City of Durham, North Carolina

Project Manual including
Bidding Documents, Contract Documents and Technical Specifications

for

Contract: SP-2017-01

November 27, 2017

Project: South Ellerbe Stormwater Project Building Demolition

Stormwater & GIS Services Division
Public Works Department
101 City Hall Plaza, Durham, North Carolina 27701

CONTRACT: SP-2017-01

November 27, 2017

Project:

South Ellerbe Stormwater Project Building Demolition

STORMWATER & GIS SERVICES DIVISION
PUBLIC WORKS DEPARTMENT
CITY OF DURHAM, NORTH CAROLINA

CITY OF DURHAM
MAYOR AND CITY COUNCIL

William V. Bell, Mayor

Cora Cole-McFadden
Jillian Johnson
Charlie Reece
Eddie Davis
Don Moffitt
Steve Schewel

CITY OF DURHAM STAFF

Thomas J. Bonfield, City Manager
Patrick W. Baker, City Attorney
D. Ann Gray, City Clerk
Marvin G. Williams, Director of Public Works
Paul Wiebke, Assistant Director of Stormwater & GIS Services
Sandra Wilbur, Stormwater & GIS Services

South Ellerbe Stormwater Project Building Demolition
Specifications Seal Sheet

NORTH CAROLINA PROFESSIONAL SEAL 024199 ENGINEER JOHN W. GALLAGHER

02 65 00	**Underground Storage Tank Removal**
02 81 00	**Structure Demolition**

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, North Carolina 27713
Telephone: 919-361-5000
NC LICENSE #C-0293

Sign

02 82 00	**Asbestos Removal**
02 83 00	**Lead in Construction Specifications**
02 84 00	**PCB Remediation**
02 90 00	**Universal Waste & Other Regulated Materials Removal**

Froehling & Robertson, Inc.
310 Hubert Street
Raleigh, North Carolina 27603
Telephone: 919-828-3441
Christopher P. Shaw
NC Asbestos Abatement
Project Designer No. 40481

31 20 00	**Earth Moving**
02 65 00	**Chain Link Fencing**

The John R. McAdams Company, Inc.
2905 Meridian Parkway
Durham, North Carolina 27713
Telephone: 919-361-5000
NC LICENSE #C-0293

NORTH CAROLINA PROFESSIONAL SEAL 42597 ENGINEER JAMES L. EASON, JR.
10/24/17

DOCUMENT 00 01 10

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DOCUMENT 00 11 16

INVITATION TO BID

Contract: SP-2017-01

Project: South Ellerbe Stormwater Project Building Demolition

Owner:

City of Durham
101 City Hall Plaza
Durham, North Carolina 27701

Issuing Office:

Attention: Sandra Wilbur, PE
City of Durham
Department of Public Works
Stormwater & GIS Services Division
101 City Hall Plaza
Durham, North Carolina 27701
(919) 560-4326
Sandra.Wilbur@durhamnc.gov

Engineer:

Attention: Mike Fowler, PE
Wildlands Engineering, Inc.
312 West Millbrook Road, Suite 225
Raleigh, North Carolina 27609

Date: November 27, 2017

The City of Durham will open sealed formal Bids submitted by Bidders at 3:00 pm Thursday, December 14, 2017 for Contract SP-2017-01, Project: South Ellerbe Stormwater Project Building Demolition in the Department of Public Works Conference Room, Third Floor, 101 City Hall Plaza, Durham, North Carolina. The Project involves the furnishing of all materials, labor, equipment, tools, etc. unless otherwise specified, for the partial demolition of the former Duke Diet Fitness Center building, located at 808 W Trinity Ave. Durham, NC 27701, including all necessary contaminant abatement, demolition, material recycling, material haul off, and fencing described herein. Removal of a potential underground storage tank could become part of the project dependent upon additive alternative acceptance/rejection.

Beginning November 27, 2017, the Project Manual including Bidding Documents, Contract Documents, and Technical Specifications, including Drawings, will be on file in the Department of Public Works, Stormwater & GIS Services Division, Third Floor, 101 City Hall Plaza, Durham, North Carolina. Copies of the Bidding Documents, Contract Documents, and Technical Specifications, including Drawings, may be viewed and downloaded, free of charge, from the City of Durham, Department of Finance, Purchasing Division web site: http://durhamnc.gov/Bids.aspx .

City of Durham Street Construction Specifications and Water and Sewer Construction Specifications may be downloaded at: https://durhamnc.gov/671/Construction-Standards .

Bidders are encouraged to attend the pre-Bid conference at 1:00 pm, Friday, December 01, 2017 in the Department of Public Works Conference Room, Third Floor, 101 City Hall Plaza, Durham, North Carolina. An on-site meeting will immediately follow the meeting at the Department of Public Works Conference Room. The on-site meeting will take place in the front parking lot of the existing building at 808 W. Trinity Ave. Access to the interior of the building will be until 4:00 PM. All risks associated with site access will be the sole responsibility of the bidder, recognizing that friable asbestos-containing materials and building debris are on floor surfaces and that other potential health hazards may be encountered. All personal protective equipment (PPE) necessary for the site environment will be required and any potential bidder not yielding the appropriate PPE will not be allowed access to the building. The onsite meeting will be weather dependent.

Each Bidder must be licensed under Chapter 87 of the North Carolina General Statutes. The City Council of the City of Durham reserves the right to reject any or all of the Bids. All Bids must include a non-collusion affidavit.

To ensure that all Bidders using the Purchasing Division's web site are kept up to date on any Addenda, changes, or information notices, please send an e-mail to Megan.Walsh@durhamnc.gov indicating your intention to prepare a Bid for the Project. Failure to complete this step may render your Bid as non-responsive.

Each Bidder is advised that the Work may be inspected and supervised by an Engineer or firm under the direction of the City of Durham. The Engineer or firm may also be involved in the identification of specific repair areas and the proposed method of repairs for the Site Work.

Contract: SP-2017-01, Project: SOUTH ELLERBE STORMWATER PROJECT BUILDING DEMOLITION

Sites: 808 W Trinity Ave
Durham, NC 27701

The City of Durham requires the Project to be completed within 120 calendar days from date of Notice to Proceed.

No Bid shall be considered or accepted unless at the time of its filing the same shall be accompanied by a deposit of cash or a certified or cashier's check drawn on a bank or trust company insured by the Federal Deposit Insurance Corporation (FDIC), in an amount equal to five percent (5%) of the amount of the Bid. The check shall be made payable to the City of Durham. Said deposit shall guarantee that the Contract will be entered into by the successful Bidder if the award is made. Such deposit of cash or certified or cashier's check may be held by the City until the successful Bidder has executed and delivered the Contract Documents, including performance and payment bond, to the City of Durham and returned or kept in accordance with North Carolina General Statute 143-129.

Refer to other Bidding requirements described in Document 00 21 15 and Document 00 31 00.

In lieu of the cash deposit or certified or cashier's check mentioned above, the Bidder may file a Bid bond in the same amount executed by a corporate surety authorized to execute such bonds in North Carolina

and conditioned as provided by North Carolina General Statute 143-129 and in the form attached to the Bidding Documents (see Appendix F) or on file with the Engineer. Bid bond forms enclosed as part of the Bidding Documents must be properly executed at the time Bids are submitted before Bid will be considered. Properly executed Power of Attorney of the corporate surety's agent shall accompany such bond and be attached to the page provided therefore in the Bidding Documents.

Bids shall be submitted under a condition of irrevocability, except as required by law, for a period of ninety (90) days after Bid opening.

The City of Durham reserves the right to accept or reject any or all Bids.

END OF DOCUMENT

DOCUMENT 00 21 15

INSTRUCTIONS TO BIDDERS - EJCDC

1.1 SUMMARY

A. Document Includes:
1. Defined terms.
2. Copies of Bidding Documents.
3. Qualifications of Bidders.
4. Examination of Bidding Documents, other related data, and Site.
5. Pre-Bid conference.
6. Site and other areas.
7. Interpretations and Addenda.
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20. Contract security and insurance.
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22. Sales and use taxes.

B. Related Documents:
1. Document 00 11 16 - Invitation to Bid.
2. Document 00 31 00 - Available Project Information.
3. Document 00 41 43 - Bid Form – Unit Price (Single-Prime Contract).
4. Document 00 72 15 - General Conditions – EJCDC Unit Price (Single-Prime Contract).
5. Bond types and values.

C. Notice of Bidding Documents and Contract Documents Provision Changes and Updates
1. The Bidder is advised that these Bidding Documents and Contract Documents include numerous changes, revisions, and updates from prior City of Durham contracts.

1.2 DEFINED TERMS

A. Refer to Article 1 of the General Conditions (Document 00 72 15).

1.3 COPIES OF BIDDING DOCUMENTS

A. The Bidding Documents are identified as "Project Manual including Bidding Documents, Contract Documents, and Technical Specifications for Contract No. SP-2017-01, Project: South Ellerbe Stormwater Project Building Demolition."

B. Bidding Documents may be viewed and downloaded from the City of Durham, Department of Public Works web site: http://durhamnc.gov/Bids.aspx.

To ensure that all Bidders using the Department of Public Works web site are kept up to date on any Addenda, changes, or information notices, please send an e-mail to Megan.Walsh@durhamnc.gov indicating your intention to prepare a Bid for the Project. Failure to complete this step may render your Bid as non-responsive.

C. Complete sets of Bidding Documents shall be used in preparing Bids; neither the City of Durham nor the Engineer assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

D. Upon receipt of Bidding Documents, Bidder shall verify that the Bidding Documents are complete. The Bidder shall notify the Engineer if they have received incomplete Bidding Documents.

E. The City of Durham and Engineer, in making copies of the Bidding Documents available on the above terms, do so only for the purpose of obtaining Bids for the Work and do not confer a license or grant for any other use.

1.4 QUALIFICATIONS OF BIDDERS

A. The Contractor must have successfully completed 3 projects in the past 6 years of similar scope and contract amount to be considered "qualified" to bid on this project.

B. Notice Under the Americans with Disabilities Act (ADA):
1. Notice Under the Americans with Disabilities Act - A person with a disability may receive an auxiliary aid or service to effectively participate in city government activities by contacting the ADA Coordinator, voice (919) 560-4197, fax (919) 560-4196, TTY (919) 560-1200, or ADA@durhamnc.gov, as soon as possible but no later than forty-eight (48) hours before the event or deadline date.

C. The Contractor shall demonstrate the ability to complete a majority of all portions of the Contract using equipment and personnel owned and employed by the Contractor. The Contractor shall include the following information in the Bid in the spaces provided:
1. The number of years the Contractor has been regularly engaged in similar Contract municipal work and a list of projects they have completed with their equipment and personnel.
2. A list of the Contractor's personnel experienced to do the Work including the Superintendent to be in charge of the Work, including the length of their experience with this type of municipal work.
3. A list of the Contractor's equipment in good condition and suitable for completion of the Contract.

D. Contract Safety Record Information

1. The Contractor shall include the information requested on the "Contract Safety Record Information" form (included in the Project Manual in Appendix K) in the Bid. Failure to provide the requested information and documentation may result in rejection of the Bid as non-responsive.

E. Miscellaneous:

1. If the Contractor fails to demonstrate the ability to complete a majority of all portions of the Contract with equipment and personnel owned and employed by the Contractor, the Bid may be considered non-responsive.
2. The Contractor shall be licensed under Chapter 87 of the North Carolina General Statutes as a General Contractor. The Privilege License of the Contractor shall be included in the Bid.
3. A Privilege License for all Subcontractors of the apparent Successful Bidder, and those Bidders requested by the City of Durham, shall be filed within five (5) days after the Bid opening.
4. City of Durham Privilege Licenses may be obtained from the Department of Finance, Treasury Management Division, located at 101 City Hall Plaza, Durham, North Carolina, (919) 560-4700.

1.5 EXAMINATION OF BIDDING DOCUMENTS, OTHER RELATED DATA, AND SITE

A. Subsurface and Physical Conditions

1. Document 00 31 00 identifies:
   a. Those reports of explorations and tests of subsurface conditions at or contiguous to the Site that the Engineer has used in preparing the Bidding Documents.
   b. Those drawings of physical conditions in or relating to existing surface and subsurface structures at or contiguous to the Site (except Underground Facilities) that the Engineer has used in preparing the Bidding Documents.

B. Copies of reports and drawings referenced in Paragraph 1.5.A.1 are provided in Appendix L, M, N, and O. Those reports and drawings are not part of the Contract Documents, but the "technical data" contained therein upon which the Bidder is entitled to rely and have been identified and established as provided in Paragraph 4.02 of the General Conditions (Document 00 72 15). Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.

C. Underground Facilities

1. Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or contiguous to the Site is based upon information and data furnished to the City of Durham and Engineer by owners of such Underground Facilities, including the City of Durham, or others.

D. Hazardous Environmental Condition

1. The General Conditions (Document 00 72 15) identify those reports and drawings related to a Hazardous Environmental Condition identified at the Site, if any, that Engineer has used in preparing the Bidding Documents.
2. Copies of reports and drawings referenced in Paragraph 1.5.D.1 are provided in Appendix N and O. Those reports and drawings are not part of the Contract Documents but the "technical data" contained therein upon which Bidder is entitled to rely and have been identified and established as provided in Paragraph 4.06 of the General Conditions (Document 00 72 15). Bidder is responsible for any interpretation or conclusion Bidder draws from any "technical data" or any other data, interpretations, opinions, or information contained in such reports or shown or indicated in such drawings.

E. Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to subsurface conditions, other physical conditions and Underground Facilities, and possible changes in the Bidding Documents due to differing or unanticipated conditions appear in Paragraph 4.04 of the General Conditions (Document 00 72 15). Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with respect to Hazardous Environmental Conditions at the Site, if any, and possible changes in the Contract Documents due to any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in the Drawings or Technical Specifications or identified in the Contract Documents to be within the scope of the Work appear in Paragraph 4.06 of the General Conditions (Document 00 72 15).

F. On request, the City of Durham will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies as Bidder deems necessary for submission of a Bid. The site will be made available to the Bidders on Tuesday, December 05, 2017 and Wednesday, December 06, 2017 by appointment only. All requests for access to the Site must be received by 5:00 pm on Monday, December 04, 2017. All Site access requests must be made to and coordinated with Megan Walsh (megan.walsh@durhamnc.gov, (919) 560-4326 x30220). Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies. Bidder shall comply with all applicable Laws and Regulations relative to excavation and utility locates. The Bidder may not access any Site without written permission from the City of Durham. The bidder shall be responsible for any damage (including damage to any underground utility and acceptable restoration) as a result of additional subsurface investigations. The Bidder will be responsible for ensuring all persons entering the building have the appropriate personal protective equipment (PPE) necessary for the site conditions. Any persons deemed by the Resident Project Representative to not have the appropriate PPE will not be allowed access into the building and will forfeit their appointment.

G. Reference is made to Paragraph 7.04 of the General Conditions (Document 00 72 15) for the identification of the general nature of other work that is to be performed at the Site by the City of Durham or others (such as utilities and other contractors) that relates to the Work contemplated by these Bidding Documents. On request, the City of Durham will provide to each Bidder for examination access to or copies of Contract Documents (other than portions thereof related to price) for such other work. Reference is also made to Document 00 31 00 of the Specifications for the identification of those surveys and investigation reports of subsurface or latent physical conditions at the site or otherwise

affecting performance of the work which have been relied upon by the Engineer in preparing the Drawings and Specifications. Subsurface data are offered in good faith solely for the purpose of placing the Bidder in receipt of all information available to the City of Durham and Engineer and in no event is to be considered part of the Contract Documents.

H. It is the responsibility of each Bidder before submitting a Bid to:

1. examine and carefully study the Bidding Documents, the other related data identified in the Bidding Documents, and any Addenda;
2. visit the Site at the specified date and time and become familiar with and satisfy Bidder as to the general, local, and site conditions that may affect cost, progress, and performance of the Work;
3. become familiar with and satisfy Bidder as to all federal, state, and local, Laws and Regulations that may affect cost, progress, and performance of the Work;
4. carefully study all:
   a. reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in Paragraph 4.02 of the General Conditions (Document 00 72 15), and
   b. reports and drawings of Hazardous Environmental Conditions at the Site which have been identified in Paragraph 4.06 of the General Conditions (Document 00 72 15);
5. obtain and carefully study (or accept consequences of not doing so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying and specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents, and safety precautions and programs incident thereto;
6. agree at the time of submitting its Bid that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents;
7. become aware of the general nature of the Work to be performed by the City of Durham and others at the Site that relates to the Work as indicated in the Bidding Documents;
8. correlate the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents;
9. promptly give Engineer written notice of all conflicts, errors, ambiguities, omissions, or discrepancies that Bidder discovered in the Bidding Documents and confirm that the written resolution thereof by Engineer is acceptable to Bidder; and

10. determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work.

I. The submission of a Bid will constitute an incontrovertible representation by the Bidder that Bidder has complied with every requirement of this Paragraph 1.5, that without exception the Bid is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and procedures of construction that may be shown or indicated or expressly required by the Bidding Documents, that Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and the written resolutions thereof by Engineer are acceptable to Bidder, and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performing and furnishing of the Work.

1.6 PRE-BID CONFERENCE

A. Bidders are encouraged to attend the pre-Bid conference at 1:00 pm, Friday, December 01, 2017 in the Department of Public Works Conference Room, Third Floor, 101 City Hall Plaza, Durham, North Carolina. Representatives of the City of Durham, Engineer, and the Department of EO/EA will be present to discuss the Project. An on-site meeting will immediately follow the meeting at the Department of Public Works Conference Room. The on-site meeting will take place in the front parking lot of the existing building at 808 W. Trinity Ave. Access to the interior of the building will be until 4:00 PM. All risks associated with site access will be the sole responsibility of the bidder recognizing that friable asbestos-containing materials and building debris are on floor surfaces and that other potential health hazards may be encountered. Bidders are encouraged to attend and participate in the conference both at the Department of Public Works and for the on-site meeting. Engineer will transmit to all prospective Bidders of record such agenda as Engineer considers necessary in response to questions arising from the conference. Oral statements may not be relied upon and shall not be binding or legally effective.

B. Bidder questions pertaining to the Work and UBE participation will be addressed at the pre-Bid conference. Bidders may also identify potential UBE Subcontractors at the pre-Bid conference.

1.7 SITE AND OTHER AREAS

A. The Site is identified in the Bidding Documents. Right-of-Entry and easements for permanent structures or permanent changes in existing facilities are to be obtained and paid for by the City of Durham unless otherwise provided in the Bidding Documents. All additional lands and access thereto required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work are to be obtained and paid for by the Contractor.

B. The Contractor may not access the site without permission from the Owner.

C. The parking lot East of the building shown in Appendix L labeled as "Access Restricted" shall not be accessed. Any traffic will access the site using the western most drive off Trinity Ave. and the parking lot on the southwest side of the building.

D. Contractor will be allowed to setup appointments with the Resident Project Representative on Tuesday, December 05, 2017 and Wednesday, December 06, 2017 by appointment only. All requests for access to the Site must be received by 5:00 pm on Monday, December 04, 2017. All Site access requests must be made to and coordinated with Megan Walsh (megan.walsh@durhamnc.gov, (919) 560-4326 x30220)

1.8 INTERPRETATIONS AND ADDENDA

A. All questions about the meaning or intent of the Bidding Documents are to be submitted to Megan Walsh (megan.walsh@durhamnc.gov) in writing. Interpretations or clarifications considered necessary by Resident Project Representative in response to such questions will be issued by Addenda mailed or delivered to all parties recorded by Resident Project Representative as having received the Bidding Documents. All Addenda will also be posted on the City of Durham, Department of Public Works web site: http://durhamnc.gov/Bids.aspx

B. Questions received less than seven (7) days prior to the date for opening of Bids may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications shall be without legal effect.

C. Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by the City of Durham or Engineer.

D. It shall be the Bidder's sole responsibility to make inquiry as to the Addenda issued. All Addenda shall be bound and securely attached to the Bidding Documents and submitted with the Bid. All such Addenda shall become a part of the Contract Documents and all Bidders shall be bound by such Addenda, whether or not received by the Bidders.

E. The City of Durham reserves the right to extend the bid time through one or multiple Addenda if deemed necessary.

1.9 BID SECURITY

A. No Bid shall be considered or accepted unless at the time of its filing the same shall be accompanied by a deposit of cash or a certified or cashier's check drawn on a bank or trust company insured by the Federal Deposit Insurance Corporation (FDIC), in an amount equal to five percent (5%) of the amount of the Bid. The check shall be made payable to the City of Durham. Said deposit shall guarantee that the Contract shall be entered into by the Successful Bidder if the award is made.

B. In lieu of the cash deposit or certified or cashier's check mentioned above, the Bidder may file a Bid bond in the same amount executed by a corporate surety authorized to execute such bonds in North Carolina and conditioned as provided by North Carolina General Statute 143-129 and in the form attached to the Bidding Documents or on file

with the Engineer. Bid bond forms must be properly executed at the time Bids are submitted before Bid will be considered. Properly executed Power of Attorney of the corporate surety's agent shall accompany such bond and be attached to the page provided therefore in the Contract Documents.

C. The Bid security of the Successful Bidder shall be retained until such Bidder has executed the Contract Documents, furnished the required contract security and met the other conditions of the Notice to Award, whereupon the Bid Security will be returned. If the Successful Bidder fails to execute and deliver the Contract Documents and furnish the required contract security within fifteen (15) days after the Notice of Award, the City of Durham may annul the Notice of Award and the Bid Security of that Bidder will be forfeited. The Bid security of other Bidders whom the City of Durham believes to have a reasonable chance of receiving the award may be retained by the City of Durham until the earlier of seven (7) days after the Effective Date of the Agreement or sixty-one (61) days after the Bid opening, whereupon Bid security furnished by such Bidders will be returned.

D. Bid security of other Bidders who the City of Durham believes do not have a reasonable chance of receiving the award will be returned within seven (7) days after the Bid opening.

E. In the event the Contract is not awarded, all Bid securities will be returned within seven (7) days after the Bid opening.

1.10 CONTRACT TIMES

A. The number of days within which, or the dates by which, the Work is to be substantially completed and ready for final payment are set forth in the Agreement.

1.11 LIQUIDATED DAMAGES

A. Provisions for liquidated damages, if any, are set forth in the Agreement.

1.12 SUBSTITUTE AND “OR-EQUAL” ITEMS

A. The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute or “or-equal” items.

B. Application for review of substitute or “or-equal” materials or equipment prior to submitting of Bids shall be in accordance of with Section 133-3 of the North Carolina General Statutes, and the following procedures. Application for review of substitute or “or-equal” materials or equipment shall be by Bidders. Applications will not be considered from suppliers, distributors or subcontractors. Bidders shall submit applications to Engineer at least twenty (20) days prior to the date for the opening of Bids. Documentation shall be in accordance with Paragraph 6.05 of the General Conditions (Document 00 72 15). Judgment concerning substitutes and “or-equal” reviews will be determined by Engineer. Material and equipment, which are accepted as a result of such review, will be identified as part of an Addendum.

C. Application for review of substitute or "or-equal" materials and equipment, which are received after twenty (20) days prior to the date for the opening of Bids, will not be considered by the Engineer until after the Effect Date of the Agreement. The procedure for submission of any application for review of substitute or "or-equal" items by Contractor and consideration by Engineer is set forth in Paragraph 6.05 of the General Conditions (Document 00 72 15) and may be supplemented in the Project Requirements.

D. Any Bid conditioned upon furnishing equipment or materials which are not responsive to the Bidding Documents will be rejected.

1.13 SUBCONTRACTORS, SUPPLIERS, AND OTHERS

A. A Privilege License for all Subcontractors must be filed within five (5) days after the Bid opening.

B. All Bidders are required to complete the UBE Participation Document form E-101 and submit the completed forms with their Bid.

C. Each Bidder must submit a "Statement of Intent to Perform as a Subcontractor" for each UBE Subcontractor within five (5) days of the Bid Opening. The "Letter of Intent to Perform as a Subcontractor" form can be found in Appendix A and must be signed by each UBE Subcontractor. UBE goal participation is calculated by multiplying the goal percentages by the Bid price. A listing of the City of Durham certified UBE firms for the Project can be found in Appendix B.

D. All questions regarding UBE documents or requirements may be directed to the City of Durham, Department of Equal Opportunity/Equity Assurance at (919) 560-4180.

E. The City of Durham reserves the right to reject a proposed Subcontractor for reasonable cause.

F. The General Conditions (Document 00 72 15), Paragraph 6.06, require the identity of certain Subcontractors, Suppliers, individuals, or entities to be submitted to the City of Durham in advance of a specified date prior to the Effective Date of the Agreement, the apparent Successful Bidder, and any other Bidder so requested, shall within five (5) days after Bid opening, submit to the City of Durham a list of all such Subcontractors, Suppliers, individuals, or entities proposed for those portions of the Work for which such identification is required. Such list shall be accompanied by an experience statement with pertinent information regarding similar projects and other evidence of qualification for each such Subcontractor, Supplier, individual, or entity if requested by the City of Durham. If the City of Durham or Engineer, after due investigation, has reasonable objection to any proposed Subcontractor, Supplier, individual, or entity, the City of Durham may, before the Notice of Award is given, request apparent Successful Bidder to submit a substitute, without an increase in the Bid.

G. If apparent Successful Bidder declines to make any such substitution, the City of Durham may award the Contract to the next lowest Bidder that proposes to use acceptable Subcontractors, Suppliers, individuals, or entities. Declining to make requested substitutions will not constitute grounds of forfeiture of the Bid security of any Bidder. Any Subcontractor, Supplier, individual, or entity so listed and against which the City of

Durham or Engineer makes no written objection prior to giving of the Notice of Award will be deemed acceptable to the City of Durham and Engineer subject to revocation of such acceptance after the Effective Date of the Agreement as provided in Paragraph 6.06 of the General Conditions (Document 00 72 15).

H. Contractor shall not be required to employ any Subcontractor, Supplier, individual, or entity against whom Contractor has reasonable objection.

1.14 PREPARATION OF BID

A. The approved Bid form is included with the Bidding Documents. Additional copies may be obtained from the Engineer. All Bids must be submitted on the approved Bid form.

B. The unit prices for specific items shall reflect all costs associated with furnishing, installing all items of Work as indicated on the Drawings and Technical Specifications, complete, in place and accepted, per the City of Durham Standards and Specifications, North Carolina Department of Transportation (NCDOT) Standards and Specifications, and the North Carolina Department of Environment and Natural Resources (NCDENR) Erosion and Sediment Control Planning and Design Manual.

C. All blanks on the Bid form shall be completed by printing in ink or by typewriter and the Bid signed in ink. Erasures or alterations shall be initialed in ink by the person signing the Bid form. A Bid price shall be indicated for each unit price item listed therein, or the words “No Bid,” “No Change,” or “Not Applicable” entered.

D. The omission of prices for any item on the Bid form, or the tendering of any unbalanced Bid may be the cause for the rejection of the submitted Bid.

E. The estimated quantities contained on the Bid form are for the purpose of comparing Bids. While the quantities are close approximations, they are not guaranteed. Payment will be made on the basis of the Work as actually executed at the prices set forth in the executed Agreement and under the provisions of such Agreement.

F. There shall be no additional compensation to the Contractor for materials, equipment, or work that is incidental to the successful completion of the Contract. Incidental costs include the costs inherent to the complete the work included on the Bid form. For example, those costs associated with water supply, waste disposal, temporary electrical services, surveying, staking, storage, traffic control measures, removal of unsuitable materials, site security, and erosion control measures are incidental and defined within the Technical Specifications and Appendices of the Bidding Documents.

G. Item values on the Bid form shall be given as figures (i.e. $23,000.00) and in writing (i.e. Twenty-three thousand and no/100’s dollars).

H. A Bid by a corporation shall be executed in the corporate name by the president or a vice-president or other corporate officer accompanied by evidence of authority to sign. The corporate seal shall be affixed and attested by the secretary or an assistant secretary. Insert the corporate officer’s capacity under each signature. The corporate address and state of incorporation shall be shown below the signatures.

I. A Bid by a limited liability company shall be executed in the name of the firm by a member in the presence of a witness with signature, and accompanied by evidence of authority to sign. The state of formation of the firm and the official address of the firm shall be shown below the signature. Affix the limited liability company seal adjacent to the signatures.

J. A Bid by an individual or sole proprietorship shall be executed with a signature of the individual/sole proprietor in the presence of a witness with signature. Insert the words "Individual/Sole Proprietor" under the signature and show the Bidder's name and official address. Affix the individual/sole proprietor seal adjacent to the signature.

K. A Bid by a partnership shall be executed in the partnership name and signed by all partners (whose title must appear under the signature) in the presence of a witness with signature, accompanied by evidence of authority to sign. The official address of the partnership shall be shown below the signatures. Affix the partnership seal adjacent to the each partner signature.

L. A Bid by a joint venture shall be executed by each party of the joint venture under their respective seals in a manner appropriate to each such party as described above for each party type. Provide a single signature sheet for each party to the joint venture.

M. All names shall be typed or printed in ink below the signatures.

N. The Bid shall contain an acknowledgment of all Addenda, the numbers of which shall be filled in on the Bid form.

O. The address and telephone number for communication regarding the Bid shall be shown.

P. The Bid shall contain evidence of the Bidder's authority and qualification to do business in the State of North Carolina or covenant to obtain such qualification prior to the award of the Contract. Bidder's State of North Carolina contractor license number, if any, shall also be shown on the Bid form.

1.15 BASIS OF BID; COMPARISON OF BIDS

A. Stipulated Sum
1. Bidders shall submit a Bid on a stipulated sum basis for each item of Work listed on the Bid Schedule.
2. The total of all estimated prices will be the sum of the Products of the estimated price for each item. The final quantities and Contract Price will be determined in accordance with Paragraph 11.03 of the General Conditions (Document 00 72 15).

B. Unit Price
1. Bidders shall submit a Bid on a unit price basis for each item of Work listed on the Bid Schedule.
2. The total of all estimated prices will be the sum of the Products of the estimated quantity of each item and the corresponding unit price. The final quantities and Contract Price will be determined in accordance with Paragraph 11.03 of the General Conditions (Document 00 72 15).

C. The Bid price shall include such amounts as the Bidder deems proper for overhead and profit on account of cash allowances, if any, named in the Contract Documents as provided in Paragraph 11.02 of the General Conditions (Document 00 72 15).

D. Bid prices will be compared after adjusting for differences in the time designated by Bidders for Substantial Completion. The adjusting amount will be determined at the rate set forth in the Contract Documents for liquidated damages for failing to achieve Substantial Completion for each day before or after the time allowed as set forth in the Agreement.

1.16 SUBMITTAL OF BID

A. Bidders shall be solely responsible for delivery of Bids in the required manner and time.

B. No Bid shall be accepted or considered unless the complete set of required and executed documents is included with the Contractor's submittal.

C. With each copy of the Bidding Documents, a Bidder is furnished one separate unbound copy of the Bid form, and, if required, the Bid bond form. The unbound copy of these forms is to be completed and submitted.

D. Each Bid shall include non-collusion affidavits for the Bidder. Affidavits for all Subcontractors of the apparent Successful Bidder, and those Bidders requested by the City of Durham, must be filed within five (5) days after the Bid opening. Blank Non-Collusion Affidavit Forms can be found in Appendix E.

E. A Bid shall be submitted no later than the date and time prescribed and at the place indicated in the Advertisement or Invitation to Bid and shall be enclosed in an opaque sealed envelope plainly marked with the following information:

1. Contract: SD-2017-01
2. Project: South Ellerbe Stormwater Project Building Demolition
3. Name of Bidder: _____
4. Address of Bidder: _____
   _____
   _____
5. Phone Number of Bidder: _____
6. Contact Person for Bidder: _____
7. Phone Number of Contact: _____
8. Bidder's North Carolina General Contractor's License Number: _____
9. The above-name Bidder has enclosed, and checked as appropriate, the following items in the Bid (check all):
   a. _____ Bid Form
   b. _____ UBE Forms (E-101)
   c. _____ Non-Collusion Affidavit of Bidder
   d. _____ Privilege License of Bidder
   e. _____ Bid Security
   f. _____ List of Contractor Equipment and Personnel
   g. _____ Contractor Safety Record Information

F. Incorrect information, incomplete information, or irregularities on the Bid envelope may be cause for a Bid to be declared invalid or informal. Invalid or informal Bids will not be opened.

G. If a Bid is sent by mail or other delivery system, the sealed envelope containing the Bid shall be enclosed in a separate mailing/delivery envelope plainly marked on the outside with the notation "BID ENCLOSED."

A mailed Bid shall be addressed to:

Attention: Sandra Wilbur, PE
City of Durham
Department of Public Works
Stormwater & GIS Services Division
101 City Hall Plaza
Durham, North Carolina 27701
(919) 560-4326

H. Bids submitted after the time listed in the Agreement and Invitation to Bid will be returned to the Bidder unopened.

I. Bids that are unsigned, improperly signed or sealed, conditional, illegible, obscure, contain arithmetical errors, erasures, alterations, or irregularities of any kind, may be declared unacceptable at the City of Durham's discretion.

J. Bid Forms, appendices, and enclosures which are improperly prepared may be declared unacceptable at the City of Durham's discretion.

K. Failure to provide security deposit, bonds, or insurance requirements will invalidate the Bid at the City of Durham's discretion.

1.17 MODIFICATION AND WITHDRAWAL OF BID

A. Amendments to properly submitted Bids will be permitted when received in writing prior to Bid opening and when endorsed by the same party or parties who signed and sealed the Bid.

B. Bidders may withdraw their Bid by written request at any time before Bid opening.

C. No Bidder may withdraw a Bid after Bid opening and prior to the conclusion to the period of time stated in the Bid form except to the extent, if any, that may be required by law.

1.18 OPENING OF BIDS

A. Bids shall be opened, unless obviously non-responsive, at the time and place indicated in the Advertisement or Invitation to Bid and read aloud publicly. An abstract of the amounts of the base Bids and major alternates, if any, will be made available to Bidders after the opening of Bids.

B. Bidders may be present at the opening of Bids.

1.19 BIDS TO REMAIN SUBJECT TO ACCEPTANCE

A. All Bids will remain subject to acceptance for the period of time stated in the Bid form, but the City of Durham may, in its sole discretion, release any Bid and return the Bid security prior to the end of this period.

1.20 EVALUATION OF BIDS AND AWARD OF CONTRACT

A. The City of Durham reserves the right to reject any or all Bids, including without limitation, nonconforming, non-responsive, unbalanced, or conditional Bids. The City of Durham further reserves the right to reject the Bid of any Bidder whom it finds, after reasonable inquiry and evaluation, to not be responsible. The City of Durham may also reject the Bid of any Bidder if the City believes that it would not be in the best interest of the Project to make an award to that Bidder. The City of Durham also reserves the right to waive all informalities not involving price, time, or changes in the Work and to negotiate terms with the Successful Bidder.

B. More than one Bid for the same Work from an individual or entity under the same or different names will not be considered. Reasonable grounds for believing any Bidder has an interest in more than one Bid for the Work may be cause for disqualification of that Bidder and the rejection of all Bids in which that Bidder has an interest.

C. In evaluating Bids, the City of Durham will consider whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices, and other data, as may be requested in the Bid form or prior to the Notice of Award.

D. In evaluating Bidders, the City of Durham will consider the qualifications of Bidders and may consider the qualifications and experience of Subcontractors, Suppliers, and other individuals or entities proposed for those portions of the Work for which the identity of Subcontractors, Supplies, and other individuals or entities must be provided as provided in the General Conditions (Document 00 72 15).

E. The City of Durham may conduct such investigations as the City deems necessary to establish the responsibility, qualifications, and financial ability of Bidders, proposed Subcontractors, Suppliers, individuals, or entities to perform the Work in accordance with the Contract Documents.

F. If the Contract is to be awarded, the City of Durham will award the Contract to the Bidder whose Bid is in the best interests of the Project.

1.21 CONTRACT SECURITY AND INSURANCE

A. Article 5 of the General Conditions (Document 00 72 15) sets forth the City of Durham's requirements as to performance and payment bonds and insurance. When the Successful Bidder delivers the executed Agreement to the City of Durham, it shall be accompanied by such bonds.

1.22 SIGNING OF AGREEMENT

A. After the City of Durham has identified the Successful Bidder, the Engineer on behalf of the City of Durham, will issue to the Successful Bidder, a written Notice to Award.

B. When the City of Durham gives a Notice of Award to the Successful Bidder, it shall be accompanied by the required number of unsigned counterparts to the Agreement with the other Contract Documents which are identified in the Agreement as attached thereto. Within fifteen (15) days thereafter, Successful Bidder shall sign and deliver the required number of counterparts of the Agreement and attached documents to the City of Durham. Within ten (10) days after execution of the Agreement by the Manager, the City of Durham will deliver one fully signed counterpart to Successful Bidder with a complete set of the Drawings with appropriate identification.

1.23 SALES AND USE TAXES

The North Carolina General Assembly adopted legislation which required that contractors pay North Carolina Sale and Use Tax on materials, supplies, fixtures, and equipment used by the contractor in the performance of contracts with cities, counties, and towns on contracts dated July 1, 1961 or later.

The North Carolina General Assembly also authorized a refund to cities, counties, and towns of sales and use taxes paid on direct purchases of tangible personal property and construed purchases in the performance of contracts to be direct purchases.

A. The Bidder shall not include North Carolina Sales and Use Tax in unit price Bid. The Contractor will be reimbursed for all North Carolina Sales and Use Tax paid during any preceding month, at the time the monthly estimate is paid, provided the required submittals are made to the City of Durham. Refer to Paragraph 6.10 of the General Conditions (Document 00 72 15) for additional information.

END OF DOCUMENT

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DOCUMENT 00 31 00

AVAILABLE PROJECT INFORMATION

1.1 SUMMARY

A. Document Includes:
1. Project information and location.
2. List of drawings.
3. Topographic survey.
4. Existing conditions survey.
5. City of Durham standards.
6. North Carolina Department of Transportation (NCDOT) standards.
7. North Carolina Department of Environmental Quality (NCDEQ) standards.
8. Durham County Stormwater and Erosion Control Division standards.

B. Related Documents:
1. 00 21 15 - Instructions to Bidders - EJCDC: Examination of Bidding Documents, other related data, and Site.

1.2 PROJECT INFORMATION AND LOCATION

A. The Work contemplated under the provisions of this Contract includes, but may not be limited to, the demolition of the existing building at 808 W. Trinity Ave. Durham, North Carolina, 27701 and incidentals required.

1.3 LIST OF DRAWINGS

See Appendix L for the following reference Drawings:

No.	Drawing Title	Issue Date
1A	Site Demolition Plan	October 20, 2017
1B	Erosion Control Details	October 20, 2017
1C	Fencing Details	October 20, 2017

1.4 TOPOGRAPHIC SURVEY

A. A copy of a topographic survey is included with this Document as Appendix M, titled “Topographic Survey”, stamped Preliminary, and prepared by MA Engineering Consultants, Inc.

B. This survey identifies existing site features, grades, infrastructure, etc. located on the site.

1.5 EXISTING CONDITIONS SURVEYS

A. A copy of existing conditions surveys performed for hazardous materials is included in Appendix N and O.

B. These surveys identify conditions of existing construction prepared primarily for use of Engineer in establishing extent of work and identifying hazardous materials found on site for Contractor reference. These surveys are not meant to serve as all-inclusive documentation of all potential hazardous materials found in and around the existing building.

1.6 CITY OF DURHAM STANDARDS

A. All Work shall conform to City of Durham Standards. City of Durham Street Construction Specifications and Water and Sewer Construction Specifications (https://durhamnc.gov/671/Construction-Standards).

B. The City of Durham Street Construction Specifications are amended as indicated below.

1. Revise Paragraph 9, Sampling and Testing of Materials and Construction on page 7 as follows:

   a. The Contractor is to comply with material submittal and approval requirements as outlined elsewhere in these specifications. The Contractor is responsible for performing the required control testing for this Project to demonstrate compliance with contract requirements as outlined in these specifications or with specifications incorporated into this Contract by reference. The City may perform, or cause to be performed by independent laboratory services, quality assurance testing of the testing that will be performed by the Contractor.

2. Replace in its entirety Paragraph 14B concerning Accident Prevention on page 9 with the following:

   a. The Contractor shall be solely responsible for all safety precautions required to complete the work. The Contractor shall exercise proper precaution at all times for the protection of persons and property and shall be responsible for all damages to persons or property, either on or off the Site, which occur as a result of his prosecution of the Work. The safety provisions of applicable laws and building and construction codes shall be observed. Machinery, equipment and all hazards shall be guarded in accordance with the safety provisions of the "Manual of Accident Prevention in Construction" published by the Associated General Contractors of America, Inc., to the extent that such provisions are not in conflict with applicable local laws. The Contractor shall remain responsible for the safety and protection of the Work until the Work is completed and accepted by the City.

3. Replace in its entirety the Section 1 concerning Mobilization and Payment on page 23 with the following:

   a. <u>MOBILIZATION, PROGRESS SCHEDULE AND DE-MOBILIZATION:</u>

      1) The total cost Bid for mobilization, schedule and de-mobilization is not to exceed ten percent (10%) of the total Contract Bid. All costs for mobilization and de-mobilization shall be included in

the Contract unit price. There shall be no additional compensation for mobilization and no adjustments to the unit prices based on changes in the scope of work, including, but not limited to, any additions to the Work on the Contract. The Contractor will be paid in increments based on the status of the actual mobilization effort. An amount equal to fifteen percent (15%) of the total mobilization cost shall be withheld until the physical completion of the Project and completion of punch-list items and removal of all equipment and temporary construction for project de-mobilization is complete. An amount equal to twenty percent (20%) of the total mobilization cost shall be withheld for payment of the progress schedule development and monthly updates as outlined in this Contract. The breakdown of this bid item is as follows:

a) Mobilization installments: a total of sixty-five percent (65%)
b) Schedule submission and updates: a total of twenty percent (20%)
c) De-mobilization and completion of punch list: a total of fifteen percent (15%)

2) Any amount that the Contractor has bid in excess of the amounts noted above shall be retained by the City and paid on the final payment estimate.

4. All provisions which are not amended remain in effect.

C. The City of Durham Water and Sewer Construction Specifications are amended as indicated below.

1. Replace in its entirety Paragraph 17 concerning Public Convenience and Safety, subparagraph A, entitled "Contractor’s Responsibility" on page 2-10 with the following:

a. The Contractor will handle the construction Work in such a manner as to maintain traffic on the main roads along the construction area and will provide and maintain such warning signs and barricades as may be necessary to protect the Work and the public in their use of the highway itself, and in no case will the City of Durham be responsible for any failure of the Contractor to provide such warnings and precautions. The Contractor shall protect, indemnify, and save harmless the City of Durham from any and all claims, expenses, or damages which might be incurred as a result of accidents. All signs and barricades shall meet the minimum requirements of and conform to the standard outline in the manual entitled "Manual on Uniform Traffic Control Devices for Streets and Highways" (current edition), published by the United States Department of Transportation, Federal Highway Administration, current version. The Contractor shall coordinate traffic control with the North Carolina Department of Transportation and Highway Safety.

2. Replace in its entirety Paragraph 18 concerning Accident Prevention, subparagraph A, on page 2-11 with the following:

a. The Contractor shall be solely responsible for all safety precautions required to complete the Work. The Contractor shall exercise proper precaution at all times for the protection of persons and property and

shall be responsible for all damages to persons or property, either on or off the Site, which occur as a result of his prosecution of the Work. The safety provisions of applicable laws and building and construction codes shall be observed. Machinery, equipment and all hazards shall be guarded in accordance with the safety provisions of the "Manual of Accident Prevention in Construction" published by the Associated General Contractors of America, Inc., to the extent that such provisions are not in conflict with applicable local laws. The Contractor shall remain responsible for the safety and protection of the work until the work is completed and accepted by the City.

3. Replace in its entirety Paragraph 31 concerning Sheeting and Bracing on page 2-24 with the following:
   a. All sheeting and bracing shall be done in accordance with the latest applicable "OSHA" Specifications. These minimum standards shall be closely followed. (Federal Register, OSHA Subpart P, 1926.650, 1926.651, 1926.652, 1926.653.) The Contractor or others shall furnish, install and maintain such sheeting, bracing, etc., as may be required to support the sides and/or roof of any excavation to prevent any movement which might injure persons, damage property, or structures, and injure or delay the work.
4. All provisions which are not amended remain in effect.

1.7 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION (NCDOT) STANDARDS

A. All Work shall conform to the NCDOT Standard Specifications (current version) and applicable revisions, as referenced in the Technical Specifications. The NCDOT Standard Specifications may be downloaded at: https://connect.ncdot.gov/resources/Specifications/Pages/default.aspx Hard copies of these documents may be obtained from the NCDOT and are not provided by the City of Durham.

B. All Work shall conform to the NCDOT Standard Drawings (current version) and applicable revisions, as referenced in the Technical Specifications. The NCDOT Standard Drawings may be downloaded at: https://connect.ncdot.gov/resources/Specifications/Pages/2012-Roadway-Drawings.aspx. Hard copies of these documents may be obtained from the NCDOT and are not provided by the City of Durham.

1.8 NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY (NCDEQ) STANDARDS

A. All work shall conform to the NCDEQ Erosion and Sediment Control Planning and Design Manual (current version), as referenced in the Technical Specifications. The NCDEQ manual may be downloaded at: http://deq.nc.gov/about/divisions/energy-mineral-land-resources/energy-mineral-land-permit-guidance/erosion-sediment-control-planning-design-manual. Hard copies of this document may be obtained from the NCDEQ and are not provided by the City of Durham.

1.9 DURHAM COUNTY STORMWATER AND EROSION CONTROL DIVISION STANDARDS

A. All work shall conform to the Durham County Stormwater and Erosion Control Division Standard Details for Sedimentation and Erosion Control. An electronic version of these details can be downloaded at: http://www.dconc.gov/government/departments-a-e/engineering-and-environmental-services/stormwater-and-erosion-control-division/standard-details-for-sedimentation-and-erosion-control. Hard copies of this document may be obtained from Durham County and are not provided by the City of Durham.

END OF DOCUMENT

DOCUMENT 00 41 43

BID FORM – UNIT PRICE (SINGLE-PRIME CONTRACT)

To: The City of Durham, North Carolina
c/o The City Manager
101 City Hall Plaza
Durham, North Carolina 27701

Date:_____

Contract: SP-2017-01

Project: South Ellerbe Stormwater Project Building Demolition

Sites: 808 W Trinity Ave. Durham, North Carolina 27701

Name of Bidder:_____
Address of Bidder: _____
_____
_____

Phone Number of Bidder:_____

Contact Person for Bidder:_____

Phone Number of Contact:_____

Bidder's North Carolina General Contractor's License Number:_____

1. OFFER

The undersigned Bidder hereby declares that the names of all persons interested in this Bid as principals appear in the blank spaces hereinafter provided for such purpose, that this Bid is in all respects fair and without collusion, that the Bidder has examined the locations of the proposed Work, the Advertisement, the Instructions to Bidders, the Technical Specifications, UBE requirements of the Department of EO/EA of the City of Durham, the Contract Documents and bond forms, and the Drawings therein referred to and fully understands the same and agrees and accepts the terms and conditions thereof, that it is understood that the estimated quantities are approximate only and are given for the purpose of comparing Bids upon a uniform basis, and that said estimate shall in no way affect the unit prices for the Work.

The undersigned Bidder hereby agrees to furnish at the Bidder's cost the expense of all the necessary labor, tools, apparatus, machinery, equipment, transportation, and all other things which may be required to fully and properly perform all the terms, covenants, provisions, and agreements of the annexed Contract.

The undersigned hereby agrees to do said Work and furnish said materials as prescribed in the Contract Documents and Technical Specifications, and, according to the Drawings and requirements of the Engineer under said Contract Documents and Technical Specifications, in a first-class manner and to the best of the undersigned's ability at the following unit prices.

Having examined the Site of the Work and all matters referred to in the Instructions to Bidders and the Contract Documents prepared by the Engineer for the Project, we, the undersigned, hereby offer to enter into a Contract to perform the Work for the unit prices listed in this Bid form in lawful money of the United States of America.

We have included the Bid security as required by the Instruction to Bidders.

All applicable federal taxes are included and State of North Carolina taxes are excluded from the unit prices.

All Cash and Contingency Allowances described in Section 01 20 00 - Price and Payment Procedures are included in the Bid Prices.

2. ACCEPTANCE

This offer shall be open to acceptance and is irrevocable, except as required by law, for ninety (90) days from the Bid opening date.

If this Bid is accepted by the City of Durham within the time period stated above, we will:

-Execute the Agreement within fifteen (15) days of receipt of Notice of Award.

-Furnish the required bonds within fifteen (15) days of receipt of Notice of Award.

-Commence Work within ten (10) days after written Notice to Proceed.

If this Bid is accepted within the time stated, and we fail to commence the Work or we fail to provide the required bonds, the Bid security shall be forfeited as damages to the City of Durham by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this Bid and the Bid upon which a Contract is signed.

In the event our Bid is not accepted within the time stated above, the required security deposit will be returned to the undersigned, in accordance with the provisions of the Instructions to Bidders; unless a mutually satisfactory arrangement is made for its retention and validity for an extended period of time.

3. CONTRACT TIME

If this Bid is accepted, we will:

-Complete the Work within 90 calendar days from Notice to Proceed.

4. UNIT PRICES

Contract: SP-2017-01

Project: South Ellerbe Stormwater Project Building Demolition

The following are unit prices for specific portions of the Work as listed. The Undersigned proposes to furnishing, install, and/or demolish all items of Work as indicated on the Drawings and Technical Specifications, complete, in place and accepted, per the City of Durham Standards and Specifications, North Carolina Department of Transportation (NCDOT) Standards and Specifications, the North Carolina Department of Environmental Quality (NCDEQ) Erosion and Sediment Control Planning and Design Manual, and Durham County Stormwater and Erosion Control Standards as indicated by the unit prices below.

Additive Alternatives: Underground storage tank (UST) exploration and potential removal of a 2,000 gallon UST, based on the following unit prices. Please note that items 11b-11d are not part of the total for the Additive Alternatives and are not to be used as part of bid evaluation. Should an UST be found, need to be removed, and be larger than the 2,000 gallon tank shown in the Additive Alternate section of the bid form, the unit price given in lines 11b through 11d will be added to line item 11a.

Item No.	Specification Reference	Item Description	Quantity	Unit	Unit Price	Item Value
Base Bid						
1		Mobilization, ten percent (10%) maximum	1	LS		
2	02 81 00	Structure Demolition	1	LS		
3	02 82 00	Asbestos Removal	1	LS		
4	02 83 00	Lead in Construction	1	LS		
5	02 84 00	PCB Remediation	1	LS		
6	02 90 00	Universal Waste & Other Regulated Materials Removal	1	LS		
7	32 31 13	Chain Link Fencing	1,890	LF		
8	Appendix L	Erosion Control Measures and Maintenance	1	LS		
		Total for Base Bid				
Additive Alternatives: Underground Storage Tank Exploration and Removal						
9	02 65 00	Mobilization, ten percent (10%) maximum	1	LS		
10	02 65 00	UST Exploration	1	LS		
11a	02 65 00	UST Removal 2,000 gallons or less	1	LS		
11b	02 65 00	UST Removal 2,001 to 5,000 gal. (in addition to item 11a)	1	LS		
11c	02 65 00	UST Removal 5,001 to 7,000 gal. (in addition to item 11a)	1	LS		
11d	02 65 00	UST Removal 7,001 to 10,000 gal (in addition to item 11a)	1	LS		
12	02 65 00	Non-hazardous petroleum fuel transport/disposal	500	Gal		
13	02 65 00	Non-hazardous petroleum fuel sludge transport/disposal	25	Gal		
14	02 65 00	Excavation/disposal of petroleum impacted soil	180	Ton		
15	31 20 00	Select Backfill and site restoration	100	CY		
		Total for Alternative				

We agree to diligently perform the Work in accordance with all Contract Documents, to complete such Work within the period as outlined in the Contract, and to begin Work within ten (10) days after receipt of the Notice to Proceed from the Engineer.

5. ADDENDA

The following Addenda have been received. The modifications to the Bidding Documents noted below have been considered and all costs are included in the Bid.

Addendum No.: ....., Dated: ..... Addendum No.: ....., Dated: .....

Addendum No.: ....., Dated: ..... Addendum No.: ....., Dated: .....

Addendum No.: ....., Dated: ..... Addendum No.: ....., Dated: .....

6. APPENDICES

The following Documents will be submitted to the Issuing Office within five (5) days after the Bid opening:

1. UBE Form E-105 (see Appendix A for blank form and instructions)
2. Non-Collusion Affidavits of all Subcontractors (see Appendix E for blank affidavits)
3. Privilege Licenses of all Subcontractors (contact the City of Durham, Department of Finance, Treasury Management Division, (919) 560-4700 for information on securing privilege licenses)

The following information is included with Bid submission:

1. Bid Form
2. UBE Forms E-101(see Appendix A for blank form and instructions)
3. Non-Collusion Affidavit of Bidder (see Appendix E for blank affidavits)
4. Privilege License of Bidder (contact the City of Durham, Department of Finance, Treasury Management Division, (919) 560-4700 for information on securing privilege licenses)
5. Bid Security (see Appendix F for blank Bid bond forms)
6. List of Contractor Equipment and Personnel
7. Contractor Safety Record Information

7. CONTRACTOR EXPERIENCE

The undersigned Contractor has regularly engaged in contract work of this class for …….. years, and has executed the following work as principal(s):

_____

_____

_____

_____

_____

_____

List of Contractor's personnel experienced to do this Work including and designating the Superintendent to be in charge of this Work showing the length of their varied experience with this particular Work. The list shall not include Subcontractor personnel.

Name	Experience	Name	Experience
……	……	……	……

…… …… …… ……

…… …… …… ……

…… …… …… ……

…… …… …… ……

…… …… …… ……

List of Contractor's equipment in good condition and suitable for completion of this Contract. Contractor must be able to demonstrate ownership of all equipment necessary to complete all portions of the Contract. The list shall not include Subcontractor equipment.

……. …….

……. …….

……. …….

……. …….

……. …….

……. …….

Please attach additional sheets as necessary to complete the items above.

8. BID FORM SIGNATURES

Refer to Document 00 21 15 for specific Bid form signature requirements for corporations, partnerships, limited liability companies, individuals, or sole proprietorships.

CORPORATION

The Corporate Seal of

.....
(Bidder - print the full corporate name of firm)

.....
(President/Vice President/Authorized Corporate Officer)

(Seal)

was hereunto affixed in the presence of:

.....
(Secretary/Assistant Secretary)

(Seal)

Corporate Address:

.....

.....

.....

.....
(State of Incorporation)

LIMITED LIABILITY COMPANY

.....
(Bidder - print the full name of firm)

.....
(Authorized Firm Member)

(Seal)

was hereunto affixed in the presence of:

.....
(Witness)

(Seal)

Firm Address:

.....

.....

.....

.....
(State of Formation)

INDIVIDUAL OR SOLE PROPRIETORSHIP

.....
(Bidder - print the full name of individual or sole proprietorship)

(Seal)

Individual or Sole Proprietorship Address:

.....

.....

.....

PARTNERSHIP

.....
(Bidder - print the full corporate name of partnership)

.....	.....
(Partner and Title)	(Partner and Title)
(Seal)	(Seal)
.....	.....
(Partner and Title)	(Partner and Title)
(Seal)	(Seal)
.....	.....
(Partner and Title)	(Partner and Title)
(Seal)	(Seal)
.....	.....
(Partner and Title)	(Partner and Title)
(Seal)	(Seal)
.....	.....
(Partner and Title)	(Partner and Title)
(Seal)	(Seal)

(All Partners shall sign, additional signatures with titles and seals may be added below.)

was hereunto affixed in the presence of:

.....
(Witness)

(Seal)

Partnership Address:

.....

.....

.....

JOINT VENTURE

If the Bid is a joint venture, add additional forms of execution for each member of the joint venture in the appropriate manner using the forms from above.

END OF DOCUMENT

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DOCUMENT 00 52 15

AGREEMENT FORM - EJCDC UNIT PRICE (SINGLE-PRIME CONTRACT)

THIS AGREEMENT is by and between the City of Durham (Owner), a North Carolina municipal corporation, and [to be completed at execution] (Contractor).

The City of Durham and Contractor, in consideration of the mutual covenants set forth herein, agree as follows:

1.1 WORK

A. Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows:

The Work includes, but may not be limited to, the furnishing of all materials, labor, equipment, tools, etc. unless otherwise specified, for the partial demolition of the former Duke Diet Fitness Center building, located at 808 W Trinity Ave. Durham, NC 27701, including all necessary contaminant abatement, demolition, material recycling, material haul off, and fencing described herein. Removal of a potential underground storage tank could become part of the project dependent upon additive alternative acceptance/rejection.

1.2 THE PROJECT

A. The Project for which the Work under the Contract Documents may be the whole or only a part is generally described as follows:

Contract: SP-2017-01, Project: South Ellerbe Stormwater Project Building Demolition

B. Listed below is the site that the Contractor will be instructed to complete under this Contract.
1. 808 W. Trinity Ave. Durham, North Carolina 27701

1.3 ENGINEER

A. The Project has been designed by Wildlands Engineering, Inc. (Engineer), who is to act as the City of Durham's representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

1.4 CONTRACT TIMES

A. Time of the Essence

1. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

B. Days to Achieve Substantial Completion and Final Payment

1. The Work shall be substantially completed within 75 days after the date when the Contract Times commence to run (Notice to Proceed) as provided in Paragraph 2.03 of the General Conditions, and completed and ready for final payment in accordance with Paragraph 14.07 of the General Conditions within 90 days after the date when the Contract Times commence to run (Notice to Proceed).

C. Liquidated Damages

1. Contractor and the City of Durham recognize that time is of the essence of this Agreement and that the City of Durham will suffer financial loss if the Work is not completed within the times specified in Paragraph 1.4.B.1 above, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by the City of Durham if the Work is not completed on time. Accordingly, instead of requiring any such proof, the City of Durham and the Contractor agree that as liquidated damages for the delay (but not as a penalty), Contractor shall pay the City of Durham four hundred dollars ($400.00) for each day that expires after the time specified in Paragraph 1.4.B.1 for Substantial Completion until the Work is substantially complete. After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Time or any proper extension thereof granted by the City of Durham, Contractor shall pay the City of Durham four hundred dollars ($400.00) for each day that expires after the time specified in Paragraph 1.4.B.1 for completion and readiness for final payment until the Work is completed and ready for final payment.
2. Failure of the Contractor to commence construction within ten (10) days of the Notice to Proceed shall begin a daily penalty to the Contractor at a rate of fifty percent (50%) of the daily liquidated damages specified in Paragraph 1.4.C.1.

D. Weather Related Delays

1. The Contractor may request for an extension of Contract Times for delays related to adverse weather as described in the General Conditions, Paragraph 12.02A.

1.5 CONTRACT PRICE

A. The City of Durham shall pay Contractor for completion of the Work in accordance with the Contract Documents an amount in current funds equal to the sum of the amount determined pursuant to Paragraphs 1.5.A.1 and 1.5.A.2 below:

1. All specific cash allowances are included in the above price and have been computed in accordance with Paragraph 11.02 of the General Conditions.

Item No.	Specification Reference	Item Description	Quantity	Unit	Unit Price	Item Value
Base Bid						
1		Mobilization, ten percent (10%) maximum	1	LS		
2	02 81 00	Structure Demolition	1	LS		
3	02 82 00	Asbestos Removal	1	LS		
4	02 83 00	Lead in Construction	1	LS		
5	02 84 00	PCB Remediation	1	LS		
6	02 90 00	Universal Waste & Other Regulated Materials Removal	1	LS		
7	32 31 13	Chain Link Fencing	1,890	LF		
8	Appendix L	Erosion Control Measures and Maintenance	1	LS		
		Total for Base Bid				
Additive Alternatives: Underground Storage Tank Exploration and Removal						
9	02 65 00	Mobilization, ten percent (10%) maximum	1	LS		
10	02 65 00	UST Exploration	1	LS		
11a	02 65 00	UST Removal 2,000 gallons or less	1	LS		
11b	02 65 00	UST Removal 2,001 to 5,000 gal. (in addition to item 11a)	1	LS		
11c	02 65 00	UST Removal 5,001 to 7,000 gal. (in addition to item 11a)	1	LS		
11d	02 65 00	UST Removal 7,001 to 10,000 gal (in addition to item 11a)	1	LS		
12	02 65 00	Non-hazardous petroleum fuel transport/disposal	500	Gal		
13	02 65 00	Non-hazardous petroleum fuel sludge transport/disposal	25	Gal		
14	02 65 00	Excavation/disposal of petroleum impacted soil	180	Ton		
15	31 20 00	Select Backfill and site restoration	100	CY		
		Total for Alternative				

2. For all Unit Price Work, an amount equal to the sum of the established unit price for each separately identified item of Unit Price Work times the estimated quantity of that item as indicated in this Paragraph 1.5.A.2:

As provided in Paragraph 11.03 of the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by the Engineer as provided in Paragraph 9.07 of the General Conditions. Unit prices have been computed as provided in Paragraph 11.03 of the General Conditions.

UNIT PRICE WORK

1.6 PAYMENT PROCEDURES

A. Submittal and Processing of Payments

1. Contractor shall submit Applications for Payment in accordance with Article 14 of the General Conditions. Applications for Payment will be processed by Engineer as provided in the General Conditions.

B. Progress Payments; Retainage

1. The City of Durham shall make progress payments on account of the Contract Price on the basis of Contractor's Applications for Payment on or about the first day of each month during performance of the Work as provided in Paragraphs 1.6.B.1.a through 1.6.B.1.e below. All such payments will be measured by the schedule of values established as provided in Paragraph 2.07.A of the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no schedule of values, as provided in the General Requirements:

a. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amount as Engineer may determine or the City of Durham may withhold, including but not limited to liquidated damages, in accordance with Paragraph 14.02 of the General Conditions.

b. The City of Durham will retain five (5) percent of the amount of each estimate until Work covered by the Contract is fifty percent (50%) complete. If after the Project is deemed fifty percent (50%) complete based upon the Contractor's gross Project invoices, excluding the value of materials stored on and off-site, and the Contractor provides the City and the Engineer the following:

1) Written verification evidencing fifty percent (50%) completion of the Project; and,

2) Written consent of the surety named in the Project performance and payment bonds agreeing that the City shall not retain any further retainage from periodic payments due to the Contractor;

the City shall cease holding retainage from future periodic payments if the City finds that the Contractor is performing satisfactorily, and any nonconforming Work identified in writing by the Engineer or City (prior to the point of fifty percent (50%) Project completion) has been corrected by the Contractor and accepted by the Engineer or City, whoever provided such prior notice of nonconforming Work. If, however, the City determines the Contractor's performance is unsatisfactory, the City may reinstate the specified retainage for each subsequent periodic payment. Notwithstanding anything to the contrary, City may assess retainage after fifty percent (50%) project completion, even if the Contractor has complied with Paragraphs 1.6.B.1.b.1 and 1.6.B.1.b.2 (above) and continues to perform satisfactorily as necessary to retain two

and one-half percent (2.5%) total retainage through the completion of the Project.

c. Notwithstanding any of the retainage provisions described herein, there shall be no retainage on periodic or final payments for Contracts having a total project cost less than $100,000.00, and, in addition to the retainage amounts allowed to be held by the City of Durham, the City shall also retain all rights allowed under this Agreement to withhold payment to the Contractor in accordance with Article 14 of the General Conditions and for unsatisfactory job progress, defective or nonconforming construction not remedied, disputed Work, or third-party claims filed against the City of Durham or reasonable evidence that a third-party claim will be filed.

d. Within sixty (60) days of receipt by City of (1) an Application for Payment and (2) written consent of the surety, and after City has either (1) received a certificate of Substantial Completion or (2) received beneficial occupancy or use of the Project (if applicable), the City of Durham shall pay an amount sufficient to increase total payment to Contractor to the Contract Price, less such amounts as Engineer shall determine in accordance with Paragraph 14.02.B.5 of the General Conditions, including up to two hundred fifty percent (250%) of Engineer's estimate of the value of Work to be completed or corrected as shown on the tentative list of items to be completed or corrected attached to the certificate of Substantial Completion.

C. Final Payment

1. Prior to issuing final payment, the Contractor will furnish to the City of Durham certification that: All Subcontractors and vendors associated with this Contract have been paid; no liens and/or lawsuits have been placed against the Contractor for this Work; and the total dollar amount has been paid to all Subcontractors, Suppliers, and others associated with this project.
2. Upon final completion and acceptance of the Work in accordance with Paragraph 14.07 of the General Conditions, the City of Durham shall pay the remainder of the Contract price as recommended by Engineer as provided in said Paragraph 14.07.

1.7 NOT USED

1.8 CONTRACTOR'S REPRESENTATIONS

A. In order to induce the City of Durham to enter into this Agreement Contractor makes the following representations:

1. Contractor has examined and carefully studied the Contract Documents and the other related data identified in the Bidding Documents.
2. Contractor has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

3. Contractor is familiar with and is satisfied as to all federal, state, and local Laws and regulations that may affect cost, progress, and performance of the Work.
4. Contractor has carefully studied all:
   a. Not Used
   b. Reports and drawings of a Hazardous Environmental Condition, if any, at the Site which has been identified in Paragraph 4.06 of the General Conditions.
5. Contractor has obtained and carefully studied (or assumes responsibility for doing so) all additional and supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by the Contractor, including any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents, and safety precautions and programs incident thereto.
6. Contractor does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract Documents.
7. Contractor is aware of the general nature of work to be performed by the City of Durham and others at the Site that relates to the Work as indicated in the Contract Documents.
8. Contractor has correlated the information known to the Contractor, information and observations obtained from visits to the Site, reports and drawings identified in the Contract Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.
9. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

1.9 CONTRACT DOCUMENTS

A. Contents [*to be completed at execution*]
   1. The Contract Documents consist of the following:
      a. This Agreement (pages 1 to [_____], inclusive).
      b. Performance and Payment bonds (pages [_____] to [_____], inclusive).
      c. Other bonds (pages [_____] to [_____], inclusive).
         1) [_____] (pages [_____] to [_____], inclusive).
         2) [_____] (pages [_____] to [_____], inclusive).
         3) [_____] (pages [_____] to [_____], inclusive).
      d. General Conditions (pages [_____] to [_____], inclusive).
      e. Technical Specifications as listed in the table of contents of the Project Manual.

f. Drawings consisting of [_____] sheets with each sheet bearing the following general title: [_____] and as listed on the attached sheet index.

g. Addenda (numbers [_____] to [_____], inclusive).

h. Exhibits to this Agreement (enumerated as follows):

1) Contractor's Bid (pages [_____] to[_____], inclusive)

2) Contract Certificates of Liability/Insurance (pages [_____] to [_____], inclusive).

3) City of Durham, Certificate of Finance Officer (pages [_____] to [_____], inclusive).

4) Non-Collusion Statement by Contractor (pages [_____] to [_____], inclusive).

5) Documentation submitted by Contractor prior to Notice of Award (pages [_____] to [_____], inclusive).

6) [_____] (pages [_____] to [_____] inclusive).

i. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:

1) Notice to Proceed (pages [_____] to [_____], inclusive).

2) Work Change Directives.

3) Change Order(s).

B. The documents listed in Paragraph 1.9.A.1 are attached to this Agreement (except as expressly noted otherwise above).

C. There are no Contract Documents other than those listed above in this Paragraph 1.9.A.1.

D. The Contract Documents may only be amended, modified, or supplemented as provided in Paragraph 3.04 of the General Conditions.

E. Coordination of General Conditions, Supplementary Conditions, Agreement, and Technical Specifications

1. All components of the Contract Documents are essential elements of the Contract between the Owner and Contractor, and notwithstanding the requirements of Paragraph 3.03 of the General Conditions, in case of a conflict or contradiction among the General Conditions (including Supplementary Conditions), Agreement, and Technical Specifications, the following shall be the order of controlling authority as among these documents: The Technical Specifications shall control over the Agreement and the Agreement shall control over the General Conditions (including Supplementary Conditions).

1.10 MISCELLANEOUS

A. Terms

1. Terms used in this Agreement will have the meanings stated in the General Conditions.

B. Assignment of Contract

1. No assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

C. Successors and Assigns

1. The City of Durham and Contractor each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

D. Severability

1. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon the City of Durham and Contractor, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

E. Notices and Communications

1. All notices and other communications required or permitted by Contract shall be in writing and shall be given by personal delivery, fax, or certified United States mail (return receipt requested) addressed/faxed as follows:

   To the City of Durham (Owner):
   Attention: Sandra Wilbur, PE
   City of Durham
   Department of Public Works
   Stormwater & GIS Services Division
   101 City Hall Plaza
   Durham, North Carolina 27701

   To the Contractor: [*to be completed at execution*]
   [Attention: [_____]]
   [Firm Name]
   [Street Address]
   [City, State Zip Code]
   [Fax Number]

2. A change of address, fax number, or person to receive notices or communications may be made by either party by notice given to the other party. Any notices or communications under Contract shall be deemed given at the time of actual delivery, if it is personally delivered or faxed. If the notices or communications

are sent by United States mail, it shall be deemed given upon the third calendar day following the day on which the notices or communications were postmarked, or upon actual delivery, whichever first occurs.

F. Not Used

G. Technical Data and Other Work
1. Subsurface and Physical Conditions
   a. No reports of explorations or tests of subsurface conditions at or contiguous to the Site are known to the City of Durham or Engineer.
2. Hazardous Environmental Condition
   a. See Appendix M and N for reports or drawings related to Hazardous Environmental Conditions that are known to the City of Durham or Engineer.
3. Other Work
   a. The City of Durham and Engineer are under Contract to perform work onsite that will require site access; however, the City of Durham or Engineer are unaware of additional construction activities on the Site at the time of Notice to Proceed.

H. Contractor's Liability Insurance
1. Worker's Compensation Insurance: Contractor agrees to maintain Worker's Compensation Insurance in accordance with North Carolina General Statute Chapter 97 and with Employer Liability limits of no less than $1,000,000 each accident, each employee and policy limit. This policy must include a Waiver of Subrogation.
2. Automobile liability insurance: Limits of no less than $1,000,000 Combined Single Limit. Coverage shall include liability for Owned, Non-Owned and Hired automobiles. In the event Contractor does not own automobiles, Contractor agrees to maintain coverage for Hired and Non-Owned Auto Liability, which may be satisfied by way of endorsement to the Commercial General Liability policy or separate Auto Liability policy. Automobile coverage is only necessary if vehicles are used in the provision of services under this Contract and/or are brought on a City of Durham site.
3. The policies of insurance required by Paragraph 5.04 of the General Conditions shall have a combined single limit not less than $1,000,000 per occurrence; aggregate limit not less than $2,000,000 per year.
4. Professional liability insurance coverage self-insured retentions/deductibles in excess of $10,000 must be approved by the City Finance Director.
   a. Professional liability insurance coverage shall have a combined single limit not less than $2,000,000 per claim applicable to this Contract.
5. Umbrella or Excess Liability: Contractor may satisfy the minimum liability limits required above under an Umbrella or Excess Liability policy. There is no minimum Per Occurrence limit of liability under the Umbrella or Excess Liability, however, the Annual Aggregate limits shall not be less than the highest 'Each Occurrence' limit for required policies. Contractor agrees to endorse City of Durham as an 'Additional Insured' on the Umbrella or Excess Liability, unless

the Certificate of Insurance states the Umbrella or Excess Liability provides coverage on a 'Follow-Form' basis.

6. Additional Insured: Contractor agrees to endorse the City as an Additional Insured on the Commercial General Liability. The Additional Insured shall read 'City of Durham as its interest may appear'.
7. Certificate of Insurance: Contractor agrees to provide City of Durham a Certificate of Insurance evidencing that all coverage's, limits and endorsements required herein are maintained and in full force and effect, and Certificates of Insurance shall provide a minimum thirty (30) day endeavor to notify, when available, by Contractor's insurer. If Contractor receives a non-renewal or cancellation notice from an insurance carrier affording coverage required herein, or receives notice that coverage no longer complies with the insurance requirements herein, Contractor agrees to notify the City within five (5) business days with a copy of the non-renewal or cancellation notice, or written specifics as to which coverage is no longer in compliance. The Certificate Holder address should read:

   City of Durham
   Attn: Sandra Wilbur
   Stormwater and GIS Division
   101 City Hall Plaza
   Durham, NC 27701

.

8. All insurance companies must be authorized to do business in North Carolina with a Best Rating A-VIII or higher

I. E-verify Requirements
   1. If this contract is awarded pursuant to North Carolina General Statutes (NCGS) 143-129
      a. the contractor represents and covenants that the contractor and its subcontractors comply with the requirements of Article 2 of Chapter 64 of the NCGS;
      b. the words "contractor," "contractor's subcontractors," and "comply" as used in this subsection (1) shall have the meanings intended by NCGS 143-129 (j); and
      c. the City is relying on this subsection (1) in entering into this contract.
   2. If this contract is subject to NCGS 143-133.3, the contractor and its subcontractors shall comply with the requirements of Article 2 of Chapter 64 of the NCGS.

J. Iran Divestment Act Certification
   1. The Contractor certifies that, if it submitted a successful bid for this contract, then as of the date it submitted the bid, the Contractor was not identified on the Iran List. If it did not submit a bid for this contract, the Contractor certifies that as of the date that this contract is entered into, the Contractor is not identified on the Iran List. It is a material breach of contract for the Contractor to be identified on the Iran List during the term of this contract or to utilize on this

contract any subcontractor that is identified on the Iran List. In this Iran Divestment Act Certification section -- "Contractor" means the person entering into this contract with the City of Durham; and "Iran List" means the Final Divestment List – Iran, the Parent and Subsidiary Guidance– Iran list, and all other lists issued from time to time by the N.C. State Treasurer to comply with G. S. 147-86.58 of the N.C. Iran Divestment Act.

K. NCDEQ Fines

1. In addition to Liquidated Damages, Contractor shall pay Owner for any NCDEQ fines that may be levied against the Owner but related to the Contractor's actions.

NON-COLLUSION STATEMENT BY CONTRACTOR

The City of Durham prohibits collusion, which is defined as a secret agreement for a deceitful or fraudulent purpose.

I, ……, affirm that I have not engaged in collusion with any City employee(s), other person, corporations, or firms relating to this Bid, proposals, or quotations. I understand collusive bidding is a violation of state and federal law and can result in fines, prison sentences, and civil damage awards.

……
CONTRACTOR

IN WITNESS WHEREOF, the City and the Contractor have caused this contract to be executed under seal themselves or by their respective duly authorized agents or offices on this _____ day of _____, 20___ (the "Effective Date").

ATTEST: CITY OF DURHAM

_____ By:_____

preaudit certificate, if applicable _____

Address for giving notices:

Attention: Sandra Wilbur, PE
City of Durham
Department of Public Works
Stormwater & GIS Services Division
101 City Hall Plaza
Durham, North Carolina 27701

Phone No.: (919) 560-4326
Fax No.:(919) 560-4316

CONTRACTOR (CORPORATION):

.....

By: .....

Title: .....

(CORPORATE SEAL)

Attest: .....

Title: .....

(CORPORATE SEAL)

Address for giving notices:

.....

.....

.....

Phone No.: ……...

Fax No.: ……...

License No.: .....

Agent for service or process: ….....

……..…
(If Contractor is a corporation or partnership,
attach evidence of authority to sign.)

State of …….

ACKNOWLEDGMENT BY CORPORATION

County of …….

I, a notary public in and for the aforesaid county and state, certify that …… personally appeared before me this day and stated that he or she is

(***Strike through the inapplicable***:) chairperson/ president/ chief executive officer/ vice-president/ assistant vice-president/ treasurer/ chief financial officer of

[*to be completed at execution*], a corporation, and that by authority duly given and as the act of the corporation, he or she signed the foregoing contract or agreement with the City of Durham and the corporate seal was affixed thereto. This the ……..……. day of …….., 20…….

My commission expires: ……
……... Notary Public

END OF DOCUMENT

DOCUMENT 00 72 15

GENERAL CONDITIONS - EJCDC UNIT PRICE (SINGLE-PRIME CONTRACT)

1.1 SUMMARY

A. Document Includes:
1. General Conditions.
2. Supplemental Conditions.

B. Related Documents:
1. Document 00 52 15 - Agreement Form - EJCDC Unit Price (Single-Prime Contract).

1.2 GENERAL CONDITIONS

A. EJCDC No. C-700 (2002 Edition) - Standard General Conditions of the Construction Contract, is the General Conditions of the Contract.

END OF DOCUMENT

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This document has important legal consequences; consultation with an attorney is encouraged with respect to its use or modification. This document should be adapted to the particular circumstances of the contemplated Project and the Controlling Law.

STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT

Prepared by

ENGINEERS JOINT CONTRACT DOCUMENTS COMMITTEE

and

Issued and Published Jointly By

PROFESSIONAL ENGINEERS IN PRIVATE PRACTICE
a practice division of the
NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS

AMERICAN COUNCIL OF ENGINEERING COMPANIES

AMERICAN SOCIETY OF CIVIL ENGINEERS

This document has been approved and endorsed by

The Associated General Contractors of America

Construction Specifications Institute

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National Society of Professional Engineers
1420 King Street, Alexandria, VA 22314

American Council of Engineering Companies
1015 15th Street, N.W., Washington, DC 20005

American Society of Civil Engineers
1801 Alexander Bell Drive, Reston, VA 20191-4400

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City of Durham, Department of Public Works
101 City Hall Plaza, Durham, NC 27701

These General Conditions have been prepared for use with the Suggested Forms of Agreement Between Owner and Contractor Nos. C-520 or C-525 (2002 Editions). Their provisions are interrelated and a change in one may necessitate a change in the other. Comments concerning their usage are contained in the EJCDC Construction Documents, General and Instructions (No. C-001) (2002 Edition). For guidance in the preparation of Supplementary Conditions, see Guide to the Preparation of Supplementary Conditions (No. C-800) (2002 Edition).

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GENERAL CONDITIONS

ARTICLE 1 - DEFINITIONS AND TERMINOLOGY

1.01 *Defined Terms*

A. Wherever used in the Bidding Requirements or Contract Documents and printed with initial capital letters, the terms listed below will have the meanings indicated which are applicable to both the singular and plural thereof. In addition to terms specifically defined, terms with initial capital letters in the Contract Documents include references to identified articles and paragraphs, and the titles of other documents or forms.

1. *Addenda*--Written or graphic instruments issued prior to the opening of Bids which clarify, correct, or change the Bidding Requirements or the proposed Contract Documents.

2. *Agreement*--The written instrument which is evidence of the agreement between Owner and Contractor covering the Work.

3. *Application for Payment*--The form acceptable to Engineer which is to be used by Contractor during the course of the Work in requesting progress or final payments and which is to be accompanied by such supporting documentation as is required by the Contract Documents.

4. *Asbestos*--Any material that contains more than one percent asbestos and is friable or is releasing asbestos fibers into the air above current action levels established by the United States Occupational Safety and Health Administration.

5. *Bid*--The offer or proposal of a Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.

6. *Bidder*--The individual or entity who submits a Bid directly to Owner.

7. *Bidding Documents*--The Bidding Requirements and the proposed Contract Documents (including all Addenda).

8. *Bidding Requirements*--The Advertisement or Invitation to Bid, Instructions to Bidders, bid security of acceptable form, if any, and the Bid Form with any supplements.

9. *Change Order*--A document recommended by Engineer which is signed by Contractor and Owner and authorizes an addition, deletion, or revision in the Work or an adjustment in the Contract Price or the Contract Times, issued on or after the Effective Date of the Agreement.

9A. *City*--The City of Durham, North Carolina.

9B. *City Council*--The City Council of the City of Durham, North Carolina.

9C. *City Manager*—The City Manager of the City of Durham, North Carolina.

10. *Claim*--A demand or assertion by Owner or Contractor seeking an adjustment of Contract Price or Contract Times, or both, or other relief with respect to the terms of the Contract. A demand for money or services by a third party is not a Claim.

11. *Contract*--The entire and integrated written agreement between the Owner and Contractor concerning the Work. The Contract supersedes prior negotiations, representations, or agreements, whether written or oral.

12. *Contract Documents*-- Those items so designated in the Agreement. Only printed or hard copies of the items listed in the Agreement are Contract Documents. Approved Shop Drawings, other Contractor's submittals, and the reports and drawings of subsurface and physical conditions are not Contract Documents.

13. *Contract Price*--The moneys payable by Owner to Contractor for completion of the Work in accordance with the Contract Documents as stated in the Agreement (subject to the provisions of Paragraph 11.03 in the case of Unit Price Work).

14. *Contract Times*--The number of days or the dates stated in the Agreement to: (i) achieve Milestones, if any, (ii) achieve Substantial Completion; and (iii) complete the Work so that it is ready for final payment as evidenced by Engineer's written recommendation of final payment.

15. *Contractor*--The individual or entity with whom Owner has entered into the Agreement.

16. *Cost of the Work*--See Paragraph 11.01.A for definition.

17. *Drawings*--That part of the Contract Documents prepared or approved by Engineer which graphically shows the scope, extent, and character of the Work to be performed by Contractor. Shop Drawings and other Contractor submittals are not Drawings as so defined.

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17A. *Document*--A specific section of the Project Manual or a reference to a specific section of the Project Manual as noted with the accompanying numeric reference.

18. *Effective Date of the Agreement*--The date indicated in the Agreement on which it becomes effective, but if no such date is indicated, it means the date on which the Agreement is signed and delivered by the last of the two parties to sign and deliver.

19. *Engineer*--The individual or entity named as such in the Agreement.

20. *Field Order*--A written order issued by Engineer which requires minor changes in the Work but which does not involve a change in the Contract Price or the Contract Times.

21. *General Requirements*--Sections of Division 1 of the Specifications. The General Requirements pertain to all sections of the Specifications.

22. *Hazardous Environmental Condition*--The presence at the Site of Asbestos, PCBs, Petroleum, Hazardous Waste, or Radioactive Material in such quantities or circumstances that may present a substantial danger to persons or property exposed thereto in connection with the Work.

23. *Hazardous Waste*--The term Hazardous Waste shall have the meaning provided in Section 1004 of the Solid Waste Disposal Act (42 USC Section 6903) as amended from time to time.

23A. *Issuing Office*--The office from which the Bidding Documents are to be issued and where the Bidding procedures are to be administered.

24. *Laws and Regulations; Laws or Regulations*--Any and all applicable laws, rules, regulations, ordinances, codes, and orders of any and all governmental bodies, agencies, authorities, and courts having jurisdiction.

25. *Liens*--Charges, security interests, or encumbrances upon Project funds, real property, or personal property.

26. *Milestone*--A principal event specified in the Contract Documents relating to an intermediate completion date or time prior to Substantial Completion of all the Work.

27. *Notice of Award*--The written notice by Owner to the Successful Bidder stating that upon timely compliance by the Successful Bidder with the conditions precedent listed therein, Owner will sign and deliver the Agreement.

28. *Notice to Proceed*--A written notice given by Owner to Contractor fixing the date on which the Contract Times will commence to run and on which Contractor shall start to perform the Work under the Contract Documents.

29. *Owner*--The individual or entity with whom Contractor has entered into the Agreement and for whom the Work is to be performed. The Owner is the City of Durham, North Carolina. The City Manager is hereby designated as Owner's representative. The City Manager is the only individual authorized to act on Owner's behalf under or in connection with the Contract Documents, unless the City Manager designates a new representative in writing. The authority of the City Manager and designated representative(s), if any, includes terminating or suspending Work under Article 15 and executing changes in the Work under Article 10.

30. *PCBs*--Polychlorinated biphenyls.

31. *Petroleum*--Petroleum, including crude oil or any fraction thereof which is liquid at standard conditions of temperature and pressure (60 degrees Fahrenheit and 14.7 pounds per square inch absolute), such as oil, petroleum, fuel oil, oil sludge, oil refuse, gasoline, kerosene, and oil mixed with other non-Hazardous Waste and crude oils.

31A. *Products*--Means, materials, and equipment that Contractor furnishes and provides, other than labor and services.

32. *Progress Schedule*--A schedule, prepared and maintained by Contractor, describing the sequence and duration of the activities comprising the Contractor's plan to accomplish the Work within the Contract Times.

33. *Project*--The total construction of which the Work to be performed under the Contract Documents may be the whole, or a part.

34. *Project Manual*--The bound documentary information prepared for bidding and constructing the Work. A listing of the contents of the Project Manual, which may be bound in one or more volumes, is contained in the table(s) of contents.

34A. *Property Owner*--The individual, partnership, co-partnership, limited liability corporation, firm, company, corporation, unincorporated association, organization, joint stock company, trust, estate, institution, governmental entity, or any other entity that owns the property, or controls management or activities of the property where Work or a portion of the Work is performed.

35. *Radioactive Material*--Source, special nuclear, or byproduct material as defined by the Atomic Energy Act of 1954 (42 USC Section 2011 et seq.) as amended from time to time.

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36. *Related Entity* -- An officer, director, partner, employee, agent, consultant, or subcontractor.

37. *Resident Project Representative*--The authorized representative of Engineer who may be assigned to the Site or any part thereof to make any and all inspections of the Work performed, acting under direct supervision of the Engineer.

38. *Samples*--Physical examples of materials, equipment, or workmanship that are representative of some portion of the Work and which establish the standards by which such portion of the Work will be judged.

39. *Schedule of Submittals*--A schedule, prepared and maintained by Contractor, of required submittals and the time requirements to support scheduled performance of related construction activities.

40. *Schedule of Values*--A schedule, prepared and maintained by Contractor, allocating portions of the Contract Price to various portions of the Work and used as the basis for reviewing Contractor's Applications for Payment.

41. *Shop Drawings*--All drawings, diagrams, illustrations, schedules, and other data or information which are specifically prepared or assembled by or for Contractor and submitted by Contractor to illustrate some portion of the Work.

42. *Site*--Lands or areas indicated in the Contract Documents as being furnished by Owner upon which the Work is to be performed, including rights-of-way and easements for access thereto, and such other lands furnished by Owner which are designated for the use of Contractor.

43. *Specifications*--That part of the Contract Documents consisting of written requirements for materials, equipment, systems, standards and workmanship as applied to the Work, and certain administrative requirements and procedural matters applicable thereto.

44. *Subcontractor*--An individual or entity having a direct contract with Contractor or with any other Subcontractor for the performance of a part of the Work at the Site.

45. *Substantial Completion*--The time at which the Work (or a specified part thereof) has progressed to the point where, in the opinion of Engineer and approved by Owner, the Work (or a specified part thereof) is sufficiently complete, in accordance with the Contract Documents, so that the Work (or a specified part thereof) can be lawfully utilized for the purposes for which it is intended. The terms "substantially complete" and "substantially completed" as applied to all or part of the Work refer to Substantial Completion thereof.

46. *Successful Bidder*--The Bidder submitting a responsive Bid to whom Owner makes an award.

46A. *Superintendent*--The authorized representative of the Contractor who is assigned to oversee the work forces responsible for performing the Work in accordance with the Contract Documents.

47. *Supplementary Conditions*--That part of the Contract Documents which amends or supplements these General Conditions.

48. *Supplier*--A manufacturer, fabricator, supplier, distributor, materialman, or vendor having a direct contract with Contractor or with any Subcontractor to furnish materials or equipment to be incorporated in the Work by Contractor or any Subcontractor.

49. *Underground Facilities*--All underground pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels, or other such facilities or attachments, and any encasements containing such facilities, including those that convey electricity, gases, steam, liquid petroleum products, telephone or other communications, cable television, water, wastewater, storm water, other liquids or chemicals, or traffic or other control systems.

50. *Unit Price Work*--Work to be paid for on the basis of unit prices.

51. *Work*--The entire construction or the various separately identifiable parts thereof required to be provided under the Contract Documents. Work includes and is the result of performing or providing all labor, services, and documentation necessary to produce such construction, and furnishing, installing, and incorporating all materials and equipment into such construction, all as required by the Contract Documents.

52. *Work Change Directive*--A written statement to Contractor issued on or after the Effective Date of the Agreement and signed by Owner and recommended by Engineer ordering an addition, deletion, or revision in the Work, or responding to differing or unforeseen subsurface or physical conditions under which the Work is to be performed or to emergencies. A Work Change Directive will not change the Contract Price or the Contract Times but is evidence that the parties expect that the change ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order

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following negotiations by the parties as to its effect, if any, on the Contract Price or Contract Times.

1.02 *Terminology*

A. The following words or terms are not defined but, when used in the Bidding Requirements or Contract Documents, have the following meaning.

B. *Intent of Certain Terms or Adjectives*

1. The Contract Documents include the terms "as allowed," "as approved," "as ordered", "as directed" or terms of like effect or import to authorize an exercise of professional judgment by Engineer. In addition, the adjectives "reasonable," "suitable," "acceptable," "proper," "satisfactory," or adjectives of like effect or import are used to describe an action or determination of Engineer as to the Work. It is intended that such exercise of professional judgment, action or determination will be solely to evaluate, in general, the Work for compliance with the requirements of and information in the Contract Documents and conformance with the design concept of the completed Project as a functioning whole as shown or indicated in the Contract Documents (unless there is a specific statement indicating otherwise). The use of any such term or adjective is not intended to and shall not be effective to assign to Engineer any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility contrary to the provisions of Paragraph 9.09 or any other provision of the Contract Documents.

C. *Day*

1. The word "day" means a calendar day of 24 hours measured from midnight to the next midnight.

D. *Defective*

1. The word "defective," when modifying the word "Work," refers to Work that is unsatisfactory, faulty, or deficient in that it:

a. does not conform to the Contract Documents, or

b. does not meet the requirements of any applicable inspection, reference standard, test, or approval referred to in the Contract Documents, or

c. has been damaged prior to Engineer's - recommendation of final payment (unless responsibility for the protection thereof has been assumed by Owner at Substantial Completion in accordance with Paragraph 14.04 or 14.05).

E. *Furnish, Install, Perform, Provide*

1. The word "furnish," when used in connection with services, materials, or equipment, shall mean to supply and deliver said services, materials, or equipment to the Site (or some other specified location) ready for use or installation and in usable or operable condition.

2. The word "install," when used in connection with services, materials, or equipment, shall mean to put into use or place in final position said services, materials, or equipment complete and ready for intended use.

3. The words "perform" or "provide," when used in connection with services, materials, or equipment, shall mean to furnish and install said services, materials, or equipment complete and ready for intended use.

4. When "furnish," "install," "perform," or "provide" is not used in connection with services, materials, or equipment in a context clearly requiring an obligation of Contractor, "provide" is implied.

F. Unless stated otherwise in the Contract Documents, words or phrases which have a well-known technical or construction industry or trade meaning are used in the Contract Documents in accordance with such recognized meaning.

G. *Include*

1. The word "include" in its various forms and derivatives shall mean 'without limitation' unless the context otherwise requires.

H. *Persistently Fails*

1. The expression 'persistently fails' and other similar expressions, as used in reference to the Contractor, shall mean any act or omission which causes Owner or Engineer to reasonably conclude that Contractor will not complete the Work within the Contract Times or Contract Price, or in substantial compliance with the requirements of the Contract Documents.

I. *Pronouns, Numbers, and Titles*

1. Unless the context otherwise requires, all personal pronouns used in the Contract Documents shall include all other genders, and the singular shall include the plural and vice versa. Titles and headings of articles, paragraphs, subparagraphs, sections, subsections, parts, subparts, etc., in the Contract Documents are for convenience only, and neither limit nor amplify the provisions.

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2.01 *Delivery of Bonds and Evidence of Insurance*

A. When Contractor delivers the executed counterparts of the Agreement to Owner, Contractor shall also deliver to Owner such bonds as Contractor may be required to furnish.

B. *Evidence of Insurance:* Before any Work at the Site is started, Contractor and Owner shall each deliver to the other, with copies to each additional insured identified in ~~the Supplementary Conditions~~ Article 5, certificates of insurance (and other evidence of insurance which either of them or any additional insured may reasonably request) which Contractor and Owner respectively are required to purchase and maintain in accordance with Article 5.

2.02 *Copies of Documents*

~~A. Owner shall furnish to Contractor up to ten printed or hard copies of the Drawings and Project Manual. Additional copies will be furnished upon request at the cost of reproduction.~~

A. The City of Durham shall furnish drawings and Project Manual to Contractor in electronic format. The cost of reproduction shall be the responsibility of the Contractor.

2.03 *Commencement of Contract Times; Notice to Proceed*

~~A. The Contract Times will commence to run on the thirtieth day after the Effective Date of the Agreement or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within 30 days after the Effective Date of the Agreement. In no event will the Contract Times commence to run later than the sixtieth day after the day of Bid opening or the thirtieth day after the Effective Date of the Agreement, whichever date is earlier.~~

A. The Contract Times will commence to run on the thirtieth (30th) day after the Effective Date of the Agreement or, if a Notice to Proceed is given, on the day indicated in the Notice to Proceed. A Notice to Proceed may be given at any time within thirty (30) days after the Effective Date of the Agreement. In no event will the Contract Times commence to run later than the thirtieth (30th) day after the execution of the Contract by the City of Durham, Office of the City Manager.

2.04 *Starting the Work*

A. Contractor shall start to perform the Work on the date when the Contract Times commence to run. No Work shall be done at the Site prior to the date on which the Contract Times commence to run.

2.05 *Before Starting Construction*

A. *Preliminary Schedules:* Within 10 days after the Effective Date of the Agreement (unless otherwise specified in the General Requirements), Contractor shall submit to Engineer for timely review**:**

1. a preliminary Progress Schedule; indicating the times (numbers of days or dates) for starting and completing the various stages of the Work, including any Milestones specified in the Contract Documents;

2. a preliminary Schedule of Submittals; and

3. a preliminary Schedule of Values for all of the Work which includes quantities and prices of items which when added together equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of Work.

B. *Priority List of Sites:* The priority list of Sites for the Project shall be approved by the Engineer or Resident Project Representative. The City of Durham reserves the right to alter the priority list of Sites. The Contractor shall be given notice in writing of any change in the priority list of Sites.

2.06 *Preconstruction Conference*

A. Before any Work at the Site is started, a conference attended by Owner, Contractor, Engineer, and others as appropriate will be held to establish a working understanding among the parties as to the Work and to discuss the schedules referred to in Paragraph 2.05.A, procedures for handling Shop Drawings and other submittals, processing Applications for Payment, and maintaining required records.

2.07 *Initial Acceptance of Schedules*

A. At least 10 days before submission of the first Application for Payment a conference attended by Contractor, Engineer, and others as appropriate will be held to review for acceptability to Engineer as provided below the schedules submitted in accordance with Paragraph 2.05.A. Contractor shall have an additional 10 days to make corrections and adjustments and to complete and resubmit the schedules. No progress payment shall be made to Contractor until acceptable schedules are submitted to Engineer.

1. The Progress Schedule will be acceptable to Engineer if it provides an orderly progression of the Work to completion within the Contract Times. Such acceptance will not impose on Engineer responsibility for the Progress Schedule, for sequencing, scheduling, or

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progress of the Work nor interfere with or relieve Contractor from Contractor's full responsibility therefor.

2. Contractor's Schedule of Submittals will be acceptable to Engineer if it provides a workable arrangement for reviewing and processing the required submittals.

3. Contractor's Schedule of Values will be acceptable to Engineer as to form and substance if it provides a reasonable allocation of the Contract Price to component parts of the Work.

ARTICLE 3 - CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE

3.01 *Intent*

A. The Contract Documents are complementary; what is required by one is as binding as if required by all.

B. It is the intent of the Contract Documents to describe a functionally complete Project (or part thereof) to be constructed in accordance with the Contract Documents. Any labor, documentation, services, materials, or equipment that may reasonably be inferred from the Contract Documents or from prevailing custom or trade usage as being required to produce the intended result will be provided whether or not specifically called for at no additional cost to Owner.

C. Clarifications and interpretations of the Contract Documents shall be issued by Engineer as provided in Article 9.

D. The General Requirements govern the execution of the Work of all sections of the Technical Specifications of the Contract Documents.

3.02 *Reference Standards*

A. Standards, Specifications, Codes, Laws, and Regulations

1. Reference to standards, specifications, manuals, or codes of any technical society, organization, or association, or to Laws or Regulations, whether such reference be specific or by implication, shall mean the standard, specification, manual, code, or Laws or Regulations in effect at the time of opening of Bids (or on the Effective Date of the Agreement if there were no Bids), except as may be otherwise specifically stated in the Contract Documents.

2. No provision of any such standard, specification, manual or code, or any instruction of a Supplier shall be effective to change the duties or responsibilities of Owner, Contractor, or Engineer, or any of their subcontractors, consultants, agents, or employees from those set forth in the Contract Documents. No such provision or instruction shall be effective to assign to Owner, or Engineer, or any of, their Related Entities, any duty or authority to supervise or direct the performance of the Work or any duty or authority to undertake responsibility inconsistent with the provisions of the Contract Documents.

3.03 *Reporting and Resolving Discrepancies*

A. Reporting Discrepancies

1. *Contractor's Review of Contract Documents Before Starting Work*: Before undertaking each part of the Work, Contractor shall carefully study and compare the Contract Documents and check and verify pertinent figures therein and all applicable field measurements. Contractor shall promptly report in writing to Engineer any conflict, error, ambiguity, or discrepancy which Contractor may discover and shall obtain a written interpretation or clarification from Engineer before proceeding with any Work affected thereby.

a. The accuracy or exactness of grades, elevations, dimension, or locations given on any Drawings or the Work installed by other contractors, is not guaranteed by Owner.

b. Included under Contractor's duty under the first sentence of Paragraph 3.03.A.1 are:

1) to satisfy itself as to the accuracy of all grades, elevations, dimensions, and locations, and

2) in all cases of interconnection of the Work to be done by Contractor with the rest of the Project, it shall verify at the Site all dimensions needed to make proper interconnections.

c. Contractor shall promptly rectify all errors due to its failure to so verify all such grades, elevations, locations, or dimensions without additional cost to Owner. No extra charge or compensation shall be allowed on account of differences between actual dimensions and the dimensions indicated on the Drawings.

d. Contractor acknowledges:

1) the Contract Documents are sufficient to determine the cost of the Work;

2) it has had sufficient opportunity to visit the Site and to examine all conditions, including subsurface and physical conditions, affecting the Work;

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3) it has had a sufficient opportunity to examine the Contract Documents for errors, inconsistencies, and omissions;

4) the Contract Documents are complete and unambiguous;

5) the Contract Times are reasonable and sufficient to complete the Work.

e. If the statements in Paragraph 3.03.A.1.d are not accurate, Contractor accepts any risk in connection with making them.

f. Contractor shall evaluate and satisfy itself as to the conditions and limitations under which the Work is to be performed, including (to the extent they are pertinent):

1) the location, condition, layout, and nature of the Site and surrounding areas,

2) generally prevailing climatic condition,

3) anticipated labor supply and costs,

4) availability and cost of materials, tools, and equipment, and

5) other similar issues.

g. To the extent that it may be appropriate for the proper execution of its subcontract, Contractor shall cause each Subcontractor to do the evaluation described in Paragraph 3.03.A.1.f.

h. Owner shall not be required to make any adjustment in with the Contract Times or the Contract Price in connection with any failure by Contractor to comply with Paragraph 3.03.A.

2. *Contractor's Review of Contract Documents During Performance of Work*: If, during the performance of the Work, Contractor discovers any conflict, error, ambiguity, or discrepancy within the Contract Documents or between the Contract Documents and any provision of any Law or Regulation applicable to the performance of the Work or of any standard, specification, manual or code, or of any instruction of any Supplier, Contractor shall promptly report it to Engineer in writing. Contractor shall not proceed with the Work affected thereby (except in an emergency as required by Paragraph 6.16.A) until an amendment or supplement to the Contract Documents has been issued by one of the methods indicated in Paragraph 3.04.

3. Contractor shall not be liable to Owner or Engineer for failure to report any conflict, error, ambiguity, or discrepancy in the Contract Documents unless Contractor knew or reasonably should have known thereof or unless otherwise provided in the Contract Documents, or by Laws or Regulations or common law.

B. Resolving Discrepancies

1. Except as may be otherwise specifically stated in the Contract Documents, the provisions of the Contract Documents shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between the provisions of the Contract Documents and:

a. the provisions of any standard, specification, manual, code, or instruction (whether or not specifically incorporated by reference in the Contract Documents); or

b. the provisions of any Laws or Regulations applicable to the performance of the Work (unless such an interpretation of the provisions of the Contract Documents would result in violation of such Law or Regulation).

2. Owner and Contractor shall do all acts, and shall make, execute, and deliver such written instruments, as shall from time to time be reasonably required to carry out the provisions of the Contract Documents. If inconsistencies within or between parts of the Contract Documents, or between the Contract Documents and applicable standards, specifications, manuals, or Laws or Regulations cannot be resolved by use of provisions of the Contract Documents as described in Paragraph 3.03.B.1, Contractor shall:

a. provide the better quality or greater quantity of Work or

b. comply with the more stringent requirement.

3. Paragraph 3.03.B.2 shall not relieve the Contractor of any obligations otherwise imposed on it.

3.04 *Amending and Supplementing Contract Documents*

A. The Contract Documents may be amended to provide for additions, deletions, and revisions in the Work or to modify the terms and conditions thereof by either a Change Order or a Work Change Directive.

B. The requirements of the Contract Documents may be supplemented, and minor variations and deviations in the Work may be authorized, by one or more of the following ways:

1. A Field Order;

2. Engineer's approval of a Shop Drawing or Sample; (Subject to the provisions of Paragraph 6.17.D.3); or

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3. Engineer's written interpretation or clarification.

3.05 *Reuse of Documents*

A. Contractor and any Subcontractor or Supplier or other individual or entity performing or furnishing all of the Work under a direct or indirect contract with Contractor, shall not:

1. have or acquire any title to or ownership rights in any of the Drawings, Specifications, or other documents (or copies of any thereof) prepared by or bearing the seal of Engineer or Engineer's consultants, including electronic media editions; or

2. reuse any of such Drawings, Specifications, other documents, or copies thereof on extensions of the Project or any other project without written consent of Owner and Engineer and specific written verification or adaption by Engineer.

B. The prohibition of this Paragraph 3.05 will survive final payment, or termination of the Contract. Nothing herein shall preclude Contractor from retaining copies of the Contract Documents for record purposes.

3.06 *Electronic Data*

A. Copies of data furnished by Owner or Engineer to Contractor or Contractor to Owner or Engineer that may be relied upon are limited to the printed copies (also known as hard copies). Files in electronic media format of text, data, graphics, or other types are furnished only for the convenience of the receiving party. Any conclusion or information obtained or derived from such electronic files will be at the user's sole risk. If there is a discrepancy between the electronic files and the hard copies, the hard copies govern.

B. Because data stored in electronic media format can deteriorate or be modified inadvertently or otherwise without authorization of the data's creator, the party receiving electronic files agrees that it will perform acceptance tests or procedures within 60 days, after which the receiving party shall be deemed to have accepted the data thus transferred. Any errors detected within the 60-day acceptance period will be corrected by the transferring party.

C. When transferring documents in electronic media format, the transferring party makes no representations as to long term compatibility, usability, or readability of documents resulting from the use of software application packages, operating systems, or computer hardware differing from those used by the data's creator.

ARTICLE 4 - AVAILABILITY OF LANDS; SUBSURFACE AND PHYSICAL CONDITIONS; HAZARDOUS ENVIRONMENTAL CONDITIONS; REFERENCE POINTS

4.01 *Availability of Lands*

A. Owner shall furnish the Site. Owner shall notify Contractor of any encumbrances or restrictions not of general application but specifically related to use of the Site with which Contractor must comply in performing the Work. Owner will obtain in a timely manner and pay for easements for permanent structures or permanent changes in existing facilities. If Contractor and Owner are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, as a result of any delay in Owner's furnishing the Site or a part thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05.

B. Upon reasonable written request, Owner shall furnish Contractor with a current statement of record legal title and legal description of the lands upon which the Work is to be performed and Owner's interest therein as necessary for giving notice of or filing a mechanic's or construction lien against such lands in accordance with applicable Laws and Regulations.

C. Contractor shall provide for all additional lands and access thereto that may be required for temporary construction facilities or storage of materials and equipment.

D. The City of Durham shall obtain a right-of entry for each Site located on private property. No work shall commence on a private property Site until the Contractor has been given a copy of the executed right-of entry for that Site and the Contractor has been given permission to begin work on the Site from the Engineer or Resident Project Representative. The City of Durham is solely responsible for obtaining rights-of-entry.

E. The Contractor shall have no more than one (1) uncompleted Site ongoing at any time, unless authorized by the Engineer or Resident Project Representative. Prior to moving to the next Site, the Contractor shall receive permission from the Engineer or Resident Project Representative.

F. The City of Durham shall obtain all encroachment agreements necessary for the completion of the Work. The Contractor shall become familiarized with all the provisions of the encroachment agreements, if any, required for Contract. The Engineer or Resident Project Representative will provide copies of the encroachment agreements. The City of Durham is solely responsible for obtaining encroachment agreements.

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G. *Public Notice and Advisory*: The Contractor shall notify individuals or entities anticipated to be affected by the Work. Notice shall be written and provided to the recipient no less than two (2) days prior to commencing Site construction. Notice shall be delivered in person, door knob hanger, or letter and shall include the following information:

1. nature and schedule of the Work;

2. name and telephone number of a contact person; and

3. any additional necessary information or instructions.

H. The Engineer or Resident Project Representative shall approve any notice prior to commencement of construction.

4.02 *Subsurface and Physical Conditions*

A. *Reports and Drawings:* The ~~Supplementary Conditions identify~~ Agreement, Paragraph 1.10.G.1 identifies:

1. those reports of explorations and tests of subsurface conditions at or contiguous to the Site that Engineer has used in preparing the Contract Documents; and

2. those drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) that Engineer has used in preparing the Contract Documents.

B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the general accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any claim against Owner or Engineer, or any of their Related Entities with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or

2. other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or

3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions, or information.

4.03 *Differing Subsurface or Physical Conditions*

A. *Notice:* If Contractor believes that any subsurface or physical condition at or contiguous to the Site that is uncovered or revealed either:

1. is of such a nature as to establish that any "technical data" on which Contractor is entitled to rely as provided in Paragraph 4.02 is materially inaccurate; or

2. is of such a nature as to require a change in the Contract Documents; or

3. differs materially from that shown or indicated in the Contract Documents; or

4. is of an unusual nature, and differs materially from conditions ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents;

then Contractor shall, promptly after becoming aware thereof and before further disturbing the subsurface or physical conditions or performing any Work in connection therewith (except in an emergency as required by Paragraph 6.16.A), notify Owner and Engineer in writing about such condition. Contractor shall not further disturb such condition or perform any Work in connection therewith (except as aforesaid) until receipt of written order to do so.

B. *Engineer's Review*: After receipt of written notice as required by Paragraph 4.03.A, Engineer will promptly review the pertinent condition, determine the necessity of Owner's obtaining additional exploration or tests with respect thereto, and advise Owner in writing (with a copy to Contractor) of Engineer's findings and conclusions.

C. Possible Price and Times Adjustments

1. The Contract Price or the Contract Times, or both, will be equitably adjusted to the extent that the existence of such differing subsurface or physical condition causes an increase or decrease in Contractor's cost of, or time required for, performance of the Work; subject, however, to the following:

a. such condition must meet any one or more of the categories described in Paragraph 4.03.A; and

b. with respect to Work that is paid for on a Unit Price Basis, any adjustment in Contract Price will be subject to the provisions of Paragraphs 9.07 and 11.03.

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2. Contractor shall not be entitled to any adjustment in the Contract Price or Contract Times if:

a. Contractor knew of the existence of such conditions at the time Contractor made a final commitment to Owner with respect to Contract Price and Contract Times by the submission of a Bid or becoming bound under a negotiated contract; or

b. the existence of such condition could reasonably have been discovered or revealed as a result of any examination, investigation, exploration, test, or study of the Site and contiguous areas required by the Bidding Requirements or Contract Documents to be conducted by or for Contractor prior to Contractor's making such final commitment; or

c. Contractor failed to give the written notice as required by Paragraph 4.03.A.

3. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times, or both, a Claim may be made therefor as provided in Paragraph 10.05. However, Owner and Engineer, and any of their Related Entities shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

4.04 *Underground Facilities*

A. *Shown or Indicated:* The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the Site is based on information and data furnished to Owner or Engineer by the owners of such Underground Facilities, including Owner, or by others. Unless it is otherwise expressly provided in ~~the Supplementary Conditions~~ Article 4:

1. Owner and Engineer shall not be responsible for the accuracy or completeness of any such information or data; and

2. the cost of all of the following will be included in the Contract Price, and Contractor shall have full responsibility for:

a. reviewing and checking all such information and data,

b. locating all Underground Facilities shown or indicated in the Contract Documents,

c. coordination of the Work with the owners of such Underground Facilities, including Owner, during construction, and

d. the safety and protection of all such Underground Facilities and repairing any damage thereto resulting from the Work.

B. *Not Shown or Indicated*

1. If an Underground Facility is uncovered or revealed at or contiguous to the Site which was not shown or indicated, or not shown or indicated with reasonable accuracy in the Contract Documents, Contractor shall, promptly after becoming aware thereof and before further disturbing conditions affected thereby or performing any Work in connection therewith (except in an emergency as required by Paragraph 6.16.A), identify the owner of such Underground Facility and give written notice to that owner and to Owner and Engineer. Engineer will promptly review the Underground Facility and determine the extent, if any, to which a change is required in the Contract Documents to reflect and document the consequences of the existence or location of the Underground Facility. During such time, Contractor shall be responsible for the safety and protection of such Underground Facility.

2. If Engineer concludes that a change in the Contract Documents is required, a Work Change Directive or a Change Order will be issued to reflect and document such consequences. An equitable adjustment shall be made in the Contract Price or Contract Times, or both, to the extent that they are attributable to the existence or location of any Underground Facility that was not shown or indicated or not shown or indicated with reasonable accuracy in the Contract Documents and that Contractor did not know of and could not reasonably have been expected to be aware of or to have anticipated. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment in Contract Price or Contract Times, Owner or Contractor may make a Claim therefor as provided in Paragraph 10.05.

4.05 *Reference Points*

A. Owner shall provide engineering surveys to establish reference points for construction which in Engineer's judgment are necessary to enable Contractor to proceed with the Work. Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of Owner. Contractor shall report to Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or property monuments by professionally qualified personnel.

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4.06 *Hazardous Environmental Condition at Site*

A. *Reports and Drawings:* Reference is made to the ~~Supplementary Conditions~~ Agreement, Paragraph 1.10.G.2, for the identification of those reports and drawings relating to a Hazardous Environmental Condition identified at the Site, if any, that have been utilized by the Engineer in the preparation of the Contract Documents.

B. *Limited Reliance by Contractor on Technical Data Authorized:* Contractor may rely upon the general accuracy of the "technical data" contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such "technical data" is identified in the Supplementary Conditions. Except for such reliance on such "technical data," Contractor may not rely upon or make any claim against Owner or Engineer, or any of their Related Entities with respect to:

1. the completeness of such reports and drawings for Contractor's purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences and procedures of construction to be employed by Contractor and safety precautions and programs incident thereto; or

2. other data, interpretations, opinions and information contained in such reports or shown or indicated in such drawings; or

3. any Contractor interpretation of or conclusion drawn from any "technical data" or any such other data, interpretations, opinions or information.

C. Contractor shall not be responsible for any Hazardous Environmental Condition uncovered or revealed at the Site which was not shown or indicated in Drawings or Specifications or identified in the Contract Documents to be within the scope of the Work. Contractor shall be responsible for a Hazardous Environmental Condition created with any materials brought to the Site by Contractor, Subcontractors, Suppliers, or anyone else for whom Contractor is responsible.

D. If Contractor encounters a Hazardous Environmental Condition or if Contractor or anyone for whom Contractor is responsible creates a Hazardous Environmental Condition, Contractor shall immediately: (i) secure or otherwise isolate such condition; (ii) stop all Work in connection with such condition and in any area affected thereby (except in an emergency as required by Paragraph 6.16.A); and (iii) notify Owner and Engineer (and promptly thereafter confirm such notice in writing). Owner shall promptly consult with Engineer concerning the necessity for Owner to retain a qualified expert to evaluate such condition or take corrective action, if any.

E. Contractor shall not be required to resume Work in connection with such condition or in any affected area until after Owner has obtained any required permits related thereto and delivered to Contractor written notice: (i) specifying that such condition and any affected area is or has been rendered safe for the resumption of Work; or (ii) specifying any special conditions under which such Work may be resumed safely. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of any adjustment in Contract Price or Contract Times, or both, as a result of such Work stoppage or such special conditions under which Work is agreed to be resumed by Contractor, either party may make a Claim therefor as provided in Paragraph 10.05.

F. If after receipt of such written notice Contractor does not agree to resume such Work based on a reasonable belief it is unsafe, or does not agree to resume such Work under such special conditions, then Owner may order the portion of the Work that is in the area affected by such condition to be deleted from the Work. If Owner and Contractor cannot agree as to entitlement to or on the amount or extent, if any, of an adjustment in Contract Price or Contract Times as a result of deleting such portion of the Work, then either party may make a Claim therefor as provided in Paragraph 10.05. Owner may have such deleted portion of the Work performed by Owner's own forces or others in accordance with Article 7.

~~G. To the fullest extent permitted by Laws and Regulations, Owner shall indemnify and hold harmless Contractor, Subcontractors, and Engineer, and the officers, directors, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition, provided that such Hazardous Environmental Condition: (i) was not shown or indicated in the Drawings or Specifications or identified in the Contract Documents to be included within the scope of the Work, and (ii) was not created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06.G shall obligate Owner to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.~~

G. Nothing in this Paragraph 4.06 is intended to reduce Owner's duties under the Contract Documents, including Article 8.

~~H. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants, and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects,~~

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~~attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to a Hazardous Environmental Condition created by Contractor or by anyone for whom Contractor is responsible. Nothing in this Paragraph 4.06.H shall obligate Contractor to indemnify any individual or entity from and against the consequences of that individual's or entity's own negligence.~~

H. Nothing in this Paragraph 4.06 is intended to reduce Contractor's duties under the Contract Documents, including Article 6.

I. The provisions of Paragraphs 4.02, 4.03, and 4.04 do not apply to a Hazardous Environmental Condition uncovered or revealed at the Site.

ARTICLE 5 - BONDS AND INSURANCE

5.01 *Performance, Payment, and Other Bonds*

A. Contractor shall furnish performance and payment bonds, each in an amount at least equal to the Contract Price as security for the faithful performance and payment of all of Contractor's obligations under the Contract Documents. These bonds shall remain in effect until one year after the date when final payment becomes due or until completion of the correction period specified in Paragraph 13.07, whichever is later, except as provided otherwise by Laws or Regulations or by the Contract Documents. Contractor shall also furnish such other bonds as are required by the Contract Documents.

B. All bonds shall be in the form prescribed by the Contract Documents except as provided otherwise by Laws or Regulations, and shall be executed by such sureties as are named in the current list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds and as Acceptable Reinsuring Companies" as published in Circular 570 (amended) by the Financial Management Service, Surety Bond Branch, U.S. Department of the Treasury. All bonds signed by an agent must be accompanied by a certified copy of the agent's authority to act. Furnish Performance and Payment Bonds on the bond forms included in Appendix G. Performance and Payment Bonds shall be executed by a surety licensed to do business in the State of North Carolina.

C. If the surety on any bond furnished by Contractor is declared bankrupt or becomes insolvent or its right to do business is terminated in any state where any part of the Project is located or it ceases to meet the requirements of Paragraph 5.01.B, Contractor shall promptly notify Owner and Engineer and shall, within ~~20~~ five (5) days after the event giving rise to such notification, provide another bond and surety, both of which shall comply with the requirements of Paragraphs 5.01.B and 5.02.

5.02 *Licensed Sureties and Insurers*

A. All bonds and insurance required by the Contract Documents to be purchased and maintained by Owner or Contractor shall be obtained from surety or insurance companies that are duly licensed or authorized in the jurisdiction in which the Project is located to issue bonds or insurance policies for the limits and coverages so required. Such surety and insurance companies shall also meet such additional requirements and qualifications as may be provided in ~~the Supplementary Conditions~~ Article 5.

5.03 *Certificates of Insurance*

A. Contractor shall deliver to Owner, with copies to each additional insured identified in ~~the Supplementary Conditions~~ Article 5, certificates of insurance (and other evidence of insurance requested by Owner or any other additional insured) which Contractor is required to purchase and maintain.

~~B. Owner shall deliver to Contractor, with copies to each additional insured identified in the Supplementary Conditions, certificates of insurance (and other evidence of insurance requested by Contractor or any other additional insured) which Owner is required to purchase and maintain.~~

B. Certificates of insurance shall be addressed to the City of Durham, North Carolina, Attention: Finance Director, 101 City Hall Plaza, Durham, North Carolina 27701.

C. Both the certificates of insurance and additional insured endorsement must be originals and must be approved by the City of Durham's Finance Director before Contractor can begin any Work under this Contract.

D. Failure of the City of Durham to demand such certificates or other evidence of full compliance with these insurance requirements or failure of the City of Durham to identify a deficiency from evidence provided shall not be construed as a waiver of Contractor's obligation to maintain such insurance.

E. By requiring such insurance and insurance limits herein, the City of Durham does not represent that coverage and limits will necessarily be adequate to protect Contractor, and such coverage and limits shall not be deemed as a limitation on Contractor's liability under the indemnities granted to the City of Durham in the Contract Documents.

5.04 *Contractor's Liability Insurance*

A. Contractor shall purchase and maintain ~~such liability and other~~ commercial general liability insurance as is appropriate for the Work being performed and as will provide protection from claims set forth below which

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may arise out of or result from Contractor's performance of the Work and Contractor's other obligations under the Contract Documents, whether it is to be performed by Contractor, any Subcontractor or Supplier, or by anyone directly or indirectly employed by any of them to perform any of the Work, or by anyone for whose acts any of them may be liable:

1. claims under workers' compensation, disability benefits, and other similar employee benefit acts;

a. Workers compensation insurance shall cover statutory benefits.

b. Workers compensation insurance shall cover employees; cover Contractor's partners, officers, and relatives (who work on this Contract).

c. Workers compensation insurance shall cover employers' liability in the amount stipulated by the Agreement, Paragraph 1.10.H.1.

2. claims for damages because of bodily injury, occupational sickness or disease, or death of Contractor's employees;

3. claims for damages because of bodily injury, sickness or disease, or death of any person other than Contractor's employees;

4. claims for damages insured by reasonably available personal injury liability coverage which are sustained:

a. by any person as a result of an offense directly or indirectly related to the employment of such person by Contractor, or

b. by any other person for any other reason;

5. claims for damages, other than to the Work itself, because of injury to or destruction of tangible property wherever located, including loss of use resulting therefrom; and

6. claims for damages because of bodily injury or death of any person or property damage arising out of the ownership, maintenance or use of any motor vehicle.

a. Automobile liability insurance shall cover owned, hired, or borrowed vehicles.

b. Automobile liability insurance shall cover employee vehicles, if used in performance of this Contract.

c. Automobile liability insurance limits shall be as stipulated in the Agreement, Paragraph 1.10.H.2.

7. claims for damages related to premises/operations.

8. claims for damages related to products/completed operations.

9. claims for damages related to broad form property damage.

10. claims for damages related to explosion, collapse, and underground hazards if the hazards exist in the performance of this Contract.

11. claims for damages related to contractual liability.

12. claims for damages related to independent contractors, if any are used in the performance of this Contract.

B. The policies of insurance required by this Paragraph 5.04 shall:

1. with respect to insurance required by Paragraphs 5.04.A.3 through ~~5.04.A.6~~ 5.04.A.12 inclusive, include as additional insured (subject to any customary exclusion regarding professional liability) Owner and Engineer, and any other individuals or entities identified in ~~the Supplementary Conditions~~ Article 5, all of whom shall be listed as additional insureds, and include coverage for the respective officers, directors, partners, employees, agents, consultants and subcontractors of each and any of all such additional insureds, and the insurance afforded to these additional insureds shall provide primary coverage for all claims covered thereby;

a. City of Durham must be named additional insured, and an original of the endorsement to effect the coverage must be attached to the certificate (if by blanket endorsement, then agent may so indicate in the General Liability section of the certificate, in lieu of an original endorsement).

2. include at least the specific coverages and be written for not less than the limits of liability provided in ~~the Supplementary Conditions~~ Article 5 or required by Laws or Regulations, whichever is greater;

3. include completed operations insurance;

4. include contractual liability insurance covering Contractor's indemnity obligations under Paragraphs 6.11 and 6.20;

5. contain a provision or endorsement that the coverage afforded will not be canceled, materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other additional insured identified in ~~the Supplementary Conditions~~ Article 5 to whom a certificate

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of insurance has been issued (and the certificates of insurance furnished by the Contractor pursuant to Paragraph 5.03 will so provide);

6. remain in effect at least until final payment and at all times thereafter when Contractor may be correcting, removing, or replacing defective Work in accordance with Paragraph 13.07; and

7. with respect to completed operations insurance, and any insurance coverage written on a claims-made basis, remain in effect for at least two years after final payment.

a. Contractor shall furnish Owner and each other additional insured identified in ~~the Supplementary Conditions~~ Article 5, to whom a certificate of insurance has been issued, evidence satisfactory to Owner and any such additional insured of continuation of such insurance at final payment and one year thereafter.

8. have a combined single limit and aggregate limit as stipulated in the Agreement, Paragraph 1.10.H.3.

9. be provided by companies authorized to do business in the State of North Carolina.

10. be provided by companies with Best rating A-VIII. Anything less requires written approval from the Owner.

C. In the event that claims in excess of the insured amounts provided herein are filed by reason of any operations under the Contract, the amount of excess of such claims, or any portion thereof, may be withheld from payment due or to become due the Contractor until such time as the Contractor shall furnish such additional security covering such claims as may be determined by the Owner.

D. All policies and certificates of insurance of the Contractor shall contain the following clauses:

1. Insurers shall have no right of recovery or subrogation against the Owner and its agents and agencies and the Engineer, it being the intention of the parties that the insurance policies so affected shall protect both parties and be primary coverage for any and all losses covered by the above described insurance.

2. The clause "other insurance provisions" in a policy in which the Owner and its agents and agencies and the Engineer is named as an insured, shall not apply to these parties.

3. The insurance companies issuing the policy or policies shall have no recourse against the Owner and its agents and agencies and the Engineer, for the payment of any premiums or for assessments under any form of policy.

4. Any and all deductibles in the above described insurance policies shall be assumed by and be for the amount of, and at the sole risk of the Contractor.

E. Contractor shall purchase and maintain professional liability covering architects and engineers employed or engaged by Contractor covering claim arising out of work in connection with this Contract.

1. Self-insured retentions/deductibles shall be as stipulated in the Agreement, Paragraph 1.10.H.4.

2. Combined single limit of insurance shall be as stipulated in the Agreement, Paragraph 1.10.H.5.

3. This insurance shall be maintained for six (6) years following the date of completion of the Work under this Contract.

F. Contractor shall cause each Subcontractor employed by the Contractor to purchase and maintain insurance of such types specified above. Valid certificates of insurance consistent with requirements of Article 5 shall be obtained by the Contractor and forwarded to the City prior to Contractor's use of Subcontractors in the performance of any aspect of this Contract.

~~5.05 *Owner's Liability Insurance*~~

~~A. In addition to the insurance required to be provided by Contractor under Paragraph 5.04, Owner, at Owner's option, may purchase and maintain at Owner's expense Owner's own liability insurance as will protect Owner against claims which may arise from operations under the Contract Documents.~~

~~5.06 *Property Insurance*~~

~~A. Unless otherwise provided in the Supplementary Conditions, Owner shall purchase and maintain property insurance upon the Work at the Site in the amount of the full replacement cost thereof (subject to such deductible amounts as may be provided in the Supplementary Conditions or required by Laws and Regulations). This insurance shall:~~

~~1. include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as an insured or additional insured;~~

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~~2. be written on a Builder's Risk "all-risk" or open-peril or special causes of loss policy form that shall at least include insurance for physical loss or damage to the Work, temporary buildings, false work, and materials and equipment in transit, and shall insure against at least the following perils or causes of loss: fire, lightning, extended coverage, theft, vandalism and malicious mischief, earthquake, collapse, debris removal, demolition occasioned by enforcement of Laws and Regulations, water damage, (other than caused by flood) and such other perils or causes of loss as may be specifically required by the Supplementary Conditions;~~

~~3. include expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers and architects);~~

~~4. cover materials and equipment stored at the Site or at another location that was agreed to in writing by Owner prior to being incorporated in the Work, provided that such materials and equipment have been included in an Application for Payment recommended by Engineer;~~

~~5. allow for partial utilization of the Work by Owner;~~

~~6. include testing and startup; and~~

~~7. be maintained in effect until final payment is made unless otherwise agreed to in writing by Owner, Contractor, and Engineer with 30 days written notice to each other additional insured to whom a certificate of insurance has been issued.~~

~~B. Owner shall purchase and maintain such boiler and machinery insurance or additional property insurance as may be required by the Supplementary Conditions or Laws and Regulations which will include the interests of Owner, Contractor, Subcontractors, and Engineer, and any other individuals or entities identified in the Supplementary Conditions, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them, each of whom is deemed to have an insurable interest and shall be listed as an insured or additional insured.~~

~~C. All the policies of insurance (and the certificates or other evidence thereof) required to be purchased and maintained in accordance with Paragraph 5.06 will contain a provision or endorsement that the coverage afforded will not be canceled or materially changed or renewal refused until at least 30 days prior written notice has been given to Owner and Contractor and to each other additional insured to whom a certificate of insurance has been issued and will contain waiver provisions in accordance with Paragraph 5.07.~~

~~D. Owner shall not be responsible for purchasing and maintaining any property insurance specified in this Paragraph 5.06 to protect the interests of Contractor, Subcontractors, or others in the Work to the extent of any deductible amounts that are identified in the Supplementary Conditions. The risk of loss within such identified deductible amount will be borne by Contractor, Subcontractors, or others suffering any such loss, and if any of them wishes property insurance coverage within the limits of such amounts, each may purchase and maintain it at the purchaser's own expense.~~

~~E. If Contractor requests in writing that other special insurance be included in the property insurance policies provided under Paragraph 5.06, Owner shall, if possible, include such insurance, and the cost thereof will be charged to Contractor by appropriate Change Order. Prior to commencement of the Work at the Site, Owner shall in writing advise Contractor whether or not such other insurance has been procured by Owner.~~

~~5.07 *Waiver of Rights*~~

~~A. Owner and Contractor intend that all policies purchased in accordance with Paragraph 5.06 will protect Owner, Contractor, Subcontractors, and Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) in such policies and will provide primary coverage for all losses and damages caused by the perils or causes of loss covered thereby. All such policies shall contain provisions to the effect that in the event of payment of any loss or damage the insurers will have no rights of recovery against any of the insureds or additional insureds thereunder. Owner and Contractor waive all rights against each other and their respective officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them for all losses and damages caused by, arising out of or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work; and, in addition, waive all such rights against Subcontractors, and Engineer, and all other individuals or entities identified in the Supplementary Conditions to be listed as insured or additional insured (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) under such policies for losses and damages so caused. None of the above waivers shall extend to the rights that any party making such waiver may have to the proceeds of insurance held by Owner as trustee or otherwise payable under any policy so issued.~~

~~B. Owner waives all rights against Contractor, Subcontractors, and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them for:~~

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~~1. loss due to business interruption, loss of use, or other consequential loss extending beyond direct physical loss or damage to Owner's property or the Work caused by, arising out of, or resulting from fire or other perils whether or not insured by Owner; and~~

~~2. loss or damage to the completed Project or part thereof caused by, arising out of, or resulting from fire or other insured peril or cause of loss covered by any property insurance maintained on the completed Project or part thereof by Owner during partial utilization pursuant to Paragraph 14.05, after Substantial Completion pursuant to Paragraph 14.04, or after final payment pursuant to Paragraph 14.07.~~

~~C. Any insurance policy maintained by Owner covering any loss, damage or consequential loss referred to in Paragraph 5.07.B shall contain provisions to the effect that in the event of payment of any such loss, damage, or consequential loss, the insurers will have no rights of recovery against Contractor, Subcontractors, or Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them.~~

~~5.08 *Receipt and Application of Insurance Proceeds*~~

~~A. Any insured loss under the policies of insurance required by Paragraph 5.06 will be adjusted with Owner and made payable to Owner as fiduciary for the insureds, as their interests may appear, subject to the requirements of any applicable mortgage clause and of Paragraph 5.08.B. Owner shall deposit in a separate account any money so received and shall distribute it in accordance with such agreement as the parties in interest may reach. If no other special agreement is reached, the damaged Work shall be repaired or replaced, the moneys so received applied on account thereof, and the Work and the cost thereof covered by an appropriate Change Order.~~

~~B. Owner as fiduciary shall have power to adjust and settle any loss with the insurers unless one of the parties in interest shall object in writing within 15 days after the occurrence of loss to Owner's exercise of this power. If such objection be made, Owner as fiduciary shall make settlement with the insurers in accordance with such agreement as the parties in interest may reach. If no such agreement among the parties in interest is reached, Owner as fiduciary shall adjust and settle the loss with the insurers and, if required in writing by any party in interest, Owner as fiduciary shall give bond for the proper performance of such duties.~~

5.09 *Acceptance of Bonds and Insurance; Option to Replace*

A. If either Owner or Contractor has any objection to the coverage afforded by or other provisions of the bonds or insurance required to be purchased and maintained by the other party in accordance with Article 5 on the basis of non-conformance with the Contract Documents, the objecting party shall so notify the other party in writing within 10 days after receipt of the certificates (or other evidence requested) required by Paragraph 2.01.B, but failure to give such notice does not waive any rights. Owner and Contractor shall each provide to the other such additional information in respect of insurance provided as the other may reasonably request. If either party does not purchase or maintain all of the bonds and insurance required of such party by the Contract Documents, such party shall notify the other party in writing of such failure to purchase prior to the start of the Work, or of such failure to maintain prior to any change in the required coverage. Without prejudice to any other right or remedy, the other party may elect to obtain equivalent bonds or insurance to protect such other party's interests at the expense of the party who was required to provide such coverage, and a Change Order shall be issued to adjust the Contract Price accordingly.

~~5.10 *Partial Utilization, Acknowledgment of Property Insurer*~~

~~A. If Owner finds it necessary to occupy or use a portion or portions of the Work prior to Substantial Completion of all the Work as provided in Paragraph 14.05, no such use or occupancy shall commence before the insurers providing the property insurance pursuant to Paragraph 5.06 have acknowledged notice thereof and in writing effected any changes in coverage necessitated thereby. The insurers providing the property insurance shall consent by endorsement on the policy or policies, but the property insurance shall not be canceled or permitted to lapse on account of any such partial use or occupancy.~~

ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

6.01 *Supervision and Superintendence*

A. Contractor shall supervise, inspect, and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction. Contractor shall not be responsible for the negligence of Owner or Engineer in the design or specification of a specific means, method, technique, sequence, or procedure of construction which is shown or indicated in and expressly required by the Contract Documents.

B. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who shall not be replaced without written notice to Owner and Engineer except under extraordinary circumstances. The superintendent will be Contractor's representative at the Site and shall have authority to act on behalf of Contractor. All communications given to or

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received from the superintendent shall be binding on Contractor.

C. Except as otherwise provided in the Contract Documents or when direct communications have been specially authorized, Owner and Contractor shall communicate through Engineer. Communications by and with Engineer's consultants shall be through Engineer.

6.02 *Labor; Working Hours*

A. Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. Contractor shall at all times maintain good discipline and order at the Site.

B. Except as otherwise required for the safety or protection of persons or the Work or property at the Site or adjacent thereto, and except as otherwise stated in the Contract Documents, all Work at the Site shall be performed during regular working hours. Contractor will not permit the performance of Work on a Saturday, Sunday, or any legal holiday without Owner's written consent (which will not be unreasonably withheld) given after prior written notice to Engineer.

6.03 *Services, Materials, and Equipment*

A. Unless otherwise specified in the Contract Documents, Contractor shall provide and assume full responsibility for all services, materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities, and all other facilities and incidentals necessary for the performance, testing, start-up, and completion of the Work.

B. All materials and equipment incorporated into the Work shall be as specified or, if not specified, shall be of good quality and new, except as otherwise provided in the Contract Documents. All special warranties and guarantees required by the Specifications shall expressly run to the benefit of Owner. If required by Engineer, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind, and quality of materials and equipment. Engineer may reject any material and equipment delivered to the Site without the approval of satisfactory evidence required by the Contract Documents.

C. All materials and equipment shall be stored, applied, installed, connected, erected, protected, used, cleaned, and conditioned in accordance with instructions of the applicable Supplier, except as otherwise may be provided in the Contract Documents.

6.04 *Progress Schedule*

A. Contractor shall adhere to the Progress Schedule established in accordance with Paragraph 2.07 as it may be adjusted from time to time as provided below.

1. Contractor shall submit to Engineer for acceptance (to the extent indicated in Paragraph 2.07) proposed adjustments in the Progress Schedule that will not result in changing the Contract Times. Such adjustments will comply with any provisions of the General Requirements applicable thereto.

2. Proposed adjustments in the Progress Schedule that will change the Contract Times shall be submitted in accordance with the requirements of Article 12. Adjustments in Contract Times may only be made by a Change Order.

6.05 *Substitutes and "Or-Equals"*

A. Whenever an item of material or equipment is specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the specification or description is intended to establish the type, function, appearance, and quality required. Unless the specification or description contains or is followed by words reading that no like, equivalent, or "or-equal" item or no substitution is permitted, other items of material or equipment or material or equipment of other Suppliers may be submitted to Engineer for review under the circumstances described below.

1. *"Or-Equal" Items:* If in Engineer's sole discretion an item of material or equipment proposed by Contractor is functionally equal to that named and sufficiently similar so that no change in related Work will be required, it may be considered by Engineer as an "or-equal" item, in which case review and approval of the proposed item may, in Engineer's sole discretion, be accomplished without compliance with some or all of the requirements for approval of proposed substitute items. For the purposes of this Paragraph 6.05.A.1, a proposed item of material or equipment will be considered functionally equal to an item so named if:

a. in the exercise of reasonable judgment Engineer determines that:

1) it is at least equal in materials of construction, quality, durability, appearance, strength, and design characteristics;

2) it will reliably perform at least equally well the function and achieve the results imposed by the design concept of the completed Project as a functioning whole,

3) it has a proven record of performance and availability of responsive service; and

b. Contractor certifies that, if approved and incorporated into the Work:

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1) there will be no increase in cost to the Owner or increase in Contract Times, and

2) it will conform substantially to the detailed requirements of the item named in the Contract Documents.

2. Substitute Items

a. If in Engineer's sole discretion an item of material or equipment proposed by Contractor does not qualify as an "or-equal" item under Paragraph 6.05.A.1, it will be considered a proposed substitute item.

b. Contractor shall submit sufficient information as provided below to allow Engineer to determine that the item of material or equipment proposed is essentially equivalent to that named and an acceptable substitute therefor. Requests for review of proposed substitute items of material or equipment will not be accepted by Engineer from anyone other than Contractor.

c. The requirements for review by Engineer will be as set forth in Paragraph 6.05.A.2.d, as supplemented in the General Requirements and as Engineer may decide is appropriate under the circumstances.

d. Contractor shall make written application to Engineer for review of a proposed substitute item of material or equipment that Contractor seeks to furnish or use. The application:

1) shall certify that the proposed substitute item will:

a) perform adequately the functions and achieve the results called for by the general design,

b) be similar in substance to that specified, and

c) be suited to the same use as that specified;

2) will state:

a) the extent, if any, to which the use of the proposed substitute item will prejudice Contractor's achievement of Substantial Completion on time;

b) whether or not use of the proposed substitute item in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with Owner for other work on the Project) to adapt the design to the proposed substitute item; and

c) whether or not incorporation or use of the proposed substitute item in connection with the Work is subject to payment of any license fee or royalty;

3) will identify:

a) all variations of the proposed substitute item from that specified, and

b) available engineering, sales, maintenance, repair, and replacement services;

4) and shall contain an itemized estimate of all costs or credits that will result directly or indirectly from use of such substitute item, including costs of redesign and claims of other contractors affected by any resulting change,

B. *Substitute Construction Methods or Procedures:* If a specific means, method, technique, sequence, or procedure of construction is expressly required by the Contract Documents, Contractor may furnish or utilize a substitute means, method, technique, sequence, or procedure of construction approved by Engineer. Contractor shall submit sufficient information to allow Engineer, in Engineer's sole discretion, to determine that the substitute proposed is equivalent to that expressly called for by the Contract Documents. The requirements for review by Engineer will be similar to those provided in Paragraph 6.05.A.2. The procedure for payment of expenses shall be similar to that provided in Paragraph 6.05.A.1.b.1.

C. *Engineer's Evaluation:* Engineer will be allowed a reasonable time within which to evaluate each proposal or submittal made pursuant to Paragraphs 6.05.A and 6.05.B. Engineer may require Contractor to furnish additional data about the proposed substitute item. Engineer will be the sole judge of acceptability. No "or equal" or substitute will be ordered, installed or utilized until Engineer's review is complete, which will be evidenced by either a Change Order for a substitute or an approved Shop Drawing for an "or equal." Engineer will advise Contractor in writing of any negative determination.

D. *Special Guarantee:* Owner may require Contractor to furnish at Contractor's expense a special performance guarantee or other surety with respect to any substitute.

E. *Engineer's Cost Reimbursement*: Engineer will record Engineer's costs in evaluating and implementing a substitute proposed or submitted by Contractor pursuant to Paragraphs 6.05.A.2 and 6.05.B

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Whether or not Engineer approves a substitute item so proposed or submitted by Contractor, Contractor shall reimburse Owner for the charges of Engineer for evaluating and implementing each such proposed substitute. Contractor shall also reimburse Owner for the charges of Engineer for making changes in the Contract Documents (or in the provisions of any other direct contract with Owner) resulting from the acceptance of each proposed substitute.

F. *Contractor's Expense*: Contractor shall provide all data in support of any proposed substitute or "or-equal" at Contractor's expense.

G. Any materials and equipment required to be approved by the Engineer that is installed on the Project without such approval is subject to removal, disposal, and replacement by the Contractor at Contractor's expense.

6.06 *Concerning Subcontractors, Suppliers, and Others*

A. Contractor shall not employ any Subcontractor, Supplier, or other individual or entity (including those acceptable to Owner as indicated in Paragraph 6.06.B), whether initially or as a replacement, against whom Owner may have reasonable objection. Contractor shall not be required to employ any Subcontractor, Supplier, or other individual or entity to furnish or perform any of the Work against whom Contractor has reasonable objection. However, if the Contract Documents specify any item, process, or the like that is available only from an Subcontractor or Supplier against whom Contractor has an objection, the preceding sentence does not apply as to that particular Subcontractor or Supplier.

B. If ~~the Supplementary Conditions~~ Article 6 requires the identity of certain Subcontractors, Suppliers, or other individuals or entities to be submitted to Owner in advance for acceptance by Owner by a specified date prior to the Effective Date of the Agreement, and if Contractor has submitted a list thereof in accordance with ~~the Supplementary Conditions~~ Article 6, Owner's acceptance (either in writing or by failing to make written objection thereto by the date indicated for acceptance or objection in the Bidding Documents or the Contract Documents) of any such Subcontractor, Supplier, or other individual or entity so identified may be revoked on the basis of reasonable objection after due investigation. Contractor shall submit an acceptable replacement for the rejected Subcontractor, Supplier, or other individual or entity, and the Contract Price will be adjusted by the difference in the cost occasioned by such replacement, and an appropriate Change Order will be issued. No acceptance by Owner of any such Subcontractor, Supplier, or other individual or entity, whether initially or as a replacement, shall constitute a waiver of any right of Owner or Engineer to reject defective Work.

C. Contractor shall be fully responsible to Owner and Engineer for all acts and omissions of the Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work just as Contractor is responsible for Contractor's own acts and omissions. Nothing in the Contract Documents:

1. shall create for the benefit of any such Subcontractor, Supplier, or other individual or entity any contractual relationship between Owner or Engineer and any such Subcontractor, Supplier or other individual or entity, nor

2. shall anything in the Contract Documents create any obligation on the part of Owner or Engineer to pay or to see to the payment of any moneys due any such Subcontractor, Supplier, or other individual or entity except as may otherwise be required by Laws and Regulations.

D. Contractor shall be solely responsible for scheduling and coordinating the Work of Subcontractors, Suppliers, and other individuals or entities performing or furnishing any of the Work under a direct or indirect contract with Contractor.

E. Contractor shall require all Subcontractors, Suppliers, and such other individuals or entities performing or furnishing any of the Work to communicate with Engineer through Contractor.

F. The divisions and sections of the Specifications and the identifications of any Drawings shall not control Contractor in dividing the Work among Subcontractors or Suppliers or delineating the Work to be performed by any specific trade.

G. All Work performed for Contractor by a Subcontractor or Supplier will be pursuant to an appropriate written agreement between Contractor and the Subcontractor or Supplier which specifically binds the Subcontractor or Supplier to the applicable terms and conditions of the Contract Documents for the benefit of Owner and Engineer. ~~Whenever any such agreement is with a Subcontractor or Supplier who is listed as an additional insured on the property insurance provided in Paragraph 5.06, the agreement between the Contractor and the Subcontractor or Supplier will contain provisions whereby the Subcontractor or Supplier waives all rights against Owner, Contractor, and Engineer,, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them) for all losses and damages caused by, arising out of, relating to, or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work. If the insurers on any such policies require separate waiver forms to be signed by any Subcontractor or Supplier, Contractor will obtain the same.~~ Where appropriate, Contractor shall require

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each Subcontractor or Supplier to enter into similar agreements with persons and firms that Subcontractor or Supplier has contracted with for any part of the Work.

H. *Furnishing Subcontractor Documents:* At any time after the Agreement is executed, whether or not notice of termination has been given, Contractor shall upon request of the Owner promptly give the Owner a copy of the entire text of all agreements, (including attachments and exhibits) with Subcontractors, together with all other documents by which any services, materials, equipment, or other goods were ordered by the Contractor, including documents showing the cost, delivery dates, and all terms and conditions (including those relating to ordering and canceling).

I. *Partial Requirements of Subcontracts:* All subcontracts shall include substantially the following Paragraphs 6.06.I.1 and 6.06.I.2. Upon Owner's request, Contractor shall demonstrate compliance with this Paragraph.

1. Paragraph 6.06.G of the General Conditions of the Construction Contract between Owner (City of Durham) and Contractor is incorporated by reference into this subcontract. To the extent of the Work to be performed by the Subcontractor, the rights of Owner and Engineer under the Owner-Contractor Agreement with respect to the Work to be performed by the Subcontractor are preserved and shall be protected so that subcontracting shall not prejudice those rights. Owner (City of Durham) is an intended third party beneficiary of this subcontract.

2. If Contractor is terminated by Owner, and even if Contractor defaults in such a way which would give the Subcontractor the right to terminate this subcontract, the Subcontractor hereby agrees that, upon written request (by Owner, or a contractor substituted in place of the original Contractor, or any surety obligated under bond relating to the Owner-Contractor Agreement), the Subcontractor will continue to perform its obligations under this subcontract (on the same terms and conditions as apply to this subcontract) for and on account of Owner, such substitute contractor, or the surety. If requested by Owner or surety, the Subcontractor shall execute a separate document to show its commitment to continue performance pursuant to this subcontract. Assignment is subject to the prior rights of the surety. Owner shall be responsible to the subcontractor only for those obligations of Contractor that accrue after Owner exercises any rights under this Paragraph.

J. The Contractor shall comply with all applicable provisions of Sections 18-50 through 18-54 of the City of Durham Code (Ordinance to Promote Equal Business Opportunities in City Contracting), as amended from time to time. Failure of Contractor to comply with these provisions shall be a material breach of Contract which may result in the rescission or termination of Contract and/or appropriate remedies in accordance with the provisions of the ordinance, Contract, and State law. Section 18-59(f) of the ordinance provides, in part, "If the City Manager determines that the Contractor has failed to comply with the provisions of the Contract, the City Manager shall notify the Contractor in writing of the deficiencies. The Contractor shall have fourteen (14) days, or such time as specified in the Contract, to cure the deficiencies or establish that there are no deficiencies. If the deficiencies are not cured, the City shall have the right to take all lawful actions." These provisions apply only to alleged Contractor violations of Sections 18-50 through 18-54 of the City Code.

K. The Contractor shall meet all City of Durham requirements for affirmative action and Small Disadvantaged Business Enterprises (SDBE) participation. These requirements are detailed in Appendix A, SDBE Requirements and Construction Forms.

1. The Contractor shall submit form E-105 "Statement of Intent to Perform as Subcontractor" within five (5) days of the Bid opening for each Subcontractor intended to be counted towards the SDBE goals of the Contract.

2. All questions regarding SDBE documents or requirements may be directed to the City of Durham, Department of Equal Opportunity/Equity Assurance at (919) 560-4180.

L. A Privilege License for all Subcontractors shall be filed within five (5) days after the Bid opening. The Contractor and all Subcontractors shall obtain a City of Durham Privilege License from the Department of Finance, Treasury Management Division, located at 101 City Hall Plaza, Durham, North Carolina, (919) 560-4700.

M. The City of Durham or Engineer may furnish to any Subcontractor or Supplier, to the extent practicable, information about amounts paid to Contractor on account of Work performed for Contractor by a particular Subcontractor or Supplier.

6.07 *Patent Fees and Royalties*

A. Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights, trade secrets, proprietary information, or copyrights held by others, whether or not a particular invention, design, process, Product, or device is specified in the Contract Documents for use in the performance of the Work, and whether or not Engineer, or Owner, or the consultants, contractors, agents, and employees of either of them are aware of such patent rights, trade secrets, proprietary information, and copyrights. ~~If a particular invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if to the actual~~

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~~knowledge of Owner or Engineer its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights shall be disclosed by Owner in the Contract Documents.~~

~~B. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents.~~

6.08 *Permits*

A. Unless otherwise provided in~~ the Supplementary Conditions~~ Article 6, Contractor shall obtain and pay for all construction permits and licenses. Owner shall assist Contractor, when necessary, in obtaining such permits and licenses. Contractor shall pay all governmental charges and inspection fees necessary for the prosecution of the Work which are applicable at the time of opening of Bids, or, if there are no Bids, on the Effective Date of the Agreement. Owner shall pay all charges of utility owners for connections for providing permanent service to the Work.

6.09 *Laws and Regulations*

A. Contractor shall give all notices required by and shall comply with all Laws and Regulations applicable to the performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither Owner nor Engineer shall be responsible for monitoring Contractor's compliance with any Laws or Regulations.

B. If Contractor performs any Work knowing or having reason to know that it is contrary to Laws or Regulations, Contractor shall bear all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such Work. ~~However, it shall not be Contractor's primary responsibility to make certain that the Specifications and Drawings are in accordance with Laws and Regulations, but this shall not relieve Contractor of Contractor's obligations under Paragraph 3.03.~~

C. Changes in Laws or Regulations not known at the time of opening of Bids (or, on the Effective Date of the Agreement if there were no Bids) having an effect on the cost or time of performance of the Work shall be the subject of an adjustment in Contract Price or Contract Times. If Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

6.10 *Taxes*

A. Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by Contractor in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

B. The Contractor will be reimbursed for all North Carolina Sales and Use Tax paid during any preceding month, at the time the monthly estimate is paid, provided they submit a sworn notarized statement itemizing the tax, showing each amount and to whom paid, and certifying that the articles purchased were used in Work performed for the City of Durham. State tax and County tax must be separated. Group amounts by County and provide a subtotal for each County. Amounts for items purchased outside of Durham County and delivered on-Site shall be grouped by County. One copy of all receipts/invoices must be provided for these amounts.

C. Reimbursable sales taxes as described below are to be excluded from unit prices.

1. Sales taxes are reimbursable if they were originally paid on purchases of building materials, fixtures, and equipment that become part of or annexed to any building or structure that is owned or leased by the City of Durham and is being erected, altered, or repaired for use by the City of Durham. Infrastructure (streets, sidewalks, sewer pipes, and water lines, etc.) is generally held to be "structure" so as to allow reimbursement for sales taxes paid on materials and fixtures that become a part of or are annexed to it. Examples of sales taxes that cannot be reimbursed include those paid for purchases such as scaffolding, tools, equipment repair parts, equipment rentals, forms for concrete, or fuel to operate machinery or equipment.

E. The Contractor may seek reimbursement at the same time as, or subsequent to, the Application for Payment is made for the properties that were taxed. The Contractor shall not file for reimbursement for sales taxes before the Contractor has the right to file an Application for Payment for properties that were taxed.

F. Sales taxes paid by Subcontractors should be detailed on the form "Reimbursable Sales and Use Tax Statement by Subcontractor" (see Appendix H). The Subcontractor completes and signs the form and provides the form to the Contractor. The Contractor submits all sales tax forms with the Contractor's pay application for the properties listed on that form. The City of Durham will make the reimbursement payable to the Contractor.

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Except for the differences listed above, the answers to all questions on this page still apply whether the Subcontractor or the Contractor completes and signs the form.

G. Contractor shall include all requests for reimbursement of North Carolina Sales and Use with Applications for Payment. No Sales or Use taxes shall be reimbursed to the Contractor after Owner issues final payment.

6.11 *Use of Site and Other Areas*

A. Limitation on Use of Site and Other Areas

1. Contractor shall confine construction equipment, the storage of materials and equipment, and the operations of workers to the Site and other areas permitted by Laws and Regulations, and shall not unreasonably encumber the Site and other areas with construction equipment or other materials or equipment. Contractor shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof, or of any adjacent land or areas resulting from the performance of the Work.

2. Should any claim be made by any such owner or occupant because of the performance of the Work, Contractor shall promptly settle with such other party by negotiation or otherwise resolve the claim by arbitration or other dispute resolution proceeding or at law.

~~3. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any claim or action, legal or equitable, brought by any such owner or occupant against Owner, Engineer, or any other party indemnified hereunder to the extent caused by or based upon Contractor's performance of the Work.~~

3. As used in this Paragraph 6.11, 'occupant' includes any person, firm, or corporation, whether present as a licensee, invitee, lessee, or sublessee of any tier or level.

B. *Removal of Debris During Performance of the Work:* During the progress of the Work Contractor shall keep the Site and other areas free from accumulations of waste materials, rubbish, and other debris. Removal and disposal of such waste materials, rubbish, and other debris shall conform to applicable Laws and Regulations.

C. *Cleaning:* Prior to Substantial Completion of the Work Contractor shall clean the Site and the Work and make it ready for utilization by Owner. At the completion of the Work Contractor shall remove from the Site all tools, appliances, construction equipment and machinery, and surplus materials and shall restore to original condition all property not designated for alteration by the Contract Documents.

D. *Loading Structures:* Contractor shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall Contractor subject any part of the Work or adjacent property to stresses or pressures that will endanger ~~it~~ the Work or adjacent property.

E. Where the Site is located on private property, Contractor shall take special care to restore the Site after construction is completed. All costs for this private property restoration shall be included in itemized unit prices. Restoration may include, but is not limited to, returning the Site to its original condition. Additional effort may be required to restore the Site. The Engineer or Resident Project Representative shall determine whether a Site has been adequately restored.

6.12 *Record Documents*

A. Contractor shall maintain in a safe place at the Site one record copy of all Drawings, Specifications, Addenda, Change Orders, Work Change Directives, Field Orders, and written interpretations and clarifications in good order and annotated to show changes made during construction. These record documents together with all approved Samples and a counterpart of all approved Shop Drawings will be available to Engineer for reference. Upon completion of the Work, these record documents, Samples, and Shop Drawings will be delivered to Engineer for Owner.

6.13 *Safety and Protection*

A. Contractor shall be solely responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:

1. all persons on the Site or who may be affected by the Work;

2. all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and

3. other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction.

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B. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection. Contractor shall notify owners of adjacent property and of Underground Facilities and other utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property.

C. All damage, injury, or loss to any property referred to in Paragraph 6.13.A.2 or 6.13.A.3 caused, directly or indirectly, in whole or in part, by Contractor, any Subcontractor, Supplier, or any other individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, shall be remedied by Contractor (except damage or loss attributable to the fault of Drawings or Specifications or to the acts or omissions of Owner or Engineer or , or anyone employed by any of them, or anyone for whose acts any of them may be liable, and not attributable, directly or indirectly, in whole or in part, to the fault or negligence of Contractor or any Subcontractor, Supplier, or other individual or entity directly or indirectly employed by any of them).

D. Contractor's duties and responsibilities for safety and for protection of the Work shall continue until such time as all the Work is completed and Engineer has issued a notice to Owner and Contractor in accordance with Paragraph 14.07.B that the Work is acceptable (except as otherwise expressly provided in connection with Substantial Completion).

E. *Existing Utilities*

1. The City of Durham and Engineer have, to the best of their ability, shown the existing utilities and obstructions (water, sewer, electrical, gas, telephone, storm drainage, etc.) that may affect the Work. City of Durham Water & Sewer Construction Specifications require that Contractor shall, at Contractor's expense, locate all existing utilities that may be encountered during the Work. Contractor shall make every effort to avoid damage or disruption of services during the Work.

2. Contractor shall contact the North Carolina One Call Center to coordinate existing utility location prior to commencement of any Work.

a. North Carolina One Call Center, (800) 632-4949, www.ncocc.org.

6.14 *Safety Representative*

A. Contractor shall designate a qualified and experienced safety representative at the Site whose duties and responsibilities shall be the prevention of accidents and the maintaining and supervising of safety precautions and programs.

6.15 *Hazard Communication Programs*

A. Contractor shall be responsible for coordinating any exchange of material safety data sheets or other hazard communication information required to be made available to or exchanged between or among employers at the Site in accordance with Laws or Regulations.

6.16 *Emergencies*

A. In emergencies affecting the safety or protection of persons or the Work or property at the Site or adjacent thereto, Contractor is obligated to act to prevent threatened damage, injury, or loss. Contractor shall give Engineer prompt written notice if Contractor believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby or are required as a result thereof. If Engineer determines that a change in the Contract Documents is required because of the action taken by Contractor in response to such an emergency, a Work Change Directive or Change Order will be issued. Contractor shall promptly report in writing to Owner and Engineer all accidents or incidents arising out of or in connection with the Work which cause death, personal injury, or property damage, giving full details and statements of any witnesses. In addition, if death, serious personal injury, or serious property damage is caused, Contractor shall report the accident or incident immediately by telephone or messenger to Owner and Engineer. Contractor shall give Owner and Engineer reasonable advance notice before using or placing explosives or other hazardous materials or equipment on the Site.

6.17 *Shop Drawings and Samples*

A. Contractor shall submit Shop Drawings and Samples to Engineer for review and approval in accordance with the acceptable Schedule of Submittals (as required by Paragraph 2.07). Each submittal will be identified as Engineer may require.

1. Shop Drawings

a. Submit number of copies specified in the General Requirements.

b. Data shown on the Shop Drawings will be complete with respect to quantities, dimensions, specified performance and design criteria, materials, and similar data to show Engineer the services, materials, and equipment Contractor proposes to provide and to enable Engineer to review the information for the limited purposes required by Paragraph 6.17.D.

2. *Samples:* Contractor shall also submit Samples to Engineer for review and approval in accor-

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dance with the acceptable schedule of Shop Drawings and Sample submittals.

a. Submit number of Samples specified in the Specifications.

b. Clearly identify each Sample as to material, Supplier, pertinent data such as catalog numbers, the use for which intended and other data as Engineer may require to enable Engineer to review the submittal for the limited purposes required by Paragraph 6.17.D.

B. Where a Shop Drawing or Sample is required by the Contract Documents or the Schedule of Submittals , any related Work performed prior to Engineer's review and approval of the pertinent submittal will be at the sole expense and responsibility of Contractor.

C. Submittal Procedures

1. Before submitting each Shop Drawing or Sample, Contractor shall have determined and verified:

a. all field measurements, quantities, dimensions, specified performance and design criteria, installation requirements, materials, catalog numbers, and similar information with respect thereto;

b. the suitability of all materials with respect to intended use, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work;

c. all information relative to Contractor's responsibilities for means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto; and

d. shall also have reviewed and coordinated each Shop Drawing or Sample with other Shop Drawings and Samples and with the requirements of the Work and the Contract Documents.

2. Each submittal shall bear a stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review and approval of that submittal.

3. With each submittal, Contractor shall give Engineer specific written notice of any variations, that the Shop Drawing or Sample may have from the requirements of the Contract Documents. This notice shall be both a written communication separate from the Shop Drawing's or Sample Submittal; and, in addition, by a prominent specific notation made on each Shop Drawing or Sample submitted to Engineer for review and approval of each such variation.

D. Engineer's Review

1. Engineer will provide timely review of Shop Drawings and Samples in accordance with the Schedule of Submittals acceptable to Engineer. Engineer's review and approval will be only to determine if the items covered by the submittals will, after installation or incorporation in the Work, conform to the information given in the Contract Documents and be compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents.

2. Engineer's review and approval will not extend to means, methods, techniques, sequences, or procedures of construction (except where a particular means, method, technique, sequence, or procedure of construction is specifically and expressly called for by the Contract Documents) or to safety precautions or programs incident thereto. The review and approval of a separate item as such will not indicate approval of the assembly in which the item functions.

3. Engineer's review and approval shall not relieve Contractor from responsibility for any variation from the requirements of the Contract Documents unless Contractor has complied with the requirements of Paragraph 6.17.C.3 and Engineer has given written approval of each such variation by specific written notation thereof incorporated in or accompanying the Shop Drawing or Sample. Engineer's review and approval shall not relieve Contractor from responsibility for complying with the requirements of Paragraph 6.17.C.1.

E. Resubmittal Procedures

1. Contractor shall make corrections required by Engineer and shall return the required number of corrected copies of Shop Drawings and submit, as required, new Samples for review and approval. Contractor shall prominently direct specific attention in writing to revisions other than the corrections called for by Engineer on previous submittals.

6.18 *Continuing the Work*

A. Contractor shall carry on the Work and adhere to the Progress Schedule during all disputes or disagreements with Owner, whether or not a Claim is pending. No Work shall be delayed or postponed pending resolution of any disputes or disagreements, whether or not a Claim is pending, except as permitted by Paragraph 15.04 or as Owner and Contractor may otherwise agree in writing.

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6.19 *Contractor's General Warranty and Guarantee*

A. Contractor warrants and guarantees to Owner that all Work will be in accordance with the Contract Documents and will not be defective. Engineer and its Related Entities shall be entitled to rely on representation of Contractor's warranty and guarantee.

B. Contractor's warranty and guarantee hereunder excludes defects or damage caused by:

1. abuse, modification, or improper maintenance or operation by persons other than Contractor, Subcontractors, Suppliers, or any other individual or entity for whom Contractor is responsible; or

2. normal wear and tear under normal usage.

C. Contractor's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. None of the following will constitute an acceptance of Work that is not in accordance with the Contract Documents or a release of Contractor's obligation to perform the Work in accordance with the Contract Documents:

1. observations by Engineer;

2. recommendation by Engineer or payment by Owner of any progress or final payment;

3. the issuance of a certificate of Substantial Completion by Engineer or any payment related thereto by Owner;

4. use or occupancy of the Work or any part thereof by Owner;

5. any review and approval of a Shop Drawing or Sample submittal or the issuance of a notice of acceptability by Engineer;

6. any inspection, test, or approval by others; or

7. any correction of defective Work by Owner.

6.20 *Indemnification*

~~A. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless Owner and Engineer, and the officers, directors, partners, employees, agents, consultants and subcontractors of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to the performance of the Work, provided that any such claim, cost, loss, or damage is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property (other than the Work itself), including the loss of use resulting therefrom but only to the extent caused by any negligent act or omission of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work or anyone for whose acts any of them may be liable.~~

A. To the maximum extent allowed by Laws and Regulations, Contractor shall defend, indemnify, and save harmless Indemnities from and against all Charges that arise in any manner from, in connection with, or out of, performance of the Work as a result of acts or omissions of Contractor, any Subcontractor, any Supplier, or any person or organization directly or indirectly employed by any of them or any entity for whose acts any of them may be liable. In performing its duties under this Paragraph 6.20.A, Contractor shall at its sole expense defend Indemnitees with legal counsel reasonably acceptable to Owner.

~~B. In any and all claims against Owner or Engineer or any of their respective consultants, agents, officers, directors, partners, or employees by any employee (or the survivor or personal representative of such employee) of Contractor, any Subcontractor, any Supplier, or any individual or entity directly or indirectly employed by any of them to perform any of the Work, or anyone for whose acts any of them may be liable, the indemnification obligation under Paragraph 6.20.A shall not be limited in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for Contractor or any such Subcontractor, Supplier, or other individual or entity under workers' compensation acts, disability benefit acts, or other employee benefit acts.~~

B. *Definitions:* As used in Paragraph 6.20.A above and Paragraphs 6.20.C and 6.20.D below:

1. 'Charges' means claims, judgments, costs, damages, losses, demands, liabilities, obligations, fines, penalties, royalties, settlements, and expenses. Included within 'Charges' are:

a. interest and reasonable attorneys' fees assessed as part of any such item;

b. amounts for alleged violations of sedimentation pollution or other environmental or pollution laws and regulations -- including any such alleged violation that arises out of the handling, transportation, deposit, or delivery of the items or materials that are involved in performance of the Work;

c. amounts related to Hazardous Environmental Conditions; and

d. amounts related to alleged infringement of patent rights, trade secrets, proprietary information, or copyrights.

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2. 'Indemnitees' means Owner and Engineer and the officers, officials, independent contractors, agents, and employees of Owner and Engineer, but does not include Contractor.

~~C. The indemnification obligations of Contractor under Paragraph 6.20.A shall not extend to the liability of Engineer and Engineer's officers, directors, partners, employees, agents, consultants and subcontractors arising out of:~~

~~1. the preparation or approval of, or the failure to prepare or approve, maps, Drawings, opinions, reports, surveys, Change Orders, designs, or Specifications; or~~

~~2. giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage.~~

C. *Limitations of Contractor's Obligation:* Neither Paragraph 6.20.A nor any other provision of the Contract Documents shall be construed to require Contractor to indemnify or hold harmless Indemnitees against liability for damages arising out of bodily injury to persons or damage to property proximately caused by or resulting from the negligence, in whole or in part, of Indemnitees.

D. Nothing in Paragraphs 6.20.A, 6.20.B, or 6.20.C shall affect any warranties in favor of the Owner. This Paragraph 6.20.D is in addition to, and Paragraphs 6.20.A and 6.20.B above shall be construed separately from, any other indemnification provisions that may be in the Contract Documents. This Paragraph 6.20 shall remain in force despite termination of this Agreement (whether by expiration of the term or otherwise) and termination of the services of the Contractor under this Contract, but this sentence does not imply that other provisions in the Contract Documents do not survive termination.

6.21 *Delegation of Professional Design Services*

A. Contractor will not be required to provide professional design services unless such services are specifically required by the Contract Documents for a portion of the Work or unless such services are required to carry out Contractor's responsibilities for construction means, methods, techniques, sequences and procedures. Contractor shall not be required to provide professional services in violation of applicable law.

B. If professional design services or certifications by a design professional related to systems, materials or equipment are specifically required of Contractor by the Contract Documents, Owner and Engineer will specify all performance and design criteria that such services must satisfy. Contractor shall cause such services or certifications to be provided by a properly licensed professional, whose signature and seal shall appear on all drawings, calculations, specifications, certifications, Shop Drawings and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to Engineer.

C. Owner and Engineer shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications or approvals performed by such design professionals, provided Owner and Engineer have specified to Contractor all performance and design criteria that such services must satisfy.

D. Pursuant to this Paragraph 6.21, Engineer's review and approval of design calculations and design drawings will be only for the limited purpose of checking for conformance with performance and design criteria given and the design concept expressed in the Contract Documents. Engineer's review and approval of Shop Drawings and other submittals (except design calculations and design drawings) will be only for the purpose stated in Paragraph 6.17.D.1.

E. Contractor shall not be responsible for the adequacy of the performance or design criteria required by the Contract Documents.

ARTICLE 7 - OTHER WORK AT THE SITE

7.01 *Related Work at Site*

~~A. Owner may perform other work related to the Project at the Site with Owner's employees, or via other direct contracts therefor, or have other work performed by utility owners. If such other work is not noted in the Contract Documents, then:~~

~~1. written notice thereof will be given to Contractor prior to starting any such other work; and~~

~~2. if Owner and Contractor are unable to agree on entitlement to or on the amount or extent, if any, of any adjustment in the Contract Price or Contract Times that should be allowed as a result of such other work, a Claim may be made therefor as provided in Paragraph 10.05.~~

A. Owner may perform other work at or affecting the Site by Owner's own forces or let other direct contracts therefor, or have other work performed at or affecting the Site by utility owners.

B. Contractor shall afford each other contractor who is a party to such a direct contract, each utility owner and Owner, if Owner is performing other work with Owner's employees, proper and safe access to the Site, a reasonable opportunity for the introduction and storage of

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materials and equipment and the execution of such other work, and shall properly coordinate the Work with theirs. Contractor shall do all cutting, fitting, and patching of the Work that may be required to properly connect or otherwise make its several parts come together and properly integrate with such other work. Contractor shall not endanger any work of others by cutting, excavating, or otherwise altering their work and will only cut or alter their work with the written consent of Engineer and the others whose work will be affected. The duties and responsibilities of Contractor under this Paragraph are for the benefit of such utility owners and other contractors to the extent that there are comparable provisions for the benefit of Contractor in said direct contracts between Owner and such utility owners and other contractors.

C. If the proper execution or results of any part of Contractor's Work depends upon work performed by others under this Article 7, Contractor shall inspect such other work and promptly report to Engineer in writing any delays, defects, or deficiencies in such other work that render it unavailable or unsuitable for the proper execution and results of Contractor's Work. Contractor's failure to so report will constitute an acceptance of such other work as fit and proper for integration with Contractor's Work except for latent defects and deficiencies not reasonably discoverable by said inspection in such other work.

7.02 *Coordination*

A. If Owner intends to contract with others for the performance of other work on the Project at the Site, the following will be set forth in ~~Supplementary Conditions~~ Article 7:

1. the individual or entity who will have authority and responsibility for coordination of the activities among the various contractors will be identified;

2. the specific matters to be covered by such authority and responsibility will be itemized; and

3. the extent of such authority and responsibilities will be provided.

B. Unless otherwise provided in ~~the Supplementary Conditions~~ Article 7, Owner shall have sole authority and responsibility for such coordination.

7.03 *Legal Relationships*

A. Paragraphs 7.01.A and 7.02 are not applicable for utilities not under the control of Owner.

B. Each other direct contract of Owner under Paragraph 7.01.A shall provide that the other contractor is liable to Owner and Contractor for the reasonable direct delay and disruption costs incurred by Contractor as a result of the other contractor's actions or inactions.

C. Contractor shall be liable to Owner and any other contractor for the reasonable direct delay and disruption costs incurred by such other contractor as a result of Contractor's action or inactions.

7.04 *Other Work*

A. The Agreement, Paragraph 1.10.H.3, stipulates any other work on the Site at the time of Notice to Proceed known to the City of Durham and the Engineer.

ARTICLE 8 - OWNER'S RESPONSIBILITIES

~~8.01 *Communications to Contractor*~~

~~A. Except as otherwise provided in these General Conditions, Owner shall issue all communications to Contractor through Engineer.~~

8.02 *Replacement of Engineer*

~~A. In case of termination of the employment of Engineer, Owner shall appoint an engineer to whom Contractor makes no reasonable objection, whose status under the Contract Documents shall be that of the former Engineer.~~

A. If Owner appoints a substitute Engineer, the substitute Engineer shall have the same status under the Contract Documents as the former Engineer.

8.03 *Furnish Data*

A. Owner shall promptly furnish the data required of Owner under the Contract Documents.

8.04 *Pay When Due*

A. Owner shall make payments to Contractor when they are due as provided in Paragraphs 14.02.C and 14.07.C.

8.05 *Lands and Easements; Reports and Tests*

A. Owner's duties in respect of providing lands and easements and providing engineering surveys to establish reference points are set forth in Paragraphs 4.01 and 4.05. Paragraph 4.02 refers to Owner's identifying and making available to Contractor copies of reports of explorations and tests of subsurface conditions and drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site that have been utilized by Engineer in preparing the Contract Documents.

8.06 *Insurance*

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A. Owner's responsibilities, if any, in respect to purchasing and maintaining liability and property insurance are set forth in Article 5.

8.07 *Change Orders*

A. Owner is obligated to execute Change Orders as indicated in Paragraph 10.03.

8.08 *Inspections, Tests, and Approvals*

A. Owner's responsibility in respect to certain inspections, tests, and approvals is set forth in Paragraph 13.03.B.

8.09 *Limitations on Owner's Responsibilities*

A. The Owner shall not supervise, direct, or have control or authority over, nor be responsible for, Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Owner will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

8.10 *Undisclosed Hazardous Environmental Condition*

A. Owner's responsibility in respect to an undisclosed Hazardous Environmental Condition is set forth in Paragraph 4.06.

8.11 *Evidence of Financial Arrangements*

A. If and to the extent Owner has agreed to furnish Contractor reasonable evidence that financial arrangements have been made to satisfy Owner's obligations under the Contract Documents, Owner's responsibility in respect thereof will be as set forth in ~~the Supplementary Conditions~~ Article 8.

ARTICLE 9 - ENGINEER'S STATUS DURING CONSTRUCTION

9.01 *Owner's Representative*

A. Engineer will be Owner's representative during the construction period. The duties and responsibilities and the limitations of authority of Engineer as Owner's representative during construction are set forth in the Contract Documents and will not be changed without written consent of Owner and Engineer. The action of the Engineer in performance of these duties shall not be construed to make the Engineer the agent for the Owner with respect to changes in the Cost or the Work or changes in the Contract Documents.

9.02 *Visits to Site*

A. Engineer will make visits to the Site at intervals appropriate to the various stages of construction as Engineer deems necessary in order to observe as an experienced and qualified design professional the progress that has been made and the quality of the various aspects of Contractor's executed Work. Based on information obtained during such visits and observations, Engineer, for the benefit of Owner, will determine, in general, if the Work is proceeding in accordance with the Contract Documents. Engineer will not be required to make exhaustive or continuous inspections on the Site to check the quality or quantity of the Work. Engineer's efforts will be directed toward providing for Owner a greater degree of confidence that the completed Work will conform generally to the Contract Documents. On the basis of such visits and observations, Engineer will keep Owner informed of the progress of the Work and will endeavor to guard Owner against defective Work.

B. Engineer's visits and observations are subject to all the limitations on Engineer's authority and responsibility set forth in Paragraph 9.09. Particularly, but without limitation, during or as a result of Engineer's visits or observations of Contractor's Work Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work.

9.03 *Project Representative*

A. If Owner and Engineer agree, Engineer will furnish a Resident Project Representative to assist Engineer in providing more extensive observation of the Work. The authority and responsibilities of any such Resident Project Representative and assistants will be as provided in ~~the Supplementary Conditions~~ Article 9, and limitations on the responsibilities thereof will be as provided in Paragraph 9.09. If Owner designates another representative or agent to represent Owner at the Site who is not Engineer's consultant, agent or employee, the responsibilities and authority and limitations thereon of such other individual or entity will be as provided in ~~the Supplementary Conditions~~ Article 9.

B. The Resident Project Representative will serve as Engineer's liaison with Contractor, working principally through Contractor's Superintendent to assist such Superintendent in understanding the intent of the Contract Documents.

C. The Resident Project Representative shall have the following authority, to the extent that Engineer has such authority: to conduct on-site observations of the Work in progress to confirm that it is proceeding in accordance with the Contract Documents; to verify that

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tests, equipment, and systems start-ups and maintenance instructions are conducted as required by the Contract Documents; and to disapprove and reject defective Work in accordance with the Contract Documents, including Article 13. No approval, inspection, failure to reject, or other action or failure to act by the Resident Project Representative shall reduce or waive Owner's right to non-defective Work that meets the requirements of the Contract Documents.

D. Except upon written instructions of Engineer and Owner, the Resident Project Representative shall not:

1. authorize any deviation from the Contract Documents or approve any substitute materials or equipment;

2. exceed limitations of Engineer's authority as set forth in the Contract Documents;

3. undertake any of the responsibilities of Contractor, Subcontractors, or Contractor's Superintendent, or expedite the Work;

4. advise on or issue directions relative to any aspect of the means, methods, sequences, techniques, or procedures of construction unless such is specifically called for in the Contract; or

5. advise on or issue directions as to safety precautions and programs in connection with the Work.

E. Paragraph 9.03.D shall not be construed to expand the Resident Project Representative's authority.

9.04 *Authorized Variations in Work*

A. Engineer may authorize minor variations in the Work from the requirements of the Contract Documents which do not involve an adjustment in the Contract Price or the Contract Times and are compatible with the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. These may be accomplished by a Field Order and will be binding on Owner and also on Contractor, who shall perform the Work involved promptly. If Owner or Contractor believes that a Field Order justifies an adjustment in the Contract Price or Contract Times, or both, and the parties are unable to agree on entitlement to or on the amount or extent, if any, of any such adjustment, a Claim may be made therefor as provided in Paragraph 10.05.

9.05 *Rejecting Defective Work*

A. Engineer will have authority to reject Work which Engineer believes to be defective, or that Engineer believes will not produce a completed Project that conforms to the Contract Documents or that will prejudice the integrity of the design concept of the completed Project as a functioning whole as indicated by the Contract Documents. Engineer will also have authority to require special inspection or testing of the Work as provided in Paragraph 13.04, whether or not the Work is fabricated, installed, or completed.

9.06 *Shop Drawings, Change Orders and Payments*

A. In connection with Engineer's authority, and limitations thereof, as to Shop Drawings and Samples, see Paragraph 6.17.

B. In connection with Engineer's authority, and limitations thereof, as to design calculations and design drawings submitted in response to a delegation of professional design services, if any, see Paragraph 6.21.

C. In connection with Engineer's authority as to Change Orders, see Articles 10, 11, and 12.

D. In connection with Engineer's authority as to Applications for Payment, see Article 14.

9.07 *Determinations for Unit Price Work*

A. Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. Engineer will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon Owner and Contractor, subject to the provisions of Paragraph 10.05.

9.08 *Decisions on Requirements of Contract Documents and Acceptability of Work*

A. Engineer will be the initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the Work thereunder. All matters in question and other matters between Owner and Contractor arising prior to the date final payment is due relating to the acceptability of the Work, and the interpretation of the requirements of the Contract Documents pertaining to the performance of the Work, will be referred initially to Engineer in writing within 30 days of the event giving rise to the question

B. Engineer will, with reasonable promptness, render a written decision on the issue referred. If Owner or Contractor believe that any such decision entitles them to an adjustment in the Contract Price or Contract Times or both, a Claim may be made under Paragraph 10.05. The date of Engineer's decision shall be the date of the event giving rise to the issues referenced for the purposes of Paragraph 10.05.B.

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C. Engineer's written decision on the issue referred will be final and binding on Owner and Contractor, subject to the provisions of Paragraph 10.05.

D. When functioning as interpreter and judge under this Paragraph 9.08, Engineer will not show partiality to Owner or Contractor and will not be liable in connection with any interpretation or decision rendered in good faith in such capacity.

9.09 *Limitations on Engineer's Authority and Responsibilities*

A. Neither Engineer's authority or responsibility under this Article 9 or under any other provision of the Contract Documents nor any decision made by Engineer in good faith either to exercise or not exercise such authority or responsibility or the undertaking, exercise, or performance of any authority or responsibility by Engineer shall create, impose, or give rise to any duty in contract, tort, or otherwise owed by Engineer to Contractor, any Subcontractor, any Supplier, any other individual or entity, or to any surety for or employee or agent of any of them.

B. Engineer will not supervise, direct, control, or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the performance of the Work. Engineer will not be responsible for Contractor's failure to perform the Work in accordance with the Contract Documents.

C. Engineer will not be responsible for the acts or omissions of Contractor or of any Subcontractor, any Supplier, or of any other individual or entity performing any of the Work.

D. Engineer's review of the final Application for Payment and accompanying documentation and all maintenance and operating instructions, schedules, guarantees, bonds, certificates of inspection, tests and approvals, and other documentation required to be delivered by Paragraph 14.07.A will only be to determine generally that their content complies with the requirements of, and in the case of certificates of inspections, tests, and approvals that the results certified indicate compliance with the Contract Documents.

E. The limitations upon authority and responsibility set forth in this Paragraph 9.09 shall also apply to, the Resident Project Representative, if any, and assistants, if any.

ARTICLE 10 - CHANGES IN THE WORK; CLAIMS

10.01 *Authorized Changes in the Work*

A. Without invalidating the Contract and without notice to any surety, Owner may, at any time or from time to time, order additions, deletions, or revisions in the Work by a Change Order, or a Work Change Directive. Upon receipt of any such document, Contractor shall promptly proceed with the Work involved which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).

B. If Owner and Contractor are unable to agree on entitlement to, or on the amount or extent, if any, of an adjustment in the Contract Price or Contract Times, or both, that should be allowed as a result of a Work Change Directive, a Claim may be made therefor as provided in Paragraph 10.05.

C. The Owner reserves the right to add to the original scope of Unit Price Work of the Contract upon the same terms and at the same unit prices included in the Agreement for all unit item additions, provided that such additions shall not result in an increase of more than fifty percent (50%) of the original Contract Price. The Contractor may be entitled to an extension in the Contract Times with the addition of Unit Price Work.

D. The Contractor shall perform emergency Work as required by the City of Durham. In such instances, the Engineer or Resident Project Representative shall give written notice to the Contractor for each instance of emergency Work. The Contractor shall perform all emergency Work within seventy-two (72) hours of the written notice. The City may perform (or engage another contractor to perform) emergency Work, at the Contractor's expense, if the Contractor fails to perform emergency Work within the time limit. If the City performs (or engages another contractor to perform) the following conditions apply:

1. if emergency Work is not a Unit Price Work item, the City shall charge all costs and expenses of the emergency Work, plus the City's then-current overhead charge to the Contractor and deduct those amounts from any money due to Contractor on the then-current or then-future Applications for Payment; and

2. if the emergency Work is a Unit Price Work Item, the City will charge all applicable emergency Work unit costs, plus an administrative and overhead charge of one hundred dollars ($100.00) per instance to the Contractor and deduct those amounts from any money due to Contractor on the then-current or then-future Applications for Payment.

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10.02 *Unauthorized Changes in the Work*

A. Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract Times with respect to any work performed that is not required by the Contract Documents as amended, modified, or supplemented as provided in the Contract Documents, including Paragraph 3.04, except in the case of an emergency as provided in Paragraph 6.16 or in the case of uncovering Work as provided in Paragraph 13.04.B.

10.03 *Execution of Change Orders*

A. Owner and Contractor shall execute appropriate Change Orders recommended by Engineer covering:

1. changes in the Work which are: (i) ordered by Owner pursuant to Paragraph 10.01.A, (ii) required because of acceptance of defective Work under Paragraph 13.08.A or Owner's correction of defective Work under Paragraph 13.09, or (iii) agreed to by the parties;

2. changes in the Contract Price or Contract Times which are agreed to by the parties, including any undisputed sum or amount of time for Work actually performed in accordance with a Work Change Directive; and

3. changes in the Contract Price or Contract Times which embody the substance of any written decision rendered by Engineer pursuant to Paragraph 10.05; provided that, in lieu of executing any such Change Order, an appeal may be taken from any such decision in accordance with the provisions of the Contract Documents and applicable Laws and Regulations, but during any such appeal, Contractor shall carry on the Work and adhere to the Progress Schedule as provided in Paragraph 6.18.A.

10.04 *Notification to Surety*

A. If notice of any change affecting the general scope of the Work or the provisions of the Contract Documents (including, but not limited to, Contract Price or Contract Times) is required by the provisions of any bond to be given to a surety, the giving of any such notice will be Contractor's responsibility. The amount of each applicable bond will be adjusted to reflect the effect of any such change.

10.05 *Claims*

A. *Engineer's Decision Required*: All Claims, except those waived pursuant to Paragraph 14.09, shall be referred to the Engineer for decision. A decision by Engineer shall be required as a condition precedent to any exercise by Owner or Contractor of any rights or remedies either may otherwise have under the Contract Documents or by Laws and Regulations in respect of such Claims.

B. *Notice:* Written notice stating the general nature of each Claim, shall be delivered by the claimant to Engineer and the other party to the Contract promptly (but in no event later than 30 days) after the start of the event giving rise thereto. The responsibility to substantiate a Claim shall rest with the party making the Claim. Notice of the amount or extent of the Claim, with supporting data shall be delivered to the Engineer and the other party to the Contract within 60 days after the start of such event (unless Engineer or Owner allows additional time for claimant to submit additional or more accurate data in support of such Claim). A Claim for an adjustment in Contract Price shall be prepared in accordance with the provisions of Paragraph 12.01.B. A Claim for an adjustment in Contract Time shall be prepared in accordance with the provisions of Paragraph 12.02.B. Each Claim shall be accompanied by claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant believes it is entitled as a result of said event. The opposing party shall submit any response to Engineer and the claimant within 30 days after receipt of the claimant's last submittal (unless Engineer or Owner allows additional time).

C. *Engineer's Action*: Engineer will review each Claim and, within 30 days after receipt of the last submittal of the claimant or the last submittal of the opposing party, if any, take one of the following actions in writing:

1. deny the Claim in whole or in part,

2. approve the Claim, or

3. notify the parties that the Engineer is unable to resolve the Claim if, in the Engineer's sole discretion, it would be inappropriate for the Engineer to do so. For purposes of further resolution of the Claim, such notice shall be deemed a denial.

D. In the event that Engineer does not take action on a Claim within said 30 days, the Claim shall be deemed denied.

E. Engineer's written action under Paragraph 10.05.C or denial pursuant to Paragraphs 10.05.C.3 or 10.05.D will be final and binding upon Owner and Contractor, unless Owner or Contractor:

1. invokes the dispute resolution procedure set forth in Article 16 within 30 days of such action or denial, or

2. if the dispute resolution procedures set forth in Article 16 are not invoked and the appealing party institutes a formal proceeding, within 30 days of such action or denial, in a forum of competent jurisdiction (allowed under the Contract) to exercise such rights or remedies as the appealing party may have with respect to the Engineer's decision, unless otherwise agreed in writing by Owner and Contractor. The City Manager has

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authority to enter into a written agreement extending the time period during which either party may institute such a formal proceeding.

F. No Claim for an adjustment in Contract Price or Contract Times will be valid if not submitted in accordance with this Paragraph 10.05.

G. *Mitigation of Damages:* Once a party recognizes that it has grounds for a Claim, dispute, or other matter that may be submitted to Engineer (whether or not it may also be submitted to the other party), it shall use its best efforts to furnish Engineer and the other party, as expeditiously as possible, with notice of the potential Claim, dispute, or other matter. The potential claimant shall cooperate with Engineer and the party against whom the potential Claim, dispute, or other matter may be made in an effort to mitigate damages, delay, and other adverse consequences arising out of the condition which is the cause of the potential claim, dispute, or other matter. This duty to mitigate continues after the notice of Claim, dispute, or other matter is actually delivered.

H. These requirements, including as to time, are of the essence of the Contract Documents. No course of conduct or dealings between the parties, no express or implied acceptance of alterations or additions to the Work, and no assertion that the Owner has been unjustly enriched by any alteration or addition to the Work shall be the basis for any Claim to an increase in the Contract Price. In addition, all of Paragraphs 9.08.C and 9.08.D shall apply to those claims.

10.06 *Change Orders*

A. Unless the Contract Documents or the Change Order provides otherwise, agreement on any Change Order shall constitute a final settlement of all matters relating to the change in the Work which is the subject of the Change Order, including all direct and indirect costs associated with such change and any and all adjustments to the Contract Price and the construction schedule. If a Change Order increases the Contract Price, Contractor shall include the Work covered by such Change Orders in Applications for Payment.

ARTICLE 11 - COST OF THE WORK; ALLOWANCES; UNIT PRICE WORK

11.01 *Cost of the Work*

A. *Costs Included:* The term Cost of the Work means the sum of all costs, except those excluded in Paragraph 11.01.B, necessarily incurred and paid by Contractor in the proper performance of the Work. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, the costs to be reimbursed to Contractor will be only those additional or incremental costs required because of the change in the Work or because of the event giving rise to the Claim. Except as otherwise may be agreed to in writing by Owner, such costs shall be in amounts no higher than those prevailing in the locality of the Project, shall include only the following items, and shall not include any of the costs itemized in Paragraph 11.01.B.

1. Payroll costs for employees in the direct employ of Contractor in the performance of the Work under schedules of job classifications agreed upon by Owner and Contractor. Such employees shall include, without limitation, superintendents, foremen, and other personnel employed full time at the Site. Payroll costs for employees not employed full time on the Work shall be apportioned on the basis of their time spent on the Work. Payroll costs shall include, but not be limited to, salaries and wages plus the cost of fringe benefits, which shall include social security contributions, unemployment, excise, and payroll taxes, workers' compensation, health and retirement benefits, bonuses, sick leave, vacation and holiday pay applicable thereto. The expenses of overtime or of performing Work outside of regular working hours, on Saturday, Sunday, or legal holidays, shall be included in the above to the extent authorized by Owner.

2. Cost of all materials and equipment furnished and incorporated in the Work, including costs of transportation and storage thereof, and Suppliers' field services required in connection therewith. All cash discounts shall accrue to Contractor unless Owner deposits funds with Contractor with which to make payments, in which case the cash discounts shall accrue to Owner. All trade discounts, rebates and refunds and returns from sale of surplus materials and equipment shall accrue to Owner, and Contractor shall make provisions so that they may be obtained.

3. Payments made by Contractor to Subcontractors for Work performed by Subcontractors. If required by Owner, Contractor shall obtain competitive bids from subcontractors acceptable to Owner and Contractor and shall deliver such bids to Owner, who will then determine, with the advice of Engineer, which bids, if any, will be acceptable. If any subcontract provides that the Subcontractor is to be paid on the basis of Cost of the Work plus a fee, the Subcontractor's Cost of the Work and fee shall be determined in the same manner as Contractor's Cost of the Work and fee as provided in this Paragraph 11.01.

~~4. Costs of special consultants (including but not limited to Engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed for services specifically related to the Work.~~

5. Supplemental costs including the following:

~~a. The proportion of necessary transportation, travel, and subsistence expenses of Contractor's~~

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~~employees incurred in discharge of duties connected with the Work.~~

b. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office, and temporary facilities at the Site, and hand tools not owned by the workers, which are consumed in the performance of the Work, and cost, less market value, of such items used but not consumed which remain the property of Contractor.

c. Rentals of all construction equipment and machinery, and the parts thereof whether rented from Contractor or others in accordance with rental agreements approved by Owner with the advice of Engineer, and the costs of transportation, loading, unloading, assembly, dismantling, and removal thereof. All such costs shall be in accordance with the terms of said rental agreements. These rates shall include all fuel, lubricants, insurance, etc. Equipment rental charges shall not exceed the prorated monthly rental rates listed in the edition of the 'Compilation of Rental Rates for Construction Equipment', as published by the Associated Equipment Distributors, which is current when the equipment rental begins. Charges per hour shall be determined by dividing the monthly rates by 176. The rental of any such equipment, machinery, or parts shall cease when the use thereof is no longer necessary for the Work.

d. Sales, consumer, use, and other similar taxes related to the Work, and for which Contractor is liable, imposed by Laws and Regulations.

e. Deposits lost for causes other than negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.

~~f. Losses and damages (and related expenses) caused by damage to the Work, not compensated by insurance or otherwise, sustained by Contractor in connection with the performance of the Work (except losses and damages within the deductible amounts of property insurance established in accordance with Paragraph 5.06.D), provided such losses and damages have resulted from causes other than the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses shall include settlements made with the written consent and approval of Owner. No such losses, damages, and expenses shall be included in the Cost of the Work for the purpose of determining Contractor's fee.~~

g. The cost of utilities, fuel, and sanitary facilities at the Site.

~~h. Minor expenses such as telegrams, long distance telephone calls, telephone service at the Site, expresses, and similar petty cash items in connection with the Work.~~

~~i. The costs of premiums for all bonds and insurance Contractor is required by the Contract Documents to purchase and maintain.~~

B. *Costs Excluded:* The term Cost of the Work shall not include any of the following items:

1. Payroll costs and other compensation of Contractor's officers, executives, principals (of partnerships and sole proprietorships), general managers, safety managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expediters, timekeepers, clerks, and other personnel employed by Contractor, whether at the Site or in Contractor's principal or branch office for general administration of the Work and not specifically included in the agreed upon schedule of job classifications referred to in Paragraph 11.01.A.1 or specifically covered by Paragraph 11.01.A.4, all of which are to be considered administrative costs covered by the Contractor's fee.

2. Expenses of Contractor's principal and branch offices other than Contractor's office at the Site.

3. Any part of Contractor's capital expenses, including interest on Contractor's capital employed for the Work and charges against Contractor for delinquent payments.

4. Costs due to the negligence of Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work, disposal of materials or equipment wrongly supplied, and making good any damage to property.

5. Other overhead or general expense costs of any kind and the costs of any item not specifically and expressly included in Paragraphs 11.01.A and 11.01.B.

C. *Contractor's Fee:* When all the Work is performed on the basis of cost-plus, Contractor's fee shall be determined as set forth in the Agreement. When the value of any Work covered by a Change Order or when a Claim for an adjustment in Contract Price is determined on the basis of Cost of the Work, Contractor's fee shall be determined as set forth in Paragraph 12.01.C.

D. *Documentation:* Whenever the Cost of the Work for any purpose is to be determined pursuant to Paragraphs 11.01.A and 11.01.B, Contractor will establish

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and maintain records thereof in accordance with generally accepted accounting and in accordance with Owner's and Engineer's instructions practices and submit in a form acceptable to Engineer an itemized cost breakdown together with supporting data. The Owner and Engineer may specify additional or different requirements in accordance with the preceding sentence, but unless they so specify, the following is required in order to support a determination of cost of Work pursuant to Paragraph 11.01:

1. For costs under Paragraph 11.01.A.1, for each person who worked on the additional Work: a statement showing his or her job title, hourly rate paid or other method of compensation, other amounts described under Paragraph 11.01.A.1 that were paid, and the net change in the number of hours worked attributable to the change in the Work.

2. For costs under Paragraph 11.01.A.2, dated receipts from the Subcontractors and/or Sub-subcontractors. The receipts must acknowledge the Contractor's payment, identify the materials, supplies, equipment and show the name of the Owner's Project.

3. For costs under Paragraph 11.01.A.5.c, dated receipts from the rental the Subcontractors and/or Sub-subcontractors. The receipts must acknowledge the Contractor's payment, identify the machinery and equipment, and show the name of the Owner's Project, the rental rate, and the number of hours, days, miles, or other basis of the charge. If the Contractor supplies the machinery or equipment, the statement must show the rental rate and the number of hours, days, miles, or other basis of the charge, and the rental rate must not exceed the market rental rate.

4. For costs under Paragraph 11.01.A.5.i, written proof of a net change in the amount paid by the Contractor attributable to the change in the Work. For bonds, the proof must include the invoice or statement from the surety or its agent showing that it is attributable to the change in the Work.

11.02 *Allowances*

A. It is understood that Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the Work so covered to be performed for such sums and by such persons or entities as may be acceptable to Owner and Engineer.

B. Cash Allowances

1. Contractor agrees that:

a. the cash allowances include the cost to Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the Site, and all applicable taxes; and

b. Contractor's costs for unloading and handling on the Site, labor, installation , overhead, profit, and other expenses contemplated for the cash allowances have been included in the Contract Price and not in the allowances, and no demand for additional payment on account of any of the foregoing will be valid.

C. Contingency Allowance

1. Contractor agrees that a contingency allowance, if any, is for the sole use of Owner to cover unanticipated costs.

D. Prior to final payment, an appropriate Change Order will be issued as recommended by Engineer to reflect actual amounts due Contractor on account of Work covered by allowances, and the Contract Price shall be correspondingly adjusted.

11.03 *Unit Price Work*

A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement.

B. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. If Owner changes any estimate of quantity before the Agreement is executed, it may substitute the new estimated quantity in those calculations. Determinations of the actual quantities and classifications of Unit Price Work performed by Contractor will be made by Engineer subject to the provisions of Paragraph 9.07.

C. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead, ~~and~~ profit, and cost for coordinating the Work with the City of Durham for each separately identified item.

D. Owner or Contractor may make a Claim for an adjustment in the Contract Price in accordance with Paragraph 10.05 if:

1. the quantity of any item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and

2. there is no corresponding adjustment with respect any other item of Work; and

3. Contractor believes that Contractor is entitled to an increase in Contract Price as a result of having incurred additional expense or Owner believes that Owner

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is entitled to a decrease in Contract Price and the parties are unable to agree as to the amount of any such increase or decrease.

E. Each unit price shall be deemed to include an amount considered by the Contractor to be adequate to cover all construction surveying and existing utility location required to complete the Work as specified, or as directed by the Engineer, for each separately identified item.

F. This Paragraph 11.03.F applies except to the extent if any that the Bidding Documents specify otherwise.

1. Unit prices, if any, shall apply to Work done pursuant to Change Orders and to Work Change Directives.

2. In addition to Paragraph 11.03.F.1, it is agreed:

a. If unit price items are included in the Contract Documents for Work other than Work done pursuant to Change Orders and to Work Change Directives, it is also agreed that the Contract Price was calculated on the assumption that certain estimated quantities of unit price items will be used in the Work. Those estimated quantities are stated in the Contract Documents. The unit price multiplied by the quantity is referred to as the 'extension.'

b. If the actual extension of a unit price item is less than the estimated extension, the Contract Price shall be reduced accordingly.

c. The actual extension of each unit price item shall not exceed the estimated extension for that item unless the Contractor has received advance written approval from the Engineer to exceed the estimated quantity for that item. That approval may be limited in the Engineer's discretion. If that approval is given, the Contract Price shall be adjusted as follows:

1) If the actual quantity of a unit price item is more than the estimated quantity, the Contract Price shall be increased to reflect the difference between the actual and the estimated quantities.

2) If approval is not given, the Contractor shall not be obligated to use the quantity of that unit price item that exceeds the approved quantity, and a Change Order or Work Change Directive shall be executed to reflect the changes in the Work resulting from the actual quantity of the item that is used.

3) If the Contract Documents explicitly and clearly state that no further approval from the Engineer or the Owner is required for the Contractor to exceed the estimated quantity of specified unit price items, then it is agreed that the Contract Price shall be adjusted to reflect the actual quantities of those items without the necessity of further approval.

ARTICLE 12 - CHANGE OF CONTRACT PRICE; CHANGE OF CONTRACT TIMES

12.01 *Change of Contract Price*

A. The Contract Price may only be changed by a Change Order. Any Claim for an adjustment in the Contract Price shall be based on written notice submitted by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.

B. The value of any Work covered by a Change Order or of any Claim for an adjustment in the Contract Price will be determined as follows:

1. where the Work involved is covered by unit prices contained in the Contract Documents, by application of such unit prices to the quantities of the items involved (subject to the provisions of Paragraph 11.03); or

2. where the Work involved is not covered by unit prices contained in the Contract Documents, by a mutually agreed lump sum (which may include an allowance for overhead and profit not necessarily in accordance with Paragraph 12.01.C.2); or

3. where the Work involved is not covered by unit prices contained in the Contract Documents and agreement to a lump sum is not reached under Paragraph 12.01.B.2, on the basis of the Cost of the Work (determined as provided in Paragraph 11.01) plus a Contractor's fee for overhead and profit (determined as provided in Paragraph 12.01.C).

C. *Contractor's Fee:* The Contractor's fee for overhead and profit shall be determined as follows:

1. a mutually acceptable fixed fee; or

2. if a fixed fee is not agreed upon, then a fee based on the following percentages of the various portions of the Cost of the Work:

a. for costs incurred under Paragraphs 11.01.A.1 and 11.01.A.2, the Contractor's fee shall be ~~15 percent~~ ten percent (10%) and shall not be applied to payroll taxes, social security contributions, or unemployment taxes;

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b. for costs incurred under Paragraph 11.01.A.3, the Contractor's fee shall be five percent;

c. where one or more tiers of subcontracts are on the basis of Cost of the Work plus a fee and no fixed fee is agreed upon, the intent of Paragraph 12.01.C.2.a is that the Subcontractor who actually performs the Work, at whatever tier, will be paid a fee of ~~15 percent~~ ten percent (10%) of the costs incurred by such Subcontractor under Paragraphs 11.01.A.1 and 11.01.A.2 (excluding payroll taxes, social security contributions, and unemployment taxes) and that ~~any higher~~ the next higher tier Subcontractor and Contractor will each be paid a fee of five percent of the amount paid to the next lower tier Subcontractor;

d. no fee shall be payable on the basis of costs itemized under Paragraphs 11.01.A.4, 11.01.A.5, and 11.01.B;

e. the amount of credit to be allowed by Contractor to Owner for any change which results in a net decrease in cost will be the amount of the actual net decrease in cost plus a deduction in Contractor's fee by an amount equal to five percent of such net decrease; and

f. when both additions and credits are involved in any one change, the adjustment in Contractor's fee shall be computed on the basis of the net change in accordance with Paragraphs 12.01.C.2.a through 12.01.C.2.e, inclusive.

12.02 *Change of Contract Times*

A. The Contract Times may only be changed by a Change Order. Any Claim for an adjustment in the Contract Times shall be based on written notice submitted by the party making the Claim to the Engineer and the other party to the Contract in accordance with the provisions of Paragraph 10.05.

B. Any adjustment of the Contract Times covered by a Change Order or any Claim for an adjustment in the Contract Times will be determined in accordance with the provisions of this Article 12.

12.03 *Delays*

A. Where Contractor is prevented from completing any part of the Work within the Contract Times due to delay beyond the control of Contractor, the Contract Times will be extended in an amount equal to the time lost due to such delay if a Claim is made therefor as provided in Paragraph 12.02.A. Delays beyond the control of Contractor shall include, but not be limited to, acts or neglect by Owner, acts or neglect of utility owners or other contractors performing other work as contemplated by Article 7, fires, floods, epidemics, abnormal weather conditions, or acts of God. Nothing in Article 12 or any other provision of the Contract Documents is intended to forbid or limit compensable damages for delays caused solely by the Owner or the Owner's agent, and any provision to the contrary shall be construed to comply with this Paragraph 12.03.A. For purposes of this Paragraph 12.03.A, 'Owner' or the 'Owner's agent' does not include prime contractors or subcontractors.

B. If Owner or Owner's agent~~, Engineer, or other contractors or utility owners performing other work for Owner as contemplated by Article 7, or anyone for whom Owner is responsible,~~ delays, disrupts, or interferes with the performance or progress of the Work, then Contractor shall be entitled to an equitable adjustment in the ~~Contract Price or the~~ Contract Times~~, or both~~. Contractor's entitlement to an adjustment of the Contract Times is conditioned on such adjustment being essential to Contractor's ability to complete the Work within the Contract Times.

C If Contractor is delayed in the performance or progress of the Work by fire, flood, epidemic, abnormal weather conditions, acts of God, acts or failures to act of utility owners not under the control of Owner, or other causes not the fault of and beyond control of Owner and Contractor, then Contractor shall be entitled to an equitable adjustment in Contract Times, if such adjustment is essential to Contractor's ability to complete the Work within the Contract Times. Such an adjustment shall be Contractor's sole and exclusive remedy for the delays described in this Paragraph 12.03.C. Except to the extent, if any, that it may otherwise be provided in the Contract Documents, Contractor's sole remedy for any of the following:

1. delay in the commencement, prosecution, or completion of the Work,

2. hindrance or obstruction in the performance of the Work,

3. loss of productivity, or

4. other similar delays and losses (said 1, 2, 3, and 4 being collectively referred to in this Paragraph 12.03 as 'Such Delays').

Whether or not Such Delays are foreseeable, shall be an extension of the Contract Times if permitted and granted under this Article 12. To the extent allowed by the Contract Documents, Contractor shall be entitled to no other compensation or recovery of any damages in connection with any Such Delays, including consequential damages, lost opportunity costs, impact damages, or other similar remuneration. To the extent of conflict, the Contract or Agreement as signed by the Owner and Contractor shall control this Paragraph 12.03.C.

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D. Owner, Engineer and the Related Entities of each of them shall not be liable to Contractor for any claims, costs, losses, or damages (including but not limited to all fees and charges of Engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Contractor on or in connection with any other project or anticipated project.

E. Contractor shall not be entitled to an adjustment in Contract Price or Contract Times for delays within the control of Contractor. Delays attributable to and within the control of a Subcontractor or Supplier shall be deemed to be delays within the control of Contractor.

F. Adjustment of Contract Times for weather related delays shall be as stipulated in the Agreement, Paragraph 1.4.D.

ARTICLE 13 - TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

13.01 *Notice of Defects*

A. Prompt notice of all defective Work of which Owner or Engineer has actual knowledge will be given to Contractor. All defective Work may be rejected, corrected, or accepted as provided in this Article 13.

13.02 *Access to Work*

A. Owner, Engineer, their consultants and other representatives and personnel of Owner, independent testing laboratories, and governmental agencies with jurisdictional interests will have access to the Site and the Work at reasonable times for their observation, inspecting, and testing. Contractor shall provide them proper and safe conditions for such access and advise them of Contractor's Site safety procedures and programs so that they may comply therewith as applicable.

13.03 *Tests and Inspections*

~~A. Contractor shall give Engineer timely notice of readiness of the Work for all required inspections, tests, or approvals and shall cooperate with inspection and testing personnel to facilitate required inspections or tests.~~

A. Contractor shall employ and pay for all inspections and testing services required by the Contract Documents, except those for which the Contract Documents specifically call for Owner to employ and pay.

B. Owner shall employ and pay for the services of an independent testing laboratory to perform ~~all~~ the inspections, tests, or approvals required by the Contract Documents. ~~except:~~

~~1. for inspections, tests, or approvals covered by Paragraphs 13.03.C and 13.03.D below;~~

~~2. that costs incurred in connection with tests or inspections conducted pursuant to Paragraph 13.04.B shall be paid as provided in said Paragraph 13.04.C; and~~

~~3. as otherwise specifically provided in the Contract Documents.~~

C. If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) specifically to be inspected, tested, or approved by an employee or other representative of such public body, Contractor shall assume full responsibility for arranging and obtaining such inspections, tests, or approvals, pay all costs in connection therewith, and furnish Engineer the required certificates of inspection or approval.

D. Contractor shall be responsible for arranging and obtaining and shall pay all costs in connection with any inspections, tests, or approvals required for Owner's and Engineer's acceptance of materials or equipment to be incorporated in the Work; or acceptance of materials, mix designs, or equipment submitted for approval prior to Contractor's purchase thereof for incorporation in the Work. Such inspections, tests, or approvals shall be performed by organizations acceptable to Owner and Engineer.

E. If any Work (or the work of others) that is to be inspected, tested, or approved is covered by Contractor without written concurrence of Engineer, it must, if requested by Engineer, be uncovered for observation.

F. Uncovering Work as provided in Paragraph 13.03.E shall be at Contractor's expense unless Contractor has given Engineer timely notice of Contractor's intention to cover the same and Engineer has not acted with reasonable promptness in response to such notice.

G. The City of Durham may engage an independent consultant for the direct inspection and administration of any or all of the Work to be performed in the Contract. This consultant shall act on the behalf of the City of Durham.

13.04 *Uncovering Work*

A. If any Work is covered contrary to the written request of Engineer, or contrary to the Contract Documents, or before required inspections, tests, or approvals, it must, if requested by Engineer, be uncovered for Engineer's observation and replaced at Contractor's expense.

B. If Engineer considers it necessary or advisable that covered Work be observed by Engineer or inspected or tested by others, Contractor, at Engineer's request,

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shall uncover, expose, or otherwise make available for observation, inspection, or testing as Engineer may require, that portion of the Work in question, furnishing all necessary labor, material, and equipment.

C. If it is found that the uncovered Work is defective, Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such uncovering, exposure, observation, inspection, and testing, and of satisfactory replacement or reconstruction (including but not limited to all costs of repair or replacement of work of others); and Contractor shall not be entitled to any increase in Contract Times because of the time involved in such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction; and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05.

D. If, the uncovered Work is not found to be defective, Contractor shall be allowed an increase in the Contract Price or an extension of the Contract Times, or both, directly attributable to such uncovering, exposure, observation, inspection, testing, replacement, and reconstruction. If the parties are unable to agree as to the amount or extent thereof, Contractor may make a Claim therefor as provided in Paragraph 10.05. However, if such Work had been prematurely covered, the preceding sentence shall not apply, and Contractor shall have no such rights.

13.05 *Owner May Stop the Work*

A. If the Work is defective, or Contractor fails to supply sufficient skilled workers or suitable materials or equipment, or fails to perform the Work in such a way that the completed Work will conform to the Contract Documents, or persistently fails to carry out the Work in accordance with the Contract Documents, or if the Work interferes with the operation of the existing facility, Owner may order Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of Owner to stop the Work shall not give rise to any duty on the part of Owner to exercise this right for the benefit of Contractor, any Subcontractor, any Supplier, any other individual or entity, or any surety for, or employee or agent of any of them.

13.06 *Correction or Removal of Defective Work*

A. Promptly after receipt of notice, Contractor shall correct all defective Work, whether or not fabricated, installed, or completed, or, if the Work has been rejected by Engineer, remove it from the Project and replace it with Work that is not defective. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or removal (including but not limited to all costs of repair or replacement of work of others). Engineer and Owner may reject any defective Work, even if inspected and paid for, except to the extent accepted under Paragraph 13.08. A failure to disapprove or reject such defective Work does not constitute an acceptance.

B. When correcting defective Work under the terms of this Paragraph 13.06 or Paragraph 13.07, Contractor shall take no action that would void or otherwise impair Owner's special warranty and guarantee, if any, on said Work.

13.07 *Correction Period*

A. If within one year after the date of Substantial Completion (or such longer period of time as may be prescribed by the terms of any applicable special guarantee required by the Contract Documents) or by any specific provision of the Contract Documents, any Work is found to be defective, or if the repair of any damages to the land or areas made available for Contractor's use by Owner or permitted by Laws and Regulations as contemplated in Paragraph 6.11.A is found to be defective, Contractor shall promptly (but in any event, commencing within thirty (30) days after receipt of said instructions and proceeding promptly to completion), without cost to Owner and in accordance with Owner's written instructions:

1. repair such defective land or areas; or

2. correct such defective Work; or

3. if the defective Work has been rejected by Owner, remove it from the Project and replace it with Work that is not defective, and

4. satisfactorily correct or repair or remove and replace any damage to other Work, to the work of others or other land or areas resulting therefrom.

B. If Contractor does not promptly (but in any event, commencing within 30 days after receipt of said instructions and proceeding promptly to completion) comply with the terms of Owner's written instructions, or in an emergency where delay would cause serious risk of loss or damage, Owner may have the defective Work corrected or repaired or may have the rejected Work removed and replaced. All claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to such correction or repair or such removal and replacement (including but not limited to all costs of repair or replacement of work of others) will be paid by Contractor.

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C. In special circumstances where a particular item of equipment is placed in continuous service before Substantial Completion of all the Work, the correction period for that item may start to run from an earlier date if so provided in the Specifications. If prior to the date of Substantial Completion, Contractor or any entity for which Contractor is responsible uses or damages any portion of the Work, then Contractor, at no expense to Owner, shall cause such portion, system, device, or item to be restored (whether by replacement, repair, or otherwise) to the condition the item was required to be in, if such use or damage had not occurred. Nothing herein shall reduce the duty of Contractor with respect to such item in order to obtain a final payment.

D. Where defective Work (and damage to other Work resulting therefrom) has been corrected or removed and replaced under this Paragraph 13.07, the correction period hereunder with respect to such Work will be extended for an additional period of one year after such correction or removal and replacement has been satisfactorily completed.

E. Contractor's obligations under this Paragraph 13.07 are in addition to any other obligation or warranty. The provisions of this Paragraph 13.07 shall not be construed as a substitute for or a waiver of the provisions of any applicable statute of limitation or repose.

F. Establishment of the one (1) year periods in this Paragraph 13.07 relates only to the specific obligation of Contractor to take certain actions relating to defective Work and has no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced.

13.08 *Acceptance of Defective Work*

A. If, instead of requiring correction or removal and replacement of defective Work, Owner (and, prior to Engineer's recommendation of final payment, Engineer) prefers to accept it, Owner may do so. Contractor shall pay all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) attributable to Owner's evaluation of and determination to accept such defective Work (such costs to be approved by Engineer as to reasonableness) and the diminished value of the Work to the extent not otherwise paid by Contractor pursuant to this sentence. If any such acceptance occurs prior to Engineer's recommendation of final payment, a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work, and Owner shall be entitled to an appropriate decrease in the Contract Price, reflecting the diminished value of Work so accepted. If the parties are unable to agree as to the amount thereof, Owner may make a Claim therefor as provided in Paragraph 10.05. If the acceptance occurs after such recommendation, an appropriate amount will be paid by Contractor to Owner.

B. An acceptance of defective Work is not effective as an acceptance unless it specifically describes the condition that is defective and contains substantially the following statement: 'The Owner accepts [such condition] despite its being defective.'

13.09 *Owner May Correct Defective Work*

A. If Contractor fails ~~within a reasonable time~~ after written notice from Engineer to correct defective Work or to remove and replace rejected Work as required by Engineer in accordance with Paragraph 13.06.A, or if Contractor fails to perform the Work in accordance with the Contract Documents, or if Contractor fails to comply with any other provision of the Contract Documents, Owner may, after seven days written notice to Contractor, correct or remedy any such deficiency.

B. In exercising the rights and remedies under this Paragraph 13.09, Owner shall proceed expeditiously. In connection with such corrective or remedial action, Owner may exclude Contractor from all or part of the Site, take possession of all or part of the Work and suspend Contractor's services related thereto, take possession of Contractor's tools, appliances, construction equipment and machinery at the Site, and incorporate in the Work some or all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere. Contractor shall allow and provide Owner, Owner's representatives, agents and employees, Owner's other contractors, and Engineer and Engineer's consultants access to the Site and storage locations referred to in the preceding sentence to enable Owner to exercise the rights and remedies under this Paragraph.

C. All claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred or sustained by Owner in exercising the rights and remedies under this Paragraph 13.09 will be charged against Contractor, and a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and Owner shall be entitled to an appropriate decrease in the Contract Price. If the parties are unable to agree as to the amount of the adjustment, Owner may make a Claim therefor as provided in Paragraph 10.05. Such claims, costs, losses and damages will include but not be limited to all costs of repair, or replacement of work of others destroyed or damaged by correction, removal, or replacement of Contractor's defective Work.

D. Contractor shall not be allowed an extension of the Contract Times because of any delay in the performance of the Work attributable to the exercise by

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Owner of Owner's rights and remedies under this Paragraph 13.09.

ARTICLE 14 - PAYMENTS TO CONTRACTOR AND COMPLETION

14.01 *Schedule of Values*

A. The Schedule of Values established as provided in Paragraph 2.07.A will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to Engineer. Progress payments on account of Unit Price Work will be based on the number of units completed.

14.02 *Progress Payments*

A. Applications for Payments

1. At least 20 days before the date established in the Agreement for each progress payment (but not more often than once a month), Contractor shall submit to Engineer for review an Application for Payment filled out and signed by Contractor covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the Site or at another location agreed to in writing, the Application for Payment shall also be accompanied by a bill of sale, invoice, or other documentation warranting that Owner has received the materials and equipment free and clear of all Liens and evidence that the materials and equipment are covered by appropriate property insurance or other arrangements to protect Owner's interest therein including the transportation to the Work Site, all of which must be satisfactory to Owner.

2. Beginning with the second Application for Payment, each Application shall include an affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied on account to discharge Contractor's legitimate obligations associated with prior Applications for Payment.

3. The amount of retainage with respect to progress payments will be as stipulated in the Agreement.

4. Contractor shall submit the Subcontractor Monthly Record of Payment Report form with each Application for Payment, except for the initial and final Application for Payment. The Contractor shall submit the Final Subcontracting Report form with the final Application for Payment. Failure to submit these forms, which are provided in Appendix C, may be a basis for denying payment.

B. *Review of Applications*

1. Engineer will, within 10 days after receipt of each Application for Payment, either indicate in writing a recommendation of payment and present the Application to Owner or return the Application to Contractor indicating in writing Engineer's reasons for refusing to recommend payment. In the latter case, Contractor may make the necessary corrections and resubmit the Application.

2. Engineer's recommendation of any payment requested in an Application for Payment will constitute a representation by Engineer to Owner, based on Engineer's observations on the Site of the executed Work as an experienced and qualified design professional and on Engineer's review of the Application for Payment and the accompanying data and schedules, that to the best of Engineer's knowledge, information and belief:

a. the Work has progressed to the point indicated;

b. the quality of the Work is generally in accordance with the Contract Documents (subject to an evaluation of the Work as a functioning whole prior to or upon Substantial Completion, to the results of any subsequent tests called for in the Contract Documents, to a final determination of quantities and classifications for Unit Price Work under Paragraph 9.07, and to any other qualifications stated in the recommendation); and

c. the conditions precedent to Contractor's being entitled to such payment appear to have been fulfilled in so far as it is Engineer's responsibility to observe the Work.

3. By recommending any such payment Engineer will not thereby be deemed to have represented that:

a. inspections made to check the quality or the quantity of the Work as it has been performed have been exhaustive, extended to every aspect of the Work in progress, or involved detailed inspections of the Work beyond the responsibilities specifically assigned to Engineer in the Contract Documents; or

b. that there may not be other matters or issues between the parties that might entitle Contractor to be paid additionally by Owner or entitle Owner to withhold payment to Contractor.

4. Neither Engineer's review of Contractor's Work for the purposes of recommending payments nor Engineer's recommendation of any payment, including final payment, will impose responsibility on Engineer:

a. to supervise, direct, or control the Work, or

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b. for the means, methods, techniques, sequences, or procedures of construction, or the safety precautions and programs incident thereto, or

c. for Contractor's failure to comply with Laws and Regulations applicable to Contractor's performance of the Work, or

d. to make any examination to ascertain how or for what purposes Contractor has used the moneys paid on account of the Contract Price, or

e. to determine that title to any of the Work, materials, or equipment has passed to Owner free and clear of any Liens.

5. Engineer may refuse to recommend the whole or any part of any payment if, in Engineer's opinion, it would be incorrect to make the representations to Owner stated in Paragraph 14.02.B.2. Engineer may also refuse to recommend any such payment or, because of subsequently discovered evidence or the results of subsequent inspections or tests, revise or revoke any such payment recommendation previously made, to such extent as may be necessary in Engineer's opinion to protect Owner from loss because:

a. ~~the Work is defective~~ any of the Work, whether or not paid for, is defective, except to the extent accepted under Paragraph 13.08, or completed Work has been damaged, requiring correction or replacement;

b. the Contract Price has been reduced by Change Orders;

c. Owner has been required to correct defective Work or complete Work in accordance with Paragraph 13.09; ~~or~~

d. Engineer has actual knowledge of or reasonable grounds to believe in the occurrence of any of the events enumerated in Paragraph 15.02.A.

e. there are reasonable grounds to believe that the Work cannot be completed for the unpaid balance of the Contract Price; or

f. Contractor is anticipated to owe damages or other amounts to Owner.

C. *Payment Becomes Due*

1. ~~Ten~~ Thirty (30) days after presentation of the Application for Payment to Owner with Engineer's recommendation, the amount recommended will (subject to the provisions of Paragraph 14.02.D) become due, and when due will be paid by Owner to Contractor.

D. *Reduction in Payment*

1. Owner may refuse to make payment of the full amount recommended by Engineer because:

a. claims have been made against Owner on account of Contractor's performance or furnishing of the Work;

b. Liens have been filed in connection with the Work, except where Contractor has delivered a specific bond satisfactory to Owner to secure the satisfaction and discharge of such Liens;

c. there are other items entitling Owner to a set-off, including any cost or expense related to defective Work, against the amount recommended; ~~or~~

d. Owner has actual knowledge of or reasonable grounds to believe in the occurrence of any of the events enumerated in Paragraphs 14.02.B.5.a through 14.02.B.5.c or Paragraph 15.02.A.

e. any of the property and casualty insurance requirements enumerated in Article 5 are not complied with at their renewal dates.

f. there are reasonable grounds to believe that the Work cannot be completed for the unpaid balance of the Contract Price; or

g. Contractor is anticipated to owe damages or other amounts to Owner.

2. If Owner refuses to make payment of the full amount recommended by Engineer, Owner will give Contractor immediate written notice (with a copy to Engineer) stating the reasons for such action and promptly pay Contractor any amount remaining after deduction of the amount so withheld. Owner shall promptly pay Contractor the amount so withheld, or any adjustment thereto agreed to by Owner and Contractor, when Contractor corrects to Owner's satisfaction the reasons for such action.

3. If it is subsequently determined that Owner's refusal of payment was not justified, the amount wrongfully withheld, as determined in a competent jurisdiction having binding authority, shall be treated as an amount due as determined by Paragraph 14.02.C.1.

4. Failure of Owner to refuse to make payment does not waive Owner's rights under the Contract Documents.

14.03 *Contractor's Warranty of Title*

A. Contractor warrants and guarantees that title to all Work, materials, and equipment covered by any Application for Payment, whether incorporated in the

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Project or not, will pass to Owner no later than the time of payment free and clear of all Liens.

B. The Application for Payment shall be accompanied by such data, satisfactory to Owner, as will establish Owner's title to the material and equipment and protect his interest therein, including applicable insurance. Each subsequent Application for Payment shall include an Affidavit of Contractor stating that all previous progress payments received on account of the Work have been applied to discharge in full all of Contractor's obligations reflected in prior Applications for Payment.

14.04 *Substantial Completion*

A. When Contractor considers the entire Work ready for its intended use Contractor shall notify Owner and Engineer in writing that the entire Work is substantially complete (except for items specifically listed by Contractor as incomplete) and request that Engineer issue a certificate of Substantial Completion.

B. Promptly after Contractor's notification, Owner, Contractor, and Engineer shall make an inspection of the Work to determine the status of completion. If Engineer does not consider the Work substantially complete, Engineer will notify Contractor in writing giving the reasons therefor.

C. If Engineer considers the Work substantially complete, Engineer will deliver to Owner a tentative certificate of Substantial Completion which shall fix the date of Substantial Completion. There shall be attached to the certificate a tentative list of items to be completed or corrected before final payment. Owner shall have seven days after receipt of the tentative certificate during which to make written objection to Engineer as to any provisions of the certificate or attached list. If, after considering such objections, Engineer concludes that the Work is not substantially complete, Engineer will within 14 days after submission of the tentative certificate to Owner notify Contractor in writing, stating the reasons therefor. If, after consideration of Owner's objections, Engineer considers the Work substantially complete, Engineer will within said 14 days execute and deliver to Owner and Contractor a definitive certificate of Substantial Completion (with a revised tentative list of items to be completed or corrected), including the time within which each of those items shall be completed or corrected, reflecting such changes from the tentative certificate as Engineer believes justified after consideration of any objections from Owner.

D. At the time of delivery of the tentative certificate of Substantial Completion, Engineer will deliver to Owner and Contractor a written recommendation as to division of responsibilities pending final payment between Owner and Contractor with respect to security, operation, safety, and protection of the Work, maintenance, heat, utilities, insurance, and warranties and guarantees. Unless Owner and Contractor agree otherwise in writing and so inform Engineer in writing prior to Engineer's issuing the definitive certificate of Substantial Completion, Engineer's aforesaid recommendation will be binding on Owner and Contractor until final payment.

E. Owner shall have the right to exclude Contractor from the Site after the date of Substantial Completion subject to allowing Contractor reasonable access to complete or correct items on the tentative list.

14.05 *Partial Utilization*

A. Prior to Substantial Completion of all the Work, Owner may use or occupy any substantially completed part of the Work which has specifically been identified in the Contract Documents, or which Owner, Engineer, and Contractor agree constitutes a separately functioning and usable part of the Work that can be used by Owner for its intended purpose without significant interference with Contractor's performance of the remainder of the Work, subject to the following conditions.

1. Owner at any time may request Contractor in writing to permit Owner to use or occupy any such part of the Work which Owner believes to be ready for its intended use and substantially complete. If and when Contractor agrees that such part of the Work is substantially complete, Contractor will certify to Owner and Engineer that such part of the Work is substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.

2. Contractor at any time may notify Owner and Engineer in writing that Contractor considers any such part of the Work ready for its intended use and substantially complete and request Engineer to issue a certificate of Substantial Completion for that part of the Work.

3. Within a reasonable time after either such request, Owner, Contractor, and Engineer shall make an inspection of that part of the Work to determine its status of completion. If Engineer does not consider that part of the Work to be substantially complete, Engineer will notify Owner and Contractor in writing giving the reasons therefor. If Engineer considers that part of the Work to be substantially complete, the provisions of Paragraph 14.04 will apply with respect to certification of Substantial Completion of that part of the Work and the division of responsibility in respect thereof and access thereto.

~~4. No use or occupancy or separate operation of part of the Work may occur prior to compliance with the requirements of Paragraph 5.10 regarding property insurance.~~

14.06 *Final Inspection*

A. Upon written notice from Contractor that the entire Work or an agreed portion thereof is complete, Engineer will promptly make a final inspection with Owner and Contractor and will notify Contractor in

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writing of all particulars in which this inspection reveals that the Work is incomplete or defective. Contractor shall immediately take such measures as are necessary to complete such Work or remedy such deficiencies.

14.07 *Final Payment*

A. Application for Payment

1. After Contractor has, in the opinion of Engineer, satisfactorily completed all corrections identified during the final inspection and has delivered, in accordance with the Contract Documents, all maintenance and operating instructions, schedules, guarantees, bonds, certificates or other evidence of insurance certificates of inspection, marked-up record documents (as provided in Paragraph 6.12), and other documents, Contractor may make application for final payment following the procedure for progress payments.

2. The final Application for Payment shall be accompanied (except as previously delivered) by:

a. all documentation called for in the Contract Documents, including but not limited to the evidence of insurance required by Paragraph 5.04.B.7;

b. consent of the surety, if any, to final payment;

c. a list of all Claims against Owner that Contractor believes are unsettled; and

d. complete and legally effective releases or waivers (satisfactory to Owner) of all Lien rights arising out of or Liens filed in connection with the Work.

3. In lieu of the releases or waivers of Liens specified in Paragraph 14.07.A.2 and as approved by Owner, Contractor may furnish receipts or releases in full and an affidavit of Contractor that: (i) the releases and receipts include all labor, services, material, and equipment for which a Lien could be filed; and (ii) all payrolls, material and equipment bills, and other indebtedness connected with the Work for which Owner or Owner's property might in any way be responsible have been paid or otherwise satisfied. If any Subcontractor or Supplier fails to furnish such a release or receipt in full, Contractor may furnish a bond or other collateral satisfactory to Owner to indemnify Owner against any Lien.

B. Engineer's Review of Application and Acceptance

1. If, on the basis of Engineer's observation of the Work during construction and final inspection, and Engineer's review of the final Application for Payment and accompanying documentation as required by the Contract Documents, Engineer is satisfied that the Work has been completed and Contractor's other obligations under the Contract Documents have been fulfilled, Engineer will, within ten days after receipt of the final Application for Payment, indicate in writing Engineer's recommendation of payment and present the Application for Payment to Owner for payment. At the same time Engineer will also give written notice to Owner and Contractor that the Work is acceptable subject to the provisions of Paragraph 14.09. Otherwise, Engineer will return the Application for Payment to Contractor, indicating in writing the reasons for refusing to recommend final payment, in which case Contractor shall make the necessary corrections and resubmit the Application for Payment.

2. Without extra charge to Contractor, Engineer will make only two (2) such inspections to determine final completion. If Engineer is not able to make the representations and findings required to recommend final payment, successive inspections requested by Contractor shall be charged to Contractor.

C. Payment Becomes Due

1. Thirty days after the presentation to Owner of the Application for Payment and accompanying documentation, the amount recommended by Engineer, less any sum Owner is entitled to set off against Engineer's recommendation, including but not limited to liquidated damages, will become due and , will be paid by Owner to Contractor.

14.08 *Final Completion Delayed*

A. If, through no fault of Contractor, final completion of the Work is significantly delayed, and if Engineer so confirms, Owner shall, upon receipt of Contractor's final Application for Payment (for Work fully completed and accepted) and recommendation of Engineer, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed and accepted. If the remaining balance to be held by Owner for Work not fully completed or corrected is less than the retainage stipulated in the Agreement, and if bonds have been furnished as required in Paragraph 5.01, the written consent of the surety to the payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by Contractor to Engineer with the Application for such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of Claims.

14.09 *Waiver of Claims*

A. The making and acceptance of final payment will constitute:

1. ~~a waiver of all Claims by Owner against Contractor, except~~ no waiver of any claims, or the right to make any claims, by Owner against Contractor, including

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Claims arising from unsettled Liens, from defective Work appearing after final inspection pursuant to Paragraph 14.06, from failure to comply with the Contract Documents or the terms of any special guarantees specified therein, or from Contractor's continuing obligations under the Contract Documents; and

2. a waiver of all Claims by Contractor against Owner other than those previously made in accordance with the requirements herein and expressly acknowledged by Owner in writing as still unsettled.

14.10 *Prompt Payment to Subcontractors*

A. Within seven (7) days of receipt by Contractor of each payment from the City of Durham under this Contract, the Contractor shall pay all Subcontractors (including Suppliers and others) based on work completed or service provided under the subcontract. Should any payment to the Subcontractor be delayed by more than seven (7) days after receipt of payment by the Contractor from the City under this Contract, the Contractor shall pay the Subcontractor interest, beginning on the eighth (8th) day, at the rate of one percent (1%) per month or fraction thereof on such unpaid balance as may be due. By appropriate litigation, Subcontractors shall have the right to enforce this Paragraph 14.10.A directly against the Contractor, but not against the City of Durham. If the Engineer determines that it is appropriate to enforce this Paragraph 14.10.A, the City of Durham may withhold the sums estimated by the Engineer to be sufficient to pay this interest from progress or final payments to the Contractor.

B. Nothing in this Paragraph 14.10 shall prevent the Contractor at the time of invoicing, application, and certification to the City from withholding invoicing, application, and certification to the City for payment to the Subcontractor for unsatisfactory job progress; defective goods, services, or construction not remedied; disputed work; third-party claims filed or reasonable evidence that such a claim will be filed; failure of the Subcontractor to make timely payments for labor, equipment, and materials; damage to the Contractor or another Subcontractor; reasonable evidence that the subcontract cannot be completed for the unpaid balance of the subcontract sum; or a reasonable amount for retainage consistent with the Agreement.

C. The Engineer may require, as a prerequisite to making progress or final payments, that the Contractor provide statements from any Subcontractors designated by the Engineer regarding the status of their accounts with the Contractor. The statements shall be in such format as the Engineer reasonably requires, including notarization if so specified.

ARTICLE 15 - SUSPENSION OF WORK AND TERMINATION

15.01 *Owner May Suspend Work*

A. At any time and without cause, Owner may suspend the Work or any portion thereof for a period of not more than 90 consecutive days by notice in writing to Contractor and Engineer which will fix the date on which, or the event after which, Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be granted an adjustment in the Contract Price or an extension of the Contract Times, or both, directly attributable to any such suspension if Contractor makes a Claim therefor as provided in Paragraph 10.05. No adjustment shall be made to the extent that performance is, was, or would have been suspended, delayed, or interrupted directly or indirectly by Contractor or any Entity for which Contractor is responsible. The Contract Price shall not be adjusted except to the extent that the total of such suspensions exceeds thirty (30) days and after excluding such thirty day period.

15.02 *Owner May Terminate for Cause*

A. The occurrence of any one or more of the following events will justify termination for cause:

1. Contractor's persistent failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment or failure to adhere to the Progress Schedule established under Paragraph 2.07 as adjusted from time to time pursuant to Paragraph 6.04);

2. Contractor's disregard of Laws or Regulations of any public body having jurisdiction;

3. Contractor's disregard of the authority of Engineer; or

4. Contractor's violation in any substantial way of any provisions of the Contract Documents.

B. If one or more of the events identified in Paragraph 15.02.A occur, Owner may, after giving Contractor (and surety) seven days written notice of its intent to terminate the services of Contractor:

1. exclude Contractor from the Site, and take possession of the Work and of all Contractor's tools, appliances, construction equipment, and machinery at the Site, and use the same to the full extent they could be used by Contractor (without liability to Contractor for trespass or conversion),

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2. incorporate in the Work all materials and equipment stored at the Site or for which Owner has paid Contractor but which are stored elsewhere, and

3. complete the Work as Owner may deem expedient.

C. If Owner proceeds as provided in Paragraph 15.02.B, Contractor shall not be entitled to receive any further payment until the Work is completed. If the unpaid balance of the Contract Price exceeds all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by Owner arising out of or relating to completing the Work, such excess will be paid to Contractor. If such claims, costs, losses, and damages exceed such unpaid balance, Contractor shall pay the difference to Owner. Such claims, costs, losses, and damages incurred by Owner will be reviewed by Engineer as to their reasonableness and, when so approved by Engineer, incorporated in a Change Order. When exercising any rights or remedies under this Paragraph Owner shall not be required to obtain the lowest price for the Work performed.

D. Notwithstanding Paragraphs 15.02.B and 15.02.C, Contractor's services will not be terminated if Contractor begins within seven days of receipt of notice of intent to terminate to correct its failure to perform and proceeds diligently to cure such failure within no more than 30 days of receipt of said notice.

E. Where Contractor's services have been so terminated by Owner, the termination will not affect any rights or remedies of Owner against Contractor then existing or which may thereafter accrue. Any retention or payment of moneys due Contractor by Owner will not release Contractor from liability.

F. If and to the extent that Contractor has provided a performance bond under the provisions of Paragraph 5.01.A, the termination procedures of that bond shall supersede the provisions of Paragraphs 15.02.B, and 15.02.C.

15.03 *Owner May Terminate For Convenience*

A. Upon seven days written notice to Contractor and Engineer, Owner may, without cause and without prejudice to any other right or remedy of Owner, terminate the Contract. In such case, Contractor shall be paid for (without duplication of any items):

1. completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, ~~including fair and reasonable sums for overhead and profit on such Work~~ as determined in Article 11;

2. expenses sustained prior to the effective date of termination in ~~performing services and furnishing labor,~~ ordering materials~~, or equipment~~ as required by the Contract Documents in connection with uncompleted Work, ~~plus fair and reasonable sums for overhead and profit on such expenses;~~, the Owner shall have the options detailed in Paragraphs 15.03.A.2.a through 15.03.A.2.d;

a. Upon seven (7) days of receipt of the notice of termination for convenience Contractor shall provide evidence of materials ordered as described in Paragraph 15.03.A.2 including an itemized list, cost, order and delivery dates, and all terms or conditions (including ordering, canceling, or restocking charges).

b. Owner may direct the Contractor to cancel any one or more orders, in which case the Owner shall be liable for cancellation and restocking charges and other charges properly attributable to the cancellation; or

c. Owner may direct the Contractor to keep any one or more orders in effect and/or to assign any one or more orders to the Owner, in which case the Owner shall be responsible for bearing the costs of the order.

d. Within ten (10) days of the Owner's receiving the evidence described in Paragraph 15.03.A.2.a, the Owner shall give the Contractor notice of which options it exercises under Paragraphs 15.03.A.2.b or 15.03.A.2.c.

~~3. all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred in settlement of terminated contracts with Subcontractors, Suppliers, and others; and~~

3. The Owner shall pay the Contractor a termination fee of one hundred dollars ($100.00) in addition to other amounts due pursuant to this Paragraph 15.03.

~~4. reasonable expenses directly attributable to termination.~~

B. Contractor shall not be paid on account of loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination.

15.04 *Contractor May Stop Work or Terminate*

A. If, through no act or fault of Contractor, (i) the Work is suspended for more than 90 consecutive days by Owner or under an order of court or other public authority, or (ii) Engineer fails to act on any Application for Payment within 30 days after it is submitted, or (iii) Owner fails for 30 days to pay Contractor any sum finally

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determined to be due, then Contractor may, upon seven days written notice to Owner and Engineer, and provided Owner or Engineer do not remedy such suspension or failure within that time, terminate the Contract and recover from Owner payment on the same terms as provided in Paragraph 15.03.

B. In lieu of terminating the Contract and without prejudice to any other right or remedy, if Engineer has failed to act on an Application for Payment within 30 days after it is submitted, or Owner has failed for 30 days to pay Contractor any sum finally determined to be due, Contractor may, seven days after written notice to Owner and Engineer, stop the Work until payment is made of all such amounts due Contractor, including interest thereon. The provisions of this Paragraph 15.04 are not intended to preclude Contractor from making a Claim under Paragraph 10.05 for an adjustment in Contract Price or Contract Times or otherwise for expenses or damage directly attributable to Contractor's stopping the Work as permitted by this Paragraph.

15.05 *Protection and Preservation of the Work*

A. Upon suspension (Paragraph 15.01), termination (Paragraphs 15.02, 15.03, and 15.04), or stopping Work (Paragraph 15.04):

1. Contractor shall take actions necessary for the protection and preservation of the Work, and Site, including those actions required by the Contract, except to the extent otherwise directed by the Engineer; and

2. Contractor shall erect and leave in place barricades, lights, and other safety devices as are appropriate for the protection of the public, including those devices required by the Contract, except to the extent otherwise directed by the Engineer.

B. If the Contractor performs work pursuant to directions given by the Engineer as described in Paragraph 15.05.A for the protection and preservation of the Work or of the public, Owner shall pay the Contractor for such protection and preservation work to the extent that it is greater than the Contractor would have done during or at the end of a work day had the contract not been suspended or terminated or the Work stopped.

ARTICLE 16 - DISPUTE RESOLUTION

16.01 *Methods and Procedures*

~~A. Either Owner or Contractor may request mediation of any Claim submitted to Engineer for a decision under Paragraph 10.05 before such decision becomes final and binding. The mediation will be governed by the Construction Industry Mediation Rules of the American Arbitration Association in effect as of the Effective Date of the Agreement. The request for mediation shall be submitted in writing to the American Arbitration Association and the other party to the Contract. Timely submission of the request shall stay the effect of Paragraph 10.05.E.~~

A. Any party allowed to use the dispute resolution process adopted by the State Building Commission pursuant to G. S. 143-135.26(11) and G. S. 143-128(F1) may participate in mediation pursuant to the dispute resolution process as a precondition to initiating litigation concerning the dispute. The amount of $15,000 or more must be at issue before a party may require other parties to participate in the dispute resolution process. The costs of the dispute resolution process shall be divided between the parties to the dispute with at least one-third of the cost to be paid by the Owner, if the Owner is a party to the dispute.

~~B. Owner and Contractor shall participate in the mediation process in good faith. The process shall be concluded within 60 days of filing of the request. The date of termination of the mediation shall be determined by application of the mediation rules referenced above.~~

~~C. If the Claim is not resolved by mediation, Engineer's action under Paragraph 10.05.C or a denial pursuant to Paragraphs 10.05.C.3 or 10.05.D shall become final and binding 30 days after termination of the mediation unless, within that time period, Owner or Contractor:~~

~~1. elects in writing to invoke any dispute resolution process provided for in the Supplementary Conditions, or~~

~~2. agrees with the other party to submit the Claim to another dispute resolution process, or~~

~~3. gives written notice to the other party of their intent to submit the Claim to a court of competent jurisdiction.~~

ARTICLE 17 - MISCELLANEOUS

17.01 *Giving Notice*

A. Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if:

1. delivered by facsimile or in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or

2. delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to the giver of the notice.

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B. If a party is notified of a replacement person for purpose of getting notice, then notices afterwards shall be directed to the replacement person. Written notices shall be deemed to have been duly served, made, and received, and receipt thereof completed, if:

1. delivered in person to the individual or to that individual's receptionist; or

2. mailed by registered or certified mail to the last business address known to the party giving notice; or

3. faxed to the last fax number known to the party giving notice, provided that the fax transmission must be completed.

C. Written notices to the Owner must be directed to the Owner's representative, provided that if no individual is designated as the Owner's representative, then written notices must be directed to the City Manager. As used in this Paragraph 17.01, the word 'notice' includes 'request.'

D. The notice will be deemed served, made, and received, and receipt thereof completed, on the earlier of:

1. the date delivered in person; or

2. three (3) days after placing in the custody of the U. S. Postal Service; or

3. the date the fax transmission was completed.

E. *Address of Surety:* Unless the surety provides a different address as provided in Paragraph 17.01, notice to a surety may be sent to the address shown on the performance bond; if no address for the surety is shown on the performance bond, the surety's address provided by the N. C. Department of Insurance shall suffice; and if the Department of Insurance lacks an address, the last-known address of the attorney-in-fact who signed the performance bond shall suffice.

17.02 *Computation of Times*

A. When any period of time is referred to in the Contract Documents by days, it will be computed to exclude the first and include the last day of such period. If the last day of any such period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation. As used in the preceding sentence, a 'legal holiday by the law of the applicable jurisdiction' is a holiday observed by city government of the City of Durham. See City Code Section 42-16 for information on such holidays.

17.03 *Cumulative Remedies*

A. The duties and obligations imposed by these General Conditions and the rights and remedies available hereunder to the parties hereto are in addition to, and are not to be construed in any way as a limitation of, any rights and remedies available to any or all of them which are otherwise imposed or available by Laws or Regulations, by special warranty or guarantee, or by other provisions of the Contract Documents. The provisions of this Paragraph will be as effective as if repeated specifically in the Contract Documents in connection with each particular duty, obligation, right, and remedy to which they apply.

17.04 *Survival of Obligations*

A. All representations, indemnifications, warranties, and guarantees made in, required by, or given in accordance with the Contract Documents, as well as all continuing obligations indicated in the Contract Documents, will survive final payment, completion, and acceptance of the Work or termination or completion of the Contract or termination of the services of Contractor.

17.05 *Controlling Law*

A. This Contract is to be governed by the law of the state in which the Project is located.

17.06 *Headings*

A. Article and paragraph headings are inserted for convenience only and do not constitute parts of these General Conditions.

17.07 *Effect on Other Rights*

A. The Contract Documents shall not be construed to create a cause of action against Owner and in favor of any person, firm, or corporation, other than Contractor. The Contract Documents shall not be construed to create a cause of action against Engineer and in favor of any person, firm, or corporation, other than Owner. The Contract Documents are not intended to create a defense, except by Contractor, to any cause of action that may be brought by Owner. The recitation of duties, or limitations of duties, in the Contract Documents (e.g., Paragraph 9.09) of Engineer or Engineer's consultants, representatives, and assistants, shall not be construed to reduce Owner's rights against Engineer or to reduce Engineer's duties to Owner. No action or failure to act by Owner shall constitute a waiver of a right except to the extent specifically agreed in writing. If Owner waives a right, that waiver shall not imply other waivers of that right. If liquidated damages are assessable against the Contractor, Owner may, in its discretion, waive the imposition of some or all of the liquidated damages against the Contractor. That waiver shall be valid only if done by a writing signed by the City Manager or an Assistant City Manager, and the waiver must refer specifically to 'liquidated damages.' That waiver shall not constitute an extension of the Contract Time.

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B. The Agreement represents the entire and integrated agreement between the parties hereto and supersedes prior negotiations and representations. Except as specifically otherwise provided, the Agreement is not intended to benefit, or to create a cause of action in favor of, any person, firm, or corporation, other than Owner and Contractor. Oral statements by anyone, including Owner's employees, agents, and Engineer, whether made before or after the execution of the Agreement, shall not be binding on Owner and shall not reduce Owner's rights under the Contract Documents.

17.08 *Place of Project*

A. *Choice of Law and Forum:* The place of the Project is North Carolina. This Contract shall be deemed made in Durham, North Carolina. This Contract shall be governed by and construed in accordance with the laws of North Carolina. The exclusive forum and venue for all actions arising out of this Contract shall be the North Carolina General Court of Justice, in Durham County. Such actions shall neither be commenced in nor removed to federal court. This Paragraph shall not apply to subsequent actions to enforce a judgment entered in actions heard pursuant to this Paragraph.

17.09 *Equal Employment Opportunity (EEO)*

A. During the performance of this Contract the Contractor agrees as follows:

1. Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, political affiliation or belief, age, or handicap. Contractor shall take affirmative action to insure that applicants are employed and that employees are treated equally during employment, without regard to race, color, religion, sex, national origin, political affiliation or belief, age, or handicap. Such action shall include but not be limited to the following: employment, upgrading, demotion, transfer, recruitment or advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship. Contractor shall post in conspicuous places, available to employees and applicants for employment, notices setting forth these EEO provisions;

2. Contractor shall in all solicitations or advertisement for employees placed by or on behalf of Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, political affiliation or belief, age, or handicap;

3. Contractor shall send a copy of the EEO provisions to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding;

4. in the event of Contractor's noncompliance with these EEO provisions, the City of Durham may cancel, terminate, or suspend this contract, in whole or in part, and the City may declare the Contractor ineligible for further City contracts; and

5. unless exempted by the City Council of the City of Durham, Contractor shall include these EEO provisions in every purchase order for goods to be used in performing this Contract and in every subcontract related to this Contract so that these EEO provisions will be binding upon such Subcontractors and Suppliers.

B. *City Policy:* The City of Durham opposes discrimination on the basis of race and sex and urges all of its contractors to provide a fair opportunity for minorities and women to participate in their work force and as subcontractors and suppliers under City contracts.

17.10 *Americans with Disabilities Act (ADA)*

A. Notice Under the Americans with Disabilities Act - A person with a disability may receive an auxiliary aid or service to effectively participate in city government activities by contacting the ADA Coordinator, voice (919) 560-4197, fax (919) 560-4196, TTY (919) 560-1200, or ADA@durhamnc.gov, as soon as possible but no later than forty-eight (48) hours before the event or deadline date.

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DIVISION 01 – GENERAL REQUIREMENTS

SECTION 01 10 00

SUMMARY

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Contract description.

B. Work by City of Durham.

C. Contractor's use of Site.

D. Future work.

E. Work sequence.

F. Property Owner access.

1.2 CONTRACT DESCRIPTION

A. The Work includes, but may not be limited to, the furnishing of all materials, labor, equipment, tools, etc. unless otherwise specified, for partial demolition of the former Duke Diet & Fitness Center. Work under this contract includes abatement of asbestos containing materials (ACM), management of lead-based coatings, removal of poly-chlorinated biphenyl (PCB)-containing building materials and impacted soil and universal wastes to support partial demolition of the existing building structure as described within this Project Manual. Removal of a potential underground storage tank could become part of the project dependent upon additive alternative acceptance/rejection.

B. Perform Work of Contract under Stipulated Sum and Unit Price (as applicable) Work contract with City of Durham in accordance with Conditions of Contract.

1.3 WORK BY CITY OF DURHAM

A. The City of Durham is planning to construct a wetland on this site under a separate contract.

1.4 CONTRACTOR'S USE OF SITE

A. Access to Site: The project is located on City-owned property. Private property cannot be accessed as part of this project. Contractor shall not commence Work on a Site until the following:

1. An individual Preconstruction Conference has been held for the Project attended by the Contractor, Resident Project Representative, and Engineer.

B. Operations: Limited to Work described in the Contract Documents.

C. Time Restrictions for Performing Work: 8:00 AM to 5:00 PM, Monday through Friday. Contractor shall submit requests for work outside of these restrictions to the Project Engineer in writing at least 5 business days prior to the day of the requested change. Requests submitted do not guarantee an approval of the requests.

D. Utility Outages and Shutdown: Not allowed without the written permission of Engineer.

E. Local residents contact: Contractor to provide Resident Project Representative and Engineer with letter announcing a minimum of date for commencement of work, any traffic hinderances adjacent to the site, and contact information for Resident Project Representative and Contractor's Superintendent for distribution to the local residents a minimum of 5 days prior to commencement of work. City will send out notifications after letter received.

1.5 FUTURE WORK

A. No Future work is anticipated under this contract.

1.6 WORK SEQUENCE

A. Abatement of ACM, LBP, universal wastes, PCB-containing materials and impacted soil will be conducted prior to the start of building demolition.

1.7 PROPERTY OWNER ACCESS

A. The site will be vacant during the entire period of the Work.

B. Cooperate with Property Owner (City of Durham) to minimize conflict, and to facilitate Property Owner's needs.

C. Schedule the Work to accommodate Property Owner (City of Durham).

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION - Not Used

END OF SECTION

SECTION 01 20 00

PRICE AND PAYMENT PROCEDURES

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Contingency allowances.

B. Schedule of values.

C. Applications for payment.

D. Change procedures.

E. Defect assessment.

F. Unit prices.

1.2 CONTINGENCY ALLOWANCES

A. Funds will be drawn from Contingency Allowance only by Change Order.

B. At closeout of Contract, funds remaining in Contingency Allowance will be credited to Owner by Change Order.

1.3 SCHEDULE OF VALUES

A. The Schedule of Values shall be administered through the Primavera Daily Report Extender (PDRx) system (see Part 2 of this section).

1.4 APPLICATIONS FOR PAYMENT

A. Submit one copy of each application generated from PDRx (see Part 2 of this section).

B. Content and Format: Utilize Schedule of Values for listing items in Application for Payment.

C. Submit updated construction schedule with each Application for Payment.

D. Payment Period: Submit at intervals stipulated in the Agreement.

E. Submit with transmittal letter as specified for Submittals in Section 01 33 00 - Submittal Procedures.

F. With final Application for Payment, submit waiver required by the General Conditions Paragraph 14.07.2.d.

G. Substantiating Data: When Engineer requires substantiating information, submit data justifying dollar amounts in question. Include the following with Application for Payment:
   1. Current construction photographs specified in Section 01 33 00 – Submittal Procedures.

1.5 CHANGE PROCEDURES

A. Submittals: Submit name of individual authorized to receive change documents, and be responsible for informing others in Contractor's employ or Subcontractors of changes to the Work.

B. The Engineer will advise of minor changes in the Work not involving adjustment to Contract Price or Contract Time by issuing supplemental instructions.

C. The Engineer may issue a Notice of Change including a detailed description of proposed change with supplementary or revised Drawings and specifications, a change in Contract Time for executing the change. Contractor will prepare and submit estimate within five (5) days of Notice of Change.

D. Contractor may propose changes by submitting a request for change to Engineer, describing proposed change and its full effect on the Work. Include a statement describing reason for the change, and effect on Contract Price and Contract Time with full documentation.

E. Unit Price Change Order: For unit costs or quantities of units of Work which are not pre-determined, execute Work under Work Directive Change. Changes in Contract Price or Contract Time will be computed as specified for Change Order.

F. Work Directive Change: Engineer may issue directive, signed by Owner, instructing Contractor to proceed with change in the Work, for subsequent inclusion in a Change Order. Document will describe changes in the Work, and designate method of determining any change in Contract Price or Contract Time. Promptly execute change.

G. Execution of Change Orders: Engineer will issue Change Orders for signatures of parties as provided in Conditions of the Contract.

H. Correlation of Contractor Submittals:
   1. Promptly revise Schedule of Values and Application for Payment forms to record each authorized Change Order as separate line item and adjust Contract Price.
   2. Promptly revise progress schedules to reflect change in Contract Time, revise sub-schedules to adjust times for other items of Work affected by the change, and resubmit.
   3. Promptly enter changes in Project record documents.

1.6 DEFECT ASSESSMENT

A. Replace the Work, or portions of the Work, not conforming to specified requirements.

B. If, in the opinion of the Engineer, it is not practical to remove and replace the Work, the Engineer will direct appropriate remedy or adjust payment.

C. The defective Work may remain, but unit price will be adjusted to new price at discretion of Engineer.

D. Defective Work will be repaired to instructions of Engineer, and price will be adjusted to new price at discretion of Engineer.

E. Individual specification sections may modify these options or may identify specific formula or percentage price reduction.

F. Authority of Engineer to assess defects and identify payment adjustments is final.

G. Non-Payment for Rejected Products: Payment will not be made for rejected Products for any of the following:
1. Products wasted or disposed of in a manner that is not acceptable.
2. Products determined as unacceptable before or after placement.
3. Products not completely unloaded from transporting vehicle.
4. Products placed beyond lines and levels of required Work.
5. Products remaining on hand after completion of the Work.
6. Loading, hauling, and disposing of rejected Products.

1.7 STIPULATED SUM COMPLETION DETERMINIATION

A. The Engineer will review the percentage of completion for every submitted pay application and will approve/disapprove the percentage claimed based on work completed.

B. Percentage of completion shown on each pay application must coincide with the actual worked performed during the time frame of the pay application.

C. Payment Includes: Full compensation for required labor, Products, tools, equipment, plant and facilities, transportation, services and incidentals; erection, application or installation of item of the Work; overhead and profit.

1.8 UNIT PRICES

A. Authority: Measurement methods are delineated in individual specification sections.

B. Measurement methods delineated in individual specification sections complement criteria of this section. In event of conflict, requirements of individual specification section govern.

C. Take measurements and compute quantities. Engineer will verify measurements and quantities.

D. Unit Quantities: Quantities and measurements indicated in Bid Form are for Contract purposes only. Quantities and measurements supplied or placed in the Work shall determine payment.
   1. When actual Work requires more or fewer quantities than those quantities indicated, provide required quantities at unit prices contracted.
   2. When actual Work requires fifty percent (50%) or greater change in quantity than those quantities indicated, Owner or Contractor may claim for Contract Price adjustment.

E. Payment Includes: Full compensation for required labor, Products, tools, equipment, plant and facilities, transportation, services and incidentals; erection, application or installation of item of the Work; overhead and profit.

PART 2 CONTRACT MANAGEMENT AND PROJECT MANAGEMENT SYSTEM

2.1 GENERAL

A. Contractor shall use PDRx during the execution of the Contract. Contractor shall utilize this software tool as described in this section and other relevant sections of the Contract Documents.

B. Contractor shall be responsible for equipment and software necessary to meet the requirements of this section. All costs associated with meeting the requirements of this section are incidental to the Work.

C. Computers used to access the Owner's web browser versions of PDRx shall meet the following requirements.
   1. Operating System: Windows XP Service Pack 2.
   2. Web Browser: Windows Internet Explorer Version 7.

D. PDRx software tool is accessed through the web.

E. Owner's staff will be available for technical advice. However, the Owner will not operate, install, or troubleshoot any of the Contractor's hardware or software issues. Contractor is solely responsible for the functionality of their computer systems. Owner will accept no liabilities arising from the Contractor's use of this software.
   1. Owner will offer the Contractor's staff an initial orientation to the use of PDRx. This orientation will be offered around the time of the Preconstruction Conference. Subsequent training of additional Contractor staff shall be the Contractor's responsibility.

2.2 PDRX

A. A single project shall be established in PDRx for the Contract. The project shall have a schedule of values containing the quantity estimate for each pay item in the Bid proposal along with the Contract Stipulated Sum price.

B. The Owner has developed software which may allow the data described in the paragraph above to be batch loaded into PDRx utilizing Microsoft Excel spreadsheets to streamline data entry into PDRx. Owner will provide the Excel Spreadsheet templates to the Contractor. Contractor shall prepare the schedule of values based on the Bid items.

C. Contractor shall submit the completed spreadsheets to the Owner for review and approval. Once the submittal is approved, Owner will load the Project data into PDRx. Contractor shall be responsible for checking and verifying the data once it is in PDRx. Contractor shall perform any cleanup or correction of the data that is necessary.

2.3 DAILY REPORTS

A. Contractor shall be responsible for logging daily reports in PDRx on the next business day following the work performed. Daily reports shall be logged individually in PDRx for each separate day of work. Contractor shall submit daily reports within two (2) business days, without prompting. Multiple occurrences of non-compliance may result in termination of Contract.

B. Contractor shall assign the “ball-in-court” status for the review and approval of each daily report to the Resident Project Representative assigned to the Project. The Resident Project Representative will review the daily report the following business day and either approve it if satisfactory, or assign the “ball-in-court” back to the Contractor with notes indicating the areas of disagreement. Contractor and Resident Project Representative will coordinate on the daily report. All daily reports that apply to a payment requisition (Application for Payment) must be approved by the Resident Project Representative in order to process that payment requisition.

2.4 PAYMENT REQUISITIONS (APPLICATION FOR PAYMENT)

A. Payment requisitions shall be prepared using PDRx. As a payment requisition is generated, PDRx will automatically populate the quantities from the applicable daily reports for the period that applies to the payment requisition. Contractor shall be responsible for generating payment requisitions from approved daily reports. Incorrect or unapproved daily reports are the Contractor’s responsibility to correct. Payment requisitions will not be approved unless they are created using PDRx.

B. Contractor shall prepare the payment requisition and assign the “ball-in-court” to the Resident Project Representative. Resident Project Representative will review the payment requisition and either approve it if satisfactory or assign the “ball-in-court” status back to the Contractor with notes which indicate the areas of disagreement. Contractor and Owner’s Representative will coordinate on the payment requisition.

C. Contractor shall submit a paper copy of all payment requisitions prepared in PDRx.

PART 3 EXECUTION - Not Used

END OF SECTION

SECTION 01 30 00

ADMINISTRATIVE REQUIREMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Coordination and project conditions.

B. Preconstruction conference.

C. Progress meetings.

1.2 COORDINATION AND PROJECT CONDITIONS

A. Coordinate scheduling, submittals, reporting, and Work of various sections of Project Manual to ensure timely, efficient and orderly sequence of the Work.

B. Coordinate completion and clean-up of Work of separate sections in preparation for Substantial Completion and for portions of Work designated for Property Owner's partial use.

1.3 PRECONSTRUCTION CONFERENCE

A. Engineer will schedule meeting after Notice of Award.

B. Attendance Required: Representative of the City of Durham, Engineer, and Contractor.

C. Agenda:
1. Execution of Owner-Contractor Agreement.
2. Submission of executed bonds and insurance certificates.
3. Distribution of Contract Documents.
4. Submission of list of Subcontractors, list of Products, schedule of values, and progress schedule.
5. Designation of personnel representing parties in Contract and Engineer.
6. Procedures and processing of field decisions, submittals, substitutions, applications for payments, estimate request, Change Orders, and Contract closeout procedures.
7. Scheduling.

D. Record minutes and distribute copies within two (2) days after meeting to participants, with one (1) copy to Engineer, City of Durham Representative, and those affected by decisions made.

E. Contractor shall identify the Superintendent at the Preconstruction Conference. Communication and coordination from the Owner and Engineer will be to the

Superintendent. Superintendent shall be responsible for communication and coordination of the remainder of the Contractor's staff.

1.4 PROGRESS MEETINGS

A. Engineer will make arrangements for meetings, prepare agenda with copies for participants, and preside at meetings.

B. Meetings will be held on a weekly basis for the duration of the project.

C. Attendance Required: Job superintendent, major Subcontractors and suppliers, Representative of the City of Durham, Engineer, and Property Owner as appropriate to agenda topics for each meeting.

D. Agenda:
1. Review minutes of previous meetings.
2. Review of Work progress.
3. Field observations, problems, and decisions.
4. Identification of problems impeding planned progress.
5. Review of submittals schedule and status of submittals.
6. Review of off-site fabrication and delivery schedules.
7. Maintenance of progress schedule.
8. Corrective measures to regain projected schedules.
9. Planned progress during succeeding work period.
10. Coordination of projected progress.
11. Maintenance of quality and work standards.
12. Effect of proposed changes on progress schedule and coordination.
13. Other business relating to Work.

E. Record minutes and distribute copies within two (2) days after meeting to participants, with one (1) copy to those in attendance.

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION – Not Used

END OF SECTION

SECTION 01 33 00

SUBMITTAL PROCEDURES

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Submittal procedures.

B. Submittal manager.

C. Submittal classification.

D. Progress schedules.

E. Photographs.

F. Withholding of payment, Work stoppage, and delays.

1.2 SUBMITTAL PROCEDURES

A. All Submittals shall be made via PDRx as described in section 01 20 00.

B. Submittals are to be made as outlined under this section, the Technical Specifications, and as noted in the Contract Documents. The Engineer may request additional submittals beyond those detailed herein.

C. Identify Project, Project Site, Contractor, Subcontractor and supplier; pertinent Drawing and detail number, and specification section number, appropriate to submittal.

D. Apply Contractor's stamp, signed or initialed certifying that review, approval, verification of Products required, field dimensions, adjacent construction Work, and coordination of information is in accordance with requirements of the Work and Contract Documents.

E. Schedule submittals to expedite Project, and deliver to Engineer via Contract Management. Coordinate submission of related items.

F. Identify variations from Contract Documents and Product or system limitations which may be detrimental to successful performance of completed Work.

G. When revised for resubmission, identify changes made since previous submission.

H. Distribute copies of reviewed submittals as appropriate. Instruct parties to promptly report inability to comply with requirements.

I. Submittals not requested will not be recognized or processed.

1.3 SUBMITTAL MANAGER

A. The Contractor shall designate in writing a competent and qualified individual to review and approve submittals for the Contractor and all Subcontractors. The submittal manager shall ensure all submittals meet Contract requirements prior to submission.

1.4 SUBMITTAL CLASSIFICATION

A. All submittals shall be designated as one of the following:
   1. "Information Only": Submittals required by the Technical Specifications to be submitted to the Engineer. Engineer's approval is not necessary.
   2. "Engineer Approval": Submittals required by the Technical Specifications to be submitted to the Engineer for approval.
   3. "City of Durham Approval": Submittals required by the Technical Specifications to be submitted to the City of Durham for approval.

1.5 PROGRESS SCHEDULES

A. The Progress Schedule shall be managed in PDRx as described in section 01 20 00.

B. Submit revised Progress Schedules with each Application for Payment.

C. Failure to provide Progress Schedules may result in progress payments being withheld or suitable monies retained to protect the City's of Durham interest until such time as the schedule is provided.

D. The review and acceptance by the Engineer of the Contractor's schedule shall in no way relieve the Contractor of the responsibility to complete the Work with the Contract Time, adjusted in accordance with the provisions of the Contract.

1.6 PHOTOGRAPHS

A. Provide photographs of Site throughout progress of Work produced by an experienced photographer, acceptable to Engineer. Provide photographs of Site showing the Site condition prior to commencement, at Substantial Completion, and at final completion.

B. Submit photographs to Engineer using PDRx as described in section 01 20 00.

C. Digital photographs shall be 1600 x 1200 resolution.

D. Identify each photograph with Project, Contract number, Site, date and time of view, and a description of the Work being photographed.

1.7 WITHHOLDING OF PAYMENT, WORK STOPPAGE, AND DELAYS

A. Failure to provide required submittals and information will result in progress payments being withheld or suitable monies being retained to protect the City of Durham's interest until such time as the required information is submitted per the Technical Specifications.

Payment for materials incorporated into the Work will not be made until required submittal information has been approved.

B. Work on a specific item shall not be allowed to proceed without approved submittals for that item except at the risk of the Contractor. If Work is done with material that is not approved and subsequently does not gain approval, the Contractor shall remove and replace the material at no additional cost to the City of Durham.

C. Failure of the Contractor to provide adequate time for review and approval in the schedule for submittals shall not constitute a delay caused by the Engineer or City of Durham.

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION - Not Used

END OF SECTION

DIVISION 02 – EXISTING CONDITIONS

SECTION 02 65 00

UNDERGROUND STORAGE TANK REMOVAL

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
1. Removal and disposal of one unpermitted/regulated underground storage tank (UST) of unknown size liquid contents.
2. Removal, cleaning, and disposal of UST.
3. Excavation of contaminated soils (if applicable).
4. Backfilling and restoring excavation areas.
5. UST closure sample collection and testing conducted by Owner/Owner representatives.

1.2 RELATED REQUIREMENTS

A. Demolition: Section 02 81 00 DEMOLITION

B. UST Removal Excavation: Section 31 20 00, EARTHWORK

C. Excavation Backfilling: Section 31 20 00, EARTHWORK

1.3 PRICE AND PAYMENT PROCEDURES

A. Differing Site Conditions: Price for UST removal will be based on size of tank and gallons of tank contents/sludge removed. Extent of excavation of petroleum-impacted soil for UST removal will be limited to 100 cubic yards (180 tons). Approved backfill for excavation included. Variations less than 5 percent change are not cause for contract price and time adjustments. Additional work will be paid by unit prices as directed by the City of Durham.

B. UST Exploration and removal is being bid as an alternate bid to the project. Providing a cost for the tank removal does not guarantee that the alternate will be accepted by the City of Durham.

C. Bid Items
1. Mobilization: Mobilize to site for exploration and tank removal. Bid amount not to exceed 10% of total Alternate cost.
2. UST Exploration: Exploratory investigation and excavation for confirmation of UST location and size. If no UST is found, Contractor to backfill any excavations with soil removed during exploration.
3. UST Removal 2,000 gallons or less: Remove contents, clean and inert tank, remove tank and associated piping. Tank is unregulated. Size and contents are unknown. Costs for this item should be bid based on a tank size of 2,000 gallons or less.

4. Non-hazardous petroleum fuel transport/disposal: Transport and dispose of non-hazardous petroleum fuel from UST. Payment per gallon removed and disposed of based on tickets and waste disposal manifests from the permitted disposal facility approved by the City of Durham.
5. Non-hazardous petroleum fuel sludge transport/disposal: Transport and dispose of non-hazardous petroleum fuel sludge from UST. Payment per gallon removed and disposed of based on tickets and waste disposal manifests from the permitted disposal facility approved by the City of Durham.
6. Excavation/disposal petroleum impacted soil: Excavate petroleum impacted soils from area surrounding UST and dispose of impacted soil at appropriate facility. Payment per ton of soil disposed of based on tickets and waste disposal manifests from the disposal facility approved by the City of Durham.
7. Select Backfill and site restoration: Provide select backfill for excavation created with UST removal. Price includes select backfill material, placement, compaction, and restoration of excavated area with seeding per the seeding schedule shown in Appendix L.
8. UST Removal 2,001 to 5,000 gallon: Additional costs associated with a UST of 2,001 to 5,000 gallons. Price should reflect the additional costs for the larger tank on top of the cost provided in item 3.
9. UST Removal 5,001 to 7,000 gallon: Additional costs associated with a UST of 5,001 to 7,000 gallons. Price should reflect the additional costs for the larger tank on top of the cost provided in item 3.
10. UST Removal 7,001 to 10,000 gallon: Additional costs associated with a UST of 7,001 to 10,000 gallons. Price should reflect the additional costs for the larger tank on top of the cost provided in item 3.

1.4 APPLICABLE PUBLICATIONS

A. Comply with references to extent specified in this section.

B. American Petroleum Institute (API):
1. 1604-96(R2010) - Closure of Underground Petroleum Storage Tanks.
2. 2217A-09 - Safe Work in Inert Confined Spaces in the Petroleum and Petrochemical Industries.
3. 2015-14 - Safe Entry and Cleaning of Petroleum Storage Tanks.

C. Code of Federal Regulations (CFR):
1. 40 CFR Part 280 - Underground Storage Tanks; Technical Requirements.
2. 49 CFR Part 178 - Specifications for Packagings.

D. United States Environmental Protection Agency (EPA):
1. SW-846 - Evaluating Solid Waste: Physical/Chemical Methods.

Applicable State and local regulatory requirements for UST closure, including Underground Storage Tank (UST) system closure and corrective action requirements administered by the Division of Waste Management (DWM), Department of Environmental Quality(DEQ).

1.5 PRE-REMOVAL REQUIREMENTS

A. Obtain written approval from the Owner to conduct UST removal as an addition to the demolition scope of work. Demolition observations (Section 02 81 00 DEMOLITION)

will be used to determine if a UST is present and will be removed as part of the scope of work.

B. Present the selected permitted disposal facilities for Owner approval.

C. Present a written work and health and safety plan for Owner review. Health and safety is the sole responsibility of the Contractor, however, the Owner has the right to stop work due to unsafe work practices.

1.6 SUBMITTALS AND APPROVALS

A. Applicable regulatory notifications/reporting will be the responsibility of the Owner and its representatives.

B. Contacting the Fire Marshal will be the responsibility of the Contractor.

C. The Contractor shall notify the applicable public utility locating service.

D. Professional oversight, soil/groundwater sampling and testing, regulatory notifications and reporting (as applicable) will be the responsibility of the Owner and its representatives. Sampling and testing conducted by the Owner and its representatives will include, but not limited to:
1. UST liquid contents analysis.
2. Soil sample analysis.
3. Groundwater analysis
4. Other testing required by applicable Federal and State regulatory requirements.
5. Health and safety testing, including but limited to, LEL and oxygen percent readings for documenting that the tank and surrounding environment is safe for removal will be the responsibility of the Contractor. The Contractor will present the data to the Owner and its representatives in the field for approval to remove the UST.

E. Qualifications: Substantiate qualifications comply with specifications.
1. UST removal contractor.
2. Permitted liquid disposal facility.
3. Permitted UST disposal facility.
4. Permitted soils disposal facility.

F. UST removal plan.
1. Provide scope of work for UST closure

G. Record Documents:
1. Photographs of work in progress showing UST removal plan compliance.
2. Disposal facility waste manifests/receipts identifying type and quantity of materials disposed.
3. Documentation regarding notification and approval for UST closure from the local fire Marshal’s office.

1.7 QUALITY ASSURANCE

A. UST Removal Contactor: Experienced contractor, registered or licensed by applicable state agency regulating UST removal.

B. Testing Laboratory: State certified independent testing laboratory experienced in hazardous waste liquid and soil testing.

C. Liquid Disposal Facility: State certified/permitted disposal facility qualified to receive and dispose UST liquid contents.

D. UST Disposal Facility: State certified/permitted disposal facility qualified to receive and dispose UST.

E. Soils Disposal Facility: State certified/permitted disposal facility qualified to receive and dispose contaminated soils.

F. UST Removal Plan: The Contractor will provide detailed procedures for:
1. Removing and disposing UST liquid content.
2. Removing, ventilating, cleaning, and disposing UST.
3. Removing and disposing contaminated soils.

G. UST Final Closure Documentation: The Contractor will provide the following information:
1. Photographs of work in progress showing UST removal plan compliance.
2. Disposal facility waste manifests/receipts identifying type and quantity of materials disposed.
3. Documentation regarding notification and approval for UST closure from the local fire Marshal's office.

1.8 FIELD CONDITIONS

A. Work within the fenced work area and conditions stipulated under Section 02 81 00 DEMOLITION.

PART 2 - PRODUCTS

2.1 ACCESSORIES

A. Waste Collection Drums: 49 CFR Part 178; Type 1A2, steel, removable head, 200 L (55 gal.) capacity, capable of containing waste without loss (as applicable).

PART 3 - EXECUTION

3.1 PREPARATION

A. Contractor will coordinate demolition specified in Section 02 81 00, DEMOLITION required to access UST site.

3.2 UST SEQUENCE

A. The Contractor will provide the following:
1. Notify the Fire Marshal's office before UST closure.
2. Remove UST liquid contents, UST, and associated facilities.
3. Inert the atmosphere in the tank in accordance with applicable regulatory standards and local Fire Marshal requirements.
4. Remove contaminated soil identified by owner representative.
5. Backfill excavated area.
6. Restore excavation surfaces.

B. If evidence of a release is observed, it will be the sole responsibility of the Owner and its representatives to conduct required regulatory notifications.

3.3 UST CLOSURE

A. Conform to API 1604, 40 CFR Part 280, 29 CFR Part 1910, and 29 CFR Part 1926 and applicable State regulatory requirements for UST closure.

3.4 UST LIQUID CONTENTS REMOVAL

A. The Owners representative will be responsible for identification of UST contents. This information will be used by the Contractor to:
1. Meet the requirements of the selected permitted disposal facility.
2. Prepare a health & safety plan for Owner approval that identifies action levels for worker exposure, including LEL for constituents in gaseous form.

B. Remove UST liquid contents and inert the UST before removal.
1. Record liquid volume removed from UST.
2. Inspect the UST on-site after is has been secured to the transport vehicle to make sure there are no drips/leaks and that the LEL has stabilized to acceptable levels.
3. Obtain approval from the Fire Marshal and the Owner and its representatives to transport the UST off-site.

C. Deliver UST liquid contents to permitted disposal facility.
1. Obtain signed receipt/waste manifest including date, time, total liquid volume, and description of materials received.
2. Obtain final report of UST liquid contents disposition after disposal completion.

3.5 UST REMOVAL AND CLEANING

A. Excavate overburden and soils immediately surrounding UST to uncover the top of the tank to access the fill port, distribution lines and vent pipe.
1. Contain excavated materials to prevent loss and mixing with other materials until completion of initial soils testing/evaluation by the Owner and its representatives.

B. Utilize a vacuum truck to remove contents of the tank, including liquids and sludge using existing opening on the tank.

C. Utilize a pressure washer and water to wash and loosen residual sludge from interior tank walls and vent, fill and distribution lines. Utilize vacuum truck and conduct pressure washing from exterior of tank to avoid confined space entry.

D. Utilize a vacuum truck to evacuate remaining fluid from tank, fill, distribution and vent lines in a manner to prevent leaks/spills into the environment.

E. During the cleaning process, inert the tank using the vacuum truck to move air within the tank, dry ice and other approved methods to meet Fire Marshal and approved health and safety requirements.

F. Measure combustible gas and oxygen concentrations within UST.

G. Inert the tank by ventilate UST interior to reduce combustible gas concentrations to maximum 5 percent of lower explosive limit and to provide 19.5 to 23.5 percent oxygen concentration.

H. As needed, cut/puncture ports in UST wall facilitating cleaning access. Comply with applicable confined space entry requirements to conduct cleaning (if applicable). Meet applicable LEL/health and safety requirements before cutting/puncturing the tank for cleaning.

I. Upon Owner approval, remove UST from excavation.

J. Place UST on ground on plastic sheeting adjacent to removal location.

K. Secure UST and conduct final inspection. Conduct additional cleaning.

L. Confirm LEL and oxygen readings are within acceptable limits and obtain Owners Representative permission prior to loading onto the transport vehicle.

M. Dismantle UST as required for transport to disposal facility.

N. Load and secure UST and associated piping to transport vehicle and confirm there are no residual liquids that could leak from the tank.

O. Attached required labeling, markings and flagging for transport

P. Obtain Owner’s and Fire Marshal’s approval to transport UST off the property.

Q. Deliver UST, vent and distribution piping, removed access ports, and removed liquids and sludges to approved permitted disposal facilities.
   1. Obtain signed receipt/waste manifests including date, time, quantity, and description of materials received.
   2. Obtain final report of materials disposition after disposal completion.

3.6 SOIL TESTING

A. UST closure testing to meet applicable regulatory requirements will be conducted by the Owner’s representative.

B. The Contractor will utilize mobilized UST removal/excavation equipment to assist the Owners representative, as needed, for the collection of samples.

C. The Owner's representative will direct the contractor for the excavation of impacted soil associated with the UST (if any).
   1. The base price for volume between the final tank volume of material for the enclosure and the enclosure shall not to exceed 100 cubic yards/180 tons of soil removed. Any work beyond 100 cubic yards/180 tons shall be considered extra and shall be based on unit pricing.

3.7 CONTAMINATED SOIL REMOVAL

A. The Contractor will identify the permitted disposal facilities and will fill out waste profiles for Owner review and approval.

B. Excavate contaminated materials as specified in Section 31 20 00, EARTHWORK.

C. Remove and dispose of up to 100 cubic yards/180 tons contaminated soil at a permitted off-site facility from site according to applicable regulatory requirements under the direction of the Owners representative.

D. Deliver contaminated soils to approved permitted disposal facility.
   1. Obtain signed receipt/waste manifest (or appropriate bill of lading) including date, time, quantity, and description of materials received.
   2. Obtain final report of materials disposition after disposal completion.

3.8 UST EXCAVATION BACKFILL AND RESTORATION

A. Backfill excavation with fill materials and compact as specified in Section 31 20 00

B. Backfilling of the excavation will commence per notification of the Owners representative immediately after contaminated soil excavation activities have been completed. The Owner does not intend to leave an open excavation. As such, the Contractor will provide backfill and restoration under the same mobilization as UST removal and contaminated soil removal.

END OF DOCUMENT

DIVISION 02 – EXISTING CONDITIONS

SECTION 02 81 00 – STRUCTURE DEMOLITION

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of Contract, including General and Supplementary Conditions and other Division-1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes:
1. Staging/logistic plan for Owner and Owners representative approval prior to mobilizing to the site.
2. Details for site access and egress.
3. Site security and signage.
4. Staging of equipment and materials.
5. Use and disconnection of site utilities.
6. Furnishing all labor, materials and equipment necessary to perform all demolition work as required by drawings, as specified in this section.
7. Details regarding building features that will be left intact and building materials to be stored on site for reuse by Owner.

B. Related Items: Appendix L

C. Related Sections: The following sections contain requirements that relate to this Section:
1. Division 2 Sections for abatement of asbestos-containing materials (ACM), materials containing lead-based coatings, universal wastes, polychlorinated biphenyl (PCB)-containing caulking and associated impacted masonry material and soil.

1.3 DEFINITIONS

A. Vegetation: Trees, shrubs, groundcovers, grass, and other plants

B. Demolition (demolish): Means the complete wrecking of buildings or site features with little or no regard for salvaging materials (unless otherwise specified in this section) or construction items for reuse, except as desired by the Contractor, and the transporting and legal disposal of demolished structures and other debris off the project site.

C. Removal (remove): Means the careful dismantling or disassembly of building or site features to retrieve materials or construction items in such a manner that they may be reused for their original purpose or for other purposes. Items indicated to be removed shall be maintained in the same condition as existed prior to removal, until they are stored on site at a location designated by the Owner or Owners Representative.

D. Salvage: Means items of possible value to the Contractor.

E. Reuse: Means specified materials that will be salvaged by the Contractor and provided to the City for future use on the Project.

F. Selective Demolition: Means the demolition of specific portions of an existing building, structure, or site improvement together with subsequent removal of resulting debris.

G. Protection (protect): Means to provide for the prevention of injury to persons and site features, including buildings, building features, or site improvements, subsurface utilities, finishes, and mechanical/electrical systems.

H. Recycle: Means removal or extraction of specific material to be recycled in accordance with and Construction Waste Management.

I. Existing to Remain: Existing items of construction that are not to be removed and that are not otherwise indicated to be removed, removed and salvaged, or recycled.

J. Abatement: Includes the removal of ACM, lead-based coatings, PCB-containing building material and impacted soil, universal wastes and other building materials requiring specialized removal, handling and disposal.

1.4 MATERIALS OWNERSHIP

A. Except for materials identified for reuse (as indicated to be stockpiled or to remain Owner's property), or as proven to be owned by adjacent property Owners or public utility services, demolition materials shall become Contractor's property and shall be removed from the site in a safe and lawful manner. Contractor shall coordinate with property Owners, and public utilities for removal of their property. Contractor is responsible for following all applicable laws with handling and hauling of waste from the site.

B. Return all water meters to the Owner/City (as applicable).

C. Return all electrical meters to the Utility owner (as applicable)

1.5 SUBMITTALS

A. Schedule of demolition activities. Indicate the following:
   1. Detailed sequence of initial mobilization and abatement work followed by demolition work, with starting and ending dates of each activity.
   2. Staging/logistics plan for Owner and Owner’s Representative approval prior to mobilizing to the site.

B. Photographs or videotape, sufficiently detailed of existing conditions of trees and plantings, site and City utilities, exsiting roadways and site access points, adjoining construction, and site improvements that might be misconstrued as damage caused by site clearing.

C. Waste Profiles: Prior to the start of demolition, submit Waste Profiles for Owner/Owners Representative review and approval for all wastes that will be generated during abatement. Includes identification of proposed disposal facilities and applicable State permit information.

D. Landfill Records: Indicate receipt and acceptance of wastes, including applicable disposal manifests and quantities of materials.

E. Health & Safety: Contractor will provide a site-specific Health and Safety Plan for Owner/Owners Representative review and approval prior to the start of work. Includes the submittal of documentation of appropriately trained personnel.

F. Existing Conditions Assessments: Contractor to submit Closed Caption Television (CCTV) reports of the existing condition of any gravity utilities onsite and adjacent to the site that could be disturbed during construction to document the existing condition of these pipes. CCTV work must be performed by a NAASCO certified company/technician.

1.6 EXISTING CONDITIONS

A. Permitting: The Contractor shall be responsible for securing all Demolition Permits, where applicable, from appropriate government agencies.

B. The contractor will be responsible for obtaining all approvals from licensed disposal facilities for waste disposal.

1.7 QUALITY ASSURANCE

A. Demolition Firm Qualifications: A firm that specializes in demolition and abatement and has demonstrated experience with similar projects per requirements found in Division 00 and 01 of this project manual.

B. Comply with regulatory standards for health and safety and for waste handling and disposal as described in related Sections of this Project Manual.

C. Pre-demolition Conference: Conduct conference at Project site to comply with requirements described under the Invitation to Bid (Section 00 11 16). Review methods and procedures related to demolition including, but not limited to the following:
1. Inspect and discuss condition of construction to be demolished.
2. Review and finalize demolition schedule and verify availability of demolition personnel, equipment and facilities needed to make progress and avoid delays.

1.8 PROJECT CONDITIONS

A. Explosives: Use of explosives will not be permitted.

B. Traffic: Minimize interference with adjoining roads, streets, walks, and other adjacent occupied or used facilities during site-clearing operations.
1. Do not close or obstruct streets, walks, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction.
2. Provide alternate routes around closed or obstructed traffic ways if required by Owner or authorities having jurisdiction.
3. Ensure safe passage of persons around area of demolition and erect temporary passageways as required by authorities having jurisdiction.
4. Conduct operations to prevent damage to adjacent structures and injury to pedestrians and area residents and businesses.
5. Provide traffic control measures per the most recent MUTCD guidelines.
6. Contractor must submit a traffic control plan for approval prior to

performing any traffic control activities.

7. Contractor shall ensure that no traffic control measures prohibit fire access to the site.

C. ACM and Hazardous/potentially materials: ACM, lead-based coating and PCB-containing building materials and impacted soil and universal wastes. See Limited Hazardous Materials Survey Report, prepared by F&R, dated (insert date) for the identification, location and estimated quantities of the above-referenced material.

1. Follow applicable regulations as described in the applicable sections of this Project Manual.
2. Under no circumstances should untrained/unprotected workers perform activities that disturb the above-referenced material.
3. All abatement activities for the above-mentioned materials shall be conducted in accordance with Sections 02 82 00, 02 83 00, 02 84 00, and 02 90 00.

D. Utility Locator Service: Notify NC One Call for area where Project is located before performing any excavation activities.

E. Do not commence operations until temporary fencing and erosion and sedimentation control measures are in place.

F. Limit soil disturbance from vehicle/heavy equipment traffic, utility disconnect work, construction entrance work, temporary fence installation and PCB-impacted soil excavation as specified in applicable section of this Project Manual.

G. Damages: Promptly repair any damages caused to adjacent facilities by demolition operations.

H. Utility Services: Maintain existing utilities as necessary for initial abatement activities and protect against damage during demolition operations. Locate and identify existing utilities entering site. Expose utilities using hand-tools; confirm depth, direction, and status of each respective utility. Do not interrupt existing utilities serving adjacent occupied facilities without Owner approval. Cooperate with owner and utility companies in keeping services and facilities in operation. Restore all damaged utilities to the satisfaction of the utility owner. Any temporary utility service coordination, permitting, and costs are the responsibility of the Contractor and should be coordinated with the Owner. Disconnecting and sealing indicated utilities before starting demolition is part of this work as described under Part 2 Execution.

PART 2 PRODUCTS

2.1 MATERIALS

A. See Appendix L: Site Demolition Detail sheets for information regarding temporary fencing, tree protection and silt fence/erosion control.

B. Signage as described in Section 3.3

PART 3 EXECUTION

3.1 PREPARATION

See Appendix L for additional details.

A. Contractor to install a temporary in-ground six-foot high chain link fence at the approximate locations and per the details shown in Appendix L.

B. Demolition shall include removal of ACM, materials containing lead-based coatings, universal wastes, PCB-containing building material and soil as described in Sections 02 82 00, 02 83 00, 02 84 00 and 02 90 00. Verification by the Owner or Owners representative that removal/abatement activities have been completed is required before demolition can commence.

C. Contractor to install silt fence inside the chain-link fencing at the approximate locations and per the details shown in Appendix L. The fencing will remain in-place after work has been completed for site security purposes and will be removed by others. As such, the temporary fencing will be the property of the Owner.

D. All demolition-related activities will be conducted within the designated fenced-in area. The fence will remain in-place after demolition activities have been completed and to be removed by the City or another Contractor under a separate Contract.

E. Signage will be posted on the exterior of the fencing at 20-foot intervals stating "Access Restricted – Authorized Personnel Only" or using other similar language approved by the Owner.

F. Primary site access and egress will be through Entrance A. Entrance B is to be considered an Emergency access only due to existing conditions of the sanitary and storm pipes in this area. Use of Entrance B for non-emergency use may be considered by the Owner if the Contractor provides additional information regarding stability of the paved surface for vehicle access and/or provides a proposal to stabilize the area for demolition-related traffic that is approved by the Owner and Owner's Representative.

G. The "Access Restricted" area shown in Appendix L shall not be used for any Construction purposes, unless approved by the Owner. Fence shall be installed around area as shown. Contractor to install 4' wide gate as shown. Gate shall be locked at all times and the Contractor is to provide the Owner and Owner's onsite representative with a key for access.

H. Contractor to install gravel construction entrance, at a minimum, in the area shown. Should the Contractor track excess sediment and debris off-site, the Contractor will be responsible for cleaning street surfaces and/or expanding this area or adding additional measures to minimize the export of sediment to the satisfaction of the Owner.

I. Protection for the trees specified in Appendix L will be provided.

J. The asphalt paved parking area along the south side of the building shall be used for staging. If the Contractor feels additional staging area is required, Contractor shall submit a proposed plan to the Owner for approval.

K. Contractor responsible for maintaining a site that is as clean and presentable as practical including regular lawn maintenance within the construction area during the duration of demolition.

3.2 TEMPORARY FENCING AND EROSION AND SEDIMENTATION CONTROL

A. Provide temporary erosion- and sedimentation-control measures in accordance with Durham County and North Carolina Department of Environmental Quality requirements to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways. See Appendix L for details.

B. Provide temporary fencing as described in Section 3.1

C. Inspect, maintain, and repair temporary fencing and erosion and sedimentation-control measures during construction.

D. Erosion and sedimentation controls will be removed after substantial completion of the project and all existing inlets restored.

E. Temporary fencing and gates to remain in place.

3.3 UTILITIES

A. Use of site utilities by the Contractor is allowed for abatement activities, with prior approval of the Owner as described in the Project Manual.

B. Arrange for disconnecting and sealing indicated utilities that serve existing structures before demolition.
   1. Verify that utilities have been disconnected and capped to the building foundation and meters removed before proceeding with demolition.

C. Locate, identify, disconnect, and seal or cap utilities to the building foundation.
   1. Arrange with utility companies to shut off indicated utilities.
   2. Owner will arrange to shut off indicated utilities when requested by Contractor.
   3. Use like materials to cap existing utilities. All materials used to cap existing utilities subject to approval by the Engineer

D. Interrupting Existing Utilities: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary utility services according to requirements indicated:
   1. Do not proceed with utility interruptions without Owners written permission
   2. Notify owner not less than 7 days in advance of proposed utility interruptions.

E. Excavate and remove underground utilities indicated to be removed.

F. The City will provide a metered water connection for the Contractor. Upon successful completion of the demolition, the metered water connection will remain in place for future work by others. The City will pay for metered water costs directly related to the execution of the scope of work presented in the Project Manual.

3.4 SITE IMPROVEMENTS

A. Demolition of the building will include the removal of walls, ceilings, roofing material, fixtures and mechanical equipment. Masonry floor surfaces and foundation structures will be left in-place to be removed under a separate contract. Vertical walls and structures will be removed to within a minimum of six-inches of the surrounding (remaining) floor slab.

B. Impervious roadway and parking surfaces will remain in place.

C. Stormwater drains and piping will remain in-place. Erosion control devices will be installed around existing drop inlets in accordance with applicable requirements.

D. All building patios, sidewalks, steps, ramps and concrete pads shall remain in-place.

E. The exterior chimney shall be removed.

F. Exterior light poles, HVAC and electrical equipment will be removed. Concrete pads to exterior equipment will remain.

G. Use water sprinkling, temporary enclosures, and other suitable methods/engineering controls as necessary to limit the amount of dust and dirt rising and scattering in the air, to the lowest level of air pollution practical for the condition of work. Comply with governing regulations. Clean adjacent structures and improvements of all dust, dirt, and debris caused by demolition operations, and as directed by Owner. Return adjacent areas to the condition existing prior to the start of work.

H. Heavy equipment will be used to breach the bottom of the pool at its deepest point. The pool will be filled-in with inert masonry debris free of potential contaminants, metal, plastic wiring or other building materials/fixtures. The inert concrete will consist of broken pieces for possible reuse by the Owner. The scope of work does not including crushing the concrete to meet specific aggregate needs. The final grade will be approximately equal to the surrounding concrete floor surface.

I. Demolition includes the possible removal of a potential underground storage tank (UST) on the exterior of the north side of the building adjacent to the boiler room. Care will be exercised during demolition to avoid disturbing the foundation and ground surface in this area. The UST may be removed as an alternate line item under this contract. This applies to any other UST(s), if any, discovered during building demolition.

J. Demolition includes the removal of the materials identified in Appendix L for possible reuse by the Owner as described in 3.4.

K. Rough grade and seed non-paved areas disturbed by heavy equipment as needed per the direction of the Owner or Owners representative and Contract Documents.

L. The floor slab above the crawlspace will remain intact, mechanical, electrical, and plumbing fixtures and associated ACM will be removed from the crawlspace.

M. The remaining concrete and asphalt surfaces should generally remain intact and its condition should be sufficient to not expose soil to significant erosion. If needed, crushed inert building debris can be used to stabilize areas where heavy equipment has displaced portions of remaining concrete and asphalt surfaces to the point where is could potentially create soil erosion concerns.

3.5 STAGING AND DISPOSAL OF SURPLUS AND WASTE MATERIALS

A. Remove the items listed below from the building for future reuse by the Owner. Items nos. 1 and 2 listed below will be placed into a locked 10-foot long waterproof Conex-type storage box within the staging area shown in Appendix L. Items nos. 3 and 4 will be stacked on-site at a location approved by the owner. The Conex-type storage box will be moved by the contractor to an off-site location specified by the Owner within the City limits of Durham NC. The weight of the materials in the Conex-type box will not exceed applicable transport limits. At this time one Conex-type box is assumed to be needed to meet project needs. Should additional Conex-type boxes be needed any additional cost to the Owner shall be submitted as a change order to the contract and require approval prior to Contractor providing them. The Contractor will maintain the Conex box(es) until project completion, deliver the box to a designated location, and will remain the property of the Owner upon completion of the contract. The Contractor will provide and list of stockpiled material for review and approval by the Owner and/or Owners representative. Materials designated for reuse include the following:

1. Wooden benches with metal supports in locker room.
2. Metal (blue) bike rack in front of building.
3. Masonry coping around rim of pool.
4. Masonry coping on top of brick wall on the front side of the patio to the main building entrance.

B. Remove surplus demolished materials, and waste materials including trash and debris, and legally dispose of them off Owner's property at a facility permitted to accept the waste.

C. Separate recyclable materials produced during demolition from other non-recyclable materials. Temporarily store or stockpile without intermixing with other materials and transport them to recycling facilities.

D. Recycled Materials: Separate and recycle waste materials including but not limited to concrete, steel and asphalt. Monitor and provide documentation confirming amount of recycled material (by weight or volume) diverted from the landfill compared to the overall amount of material not diverted.

E. Burning of removed materials will not be permitted on the site.

END OF SECTION

DIVISION 02 – EXISTING CONDITIONS

SECTION 02 82 00 – ASBESTOS REMOVAL

PART 0 ABATEMENT DESIGN AUTHORIZATION

The following Asbestos Abatement Design Specification has been prepared by Christopher P. Shaw, CIH (NC Accreditation #40481), a North Carolina Health Hazards Control Unit Accredited Asbestos Abatement Designer.

PART 1 GENERAL REQUIREMENTS

1.1 SCOPE OF WORK

A. This asbestos abatement Project shall consist of removal, disposal, and installation of engineering controls with regard to identified asbestos-containing materials (ACM) to be impacted by building demolition activities at the Former Duke Diet and Fitness Center located at 808 West Trinity Avenue in Durham, North Carolina.

B. Identified ACMs associated with the aforementioned scope of work include the following:

ASBESTOS-CONTAINING MATERIALS INVENTORY			
Material Description	**Material Location(s)**	**Result (Percent ACM)**	**Estimated Quantity**
Interior			
Fiberboard Coating [1]	Gym – Ceiling	3% Chrysotile	10,000 SF
Caulking (White/Grey) *	Exterior Doors [5] – Masonry Opening Windows [5] – Masonry Opening	2-3% Chrysotile	18 SF (200 LF)
Carpet / Floor Tile Mastic (Yellow/Black)	Throughout – Beneath Carpet and Floor Tile	3-5% Chrysotile	10,500 SF
Leveling Compound [2]	Throughout – Beneath Carpet and Floor Tile	35% Chrysotile	1,050 SF (10% of Area)
"Cobblestone" Linoleum Flooring (A) and Mastic (B) [3]	Suite 120 / Kitchen – Linoleum Flooring	30% Chrysotile (A) 10% Chrysotile (B)	1,000 SF
Corrugated/Cardboard Type Pipe Insulation	Pool Mechanical Room – Off/On Component	60% Chrysotile	20 CF / 50 LF
Insulated Fittings / Elbows	Pool Mechanical Room / Crawlspace / Boiler Room	25 – 65% Chrysotile	10 / 50 / 20 Units
Asbestos Cement Board [4]	Pool / Pool Mechanical Room – Ceiling	20% Chrysotile	6,000 SF
6" Covebase Mastic	Throughout (much of the covebase is removed)	3-5% Chrysotile	135 SF (1,600 LF)
White Pipe Ends	Boiler Room	10% Chrysotile	25 Units
Fire Doors	Throughout	Assumed	40 Units
Exterior			
Caulking (White/Grey) *	Door and Window Masonry Opening (Excluding North Alley Doors / Entrance Non-Operable Windows/Doors / Pool Glass Curtain Wall)	3-5% Chrysotile	18 SF (200 LF)

SF = Square Feet | LF = Linear Feet | CF = Cubic Feet | TBD = To Be Determined

* These caulking materials contain some level of PCB content ranging from .84 mg/Kg – 5.8 mg/Kg. Additionally asbestos containing caulking associated with exterior doors which are painted blue have a Lead content greater than 1.0 mg/cm^2. See Project Manual Sections 02 83 00 Lead in Construction and 02 84 00 PCB Remediation for additional information regarding appropriate handling and disposal of materials.

[1] The Fiberboard Coating on the Gym Ceiling is approximately thirty (30) feet above the Gym Floor. The finished Gym Floor has since been removed exposing a diagonal planked subfloor. In many areas, finishing nails protrude from subfloor. The Fiberboard itself constitutes the bottom layer of the roofing system which is laid into a support grid similar to that of a drop ceiling with ceiling tiles laid into a support grid. Scraping the Coating off the Fiberboard from the interior may impact the structural integrity of the roof.

[2] Leveling Compound has been observed in various locations beneath flooring finishes and is friable. For quantification purposes, it is assumed that this material is present on approximately 10% of the flooring area beneath current flooring finishes; actual quantity may vary.

[3] "Cobblestone" Linoleum Flooring utilized within Suite 120 is beneath a layer of non-asbestos vinyl floor finish.

[4] Asbestos Cement Board located at the ceiling in the Pool / Pool Mechanical Room is approximately thirty (30) feet in height and constitutes the bottom layer of the roofing system which is laid into a support grid similar to that of a drop ceiling with ceiling tiles laid into a support grid.

[5] Asbestos-Containing White/Grey Caulking was found within the masonry opening of several exterior doors and windows; it is the responsibility of the contractor to confirm the presence of such caulking at each location. Newer, non-asbestos caulking may conceal this material.

Additionally, off-component pipe insulation debris litters the floor throughout the building from previously removed copper piping. As such, a limited number of ACM bulk samples were collected with regard to the off-component pipe insulation debris. Analytical results of such samples indicated sampled materials from the hallways to be non-asbestos containing; however, samples collected in the Pool Mechanical Room were found to be asbestos-containing. In addition, on-component insulated pipe fittings located within the Pool Mechanical Room, Crawlspaces, and Boiler Rooms were analytically determined to be asbestos-containing. **As a result of asbestos-containing pipe insulation and fittings identified within portions of the building, the possibility of friable asbestos-containing off-component thermal systems insulation (TSI) material debris contaminating the building cannot be precluded.**

C. The Contractor shall be aware of all conditions of the Project and is responsible for verifying quantities and locations of all work to be performed. Failure to do so shall not relieve the Contractor of its obligation to furnish all labor and materials necessary to perform the Work.

D. This specification indicates minimum requirements for the removal of asbestos-containing materials at the subject site. The below requirements detailed in this specification are intended as a guide and shall not supersede applicable Federal, State, or Local regulations. Requirements are generally based upon applicable Federal and State Regulations, as well as generally accepted industry standards. Where more stringent requirements exist, such procedures shall be followed.

E. Working hours shall be as required and approved by the Owner. Asbestos abatement activities including, but not limited to, work area preparation, gross removal activities, cleaning activities, waste removal, etc. may need to be performed during 'off-hours' (including nights and weekends). In addition, multiple mobilizations may be required to perform the work identified in this project. The Contractor shall coordinate and schedule all Work with the facility and Owner's representative.

1.2 SPECIAL JOB CONDITIONS

A. This Project will consist of recycling building materials. As such, identified materials with hazardous constituents shall be appropriately handled, removed, and disposed/recycled in accordance with applicable regulations. See Section 02 81 00 Structure Demolition for further information regarding material recycling.

1.3 PERMITS AND COMPLIANCE

A. The Contractor shall assume full responsibility and liability for compliance with all applicable Federal, State, and local laws, rules, and regulations pertaining to Work practices, protection of Workers, authorized visitors to the site, persons, and property adjacent to the Work.

B. Perform asbestos related Work in accordance with North Carolina State Regulations (10A NCAC 41C .0601 – Asbestos Hazard Management Program (AHMP)) administered by the North Carolina Health Hazards Control Unit (HHCU), Federal Regulations 40 CFR Part 61, Subpart M

– National Emission Standard for Asbestos (NESHAP) and 29 CFR Part 1926. Where more stringent requirements are specified, adhere to the more stringent requirements.

C. The Contractor shall maintain on-site for inspection: the Asbestos Abatement Permit issued by the North Carolina Health Hazards Control Unit (HHCU); all appropriate Personnel documentation (HHCU Accreditation, Respiratory Fit Test Results, etc.); Health and Safety Plan; Material Safety Data Sheets (SDS) for any chemicals that will be utilized during the Project; any other documentation deemed appropriate by the Contractor.

D. The Contractor must maintain current licenses pursuant to the HHCU for all Work related to this Project, including the removal, handling, transport, and disposal of asbestos containing materials.

E. The Contractor must have and submit proof upon request that any persons employed by the Contractor to engage in or supervise Work on any asbestos Project have valid HHCU asbestos worker and supervisor accreditations pursuant to AHMP regulations.

F. The Contractor assumes the responsibility of proceeding in such a manner that employees are offered a workplace free of recognized hazards which may cause or are likely to cause death or serious injury. The Contractor shall be responsible for performing the abatement and disposal of ACMs in a manner to prevent visible emissions or otherwise cause a fiber release episode.

G. The Contractor shall be responsible for security of the Work site and areas.

H. Alcohol, drugs, or any other type of controlled substance are strictly prohibited at the work site.

I. The Contractor is responsible for the behavior of workers within employment. If at any time employees are judged to exhibit unfitting or nuisance behavior by the Owner or the Owner's representative, the Contractor shall immediately remove that employee.

1.4 SUBMITTALS

A. On-Site Submittals: Refer to Part 3.01.C for all submittals, documentation, and postings required to be maintained on-site during abatement activities.

B. Project Close-out Submittals: Within 30 days of the completion of abatement, the Contractor shall submit copies of the documents listed below. One set of the documents shall be transmitted to the Owner and one set to the Owner's representative for review and approval.
1. Waste disposal manifests.
2. OSHA compliance air monitoring records conducted during the Work or previous exposure assessment.
3. Daily progress log.
4. A list of all Workers used in the performance of the Project, including name, HHCU accreditation numbers and type of certification (i.e. supervisor, worker, etc.).
5. Project notifications, amended notifications, HHCU Asbestos Abatement Permit.
6. Visit Logs
7. Incident Investigation Reports

1.5 PRE-CONSTRUCTION CONFERENCE

A. Prior to start of preparatory Work under this Contract, the Contractor shall attend a pre-construction conference attended by Owner, Facility Personnel, and Environmental Consultant.

B. Agenda for this conference shall include but not necessarily be limited to:

1. Contractor's scope of Work, Work plan, and schedule to include number of workers and shifts.
2. Contractor's safety and health precautions including protective clothing and equipment and decontamination procedures.
3. Environmental Consultant's duties, functions, and authority.
4. Contractor's Work procedures including:
   a. Methods of job site preparation and removal methods.
   b. Respiratory protection.
   c. Disposal procedures.
   d. Cleanup procedures.
   e. Fire exits and emergency procedures.
5. Contractor’s required pre-work and on-site submittals, documentation, and postings.
6. Contractor's plan for twenty-four (24) hour Project security both for prevention of theft and for barring entry of unauthorized personnel into Work Areas.
7. Temporary utilities.
8. Storage of removed asbestos containing materials.
9. Waste disposal requirements and procedures.

C. In conjunction with the conference the Contractor shall accompany the Owner and Environmental Consultant on a pre-construction walk-through reviewing overall Work plan, location of fire exits, fire protection equipment, water supply and electric tie-in.

1.6 APPLICABLE STANDARDS AND REGULATIONS

A. The Contractor shall comply with the following codes and standards, except where more stringent requirements are shown or specified:

B. Federal Regulations:
1. 29 CFR 1910.1001, "Asbestos" (OSHA)
2. 29 CFR 1910.1200, "Hazard Communication" (OSHA)
3. 29 CFR 1910.134, "Respiratory Protection" (OSHA)
4. 29 CFR 1910.145, "Specification for Accident Prevention Signs and Tags" (OSHA)
5. 29 CFR 1926, "Construction Industry" (OSHA)
6. 29 CFR 1926.1101, "Asbestos, Tremolite, Anthophyllite, and Actinolite" (OSHA)
7. 29 CFR 1926.500 "Guardrails, Handrails and Covers" (OSHA)
8. 40 CFR 61, Subpart A, "General Provisions" (EPA)
9. 40 CFR 61, Subpart M, "National Emission Standard for Asbestos" (EPA)
10. 49 CFR 171-172, Transportation Standards (DOT)

C. North Carolina Regulations:
1. 10A NCAC 41C .0601 – Asbestos Hazard Management Program (AHMP)
2. DOL Chapter 7, Title 13 of the North Carolina Administrative Code
3. DOT Title 19A of the North Carolina Administrative Code
4. Solid Waste Management Chapter 13, Title 15A of the North Carolina Administrative Code

D. Standards and Guidance Documents:
1. American National Standard Institute (ANSI) Z88.2-80, Practices for Respiratory Protection
2. ANSI Z9.2-79, Fundamentals Governing the Design and Operation of Local Exhaust Systems
3. EPA 560/585-024, Guidance for Controlling Asbestos Containing Materials in Buildings (Purple Book)
4. EPA 530-SW-85-007, Asbestos Waste Management Guidance
5. ASTM Standard E1368 “Standard Practice for Visual Inspection of Asbestos Abatement Projects.”

1.7 NOTICES

A. The Contractor shall provide notification of intent to commence asbestos abatement activities as indicated below.
   1. At least ten (10) Working days prior to beginning asbestos management activities, send written notification to:
      Health Hazards Control Unit
      NCDHHS – Division of Public Health
      1912 Mail Service Center
      Raleigh, North Carolina 27699-1912

B. The Contractor shall be responsible for maintaining current project filings with regulatory agencies for the duration of the project.

1.8 PROJECT MONITORING AND AIR SAMPLING

A. The Owner shall engage the services of an Environmental Consultant (the Consultant) who shall serve as the Owner's Representative with regard to the performance of the asbestos abatement Project and provide guidance as required throughout the entire abatement Project period.

B. The Contractor is required to ensure cooperation of its personnel with the Consultant for the ambient asbestos air sampling and Project monitoring functions described in this section. The Contractor shall comply with these contract documents and all applicable regulations during the course of the Project.

C. The Consultant shall provide the following administrative services:
   1. Review and approve or disapprove all submittals, shop drawings, and samples.
   2. Document that all notifications to governmental agencies by the Contractor are submitted in a timely manner and are correct in content.

D. The Consultant shall staff the Project with a trained and accredited person(s) to act on the Owner's behalf at the job site. This individual shall be designated as the Abatement Project Monitor (APM).
   1. The APM shall be on-site at all times the Contractor is on-site. The Contractor shall not be permitted to conduct any Work following approval of work area preparation unless the APM is on-site or otherwise approved (except for inspection of barriers and negative air system during non-working days).
   2. The APM shall have the authority to direct the actions of the Contractor verbally and in writing, if necessary, to ensure compliance with the Project documents and all applicable regulations. The APM shall have the authority to Stop Work when gross work practice deficiencies or unsafe practices are observed, or when ambient fiber concentrations outside the removal area exceed .01 f/cc.
      a. Such Stop Work order shall be effective immediately and remain in effect until corrective measures have been taken and the situation has been corrected.
      b. Standby time required to resolve the situation shall be at the Contractor's expense.
   3. The APM shall provide the following services:
      a. Inspection of the Contractor's work, practices, and procedures, including temporary protection requirements, for compliance with applicable regulations and Project specifications.
      b. Provide abatement Project air sampling as required by applicable regulations and the Owner. Sampling shall be conducted prior gross removal, during gross asbestos handling, final cleaning, and clearance air sampling.

c. Verify daily that all Workers used in the performance of the Project are accredited by the appropriate regulatory agency.
d. Monitor the progress of the Contractor's Work, and report deviations from the schedule to the Owner.
e. Monitor, verify, and document waste load-out operations.
The APM shall maintain a log on-site that documents project related and Consultant and Contractor actions, activities, and occurrences.

4. The following minimum inspections shall be conducted by the APM. Additional inspections shall be conducted as required by Project conditions. Progression from one phase of Work to the next by the Contractor is only permitted with the approval of the APM.
   a. Pre-Construction Inspection: The purpose of this inspection is to verify the existing conditions of the Work Areas and to document these conditions.
   b. Pre-Commencement Inspection: The purpose of this inspection is to verify the integrity of each containment system prior to disturbance of any asbestos containing material. This inspection shall take place only after the Work Area is fully prepped for removal.
   c. Work Inspections: The purpose of this inspection is to monitor the Work practices and procedures employed on the Project and to monitor the continued integrity of the containment system. Inspections within the removal areas shall be conducted by the APM during all preparation, removal, and cleaning activities at least twice every Work shift. Additional inspections shall be conducted as warranted.
   d. Visual Clearance Inspection: The purpose of this inspection is to verify that: all materials in the scope of work have been properly removed; no visible asbestos debris/residue remains; no pools of liquid or condensation remains; and all required cleanings are complete. This inspection shall be conducted before application of encapsulant, if utilized, and final air clearance testing.
   e. Post-Clearance Inspection: The purpose of this inspection is to confirm the complete removal of ACM, including debris, from the Work Area after satisfactory final clearance sampling and removal of all isolation and critical barriers and equipment from the Work Area.
   f. Punch List Inspection: The purpose of this inspection is to verify the Contractor's certification that Work has been completed as contracted and the existing condition of the area prior to its release to the Owner.

E. The Consultant shall provide abatement Project air sampling and analysis as required by applicable regulations. Sampling shall be conducted prior to gross removal, during gross asbestos handling, final cleaning, and following completion of abatement work (clearance air sampling. Air sampling shall be conducted in accordance with the Asbestos Abatement Air Monitoring Plan provided by the Consultant’s HHCU Accredited Supervising Air Monitor (SAM).
   1. Unless otherwise required by applicable regulations, the Consultant shall have ambient samples analyzed by Phase Contrast Microscopy (PCM). Results shall be available at the Project site within 24 hours of completion of sampling.
   2. Samples shall be collected as required by applicable regulations and these specifications. PCM air sampling shall be required during all phases of work. This structure is scheduled for demolition following abatement activities; as such, final clearance air sampling may be conducted utilizing PCM methodology. If PCM air sample analysis results exceed the satisfactory criteria, then Transmission Electron Microscopy (TEM) analysis of air samples may be used. All air sampling shall be conducted in accordance with standards for air sampling set forth within the AHMP. PCM samples may be analyzed on-site by an appropriately trained analyst rated as proficient in the AIHA Asbestos Analysts Registry (AAR) Program; otherwise, PCM samples shall be analyzed by a laboratory/entity with a rating of proficient by the AIHA IHPAT Program. TEM samples shall be analyzed by an appropriately accredited NVLAP laboratory participating in the AIHA IHPAT Program.

3. If the air sampling during any phase of the abatement project reveals airborne fiber levels at or above .01 fibers/cc (f/cc) outside the regulated Work Area, Work shall stop immediately and corrective measures required by applicable regulations shall be initiated. Notify all employers and occupants in adjacent areas. The Contractor shall bear the burden of any and all costs incurred by this delay.

1.9 CONTRACTOR AIR SAMPLING

A. The Contractor shall be required to perform personal air monitoring pursuant to the requirements of OSHA 1926.1101 in order to determine that appropriate respiratory protection is being worn and utilized unless a previous exposure assessment for similar work has been conducted.

B. The Contractor shall conduct air sampling that is representative of both the 8-hour time weighted average and 30-minute short-term exposures to indicate compliance with the permissible exposure and excursion limits unless a previous exposure assessment for similar work has been conducted.

C. The Contractor's laboratory analysis of air samples shall be conducted by a NVLAP accredited laboratory.

D. Results of personnel air sample analyses shall be available, verbally, within twenty-four (24) hours of sampling and shall be posted upon receipt. Written laboratory reports shall be delivered and posted at the Work site within five (5) days. Failure to comply with these requirements may result in all work being stopped until compliance is achieved.

1.10 PROJECT SUPERVISOR

A. The Contractor shall designate a full-time Project Supervisor who shall meet the following qualifications:
1. The Project Supervisor shall hold North Carolina HHCU accreditation as an Asbestos Supervisor.
2. The Project Supervisor shall meet the requirements of a "Competent Person" as defined by OSHA 1926.1101 and shall have a minimum of one year experience as a supervisor.
3. The Project Supervisor must be able to speak, read, and write English fluently, as well as communicate in the primary language of the Workers.

B. If the Project Supervisor is not on-site at any time whatsoever, all Work shall be stopped. The Project Supervisor shall remain on-site until the Project is complete. The Project Supervisor cannot be removed from the Project without the written consent of the Owner and the Environmental Consultant. The Project Supervisor shall be removed from the Project if so requested by the Owner.

C. The Project Supervisor shall maintain the Daily Project Log that also includes the requirements of Section 2.03 of the specifications.

D. The Project Supervisor shall be responsible for the performance of the Work and shall represent the Contractor in all respects at the Project site. The Supervisor shall be the primary point of contact for the Asbestos Project Monitor.

1.11 MEDICAL REQUIREMENTS

A. Before exposure to airborne asbestos fibers, provide Workers with a comprehensive medical examination as required by 29 CFR 1910.1001, and 29 CFR 1926.1101.

1. This examination is not required if adequate records show the employee has been examined as required by 29 CFR 1910.1001, and 29 CFR 1926.1101 within the past year.
2. The same medical examination shall be given on an annual basis to employees engaged in an occupation involving asbestos fibers and within thirty (30) calendar days before or after the termination of employment in such occupations.

1.12 TRAINING

A. As required by applicable regulations, prior to assignment to asbestos Work instruct each employee with regard to the hazards of asbestos, safety and health precautions, and the use and requirements of protective clothing and equipment.

B. Establish a respirator program as required by ANSI Z88.2 and 29 CFR 1910.134, and 29 CFR 1926.1101. Provide respirator training and fit testing.

1.13 RESPIRATORY PROTECTION

A. Select respirators from those approved by the National Institute for Occupational Safety and Health (NIOSH) and in accordance with 29 CFR 1926.1101 and 29 CFR 1910.134.

B. Respirators shall be individually fit-tested to personnel under the direction of an Industrial Hygienist on a yearly basis. Fit-tested respirators shall be limited to the use of the individual fitted. Fit-test records shall be maintained on-site for each employee.

C. Where fiber levels permit, and in compliance with regulatory requirements, Powered Air Purifying Respirators (PAPR) are the minimum allowable respiratory protection permitted to be utilized during gross removal operations of OSHA Class I or OSHA Class II friable ACM unless personnel sampling sufficiently indicates a fiber level inside the work area conducive to utilizing a half-face air purifying respirator.

D. No respirators shall be issued to personnel without such personnel participating in a respirator training program.

E. High Efficiency Particulate Air (HEPA) respirator filters shall be approved by NIOSH and shall conform to the OSHA requirements in 29 CFR 1910.134 and 29 CFR 1926.1101.

F. A storage area for respirators shall be provided by the Contractor in the clean room side of the personnel decontamination enclosure where they will be kept in a clean environment.

G. The Contractor shall provide and make available a sufficient quantity of respirator filters so that filter changes can be made as necessary during the work day. Filters will be removed and discarded during the decontamination process. Filters cannot be reused. Filters must be changed if breathing becomes difficult.

H. Filters used with negative pressure air purifying respirators shall not be used any longer than one eight (8) hour work day.

I. Any authorized visitor, Worker, or supervisor found in the Work Area not wearing the required respiratory protection shall be removed from the Project site and not be permitted to return.

J. The Contractor shall have at least two (2) Powered Air Purifying Respirators stored on-site designated for authorized visitors use. Appropriate respirator filters for authorized visitors and the APM shall be made available by the Contractor.

1.14 DELIVERY AND STORAGE

A. Deliver all materials to the job site in original packages with containers bearing manufacturer's name and label.

B. Store all materials at the job site in a suitable and designated area.
1. Store materials subject to deterioration or damage away from wet or damp surfaces and under cover.
2. Protect materials from unintended contamination and theft.
3. Storage areas shall be kept clean and organized.

C. Remove damaged or deteriorated materials from the job site. Materials contaminated with asbestos shall be disposed of as asbestos debris as herein specified.

1.15 TEMPORARY UTILITIES

A. Shut down and lock out all electrical power to the asbestos Work Areas for locations where electrical power would constitute a risk to worker safety.

B. At the Owner’s discretion, provide temporary 120-240 volt, single phase, three wire, 100 amp electric service with Ground Fault Circuit Interrupters (GFCI) for all electric requirements within the asbestos Work Area.
1. Where available, obtain from Owner's existing system. Otherwise provide power from other sources (i.e. generator).
2. Provide temporary wiring and "weatherproof" receptacles in sufficient quantity and location to serve all HEPA equipment and tools.
3. Provide wiring and receptacles as required by the Environmental Consultant for air sampling equipment.
4. All power to the Work Area shall be brought in from outside the area through GFCI's at the source.

C. Provide temporary lighting with "weatherproof" fixtures for all Work Areas.
1. The entire Work Area shall be kept illuminated at all times.
2. Provide lighting as required by the Environmental Consultant for the purposes of performing required inspections.

D. All temporary devices and wiring used in the Work Area shall be capable of decontamination procedures including HEPA vacuuming and wet-wiping.

E. Utilize domestic water service, if available, from Owner's existing system. Provide hot water heaters with sufficient capacity to meet Project demands.

PART 2 PRODUCTS

2.1 PROTECTIVE CLOTHING

A. Provide personnel utilized during the Project with disposable protective whole body clothing, head coverings, gloves and foot coverings. Provide disposable plastic or rubber gloves to protect hands. Cloth gloves may be worn inside the plastic or rubber for comfort, but shall not be used alone. Make sleeves secure at the wrists and make foot coverings secure at the ankles by the use of tape, or provide disposable coverings with elastic wrists or tops.

B. Provide sufficient quantities of protective clothing to assure a minimum of four (4) complete disposable outfits per day for each individual performing abatement Work.

C. Eye protection and hard hats shall be provided and made available for all personnel entering any Work Area.

D. Authorized visitors shall be provided with suitable protective clothing, headgear, eye protection, and footwear whenever they enter the Work Area.

2.2 SIGNS AND LABELS

A. Provide bilingual (English-Spanish) warning signs and barrier tapes at all approaches to asbestos Work Areas. Locate signs at such distance that personnel may read the sign and take the necessary protective steps required before entering the area.

1. Provide danger signs in vertical format conforming to 29 CFR 1926.1101, minimum 20" x 14" displaying the following legend.

DANGER
ASBESTOS CANCER AND LUNG DISEASE
HAZARD
AUTHORIZED PERSONNEL ONLY
RESPIRATORS AND PROTECTIVE CLOTHING
ARE REQUIRED IN THIS AREA

2. Provide 3" wide barrier tape printed with black lettered, "DANGER ASBESTOS". Locate barrier tape across all corridors, entrances and access routes to asbestos Work Area, as necessary. Install tape 3' to 4' above finished floor (AFF).

B. Provide asbestos danger labels affixed to all asbestos materials, scrap, waste, debris and other products contaminated with asbestos.

1. Provide asbestos danger labels of sufficient size to be clearly legible, displaying the following legend:

DANGER
CONTAINS ASBESTOS FIBERS
AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD

2. Provide the following asbestos labels, of sufficient size to be clearly legible, for display on waste containers (bags or drums) which will be used to transport asbestos contaminated material in accordance with United States Department of Transportation 49 CFR Parts 171 and 172: (Note: Include “RQ” for friable asbestos waste only.)

RQ, (WASTE) ASBESTOS, 9, NA2212, PGIII

3. Generator identification information shall be affixed to each waste container indicating the following printed in indelible ink:

Generator Name
Facility Name
Facility Address

2.3 DAILY PROJECT LOG

A. Provide a Daily Project Log. The log shall contain on title page the Project name, name, address and phone number of Owner; name, address and phone number of Environmental Consultant; name, address and phone number of Abatement Contractor; emergency numbers including, but not limited to local Fire/Rescue department and all other requirements.

B. All entries into the log shall be made in non-washable, permanent ink and such pen shall be strung to or otherwise attached to the log to prevent removal from the log-in area. Under no circumstances shall pencil entries be permitted.

2.4 SCAFFOLDING AND LADDERS

A. Provide all scaffolding and/or staging as necessary to accomplish the Work of this Contract. Scaffolding may be of suspension type or standing type such as metal tube and coupler, tubular welded frame, pole or outrigger type or cantilever type. All scaffolding shall be designed and constructed in accordance with OSHA, and any other applicable federal, state and local government regulations. Whenever there is a conflict or overlap of the above references the most stringent provisions are applicable. Daily inspection of the scaffolding shall be conducted by a competent person.

B. Provide scaffolding and ladders as required by the Environmental Consultant for the purposes of performing required inspections.

2.5 SURFACTANT (AMENDED WATER)

A. Wet all asbestos-containing materials prior to removal with surfactant mixed and applied in accordance with manufacturer's printed instructions.

2.6 DISPOSAL BAGS, DRUMS, AND CONTAINERS

A. Provide 6 mil polyethylene disposal bags printed with asbestos caution labels. Bags shall also be imprinted with U.S. Department of Transportation required markings.

B. Provide 30 or 55 gallon capacity fiber, plastic, or metal drums capable of being sealed air and water tight if asbestos waste has the potential to damage or puncture disposal bags. Affix asbestos caution labels on lids and at one-third points around drum circumference to assure ready identification.

C. Containers and bags must be labeled in accordance with 40 CFR Part 61 NESHAP and applicable regulations. When the bags/containers are moved to the dumpster from the waste decontamination system washroom, the bags must also be appropriately labeled with the date they are moved on the bag/container in waterproof markings.

D. Labeled ACM waste containers or bags shall not be used for non-ACM waste or trash. Any material placed in labeled containers or bags, whether turned inside out or not shall be handled and disposed of as ACM waste.

2.7 HEPA VACUUM EQUIPMENT

A. All dry vacuuming performed under this contract shall be performed with High Efficiency Particulate Absolute (HEPA) filter equipped industrial vacuums conforming to ANSI Z9.2.

B. Provide tools and specialized equipment including scraping nozzles with integral vacuum hoods connected to a HEPA vacuum with flexible hose.

2.8 POWER TOOLS

A. Any power tools used to drill, cut into, or otherwise disturb asbestos material shall be manufacturer equipped with HEPA filtered local exhaust ventilation.

2.9 POLYETHYLENE SHEETING

A. All polyethylene (plastic) sheeting used on the Project (including but not limited to sheeting used for critical and isolation barriers, fixed objects, walls, floors, ceilings, waste container) shall be at least 6 mil fire retardant sheeting in accordance with applicable federal and state regulations.

PART 3 EXECUTION

3.1 GENERAL REQUIREMENTS

A. Should visible emissions or water leaks be observed outside the Work Area, immediately stop Work and institute emergency procedures per applicable regulations. Should there be elevated fiber levels outside the Work Area, immediately stop Work and institute emergency procedures per applicable regulations. All costs incurred in decontaminating such non-Work Areas and the contents thereof shall be borne by the Contractor, at no additional cost to the Owner.

B. Medical approval, fit test reports and HHCU accreditations shall be on-site prior to admittance of any Contractor's employees to the asbestos Work Area.

C. The following submittals, documentation, and postings shall be maintained on-site by the Contractor during abatement activities at a location approved by the Abatement Project Monitor:
1. Accreditation, Worker Training, Medical Surveillance:
   a. HHCU Asbestos Supervisor/Worker accreditation cards for each person employed in the removal, handling, or disturbance of asbestos.
   b. Evidence that Workers have received proper training required by the regulations and the medical examinations required by OSHA 29 CFR 1926.1101.
   c. Documentation that Workers have been fit tested specifically for respirators used on the Project.
2. Daily OSHA personal air monitoring results, as necessary.
3. Project documents (specifications and drawings.)
4. Notifications, Asbestos Abatement Permit. Ensure that the most up-to-date notifications are on-site.
5. Applicable regulations.
6. Safety Data Sheets of supplies/chemicals used on the Project.
7. List of emergency telephone numbers.
8. Daily Project Log.

D. The following documentation shall be maintained on-site by the Abatement Project Monitor during abatement activities:
1. Air Sample Log.
2. Air sample results.
3. Project Monitor Daily Log.
4. Asbestos Survey Report.

E. All demolition necessary to access asbestos containing materials for removal must be conducted within negative pressure enclosures by licensed asbestos handlers.

F. The Work Area must be vacated by building occupants prior to decontamination enclosure construction and Work Area preparation.

3.2 PERSONNEL DECONTAMINATION ENCLOSURE

A. The Contractor shall construct a remote three-stage decontamination unit including a clean room, shower, and equipment room compliant with 29 CFR 1926.1101(j)(1). The decontamination enclosure shall be attached to the Work Area and not located within it unless isolation barriers are installed when Friable ACM is to be removed. If the decontamination unit is accessible to the public it shall be fully framed and sheathed to prevent unauthorized entry. If the decontamination unit is on the exterior of the structure, it shall be adequately weatherproofed.

B. Access to the Work Area will be from the clean room to the shower and to the equipment room.

C. The decontamination enclosure ceiling, walls, and floor shall be covered with at least one layer of opaque 6 mil polyethylene sheeting.

D. Provide storage of Worker's street clothes. Storage for respirators along with replacement filters and disposable towels shall also be provided.

E. Provide a temporary shower with individual hot and cold water supplies and faucets. Provide a sufficient supply of soap and shampoo. The shower room shall be constructed in such a way so that travel through the shower chamber shall be through the shower. The shower shall not be able to be bypassed.

F. Shower water shall be drained, collected and filtered through a system with at least a 5.0 micron particle size collection capability containing a series of several filters with progressively smaller pore sizes to avoid rapid clogging of the system. The filtered waste water shall then be discharged in accordance with applicable codes and the contaminated filters disposed of as asbestos waste.

G. The equipment room shall be used for the storage of tools and equipment. A walk-off pan filled with water may be located in the Work Area outside the equipment room for Workers to clean foot coverings when leaving the Work Area. A labeled 6 mil plastic ACM waste bag for collection of contaminated clothing shall be located in this room.

H. The personal decontamination enclosure shall be cleaned and disinfected minimally at the end of each Work shift and as otherwise directed by the Asbestos Project Monitor.

I. Work clothing must be cleaned with a HEPA vacuum before it is removed.

J. All equipment and surfaces of containers filled with ACM must be cleaned prior to removing them from the equipment room or area.

K. The Contractor shall ensure that employees enter and exit the regulated area through the equipment room or area.

3.3 WASTE DECONTAMINATION ENCLOSURE

A. As necessary, provide a waste decontamination enclosure contiguous to the Work area. The decontamination enclosure shall be attached to the Work Area and not located within it unless isolation barriers are installed. If the decontamination chamber is accessible to the public it shall be fully framed and sheathed to prevent unauthorized entry. If the waste decontamination enclosure is located on the exterior of the building, it shall be appropriately weatherproofed.

B. The waste decontamination enclosure system shall consist of a holding area and washroom. The entrance to the holding area shall have a lockable door.

C. The decontamination enclosure shall be covered with at least one layer of opaque 6 mil polyethylene sheeting on walls, ceiling, and floor.

D. Where there is only one egress from the Work Area, the holding area of the waste decontamination enclosure system may branch off from the personnel decontamination enclosure equipment room, which then serves as the waste wash room.

E. The waste wash room water shall be drained, collected, and filtered through a system with at least a 5.0-micron particle size collection capability containing a series of several filters with progressively smaller pore sizes to avoid rapid clogging of the system. The filtered waste water shall then be discharged in accordance with applicable codes and the contaminated filters disposed of as asbestos waste.

3.4 WORK AREA ENTRY AND EXIT PROCEDURES

A. Access to and from the asbestos Work Area is permitted only through the personnel decontamination enclosure.

B. The following procedures shall be followed when entering the Work Area:
1. Before entering the Work Area, Workers shall proceed to the clean room, remove all street clothes, and don protective clothing, equipment, and respirators.
2. Workers shall proceed from the clean room through the shower room and the equipment room and into the Work Area.

C. The following procedures shall be followed when exiting the Work Area:
1. Before leaving the Work Area, gross asbestos contamination will be removed by brushing, wet cleaning and/or HEPA vacuuming.
2. In the equipment room, Workers shall remove disposable clothing, but not respirators, and shall place clothing in plastic disposal bags for disposal as contaminated debris prior to entering the shower room.
3. Workers shall shower thoroughly while wearing respirators then wash respirator with soap and water prior to removal.
4. Upon exiting the shower, Workers shall don new disposable clothing if the Work shift is to continue or street clothes to exit area. Under no circumstances shall Workers enter public non-Work Areas in disposable protective clothing.

3.5 WORK AREA PREPARATION

A. Asbestos danger signs shall be posted at all approaches to the asbestos Work Area. Post all emergency exits as emergency exits only on the Work Area side, post with asbestos caution signs on the non-Work Area side. Provide all non-Work Area stairs and corridors accessible to the

asbestos Work Area with warning tapes at the base of stairs and beginning of corridors. Warning tapes shall be in addition to caution signs.

B. Shut down and lock out the building heating, ventilating, and air conditioning systems. Electrical systems and circuits shall also be shut down unless permitted to remain active per applicable regulations and appropriately protected and labeled. Existing lighting sources shall not be utilized. Provide temporary electric power and lighting as specified herein.

C. All surfaces and objects within the Work Area shall be pre-cleaned using HEPA vacuuming and/or wet-wiping methods. Dry sweeping and any other methods that raise dust shall be prohibited. ACM shall not be disturbed during pre-cleaning.

D. Movable objects within the Work Area shall be HEPA vacuumed and/or wet-wiped and removed from the Work Area.

E. All non-movable equipment in the Work Area shall be completely covered with 2 layers of polyethylene sheeting, at least 6 mil in thickness, and secured in place with duct tape and/or spray adhesive.

F. Provide enclosure of the asbestos Work Area necessary to isolate it from unsealed areas of the building in accordance with applicable regulations and as specified herein.

G. Provide critical barriers by sealing off all openings including but not limited to windows, diffusers, grills, electrical outlets and boxes, doors, floor drains, and any other penetrations of the Work Area enclosure in accordance with applicable regulations and as specified herein.

H. Unless otherwise specified for removal, the Contractor shall either protect all fiberglass insulation on piping, ductwork, tanks, etc. in the Work Area using two layers of six mil polyethylene or remove the insulation as asbestos containing waste. If the Contractor elects to remove the fiberglass insulation, he shall be responsible for reinsulation if reinsulation of removed ACM is part of the Contract or Project.

I. Remove all items attached to or in contact with ACM only after the Work Area enclosure is in place. HEPA vacuum and wet wipe with amended water all removed items prior to their removal from the Work Area and before the start of asbestos removal operations.

3.6 NEGATIVE AIR PRESSURE FILTRATION SYSTEM

A. Provide portable asbestos filtration systems that develops a minimum pressure differential of negative 0.02 in. of water column within all full enclosure areas relative to adjacent unsealed areas and that provides a minimum of 4 air changes per hour in the Work Area during abatement.

B. Such filtration systems must be made operational after critical and isolation barriers are installed but before wall, floor, and ceilings are plasticized and shall be operated during work hours until the final cleanup is completed and satisfactory results of the final air samples are received from the laboratory.

C. The system shall include a series of pre-filters and filters to provide High Efficiency Particulate Air (HEPA) filtration of particles down to 0.3 microns at 100% efficiency and below 0.3 microns at 99.9% efficiency. Provide sufficient replacement filters to replace pre-filters at least every 4 hours as needed, secondary pre-filters every 24 hours, and primary HEPA filters every 600 hours of operation.

D. A minimum of one additional filtration unit of at least the same capacity as the primary unit(s) shall be installed and fully functional to be used during primary unit filter changing and in case of primary failure.

E. Upon electric power failure or shut-down of any filtration unit, all abatement activities shall stop immediately and only resume after power is restored and all filtration units are fully operating. For shut-downs longer than one half hour, all openings into the Work Area, including the decontamination enclosures, shall be sealed.

F. The Contractor shall provide a manometer to verify negative air pressure. Manometers shall be read twice daily and recorded within the Daily Project Log.

G. Prior of the start of gross removal activities after the Work Area is fully prepared and the negative air filtration units have been started, the Contractor shall ensure the integrity of the barriers.

H. Once installed and operational, the Contractor's Supervisor shall conduct daily inspections of the Work Area to insure the airtight integrity of the enclosure and operation of the negative air system. Findings shall be recorded within the Daily Project Log.

3.7 REMOVAL OF ASBESTOS CONTAINING MATERIALS

A. Asbestos-containing materials shall be removed in accordance with the Contract Documents and all applicable regulations. Only one type of ACM shall be abated at a time within a Work Area. Where there are multiple types of ACM requiring abatement, applicable regulations procedures for sequential abatement shall be followed.

B. Sufficiently wet asbestos materials with a low pressure, airless fine spray of surfactant to ensure full penetration prior to material removal. Re-wet material that does not display evidence of saturation.

C. One Worker shall continuously apply amended water while ACM is being removed.

D. Perform cutting, drilling, abrading, or any penetration or disturbance of asbestos containing material in a manner to minimize the dispersal of asbestos fibers into the air. Use equipment and methods specifically designed to limit generation of airborne asbestos particles. All power operated tools used shall be provided with HEPA equipped filtered local exhaust ventilation.

E. Upon removal of ACM from the substrate, the newly exposed surfaces shall be HEPA vacuumed and/or wet cleaned. Surfaces must be thoroughly cleaned using necessary methods and any required solvents to completely remove any adhesive, mastic, etc.

F. All removed material shall be placed into 6 mil plastic disposal bags or other suitable container upon detachment from the substrate. ACM is not permitted to lie on the floor for any period of time. Use of sacrificial burlap or similar bags may be used prior to placement in poly bags to reduce the likelihood of puncturing plastic.

G. Large components shall be wrapped in two layers of 6 mil polyethylene sheeting. Sharp components likely to tear disposal bags shall be placed in fiber drums or boxes and then wrapped with sheeting.

H. All construction and demolition debris determined by the Environmental Consultant to be contaminated with asbestos shall be handled and disposed of as asbestos waste.

I. The use of metal shovels, metal dust pans, etc. are not permitted inside the work area.

3.8 EQUIPMENT AND WASTE CONTAINER DECONTAMINATION AND REMOVAL PROCEDURES

A. External surfaces of contaminated containers and equipment shall be cleaned by wet cleaning and/or HEPA vacuuming in the Work Area before removing such items from the Work Area.

B. If a waste decontamination enclosure is utilized, the persons in the Work Area shall not enter the waste decontamination enclosure.

C. No gross removal operations are permitted when waste transfer is in progress.

D. The containers and equipment shall be removed from the waste decontamination enclosure by persons stationed in the washroom during waste removal operations. The external surfaces of containers and equipment shall be cleaned a second time by wet cleaning.

E. The cleaned containers of asbestos material and equipment are to be dried of any excessive pooled or beaded liquid, placed in uncontaminated 6 mil plastic bags or sheeting, as the item's physical characteristics demand, and sealed airtight.

F. Containers and equipment shall be moved from the work area and into the holding area by persons dressed in clean personal protective equipment, who have entered from the holding area.

G. The exit from the decontamination enclosure system shall be secured to prevent unauthorized entry.

3.9 WORK AREA DECONTAMINATION, CLEANING, AND CLEARANCE PROCEDURES

A. Following completion of gross abatement and after all accumulations of asbestos waste materials have been containerized, the following decontamination procedures shall be followed.

B. Cleaning:
1. All bagged asbestos waste and unnecessary equipment shall be decontaminated and removed from the Work Area.
2. All surfaces in the Work Area shall be wet cleaned. A wet-purpose shop vacuum may be used to pick up excess liquid, and may either be decontaminated prior to removal from the Work Area or disposed of as asbestos waste.
3. The Abatement Project Monitor shall conduct a visual inspection of the Work Area for cleanliness and completion of abatement.
4. After sufficient cleaning (and encapsulation, if utilized), final clearance air sampling shall then be conducted in accordance with AHMP rules and all applicable regulations by the Environmental Consultant provided no visible asbestos debris/residue; pools of liquid, or condensation remains.
5. Upon receipt of satisfactory final clearance air sampling results, the negative air pressure equipment can then be shut down and the isolation and critical barriers removed. Following this, the decontamination enclosures shall be removed.

C. After isolation and critical barriers are removed, the Abatement Project Monitor and Contractor’s Supervisor shall inspect the Work Area for cleanliness. If necessary, additional cleaning shall be performed by the Contractor as directed by the Abatement Project Monitor.

D. As a result of any visual inspection by the Asbestos Project Monitor or should air sampling results indicate high fiber levels, the Contractor will clean or re-clean the affected areas at no additional expense to the Owner.

3.10 TENT ENCLOSURES

A. Tent enclosures may only be used where specifically permitted by Abatement Design and applicable regulations.

B. The Contractor shall restrict access to the immediate area where tent removal procedures are taking place using barrier tape and/or construction barriers. Caution signs shall be posted.

C. Personnel and waste decontamination enclosures shall be constructed. Configuration shall be as required by Project size.

D. The Work Area shall be pre-cleaned. All objects and equipment that will remain in the restricted area during abatement shall be sealed with two layers of six mil polyethylene and tape.

E. The tent shall be a single use barrier constructed with a rigid frame and at least two layers of six mil polyethylene sheeting. All seams shall be sealed airtight using duct tape and/or spray adhesive.

F. The tent shall be constructed with at least one airlock for worker/waste egress.

G. A monometer shall be used for all enclosures.

H. Negative air shall be maintained at four (4) air changes per hour for non-friable and glovebag abatement tent enclosure work areas.

I. OSHA compliance air monitoring is required per section 1.09.

J. ACM removal shall generally follow procedures defined in section 3.07.

K. Waste material shall be placed in properly labeled 6 mil plastic bags or other appropriate containers. The outside of the bags or containers shall be wet wiped and/or HEPA vacuumed and shall then be placed in a second bag/container before being transported to the waste storage container.

L. Following completion of gross abatement and after all accumulations of asbestos waste materials have been containerized, the following decontamination procedures shall be followed.
   1. All bagged asbestos waste and unnecessary equipment shall be decontaminated and removed from the Work Area.
   2. All surfaces in the Work Area shall be wet cleaned. A wet-purpose shop vacuum may be used to pick up excess liquid, and shall be decontaminated prior to removal from the Work Area.
   3. The Asbestos Project Monitor shall conduct a visual inspection of the Work Area for cleanliness and completion of abatement.
   4. Final clearance air sampling shall then be conducted by the APM.
   5. Upon receipt of satisfactory final clearance air sampling results, the tent shall be collapsed into itself, placed in suitable disposal bags, and transported to the waste decontamination enclosure. Isolation and critical barriers shall then be removed.

3.11 GLOVEBAG REMOVAL

A. Glovebag removals may only be used on piping and within an appropriately prepared work area consistent with 29 CFR 1926.1101.

B. The Contractor shall restrict access to the immediate area where tent/glovebag removal procedures are taking place using barrier tape and/or construction barriers. Caution signs shall be posted.

C. Personnel and waste decontamination enclosures shall be constructed.

D. Glovebag removals shall utilize commercially available glovebags of at least six mil thickness. Use shall be in accordance with the manufacturer's instructions and the following minimum requirements:

1. The sides of the glovebag shall be cut to fit the size pipe being removed. Tools shall be inserted into the attached tool pocket.
2. The glovebag shall be placed around the pipe and the open edges shall be folded and sealed with staples and duct tape. The glovebag shall also be sealed at the pipe to form a tight seal.
3. Openings shall be made in the glovebag for the wetting tube and HEPA vacuum hose. The opening shall be sealed to form a tight seal.
4. All glovebags shall be smoke tested by the Asbestos Project Monitor under negative pressure using the HEPA vacuum before removal operations commence. Glovebags that do not pass the smoke test shall be resealed and then retested.
5. After first wetting the materials to be removed, removal may commence. ACM shall be continuously wetted. After removal of the ACM, the piping shall be scrubbed or brushed so that no visible ACM remains. Open ends of pipe insulation shall be encapsulated.
6. After the piping is cleaned, the inside of the glovebag shall be washed down and the wetting tube removed. Using the HEPA vacuum, the glovebag shall be collapsed and then twisted and sealed with tape with the ACM at the bottom of the bag.
7. A disposal bag shall be placed around the glovebag that is then detached from the pipe. The disposal bag is then sealed and transported to the decontamination enclosure.

E. After glovebag removals are complete, containment/tent decontamination procedures shall be followed.

3.12 REMOVALS OF EXTERIOR NON-FRIABLE ACM

A. Except as modified by this section, removal of exterior non-friable ACM shall conform to all provisions of this specification.

B. The Work Area shall be the area from which ACM materials are being removed and shall extend 25 feet from the perimeter of the removal area.

C. Non-accredited Workers are not allowed in the Work Area until the Work Area is cleared by the Asbestos Project Monitor.

D. Personnel and waste decontamination enclosures shall be constructed at a location in accordance with applicable regulations.

E. All openings (including but not limited to operable windows, doors, hatches, vents, ducts, and grilles) one story above, one story below, and within 25 feet of the work area shall be sealed with two layers of six mil polyethylene.

F. The removal of the ACM may require the use of scrapers, solvents, mastic removal chemicals, or other methods/procedures to ensure complete removal.

G. The Contractor is required to provide temporary protection of the building (i.e. roof, window openings, construction joints, etc.) at the end of each Work shift so as to maintain the building in a watertight condition.

H. Dumpsters used for waste storage shall be lined with two layers of six mil polyethylene. Dumpsters shall have a hard top or where open-top dumpsters are utilized, the top shall be closed with polyethylene flaps that are sealed at the end of each work shift.

I. Personal protective equipment, including respirators, shall be utilized and worn during all removal operations until the Work Area is cleared by the Asbestos Project Monitor.

J. If air samples collected during abatement indicate any airborne asbestos fiber concentration(s) at or above 0.01 f/cc, Work shall be stopped immediately and Work methods shall be altered to reduce the airborne asbestos fiber concentration(s).

K. Following completion of gross abatement and after all accumulations of asbestos waste materials have been containerized, the following decontamination procedures shall be followed:
1. All surfaces in the Work Area shall be HEPA vacuumed and then wet cleaned.
2. The Asbestos Project Monitor shall conduct a visual inspection of the Work Area for cleanliness prior to conducting final air clearance.
3. Upon satisfactory results, the isolation and critical barriers shall be removed. Following this, the decontamination enclosures shall be removed.

3.13 NON-FRIABLE FLOORING AND/OR MASTIC REMOVALS

A. The following procedures may only be used for the removal of non-friable flooring and/or mastic materials using manual and chemical methods. These procedures shall not apply to beadblaster use or other abrasive abatement methods.

B. The Contractor shall restrict access to the immediate area where removals are taking place using barrier tape and/or construction barriers. Caution signs shall be posted.

C. Personnel and waste decontamination enclosures shall be utilized.

D. The Work Area shall be prepared per applicable regulations.

E. OSHA compliance air monitoring is required per section 1.09.

F. ACM removal shall generally follow procedures defined in section 3.07.

G. Waste material shall be placed in properly labeled 6 mil plastic bags or other appropriate containers. The outside of the bags or containers shall be wet wiped and/or HEPA vacuumed before being passed into the airlock for double- bagging. The bags or containers shall then be transported to the waste storage container.

H. Following completion of gross abatement and after all accumulations of asbestos waste materials have been containerized, the following decontamination procedures shall be followed.
1. All bagged asbestos waste and unnecessary equipment shall be decontaminated and removed from the Work Area.
2. All surfaces in the Work Area shall be wet cleaned. A wet-purpose shop vacuum may be used to pick up excess liquid, and shall be decontaminated prior to removal from the Work Area.
3. The Asbestos Project Monitor shall conduct a visual inspection of the Work Area for cleanliness and completion of abatement.

4. Final clearance air sampling shall then be conducted by the Environmental Consultant.
5. Upon receipt of satisfactory final clearance air sampling results, the isolation and critical barriers shall be removed. Following this, the decontamination enclosures shall be removed.

3.14 RESTORATION OF UTILITIES, FIRESTOPPING, AND FINISHES

A. After final clearance, remove locks and restore electrical and HVAC systems, as applicable. All temporary power shall be disconnected, power lockouts removed and power restored. All temporary plumbing shall be removed.

B. Finishes and penetrations damaged by asbestos abatement activities including, but not limited to, plaster/paint damage due to duct tape and spray adhesives, and floor tile lifted due to wet or humid conditions, shall be restored prior to final payment, as applicable. As the structure subject to this work is scheduled to be demolished, restoration of finishing materials is not expected. However, access points made to the structure to facilitate the work may need to be restored to maintain building security and/or weatherization.

PART 4 DISPOSAL OF ASBESTOS WASTE

4.1 TRANSPORTATION AND DISPOSAL SITE

A. The Contractor's Hauler and Disposal Site shall be approved by the Owner and/or Owner’s Representative.

B. The Contractor shall give twenty-four (24) hour notification prior to removing any waste from the site. Waste shall be removed from the site only during normal working hours unless otherwise specified. No waste may be taken from the site unless the Contractor and Environmental Consultant are present and the Environmental Consultant authorizes the release of the waste as described herein.

C. All waste generated as part of the asbestos project shall be removed from the site within ten (10) calendar days after successful completion of all asbestos abatement work.

D. The Hauler, with the Contractor and the Environmental Consultant, shall inspect all material in the transport container prior to taking possession and signing the Asbestos Waste Manifests.

E. Unless specifically approved by the Owner, the Contractor shall not permit any off-site transfers of the waste or allow the waste to be transported or combined with any other off-site asbestos material. The Hauler must travel directly to the disposal site as identified on the notifications with no unauthorized stops.

4.2 WASTE STORAGE CONTAINERS

A. When asbestos contaminated waste must be kept on the work site overnight or longer, it shall be double bagged and stored in accordance with Federal, State, and local laws.

B. The container shall be plasticized and sealed with two (2) layers of 6 mil polyethylene. The waste container shall not be used for storage of equipment or contractor supplies.

C. While on-site, the container shall be labeled with EPA Danger signage:

DANGER
CONTAINS ASBESTOS FIBERS

AVOID CREATING DUST
CANCER AND LUNG DISEASE HAZARD

D. The container is not permitted to be loaded unless it is properly plasticized and has the appropriate danger signage affixed.

4.3 OWNER’S AND HAULER'S ASBESTOS WASTE MANIFESTS

A. A HHCU Asbestos Waste Manifest (NC DHHS Form 3787) shall be utilized.

B. The Waste Manifest shall be completed by the Contractor and verified by the Environmental Consultant that all the information and amounts are accurate and the proper signatures are in place.

C. The Manifests shall have the appropriate signatures, the Contractor, and the Hauler representatives prior to any waste being removed from the site.

D. Copies of the completed Manifest shall be retained by the Environmental Consultant and the Contractor and shall remain on-site for inspection.

E. Upon arrival at the Disposal Site, the Manifest shall be signed by the Disposal Facility operator to certify receipt of ACM covered by the manifest.

F. The Contractor shall forward copies of the Manifest to the Environmental Consultant within 14 days of the waste container being removed from the site. A completed Waste Manifest shall be submitted to the NC HHCU within 45 calendar days from the completion date stated on the permit. Failure to do so may result in payment being withheld from the Contractor.

END OF DOCUMENT

DIVISION 02 – EXISTING CONDITIONS

SECTION 02 83 00 – LEAD IN CONSTRUCTION

PART 1 GENERAL REQUIREMENTS

1.1 SCOPE OF WORK

A. This Lead in Construction specification covers the removal and disposal of building materials with lead-based or lead-containing paint and/or surface coatings to be impacted by demolition activities at the former Duke Diet and Fitness Center located at 808 West Trinity Avenue in Durham, North Carolina 27701.

B. Identified building materials with Lead-Based Paint and/or Coatings greater than or equal to the action level of 1.0 mg/cm2 associated with the aforementioned scope of work include the following:

LEAD-BASED PAINT MATERIALS INVENTORY		
Material Description	**Material Location(s)**	**Color**
Interior		
Steel Webbing & Roof Grid Components	Gym Ceiling	Blue
Steel Webbing & Roof Grid Components	Pool Ceiling	White
Steel Webbing & Roof Grid Components	Recreation Room	Red
Ceramic Wall Tile	Throughout (Rooms, Bathrooms, Locker Rooms, Pool, etc.)	White/Red/Blue/Green
Door Components	Entry to the Men's Locker Room	Tan/White
Bathroom Fixtures	Men's Locker Room	White
Door Components	Entrance to the Dining Room	Dark Blue
Exterior		
Metal Ladder	Ladder form the Main Roof to the Pool Roof	Red
Door Components	Into the Dining Room	Blue
Metal Grate	North Side into the Boiler Room	Blue
Door Components	East Side into the Gym	Blue
Plaster Soffit	Main Entrance Overhang	Tan/White

The above table details only those building materials with painted and/or coated surfaces with a reported lead concentration greater than or equal to 1.0 mg/cm^2. However, readings of the majority of painted or coated surfaces indicated a lead content between 0.1 mg/cm^2 and 0.9 mg/cm^2. The Designer is available to verify lead content utilizing existing data of specific materials should the Contractor require it.

Caulking materials associated with interior and exterior door components may additionally contain asbestos and/or PCBs. See Project Manual Sections 02 82 00 Asbestos Abatement and 02 84 00 PCB Remediation for additional information regarding appropriate handling and disposal of materials.

C. The Contractor shall be aware of all conditions of the Project and is responsible for verifying quantities and locations of all Work to be performed. Failure to do so shall not relieve the Contractor of its obligation to furnish all labor and materials necessary to perform the Work.

D. This specification indicates minimum requirements for the removal and disposal of lead-based and/or lead-containing paint and/or coatings on building materials at the subject site. The below requirements detailed in this specification are intended as a guide and shall not supersede applicable Federal, State, or Local regulations. Requirements are generally based upon applicable Federal and State Regulations, as well as generally accepted industry standards. Where more stringent requirements exist, such procedures shall be followed.

E. Working hours shall be as required and approved by the Owner. Removal activities may need to be performed during 'off-hours' (including nights and weekends). In addition, multiple mobilizations may be required to perform the work identified in this project. The Contractor shall coordinate and schedule all Work with the facility and Owner's representative.

1.2 SPECIAL JOB CONDITIONS

A. This Project will consist of recycling building materials. As such, identified materials with hazardous constituents shall be appropriately handled, removed, and disposed/recycled in accordance with applicable regulations. See Section 02 81 00 Structure Demolition for further information regarding material recycling.

1.3 DEFINITIONS

A. Action Level: Employee exposure, without regard to use of respirators, to an airborne concentration of lead of 30 micrograms per cubic meter of air averaged over an 8 hour period in an occupational/industrial environment.

B. Area Sampling: Sampling of lead concentrations within the lead control area and inside the physical boundaries, which is representative of the airborne lead concentrations but is not collected in the breathing zone of personnel. This sampling will be conducted by the Environmental Consultant, if required.

C. Building Component: Specific design or structural elements or fixtures of a building that are distinguished from each other by form, function, and location (doors, door trim, window, window trim, baseboards, etc.).

D. Building Component Removal: building components that will be permanently removed and disposed.

E. Certified Contractor: Certified under 40 CFR 745.226 to inspect, assess or remove lead-based paint, dust or soil. Certification as required to provide notification to the Environmental Protection Agency prior to the commencement of lead-based paint abatement activities in residential dwellings and child occupied facilities.

F. Competent Person (CP): As used in this section, refers to a person employed by the Contractor who is trained in the recognition and control of lead hazards in accordance with current Federal, State, and Local regulations.

G. Contaminated Room: Room for removal of contaminated personal protective equipment (PPE).

H. Decontamination Shower Facility: That facility that encompasses a clean clothing storage room, and a contaminated clothing storage and disposal rooms, with a shower facility in between.

I. Eight-Hour Time Weighted Average (TWA): Airborne concentration of lead to which an employee is exposed, averaged over an 8 hour workday as indicated in 29 CFR 1926.62.

J. Encapsulant: A substance that forms a barrier between lead-based paint and the environment using a liquid-applied coating (with or without reinforcement materials) or an adhesively bonded covering material.

K. High Efficiency Particulate Air (HEPA) Filter Equipment: HEPA filtered vacuuming equipment with a UL 586 filter system capable of collecting and retaining lead-contaminated paint dust. A high efficiency particulate filter means 99.97 percent efficient against 0.3 micron or larger size particles.

L. Lead: Metallic lead, inorganic lead compounds, and organic lead soaps.

M. Lead-Based Paint (LBP): Paint or other surface coating that contains lead in excess of 1.0 milligrams per centimeter squared or 0.5 percent by weight.

N. Lead-Based Paint Hazard (LBP Hazard): Any condition that causes exposure to lead from lead-contaminated dust, lead-contaminated soil, lead-based paint that is deteriorated or present in accessible surfaces, friction surfaces, or impact surfaces that would result in adverse human health effects.

O. Lead-Containing Paint (LCP): Lead-based paint or other similar surface coating containing lead or lead compound in excess of 0.06 percent by weight of the total nonvolatile content of the paint.

P. Lead Control Area: An enclosed area or structure, constructed as a temporary containment equipped with HEPA filtered local exhaust, which prevents the spread of lead dust, paint chips, or debris existing as a condition of lead-based paint removal operations. The lead control area is also isolated by physical boundaries to prevent unauthorized entry of personnel.

Q. Lead Permissible Exposure Limit (PEL): Fifty micrograms per cubic meter of air as an 8 hour time weighted average as determined by 29 CFR 1926.62. If an employee is exposed for more than eight hours in a workday, the PEL shall be determined by the following formula: PEL (micrograms/cubic meter of air) = 400/Number of Hours worked per day.

R. Paint Removal: The separation of the paint for the substrate using heat guns, chemicals, or certain abrasive measures, either onsite or offsite

S. Personal Sampling: Sampling of airborne lead concentrations within the breathing zone of an employee to determine the 8 hour time weighted average concentration in accordance with 29 CFR 1926.62. Samples shall be representative of the employees' work tasks. The sampling, conducted by the Contractor, shall provide information to complete the required exposure assessment to identify the level of exposure a worker would be subject to without respiratory protection. Whenever there has been a change of equipment, process, control, personnel or a new task has been initiated, the Contractor shall conduct additional personal sampling.

T. Physical Boundary: Area physically roped or partitioned off around an enclosed lead control area to limit unauthorized entry of personnel. As used in this section, "inside boundary" shall mean the same as "outside lead control area but inside boundary."

U. Project Supervisor (PS): As used in this section, refers to a person employed by the Contractor who is trained and certified in the recognition and control of lead hazards in accordance with current federal, State, and local regulations. The PS shall be trained and certified to inspect, assess or remove lead based paint, dust or soil.

1.4 PERMITS AND COMPLIANCE

A. The Contractor shall assume full responsibility and liability for compliance with all applicable Federal, State, and local laws, rules, and regulations pertaining to Work practices, protection of Workers, authorized visitors to the site, persons, and property adjacent to the Work.

B. The Contractor shall complete all demolition work in accordance with the requirements found in 29 CFR 1926.62 and this specification. Submit documentation of compliance with this standard to the Owner prior to start-up of work, including an air monitoring plan, dust control measures, etc. All compliance sampling and other control measures for potential lead dust shall be addressed within the exposure control and monitoring plan prepared by the Contractor. All compliance sampling shall be performed by individuals working under the direction of the Contractor's Competent Person. Following completion of work, submit all monitoring documentation to the Contracting Officer. The Owner may elect to do independent sampling.

C. The Contractor shall pay all fees, royalties, and other costs necessary for the use of any copyrighted or patented product, design, invention, or processing the performance of the job specified in this Section. The Contractor shall be solely responsible for costs, damage or losses resulting from any infringement of these patent rights or copyrights. The Contractor shall hold the Owner, Architect and the Consultant harmless from any costs, damages, and losses resulting from any infringement of these patent rights or copyrights.

D. The Contractor shall be responsible for securing all necessary permits for work under this Section, including hauling, removal, and disposal, fire, and materials usage, or any other permits required to perform the specified work.

E. The Contractor shall make all applicable and necessary notifications to relevant federal, state, and local authorities and shall obtain and comply with the provisions of all permits or applications required by the work specified. The Contractor shall indemnify the Owner, Architect, and Consultant from, and pay for all claims resulting from failure to adhere to these provisions. The costs for all permits, applications, and the like, are to be assumed by the Contractor.

F. The Contractor assumes the responsibility of proceeding in such a manner that employees are offered a workplace free of recognized hazards which may cause or are likely to cause death or serious injury. The Contractor shall be responsible for performing the abatement and disposal of LBP in a manner to prevent visible emissions or otherwise cause a fiber release episode.

G. The Contractor shall be responsible for security of the Subject site and areas.

H. Alcohol, drugs, or any other controlled substance are strictly prohibited at the subject site.

I. The Contractor is responsible for the behavior of workers within employment. If at any time employees are judged to exhibit unfitting or nuisance behavior by the Owner or the Owner's representative, the Contractor shall immediately remove that employee.

1.5 SUBMITTALS

A. Pre-Job Submittals: The Contractor shall provide copies of the following Pre-Job Submittals at the Pre-Construction Conference.
1. Copies of all fees, permits, applications and like documents required by federal, state, or local regulations obtained or submitted in proper fashion.
2. Appropriate documentation of OSHA-required medical evaluation.
3. Copies of OSHA Lead in Construction training as specified in 29 CFR 1926.62.
4. Copies of respiratory fit test (if applicable).
5. Copies of Respiratory Protection Program.
6. A detailed Project Compliance Program as described in 29 CFR 1926.62(e)(2).
7. Written plan, for the Owner's review and acceptance, of all proposed procedures, methods, and equipment to be utilized to fulfill the testing and work requirements of the Contract Specification.
8. Proposed worker orientation plan which at a minimum includes a description of lead hazards, review of worker protection requirements, and the outline of safety procedures.
9. Safety Data Sheets (SDS) on all materials and chemicals to be used on the Project.

B. On-Site Submittals: Refer to Part 3.01.C for all submittals, documentation, and postings required to be maintained on-site during removal activities.

C. Project Close-out Submittals: Within 30 days of the completion of work, the Contractor shall submit copies of the documents listed below. One set of the documents shall be transmitted to the Owner and one set to the Owner's representative for review and approval.
1. Waste disposal manifests.
2. OSHA compliance air monitoring records conducted during the Work, as applicable.
3. Daily progress log.
4. A list of all Workers used in the performance of the Project.
5. Project notifications, if required.
6. Visit Logs
7. Incident Investigation Reports

1.6 PRE-CONSTRUCTION CONFERENCE

A. Prior to start of Work under this Contract, the Contractor shall attend a pre-construction conference attended by Owner, Facility Personnel, and Environmental Consultant.

B. Agenda for this conference shall include but not necessarily be limited to:
1. Contractor's scope of Work, Work plan, and schedule to include number of workers and shifts.
2. Contractor's safety and health precautions including protective clothing and equipment and decontamination procedures.
3. Environmental Consultant's duties, functions, and authority.
4. Contractor's Work procedures including:
   a. Methods of job site preparation and removal methods.
   b. Respiratory protection.
   c. Disposal procedures.
   d. Cleanup procedures.
   e. Fire exits and emergency procedures.
5. Contractor's required pre-work and on-site submittals, documentation, and postings.
6. Contractor's plan for twenty-four (24) hour Project security both for prevention of theft and for barring entry of unauthorized personnel into Work Areas.
7. Temporary utilities.

8. Storage of removed materials.
9. Waste disposal requirements and procedures.

C. In conjunction with the conference the Contractor shall accompany the Owner and Environmental Consultant on a pre-construction walk-through reviewing the overall Work plan, location of fire exits, fire protection equipment, water supply and electric tie-in.

1.7 APPLICABLE STANDARDS AND REGULATIONS

A. The Contractor shall comply with the following codes and standards, except where more stringent requirements are shown or specified:

B. Federal Regulations:
1. 29 CFR 1926.62 “Lead In Construction” (OSHA)
2. 29 CFR 1926.21 “Safety Training and Education (OSHA)
3. 29 CFR 1926.33 "Access to Employee Exposure and Medical Records" (OSHA)
4. 29 CFR 1926.55 “Gasses, Vapors, Fumes, Dusts, and Mists” (OSHA)
5. 29 CFR 1926.59 “Hazard Communication” (OSHA)
6. 29 CFR 1926.65 “Hazardous Waste Operations and Emergency Response” (OSHA)
7. 29 CFR 1926.103 “Respiratory Protection” (OSHA)
8. 40 CFR 260 “Hazardous Waste Management Systems: General” (EPA)
9. 40 CFR 261 “Identification and Listing of Hazardous Waste (EPA)
10. 40 CFR 262 “Generators of Hazardous Waste (EPA)
11. 40 CFR 263 “Transporters of Hazardous Waste (EPA)
12. 40 CFR 264 “Owners and Operators of hazardous Waste Treatment, Storage, and Disposal Facilities” (EPA)
13. 40 CFR 265 “Interim Status Standard for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities” (EPA)
14. 40 CFR 268 “Land Disposal Restrictions” (EPA)
15. 40 CFR 172 “Hazardous Materials, Tables, and Hazardous Materials Communications Regulations” (DOT)
16. 49 CFR 171-178 “Transportation Standards” (DOT)

C. North Carolina Regulations:
1. DOL Chapter 7, Title 13 of the North Carolina Administrative Code
2. DOT Title 19A of the North Carolina Administrative Code
3. Solid Waste Management Chapter 13, Title 15A of the North Carolina Administrative Code

D. Standards and Guidance Documents:
1. American National Standard Institute (ANSI) Z88.2-80, Practices for Respiratory Protection
2. ANSI Z9.2-79, Fundamentals Governing the Design and Operation of Local Exhaust Systems

1.8 NOTICES

A. The Contractor shall be responsible for maintaining current project filings with regulatory agencies for the duration of the project.

1.9 PROJECT MONITORING AND AIR SAMPLING

A. The Owner shall engage the services of an Environmental Consultant (the Consultant) who shall serve as the Owner's Representative with regard to the performance of the Project and provide guidance as required throughout the entire abatement Project period.

B. The Contractor is required to ensure cooperation of its personnel with the Consultant for the Project monitoring functions described in this section. The Contractor shall comply with these contract documents and all applicable regulations during the course of the Project.

C. The Consultant shall provide the following administrative services:
1. Review and approve or disapprove all submittals, shop drawings, and samples.
2. Document that all notifications to governmental agencies by the Contractor are submitted, as applicable, in a timely manner and are correct in content.

D. The Consultant shall staff the Project with a trained and competent person(s) to act on the Owner's behalf at the job site. This individual shall be designated as the Project Monitor (PM).
1. The PM shall be on-site at all times the Contractor is on-site.
2. The PM shall have the authority to direct the actions of the Contractor verbally and in writing, if necessary, to ensure compliance with the Project documents and all applicable regulations. The PM shall have the authority to Stop Work when gross work practice deficiencies or unsafe practices are observed.
   a. Such Stop Work order shall be effective immediately and remain in effect until corrective measures have been taken and the situation has been corrected.
   b. Standby time required to resolve the situation shall be at the Contractor's expense.
3. The PM shall provide the following services:
   a. Inspection of the Contractor's work, practices, and procedures, including temporary protection requirements, for compliance with all regulations and Project specifications, as applicable.
   b. Provide final visual assessment of work areas for the absence of debris.
   c. Monitor the progress of the Contractor's Work, and report any deviations from the schedule to the Owner.
   d. Monitor, verify, and document all waste load-out operations.
   e. The PM shall maintain a log on site that documents all project related and Consultant and Contractor actions, activities, and occurrences.
4. The following minimum inspections shall be conducted by the PM. Additional inspections shall be conducted as required by Project conditions.
   a. Pre-Construction Inspection: The purpose of this inspection is to verify the existing conditions of the Work Areas and to document these conditions.
   c. Work Inspections: The purpose of this inspection is to monitor the Work practices and procedures employed.
   d. Visual Clearance Inspection: The purpose of this inspection is to verify that: all materials in the scope of work have been properly removed and the absence of visible debris/residue.
   e. Punch List Inspection: The purpose of this inspection is to verify the Contractor's certification that all Work has been completed as contracted and the existing condition of the area prior to its release to the Owner.

1.10 CONTRACTOR AIR SAMPLING

A. The Contractor should make allowances in the bid price for the cost of all environmental and personnel monitoring, along with costs for provision of all other related services, monitoring, and/or equipment needed to comply with requirements found within 29 CFR 1926.62. The Contractor shall

be required to conduct personnel air monitoring to establish personal exposure levels, as applicable. This monitoring information will be used by the Contractor to determine the levels of personnel protection and environmental controls (if necessary) required to be used by the Contractor for this contract. Monitoring shall be performed under the direction of the Competent Person. The costs for PPE, monitoring, decontamination facilities, etc. shall be borne by the Contractor.

B. The Contractor's laboratory analysis of air samples shall be conducted by an appropriate laboratory accredited under the EPA National Lead Laboratory Accreditation Program (NLLP) by either the American Association for Laboratory Accreditation or the American Industrial Hygiene Association (AIHA) and that is successfully participating in the Environmental Lead Proficiency Analytical Testing (ELPAT) program to perform sample analysis.

C. Results of personnel air sample analyses shall be available, verbally, within twenty-four (24) hours of sampling and shall be posted upon receipt. Written laboratory reports shall be delivered and posted at the Subject site within five (5) days. Failure to comply with these requirements may result in all work being stopped until compliance is achieved.

1.11 PROJECT SUPERVISOR

A. The Contractor shall designate a full-time Project Supervisor who shall meet the following qualifications:
   1. The Project Supervisor shall meet the requirements of a "Competent Person" as defined by OSHA 1926.62.
   2. The Project Supervisor must be able to speak, read, and write English fluently, as well as communicate in the primary language of the Workers.

B. If the Project Supervisor is not on-site at any time whatsoever, all Work shall be stopped. The Project Supervisor shall remain on-site until the Project is complete. The Project Supervisor cannot be removed from the Project without the written consent of the Owner and the Environmental Consultant. The Project Supervisor shall be removed from the Project if so requested by the Owner.

C. The Project Supervisor shall maintain the Daily Project Log that also includes the requirements of Section 2.03 of the specifications.

D. The Project Supervisor shall be responsible for the performance of the Work and shall represent the Contractor in all respects at the Project site. The Supervisor shall be the primary point of contact for the Project Monitor.

1.12 MEDICAL REQUIREMENTS

A. Medical Examinations: Initial medical surveillance as required by 29 CFR 1926.62 shall be made available to all employees exposed to lead at any time (1 day) above the action level. Full medical surveillance shall be made available to all employees on an annual basis who are or may be exposed to lead in excess of the action level for more than 30 days a year or as required by 29 CFR 1926.62. Adequate records shall show that employees meet the medical surveillance requirements of 29 CFR 1926.33, 29 CFR 1926.62, and 29 CFR 1926.103.
   1. Medical Records: Maintain complete and accurate medical records of employees for a period of at least 30 years or for the duration of employment plus 30 years, whichever is longer.
   2. Medical Surveillance: Provide medical surveillance to all personnel exposed to lead as indicated in 29 CFR 1926.62.

1.13 TRAINING

A. As required by applicable regulations, prior to assignment to the Work instruct each employee with regard to the hazards of lead, safety and health precautions, and the use and requirements of protective clothing and equipment.

1.14 RESPIRATORY PROTECTION

A. Establish and implement a respiratory protection program as required by ANSI Z88.2, 29 CFR 1926.103, 29 CFR 1926.62, and 29 CFR 1926.55.

B. Select respirators from those approved by the National Institute for Occupational Safety and Health (NIOSH).

C. Respirators shall be individually fit-tested to personnel under the direction of an Industrial Hygienist on a yearly basis. Fit-tested respirators shall be limited to the use of the individual fitted. Fit-test records shall be maintained on site for each employee.

D. No respirators shall be issued to personnel without such personnel participating in a respirator training program.

E. High Efficiency Particulate Air (HEPA) respirator filters shall be approved by NIOSH and shall conform to OSHA requirements.

F. The Contractor shall provide and make available a sufficient quantity of respirator filters so that filter changes can be made as necessary during the work day. Filters must be changed if breathing becomes difficult. Appropriate respirator filters for authorized visitors and the APM shall be made available by the Contractor.

G. Filters used with negative pressure air purifying respirators shall not be used any longer than one eight (8) hour work day.

H. Any authorized visitor, Worker, or supervisor found in the Work Area not wearing the required respiratory protection shall be removed from the Project site and not be permitted to return.

1.15 DELIVERY AND STORAGE

A. Deliver all materials to the job site in original packages with containers bearing manufacturer's name and label.

B. Store all materials at the job site in a suitable and designated area.
   1. Store materials subject to deterioration or damage away from wet or damp surfaces and under cover.
   2. Protect materials from unintended contamination and theft.
   3. Storage areas shall be kept clean and organized.

C. Remove damaged or deteriorated materials from the job site.

1.16 TEMPORARY UTILITIES

A. Temporary Utilities shall be provided as per Section 02 82 00 Asbestos Abatement.

PART 2 PRODUCTS

2.1 PROTECTIVE CLOTHING

A. The Contractor shall provide adequate personal protective equipment (PPE) to any employees working on lead coated surfaces if there is a potential for generation of airborne lead dust or fume (e.g., through scraping, striping, grinding, cutting, sanding, removal, demolition, etc.) above the Permissible Exposure Limit (29 CFR 1926.62). Note: The standard does not reference a specific level of lead in paint at which a hazard exists. Rather, OSHA defines airborne concentrations, and references specific types of work practices and operations from which a lead hazard may be generated (29 CFR 1926.62, paragraph d).

B. Provide sufficient quantities of protective clothing to assure a minimum of four (4) complete disposable outfits per day for each individual performing the Work.

C. Eye protection and hard hats shall be provided and made available for all personnel entering any Work Area.

D. Authorized visitors shall be provided with suitable protective clothing, headgear, eye protection, and footwear whenever they enter the Work Area.

2.2 SIGNS AND LABELS

A. Provide bilingual (i.e., English-Spanish) warning signs and barrier tapes at all approaches to Work Areas. Locate signs at such distance that personnel may read the sign and take the necessary protective steps required before entering the area.

2.3 DAILY PROJECT LOG

A. Provide a Daily Project Log. The log shall contain on title page the Project name, name, address and phone number of Owner; name, address and phone number of Environmental Consultant; name, address and phone number of the Contractor; emergency numbers including, but not limited to local Fire/Rescue department and all other requirements.

B. All entries into the log shall be made in non-washable, permanent ink and such pen shall be strung to or otherwise attached to the log to prevent removal from the log-in area. Under no circumstances shall pencil entries be permitted.

2.4 SCAFFOLDING AND LADDERS

A. Provide all scaffolding and/or staging as necessary to accomplish the Work of this Contract. Scaffolding may be of suspension type or standing type such as metal tube and coupler, tubular welded frame, pole or outrigger type or cantilever type. All scaffolding shall be designed and constructed in accordance with OSHA, and any other applicable federal, state and local government regulations. Whenever there is a conflict or overlap of the above references the most stringent provisions are applicable. Daily inspection of the scaffolding shall be conducted by a competent person.

B. Provide scaffolding and ladders as required by the Environmental Consultant for the purposes of performing required inspections.

2.5 HEPA VACUUM EQUIPMENT

A. All dry vacuuming performed under this contract shall be performed with High Efficiency Particulate Absolute (HEPA) filter equipped industrial vacuums conforming to ANSI Z9.2.

B. Provide tools and specialized equipment including scraping nozzles with integral vacuum hoods connected to a HEPA vacuum with flexible hose.

2.6 POWER TOOLS

A. Any power tools used to drill, cut into, or otherwise disturb LBP material shall be manufacturer equipped with HEPA filtered local exhaust ventilation.

2.7 POLYETHYLENE SHEETING

A. All polyethylene (plastic) sheeting used on the Project shall be at least 6 mil fire retardant sheeting in accordance with applicable federal and state regulations.

PART 3 EXECUTION

3.1 GENERAL REQUIREMENTS

A. Should visible emissions be observed outside the Work Area, immediately stop Work and correct procedures as necessary. All costs incurred in decontaminating such non-Work Areas and the contents thereof shall be borne by the Contractor, at no additional cost to the Owner.

B. Medical approval and fit test reports shall be on site prior to admittance of any Contractor's employees to the Work Area where respiratory protection is required.

C. The following submittals, documentation, and postings shall be maintained on-site by the Contractor during removal activities at a location approved by the Project Monitor:
   1. Accreditation, Worker Training, Medical Surveillance:
      a. Evidence that Workers have received appropriate training required by OSHA 1926.62.
      b. Documentation that Workers have been fit tested specifically for respirators used on the Project.
   2. Daily OSHA personal air monitoring results, as necessary.
   3. Project documents (specifications and drawings.)
   4. Applicable regulations.
   5. Safety Data Sheets of supplies/chemicals used on the Project.
   6. List of emergency telephone numbers.
   7. Daily Project Log.

D. The following documentation shall be maintained on-site by the Project Monitor during removal activities:
   1. Project Monitor Daily Log.
   2. Survey Report.

3.2 PERSONNEL DECONTAMINATION ENCLOSURE

A. The Contractor shall provide clean and contaminated changing rooms and shower facilities in accordance with this specification and 29 CFR 1926.62.

3.3 WORK AREA ENTRY AND EXIT PROCEDURES

A. Access to and from the Work Area is permitted only through the personnel decontamination enclosure.

B. The following procedures shall be followed when entering the Work Area:
   1. Before entering the Work Area, Workers shall proceed to the clean room, remove all street clothes, and don protective clothing, equipment, and respirators.
   2. Workers shall proceed from the clean room through the shower room and the equipment room and into the Work Area.

C. The following procedures shall be followed when exiting the Work Area:
   1. Before leaving the Work Area, gross contamination will be removed by HEPA vacuuming.
   2. In the equipment room, Workers shall remove disposable clothing and shall place clothing in plastic disposal bags for disposal as contaminated debris prior to entering the shower room.
   3. Workers shall shower thoroughly with soap and water.
   4. Upon exiting the shower, Workers shall don new disposable clothing if the Work shift is to continue or street clothes to exit area. Under no circumstances shall Workers enter public non-Work Areas in disposable protective clothing.

3.4 REMOVAL OF LEAD-BASED OR LEAD-CONTAINING MATERIALS

A. The Project consists of the general demolition of the building as described in this Project Manual. Work may also include removal and segregation of select recyclable components. The Contractor shall be required to comply with the project specifications concerning LCP and all applicable regulations when disturbing any painted surface. The Contractor shall complete all demolition work in accordance with the requirements found in 29 CFR 1926.62 and this specification.

B. Lead Control Area Requirements:
   1. If LBP will be removed by means which will not likely create airborne, lead-containing dust (such as careful wet scraping or chemical stripping), establish a lead control area by situating critical barriers and physical boundaries around the area or structure where LBP/LCP removal operations will be performed.
   2. If removal practice will create airborne, lead-containing dust (such as sanding, abrasive blasting, thermal cutting, demolition, or needle gun use), utilize full containment procedures - Contain removal operations by the use of critical barriers and HEPA filtered exhaust or a negative pressure enclosure system with decontamination facilities and with HEPA filtered exhaust if required by the PS, as directed.

C. Boundary Requirements:
   1. Physical Boundary: Provide physical boundaries around the lead control area by roping off the area designated in the work plan or providing curtains, portable partitions or other enclosures to ensure that airborne concentrations of lead will not reach 30 micrograms per cubic meter of air outside of the lead control area.
   2. Warning Signs: Provide warning signs at approaches to lead control areas. Locate signs at such a distance that personnel may read the sign and take the necessary precautions before entering the area. Signs shall comply with the requirements of 29 CFR 1926.62.

D. Shut down and lock out the building heating, ventilating, and air conditioning systems. Electrical systems and circuits shall also be shut down unless permitted to remain active per applicable regulations and appropriately protected and labeled. Existing lighting sources shall not be utilized.

Provide temporary electric power and lighting as specified herein. Seal HVAC intake and exhaust vents in the work area(s) with a minimum of 6 mil polyethylene sheeting, as applicable.

E. All surfaces and objects within the Work Area shall be pre-cleaned using HEPA vacuuming and/or wet-wiping methods. Dry sweeping and any other methods that raise dust shall be prohibited. ACM shall not be disturbed during pre-cleaning.

F. Mechanical Ventilation System:
   1. Use adequate ventilation to control personnel exposure to lead in accordance with 29 CFR 1926.62, as applicable.
   2. To the extent feasible, and as applicable, use fixed local exhaust ventilation connected to HEPA filters or other collection systems. Local exhaust ventilation systems shall be designed, constructed, installed, and maintained in accordance with ANSI Z9.2.
   3. Vent local exhaust outside the building only, as feasible, and away from building ventilation intakes.

3.5 WORK AREA DECONTAMINATION, CLEANING, AND CLEARANCE PROCEDURES

A. Maintain surfaces of the lead control area free of accumulations of paint chips and dust. Restrict the spread of dust and debris; keep waste from being distributed over the work area. Do not dry sweep or use compressed air to clean up the area. At the end of each shift and when the component removal operation has been completed, clean the area of visible lead paint contamination by vacuuming with a HEPA filtered vacuum cleaner. Re-clean areas showing dust or residual paint chips or debris. If adjacent areas become contaminated at any time during the work, clean and visually inspect the area. The Supervisor shall certify in writing that the area has been cleaned of lead contamination before restarting work.

B. The Contractor, as applicable, shall document in writing and provide analytical documentation to certify that the employee exposure to an airborne concentration of lead were below the required action level, respiratory protection used for the employees was adequate; the work procedures were performed in accordance with 29 CFR 1926.62; and that there were no visible accumulations of material and dust containing lead left in the subject site. Do not remove the lead control area or roped off boundary and warning signs prior to the Owner's or Owner's representative's acknowledgement of the PM's visual assessment.

C. The Environmental Consultant shall certify that work areas have been sufficiently cleaned by conducting a visual assessment of the work area. If requested by the owner, wipe samples may be collected to verify cleanliness of interior work and soil samples for exterior work. Clearance criteria of work areas shall be in general accordance with HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (Second Edition, July 2012).

D. As a result of any visual inspection by the PM or should collected samples indicate elevated levels of lead, the Contractor will clean or reclean the affected areas at no additional expense to the Owner.

3.6 RESTORATION OF UTILITIES, FIRESTOPPING, AND FINISHES

A. After final visual clearance, remove locks and restore electrical and HVAC systems, as applicable. All temporary power shall be disconnected, power lockouts removed and power restored. All temporary plumbing shall be removed.

B. Finishes and penetrations damaged by removal activities shall be restored prior to final payment, as applicable. As the structure subject to this work is scheduled to be demolished, restoration of

finishing materials is not expected. However, access points made to the structure to facilitate the work may need to be restored to maintain building security and/or weatherization.

PART 4 DISPOSAL OF LBP WASTE

4.1 TRANSPORTATION AND DISPOSAL SITE

A. The Contractor's Hauler and Disposal Site shall be approved by the Owner and/or Owner's Representative.

B. The Contractor shall give twenty-four (24) hour notification prior to removing any waste from the site. Waste shall be removed from the site only during normal working hours unless otherwise specified. No waste may be taken from the site unless the Contractor and Environmental Consultant are present and the Environmental Consultant authorizes the release of the waste as described herein.

C. All waste generated as part of the Project shall be removed from the site in accordance with applicable regulations and this specification.

D. The Hauler, with the Contractor and the Environmental Consultant, shall inspect all material in the transport container prior to taking possession and signing the Waste Manifests, as applicable.

E. Unless specifically approved by the Owner, the Contractor shall not permit any off-site transfers of the waste or allow the waste to be transported or combined with any other off-site material. The Hauler must travel directly to the disposal site as identified on the notifications with no unauthorized stops.

4.2 DISPOSAL

A. Collect lead-contaminated waste, scrap, debris, bags, containers, equipment, and lead-contaminated clothing, which may produce airborne concentrations of lead particles. Label the containers in accordance with 29 CFR 1926.62 and 40 CFR 261. Dispose of lead-contaminated waste material at an EPA or State approved hazardous waste treatment, storage, or disposal facility.

B. Store waste materials in U.S. Department of Transportation (49 CFR 178) approved containers. Properly label each container to identify the type of waste (49 CFR 172) and the date the container was filled. Do not store hazardous waste containers in interim storage longer than 90 calendar days from the date affixed to each container.

C. Handle, store, transport, and dispose lead or lead-contaminated waste in accordance with 40 CFR 260, 40 CFR 261, 40 CFR 262, 40 CFR 263, 40 CFR 264, and 40 CFR 265. The Contractor shall provide documentation the transporter is authorized to transport the waste, authorized to deliver the waste to the treatment, storage, or disposal facility and the treatment, storage, or disposal facility is authorized to accept the waste. Comply with land disposal restriction notification requirements as required by 40 CFR 268

D. All material, whether hazardous or non-hazardous shall be disposed in accordance with laws and provisions and federal, State, or local regulations. Ensure waste is properly characterized. The result of each waste characterization (TCLP for RCRA materials) will dictate disposal requirements.

E. Submit written evidence the hazardous waste treatment, storage, or disposal facility (TSD) is approved for lead disposal by the EPA and State or local regulatory agencies. Submit one copy of the completed manifest, signed and dated by the initial transporter in accordance with 40 CFR 262.

F. The cost of disposal is the responsibility of the Contractor.

G. Some lead coated materials may be recycled in accordance with Section 1.02 A of this Specification. Confirmation of such materials shall be made by the Owner's Representative.

4.3 CHARACTERIZATION OF WASTE

A. The Contractor shall arrange to conduct Toxicity Characteristic Leaching Procedure (TCLP) testing to characterize the waste stream with regards to lead shall be performed in accordance with EPA hazardous waste disposal requirements found in 40 CFR 260-264.

B. Sample collection for testing shall be performed in situ and will consider the aggregate of all materials within the waste stream at proportions representative of their volume. Composite samples shall be obtained by taking sub-samples of each building component, which will then be proportionately combined into one composite sample for the TCLP analysis. Sample selection of waste stream debris shall be performed in accordance with ASTM Designation E 1908-03 Standard Guide for Sample Selection of Debris Waste From A Building Project for Toxicity Characteristic Leaching Procedures (TCLP) Testing for Leachable Lead (Pb).

C. TCLP Testing Results:
1. If TCLP testing results indicate that the concentration of lead in the materials in the aggregate of the waste stream is less than 5 mg/L (milligram per Liter), below the threshold for determination of hazardous lead waste, then all of the debris generated during demolition can be disposed as general construction waste.
2. If TCLP testing results indicate that the concentration of lead in the materials in the aggregate of the waste stream is 5 mg/L or greater, at or above the threshold for determination of hazardous lead waste, then segregation of materials shall be performed.

END OF DOCUMENT

DIVISION 02 – EXISTING CONDITIONS

SECTION 02 84 00 – PCB REMEDIATION

PART 1 GENERAL REQUIREMENTS

1.1 SCOPE OF WORK

A. This Project shall consist of the removal and disposal of PCB Materials (PCB Bulk Product Waste (Caulk / Contaminated Building Materials / Fluorescent Light Ballasts (FLBs)) and Bulk PCB Remediation Waste (Contaminated Soil)) to be impacted by building demolition and site redevelopment activities at the former Duke Diet and Fitness Center located at 808 West Trinity Avenue in Durham, North Carolina.

B. Due to the future use of the current Project site, all caulking materials containing any concentration of PCBs shall be removed from the structure as per this Specification. Only porous building materials (i.e., brick and mortar) which contact PCB-containing caulking in concentrations greater than 50 parts per million (ppm) shall be removed and disposed of as PCB contaminated in accordance with this Specification.

C. Identified PCB Materials associated with the aforementioned scope of work include the following:

PCB MATERIALS INVENTORY			
Material Description	**Material Location(s)**	**Concentration mg/Kg (ppm)**	**Estimated Quantity**
Interior			
Caulking (White/Grey) [1]	Door and Window Masonry Opening (Excluding North Alley Doors / Entrance Non-Operable Windows/Doors / Pool Glass Curtain Wall)	.84 – 5.3	200 LF (18 SF)
Caulking	Wash Room Counters	1.1	20 LF (2 SF)
Fluorescent Light Ballasts [#]	Throughout	N/A	TBD
Exterior			
Caulking	North – Chiller Pipe Ends	13.9	4 SF
Caulking	North-West Expansion Joint / North Alley Expansion Joint and Hallway Door Masonry Opening	210,000 – 220,000	55 LF (5 SF)
Glazing	North-West – East-South – South-East Windows	1.0	270 LF (23 SF)
Caulking	Entrance Non-Operable Window Masonry Opening	.87	140 LF (12 SF)
Caulking [1]	Door and Window Masonry Opening (Excluding North Alley Doors / Entrance Non-Operable Windows/Doors / Pool Glass Curtain Wall)	1.6 – 1.8	200 LF (18 SF)
Soil [3]	North-West Expansion Joint	<1.0 - 4.0	226 CF
Soil [4]	North Alley	< 1.0	35 CF
Building Materials [3]	Brick and Mortar – North-West Expansion Joint	< 1.0	20 SF
Building Materials [4]	Brick and Mortar / Asphalt – North Alley	< 1.0 – 19.2	55 SF

SF = Square Feet | LF = Linear Feet | CF = Cubic Feet | TBD = To Be Determined

1 These caulking materials may contain asbestos and such materials associated with exterior doors which are painted blue have a Lead content greater than 1.0 mg/cm2. See Project Manual Sections 02 82 00 Asbestos Removal and 02 83 00 Lead in Construction for additional information regarding appropriate handling and disposal of materials.

2 Approximately 200 FLBs were identified throughout the structure. Several deconstructed light fixtures indicated “No PCBs”; however, the deconstructed light fixture in the Recreation Room did not indicate the usage of PCBs. It is the responsibility of the Contractor to identify the quantity of PCB-containing and/or suspect PCB-containing FLBs.

3 North-West Expansion Joint: Soil at this location shall be removed as PCB-contaminated down to a depth of one (1) foot in a twelve (12) foot radius out from the in-situ caulking location. Building materials (Brick and Mortar) shall be removed as PCB-contaminated to a distance of at least six (6) inches (or one (1) brick course) from either side of the in-situ caulking location.

4 North Alley: Soil at this location shall be removed as PCB-contaminated down to a depth of one (1) foot to a distance of six (6) feet out from the in-situ caulking location down the alley. Building Materials with regard to Brick and Mortar shall be removed as PCB-contaminated to a distance of at least six (6) inches (or one (1) brick course)

from either side of the in-situ caulking location. Non-porous materials (metal door framing) shall be appropriately cleaned and decontaminated prior to disposal. Building Materials with regard to Asphalt shall be removed as PCB-contaminated from the in-situ caulking location to a distance of six (6) feet down the alley.

D. The Contractor shall be aware of all conditions of the Project and is responsible for verifying quantities and locations of all work to be performed. Failure to do so shall not relieve the Contractor of its obligation to furnish all labor and materials necessary to perform the Work.

E. This specification indicates minimum requirements for the removal of PCB materials at the Project site. The below requirements detailed in this specification are intended as a guide and shall not supersede applicable Federal, State, or Local regulations. Requirements are generally based upon applicable Federal and State Regulations, as well as generally accepted industry standards. Where more stringent requirements exist, such procedures shall be followed.

F. Working hours shall be as required and approved by the Owner. PCB remediation activities including, but not limited to, work area preparation, gross removal activities, cleaning activities, waste removal, etc. may need to be performed during 'off-hours' (including nights and weekends). In addition, multiple mobilizations may be required to perform the work identified in this project. The Contractor shall coordinate and schedule all Work with the facility and Owner's representative.

1.2 SPECIAL JOB CONDITIONS

A. This Project will consist of recycling building materials. As such, identified materials with hazardous constituents shall be appropriately handled, removed, and disposed/recycled in accordance with applicable regulations. See Section 02 81 00 Structure Demolition for further information regarding material recycling.

1.3 DEFINITIONS

A. Hazardous waste shall be any materials to be disposed that possess at least one of four characteristics, ignitability, corrosivity, reactivity or toxicity, as defined and regulated by the Resource Conservation and Recovery Act (RCRA) and applicable state and federal regulations, or a material specifically identified as hazardous waste by applicable Federal or State lists.

B. A Conditionally Exempt Small Quantity Generator (CESQG) of hazardous waste shall be a waste handler who generates no more than 100 kilograms per month of listed and/or characteristic hazardous waste, generates no more than 1 kilogram of acute hazardous waste in any calendar month, and stores no more than 1000 kilograms of listed and/or characteristic hazardous waste or more than 1 kilogram of acutely hazardous waste.

C. A Small Quantity Generator (SQG) of hazardous waste shall be a waste handler who generates no more than 1000 kilograms per month of listed and/or characteristic hazardous waste, generates no more than 1 kilogram of acute hazardous waste per month, and stores no more than 6000 kilograms of listed and/or characteristic hazardous waste or more than 1 kilogram of acutely hazardous waste.

D. Large Quantity Generator (LQG) of hazardous waste shall be a waste handler who generates more than 1000 kilograms per month of listed and/or characteristic hazardous waste, generates more than 1 kilogram of acute hazardous waste per month, or stores more than 6000 kilograms of hazardous waste or 1 kilogram of acutely hazardous waste.

E. The Owner's Consultant: The Owner shall provide a third party consultant to provide pre-work assessments, project monitoring assessments for the construction procedures for the work area and

surrounding areas and final clearance assessments. The Contractor shall be responsible for the worker protection requirements.

1.4 PERMITS AND COMPLIANCE

A. The Contractor shall assume full responsibility and liability for compliance with all applicable Federal, State, and local laws, rules, and regulations pertaining to Work practices, protection of Workers, authorized visitors to the site, persons, and property adjacent to the Work.

B. Perform PCB related Work in accordance with, at a minimum, Regulations and Guidance indicated in Section 1.07 Applicable Standards and Regulations of this Specification. Where more stringent requirements are specified, adhere to the more stringent requirements.

C. The Contractor shall be prepared to obtain an EPA ID number if so directed by the Owner.

D. The Contractor must maintain current licenses pursuant to applicable regulations for all Work related to this Project, including the removal, handling, transport, and disposal of hazardous materials.

E. The Contractor assumes the responsibility of proceeding in such a manner that employees are offered a workplace free of recognized hazards which may cause or are likely to cause death or serious injury. The Contractor shall be responsible for performing the remediation and disposal of PCB materials in a manner to prevent further contamination of the Project site and materials.

F. The Contractor shall be responsible for security of the Work site and areas.

G. Alcohol, drugs, or any other type of controlled substance are strictly prohibited at the work site.

H. The Contractor is responsible for the behavior of workers within employment. If at any time employees are judged to exhibit unfitting or nuisance behavior by the Owner or the Owner's representative, the Contractor shall immediately remove that employee.

1.5 SUBMITTALS

A. Pre-Work Submittals: Prior to the start of work, submit the following to the Owner and/or Owner's Representative for review, as applicable.
   1. Copy of State or local license for hazardous waste hauler, as applicable.
   2. Certification of at least one on-site supervisor which has satisfactorily completed the OSHA 40 Hour Health and Safety Course for Handling Hazardous Materials (HAZWOPER).
   3. Certificates of workers which have successfully completed at least the OSHA 40-Hour Health and Safety Course for Hazardous Materials (HAZWOPER).
   4. Certification for medical examinations.
   5. Respiratory protection program.
   6. The name, address and EPA ID No. of the disposal facility where these waste materials are to be received. Include contact person, a copy of the facility permit and telephone number.
   7. The facility permit must identify the waste material(s) to be received, and must be accompanied by a statement that the facility has the capacity and authority to accept the waste.

8. Transporter must have notified the EPA and/or other appropriate local government agency in advance of its intentions to transport hazardous materials and, if applicable, receive an identification number.
9. Material Safety Data Sheets for all materials requiring removal.
10. If the Contractor introduces any chemical into the work environment, a MSDS for that chemical must be presented to the Owner's Representative prior to use.
11. Health and Safety/Contingency Plan for material handling and emergency procedures.
12. Project Notifications and Permits.
13. Disposal Site/Landfill Permit from applicable regulatory agency.
14. Letter identifying the presence of PCB bulk product waste, with Acknowledgement by the landfill. See section 4.01.A.

B. On-Site Submittals: Refer to Part 3.01.B for all submittals, documentation, and postings required to be maintained on-site during remediation activities.

C. Project Close-out Submittals: Within 30 days of the completion of remediation, the Contractor shall submit copies of the documents listed below. One set of the documents shall be transmitted to the Owner and one set to the Owner’s representative for review and approval.
1. Waste disposal manifests.
2. Daily progress log.
3. A list of all Workers used in the performance of the Project.
4. Project notifications and permits.
5. Visit Logs
6. Incident Investigation Reports
7. Disposal Site/Landfill Permit from applicable regulatory agency.
8. Copy of PCB notification with acknowledgement from the disposal facility/landfill, if applicable.

1.6 PRE-CONSTRUCTION CONFERENCE

A. Prior to start of preparatory Work under this Contract, the Contractor shall attend a pre-construction conference attended by Owner, Facility Personnel, and Environmental Consultant.

B. Agenda for this conference shall include but not necessarily be limited to:
1. Contractor's scope of Work, Work plan, and schedule to include number of workers and shifts.
2. Contractor's safety and health precautions including protective clothing and equipment and decontamination procedures.
3. Environmental Consultant's duties, functions, and authority.
4. Contractor's Work procedures including:
   a. Methods of job site preparation and removal methods.
   b. Disposal procedures.
   c. Cleanup procedures.
   d. Fire exits and emergency procedures.
5. Contractor’s required pre-work and on-site submittals, documentation, and postings.
6. Contractor's plan for twenty-four (24) hour Project security both for prevention of theft and for barring entry of unauthorized personnel into Work Areas.
7. Temporary utilities.
8. Storage of removed PCB materials.
9. Waste disposal requirements and procedures.

C. In conjunction with the conference the Contractor shall accompany the Owner and Environmental Consultant on a pre-construction walk-through reviewing overall Work plan, location of fire exits, fire protection equipment, water supply and electric tie-in.

1.7 APPLICABLE STANDARDS AND REGULATIONS

A. The Contractor shall comply with the following codes and standards, except where more stringent requirements are shown or specified:

B. Federal Regulations:
1. 29 CFR 1910.1000 “Air Contaminants” (OSHA)
2. 29 CFR 1910.120 “Hazardous Waste Operations and Emergency Response” (OSHA)
3. 29 CFR 1910.1200, "Hazard Communication" (OSHA)
4. 29 CFR 1910.134, "Respiratory Protection" (OSHA)
5. 29 CFR 1910.145, "Specification for Accident Prevention Signs and Tags" (OSHA)
6. 29 CFR 1926, "Construction Industry" (OSHA)
7. 40 CFR 261-271 “Hazardous Waste” (EPA)
8. 40 CFR 273 “Universal Waste” (EPA)
9. 40 CFR 761 “Polychlorinated Biphenyls (PCBs)” (EPA)
10. 49 CFR 171-172 “Transportation Standards” (DOT)
11. 49 CFR 171-178 “Shipping Container Specification” (DOT)

C. North Carolina Regulations:
1. 15A NCAC 13A Hazardous and Universal Waste Management
2. DOL Chapter 7, Title 13 of the North Carolina Administrative Code
3. DOT Title 19A of the North Carolina Administrative Code

D. Standards and Guidance Documents:
1. American National Standard Institute (ANSI) Z88.2-80, Practices for Respiratory Protection

1.8 NOTICES

A. The Contractor shall be responsible for maintaining current project filings with regulatory agencies for the duration of the project.

1.9 PROJECT MONITORING AND AIR SAMPLING

A. The Owner shall engage the services of an Environmental Consultant (the Consultant) who shall serve as the Owner's Representative with regard to the performance of the PCB remediation Project and provide guidance as required throughout the entire remediation Project period.

B. The Contractor is required to ensure cooperation of its personnel with the Consultant for the sampling and Project monitoring functions described in this section. The Contractor shall comply with these contract documents and all applicable regulations during the course of the Project.

C. The Consultant shall provide the following administrative services:
1. Review and approve or disapprove all submittals, shop drawings, and samples.
2. Document that all notifications to governmental agencies by the Contractor are submitted in a timely manner and are correct in content.

D. The Consultant shall staff the Project with a trained and accredited person(s) to act on the Owner's behalf at the job site. This individual shall be designated as the Project Monitor (PM).
   1. The PM shall be on-site at all times the Contractor is on-site. The Contractor shall not be permitted to conduct any Work unless the PM is on-site or otherwise approved (except for inspection and planning purposes during non-working days).
   2. The PM shall have the authority to direct the actions of the Contractor verbally and in writing, if necessary, to ensure compliance with the Project documents and all applicable regulations. The PM shall have the authority to Stop Work when gross work practice deficiencies or unsafe practices are observed.
      a. Such Stop Work order shall be effective immediately and remain in effect until corrective measures have been taken and the situation has been corrected.
      b. Standby time required to resolve the situation shall be at the Contractor's expense.
   3. The PM shall provide the following services:
      a. Inspection of the Contractor's work, practices, and procedures, including temporary protection requirements, for compliance with applicable regulations and Project specifications.
      b. Monitor the progress of the Contractor's Work, and report deviations from the schedule to the Owner.
      c. Monitor, verify, and document waste load-out operations.
      d. The PM shall maintain a log on-site that documents project related and Consultant and Contractor actions, activities, and occurrences.
   4. The following inspections shall be conducted by the PM. Additional inspections shall be conducted as required by Project conditions. Progression from one phase of Work to the next by the Contractor is only permitted with the approval of the PM.
      a. Pre-Construction Inspection: The purpose of this inspection is to verify the existing conditions of the Work Areas and to document these conditions.
      b. Pre-Commencement Inspection: This inspection shall take place only after the Work Area is fully prepped for removal.
      c. Work Inspections: The purpose of this inspection is to monitor the Work practices and procedures employed on the Project. Inspections within the removal areas shall be conducted by the PM during all preparation, removal, and cleaning activities at least twice every Work shift. Additional inspections shall be conducted as warranted.
      d. Visual Clearance Inspection: The purpose of this inspection is to verify that: all materials in the scope of work have been properly removed; no visible PCB material debris/residue remains.
      f. Punch List Inspection: The purpose of this inspection is to verify the Contractor's certification that Work has been completed as contracted and the existing condition of the area prior to its release to the Owner.
   5. The Owner may, at his discretion, choose to conduct air sampling. If air samples collected during abatement indicate any airborne PCB concentration(s) above the OSHA PEL of 0.5 mg/m3 or EPA recommended thresholds, work shall be stopped immediately and Work methods shall be altered to reduce the airborne PCB concentration(s).

1.10 PROJECT SUPERVISOR

A. The Contractor shall designate a full-time Project Supervisor who shall meet the following qualifications:
   1. The Project Supervisor shall be trained in PCB removal and hazardous waste management, via a 40-hour HAZWOPER/Supervisor training course.
   2. The Project Supervisor shall have a minimum of one year experience as a supervisor.

3. The Project Supervisor must be able to speak, read, and write English fluently, as well as communicate in the primary language of the Workers.

B. If the Project Supervisor is not on-site at any time whatsoever, all Work shall be stopped. The Project Supervisor shall remain on-site until the Project is complete. The Project Supervisor cannot be removed from the Project without the written consent of the Owner and the Environmental Consultant. The Project Supervisor shall be removed from the Project if so requested by the Owner.

C. The Project Supervisor shall maintain the Daily Project Log that also includes the requirements of Section 2.03 and Section 4.03 of the specifications.

D. The Project Supervisor shall be responsible for the performance of the Work and shall represent the Contractor in all respects at the Project site. The Supervisor shall be the primary point of contact for the Project Monitor.

1.11 TRAINING

A. As required by applicable regulations, prior to assignment to PCB Work instruct each employee with regard to the hazards of PCBs, safety and health precautions, and the use and requirements of protective clothing and equipment.

B. Supervisors and Workers shall be OSHA 40-Hour Health and Safety Course for Hazardous Materials (HAZWOPER) trained.

1.12 RESPIRATORY PROTECTION

A. Establish a respirator program as required by ANSI Z88.2 and 29 CFR 1910.134. Provide respirator training and fit testing.

B. Select respirators from those approved by the National Institute for Occupational Safety and Health (NIOSH) and in accordance with 29 CFR 1926.1101 and 29 CFR 1910.134.

C. Respirators shall be individually fit-tested to personnel under the direction of an Industrial Hygienist on a yearly basis. Fit-tested respirators shall be limited to the use of the individual fitted. Fit-test records shall be maintained on-site for each employee.

D. No respirators shall be issued to personnel without such personnel participating in a respirator training program.

E. High Efficiency Particulate Air (HEPA) respirator filters shall be approved by NIOSH and shall conform to the OSHA requirements in 29 CFR 1910.134.

F. The Contractor shall provide and make available a sufficient quantity of respirator filters so that filter changes can be made as necessary during the work day. Filters cannot be reused. Filters must be changed if breathing becomes difficult.

G. Filters used with negative pressure air purifying respirators shall not be used any longer than one eight (8) hour work day.

H. Any authorized visitor, Worker, or supervisor found in the Work Area not wearing the required respiratory protection shall be removed from the Project site and not be permitted to return.

1.13 DELIVERY AND STORAGE

A. Deliver all materials to the job site in original packages with containers bearing manufacturer's name and label.

B. Store all materials at the job site in a suitable and designated area.
   1. Store materials subject to deterioration or damage away from wet or damp surfaces and under cover.
   2. Protect materials from unintended contamination and theft.
   3. Storage areas shall be kept clean and organized.

C. Remove damaged or deteriorated materials from the job site. Materials contaminated with PCBs shall be disposed of as PCB materials as herein specified.

1.14 TEMPORARY UTILITIES

A. Shut down and lock out all electrical power to the Work Areas for locations where electrical power would constitute a risk to worker safety.

B. At the Owner’s discretion, provide temporary 120-240 volt, single phase, three wire, 100 amp electric service with Ground Fault Circuit Interrupters (GFCI) for all electric requirements within the Work Area.
   1. Where available, obtain from Owner's existing system. Otherwise provide power from other sources (i.e. generator).
   2. Provide temporary wiring and "weatherproof" receptacles in sufficient quantity and location to serve all HEPA equipment and tools.
   3. Provide wiring and receptacles as required by the Environmental Consultant for air sampling equipment.
   4. All power to the Work Area shall be brought in from outside the area through GFCI's at the source.

C. Provide temporary lighting with "weatherproof" fixtures for all Work Areas.
   1. The entire Work Area shall be kept illuminated at all times.
   2. Provide lighting as required by the Environmental Consultant for the purposes of performing required inspections.

D. All temporary devices and wiring used in the Work Area shall be capable of decontamination procedures including HEPA vacuuming and wet-wiping.

E. Utilize domestic water service, if available, from Owner's existing system.

PART 2 PRODUCTS

2.1 PROTECTIVE CLOTHING

A. Provide personnel utilized during the Project with disposable protective whole body clothing, head coverings, gloves and foot coverings. Provide disposable plastic or rubber gloves suitable to prevent PCB skin contact, to protect hands.

B. Provide sufficient quantities of protective clothing to assure a minimum of four (4) complete disposable outfits per day for each individual performing remediation Work.

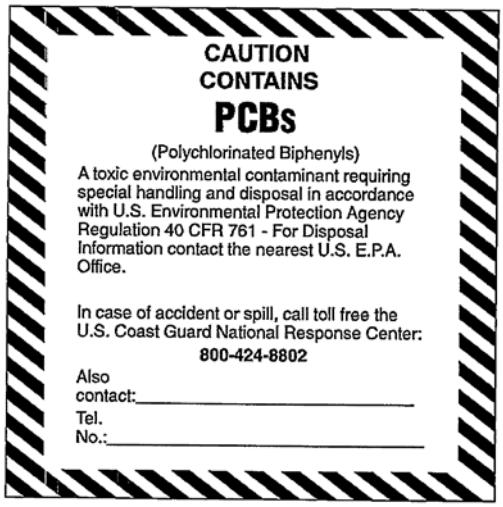
C. Eye protection and hard hats shall be provided and made available for all personnel entering any Work Area.

D. Authorized visitors shall be provided with suitable protective clothing, headgear, eye protection, and footwear whenever they enter the Work Area.

2.2 SIGNS AND LABELS

A. Provide warning signs and barrier tapes at all approaches to PCB Work Areas. Locate signs at such distance that personnel may read the sign and take the necessary protective steps required before entering the area.

B. Provide the appropriate "Large PCB Marking" or "Small PCB Marking" (ML or MS per 40 CFR 761) as shown below, of sufficient size to be clearly legible, for display on waste containers (bags, boxes, rolloffs or drums) which will be used to contain or transport PCB contaminated material, in accordance with 40 CFR 761. In addition, U.S. Department of Transportation (DOT) 49 CFR Parts 171 and 172 requires the name and UN number of the material to be on the bags or drums, and, if shipped in bulk (rolloffs, Gaylord boxes, etc) the bulk container must also be labeled: Polychlorinated biphenyl, solid mixture UN 3432.



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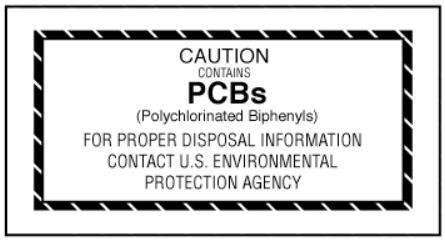

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C. Provide 6 mil plastic disposal bags with PCB caution labels.
   1. The "Small PCB Label" (MS per 40 CFR 761) may be used as shown above. Bags shall also be labeled with U.S. DOT required markings per 49 CFR 172, Polychlorinated biphenyl, solid mixture UN 3432.
   2. Labeled PCB waste containers or bags shall not be used for non-PCB waste or trash. Any material placed in labeled containers or bags, whether turned inside out or not shall be handled and disposed of as PCB waste.

2.3 DAILY PROJECT LOG

A. Provide a Daily Project Log. The log shall contain on title page the Project name, name, address and phone number of Owner; name, address and phone number of Environmental Consultant;

name, address and phone number of Abatement Contractor; emergency numbers including, but not limited to local Fire/Rescue department.

B. All entries into the log shall be made in non-washable, permanent ink and such pen shall be strung to or otherwise attached to the log to prevent removal from the log-in area. Under no circumstances shall pencil entries be permitted.

C. The Project Supervisor shall document all Work performed daily and note all inspections.

2.4 SCAFFOLDING AND LADDERS

A. Provide all scaffolding and/or staging as necessary to accomplish the Work of this Contract. Scaffolding may be of suspension type or standing type such as metal tube and coupler, tubular welded frame, pole or outrigger type or cantilever type. All scaffolding shall be designed and constructed in accordance with OSHA, and any other applicable federal, state and local government regulations. Whenever there is a conflict or overlap of the above references the most stringent provisions are applicable. Daily inspection of the scaffolding shall be conducted by a competent person.

B. Provide scaffolding and ladders as required by the Environmental Consultant for the purposes of performing required inspections.

2.5 CONTAINERS AND PACKAGING

A. Provide packaging in accordance with 49 CFR 173, such as 30 or 55 gallon capacity fiber, plastic, or metal drums, Gaylord Boxes or other Intermediate Bulk Containers (IBCs), or non-siftable bulk containers, capable of being sealed air and water tight if PCB waste has the potential to damage or puncture disposal bags. Affix PCB caution labels on lids of drums, and opposite sides of drums or bulk containers, as well as the ends of bulk containers.

2.6 EQUIPMENT AND MATERIALS

A. All dry vacuuming performed under this contract shall be performed with High Efficiency Particulate Absolute (HEPA) filter equipped industrial vacuums conforming to ANSI Z9.2.

B. Provide tools and specialized equipment including scraping nozzles with integral vacuum hoods connected to a HEPA vacuum with flexible hose.

C. Any power tools used to drill, cut into, or otherwise disturb PCB materials shall be manufacturer equipped with HEPA filtered local exhaust ventilation.

D. All polyethylene (plastic) sheeting used on the Project (including but not limited to sheeting used for critical and isolation barriers, fixed objects, walls, floors, ceilings, waste container) shall be at least 6 mil fire retardant sheeting.

PART 3 EXECUTION

3.1 GENERAL REQUIREMENTS

A. Should visible PCB debris be observed outside the Work Area, immediately stop Work notify the Owner; institute emergency procedures as directed. All costs incurred in decontaminating such

non-Work Areas and the contents thereof shall be borne by the Contractor, at no additional cost to the Owner.

B. The following submittals, documentation, and postings shall be maintained on-site by the Contractor during remediation activities at a location approved by the Project Monitor:
   1. Project documents (specifications and drawings.)
   2. Notifications. Ensure that the most up-to-date notifications are on-site.
   3. Applicable regulations.
   4. Safety Data Sheets of supplies/chemicals used on the Project.
   5. List of emergency telephone numbers.
   6. Daily Project Log.

C. The following documentation shall be maintained on-site by the Project Monitor during abatement activities:
   1. Project Monitor Daily Log.
   2. Survey Report.

3.2 WORK AREA PREPARATION

A. PCB caution signs shall be posted at all approaches to the PCB Work Area. Post all emergency exits as emergency exits only on the Work Area side, post with PCB caution signs on the non-Work Area side. Provide all non-Work Area stairs and corridors accessible to the PCB Work Area with warning tapes at the base of stairs and beginning of corridors. Warning tapes shall be in addition to caution signs.

B. Access to areas of work shall be regulated to prevent unauthorized visitors.

C. Work Area Preparation For Exterior Removal:
   1. All ground surfaces exterior to the work area shall have a layer of 6 mil fire retardant plastic sheeting, attached to the building face and laid down on the surface below the exterior abatement work area, at least 10 feet wide or to the furthest point of gravity fall for dislodged debris by methods used, whichever is further. For work at the second story and above, extend 6 mil fire retardant plastic sheeting as necessary. For work above third story, by sidewalk, street, or property boundary, scaffolding sides shall be covered in 6-mil fire retardant plastic sheeting.
   2. All operable windows within the work area and 25 ft. from all sides of the work area shall be closed.
   3. In the work area, isolate all HVAC equipment intakes by temporarily shutting down units during removals and installing plastic sheeting over the opening.

D. Work Area Preparation For Interior Removal:
   1. Isolate all HVAC equipment, including installing plastic sheeting on all air returns and exhausts. Turn off all HVAC systems serving work area when feasible.
   2. All floor areas adjacent to the work area shall have a layer of 6 mil fire retardant plastic sheeting, attached to the interior wall and laid down on the surfaces below the abatement work area, at least 5 feet wide or to the furthest point of gravity fall for dislodged debris by methods used, whichever is further.
   3. All movable objects shall be removed from the immediate work area. All non-movable objects shall be covered with one layer of 6 mil fire retardant plastic sheeting and sealed at the edges.
   4. All operable windows within the work area shall be closed.

5. Temporary dust barriers consisting of a minimum of 6-mil fire-retardant plastic sheeting shall be at installed at hallways, corridors, doorways, and other openings to the work area not used for passage during removals) to establish work area containment enclosure.
6. A 6-mil fire retardant plastic sheeting overlapping curtained doorway shall be installed at the entrance to the work area.
7. For all work areas with use of electromechanical tools for PCB removals, HEPA filtered negative air ventilation units must be installed in work area and operate continuously during removal operations to establish negative pressure. A minimum of 4 air changes per hour must be maintained within work area during removals and cleanings until work area clearance is obtained from the PM.

3.3 PERSONNEL DECONTAMINATION ENCLOSURE

A. An existing room or area that is adjacent to the work area shall be used for the decontamination of personnel and equipment. The room or area shall be covered by an impermeable dropcloth on the floor or horizontal working surface. The room or area must be of sufficient size to accommodate cleaning of equipment and removing personal protective equipment. Work clothing must be cleaned with a HEPA vacuum before it is removed. All equipment and surfaces of waste containers must be cleaned prior to removing them from the decontamination room or area. All personnel must enter and exit the PCB work area through the decontamination room or area.

B. Provide storage of Worker's street clothes. Storage for respirators along with replacement filters.

3.4 REMOVAL OF PCB MATERIALS

A. PCB-containing materials shall be removed in accordance with the Contract Documents and the approved PCB Work Plan.

B. Non-PCB items remaining such as windows, doors, masonry, and all other building construction and components from which PCB materials are removed shall be decontaminated by physical or chemical means (such as stripper) such that no visible residue remains. The removal of the PCB materials may require the use of scrapers, solvents, mastic removal chemicals, or other methods/procedures to ensure complete removal.

C. Use tools that generate the least amount of dust and will still complete the PCB caulk removal. See current EPA regulations and recommendations regarding tools and protective measures to be used for PCB caulk removals.

D. Grinding electromechanical tools (e.g. angle grinders, masonry groove cutters, circular saws, and slot mills, etc.) are not allowed to be used for exterior open-air PCB caulk removals.

E. For exterior removals, take appropriate precautions (e.g. install windscreens) to prevent dust and debris from migrating due to windy conditions.

F. Remove accessible caulk that could be disturbed before cutting building components, such as window frames.

G. All removed PCB material shall be placed into 6 mil plastic disposal bags or other suitable container upon detachment from the substrate. Large components with PCB material or PCB residue shall be wrapped in one layer of 6 mil plastic sheeting. Sharp components likely to tear disposal bags shall be placed in fiber drums or boxes and then wrapped with sheeting.

H. Power or pressure washers are not permitted for PCB removal or clean-up procedures

I. All construction and demolition debris determined by the Environmental Consultant to be contaminated with PCB shall be handled and disposed of as PCB waste. If non-porous (e.g. metal) removed components previously in contact with non-liquid PCBs are to be cleaned and decontaminated prior to disposal as non-PCB waste, the requirements of 40 CFR 761 Subpart D shall be met.

J. The Contractor is required to provide temporary protection of the building (i.e. roof, window openings, construction joints, etc.) at the end of each Work shift so as to maintain the building in a watertight condition.

K. Personal protective equipment, including respirators, shall be utilized and worn during all removal operations until the Work Area is cleared by the PM.

L. Following completion of gross abatement and after all accumulations of PCB waste materials have been containerized, the decontamination procedures in Section 3.05 shall be followed.

M. Dry sweeping and any other methods that raise dust shall be prohibited.

3.5 EQUIPMENT AND AREA DECONTAMINATION

A. When removal of PCB materials is completed, the decontamination process shall consist of vacuuming (with a HEPA filter), wet wiping/mopping and a repeated vacuuming (with a HEPA filter) of the entire work area. All surfaces in and around the work area must be free of dust generated during the work.

B. Decontaminate all tools and equipment before removal from the work area.

C. If dust or debris has migrated to areas of the building other than the immediate work area, those areas shall be incorporated into the work area and thoroughly decontaminated to ensure all visible dust generated by the activity is eliminated.

D. Uncontaminated dust barriers and other protective sheeting shall be placed in disposable construction bags and disposed of as normal trash.

E. Visually inspect the area for any remaining dust or debris. Vacuum (with HEPA filter) and wet wipe until space is clean. Dispose of vacuum contents as PCB waste.

F. Upon completion of decontamination and removing temporary dust barriers, a final inspection shall be performed by the Contractor and Abatement Project Monitor. As a result of any visual inspection by the Project Monitor, the Contractor will clean or reclean the affected areas at no additional expense to the Owner.

3.6 RESTORATION OF UTILITIES, FIRESTOPPING, AND FINISHES

A. Following completion of remedial activities, remove locks and restore electrical and HVAC systems, as applicable. All temporary power shall be disconnected, power lockouts removed and power restored. All temporary plumbing shall be removed.

B. As the structure subject to this work is scheduled to be demolished, restoration of finishing materials is not expected. However, access points made to the structure to facilitate the work may need to be restored to maintain building security and/or weatherization.

PART 4 DISPOSAL OF PCB WASTE

4.1 TRANSPORTATION AND DISPOSAL SITE

A. The Contractor's Hauler and Disposal Site shall be approved by the Owner. For any permitted out-of-state landfill not specifically authorized for disposal of PCBs, written notice must be provided 15 days prior to the first shipment of the same waste stream that the waste may contain PCBs greater than 50ppm, in accordance with 40 CFR 761.62. The letter shall be acknowledged via a disposal facility representative's signature, printed name and title. If the facility is permitted to accept PCB waste, no letter is required. Note: For disposal within North Carolina, facilities must be specifically permitted to accept PCB waste.

B. The Contractor shall give twenty-four (24) hour notification prior to removing any waste from the site. Waste shall be removed from the site only during normal working hours unless otherwise specified. No waste may be taken from the site unless the Contractor and Environmental Consultant are present and the Environmental Consultant authorizes the release of the waste as described herein.

C. All waste generated as part of the PCB project shall be removed from the site within ten (10) calendar days after successful completion of all PCB abatement work.

D. Upon arrival at the Project Site, the Hauler must possess and present to the Environmental Consultant a valid Waste Hauler's Permit, as applicable. The Environmental Consultant may verify the authenticity of the hauler's permit with the proper authority.

E. The Hauler, with the Contractor and the Environmental Consultant, shall inspect all material in the transport container prior to taking possession and signing the Hazardous Waste Manifests.

4.2 WASTE STORAGE CONTAINERS

A. All waste containers shall be fully enclosed and lockable (i.e. enclosed dumpster, trailer, etc.).

B. The container shall be plasticized and sealed with one layer of 6 mil plastic. Once on site, it shall be kept locked at all times, except during load out. The waste container shall not be used for storage of equipment or contractor supplies.

C. While on-site, the container shall be labeled with PCB Warning Labels as specified in Section 2.02.

D. The container is not permitted to be loaded unless it is properly plasticized and has the appropriate danger signage affixed.

E. The Owner may initiate random checks at the Disposal Site to ensure that the procedures outlined herein are complied with.

4.3 OWNER’S AND HAULER'S HAZARDOUS WASTE MANIFESTS

A. An appropriate Hazardous Waste Manifest shall be utilized for transportation. A hauler billing form or bill of lading may be used if the hauler needs an independent record, but shall not be used as a shipping document.

B. The Manifest shall be completed by the Contractor and verified by the Environmental Consultant that all the information and amounts are accurate and the proper signatures are in place.

C. The Manifest shall have the appropriate signatures of the Owner’s Representative (the Generator) and the Hauler representative prior to any waste being removed from the site.

D. Copies of the completed Manifest shall be retained by the Contractor and the Environmental Consultant which shall remain on site for inspection.

E. Upon arrival at the Disposal Site, the Manifest shall be signed by the Disposal Facility operator to certify receipt of PCB materials covered by the manifest.

F. The Disposal Facility operator shall return the original Manifest to the Owner’s Representative (the Generator) within 45 days. The Contractor must call the facility to investigate if not returned within 35 days.

G. The Contractor shall prepare and utilize a Waste Disposal Log. This log shall be maintained by the Project Supervisor and shall be kept on site at all times.

H. Originals of all waste disposal manifests disposal logs shall be submitted by the Contractor to the Owner with the final close-out documentation.

END OF DOCUMENT

DIVISION 02 – EXISTING CONDITIONS

SECTION 02 90 00 - UNIVERSAL WASTE & OTHER REGULATED MATERIALS REMOVAL

PART 1 GENERAL REQUIREMENTS

1.1 SCOPE OF WORK

A. This Project shall consist of the removal and disposal/recycling of materials with regard to identified Universal Waste including but not limited to: fluorescent lamps, high-intensity discharge (HID) lamps, mercury thermostats and switches, batteries, and pesticides, as well as, ozone depleting substances (ODS), and electronic waste to be impacted by building demolition activities at the former Duke Diet and Fitness Center located at 808 West Trinity Avenue in Durham, North Carolina. Demolition and removal of materials shall be as required to support the work.

B. Identified Universal Waste and Other Regulated Materials associated with the aforementioned scope of work include the following:

UNIVERSAL WASTE & OTHER REGULATED MATERIALS REMOVAL		
Material Description	**Material Location(s)**	**Estimated Quantity**
Fluorescent Lamps	Throughout	200
Compact Fluorescent Lamps	Boiler Room / 121A / Locker Rooms / Suite 116	20
High Intensity Discharge Lamps	Gym	50
Mercury Thermostats	Boiler Room	5
Refrigerants (ODS)	Hallway Water Fountains / Gym Interior HVAC Units / North Exterior HVAC Units / Gym Roof HVAC Units / Main Roof HVAC Unit	3 / 2 / 2 / 3 / 1
Remnant Electronics	Throughout	TBD
Batteries	Throughout – Potentially associated with Exit Signs, Smoke Detectors, etc.	TBD
Fire Extinguishers	Throughout	TBD

To Be Determined (TBD) quantities shall be determined during demolition**.**

C. The Contractor shall be aware of all conditions of the Project and is responsible for verifying quantities and locations of all work to be performed. Failure to do so shall not relieve the Contractor of its obligation to furnish all labor and materials necessary to perform the Work.

D. This specification indicates minimum requirements for the removal and disposal of universal waste and other regulated materials at the subject site. The below requirements detailed in this specification are intended as a guide and shall not supersede applicable Federal, State, or Local regulations. Requirements are generally based upon applicable Federal and State Regulations, as

well as generally accepted industry standards. Where more stringent requirements exist, such procedures shall be followed.

E. Working hours shall be as required and approved by the Owner. The Contractor shall coordinate and schedule all Work with the facility and Owner's representative.

1.2 DEFINITIONS

A. Mercury Lamps: The bulb or tube portion of an electric lighting device. Examples of common universal waste electric lamps include, but are not limited to, fluorescent, high intensity discharge, neon, mercury vapor, high pressure sodium, and metal halide lamps. Newer lamps sold as low-mercury which are identified by green end caps (often referred to as "green-tipped") still contain 3-4 milligrams of Mercury; these lamps shall be included in this Project.

B. Mercury-Containing Equipment: A device or part of a device (including thermostats, but excluding batteries and lamps) that contains elemental mercury integral to its function.

C. Battery: A device consisting of one or more electrically connected electrochemical cells which is designed to receive, store, and deliver electric energy.

D. Pesticide: Any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest, or intended for use as a plant regulator, defoliant, or desiccant, with the exception of any that is (a) a new animal drug under FFDCA section 201(w), or (b) an animal drug that has been determined by regulation of the Secretary of Health and Human Services not to be a new animal drug, or (c) an animal feed under FFDCA section 201(x) that bears or contains any substances described by either (a) or (b).

E. Ozone Depleting Substances (ODS): Regulated under the Clean Air Act, ODS include Chlorofluorocarbons (CFCs) and Hydrochlorofluorocarbons (HCFCs). CFCs and HCFCs are organic compounds comprising carbon, fluorine, and chlorine utilized as refrigerants, blowing agents, propellants, and degreasers.

F. Electronic Waste: As regulated by the North Carolina Department of Environmental Quality (NC DEQ) Solid Waste Section defines electronic waste as televisions, computers, monitors, printers, scanners, and computer peripherals such as keyboards and mice.

G. Large Quantity Handler (LQH) of Universal Waste shall be a waste handler who accumulates 5,000 kilograms or more of universal waste (batteries, pesticides, thermostats, or lamps, calculated collectively) at any time. This designation as a large quantity handler of universal waste is retained through the end of the calendar year in which 5,000 kilograms (11,000 pounds) or more total of universal waste is accumulated. The LQH shall notify the EPA, acquire or co-ordinate with a facility regarding an EPA identification number, and provide records for each shipment. The LQH shall ensure all employees are thoroughly familiar with proper waste handling and emergency procedures, relative to their responsibilities during normal facility operations and emergencies.

H. Small Quantity Handler of Universal Waste (SQH) shall be a waste handler who does not accumulate 5,000 kilograms (11,000 pounds) or more of total universal waste (batteries, pesticides, thermostats, or lamps, calculated collectively) at any time.

I. Destination Facility shall be a facility that legitimately and can legally accept universal waste from offsite so that the universal waste can be treated, disposed, or recycled in accordance with the regulatory requirements.

1.3 PERMITS AND COMPLIANCE

A. The Contractor shall assume full responsibility and liability for compliance with all applicable Federal, State, and local laws, rules, and regulations pertaining to Work practices, protection of Workers, authorized visitors to the site, persons, and property adjacent to the Work.

B. The Contractor shall make and obtain all appropriate notices and permits required by the EPA and State / Local entities as required. The Contractor shall be responsible for maintaining current project filings with regulatory agencies for the duration of the project

C. The Contractor shall maintain on-site for inspection: Notices and Permits, Health and Safety Plan; Material Safety Data Sheets (SDS) for any chemicals that will be utilized during the Project; any other documentation deemed appropriate by the Contractor.

D. The Contractor assumes the responsibility of proceeding in such a manner that employees are offered a workplace free of recognized hazards which may cause or are likely to cause death or serious injury.

E. The Contractor shall be responsible for security of the Work site and areas.

F. Alcohol, drugs, or any other type of controlled substance are strictly prohibited at the work site.

G. The Contractor is responsible for the behavior of workers within employment. If at any time employees are judged to exhibit unfitting or nuisance behavior by the Owner or the Owner's representative, the Contractor shall immediately remove that employee.

1.4 SUBMITTALS

A. Pre-Work Submittals: Prior to the start of work, submit the following to the Owner and/or Owner's Representative for review, as applicable.
   1. Copy of State or local license for hazardous waste hauler.
   2. Certification of at least one on-site supervisor which has satisfactorily completed the OSHA 40 Hour Health and Safety Course for Handling Hazardous Materials.
   3. Certificates of workers which have successfully completed at least the OSHA 40-Hour Health and Safety Course for Hazardous Materials
   4. Name and address of the universal waste handler or a destination facility where the waste material is to be treated, deposited or recycled in accordance with all regulatory requirements (include contact person and telephone numbers), if the universal waste meets the definition of hazardous waste, the name and address of the hazardous waste treatment, storage and disposal (TSD) facility, the name and address of the mercury thermostat recycling collection site;
   5. Material Safety Data Sheets for all materials requiring removal;
   6. Contingency Plan for handling emergency spills or leaks;
   7. Project Notifications and Permits.

B. On-Site Submittals: Refer to Part 3.01.A for all submittals, documentation, and postings required to be maintained on-site during abatement activities.

C. Project Close-out Submittals: Within 30 days of the completion of the work, the Contractor shall submit copies of the documents listed below, as applicable. One set of the documents shall be transmitted to the Owner and one set to the Owner's representative for review and approval.
1. Waste disposal manifests.
2. Daily progress log.
3. A list of all Workers used in the performance of the Project.
4. Project notifications and Permits.
5. Visit Logs
6. Incident Investigation Reports
7.

1.5 PRE-CONSTRUCTION CONFERENCE

A. Prior to start of preparatory Work under this Contract, the Contractor shall attend a pre-construction conference attended by Owner, Facility Personnel, and Environmental Consultant.

B. Agenda for this conference shall include but not necessarily be limited to:
1. Contractor's scope of Work, Work plan, and schedule to include number of workers and shifts.
2. Contractor's safety and health precautions.
3. Environmental Consultant's duties, functions, and authority.
4. Contractor's Work procedures including:
   a. Methods of job site preparation and removal methods.
   b. Disposal procedures.
   c. Cleanup procedures.
5. Contractor's required pre-work and on-site submittals, documentation, and postings.
6. Contractor's plan for twenty-four (24) hour Project security both for prevention of theft and for barring entry of unauthorized personnel into Work Areas.
7. Temporary utilities.
8. Storage of removed materials.
9. Waste disposal requirements and procedures.

C. In conjunction with the conference the Contractor shall accompany the Owner and Environmental Consultant on a pre-construction walk-through reviewing overall Work plan, location of fire exits, fire protection equipment, water supply and electric tie-in.

1.6 APPLICABLE STANDARDS AND REGULATIONS

A. The Contractor shall, at a minimum, comply with the following codes and standards, except where more stringent requirements are shown or specified:

B. Federal Regulations:
1. 29 CFR 1910.1000 "Air Contaminants" (OSHA)
2. 29 CFR 1910.120 "Hazardous Waste Operations and Emergency Response" (OSHA)
3. 40 CFR Part 261-271 "Hazardous Waste" (EPA)
4. 40 CFR Part 273 "Universal Waste" (EPA)
5. 49 CFR 171-172 "Transportation Standards" (DOT)
6. 49 CFR 171-178 "Shipping Container Specification" (DOT)

C. North Carolina Regulations:
1. 15A NCAC 13A Hazardous and Universal Waste Management
2. DOL Chapter 7, Title 13 of the North Carolina Administrative Code

3. DOT Title 19A of the North Carolina Administrative Code

1.7 PROJECT MONITORING

A. The Owner shall engage the services of an Environmental Consultant (the Consultant) who shall serve as the Owner's Representative with regard to the performance of the Project and provide guidance as required throughout the entire abatement Project period.

B. The Contractor is required to ensure cooperation of its personnel with the Consultant with regard to the Project monitoring functions described in this section. The Contractor shall comply with these contract documents and all applicable regulations during the course of the Project.

C. The Consultant shall provide the following administrative services:
1. Review and approve or disapprove all submittals, shop drawings, and samples.
2. Document that all notifications to governmental agencies by the Contractor are submitted in a timely manner and are correct in content.

D. The Consultant shall staff the Project with a trained and appropriately accredited person(s) to act on the Owner's behalf at the job site. This individual shall be designated as the Project Monitor (PM).
3. The PM shall be on-site at all times the Contractor is on-site. The Contractor shall not be permitted to conduct any Work when the PM is not on-site unless otherwise approved.
4. The PM shall have the authority to direct the actions of the Contractor verbally and in writing, if necessary, to ensure compliance with the Project documents and all applicable regulations. The PM shall have the authority to Stop Work when gross work practice deficiencies or unsafe practices are observed.
   a. Such Stop Work order shall be effective immediately and remain in effect until corrective measures have been taken and the situation has been corrected.
   b. Standby time required to resolve the situation shall be at the Contractor's expense.
5. The PM shall provide the following services:
   a. Inspection of the Contractor's work, practices, and procedures for compliance with applicable regulations and Project specifications.
   c. Verify daily that all Workers used in the performance of the Project are appropriately trained.
   d. Monitor the progress of the Contractor's Work, and report deviations from the schedule to the Owner.
   e. Monitor, verify, and document waste load-out operations.
   f. The PM shall maintain a log on-site that documents project related and Consultant and Contractor actions, activities, and occurrences.
6. The following minimum inspections shall be conducted by the PM. Additional inspections shall be conducted as required by Project conditions. Progression from one phase of Work to the next by the Contractor is only permitted with the approval of the PM.
   a. Pre-Construction Inspection: The purpose of this inspection is to verify the existing conditions of the Work Areas and to document these conditions.
   c. Work Inspections: The purpose of this inspection is to monitor the Work practices and procedures employed on the Project.
   d. Visual Clearance Inspection: The purpose of this inspection is to verify that: all materials in the scope of work have been removed.
   e. Punch List Inspection: The purpose of this inspection is to verify the Contractor's certification that Work has been completed as contracted and the existing condition of the area prior to its release to the Owner.

1.8 PROJECT SUPERVISOR

A. The Contractor shall designate a full-time Project Supervisor who shall meet the following qualifications:
   1. The Project Supervisor shall have training in accordance with 29 CFR 1910.120 (HAZWOPER).
   2. The Project Supervisor must be able to speak, read, and write English fluently, as well as communicate in the primary language of the Workers.

B. If the Project Supervisor is not on-site at any time whatsoever, all Work shall be stopped. The Project Supervisor shall remain on-site until the Project is complete. The Project Supervisor cannot be removed from the Project without the written consent of the Owner and the Environmental Consultant. The Project Supervisor shall be removed from the Project if so requested by the Owner.

C. The Project Supervisor shall maintain the Daily Project Log that also includes the requirements of Section 2.03 of the specifications.

D. The Project Supervisor shall be responsible for the performance of the Work and shall represent the Contractor in all respects at the Project site. The Supervisor shall be the primary point of contact for the Project Monitor.

1.9 TRAINING

A. All workers shall have training in accordance with 29 CFR 1910.120 (HAZWOPER).

1.10 DELIVERY AND STORAGE

A. Deliver all materials to the job site in original packages with containers bearing manufacturer's name and label.

B. Store all materials at the job site in a suitable and designated area.
   1. Store materials subject to deterioration or damage away from wet or damp surfaces and under cover.
   2. Protect materials from unintended contamination and theft.
   3. Storage areas shall be kept clean and organized.

C. Remove damaged or deteriorated materials from the job site.

1.11 TEMPORARY UTILITIES

A. Shut down and lock out all electrical power to the Work Areas for locations where electrical power would constitute a risk to worker safety.

B. At the Owner’s discretion, provide temporary 120-240 volt, single phase, three wire, 100 amp electric service with Ground Fault Circuit Interrupters (GFCI) for all electric requirements within the Work Area.
   1. Where available, obtain from Owner's existing system. Otherwise provide power from other sources (i.e. generator).
   2. Provide temporary wiring and "weatherproof" receptacles in sufficient quantity and location to serve all HEPA equipment and tools.
   3. Provide wiring and receptacles as required by the Environmental Consultant for air sampling equipment.

4. All power to the Work Area shall be brought in from outside the area through GFCI's at the source.

C. Provide temporary lighting with "weatherproof" fixtures for all Work Areas.
1. The entire Work Area shall be kept illuminated at all times.
2. Provide lighting as required by the Environmental Consultant for the purposes of performing required inspections.

PART 2 PRODUCTS

2.1 PROTECTIVE CLOTHING

A. Provide personnel utilized during the Project with disposable protective whole body clothing, head coverings, gloves and foot coverings. Provide disposable plastic or rubber gloves to protect hands. Cloth gloves may be worn inside the plastic or rubber for comfort, but shall not be used alone. Make sleeves secure at the wrists and make foot coverings secure at the ankles by the use of tape, or provide disposable coverings with elastic wrists or tops.

B. Provide sufficient quantities of protective clothing to assure a minimum of four (4) complete disposable outfits per day for each individual performing the Work.

C. Eye protection and hard hats shall be provided and made available for all personnel entering any Work Area.

D. Authorized visitors shall be provided with suitable protective clothing, headgear, eye protection, and footwear whenever they enter the Work Area.

2.2 SIGNS AND LABELS

A. Labels: As required by the EPA and OSHA for handling, transportation, and disposal of hazardous waste.

B. Drums: Recovery or salvage drums acceptable for disposal of hazardous waste. Prior approval of drums is required. Drums or containers must meet the required OSHA EPA (40 CFR Parts 264, 265 and 300), and DOT regulations (49 CFR Parts 171-178). Use of damaged drums will not be allowed.

2.3 DAILY PROJECT LOG

A. Provide a Daily Project Log. The log shall contain on title page the Project name, name, address and phone number of Owner; name, address and phone number of Environmental Consultant; name, address and phone number of the Contractor; emergency numbers including, but not limited to local Fire/Rescue department and all other requirements.

B. All entries into the log shall be made in non-washable, permanent ink and such pen shall be strung to or otherwise attached to the log to prevent removal from the log-in area. Under no circumstances shall pencil entries be permitted.

2.4 SCAFFOLDING AND LADDERS

A. Provide all scaffolding and/or staging as necessary to accomplish the Work of this Contract. Scaffolding may be of suspension type or standing type such as metal tube and coupler, tubular welded frame, pole or outrigger type or cantilever type. All scaffolding shall be designed and constructed in accordance with OSHA, and any other applicable federal, state and local government regulations. Whenever there is a conflict or overlap of the above references the most stringent provisions are applicable. Daily inspection of the scaffolding shall be conducted by a competent person.

B. Provide scaffolding and ladders as required by the Environmental Consultant for the purposes of performing required inspections.

PART 3 EXECUTION

3.1 GENERAL REQUIREMENTS

A. The following submittals, documentation, and postings shall be maintained on-site by the Contractor during abatement activities at a location approved by the Abatement Project Monitor:
1. Proof that Workers have been appropriately trained as per 29 CFR 1910.120.
3. Project documents.
4. Notifications and Permits, as applicable. Ensure that the most up-to-date notifications are on-site.
5. Applicable regulations.
6. Safety Data Sheets of supplies/chemicals used on the Project.
7. List of emergency telephone numbers.
8. Daily Project Log.

B. The following documentation shall be maintained on-site by the Project Monitor during removal activities:
1. Project Monitor Daily Log.
2. Survey Report.

C. The Work Area must be vacated by building occupants prior to the start of Work.

3.2 REMOVAL OF UNIVERSAL WASTE & OTHER REGULATED MATERIALS

A. Employee training shall ensure that all employees are thoroughly familiar with proper waste handling and emergency procedures, relative to their responsibilities during normal operations and emergencies and to the type of waste they are handling.

B. Remove lighting tubes/lamps from the lighting fixture and carefully place (unbroken) into appropriate containers (original transport boxes or equivalent). In the event of a breakage, use and approved absorbent and clean the affected area. Place waste in double plastic taped bags and dispose of as hazardous waste as specified herein.

C. Remove thermostats and switches and carefully place (unbroken) into appropriate containers (original transport boxes or equivalent). In the event of a breakage, use an approved absorbent and clean the affected area. Place waste in double plastic taped bags and dispose of as hazardous waste as specified herein.

D. Once the properly labeled containers holding the universal waste have been filled and sealed, they shall be stored in designated accumulation areas as agreed upon by the Owners Representative and Contractor. Waste shall not be stored in transportation vehicles or onsite for longer than one year and shall be removed from the site prior to project completion.

E. Documentation when a universal waste in storage was first accumulated shall be provided. This is to be done by dating and labeling the waste with the date of the earliest accumulation that can document the length of time the universal waste has been accumulated.

F. Maintenance of an inventory system on-site that identifies the earliest date that any universal waste in a group of universal waste items or a group of containers of universal waste became a waste was received.

G. Any waste developed from the work that exhibits one or more characteristics of hazardous waste, that are not specifically identified by EPA or NC DEQ as Universal Waste, must be handled accordingly and not as a universal waste.

3.3 RESTORATION OF UTILITIES, FIRESTOPPING, AND FINISHES

A. After final visual clearance, remove locks and restore electrical and HVAC systems, as applicable. All temporary power shall be disconnected, power lockouts removed and power restored. All temporary plumbing shall be removed.

B. Finishes and penetrations damaged by removal activities shall be restored prior to final payment, as applicable. As the structure subject to this work is scheduled to be demolished, restoration of finishing materials is not expected. However, access points made to the structure to facilitate the work may need to be restored to maintain building security and/or weatherization.

PART 4 DISPOSAL OF UNIVERSAL WASTE & OTHER REGULATED MATERIALS

4.1 TRANSPORTATION AND DISPOSAL SITE

A. The Contractor's Hauler and Disposal Site shall be approved by the Owner and/or Owner’s Representative.

B. The Contractor shall give twenty-four (24) hour notification prior to removing any waste from the site. Waste shall be removed from the site only during normal working hours unless otherwise specified. No waste may be taken from the site unless the Contractor and Environmental Consultant are present and the Environmental Consultant authorizes the release of the waste as described herein.

C. The Hauler, with the Contractor and the Environmental Consultant, shall inspect all material in the transport container prior to taking possession.

D. Unless specifically approved by the Owner, the Contractor shall not permit any off-site transfers of the waste or allow the waste to be transported or combined with any other material. The Hauler must travel directly to the disposal site with no unauthorized stops.

E. Off-Site Shipment of Universal Waste

1. Off-Site shipments shall meet the requirements for offsite shipments and the Contractor is prohibited from sending or taking universal waste to a place other than a designated universal waste handler or a universal waste destination facility.

2. LQH's of universal waste must notify EPA in writing and develop an EPA identification number or co-ordinate with the facility regarding use of their EPA identification number, prior to exceeding 5,000 kilograms of universal waste onsite.
3. SQH's do not need to notify EPA, receive an EPA identification number or keep records of shipments of universal waste.
4. LQH's must keep a record of all universal waste shipments received or sent offsite, and must retain those records for at least three years from the date of receipt or shipment. Records may include invoices, manifests, logs, bills of lading, or other shipping documents.
5. The Contractor shall provide certified copies of all receipts obtained from designated mercury thermostat recycling collection sites within 30 days of thermostat acceptance by collection site.
6. The Contractor shall furnish all certified copies of manifests (interim storage and final disposal) within regulatory requirements. Within 30 days from acceptance of the waste by the disposal facility, the Contractor shall provide the Owner with Certificate of Disposal documents, as a requirement for final payment.

END OF DOCUMENT

DIVISION 31 – EARTH MOVING

SECTION 31 20 00 EARTH WORK

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:
1. Excavating and filling for rough grading the Site.

1.3 PRICE AND PAYMENT PROCEDURES

A. Work of this Section is affected by unit prices for earth moving specified in Section 01 20 00 Price and Payment Procedures

B. Measurement: Payment will be based on weight measurement tickets provided by respective waste disposal facility.

1.4 DEFINITIONS

A. Backfill: Soil material or controlled low-strength material used to fill an excavation.
1. Initial Backfill: Backfill placed beside and over pipe in a trench, including haunches to support sides of pipe.
2. Final Backfill: Backfill placed over initial backfill to fill a trench.

B. Borrow Soil: Satisfactory soil imported from off-site for use as fill or backfill.

C. Excavation: Removal of material encountered above subgrade elevations and to lines and dimensions indicated.
1. Authorized Additional Excavation: Excavation below subgrade elevations or beyond indicated lines and dimensions as directed by Engineer. Authorized additional excavation and replacement material will be paid for according to Contract provisions for unit prices changes in the Work.
2. Unauthorized Excavation: Excavation below subgrade elevations or beyond indicated lines and dimensions without direction by Architect. Unauthorized excavation, as well as remedial work directed by Architect, shall be without additional compensation.

D. Subgrade: Uppermost surface of an excavation or the top surface of a fill or backfill immediately below subbase, drainage fill, drainage course, or topsoil materials.

E. Utilities: On-site underground pipes, conduits, ducts, and cables as well as underground services within buildings.

F. Rock: Rock material in beds, ledges, unstratified masses, conglomerate deposits, and boulders of rock material 3/4 cu. yd. or more in volume that exceed a standard penetration resistance of 100 blows/2 inches when tested by a geotechnical testing agency, according to ASTM D 1586.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For qualified testing agency.

B. Material Test Reports: For each on-site soil material proposed for fill and backfill as follows:
1. Classification according to ASTM D 2487.
2. Laboratory compaction curve according to ASTM D 698 .

C. Pre-excavation Photographs or Videotape: Show existing conditions of adjoining construction and site improvements, including finish surfaces that might be misconstrued as damage caused by earth-moving operations. Submit before earth moving begins.

1.6 QUALITY ASSURANCE

A. Inspections, Laboratory, and Field Testing Services:
1. Geotechnical Engineer: The Owner will engage a Geotechnical Engineer for soil inspections, laboratory testing, and field testing services for quality control testing during earthwork operations.
2. Test classification and compaction of soils. Tests will be performed at the following locations and frequencies:
a. General Earthworks: Perform one test per compacted lift (maximum 8” lift), per 2,000 square feet or less of area, per day, but in no case fewer than three tests, unless otherwise directed by the Geotechnical engineer.
b. Perform Gradation and Atterberg Limits testing as required to verify the intent of the Subsurface Exploration Report in accordance with ASTM D-422 and D-4318.
3. Allow Geotechnical Engineer to inspect and test subgrade and each fill or backfill layer. Proceed with subsequent earth moving only after test results for previously completed work comply with requirements.
4. When subgrades, fills, or backfills have not achieved degree of compaction specified, scarify and moisten or aerate, or remove and replace soil materials to depth required; recompact and retest until specified compaction is obtained.

B. Correct deficiencies in Work that test reports and inspections indicate does not comply with the Contract Documents.

C. Additional testing performed to determine compliance of corrected work with specified requirements shall be at Contractor’s expense.

1.7 FIELD CONDITIONS

A. Site Information:

1. The Contractor, by careful examination, shall inform himself as to the nature and location of the Work; the conformation of the ground, the nature of subsurface conditions; the locations of the groundwater table; the character, quality, and quantity of the materials to be encountered; the character of the equipment and facilities needed preliminary to and during the execution of the work; and all other matters which can be in any way affect the Work.
2. The Contractor shall examine the site, available drawings, records of existing utilities and construction, record of test borings, and the subsurface exploration reports to determine conditions under which the Work will be performed.
3. Data on indicated subsurface conditions are not intended as representations or warranties of accuracy or continuity between soil borings. The Owner will not be held responsible for interpretations or conclusions drawn by the Contractor. Additional test borings and other exploratory operations may be made by the Contractor at no cost to the Owner.

B. Traffic: Minimize interference with adjoining roads, streets, walks, and other adjacent occupied or used facilities during earth-moving operations.
1. Do not close or obstruct streets, walks, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction.
2. Provide alternate routes around closed or obstructed traffic ways if required by Owner or authorities having jurisdiction.
3. Do not obstruct site access for emergency vehicles and personnel

C. Utility Locator Service: Notify utility locator service for area where Project is located before beginning earth-moving operations.

D. Existing Utilities:
1. Locate all existing underground utilizes in areas of work before proceeding. Provide adequate support and protection during earthwork operations of utilies that are to remain in place. Demolish existing utilities as indicated and completely remove from the project site. Coordinate with utility companies, or governing entity, for proper shut-off of services for active lines.
2. If any active utility not indicated in the drawings is encountered, notify the Engineer and protect from damage until instructions for proper disposition of the utility are given by the Engineer. Perform the requested work in compliance with the rules and regulations of authority having jurisdiction.
3. Repair active utilities scheduled to remain that are damaged by earthwork operations to the satisfaction of the utility owner.
4. If any inactive utility not indicated on the drawings is encountered, remove, plug, or cap as directed by the Engineer. Obtain any necessary data relative to proposed abandonment of existing utility service from authority having jurisdiction.
5. Do not interrupt existing utilities serving facilities occupied and used by Owner or others, during occupied hours, except when permitted in writing by the Construction Manager and then only after acceptable temporary utility services have been provided. Provide minimum of 48-hour notice to Project Representative, and receive written notice to proceed before interrupting any utility.

E. Do not commence earth-moving operations until temporary site fencing and erosion- and sedimentation-control measures are in place.

F. Do not commence earth-moving operations until plant-protection measures are in place.

G. The following practices are prohibited within protection zones:
1. Storage of construction materials, debris, or excavated material.
2. Parking vehicles or equipment.
3. Foot traffic.
4. Erection of sheds or structures.
5. Impoundment of water.
6. Excavation or other digging unless otherwise indicated.
7. Attachment of signs to or wrapping materials around trees or plants unless otherwise indicated.

H. Do not direct vehicle or equipment exhaust towards protection zones.

I. Prohibit heat sources, flames, ignition sources, and smoking within or near protection zones.

PART 2 PRODUCTS

2.1 SOIL MATERIALS

A. General: Provide borrow soil materials when sufficient satisfactory soil materials are not available from excavations.

B. Satisfactory Soils for General Earthworks: Soil Classification Groups GW, GP, GM, GC, SW, SP, ML, SM, SC, and CL according to ASTM D 2487 and Groups A-1, A-2, A3, A-4, and A-6 according to AASHTO M 145, or a combination of these groups; free of rock or gravel larger than 3 inches in any dimension, debris, waste, frozen materials, vegetation, and other deleterious matter.

C. Unsatisfactory Soils: Soil Classification Groups OL, CH, MH, OH, and PT according to ASTM D 2487 and Groups A-5 and A-7 according to AASHTO M 145, or a combination of these groups.
1. Unsatisfactory soils also include satisfactory soils not maintained within 3 percent of optimum moisture content at time of compaction.

D. Approved Fill Material: All soil materials used for the project shall be approved by the Engineer prior to hauling and placement. Soil materials used for fill or backfill shall be retested and reapproved each time the source or properties of the material changes

PART 3 EXECUTION

3.1 EXCAVATION

A. Perform excavation work as requested by the onsite representative.

B. Area to be excavated to be determined based on exploration activities described in Section 02 65 00

C. Protection of Work:
   1. Contractor is responsible for any shoring required for excavation. Excavation shall be performed in accordance with all State, Local, and OSHA safety requirements.
   2. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by earth-moving operations.
   3. Protect and maintain erosion and sedimentation controls during earth-moving operations.
   4. Do not commence earth moving operations until temporary erosion and sedimentation control measures are in place.
   6. Do not commence earth moving operations until plant protection measures are in place.

D. Prevent surface water and ground water from entering excavations, from ponding on prepared subgrades, and from flooding Project site and surrounding area.

E. Protect subgrades from softening, undermining, washout, and damage by rain or water accumulation.
   1. Reroute surface water runoff away from excavated areas. Do not allow water to accumulate in excavations. Do not use excavated trenches as temporary drainage ditches.

F. Material to be excavated will be classified as earth and rock. Do not excavate rock until it has been classified and cross sectioned by onsite representative.
   1. Excavation includes excavating pavements and obstructions visible on surface; underground structures, utilities, and other items indicated to be removed; and soil, boulders, and other materials not classified as rock or unauthorized excavation.

3.2 STORAGE OF SOIL MATERIALS

A. Stockpile borrow soil materials and excavated satisfactory soil materials without intermixing. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.
   1. Stockpile soil materials away from edge of excavations. Do not store within drip line of remaining trees.

3.3 BACKFILL

A. General: Place backfill on subgrades free of mud, frost, snow, ice, and/or excess water.

B. Place Fill Material in compacted, uniform, continuous layer.

3.4 SOIL MOISTURE CONTROL

A. Uniformly moisten or aerate subgrade and each subsequent fill or backfill soil layer before compaction to within 3 percent of optimum moisture content.
   1. Do not place backfill or fill soil material on surfaces that are muddy, frozen, or contain frost or ice.
   2. Remove and replace, or scarify and air dry, otherwise satisfactory soil material that exceeds optimum moisture content by 3 percent and is too wet to compact to specified dry unit weight.

3.5 COMPACTION OF SOIL BACKFILLS AND FILLS

A. Place backfill and fill soil materials in layers not more than 8 inches in loose depth for material compacted by heavy compaction equipment and not more than 6 inches in loose depth for material compacted by hand-operated tampers.

B. Place backfill and fill soil materials evenly on all sides of structures to required elevations and uniformly along the full length of each structure.

C. Compact each lift of fill material to at least 95% of the material's maximum dry density while maintaining the soil moisture content within 3% of optimum moisture content.

3.6 FIELD QUALITY CONTROL

A. Special Inspections: Owner will engage a qualified special inspector to perform the following special inspections:
   1. Determine prior to placement of fill that site has been prepared in compliance with requirements.
   2. Determine that fill material classification and maximum lift thickness comply with requirements.
   3. Determine, during placement and compaction, that in-place density of compacted fill complies with requirements.

B. Testing Agency: Owner will engage a qualified geotechnical engineering testing agency to perform tests and inspections.

C. Contractor shall cooperate with Geotechnical Engineer in the performance of the required tests and inspections.

D. The Geotechnical Engineer shall review all laboratory test results and submit reports specified in this Section. Geotechnical Engineer will also observe, in the field, all earthwork related operations.

E. The Geotechnical Engineer will interpret the tests, state in each report whether or not the test specimens comply with all requirements of the Contract Documents and note any deviations therefrom.

F. The Geotechnical Engineer will identify when and where samples are to be obtained. Contractor shall collect samples and forward them to the Testing Laboratory for testing.

As necessary, the Geotechnical Engineer will submit the following laboratory test reports on each type of borrow and fill material:

1. Gradation Analysis – ASTM D 422.
2. Atterberg Limits – ASTM D 4318.
3. Standard Moisture-Density Relationship – ASTM D 698.

G. The Geotechnical Engineer will determine the conformance of material to be used for fills.

H. Field Testing of Fill Areas: Prepared fill lifts will be tested and approved by the Geotechnical Engineer before construction of any further work thereon. Inspection and test of subgrades and fill layers will be taken as follows:

1. For each compacted fill layer, Perform one test per compacted lift (maximum 8” lift), per 2,000 square feet or less of area, per day, but in no case fewer than three tests, unless otherwise instructed by the Geotechnical Engineer. Each lift shall meet the compaction requirement of Part 3.17 of this Section.

I. Allow testing agency to inspect and test subgrades and each fill or backfill layer. Proceed with subsequent earth moving only after test results for previously completed work comply with requirements.

J. Testing agency will test compaction of soils in place according to ASTM D 1556, ASTM D 2167, ASTM D 2937, and ASTM D 6938, as applicable.

K. When testing agency reports that subgrades, fills, or backfills have not achieved degree of compaction specified, scarify and moisten or aerate, or remove and replace soil materials to depth required; recompact and retest until specified compaction is obtained. Additional compaction and testing shall be at the expense of the Contractor.

3.7 DISPOSAL OF SURPLUS AND WASTE MATERIALS

A. Remove surplus unsatisfactory soil and waste materials, including unsatisfactory soil, trash, and debris, and legally dispose of them off Owner's property.

B. Transport surplus satisfactory soil to designated storage areas on Owner's property. Stockpile or spread soil as directed by Engineer.

END OF DOCUMENT

DIVISION 32 – EXTERIOR IMPROVEMENTS

SECTION 32 31 13 - CHAIN LINK FENCING

PART 1 GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Chain-link fences.

1.3 PERFORMANCE REQUIREMENTS

A. Structural Performance: Chain-link fence shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated according to ASCE/SEI 7:

1. Minimum Post Size: Determine according to ASTM F 1043 for framework up to 8 feet high, and post spacing not to exceed 8 feet.

2. Minimum Post Size and Maximum Spacing: Determine according to CLFMI WLG 2445, based on mesh size and pattern specified and on the following:

a. Wind Loads: 95 mph.
b. Exposure Category: B.
c. Fence Height: 6 feet.
d. Material Group: IA, ASTM F 1043, Schedule 40 steel pipe or stronger if warranted to meet wind load requirements. Contractor to verify prior pipe material prior to bid and installation.

B. Fence posts, footers and fabric not structurally designed for wind/privacy screen applications. Any wind/privacy screens installed after construction will be at the owner's discretion and risk.

C. Fence system shall meet all applicable ASTM standards. Including but not limited to

1. F 668 - Specification for Poly (Vinyl Chloride)/(PVC) - Coated Steel Chain Link Fabric

2. F 567 - Practice for Installation of Chain Link Fence

3. F 669 - Specification for Strength Requirements of Metal Posts and Rails for Industrial Chain Link Fence

4. F 900 - Specification for Industrial and Commercial Swing Gates

5. F 934 - Standard Colors for Polymer-Coated Chain Link Fence Materials

6. F 1083 - Specification for Pipe, Steel, Hot-Dipped Zinc-Coated (Galvanized) Welded, for Fence Structures

7. F 1234 - Specification for Protective Coatings in Steel Framework for Fences

1.4 SUBMITTALS

A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components, and finishes for chain-link fences and gates.

1. Fence, rails, and fittings.

2. Chain-link fabric, reinforcements, and attachments.

B. Samples for Initial Selection: For components with factory-applied color finishes.

C. Delegated-Design Submittal: For chain-link fences and gate framework indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

D. Qualification Data: For qualified professional engineer.

E. Product Certificates: For each type of chain-link fence from manufacturer.

F. Product Test Reports: For framing strength according to ASTM F 1043.

G. Field quality-control reports.

H. Operation and Maintenance Data: For the following to include in emergency, operation, and maintenance manuals:

1. Polymer finishes.

I. Warranty: Sample of special warranty.

J. Other Informational Submittals:

1. Record drawings.

1.5 QUALITY ASSURANCE

A. Testing Agency Qualifications: For testing fence grounding. Member company of NETA or an NRTL.

1. Testing Agency's Field Supervisor: Currently certified by NETA to supervise on-site testing.

B. Emergency Access Requirements: Comply with requirements of authorities having jurisdiction for gates with automatic gate operators serving as a required means of access.

C. Preinstallation Conference: Conduct conference at Project site.

1. Inspect and discuss work specified.

2. Review required testing, inspecting, and certifying procedures.

1.6 PROJECT CONDITIONS

A. Field Measurements: Verify layout information for chain-link fences and gates shown on Drawings in relation to property survey and existing structures. Verify dimensions by field measurements.

1.7 WARRANTY – Refer to Division 01

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements.

2.2 CHAIN-LINK FENCE FABRIC

A. General: Height indicated on Drawings, limited to 6 feet. Provide fabric in one-piece heights measured between top and bottom of outer edge of selvage knuckle or twist. Comply with ASTM A 392, CLFMI CLF 2445, and requirements indicated below:

B. Fabric

1. 2 inches x 2 inches 9 guage nominal wire mesh, hot dipped galvanized steel conforming to ASTM A392. Fabric shall be knuckled top and bottom.

2. ALTERNATE 1: 2 B Fused and Ponded Black PVC coated wire Fabric: ASTM F 1183 ASTM F 668.

a. Mesh Size: 2 inches x 2inches 9 Gauge core
b. Thermally bonded polyvinyl chloride (PV), plastic resin finish over galvanize steel wire. Comply with ASTM F668, Class 2, not less than 10 mils (0.10”) thick.
c. All fabric shall be commercial grade

C. Bracing Members:

1 Tubular Aluminum

2.3 FITTINGS

A. General: Comply with ASTM F 626.

B. Post and Line Caps: Provide for each post.

1. Line post caps with loop to receive tension wire or top rail.

C. Rail and Brace Ends: Attach rails securely to each gate, corner, pull, and end post.

D. Rail Fittings: Provide the following:

1. Top Rail Sleeves: round-steel tubing not less than 6 inches long.

2. Rail Clamps: Line and corner boulevard clamps for connecting intermediate and bottom rails in the fence line-to-line posts.

E. Tension and Brace Bands: Aluminum Alloy 6063.

F. Tension Bars: Aluminum Fiberglass, length not less than 2 inches shorter than full height of chain-link fabric. Provide one bar for each gate and end post, and two for each corner and pull post, unless fabric is integrally woven into post.

G. Truss Rod Assemblies: Mill-finished aluminum rod and turnbuckle or other means of adjustment.

H. Tie Wires, Clips, and Fasteners: According to ASTM F 626.

1. Standard Round Wire Ties: For attaching chain-link fabric to posts, rails, and frames, complying with the following:

   a. Aluminum: ASTM B 211; Alloy 1350-H19; 0.148-inch- diameter, mill-finished wire.

I. Finish:

1. Metallic Coating for Pressed Steel or Cast Iron: Not less than 1.2 oz. /sq. ft. zinc.

2. Aluminum: Mill finish.

3. If Black vinyl coated fencing fabric is selected as an alternate, all appurtenances, including posts, rails, clips, bands, fittings, etc., necessary for a complete fence system shall be black vinyl or powder coated meeting industry standards for this type of finish.

2.4 POLYMER FINISHES

A. Supplemental Color Coating: In addition to specified metallic coatings for steel, provide fence components with polymer coating.

B. Metallic-Coated Steel Tension Wire: PVC-coated wire complying with ASTM F 1664, Class 1.

C. Metallic-Coated Steel Framing and Fittings: Comply with ASTM F 626 and ASTM F 1043 for polymer coating applied to exterior surfaces and, except inside cap shapes, to exposed interior surfaces.

1. Polymer Coating: Not less than 10-mil thick PVC polyester finish.

D. Color: Black, complying with ASTM F 934.

2.5 CAST-IN-PLACE CONCRETE

A. Materials: Portland cement complying with ASTM C 150, Type I aggregates complying with ASTM C 33, and potable water for ready-mixed concrete complying with ASTM C 94/C 94M. Measure, batch, and mix Project-site-mixed concrete according to ASTM C 94/C 94M.

1. Concrete Mixes: Normal-weight concrete with not less than 3000-psi compressive strength (28 days), 3-inch slump, and 1-inch maximum size aggregate.

B. Materials: Dry-packaged concrete mix complying with ASTM C 387 for normal-weight concrete mixed with potable water according to manufacturer's written instructions.

PART 3 EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions, with Installer present, for compliance with requirements for a verified survey of property lines and legal boundaries, site clearing, earthwork, pavement work, and other conditions affecting performance of the Work.

1. Do not begin installation before final grading is completed unless otherwise permitted by owner’s representative.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of 500 feet or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.

3.3 INSTALLATION, GENERAL

A. Install chain-link fencing to comply with ASTM F 567 and more stringent requirements indicated.

1. Install fencing on established project boundary lines inside property line as shown on Drawings.

3.4 CHAIN-LINK FENCE INSTALLATION

A. Post Excavation: Drill or hand-excavate holes for posts to diameters and spacings indicated, in firm, undisturbed soil.

B. Post Setting: Set posts in concrete at indicated spacing into firm, undisturbed soil.

1. Verify that posts are set plumb, aligned, and at correct height and spacing, and hold in position during setting with concrete or mechanical devices.

2. Concrete Fill: Place concrete around posts to dimensions indicated and vibrate or tamp for consolidation. Protect aboveground portion of posts from concrete splatter.

a. Exposed Concrete: Extend 2 inches above grade; shape and smooth to shed water.
b. Concealed Concrete: Top 2 inches below grade to allow covering with surface material.
c. Posts Set into Concrete in Sleeves: Use steel pipe sleeves preset and anchored into concrete for installing posts. After posts have been inserted into sleeves, fill annular space between post and sleeve with non-shrink, nonmetallic grout, mixed and placed to comply with anchoring material manufacturer's written instructions, and finished sloped to drain water away from post.
d. Posts Set into Voids in Concrete: Form or core drill holes not less than 5 inches deep and 3/4 inch larger than OD of post. Clean holes of loose material, insert posts, and fill annular space between post and concrete with non-shrink, nonmetallic grout, mixed and placed to comply with anchoring material manufacturer's written instructions, and finished sloped to drain water away from post.

3. Mechanically Driven Posts: Drive into soil to depth of 30 inches. Protect post top to prevent distortion.

C. Terminal Posts: Locate terminal end, corner, and gate posts per ASTM F 567 and terminal pull posts at changes in horizontal or vertical alignment of 30 degrees or more.

D. Line Posts: Space line posts uniformly on center per detail.

E. Post Bracing and Intermediate Rails: Install according to ASTM F 567, maintaining plumb position and alignment of fencing. Diagonally brace terminal posts to adjacent line posts with truss rods and turnbuckles. Install braces at end and gate posts and at both sides of corner and pull posts.

1. Locate horizontal braces at mid-height of fabric on fences with top rail and at two-third fabric height on fences without top rail. Install so posts are plumb when diagonal rod is under proper tension.

F. Top Rail: Install according to ASTM F 567, maintaining plumb position and alignment of fencing. Run rail continuously through line post caps, bending to radius for curved runs and terminating into rail end attached to posts or post caps fabricated to receive rail at terminal posts. Provide expansion couplings as recommended in writing by fencing manufacturer.

G. Intermediate and Bottom Rails: Install and secure to posts with fittings.

H. Chain-Link Fabric: Apply fabric to outside of enclosing framework. Leave 2 inches between finish grade or surface and bottom selvage unless otherwise indicated. Pull fabric taut and tie to posts, rails, and tension wires. Anchor to framework so fabric remains under tension after pulling force is released.

I. Tension or Stretcher Bars: Thread through fabric and secure to end, corner, pull, and gate posts with tension bands spaced not more than 15 inches o.c.

J. Tie Wires: Use wire of proper length to firmly secure fabric to line posts and rails. Attach wire at one end to chain-link fabric, wrap wire around post a minimum of 180 degrees, and attach other end to chain-link fabric per ASTM F 626. Bend ends of wire to minimize hazard to individuals and clothing.

1. Maximum Spacing: Tie fabric to line posts at 12 inches o.c. and to braces at 24 inches o.c.

K. Fasteners: Install nuts for tension bands and carriage bolts on the side of the fence opposite the fabric side.

3.5 GATE INSTALLATION

A. Install gates according to manufacturer's written instructions, level, plumb, and secure for full opening without interference. Attach fabric as for fencing per manufacturer requirements. Attach hardware using tamper- resistant or concealed means. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation and lubricate where necessary.

3.6 ADJUSTING

A. Gates: Adjust gates to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding. Lubricate hardware and other moving parts.

END OF SECTION 32 31 13

APPENDIX A

DURHAM

1869

CITY OF MEDICINE

UNDERUTILIZED BUSINESS ENTERPRISE (UBE) REQUIREMENTS AND CONSTRUCTION FORMS

(City of Durham Underutilized Business Enterprise Program Construction Forms may be downloaded from the following web page: http://durhamnc.gov/documentcenter/view/9904)

CONTRACT: SP-2017-01

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October 11, 2017

Memo To: Marvin Williams, Director
Public Works

From: Deborah Giles, Director
Equal Opportunity/Equity Assurance

Subject: South Ellerbe Stormwater Building Demolition project

The Equal Opportunity/Equity Assurance Department reviewed the specifications submitted for the above-referenced project to determine appropriate UBE participation goals.

MUBE Participation Goal

Based on the specifications outlined for this project, the MUBE participation goal should be 11%.

WUBE Participation Goal

Based on the specifications outlined for this project, the WUBE participation goal should be 7%.

cc: Megan Walsh, Project Manager

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EO/EA CONSTRUCTION PROJECT MANUAL STATEMENT

It is the policy of the City to provide equal opportunities for City contracting to underutilized businesses owned by minorities and women doing business in the City's Contracting Marketplace. It is further the policy of the City to prohibit discrimination against any firm in pursuit of these opportunities, to conduct its contracting activities so as to prevent such discrimination, to correct the present effects of past discrimination and to resolve complaints of discrimination. This policy applies to construction contracting. The City's Department of Equal Opportunity / Equity Assurance Department has reviewed this proposed project and established Underutilized Business Enterprise (UBE) participation goals: Minority Business Enterprise (MUBE)-11% and Woman Business Enterprise (WUBE)-7%. A listing of firms from the HUB database is included in this project manual. Bidders may also use firms currently certified as MUBES and WUBES by N.C. D.O.T. and the SBA 8(a) Program to meet the participation requirements.

1. The bids will be evaluated and the contract awarded in accordance with statutory public contract requirements and as supplemented by the City of Durham's Equal Business Opportunity Program Construction Forms included with this bid. **The following forms are mandatory and must be filled out and returned with the bid proposal.**

   A. Bid Forms
   B. Non-Collusion Affidavit
   C. Bidder Safety Evaluation Questionnaire
   D. * BID BOND IF applicable****
   E. Equal Business Opportunity Program Construction Forms
      1. Forms E-101 UBE Participation On Base Bid and/or E-102 UBE Participation On Bid Alternate
      2. Form E-104 Employee Breakdown

   Any bids submitted without these completed forms may be deemed as "non-responsive". If there are any questions or problems in filling out the SDBE forms, please contact:

   City of Durham
   Equal Opportunity/Equity Assurance Department
   (919) 560-4180

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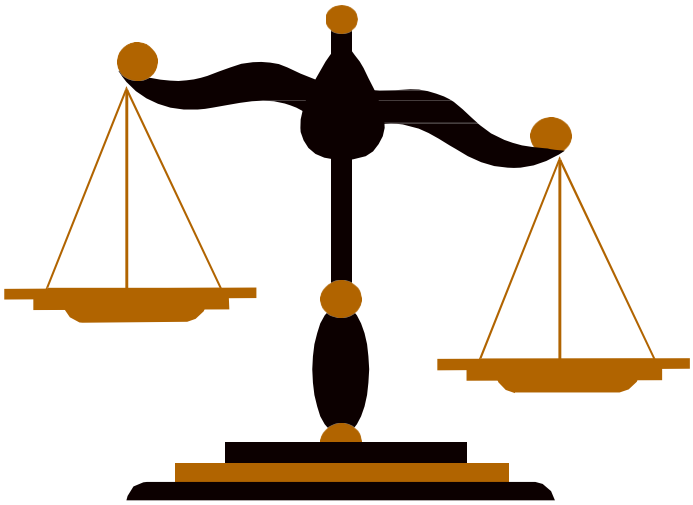
CITY OF DURHAM
EQUAL BUSINESS
OPPORTUNITYPROGRAM

CONSTRUCTION FORMS

Revised 3/2016



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Phone: 919-560-4180
Facsimile: 919-560-4513

Street Address:

101 City Hall Plaza (Annex)
Durham, North Carolina 27701

The Department of Equal Opportunity/Equity Assurance

Good Things Are Happening In Durham

INSTRUCTIONS ON UBE REQUIREMENTS

FOR USE IN BIDDING ON CONSTRUCTION PROJECTS WITH THE CITY OF DURHAM

These instructions summarize the provisions of the City of Durham's Equal Business Opportunity Ordinance as it applies to the bid process. Of course, as with any summary, it cannot reflect all of the ordinance.

QUESTIONS AND ANSWERS ON UBE REQUIREMENTS

1. **What is the purpose of the City's Equal Business Opportunity (EBO) program?** The City Manager has set UBE goals for certain contract classifications. There will be a goal for UBEs owned by minorities and a goal for UBEs owned by women. For the bid to be fully considered by the City, the bid needs to meet the established goals or the bidder needs to have made good-faith efforts to subcontract with UBEs in order to meet the goals. In order to be given credit for making those good-faith efforts, the bidder must provide written documentation of those good-faith efforts. That written documentation must be submitted to the City within 2 days after the bid opening unless a different time is stated by the City. See the instructions below regarding Form E-107.

2. **What is an "UBE"?** It means an Underutilized Business Enterprise. An UBE is a business, certified by the N. C. Department of Administration HUB Office, N.C. Department of Transportation or the U.S. Small Business Administration Section 8(a) Business Development Program as a minority or women business enterprise. The qualifying UBE needs to have its certification from one of the above named entities before the bid opening if it is to count toward meeting the goals. Failure to provide evidence of UBE status may disqualify the firm's participation for the purpose of meeting UBE goals

For purposes of this document and associated forms, any reference to an "UBE," or similar reference shall include reference to a qualified women or minority owned firm certified and approved in accordance with the above paragraphs.

3. **What UBE forms must a bidder or contractor turn in to the City, and when?**

Name or description of form	***Necessary to submit this form?***	***When to submit it?***
E-101 (UBE PARTICIPATION ON BASE BID)	Always	With the bid
E-102 (UBE PARTICIPATION ON BID ALTERNATE)	Yes, if there are alternates. Use a separate form for each alternate.	With the bid
E-103 reserved for future use)	n/a	n/a
E-104 (EMPLOYEE BREAKDOWN)	Yes or a EEO-1 form if large enough to report employment statistics to the federal government.	With the bid

UBE forms continued

E-105 (STATEMENT OF INTENT TO PERFORM AS SUBCONTRACTOR)	Yes, if the bidder proposes to count any subcontracts with UBEs towards the UBE goals	Within 5 days after bid opening unless a different time is stated by the City.
E-106 (REQUEST TO CHANGE UBE PARTICIPATION AFTER BID OPENING)	Yes, if the bidder or contractor proposes certain changes in its subcontracting	Not with the bid. Once the bidder is identified as the apparent lowest responsible bidder, this form is due before the bidder/contractor can make the proposed change.
E-107 (QUESTIONNAIRE ON BIDDER'S GOOD-FAITH EFFORTS)	Yes, if the bidder fails to meet the UBE goals. Do not turn in if the bidder met the goals.	Within 2 days after bid opening unless a different time is stated by the City
Good-faith documentation	Yes, if the bidder failed to meet the UBE goals.	Within 2 days after bid opening unless a different time is stated by the City

4. **If a bidder fails to meet the UBE goals, can it still be awarded the contract?** Bidders that do not meet the goals but demonstrate good-faith efforts are treated equally to those that meet the goals. Awarding a contract is ultimately the decision of the City Council, which considers compliance with the EBO ordinance along with other matters.

5. **In making good-faith efforts, what UBEs should a potential bidder contact?** The City provides a list of UBEs that have been certified by the N. C. Department of Administration HUB Office, as a minority or women business enterprise for particular trades, services, goods, etc. Potential bidders should contact UBEs listed for the work that can be subcontracted.

6. **Our firm already has employees who can do the work and does not want to subcontract that work. How does this fit in?** The purpose of the EBO ordinance is to change business practices that would otherwise occur, by giving opportunities to under-used segments of the economy. If the bidder does not meet the goals, its good-faith efforts will be examined as with any other bidder that did not meet the goals.

7. **If the bidder contacts an underutilized business enterprise owned by a minority or woman that could become a UBE, will that count toward good-faith efforts?** This contact will not count unless the firm that you contact is certified by the N. C. Department of Administration HUB Office, N.C. Department of Transportation or the U.S. Small Business Administration Section (a) Business Development Program as a minority or women business enterprise before the bids are opened. In making good-faith efforts, let us suppose that a potential bidder contacts firms that could qualify to be UBEs. If those firms have their certification from the previously identified authorities at the time of the bid opening, those contacts will count towards good-faith efforts. But there is a risk, because getting certification takes time.

8. **Do all subcontracts with UBEs count?** The City will count as UBE participation only expenditures to an UBE that performs a commercially-useful function in the relevant work. An UBE performs such a function when the minority or women business owners themselves are actually involved in performing, managing, and supervising a distinct element of the work. To determine whether those requirements are met, the City takes into account the amount of work subcontracted, industry practices, the adequacy of the resources of the UBE for the work, the qualifications, such as possession of licenses, permits, and professional designations of the minority and women owners, and other relevant factors. For example, if an UBE lacks substantially all of the resources equipment and personnel to do the work it shall be presumed not to perform a commercially-useful function. The EBO ordinance includes more points to consider on this issue.

9. **May an UBE enter into subcontracts?** This question arises in two situations: (1) the bidder is an UBE and (2) the bidder is subcontracting with an UBE. Consistent with normal industry practices, an UBE may enter into subcontracts. If an UBE subcontracts a significantly greater portion of the work of the contract than would be expected on the basis of normal industry practices, the UBE shall be presumed <u>not</u> to be performing a commercially-useful function. The UBE may present evidence to rebut this presumption to the City.

10. **What does it mean to say that information must be submitted "with the bid"?** Unless bidders are given other written instructions from the City, it means that the information must be in a sealed envelope, delivered to the same place where a bid can be delivered, and before the time set for the bid opening. Unless bidders are given other written instructions from the City, the information can be either in the same envelope as the bid or in a separate envelope. If it is a separate envelope, the outside of the envelope must state the same information that is required on the bid envelope, and that it contains UBE forms.

11. When the chart in question 3 says that a form can be submitted 2 days or 5 days after the bid opening, exactly when is it due? Where is it to be submitted?

. The form must be submitted to the City's EOEA Department, located at 101 City Hall Annex or faxed/emailed to (919) 560-4513, so that it is received within 2 days or 5 days (whichever applies according to the chart) after the bid opening. If the form is faxed/emailed, it must be received before midnight on that 2nd or 5th day. If it is delivered by any other means, it must be received before 5:00 PM. In counting these 2 days or 5 days, exclude the following: the day of the bid opening, Saturday, Sunday, and holidays observed by city government of the City of Durham. For instance, for a form due in 2 days, if the bid opening is on a Thursday, the due date for the form would be on the following Monday (midnight if faxed, otherwise 5:00 PM). If the day after the bid opening or that Monday is a City holiday, the form would be due on Tuesday. For a form due in 5 days, if the bid opening were on Tuesday, the due date for the form would be on the following Tuesday (midnight if faxed, otherwise 5:00 PM). If any weekday between those Tuesdays is a City holiday or if the Tuesday on which the form would be due is a City holiday, the form would be due on Wednesday. It is best to place the documents inside an envelope, and to write on the outside of the envelope the same information that is required on the bid envelope, and that it contains UBE forms. Holidays observed by city government are New Years' Day, Dr. Martin Luther King, Jr., Day; Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the day after Thanksgiving Day, Christmas Day; two days (varying from year to year) during the week of Christmas Day; and other times as may be authorized by City Council.

12. When there are bid alternates how is UBE participation counted? The total amount of the award actually made by the City is the key. For instance, assume the following made-up example:

- Base bid is $200,000
- Alternate A bid is $50,000
- Alternate B bid is $22,000
- Minority-owned UBE goal is 11%.
- The bidder proposes Minority-owned UBE participation as follows: $22,000 on the base bid, $4,000 on Alternate A, and $10,000 on Alternate B.

In this fictional example, the bidder may or may not meet the goal, depending on the actual award by Council. This chart illustrates:

A W A R D B Y C I T Y C O U N C I L

	Only the base bid	**Base bid + Alternate A**	**Base bid + Alternate B**	**Base bid + Alternates A & B**
Bid total	$200,000	$250,000 (200,000 + 50,000)	$220,000 (200,000 + 20,000)	$270,000 (200,000 + 70,000)
Total UBE participati on	$22,000	$26,000 (22,000 + 4,000)	$32,000 (22,000 + 10,000)	$36,000 (22,000 + 14,000)
Minority-owned **UBE percentage**	11%	10.4%	14.5%	13.3%
Meet 11% Minority-owned **UBE goal?**	Yes	No	Yes	Yes

14. **How is the lease of equipment by an UBE counted?** If the UBE leases equipment for the work of the contract, the value of the lease payments is included as part of the UBE's participation. However, it is not proper to include such lease payments if they are to be made to the prime contractor or the prime contractor's "Affiliate." To understand what an "Affiliate" is, see section 26-3 of the EBO ordinance.

15. **How is the purchase of goods from an UBE counted?** If the bidder is buying goods from an UBE, the cost of the goods can be considered UBE participation only if (a) the UBE operates or maintains a factory that produces the goods, or (b) the UBE has an establishment where the goods of the general character described by the specifications or required under the Contract are regularly sold or leased to the public in the usual course of business. If (b) applies, the UBE's *principal* business must be selling or leasing those goods and the UBE must operate under its own name

INSTRUCTIONS FOR INDIVIDUAL UBE BID FORMS FOR CONSTRUCTION

Form E-101 (UBE PARTICIPATION) On this form, "participation" is the dollar amount of subcontracts for significant goods and services to be used to perform the contract. For instance, if the bidder would enter into subcontract with UBEs for a total of $30,000, that would be the UBE participation amount. The sum of UBE participation and non-UDBE participation should equal the amount of the bid. Form E-101 is required for the base bid

Form E-102 (UBE PARTICIPATION ON BID ALTERNATE) This form is essentially the same as Form E-101, except that it is used for the alternate bids instead of the base bid. Use a separate Form E-102 for each alternate bid.

Form E-103 reserved for future use

Form E-104 (EMPLOYEE BREAKDOWN) Complete Part A for the primary location where the goods and services that are the subject of the bid are to be made or provided. If the parent company or other locations of the bidder are providing any substantial portion of the goods or services, then the bidder must also complete Part B, for the consolidated company. If the bidder has an EEO-1 Report that provides the same information as required on the Form E-104, the EEO-1 Report may be used instead. On whether to submit Form E-104, see question 3 above. See questions 3 and 11 above on when and where to turn in this form.

Form E-105 (STATEMENT OF INTENT TO PERFORM AS SUBCONTRACTOR) The bidder must provide a Form E-105 (Statement of Intent) for each UBE firm that the bidder would subcontract with if the City awards the contract to the bidder. See questions 3 and 11 above on when and where to turn in this form.

On Form E-105, what happens if column 2 (dollar amount) disagrees with column 3 (percentage)? If there is a conflict between the dollar amount in Column 2 and the percentage of base bid in Column 3, the percentage stated in Column 3 will control. For instance, if Column 2 if $10,000, Column 3 is 10%, and the base bid is $200,000, there is an error, because ten percent of $200,000 is $20,000, not $10,000. In that example, the form will be read as a commitment for $20,000. If the UBE both (i) is doubtful of its arithmetic *and* (ii) wants Column 2 to control in case of disagreement, it may say that Column 2 will control over Column 3, but to do so, it must write that on Form E-105.

E-106 (REQUEST TO CHANGE UBE PARTICIPATION AFTER BID OPENING) When is this form used? Beginning with the time that the City Manager identifies a bidder as the apparent lowest responsible bidder and continuing as that bidder is awarded the contract and continuing until that bidder/contractor reaches the point of final completion of the work, Form E-106 is to be used when the following occurs: If the bidder/contractor proposes to do any of the following ;

to replace a subcontractor,
to perform subcontracted work with the bidder/contractor's own forces, to
increase the quantity of subcontracted work,
to decrease the quantity of subcontracted work, or
to change the allocation of work among subcontractors,

then the bidder/contractor must make good-faith efforts to attain the goals that it has shown on the E-101 and applicable E-102 forms, and the bidder/contractor must fill out Form E-106. Substitutions of subcontractors in these circumstances, both before and after the awarding of a contract, are subject to City approval. Consult the City's EO/EA Department on the procedures to follow in order to comply with City Code 26-10(c).

E-106 (QUESTIONNAIRE ON BIDDER'S GOOD-FAITH EFFORTS) Bidders that do not attain the UBE goals have the responsibility to make good-faith efforts and to demonstrate to the City that they have made such efforts. In determining a bidder's good-faith efforts to engage UBEs, the City Manager shall consider the information supplied by the bidder to answer the questions in Form E-107, along with other criteria that the City Manager deems proper. Form E-107 is an optional tool that bidders may use to show that they have made good-faith efforts. See questions 3 and 11 above on when and where to turn in this form. Even when this form may be submitted after the bid opening, it cannot include information on efforts made after the bid opening. Even if a bidder does not use Form E-107, the City will nevertheless attempt to answer the questions on the E-107 using good-faith documentation supplied by the bidder. Bidders who do not turn in Form E-107 will still find it helpful to know how the City will determine whether good-faith efforts have been made.

For Section 2 of Form E-107 -- To make the best good-faith efforts as described under Section 2 on E-107, your firm should have sent a written letter, email, phone call or fax to all UBEs on the City's list that perform the kind of work to be subcontracted. Your firm needs to keep a record of all of these attempts to reach UBEs. That letter would say, in effect, as follows: (Of course, your firm would need to write appropriate words where *italicized instructions* are used below.)

> Our firm is interested in bidding on a contract with the City of Durham for [*describe the project*]. We are interested in subcontracting, to your firm, the following work [*describe specific work, for example, painting of interiors of 5 rooms, including prep work; or supplying 20 circuit breakers of type XJE-R or equivalent*]. You may inspect the applicable plans and specifications and descriptions of items to be purchased at our office located at the address shown above, or at the City of Durham's EO/EA Department, 101 City Hall Plaza Annex , Durham, N.C., 27701 , 919-560- 4180[, *or at the AGC plan room in* (*specify the locations)*]. You may obtain a copy [*explain how and from whom (the City, architect, engineer, etc.) the potential subs can obtain a copy*].

If applicable, tell the UBEs at which offices of the AGC the plans and specifications may be seen, possibly from the following AGC list.

1100 Euclid Avenue Charlotte, NC 28203-1868 Phone: (704)372-1450	Caswell Bldg., Glenwood Place 3700 National Drive, Ste. 201 Raleigh, NC 27612 Phone: (919)781-3270
2713 Breezewood Avenue Fayetteville, NC 28303 Phone: (910)484-0184	2527 S. 17th St. Wilmington, NC 28401 (McGee CADD Reprographics Bldg.) Phone: (910)791-5533
Other AGC locations if they have the plans and specifications	

GOOD-FAITH DOCUMENTATION. This is not a City form but is documentation to be supplied by the bidder. See the instructions on Form E-107 above. Unless the bidder meets the UBE goals, the bidder must demonstrate that it made good-faith efforts. To do so, it can use a combination of providing answers to Form E-107 and documentation, such as copies of the notices to UBEs that are described in question 1(c) on Form E-107. See questions 3 and 11 above on when and where to turn in this form. Even when this documentation may be submitted after the bid opening, it cannot include information on efforts made after the bid opening.

Form E-101 UBE PARTICIPATION ON BASE BID

Name of Bidder: _____

Total dollar amount of UBE participation in base bid work: _____

or each row, check one column: E or F

Column A	Column B	Column C	Column D	Column E	Column F
Name of proposed subcontractor for base bid work	Goods and services to be provided for base bid work	Subcontract amount, in dollars, for base bid work	Percentage of total base bid (Column C divided by total base bid)	Minority-owned UBE	Women-owned UBE
		$	%		
		$	%		
		$	%		
		$	%		

Attach extra sheets as needed.

Do the above participation amounts meet the goals on this contract, assuming only the base bid is counted?

☐**Yes** ☐ **No.** If the answer is No: (1) the bidder must have made good-faith efforts; (2) the bidder must provide, within 2 business days after bid opening, documentation of good-faith efforts; and (3) the bidder must sign below.

As an authorized representative of the Bidder, I swear or affirm under penalty of fraud that the good-faith efforts documentation submitted with this bid, pertaining to the base bid and all alternates, if any, is correct and not intended to defraud or mislead. After the contract between the City and the Bidder is signed, except to the extent that the City gives prior written approval for changes, the Contractor agrees that it shall engage the subcontractors listed on this E-101 and on all applicable E-102 forms, to perform the work for the dollar amounts or percentages described on this E-101 and applicable E-102s.

_____
Signature of Individual authorized to sign for Bidder

Form E-102 UBE PARTICIPATION ON BID ALTERNATE

This form pertains to the following bid alternate: _____

(Speciify the alternate, in the way that it is designated in the bid docments)

Name of Bidder: _____

Total dollar amount of UBE participation in work on this alternate: _____

For each row, check one column: E or F

Column A	Column B	Column C	Column D	Column E	Column F
Name of proposed subcontractor for this alternate	Goods and services to be provided for this alternate	Subcontract amount, in dollars, for this alternate	Percentage of total bid for this alternate (Column C divided by total bid for this alternate)	Minority-owned UBE	Women-owned SDBE
		$	%		
		$	%		
		$	%		
		$	%		

Attach extra sheets as needed.

E-104 EMPLOYEE BREAKDOWN

Part A – Employee statistics for the primary location

				M——a——l——e——s					F——e——m——a——l——e——s				
Employment category	Total Employees	Total males	Total females	White	Black	Hispanic	Asian or Pacific Islander	Indian or Alaskan Native	White	Black	Hispanic	Asian or Pacific Islander	Indian or Alaskan Native
Project Manager													
Professional													
Technical													
Clerical													
Labor													
Totals													

Part B – Employee statistics for the consolidated company. (*See instructions for this form on whether this part is required*.)

				M——a——l——e——s					F——e——m——a——l——e——s				
Employment category	Total Employees	Total males	Total females	White	Black	Hispanic	Asian or Pacific Islander	Indian or Alaskan Native	White	Black	Hispanic	Asian or Pacific Islander	Indian or Alaskan Native
Project Manager													
Professional													
Technical													
Clerical													
Labor													
Totals													

Form E-105 STATEMENT OF INTENT TO PERFORM AS SUBCONTRACTOR

Name of Bidder: _____

Name of Project: _____

The undersigned firm meets the City of Durham's criteria as a UBE.

The undersigned UBE represents that it will enter into a formal contract with the Bidder to perform the following work in connection with the Project, in the dollar amount or percentage listed below, if the Bidder signs a contract with the City of Durham for the Project.

Describe the work in sufficient detail so that it can be determined whether the UBE's work is a substantial and necessary part of the Project.

Column 1 - description of work to be done by undersigned UBE	**Column 2** -dollar amount of the proposed subcontract between the bidder and the undersigned UBE	**Column 3** - percentage of Bidder's base bid represented by the proposed subcontract between the Bidder and the undersigned UBE

The undersigned -UBE will be ready to begin work on the subcontract on the following date:

Name of UBE: Telephone No. Fax No.

Address: Zip Code:

Signature of authorized representative of UBE

Title of the person who signed above: _____

What persons with the UBE should the City contact with questions about this form or the proposed subcontract? _____

Name of individual: Telephone No. _____

Title of Individual: _____

Email address: _____

By submitting this form to the City of Durham, the Bidder represents that if the Bidder signs the contract with the City of Durham for the Project, the Bidder will enter into the subcontract described above with this UBE.

E-106 REQUEST TO CHANGE UBE PARTICIPATION AFTER BID OPENING

Project: _____

Name of bidder or contractor: _____

Name and title of representative of bidder or contractor: _____

Address : _____ Zip Code: _____

Telephone No.: _____ Fax Number: _____

Email address:

Total amount of original contract, before any change orders or amendments:

Total amount of the contract, including all approved change orders and amendments to date, but not counting the changes proposed in this form: _____

Dollar amount of changes proposed in this form: _____

The proposed change *(check one)* ☐ **increases** ☐ **decreases** the dollar amount of the bidder's/contractor's contract with the City.

Does the proposed change decrease the UBE participation? *(check one)* ☐ **yes** ☐ **no**

If the answer is **yes**, complete the following:

This form is used only if the conditions described in the instructions are present.

BOX A

For the subcontract proposed to be changed (increased, reduced, or eliminated): Name of subcontractor: _____

Goods and services to be provided before the proposed change: _____

_____

Is it proposed to eliminate this subcontract? ☐ yes ☐ no

If the subcontract is to be increased or reduced, describe the nature of the change (*such as adding $5,000 in concrete work and deleting $7,000 in grading):* _____

_____

Dollar amount of this subcontract before this proposed change: _____

Dollar amount of this subcontract after this proposed change: _____

This subcontractor is (check one):

☐ 1. Minority-owned UBE

☐ 2. Women-Owned UBE

☐ 3. Not a UBE

BOX B. Proposed subcontracts other than the subcontract described in Box A above (continued)

Name of sub-contractor for the new work: _____

Goods and Services to be provided by this proposed subcontractor: _____

Dollar amount proposed of this proposed subcontract: This sub-contractor is:

☐ 1. Minority-owned UBE

☐ 2. Women-Owned UBE

☐ 3. Not a UBE

Add additional sheets as necessary.

This form is used only if the conditions descried in the instructions are present.

E-107 QUESTIONNAIRE ON BIDDER'S GOOD-FAITHEFFORTS

Name of Bidder: _____

If you find it helpful, feel free to attach pages to explain your answers. **How many pages is your Firm attaching to this questionnaire?_____**(Don't count the 2 pages of this questionnaire.)

If a yes or no answer is not appropriate, please explain the facts. All of the answers to these questions relate only to the time before your firm submitted its bid or proposal to the City. In other words, actions that your firm took after it submitted the bid or proposal to the City cannot be mentioned or used in any answers.

1. **SOLICITING UBEs.**

(a) Did your firm solicit, through all reasonable and available means, the interest of all UBEs (that is, in the list provided by the City) in the scopes of work of the contract? ☐**yes** ☐**no**

(b) In such soliciting, did your firm advertise? ☐**yes** ☐**no** Are you attaching copies to this questionnaire, indicating the dates and names of newspaper or other publication for each ad if that information is not already on the ads? ☐**yes** ☐**no**

(c) In such soliciting, did your firm send written (including electronic) notices or letters? Are you attaching one or more sample notices or letters? ☐**yes** ☐**no**

(d) Did your firm attend the pre-bid conference? ☐**yes** ☐**no**

(e) Did your firm provide interested UBEs with timely, adequate information about the plans, specifications, and requirements of the contract? ☐**yes** ☐**no**

(f) Did your firm follow up with UBEs that showed interest? ☐**yes** ☐**no**

(g) With reference to the UBEs that your firm notified of the type of work to be subcontracted -- Did your firm tell them?

(i) the specific work your firm was considering for subcontracting? ☐**yes** ☐**no**
(ii) that their interest in the contract is being solicited? ☐**yes** ☐**no**
(iii) how to obtain and inspect the applicable plans and specifications and descriptions of items to be purchased? ☐**yes** ☐**no**

2. BREAKING DOWN THE WORK.

(a) Did your firm select portions of the work to be performed by UBEs in order to increase the likelihood that the goals would be reached? ☐**yes** ☐**no**

(b) If **yes**, please describe the portions selected. **ANSWER:**

3. NEGOTIATION. In your answers to 3, you may omit information regarding UBEs for which you are providing Form E-105.

(a) What are the names, addresses, and telephone numbers of UBEs that you contacted? **ANSWER:**

(b) Describe the information that you provided to the UBEs regarding the plans and specifications for the work selected for potential subcontracting. **ANSWER:**

(c) Why could your firm not reach agreements with the UBEs that your firm made contact with? Be specific. **ANSWER:**

4. ASSISTANCE TO UBEs ON BONDING, CREDIT, AND INSURANCE.

(a) Did your firm or the City require any subcontractors to have bonds, lines of credit, or insurance? ☐**yes** ☐**no** (Note: In most projects, the City has no such requirement for *subcontractors*.)

(b) If the answer to (a) is **yes**, did your firm make efforts to assist UBEs to obtain bonds, lines of credit, or insurance? ☐**yes** ☐**no** If **yes**, describe your firm's efforts. **ANSWER:**

(c) Did your firm provide alternatives to bonding or insurance for potential subcontractors? ☐**yes**☐**no** If **yes**, describe. **ANSWER:**

5. GOODS AND SERVICES. What efforts did your firm make to help interested UBEs to obtain goods or services relevant to the proposed subcontracting work? **ANSWER:**

6. USING OTHER SERVICES.

(a) Did your firm use the services of the City to help solicit UBEs for the work? ☐**yes**☐**no** Please explain.A**NSWER:**

(b) Did your firm use the services of available minority/women community organizations, minority and women contractors' groups, government-sponsored minority/women business assistance agencies, and other appropriate organizations to help solicit UBEs for the work? ☐**yes** ☐**no** Please explain. **ANSWER:**

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APPENDIX B

DURHAM

1869

CITY OF MEDICINE

CERTIFIED UNDERUTILIZED BUSINESS ENTERPRISE (UBE) LISTING

CONTRACT: SP-2017-01

UBE Listing

Company Name	Contact Name	Address	City, State	Zip	County	Phone	Fax	Email	Hub Certification	Commodity	Construction Codes	Construction License/Limitation
A & M Ventures, Inc.	Haq, Waheed	PO Box 30801	Raleigh, NC	27622-0801	WAKE	919-510-0223	919-510-0558	waheed557@gmail.com	AA		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor 34951 Unlimited
A VOGT CONSTRUCTION	Vogt, Anthony	3819 Raintree Drive	Greensboro, NC	27407	GUILFORD	336-420-8623		anthony.avconstruction@gmail.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation;13280 Hazardous Material Remediation	General Trades/Sub Contractor 73557
Absolute Construction Group LLC	Salas, Anselmo	PO Box 2750	Thomasville, NC	27361	DAVIDSON	336-442-8030	336-217-8719	asalas@abatementpros.net	HA			
ABTAK OF DURHAM INC	BROWN, ELI	11 LOGGING TRAIL	DURHAM,, NC	27707	DURHAM	(919)259-0091		abtakofdurham@gmail.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor 71930 None;General Trades/Sub Contractor 71930
ACC	Reid, Dawn	121 E. First Street	Clayton, NC	27520	JOHNSTON	919-553-9007		dawnreid@archcon.org	W	Environmental and Ecological Services		
Active Construction Services LLC	stevons, shante	631 United Drive Suite# 100-B	DURHAM, NC	27713	DURHAM	(919)206-4440	(919)206-4474	shante@activeconstructionllc.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Trades/Sub Contractor
AFRI LOGISTICS LLC	NWAKUCHE, AMAECHI	P O BOX 97005	RALEIGH, NC	27624	WAKE	919-637-0354	919-926-0159	afrilogisticsllc@yahoo.com	B	Environmental Protective Equipment (Inside And Outside);Fencing		
Aggregate Haulers Inc.	Crews, Marilyn	415 S. Chimney Road	Greensboro, NC	27409	GUILFORD	336-855-3337	336-855-2626	Aggregatehaulersinc@gmail.com	W		01900 Facility Decommissioning (Hauling/Debris Removal)	
Alkat Restoration	Lopez, Allen	1833 Hobson Road	Dunn, NC	28334	HARNETT	919-207-9070		alkatrestoration@gmail.com	HA		02950 Site Restoration and Rehabilitation	General Trades/Sub Contractor
ALLIED FENCE CO., INC.	Crain, Kelly	5840 Lease Lane	RALEIGH, NC	27617	WAKE	919-783-8530	919-783-5416	alliedfence@mindspring.com	W	Fencing		
Amidon, Inc.	Amidon, Angela	3319 Heritage Trade Drive	Wake Forest, NC	27587	WAKE	919-435-5355	919-800-3383	AAmidon@amidoninc.com	AA		01900 Facility Decommissioning (Hauling/Debris Removal);02200 Site Preparation	General Contractor 60664 Unlimited;General Trades/Sub Contractor 60664
Anago of the Triangle	Brinkley, Cindy	8504 Six Forks Road	Raleigh, NC	27615	WAKE	919-469-6000	919-469-6604	cbrinkley@anagotriangle.com	W		02950 Site Restoration and Rehabilitation	
BARNES SERVICE COMPANY	Farrington, James A.	4405 Nightfall Court	Durham, NC	27713	DURHAM	919-308-7988	919-399-0847	kemetuniversal@hotmail.com	B		13280 Hazardous Material Remediation	
Becton Industries	Becton, Arthur	2007 Ford Gates Dr	Garner, NC	27529	WAKE	(919)772-9596		aeb10@att.net	B		02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	
Blue Wave, Inc.	Darrohn, Jodi	PO Box 61121	Raleigh, NC	27661	WAKE	919-862-0202		jdarrohn@bluewaveclean.com	W	Environmental and Ecological Services		

UBE Listing

Company Name	Contact Name	Address	City, State	Zip	County	Phone	Fax	Email	Hub Certification	Commodity	Construction Codes	Construction License/Limitation
Branagans Metal Works LLC	Branagan, Edward	708 John st	Clayton, NC	27520	JOHNSTON	919-210-4616	919-879-4200	Edwardbranagan@yahoo.com	B	Fencing		
BridgePoint Construction Services	McPhatter, Shelley	112 S. Duke St.	Durham, NC	27701	DURHAM	(919)530-8000	(919)724-4118	smcphatter@bridgepointnc.com	W		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation;13280 Hazardous Material Remediation	
Bridgeport Restoration Service	Horton, Carol	742 Park Lawn Ct.	Kernersville, NC	27284	FORSYTH	336-996-1212	336-996-4114	info@bridgeportrestoration.com	W		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;13280 Hazardous Material Remediation	General Contractor 47505 Limited
browecon	Brown, Jillane	451 OAK TREE DRIVE	SELMA, NC	27576	JOHNSTON	919-415-1616	919-373-5349	jill.brown@browecon.com	W		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor Unlimited
Bull City Facility Services, I	Shackleford, Tyrone	519 Grist Mill Lane	Durham, NC	27712	DURHAM	919-479-5371		tshackle@hotmail.com	B		01900 Facility Decommissioning (Hauling/Debris Removal)	
C.R.Beaver, Inc.	Beaver, Joy	5655 Regents Park Road	Kernersville, NC	27284	FORSYTH	(336)996-8829	(336)996-0145	joy@crbeaver.com	W		01900 Facility Decommissioning (Hauling/Debris Removal);13280 Hazardous Material Remediation	
Cadet Construction Company	Dillahunt, Jr, Jimmy	6300 Chapel Hill Road	Raleigh, NC	27607	WAKE	919-758-8161	919-803-6572	JDillahuntJr@cadetcc.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor 73807 Unlimited
Calamar, Inc.	Lane, Pamela	PO Box 52058	Durham, NC	27717	DURHAM	(919)969-1574	(919)969-1563	pLanep1@aol.com	W		02100 Site Remediation;02200 Site Preparation	General Contractor 58145 Intermediate
CALLIS CONTRACTORS, INC.	Callis, Jesse	1306 Broad Street	Durham, NC	27705-3533	DURHAM	919-416-6191	919-416-1131	projmang@calliscontractorsinc.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor 59167 None;General Trades/Sub Contractor
Canady's Landscape & Erosion Control	Canady, Stefanie	Penny Canady	Lexington, NC	27295	DAVIDSON	336-236-1182	336-249-8165	canadyserosion@gmail.com	W		02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Trades/Sub Contractor
Carolina Construction Works Inc	Evans, Ronald	1305 E. Millbrook Rd	Raleigh, NC	27609	WAKE	919-427-1403		ccworksinc@gmail.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	
Carolina Disposal Service Inc	Hogan, Robyn	PO Box 1254	Welcome, NC	27374	DAVIDSON	336-731-7777	336-731-4098	rhogan@carolinadisposal.com	W		01900 Facility Decommissioning (Hauling/Debris Removal)	
CAROLINA ENVIRONMENTAL CONTRACTING, INC.	Cheatham, Joanne	P.O. BOX 1905	MOUNT AIRY, NC	27030	SURRY	336-320-3849	336-320-3854	ceci@carolinaenvironmentalcontracting.com	W	Environmental and Ecological Services		
Carolina Transport of Greensboro, Inc.	Myers, Caroleigh C.	8182 Gray Leigh Court	Oak Ridge, NC	27310	GUILFORD	336-763-8608	336-938-0201	cmyers@ctgsoinc.com	AI		02100 Site Remediation	
Chester Engineers (North Carolina), Inc.	Craig, Darnetta	717 Green Valley Road	Greensboro, NC	27408	GUILFORD	336-544-4820	412-809-6001	dcraig@chesterengineers.com	B	Environmental and Ecological Services		

UBE Listing

Company Name	Contact Name	Address	City, State	Zip	County	Phone	Fax	Email	Hub Certification	Commodity	Construction Codes	Construction License/Limitation
Clement Construction Corporation	Clement Sr., Phillip	3735 Beeson Dairy Rd.	Winston Salem, NC	27105	FORSYTH	(336)661-2488	(336)245-8442	clementconst@yahoo.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation	General Trades/Sub Contractor 67844
Construction Concepts and Design Inc.	McClain, Clifford	1922 S. Martin Luther King Jr. Dr	Winston Salem, NC	27107	FORSYTH	336-488-7112	980-406-3217	constructionconceptsanddesign@gmail.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation;13280 Hazardous Material Remediation	Architectural Service ;Engineering Service ;General Contractor 38324 Limited
Construction Trade Management	Kyu, Barry	6305 Swallow Cove Lane	Raleigh, NC	27614	WAKE	919-244-3800	919-341-4418	ctm@nc.rr.com	AA	Environmental and Ecological Services		
Cortez LLC	Heck, Marinette	3426 Balfour East	Durham, NC	27713	DURHAM	919-248-4444		cortezhandsown@yahoo.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor None;General Trades/Sub Contractor
davidson construction	Small, tony	208 gibson lane	Clayton, NC	27520	JOHNSTON	(919)550-3485	(919)550-3485	davidsonconstructllc@gmail.com	B		02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor 63308 Limited
DEMOLITION & ASBESTOS REMOVAL	Mitchell, Benita	4716 Hilltop Road	Greensboro, NC	27407	GUILFORD	336-510-4021	336-510-4021	bgmitchell@daricorp.com	W	Environmental and Ecological Services		
Erosion Supply Company	Phillis, Vicki	PO Box 91208	Raleigh, NC	27617	WAKE	919-787-0334	919-787-0335	vphillis@erosionsupply.com	W		02200 Site Preparation;02950 Site Restoration and Rehabilitation	
FEMCO Construction LLC	Burkart, Lindsay	7302 Cessna Drive	Greensboro, NC	27409	GUILFORD	(336)669-1352		lindsayburkart@gmail.com	W		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation;13280 Hazardous Material Remediation	General Contractor 70215 Unlimited
Fences by David	faison, david	1015 Buckhorn rd	Garner, NC	27529	WAKE	919-710-4871		msheilabryant@yahoo.com	B		02950 Site Restoration and Rehabilitation	
Fortress Fencing LLC	Truesdale, Kelly Collins	402 Jones Ferry Road	Carrboro, NC	27510	ORANGE	919-960-2911	919-960-2926	kctrues@gmail.com	W	Fencing		
FROEHLING & ROBERTSON INC	Schaefer, Daniel	310 Hubert Street	Raleigh, NC	27603	WAKE	919-828-3441	919-828-5751	dschaefer@fandr.com	AI	Environmental and Ecological Services		
Giant Development, Inc	Crabtree, Johanna	509 Pylon Dr	Raleigh, NC	27606	WAKE	919-521-0594	919-754-1227	johannacrabtree@gmail.com	W		02100 Site Remediation;02200 Site Preparation	
Gil Berry and Associates Incorporated	Wright, Charles	P.O Box 25993	Raleigh, NC	27611	WAKE	919-264-9948		cwright805@hotmail.com	B		02100 Site Remediation;02950 Site Restoration and Rehabilitation;13280 Hazardous Material Remediation	
Goliath Construction, LLC	Fonville, Eric	14460 Falls of Neuse Rd	Raleigh, NC	27614	WAKE	919-896-9909		eric@goliathconstructionllc.com	B		13280 Hazardous Material Remediation	General Contractor 70521 Limited;General Trades/Sub Contractor 70521
Goose Busters III The Border	Stevens, Ann	308 Nantucket Drive	Cary, NC	27513	WAKE	919-538-2213		ann@goosebusters3.com	W	Environmental and Ecological Services		

UBE Listing

Company Name	Contact Name	Address	City, State	Zip	County	Phone	Fax	Email	Hub Certification	Commodity	Construction Codes	Construction License/Limitation
Goulding Construction Inc.	goulding, rhonda	PO BOX 136	Clayton, NC	27528	JOHNSTON	(919)763-9151		rhonda@gouldingconstruction.com	W		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation;13280 Hazardous Material Remediation	General Contractor 56831 Limited
GRC Company, Inc.	Baker, Charles	2000 Valley Ridge Court	Raleigh, NC	27603	WAKE	(919)772-3118	(919)772-1813	grcincmail@yahoo.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation	General Contractor 69486 Limited
Hollins Construction Services, Inc	Hollins, Tony	3650 Rogers Road Suite 320	Wake Forest, NC	27587	WAKE	(919)761-3937	(919)453-0850	tony.hcsinc@gmail.com	B		02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	Engineering Service ;General Contractor 69738 Limited;General Trades/Sub Contractor 69738
Horus Construction of NC, Inc.	Robins, Sonya	11550 Common Oaks Drive	Raleigh, NC	27401	WAKE	(877)898-6879	(866)389-2809	sonya.robins@horus-cs.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02200 Site Preparation	General Contractor 2705 132156A None
ICORE Service Company, LLC	Lamberth, Cornelious	4216 A Queen Beth Drive	Greensboro, NC	27405	GUILFORD	(336)362-1646	336-617-8263	ihlamb@hotmail.com	B		01900 Facility Decommissioning (Hauling/Debris Removal)	General Contractor 66892 Limited;General Trades/Sub Contractor
J. S. Mention Construction, LLC	Mention, Jamal	1451 South Elm-Eugene Street	Greensboro, NC	27406	GUILFORD	336-373-1911	336-373-1912	jamalmention@jsmention.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor 70689 None
J.A.FARRINGTON INDUSTRIES INC	Boyd, Edward	2403 Fayetteville Street	Durham, NC	277707	DURHAM	919-724-1318	919-973-4811	EdBoydJr@JAFarringtonIndustries.com	B		01900 Facility Decommissioning (Hauling/Debris Removal)	General Trades/Sub Contractor
Jordan's Mill Construction Inc	Shea, Brittany	3977 Jordans Mill Ct	High Point, NC	27265	GUILFORD	336-687-2879	866-401-9446	bdshea11@gmail.com	W		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor None
K. Smith&Co.	Smith, Kevin	Pulliam Tingen Mine Rd	Roxboro, NC	27574	PERSON	618-203-7158		kksmith34@gmail.com	B		02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	
KANG'S BUILDING MAINTENANCE	kang, myonghui	7717 Harps Mill Road	Raleigh, NC	27615	WAKE	919-866-1176		charliekang@msn.com	AA		02200 Site Preparation	
KCAD of North Carolina Inc	Cox, Kevin	101 Woolard Way	Apex, NC	27502	WAKE	919-225-4472		kcox@kcadinc.com	W	Fencing		
KEA Contracting, Inc.	Askew, Kathryn	6612 Six Forks Suite 203	Raleigh, NC	27615	WAKE	919-847-3701	919-847-3721	kaskew@keacontracting.com	W		02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor 73213 Unlimited;General Trades/Sub Contractor
LPS	Cooke, Timothy	1716 Crystal Creek Drive	Durham, NC	27712	DURHAM	919-957-9695	866-695-7404	leoninesystems@nc.rr.com	B		02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor Limited;General Trades/Sub Contractor
Mangum Benton Ventures LLC	Mangum, Debra	3849 Shoccoree Drive	Durham, NC	27705	DURHAM	919-237-2794	919-287-2750	debbie@mangumbenton.com	W		01900 Facility Decommissioning (Hauling/Debris Removal)	
MCNOC, Inc.	McCoy, Mathew	2664 Timber Dr STE 345	Garner, NC	27529	WAKE	919-772-6159		info@mcnoc.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02200 Site Preparation;02950 Site Restoration and Rehabilitation	Electrical Contractor ;General Contractor None;General Trades/Sub Contractor ;Mechanical/Heating Contractor ;Plumbing/Fire Sprinkler Systems Contractor

UBE Listing

Company Name	Contact Name	Address	City, State	Zip	County	Phone	Fax	Email	Hub Certification	Commodity	Construction Codes	Construction License/Limitation
Metcon, Inc	Burriss, Mike	3100 Smoketree Court	Raleigh, NC	27604	WAKE	919-322-2220	919-322-2222	mburriss@metconus.com	AI		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation;13280 Hazardous Material Remediation	
Muter Construction LLC	Muter, Beth	100 N. Arendell Ave.	Zebulon, NC	27597	WAKE	919-404-8330	919-400-4253	bmuter@muterconstruction.com	W		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor 73095 None;General Trades/Sub Contractor 73095
MWM Supply, LLC	McKaskel, Jennifer	6912 Moresham Way	Wake Forest, NC	27587	WAKE	919-622-5837	866-254-9399	Ron@MWMSupply.biz	W	Fencing		
Nall Construction Co	Nall, Elizabeth	PO Box 103	Gibsonville, NC	27249	GUILFORD	336-707-9735		nallconstruction@gmail.com	W		02950 Site Restoration and Rehabilitation	General Contractor 73967 Limited
New Age Development Group Inc.	Murray, Steven	4529 Hargrove Rd.	Raleigh, NC	27604	WAKE	919-797-7751		stevenmurrayhomes@gmail.com	B		01900 Facility Decommissioning (Hauling/Debris Removal)	
NORTH STATE ENVIRONMENTAL, INC.	WESTMORELAND, STEPHANIE	2889 LOWERY ST.	WINSTON SALEM, NC	27101	FORSYTH	(336)725-2010	(336)725-2405	stephanie@nsenv.com	W		02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor 49529 Unlimited;General Trades/Sub Contractor 49529
OcoroEnterprises	Ocoro, Gustavo	800 Taylor St	Durham, NC	27701	DURHAM	(919)923-9324		gustavoocoro@yahoo.com	HA			
Perimeter Controls	Brodnick, Heather	PO BOX 90276	Raleigh, NC	27675	WAKE	919-729-4214	--	perimetercontrols@gmail.com	W		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Trades/Sub Contractor
Piedmont Fence Inc.	West, Carrie	163 South Village Drive	Winston-Salem, NC	27127	FORSYTH	336-764-1163	336-764-2830	cwest@piedmontfence.com	W	Fencing		
Praylor Construction Company	Praylor, Michael	4005 Pond Valley Court	Mc Leansville, NC	27301	GUILFORD	336-471-8987	866-334-3051	mpraylor@aol.com	B	Fencing		
Prowork	Poole, Thomas	2412 N. Dunlieth Avenue	Winston Salem, NC	27105	FORSYTH	(336)986-5053		proworkpaintingcompany@gmail.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Trades/Sub Contractor
Pull Construction Company, Inc	Frazelle, Kenneth	PO Box 16725	Greensboro, NC	27416	GUILFORD	336-274-6813	336-275-2791	frazelle73@yahoo.com	B		02950 Site Restoration and Rehabilitation;13280 Hazardous Material Remediation	General Contractor 34046 Intermediate
Quality & Precision Fencing/welding	Quarterman, Mitchell	4010 old chapel hill rd.apt1	Durham, NC	27707	DURHAM	(919)428-4391	(919)402-0763	mitch1981@clearwire.net	B	Fencing		
R&W Construction of NC Inc.	Robinson, Charlotte	132 S Main Street	Warrenton, NC	27589	WARREN	910-860-8898	910-860-9820	nredd@rwconstructioninc.com	B	Fencing		
RBS Grading & Excavating, INC.	Jones, Richard	4206 Holder Rd.	Durham, NC	27703	DURHAM	919-596-5669	919-596-1191	rjones@rbsgrading.com	AI		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor 38638 Unlimited;General Trades/Sub Contractor ;Plumbing/Fire Sprinkler Systems Contractor 17166

UBE Listing

Company Name	Contact Name	Address	City, State	Zip	County	Phone	Fax	Email	Hub Certification	Commodity	Construction Codes	Construction License/Limitation
Reach Construction Group, LLC	Martin, Brandon	7501 Falls of the Neuse Rd	Raleigh, NC	27615	WAKE	919-842-4380		bm@reachconstruct.com	B		02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor 73359 Unlimited;General Trades/Sub Contractor
RebFor LLC	Rebuli, Christian	300 NC 54	Carrboro, NC	27510	ORANGE	252-675-1203		christian.rebuli@rebfor.com	HA		02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Trades/Sub Contractor
Revington Reaves Landscape Architecture	Reaves, Mark	101 West Brentwood Rd	Greensboro, NC	27403	GUILFORD	978-793-2297		mark@revingtonreaves.com	W	Environmental and Ecological Services		
S & H CONSTRUCTION LLC	Suggs, Jerry	P O Box 9158	Greensboro,N.C., NC	27429	GUILFORD	336-420-0131	336-674-3133	suggscontracting@aol.com	B		01900 Facility Decommissioning (Hauling/Debris Removal)	
S and J of Raleigh	Spears, Shawn	3235 Mclean Chapel Church RD	bunnlevel, NC	28323	HARNETT	(919)669-9462	(910)893-3065	sjofraleigh@netscape.net	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor 55247 Limited;General Trades/Sub Contractor 55247
SAL CONSTRUCTION CO.	Shah, Dinesh	1517 Old Apex Rd.	Cary, NC	27513	WAKE	919-460-1817	919-460-6766	salconstructionco@gmail.com	AA		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	Engineering Service ;General Contractor 24633 Unlimited
Splendid Services	dodson, kenneth	P.O. Box 1134	Greensboro, NC	27402	GUILFORD	(336)991-2509		splendidsvc67@hotmail.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02950 Site Restoration and Rehabilitation	General Trades/Sub Contractor
SRS Inc.	Edwards, Monte	PO Box 38771	Greensboro, NC	27438	GUILFORD	336-580-9000	615-206-0201	medwards@srsincorp.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation;13280 Hazardous Material Remediation	General Contractor 64370 None
Stoney Creek Construction Inc.	DeBord, Dorian	6510 Brookstone Drive	Whitsett, NC	27377	GUILFORD	336-639-6082	336-449-4182	ddebord001@triad.rr.com	W	Fencing		
Strader Fencing	Strader, Dani	5434 Amick Road	Julian, NC	27283	GUILFORD	(336)697-7005	(336)697-5715	kennethstrader@yahoo.com	W	Fencing		
Sunrise Repair and Construction, Inc.	Estrera, Rolando	P.O. Box 1616	Jamestown, NC	27282	GUILFORD	336-307-5592		restrera@sunrise-repair.com	AA		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation;13280 Hazardous Material Remediation	General Contractor 74637 Limited
Sunshine Tree & Fence, Inc.	Griffin, Charlotte	145 Kenilworth Ave	High Point, NC	27620	GUILFORD	336-817-5248	336-882-3361	sunshinetree1@aol.com	W		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	General Contractor None;General Trades/Sub Contractor
T & M Construction Group LLC	Mapp, Terome	1100 Lake Front Dr. apt. J	Raleigh, NC	27613	WAKE	336-404-8640		tmapp13@yahoo.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation;13280 Hazardous Material Remediation	General Contractor 51912 Limited
the trac company	Rawley, Madeline	2320 Spruce Shadows Lane	raleigh, NC	27614	WAKE	336-309-4249		trentrawley@aol.com	B		01900 Facility Decommissioning (Hauling/Debris Removal)	Architectural Service ;Engineering Service ;General Trades/Sub Contractor
Vistabution	Esteva, Angela	8315 Six Forks Road	Raleigh, NC	27615	WAKE	919-844-9375	919-861-0849	angela@vistabution.com	B		02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	Engineering Service

UBE Listing

Company Name	Contact Name	Address	City, State	Zip	County	Phone	Fax	Email	Hub Certification	Commodity	Construction Codes	Construction License/Limitation
W W Trucking & Demolition Serv	Williams, Broderick	3221 Carver School RD.	Winston-Salem, NC	27105	FORSYTH	336-462-7696	336-703-0755	BWbuckone@aol.com	B		01900 Facility Decommissioning (Hauling/Debris Removal);02100 Site Remediation;02200 Site Preparation	General Trades/Sub Contractor
W. E. GARRISON CO	GARRISON, SUE	5820 FAYETTEVILLE ROAD	RALEIGH, NC	27603	WAKE	(919)772-4144	(919)772-4860	sueellen@wegarrison.com	W		02100 Site Remediation;02200 Site Preparation;02950 Site Restoration and Rehabilitation	
W.C. Construction Company, LLC	Cockerham Jr., William	P.O. Box 25051	Winston Salem, NC	27114	FORSYTH	336-231-2622	336-721-3421	info@wcconstructionco.com	B		02100 Site Remediation;02200 Site Preparation;13280 Hazardous Material Remediation	General Contractor 63557 Unlimited

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APPENDIX C

DURHAM

1869

CITY OF MEDICINE

UNDERUTILIZED BUSINESS ENTERPRISE (UBE) REPORTING FORMS

CONTRACT: SP-2017-01

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CITY OF DURHAM
SUBCONTRACTOR MONTHLY RECORD OF PAYMENT REPORT

THIS DOCUMENT MUST REFLECT ALL SUBCONTRACTORS & MUST BE SUBMITTED WITH MONTHLY INVOICE FOR PAYMENT	
PROJECT NAME: CONTRACT#:	**DATE FORM SUBMITTED:** **WORK PERIOD ENDING:**
COMPANY NAME:	**ADDRESS:**
FEDERAL TAX ID#:	**CONTACT PERSON:**

Subcontractor/Vendor ID (Street Address/Zip/Telephone)	Indicate Ownership Status	Description Of Work	Total Sub-Contract Amount	Amount Paid For The Period	Total Amount Paid To-Date	Percentage Of Work Completed	Scheduled Start Date	Scheduled End Date

Total M/SDBE Subcontracts Awarded/%	**$**	**%**	**Total W/SDBE Subcontracts Awarded/%**	**$**	**%**
Total M/SDBE Dollars Paid-To-Date/%	**$**	**%**	**Total W/SDBE Dollars Paid-To-Date/%**	**$**	**%**
Total Non-Minority Subcontracts Awarded/%	**$**	**%**	**Total Non-W/SDBE Subcontracts Awarded/%**	**$**	**%**
Total Non-Minority Dollars Paid-To-Date/%	**$**	**%**	**Total Non W/SDBE Dollars Paid-To-Date/%**	**$**	**%**

The undersigned certifies that the information recorded above is correct, and that each of the representations set forth above is true. The undersigned further acknowledges that any misrepresentation hereon may result in termination of contract and/or prosecution under applicable Federal and State laws concerning false statements and false claims.

Company Representative_____ **Title:** _____ **Date:** _____

SMRPR 10/01/03

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CITY OF DURHAM

Equal Business Opportunity Program

Final Subcontracting Report

THIS FORM MUST BE COMPLETED AND SUBMITTED TO THE PROJECT/CONTRACT ADMINISTRATOR FOR SUBMITTAL TO THE EO/EA DEPARTMENT WITHIN FIFTEEN (15) DAYS AFTER FINAL INSPECTION OF CONTRACT WORK.

Company Name: _____ **Project Name:** _____

Address: _____

Federal Tax ID#:_____ **Date Submitted:**_____

Date of Final Inspection_____ **Total Final Contract Price:**_____

The following subcontractors performed work on the above project:

TYPE OF WORK	COMPANY NAME/ADRESS	FINAL PRICE	% OF TOTAL CONTRACT PRICE

Signature of Company Representative_____

Title: _____ **Date:** _____

Contract Compliance ____Approved ____Denied

Signature:_____

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APPENDIX D

DURHAM

1869

CITY OF MEDICINE

UNDERUTILIZED BUSINESS ENTERPRISE (UBE) CONTRACTOR PREQUALIFICATION FORMS

CONTRACT: SP-2017-01

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APPLICATION FOR PREQUALIFICATION

Submit To: **Equal Opportunity/Equity Assurance Dept.**
City Hall Plaza
101 City Hall Plaza
Durham, NC 27701

The answers to the following questions shall be used to determine the qualifications of my organization to bid upon construction projects undertaken by the City. You may submit an AIA Contractor's Qualification Statement in lieu of questions 1-23. Questions 24-30 must be submitted with the Statement.

1. Name of Firm_____

2. Business Address _____

City_____ State_____ Zip _____
County_____

3. Telephone Number ( ) _____ Fax Number ( ) _____

4. Contact Person _____
Title_____

5. The organization is requesting prequalification as:

☐ Corporation ☐ Limited Partnership ☐ General Partnership

☐ Sole-Proprietorship ☐ Limited Liability Company ☐ Other

6. If a corporation, Limited Liability Co., or Limited Partnership, indicate the following:

Date of Incorporation or other official commencement of status _____

State of Incorporation or other official commencement of status_____

7. Internal Revenue Service ID No. _____
(Employer ID/SSN)

8. Year business established by current owner _____

9. Are you authorized to do business in North Carolina as well as locally, including all business licenses?
Yes ☐ No ☐ (Attach copies)

10. List North Carolina Contractor's License Number, classification and Limitation:

License Type	License No.	Classification	Limitation

11. Indicate the type(s) of work for which the business would like to qualify to perform:

_____

_____

12. How many years has your organization been in business as a contractor under your present name?

_____

13. Has your organization been in business under another business name? Yes ☐ No☐
(If so, please list any former names and addresses.

_____

_____

14. List the construction experience of the management personnel including superintendents of your organization.

Name	Present Position	Years of Construction Experience	Type of Work	In What Capacity

15. Has your organization failed to complete any work awarded to you? Yes ☐ No☐
(If so, please explain. Attach additional sheets if necessary.)

_____

_____
_

16. Has any officer or partner of your organization ever been an officer or partner of some other organization that failed to complete a construction project? Yes ☐ No☐ (If so, please explain)

_____

_____

17. Has your organization ever been denied prequalification in this state or any other state under this name or any other name? Yes ☐ No☐ (If so, name the state(s), and explain reasons for denial)

_____

_____

18. Has your organization ever been disqualified or removed from a bidding list in this state or any other state? Yes ☐ No☐ (If so, indicate state(s) and explain reason for disquallification)

_____

_____

19. List major projects which show the various types of work completed by your organization in the past five (5) years and/or presently under construction. (Attach separate sheet if necessary)

Name and Address of Owner	**Name and Location of Project**	**Contract Amount**	**Was contract completed on time?**	**Were there any penalties imposed?**	**Were there any liens, claims or stop notices filed against the job?**

20. List major Equipment owned. (Attach separate sheet if necessary)

QUANTITY	ITEM	SIZE OR CAPACITY	CONDITION	YEARS OF SERVICE

21. Name of Bonding Company:

_____

22. Maximum Current Bonding Level: _____

23. Attach a current financial statement including a balance sheet showing the following items:

a) Current assets
b) Net fixed assets
c) Other assets
d) Current liabilities
e) Other liabilities

24. Does your organization utilize minority and women subcontractors on contracts that are not let by the City of Durham? Yes ☐ No ☐ (If yes, list three contracts and the M/WBE firms used by your organization on these contracts)

Name and Location of Project	**M/WBE Firm Utilized**	**Dollar Amount of Participation**

25. For the contracts referenced above, did your organization make good faith efforts to assist interested M/WBEs in obtaining bonding, lines of credit, or insurance if such assistance was necessary? Yes ☐ No ☐

26. Does your organization make voluntary efforts to increase the number of minority and female individuals at higher skill and responsibility levels within your own organization? Yes ☐ No ☐

27. Does your organization effectively use the services of available minority/women community organizations; minority/women contractor groups; local, state, and Federal minority/women business assistance offices; and other organizations which provide assistance in recruitment and placement of M/WBEs? Yes ☐ No ☐

28. Does your organization participate in minority/women apprenticeship or on-the-job training programs? Yes ☐ No ☐ (If yes, attach a copy of your company's program)

29. Attach a written narrative of any voluntary good faith efforts your organization proposes to undertake during the upcoming year to provide equitable participation of minority and women employees and subcontract.

30. The following documents must be submitted with your application: (Forms Enclosed)
(You may submit your organization's EEO Policy in lieu of this statement)

a) Equal Employment Opportunity Statement
b) Employee Breakdown

EMPLOYEE BREAKDOWN

Part A – Employee Statistics for the Primary Location

				M---a---l---e---s					F---e---m---a---l---e---s				
Employment Category	Total Employees	Total Males	Total Females	White	Black	Hispanic	Asian or Alaskan Islander	Indian or Alaskan Native	White	Black	Hispanic	Asian or Pacific Islander	Indian or Alaskan Native
Project Manager													
Professional													
Labor													
Clerical													
Totals													

Part B – Employee Statistics for the Consolidated Company (*See instructions for this form on whether this part is required.*)

				M---a---l---e---s					F---e---m---a---l---e---s				
Employment Category	Total Employees	Total Males	Total Females	White	Black	Hispanic	Asian or Alaskan Islander	Indian or Alaskan Native	White	Black	Hispanic	Asian or Pacific Islander	Indian or Alaskan Native
Project Manager													
Professional													
Labor													
Clerical													
Totals													

EEO -1 Report may be submitted in lieu of this form

Equal Employment Opportunity Statement

AFFIDAVIT

_____ _____
(signature) *(date)*

_____
(printed name)

State of _____ County of _____

I, a notary public in and for the aforesaid county and state, certify that _____

_____ personally appeared before me this day and, after having been

duly sworn, stated that he or she is _____
(title)
in _____ ; that he or she was
(name of Applicant)
authorized to sign the foregoing application on behalf of said Applicant, and that the statements contained in the foregoing Application for Prequalification are true to the best of his or her knowledge and belief.
This the _____ day of _____, 20_____.

My commission expires: _____

_____ Notary Public

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APPENDIX E

DURHAM

1869

CITY OF MEDICINE

NON-COLLUSION AFFIDAVIT FORMS FOR BIDDER AND SUBCONTRACTOR

CONTRACT: SP-2017-01

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NON-COLLUSION AFFIDAVIT OF BIDDER

State of_____ County of_____
_____, being first duly sworn, deposes and says that:

1. He is _____ of _____, the Bidder that has submitted the attached Bid;

2. He is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

3. Such Bid is genuine and is not a collusive or sham Bid;

4. Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted or to refrain from Bidding in connection with such Contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or of any other Bidder, or to fix any overhead, profit or cost element of the Bid price or the Bid price of any other Bidder, or to secure through any collusion, conspiracy connivance or unlawful agreement any advantage against the _____ _____ (Local Public Agency) or any person interested in the proposed Contract; and

5. The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed) _____

_____
Title

Subscribed and sworn to before me this
_____ day of _____, _____

_____
Title

My Commission Expires _____

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NON-COLLUSION AFFIDAVIT OF SUBCONTRACTOR

State of_____ County of_____
_____, being first duly sworn, deposes and says that:

1. He is _____ of _____, hereinafter referred to as the "Subcontractor";

2. He is fully informed respecting the preparation and contents of the Subcontractor's Proposal submitted by the Subcontractor to_____, the Contractor for certain work in connection with the _____ Contract pertaining to the Project in _____ (City or County and State);

3. Such Subcontractor's Proposal is genuine and is not a collusive or sham proposal;

4. Neither the Subcontractor nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, has in any way colluded, conspired, connived or agreed, directly or indirectly with any other Bidder, firm or person to submit a collusive or sham Proposal in connection with such Contract or to refrain from submitting a Proposal in connection with such Contract, or has in any manner, directly or indirectly, sought by unlawful agreement or connivance with any other Bidder, firm or person to fix the price or prices in said Contractor's Proposal, or to fix any overhead, profit or cost element of the price or prices in said Contractor's Proposal, or to secure through collusion, conspiracy connivance or unlawful agreement any advantage against the _____ (Local Public Agency) or any person interested in the proposed Contract; and

5. The price or prices quoted in the Subcontractor's Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the Bidder or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed) _____

_____
Title

Subscribed and sworn to before me this
_____ day of _____, _____

_____
Title

My Commission Expires _____

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APPENDIX F

DURHAM

1869

CITY OF MEDICINE

BID BOND FORMS

CONTRACT: SP-2017-01

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BID BOND for the City of Durham

Contract name and number or other description of the Contract:

Name of Bidder:

Name, address, and telephone number of Surety's N. C. Resident Agent:

Telephone number of Surety's home office:

Surety is a corporation organized and existing pursuant to the laws of the State of:

Amount of this bond: *check one:*

☐ *(write or type the amount in words and figures*) All numbers in this section are in U. S. dollars.

($)

☐ five percent of the amount of the proposal

Date of execution of this bond:

Obligee: CITY OF DURHAM, a North Carolina municipal corporation.

* * * * * * * * * * * * * * * * * * * *

KNOW ALL PERSONS BY THESE PRESENTS, that the Surety executing this bond, which Surety is duly licensed to act as surety in North Carolina, is held and firmly bound unto the City of Durham, Obligee, in the penal sum of the amount stated above, for the payment of which sum, well and truly to be made, the Surety binds itself and its successors and assigns, jointly and severally, by these presents. Whereas the Bidder is herewith submitting a proposal for the Contract referred to above, and the Bidder desires to file this Bid Bond in lieu of making the cash deposit pursuant to G.S. 143-129; NOW THEREFORE, THE CONDITION OF THE ABOVE OBLIGATION is such, that if the Bidder shall be awarded the contract for which the bond is submitted, and shall, within ten days after the award is made, execute and deliver to the Obligee the contract and give satisfactory surety as required by G.S. 143-129, then this obligation shall be null and void, otherwise to remain in full force and virtue; and if the Bidder fails or refuses to so execute and deliver said contract or give said satisfactory surety, the Surety shall upon demand forthwith pay to the Obligee the full penal sum of this bond. The Surety waives all extensions of time, and notice of extensions of time, for the opening of proposals and for the modification, award, execution, and delivery of the contract. IN WITNESS WHEREOF, the Surety has executed this instrument under its seal as of the date of execution indicated above, pursuant to authority of its governing body.

_____

(name of Surety)

_____

(signature of Surety's attorney in fact)

(Affix Surety's corporate seal.)

(Instructions to Surety: If you use a raised corporate seal, press hard enough to make it legible)

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ACKNOWLEDGMENT OF SURETY'S EXECUTION OF BID BOND

State of _____ County of _____

I, _____, a notary public in and for said county and state, certify that _____ personally appeared before me this day and acknowledged that he or she is Attorney in Fact for _____, the Surety named in the foregoing Bid Bond, in which bond the Obligee is the City of Durham, and that he or she executed said bond, under the seal of the Surety, on behalf of the Surety.

This the _____ day of _____, 20_____.

My commission expires: _____

_____
Notary Public

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APPENDIX G

DURHAM

1869

CITY OF MEDICINE

PERFORMANCE BOND AND PAYMENT BOND FORMS

CONTRACT: SP-2017-01

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PERFORMANCE BOND AND PAYMENT BOND

Date of Contract: _____

Contract Name and Number: _____

_____

Name of Principal (Name of Contractor): _____

_____

Name of Surety: _____

_____

Name and Address of Surety's NC Resident Agent: _____

_____

Contracting Body: **CITY OF DURHAM**, a North Carolina municipal corporation

_____

Amount of Performance Bond (in words and figures): _____

_____dollars ($_____)

Amount of Payment Bond: same dollar amount as the dollar amount of Performance Bond.

Date of Execution of these Bonds: _____

* *

KNOW ALL PERSONS BY THESE PRESENTS, that we, the PRINCIPAL AND SURETY above named, are held and firmly bound unto the above named Contracting Body, hereinafter called the Contracting Body, in the penal sum of the amount stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, administrators, and successors, jointly and severally, by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal entered into a certain Contract with the Contracting Body, numbered as shown above and hereto attached:

NOW THEREFORE, if the Principal shall well and truly perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of said Contract during the original term of said Contract and any extensions thereof that may be granted by the Contracting Body, with or without notice to the Surety, and during the life of any guaranty required under the Contract, and shall also well and truly perform and fulfill all the undertakings, covenants, terms, conditions, and agreements of any and all duly authorized modifications of said Contract that may hereafter be made, notice of which modifications to the Surety being hereby waived, then this obligation to be

void; otherwise to remain in full force and virtue. As used hereinabove, "modifications" shall include, without limitation, changes (including, without limitation, changes granting extensions of time) and additions to with respect to the Work, scope of work, and specifications.

* *

KNOW ALL PERSONS BY THESE PRESENTS, that we, the PRINCIPAL AND SURETY above named, are held and firmly bound unto the above named Contracting Body, hereinafter called the Contracting Body, in the penal sum of the amount stated above for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal entered into a certain Contract with the Contracting Body, numbered as shown above and hereto attached:

NOW THEREFORE, if the Principal shall promptly make payment to all persons supplying labor and material in the prosecution of the Work provided for in said Contract, and any and all duly authorized modifications of said Contract that may hereafter be made, notice of which modifications to the Surety being hereby waived, then this obligation to be void; otherwise to remain in full force and virtue. As used hereinabove, "modifications" shall include, without limitation, changes (including, without limitation, changes granting extensions of time) and additions to or with respect to the Work, scope of work, and specifications.

* *

The Performance Bond and the Payment Bond are being combined here only for purposes of convenience in signing and acknowledging, and the obligations of the Principal and of the Surety are the same as if the bonds were on separate documents. Each bond is in the dollar amount stated above, and the amounts of these bonds are not combined. The Surety agrees that both of these bonds are fully binding on it whether or not the Principal executes these bonds. These bonds are given pursuant to Article 3 of Chapter 44A of the NC General Statutes.

IN WITNESS WHEREOF, the above-bounden parties have executed this instrument (for both the Performance Bond and the Payment Bond) under their several seals on the date of execution indicated above, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

_____

(name of Principal)

ATTEST:

_____ By:_____

_____Secretary _____President

(Affix corporate seal)

_____

(name of Surety)

_____

(name of attorney in fact)

(Affix corporate seal)

(Note: If you use a raised corporate seal, press hard enough to make it legible.)

ACKNOWLEDGEMENT OF CONTRACTOR'S EXECUTION OF CONTRACT, PERFORMANCE BOND, AND PAYMENT BOND

State of _____ County of _____

I, _____, a notary public for the aforesaid county and state, certify that _____ personally appeared before me this day, and acknowledged that he or she is _____ Secretary of _____, a corporation, and that by authority duly given and as the act of the corporation, the foregoing (1) Contract with the City of Durham and (2) Performance Bond and Payment Bond with respect to the Contract, were signed in its name by its _____President, whose name is _____, sealed with its corporate seal, and attested by him/herself as its said Secretary or Assistant Secretary.

This the ____ day of _____, _____.

_____
NOTARY PUBLIC

My commission expires: _____

ACKNOWLEDGEMENT OF SURETY'S EXECUTION OF PERFORMANCE BOND, AND PAYMENT BOND

State of _____ County of _____

I, _____, a Notary Public for said county and state, certify that _____, personally appeared before me this day and acknowledged that he or she is Attorney in Fact for _____, the Surety named in the foregoing Performance Bond and Payment Bond, in both of which bonds the contracting body is the City of Durham, and that he or she executed said bonds, under the seal of said Surety, on behalf of said Surety.

This the ____ day of _____, _____.

_____
NOTARY PUBLIC

My commission expires: _____

APPENDIX H

DURHAM

1869

CITY OF MEDICINE

REIMBURSABLE SALES AND USE TAX STATEMENT FORMS

CONTRACT: SP-2017-01

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Reimbursable Sales and Use Tax Statement

Payment Application No. _____ **Estimate No.** _____
Name of Contractor: _____
Project: _____

*1. Type of property purchased **	*2. Date property purchased*	*3. Name of vendor*	*4. Invoice number*	*5. Date of invoice*	*6. N. C. county in which purchased.***	*7. Amount of **State** sales and use taxes paid*	*8. Amount of **local** sales and use taxes paid*	*9. Total of columns 7 & 8*

Grand totals of columns 7, 8, & 9 for all pages of this pay application/estimate.			

Notes: * If the invoice clearly specifies the property for which tax reimbursement is being requested, you need not list the property on this form.
** In column 6, if not purchased in N. C., write *Not in N.C.*

Add extra pages as needed. Total number of pages, including this page, in this request: **_____. *Do not include invoices in that page count.* In addition to the pages referred to above, invoices that substantiate this statement are attached.**
CERTIFICATION: The undersigned individual certifies (1) he or she is an employee or principal of the Contractor that is filing this form with the City to request reimbursement for N. C. State and local sales and use taxes that the Contractor has paid, (2) all of the properties listed above, and on all pages, if any, added to this page, and designated on the attached invoices, are building materials, supplies, fixtures, and equipment that have become or will become a part of or annexed to a building or structure that is owned or leased by the City of Durham and is being erected, altered, or repaired for use by the City of Durham in the project named above, (3) no tax on scaffolding, tools, equipment repair parts, equipment rentals, forms for concrete, or fuel to operate machinery or equipment is included, and (4) all of the information on this form, and on all pages, if any, added to this page, is true.

_____ _____
signature of individual typed or printed name of individual
Sworn to and subscribed before me, this _____ day of _____, 20____.

_____ My commission expires:
022304RW Notary Public

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Reimbursable Sales and Use Tax Statement, Continuation page

*1. Type of property purchased **	*2. Date property purchased*	*3. Name of vendor*	*4. Invoice number*	*5. Date of invoice*	*6. N. C. county in which purchased.***	*7. Amount of **State** sales and use taxes paid*	*8. Amount of **local** sales and use taxes paid*	*9. Total of columns 7 & 8*

Enter totals of columns 7, 8, and 9 ,added to totals from all pages, into page 1. This page is used whether page 1 is signed by the Contractor or the Subcontractor.
022304RW

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Reimbursable Sales and Use Tax Statement by Subcontractor

This line is to be completed by the Contractor: **Payment Application No**. _____ **Estimate No.** _____

Name of Contractor: _____ Name of Subcontractor _____
Project: _____

*1. Type of property purchased **	*2. Date property purchased*	*3. Name of vendor*	*4. Invoice number*	*5. Date of invoice*	*6. N. C. county in which purchased.***	*7. Amount of **State** sales and use taxes paid*	*8. Amount of **local** sales and use taxes paid*	*9. Total of columns 7 & 8*

Grand totals of columns 7, 8, & 9 for all pages of this pay application/estimate.			

Notes: * If the invoice clearly specifies the property for which tax reimbursement is being requested, you need not list the property on this form.
** In column 6, if not purchased in N. C., write *Not in N.C.*

Add extra pages as needed. Total number of pages, including this page, in this request: **_____. *Do not include invoices in that page count.* In addition to the pages referred to above, invoices that substantiate this statement are attached.**
CERTIFICATION: The undersigned individual certifies (1) he or she is an employee or principal of the Subcontractor that is submitting this form with the Contractor so that the Contractor may request reimbursement for N. C. State and local sales and use taxes that the Subcontractor has paid, (2) all of the properties listed above, and on all pages, if any, added to this page, and designated on the attached invoices, are building materials, supplies, fixtures, and equipment that have become or will become a part of or annexed to a building or structure that is owned or leased by the City of Durham and is being erected, altered, or repaired for use by the City of Durham in the project named above, (3) no tax on scaffolding, tools, equipment repair parts, equipment rentals, forms for concrete, or fuel to operate machinery or equipment is included, and (4) all of the information on this form, and on all pages, if any, added to this page, is true.

_____ _____
signature of individual typed or printed name of individual
Sworn to and subscribed before me, this _____ day of _____, 20____.

_____ My commission expires:
022304RW Notary Public

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APPENDIX I

DURHAM

1869

CITY OF MEDICINE

SUBMITTAL TRANSMITTAL FORM AND SUBMITTAL REGISTER FORM

CONTRACT: SP-2017-01

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CONTRACT: [contract]
PROJECT: [title/description]
DATE: []

[division] DIVISION
DEPARTMENT OF PUBLIC WORKS
CITY OF DURHAM, NORTH CAROLINA

SUBMITTAL TRANSMITTAL FORM

Attention: Sandra Wilbur, PE
City of Durham Department of Public Works
Stormwater & GIS Services Division
101 City Hall Plaza
Durham, North Carolina 27701

CONTRACTOR SHALL COMPLETE THIS SECTION

Transmittal No.: ……...

Date of Submittal: ……...……

Re-submittal: ……... Yes ……...……. No

Description: …….

……..

Drawing No.: ……...

Specification Section: ……..

Submittal Classification: …….

Submittal Code: ……...

Subcontractor: ……

Supplier: ……..

Contractor's Certification:

The review, approval, verification of products required, field dimensions, adjacent construction Work, and coordination of information is in accordance with the requirements of the Work and Contract Documents.

……..
(Contractor Submittal Manager Signature)

(Seal)

ENGINEER/CITY OF DURHAM SHALL COMPLETE THIS SECTION

Date of Receipt: ..……

……... Approved by Engineer (AE)
Approved by City (AC)
No exceptions noted.

……... Approved by Engineer (AEC)
Approved by City (ACC)
With corrections as noted on the submittal data or attachments, re-submittal not required.

……... Disapproved by Engineer (DE)
Disapproved by City (DC)
Re-submittal required.

Date of Review/Approval: ……...

Comments: ……...

……..

……..
(Engineer/City Signature)

(Seal)

PLACE CONTRACTOR SUBMITTAL REVIEW STAMP AND ENGINEER/CITY SUBMITTAL REVIEW STAMP ON REVERSE PAGE

CONTRACT: [contract]
PROJECT: [title/
description] DATE: []

[division] DIVISION
DEPARTMENT OF PUBLIC WORKS
CITY OF DURHAM, NORTH CAROLINA

PLACE CONTRACTOR SUBMITTAL
REVIEW STAMP BELOW

PLACE ENGINEER/CITY SUBMITTAL
REVIEW STAMP BELOW

SUBMITTAL REGISTER

Contract: [XX-20XX-XX]
Project: [title/description]
Date: []

[division] DIVISION
Department of Public Works
City of Durham, North Carolina

Item No.	Transmittal No.	Submittal Classification	Description	Drawing No. or Specification Section	Submittal Code	Contractor Schedule Data							Review/Approval		Comments, Remarks, Follow-up
						Construction Activity	Planned Activity Start Date	Review Period (Days)	Requested Date for Approval	Product Purchase Period (Days)	Scheduled Date of Submittal	Actual Date of Submittal	Review/Approval Action Code	Date of Review/Approval	
a	b	c	d	e	f	g	h	i	j	k	l	m	n	o	p

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APPENDIX J

DURHAM

1869

CITY OF MEDICINE

NOT USED

CONTRACT: SP-2017-01

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APPENDIX K

DURHAM

1869

CITY OF MEDICINE

Contractor Safety Record Information

CONTRACT: SP-2017-01

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Contract Safety Record Information

The Contractor's safety record shall be reviewed and evaluated in addition to other quality and performance criteria as part of bid evaluation process. The bidder's failure to provide the requested information and documentation may result in the rejection of your bid as non-responsive. Because a poor safety record can be indicative of poor past performance, your bid may also be rejected if you have any of the following deficiencies: (1) a DART Incident Rate above the Industry Average, (2) an EMR above the industry average, (3) OSHA citations or investigations, or (4) an inadequate safety plan. For each identified deficiency you must provide a written explanation of the deficiency and include a detailed explanation of the actions you have taken to address such safety record deficiency.

The following definitions shall apply to this section:

"DART incident rate" – Acronym for "Days Away, Restrictions and Transfers". The DART incident rate may be used to show the relative level of injuries and illnesses within a firm compared to the industry. It is based only on those injuries and illnesses severe enough to warrant "Days Away, Restrictions and Transfers". The DART incident rate is calculated using OSHA's Form 300 and the following formula:

((Number of entries in column H (days away from work) + column I (job transfer or restriction) x 200,000) / (Number of hours worked by all employees) = DART Incident rate.

"EMR" – Acronym for "Experience Modification Rate," is an indicator of a contractor's past safety performance, widely used by the insurance industry as an equitable means of determining premiums for workers' compensation insurance. The rating system considers the average workers' compensation losses for a given firm's type of work and amount of payroll and predicts the dollar amount of expected losses to be paid by that employer in a designated rating period, usually three years. The rating is based on comparison of firms doing similar types of work, and the employer is rated against the average expected performance in each work classification. Losses incurred by the employer for the rating period are then compared to the expected losses to develop an experience rating.

"OSHA" – Acronym for the Federal Occupational Health and Safety Administration. The term "OSHA" as used in this Policy also refers to any state or local agency having jurisdictional authorization to enforce worker safety requirements and assess fines or warnings for violation of worker safety standards.

All bidders must submit the following information regarding their safety record.

1. OSHA DART Incident Rate. Provide the bidder's DART Incident Rate calculated from OSHA's Form 300 for the last three years and the other required information

shown in the example table below. *The bidder must attach all supporting documentation and calculations including certified OSHA forms*.

YEAR	CONTRACTOR **DART** INCIDENT RATE	MOST CURRENT INDUSTRY FIELD **DART** INCIDENT RATE**	NAISC CODE

** the "Industry Dart Incident Rate" for your industry field and code may be found at the following website:_http://www.bls.gov/iif/oshsum.htm. Scroll down to Summary Tables and click "PDF" for most current available data.

(a) IF YOUR DART INCIDENT RATE IS ABOVE THE INDUSTRY AVERAGE FOR ANY YEAR, ATTACH A WRITTEN EXPLANATION OF THE ACTIONS YOU HAVE TAKEN TO REDUCE YOUR DART INCIDENT RATE.

2. Experience Modification Rate (EMR). Provide the bidder's most recent Experience Modification Rate (EMR) based on insurance claims history. *The bidder must provide the source of the EMR information and contact information of insurer entity providing the EMR*.

YEAR	CONTRACTOR **EMR**	INDUSTRY FIELD AND CODE	NAME AND CONTACT INFO FOR **EMR** INFORMATION

(a) IF YOUR EMR IS GREATER THAN 1.0, ATTACH A WRITTEN EXPLANATION OF THE ACTIONS YOU HAVE TAKEN DO REDUCE YOUR EMR.

3. Answer the following OSHA Specific Questions:

(a) Within the last 2 years, has the bidder received any citations classified by OSHA as being (1) serious, (2) willful and/or (3) repeat violations where your company operates?

Yes _____ No _____

If yes, attach a copy of each such citation and violation, and include a written explanation of the actions you have taken to reduce the incidents of such OSHA violations in the future.

(b) Has the bidder experienced any work-related fatalities within the last five years?

Yes _____ No _____

If yes, attach an explanation of each such fatality, and include a written explanation of the actions you have taken to reduce the incidents of such fatality or fatalities in the future.

(c) Has the bidder had any citations issued by OSHA as a result of work related fatalities within the past 5 years?

Yes _____ No _____

If yes, attach a copy of such citation(s), an explanation of the citation(s), and include a written explanation of the actions you have taken to reduce the incidents of such OSHA citations in the future.

(d) Is the bidder under investigation for any work-related fatalities?

Yes _____ No _____

If yes, attach a written explanation of each such investigation, and include a written explanation of the actions you have taken to reduce the incidents of such fatality or fatalities in the future.

4. Safety Plan:

(a) Does the company have a written safety program that includes responsibility for all aspects of safety management?

Yes_____ No _____ N/A_____

If you answered “No” or “N/A”, attach a written explanation and what actions you have taken to address such Safety Plan deficiency.

(b) Does the company have a written plan for safety training of new employees and ongoing training of existing employees?

Yes_____ No _____ N/A_____

If you answered “No” or “N/A”, attach a written explanation and what actions you have taken to address such Safety Plan deficiency

(c) Does the company have documented evidence of safety training that they have conducted?

Yes_____ No _____ N/A_____

If you answered “No” or “N/A”, attach a written explanation and what actions you have taken to address such Safety Plan deficiency

(d) If the company has employees with limited English ability, does the company have a written plan for ensuring that their employees understand the training they are being given?

Yes_____ No _____ N/A_____

If you answered “No” or “N/A”, attach a written explanation and what actions you have taken to address such Safety Plan deficiency

(e) Do all supervisors have an appropriate documented level of OSHA training (e.g., a minimum of 30 hour OSHA construction safety training)?

Yes_____ No _____ N/A_____

If you answered “No” or “N/A”, attach a written explanation and what actions you have taken to address such Safety Plan deficiency

(f) Do employees have documented basic OSHA 10 hour construction safety training?

Yes_____ No _____ N/A_____

If you answered “No” or “N/A”, attach a written explanation and what actions you have taken to address such Safety Plan deficiency

(g) Does the company have a documented Hazard Communication Program?

Yes_____ No _____ N/A_____

If you answered “No” or “N/A”, attach a written explanation and what actions you have taken to address such Safety Plan deficiency.

5. Required Written Explanation of Deficient Safety Record. Your bid may be rejected if you fail to provide an adequate written explanation of actions you have taken to address a deficient safety record pursuant to this safety information request form.

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APPENDIX L

DURHAM

1869

CITY OF MEDICINE

Building Demo Site Map and Details

CONTRACT: SP-2017-01

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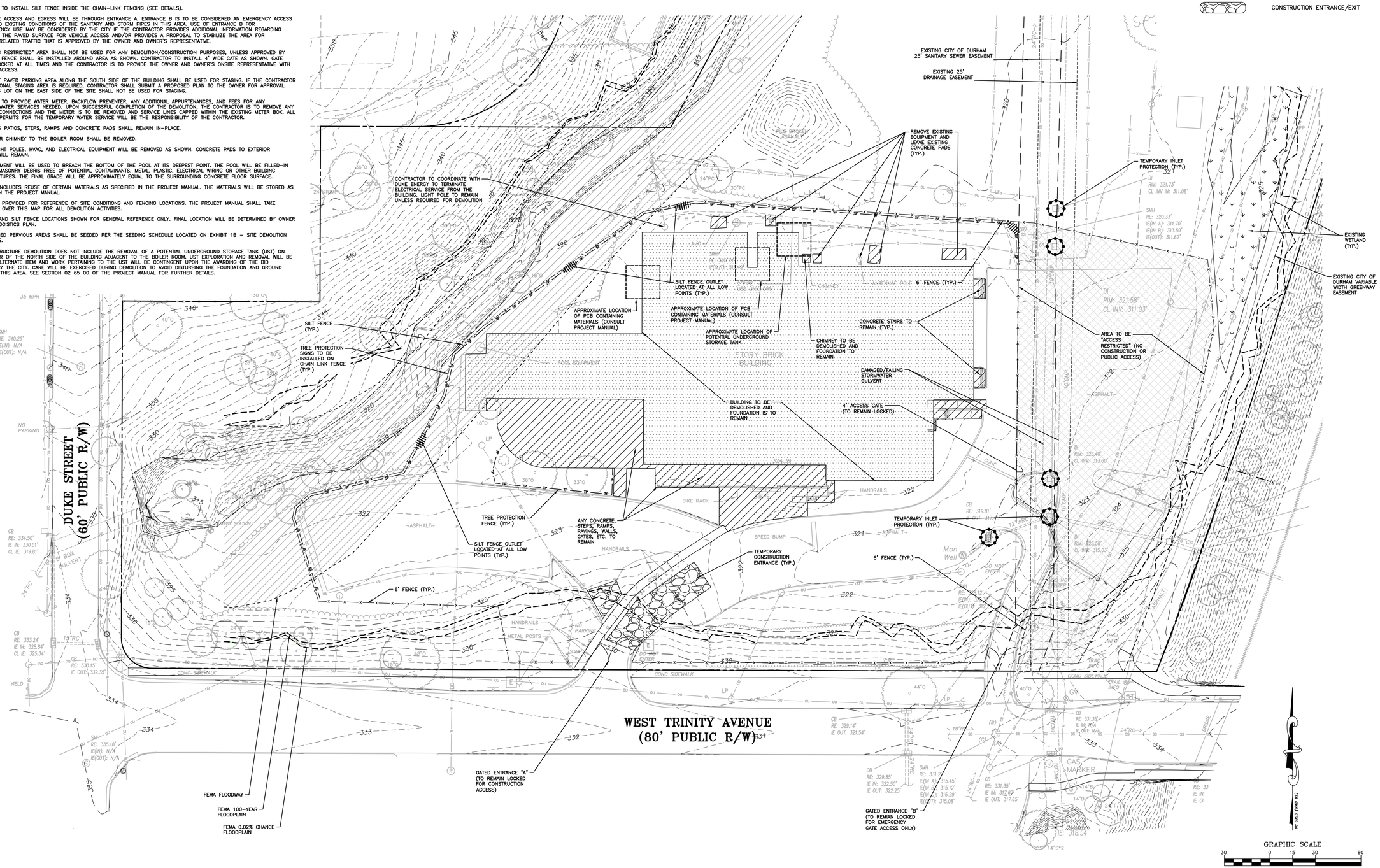
EXHIBIT 1 NOTES:

1. CONTRACTOR TO SUBMIT STAGING/LOGISTICS PLAN FOR OWNER AND OWNER'S REPRESENTATIVE APPROVAL PRIOR TO MOBILIZING TO THE SITE.
2. CONTRACTOR TO INSTALL GRAVEL CONSTRUCTION ENTRANCE, AT A MINIMUM, IN THE AREA SHOWN. SHOULD THE CONTRACTOR TRACK EXCESS SEDIMENT AND DEBRIS OFFSITE, THE CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING STREET SURFACES AND/OR EXPANDING THIS AREA OR ADDING ADDITIONAL MEASURES TO MINIMIZE THE EXPORT OF SEDIMENT TO THE SATISFACTION OF THE OWNER.
3. CONTRACTOR TO INSTALL SIX-FOOT HIGH CHAIN LINK FENCE AT THE APPROXIMATE LOCATIONS SHOWN IN THE EXHIBIT.
4. ALL DEMOLITION-RELATED ACTIVITIES WILL BE CONDUCTED WITHIN THE DESIGNATED FENCED-IN AREA. THE FENCE WILL REMAIN IN-PLACE AFTER DEMOLITION ACTIVITIES HAVE BEEN COMPLETED AND TO BE REMOVED BY THE CITY OR ANOTHER CONTRACTOR UNDER A SEPARATE CONTRACT.
5. CONTRACTOR TO INSTALL SILT FENCE INSIDE THE CHAIN-LINK FENCING (SEE DETAILS).
6. PRIMARY SITE ACCESS AND EGRESS WILL BE THROUGH ENTRANCE A. ENTRANCE B IS TO BE CONSIDERED AN EMERGENCY ACCESS ONLY DUE TO EXISTING CONDITIONS OF THE SANITARY AND STORM PIPES IN THIS AREA. USE OF ENTRANCE B FOR NON-EMERGENCY USE MAY BE CONSIDERED BY THE CITY IF THE CONTRACTOR PROVIDES ADDITIONAL INFORMATION REGARDING STABILITY OF THE PAVED SURFACE FOR VEHICLE ACCESS AND/OR PROVIDES A PROPOSAL TO STABILIZE THE AREA FOR DEMOLITION-RELATED TRAFFIC THAT IS APPROVED BY THE OWNER AND OWNER'S REPRESENTATIVE.
7. THE "ACCESS RESTRICTED" AREA SHALL NOT BE USED FOR ANY DEMOLITION/CONSTRUCTION PURPOSES, UNLESS APPROVED BY THE OWNER. FENCE SHALL BE INSTALLED AROUND AREA AS SHOWN. CONTRACTOR TO INSTALL 4' WIDE GATE AS SHOWN. GATE SHALL BE LOCKED AT ALL TIMES AND THE CONTRACTOR IS TO PROVIDE THE OWNER AND OWNER'S ONSITE REPRESENTATIVE WITH A KEY FOR ACCESS.
8. THE ASPHALT PAVED PARKING AREA ALONG THE SOUTH SIDE OF THE BUILDING SHALL BE USED FOR STAGING. IF THE CONTRACTOR FEELS ADDITIONAL STAGING AREA IS REQUIRED, CONTRACTOR SHALL SUBMIT A PROPOSED PLAN TO THE OWNER FOR APPROVAL. THE PARKING LOT ON THE EAST SIDE OF THE SITE SHALL NOT BE USED FOR STAGING.
9. CONTRACTOR TO PROVIDE WATER METER, BACKFLOW PREVENTER, ANY ADDITIONAL APPURTENANCES, AND FEES FOR ANY TEMPORARY WATER SERVICES NEEDED. UPON SUCCESSFUL COMPLETION OF THE DEMOLITION, THE CONTRACTOR IS TO REMOVE ANY TEMPORARY CONNECTIONS AND THE METER IS TO BE REMOVED AND SERVICE LINES CAPPED WITHIN THE EXISTING METER BOX. ALL APPLICABLE PERMITS FOR THE TEMPORARY WATER SERVICE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
10. ALL BUILDING PATIOS, STEPS, RAMPS AND CONCRETE PADS SHALL REMAIN IN-PLACE.
11. THE EXTERIOR CHIMNEY TO THE BOILER ROOM SHALL BE REMOVED.
12. EXTERIOR LIGHT POLES, HVAC, AND ELECTRICAL EQUIPMENT WILL BE REMOVED AS SHOWN. CONCRETE PADS TO EXTERIOR EQUIPMENT WILL REMAIN.
13. HEAVY EQUIPMENT WILL BE USED TO BREACH THE BOTTOM OF THE POOL AT ITS DEEPEST POINT. THE POOL WILL BE FILLED-IN WITH INERT MASONRY DEBRIS FREE OF POTENTIAL CONTAMINANTS, METAL, PLASTIC, ELECTRICAL WIRING OR OTHER BUILDING MATERIAL/FIXTURES. THE FINAL GRADE WILL BE APPROXIMATELY EQUAL TO THE SURROUNDING CONCRETE FLOOR SURFACE.
14. DEMOLITION INCLUDES REUSE OF CERTAIN MATERIALS AS SPECIFIED IN THE PROJECT MANUAL. THE MATERIALS WILL BE STORED AS DESCRIBED IN THE PROJECT MANUAL.
15. THIS MAP IS PROVIDED FOR REFERENCE OF SITE CONDITIONS AND FENCING LOCATIONS. THE PROJECT MANUAL SHALL TAKE PRECEDENCE OVER THIS MAP FOR ALL DEMOLITION ACTIVITIES.
16. CHAIN LINK AND SILT FENCE LOCATIONS SHOWN FOR GENERAL REFERENCE ONLY. FINAL LOCATION WILL BE DETERMINED BY OWNER APPROVED LOGISTICS PLAN.
17. ANY DISTURBED PERVIOUS AREAS SHALL BE SEEDED PER THE SEEDING SCHEDULE LOCATED ON EXHIBIT 1B - SITE DEMOLITION PLAN DETAILS.
18. BASE BID STRUCTURE DEMOLITION DOES NOT INCLUDE THE REMOVAL OF A POTENTIAL UNDERGROUND STORAGE TANK (UST) ON THE EXTERIOR OF THE NORTH SIDE OF THE BUILDING ADJACENT TO THE BOILER ROOM. UST EXPLORATION AND REMOVAL WILL BE BID AS AN ALTERNATE ITEM AND WORK PERTAINING TO THE UST WILL BE CONTINGENT UPON THE AWARDING OF THE BID ALTERNATE BY THE CITY. CARE WILL BE EXERCISED DURING DEMOLITION TO AVOID DISTURBING THE FOUNDATION AND GROUND SURFACE IN THIS AREA. SEE SECTION 02 65 00 OF THE PROJECT MANUAL FOR FURTHER DETAILS.

EROSION CONTROL LEGEND

- SILT FENCE OUTLET
- INLET PROTECTION
- —SF—SF—SF— SILT FENCE
- —TP—TP—TP— TREE PROTECTION FENCE
- CONSTRUCTION ENTRANCE/EXIT



ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH CITY OF DURHAM STANDARDS, SPECIFICATIONS, AND DETAILS.

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

THE JOHN R. McADAMS COMPANY, INC.
2905 Meridian Parkway
Durham, North Carolina 27713
License No: C-0293
(800) 733-5646 • McAdamsCo.com

REVISIONS:

OWNER:
CITY OF DURHAM
DEPARTMENT OF WATER MANAGEMENT
1600 MIST LAKE DRIVE
DURHAM, NC 27704

SOUTH ELLERBE
WETLAND AND STREAM RESTORATION
DURHAM, NORTH CAROLINA

SITE DEMOLITION PLAN

PROJECT NO.	DUR-17010
FILENAME:	DUR17010-XC1
CHECKED BY:	JLE
DRAWN BY:	SMP
SCALE:	1"=30"
DATE:	10-17-2017
SHEET NO.	1A

McADAMS

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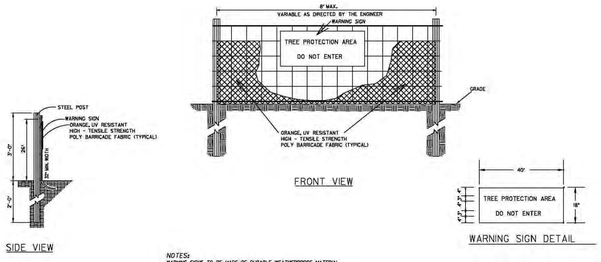


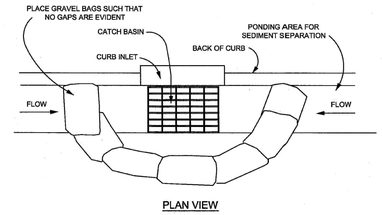
NOTES:
WARNING SIGNS TO BE MADE OF DURABLE, WEATHERPROOF MATERIAL.
LETTERS TO BE 3"INCH MINIMUM, CLEARLY LEGIBLE AND SPACED AS DETAILED.
SIGNS SHALL BE PLACED AT 50' MAXIMUM INTERVALS.
PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER.
FOR TREE PROTECTION AREAS LESS THAN 200' IN PERIMETER, PROVIDE NO LESS THAN ONE SIGN PER PROTECTION AREA.
ATTACH SIGNS SECURELY TO FENCE POSTS AND FABRIC.
MAINTAIN TREE PROTECTION FENCE THROUGHOUT DURATION OF PROJECT.
ADDITIONAL SIGNS MAY BE REQUIRED BASED ON ACTUAL FIELD CONDITIONS.
PLACE A SIGN AT EACH END OF LINEAR TREE PROTECTION AND 50' ON CENTER THEREAFTER.

NOTE: FOR TREE PROTECTION ONLY

EROSION CONTROL DETAIL
DURHAM COUNTY, NC
ENGINEERING DEPARTMENT

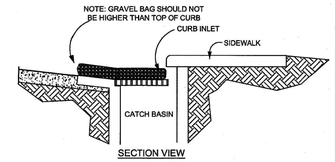
TREE PROTECTION DETAIL

DATE	REV
10/12	



NOTES:

1. PLACE GRAVEL BAG BARRIER ON GENTLY SLOPING STREET, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNNOFF.
2. USE SAND BAGS OF WOVEN GEOTEXTILE FABRIC (NOT BURLAP) AND FILL WITH ⅔ INCH (OR SMALLER) GRAVEL. BAGS MUST BE LAYERED SUCH THAT NO GAPS ARE EVIDENT.
3. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.
4. WHEN INSTALLING CURB INLET PROTECTION DEVICES, **NEVER** BLOCK THE CURB INLET.



EROSION CONTROL DETAIL
DURHAM COUNTY, NC
ENGINEERING DEPARTMENT
REV:

STANDARD GRAVEL BAG CURB INLET PROTECTION

DATE	ID
02/09	SF - 1

NOTES:

a. RAILROAD BALLAST OR SURGE STONE SHALL BE USED. PAD TO BE 50'L X 20'W X 6" D AT A MINIMUM.

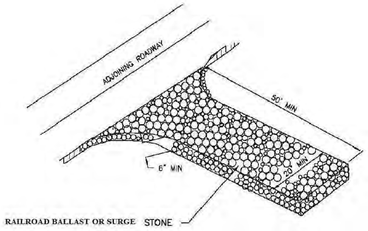
b. TURNING RADIUS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS IS TO BE PROVIDED.

c. ENTRANCE(S) SHOULD BE LOCATED TO PROVIDE FOR MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES.

d. MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOPDRESSING WITH STONE SILL BE NECESSARY; KEEP SOME HANDY.

e. ANY MATERIAL WHICH STILL MAKES IT ONTO THE ROAD MUST BE CLEANED UP IMMEDIATELY.

NOTES: APPLICABLE AT ALL POINTS OF INGRESS & EGRESS UNTIL SITE IS STABILIZED, FREQUENT CHECKS OF THE DEVICE AND TIMELY MAINTENANCE MUST BE PROVIDED.



NOT TO SCALE

EROSION CONTROL DETAIL
DURHAM COUNTY, NC
ENGINEERING DEPARTMENT
REV:

CONSTRUCTION ENTRANCE

DATE	ID
02/09	CE - 1

Table 6.11k
Seeding No. 1P for: Steep Slopes or Poor Soils; Low Maintenance

Seeding mixture

Species[1]	Rate (lb/acre)
Tall fescue	100
Bermudagrass	25

Seeding notes
1. In Eastern Piedmont, add 25 lb/acre Pensacola Bahiagrass or 10 lb/acre common Bermudagrass. Use common Bermudagrass only where it is unlikely to become a pest.
2. After Aug. 15, use unscarified sericea seed.
3. Where a neat appearance is desired, omit sericea and substitute 40 lb/acre Bahiagrass or 15 lb/acre Bermudagrass.
4. To extend spring seeding dates into June, add 15 lb/acre hulled Bermudagrass. However, it is preferable to seed temporary cover and seed fescue in Sept.

Nurse plants
Between May 1 and Aug. 15, add 10 lb/acre German millet or 15 lb/acre Sudangrass. Prior to May 1 or after Aug. 15, add 40 lb/acre rye (grain).

Seeding dates

	Best	Possible
Fall:	Aug. 25 - Sept. 15	Aug. 20 - Oct. 25
Late Winter:	Feb. 15 - Mar. 21	Feb. 1 - Apr. 15

Fall is best for tall fescue, and lespedezas in late winter. Overseeding of Kobe lespedeza over fall-seeded tall fescue is very effective. Use unhulled Bermudagrass seed in fall.

Soil amendments
Apply lime and fertilizer according to soil tests or apply 4,000 lb/acre ground agricultural limestone and 1,000 lb/acre 10-10-10 fertilizer.

Mulch
Apply 4,000-5,000 lb/acre grain straw or equivalent cover of another suitable mulching material. Anchor mulch by tacking with asphalt, roving, or netting. Netting is the preferred anchoring method on steep slopes.

Maintenance
Refertilize in the second year unless growth is fully adequate. May be mowed once or twice a year, but mowing is not necessary. Reseed, fertilize, and mulch damaged areas immediately.

[1]Refer to *Appendix 8.02* for botanical names.

Table 6.11l
Seeding No. 2P for: Gentle Slopes, Average Soil; Low Maintenance

Seeding mixture

Species[1]	Rate (lb/acre)
Tall fescue	~~60~~ use 110

Seeding notes
1. After Aug. 15, use unscarified sericea seed.
2. Where periodic mowing is planned or a neat appearance is desired, omit sericea and increase Kobe lespedeza to 40 lb/acre.
3. To extend spring seeding dates into June, add 15 lb/acre hulled Bermudagrass. However, after mid-Apr. it is preferable to seed temporary cover.

Nurse plants
Between May 1 and Aug. 15, add 10 lb/acre German millet or 15 lb/acre Sudangrass. Prior to May 1 or after Aug. 15, add 40 lb/acre rye (grain).

Seeding dates

	Best	Possible
Fall:	Aug. 25 - Sept. 15	Aug. 20 - Oct. 25
Late Winter:	Feb. 15 - Mar. 21	Feb. 1 - Apr. 15

Fall is best for tall fescue and late winter for lespedezas. Overseeding of Kobe lespedeza over fall-seeded tall fescue is very effective.

Soil amendments
Apply lime and fertilizer according to soil tests, or apply 4,000 lb/acre ground agricultural limestone and 1,000 lb/acre 10-10-10 fertilizer.

Mulch
Apply 4,000 lb/acre grain straw or equivalent cover of another suitable mulch. Anchor straw by tacking with asphalt, netting, or roving or by crimping with a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
Refertilize in the second year unless growth is fully adequate. May be mowed once or twice a year, but mowing is not necessary. Reseed, fertilize, and mulch damaged areas immediately.

[1]Refer to *Appendix 8.02* for botanical names.

Table 6.11m
Seeding No. 3P for: Gentle Slopes, Soils with Average or Better Moisture Retention, Cooler Sites; High Maintenance

Seeding mixture

Species[1]	Rate (lb/acre)
Blend of two turf-type tall fescues (90%) and two or more improved Kentucky bluegrass varieties (10%)	200-250

Seeding dates

	Best	Possible
Fall:	Aug. 25 - Sept. 15	Aug. 20 - Oct. 25
Winter:	—	Feb. 1 - Mar. 31

For quality turf, avoid spring seeding. Where grading is completed during late winter or spring, an alternative is to seed 30 lb/acre Kobe lespedeza, keep mowed, prepare seedbed, and seed a permanent mixture in early fall.

Soil amendments
Apply lime and fertilizer according to soil tests, or apply 4,000 lb/acre ground agricultural limestone and 1,000 lb/acre 10-10-10 fertilizer.

Mulch
Apply 4,000 lb/acre small grain straw or equivalent cover of another suitable mulch. Anchor straw by tacking with asphalt, netting, roving, or by crimping with a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
Fertilize according to soil tests or apply 40 lb/acre nitrogen in Jan. or Feb., 40 lb in Sept., and 40 lb in Nov., from a 12-4-8, 16-4-8, or similar turf fertilizer. Avoid fertilizer applications during warm weather, as this increases stand losses to disease. Mow to a height of 2.5-3.5 inches as needed. Reseed, fertilize, and mulch damaged areas immediately.

[1]Refer to *Appendix 8.02* for botanical names.

Table 6.11n
Seeding No. 4P for: Gentle Slopes, Soils Somewhat Warmer or Drier than 3P, or with Physical Limitations; High Maintenance

Seeding mixture

Species[1]	Rate (lb/acre)
Blend of 50% KY-31 tall fescue and 50% mixture of two or more turf-type tall fescues	200-250
or	
Blend of three or more turf-type tall fescues	200-250

Seeding dates

	Best	Possible
Fall:	Aug. 25 - Sept. 15	Aug. 20 - Oct. 25
Winter:	—	Feb. 1 - Mar. 31

For quality turf, avoid spring seeding. Where grading is completed during late winter or spring, an alternative is to seed 30 lb/acre Kobe lespedeza, keep mowed, prepare seedbed, and seed permanent mixture between Aug. 25 and Sept. 15.

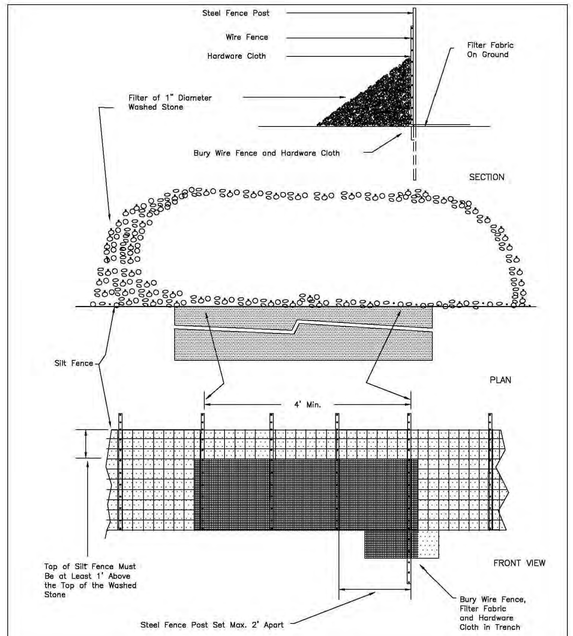
Soil amendments
Apply lime and fertilizer according to soil tests or apply 4,000 lb/acre ground agricultural limestone and 1,000 lb/acre 10-10-10 fertilizer.

Mulch
Apply 4,000 lb/acre grain straw or equivalent cover of another suitable mulch. Anchor straw by tacking with asphalt, roving, netting, or by crimping with a mulch anchoring tool. A disk with blades set nearly straight can be used as a mulch anchoring tool.

Maintenance
Fertilize according to soil tests or apply 40 lb/acre nitrogen in Jan. or Feb., 40 lb in Sept., and 40 lb in Nov., from a 12-4-8, 16-4-8, or similar turf fertilizer. Avoid fertilizer applications during warm weather, as this increases stand losses to disease. Reseed, fertilize, and mulch damaged areas immediately. Mow to a height of 2.5-3.5 inches as needed.

[1]Refer to *Appendix 8.02* for botanical names.

PERMANENT SEEDING PER NCDEQ
EROSION & SEDIMENT CONTROL PLANNING AND DESIGN MANUAL
VERSION 6/06, SECTION 6.11

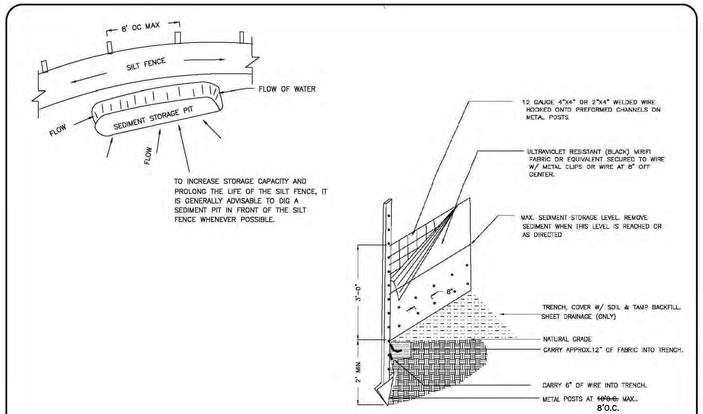


EROSION CONTROL DETAIL
DURHAM COUNTY, NC
ENGINEERING DEPARTMENT

SILT FENCE OUTLET

DATE	ID
02/09	SF - 2

GROUND STABILIZATION		
SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME FRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	4 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	4 DAYS	NONE
SLOPES STEEPER THAN 3:1	4 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED
SLOPES 3:1 OR FLATTER	10 DAYS	7-DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	10 DAYS	NONE (EXCEPT FOR PERIMETERS AND HQW ZONES)

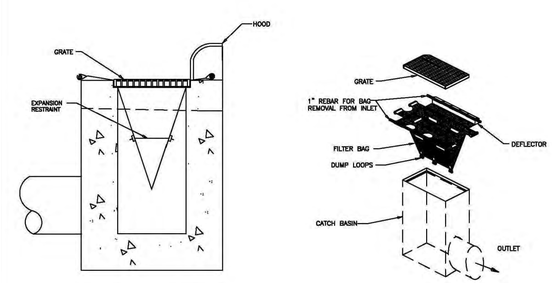


NOT TO SCALE

EROSION CONTROL DETAIL
DURHAM COUNTY, NC
ENGINEERING DEPARTMENT
REV:

TEMPORARY SILT FENCE

DATE	ID
02/09	SF-1



NOT TO SCALE

EROSION CONTROL DETAIL
DURHAM COUNTY, NC
ENGINEERING DEPARTMENT
REV:

CATCH BASIN INLET PROTECTION

DATE	ID
02/09	DI - 2

PRELIMINARY DRAWING – NOT RELEASED FOR CONSTRUCTION

THE JOHN R. McADAMS COMPANY, INC.
2905 Meridian Parkway
Durham, North Carolina 27713
License No.: C-0293
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REVISIONS:

OWNER:
CITY OF DURHAM
DEPARTMENT OF WATER MANAGEMENT
1600 MIST LAKE DRIVE
DURHAM, NC 27704

SOUTH ELLERBE
WETLAND AND STREAM RESTORATION
DURHAM, NORTH CAROLINA

SITE DEMOLITION PLAN DETAILS

PROJECT NO.	DUR-17010
FILENAME:	DUR17010-D1
CHECKED BY:	JLE
DRAWN BY:	SMP
SCALE:	AS NOTED
DATE:	10-17-2017
SHEET NO.	1B

McADAMS

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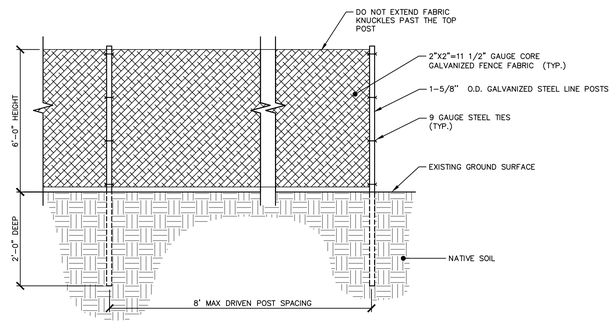
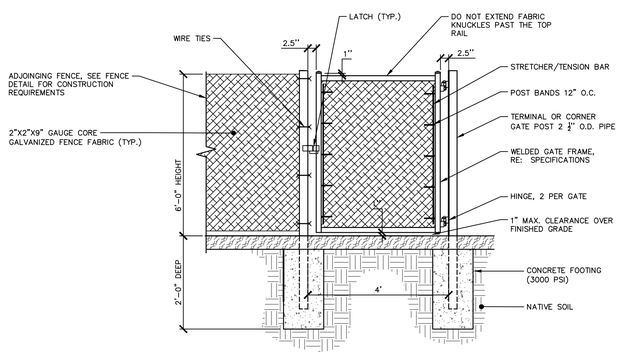


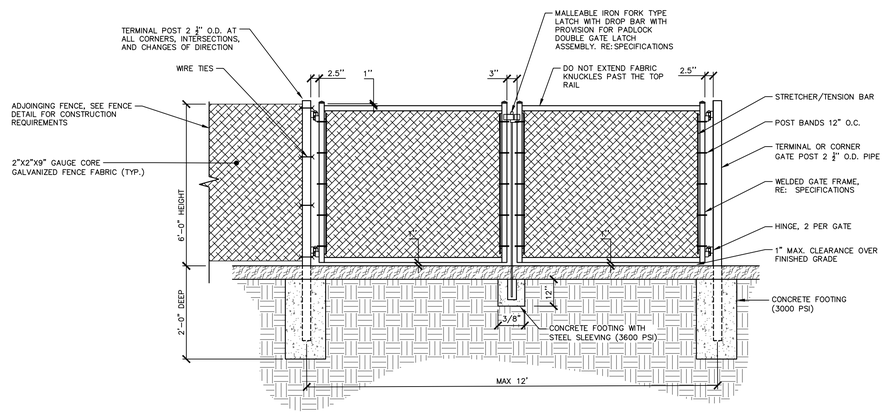
TEMPORARY IN-GROUND FENCE DETAIL

SCALE: NTS



TEMPORARY IN-GROUND CHAIN LINK SINGLE SWING GATE

SCALE: NTS



TEMPORARY IN-GROUND CHAIN LINK DOUBLE SWING GATE

SCALE: NTS

PRELIMINARY DRAWING - NOT RELEASED FOR CONSTRUCTION

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THE JOHN R. McADAMS COMPANY, INC.
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Durham, North Carolina 27713
License No.: C-0293
(800) 733-5646 • McAdamsCo.com

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REVISIONS:

OWNER:
CITY OF DURHAM
DEPARTMENT OF WATER MANAGEMENT
1600 MIST LAKE DRIVE
DURHAM, NC 27704

SOUTH ELLERBE
WETLAND AND STREAM RESTORATION
DURHAM, NORTH CAROLINA

SITE DEMOLITION PLAN DETAILS

PROJECT NO.	DUR-17010
FILENAME:	DUR17010-D1
CHECKED BY:	JLE
DRAWN BY:	SMP
SCALE:	NTS
DATE:	10-17-2017
SHEET NO.	1C

McADAMS

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APPENDIX M

DURHAM

1869

CITY OF MEDICINE

Preliminary Topographic Survey

CONTRACT: SP-2017-01

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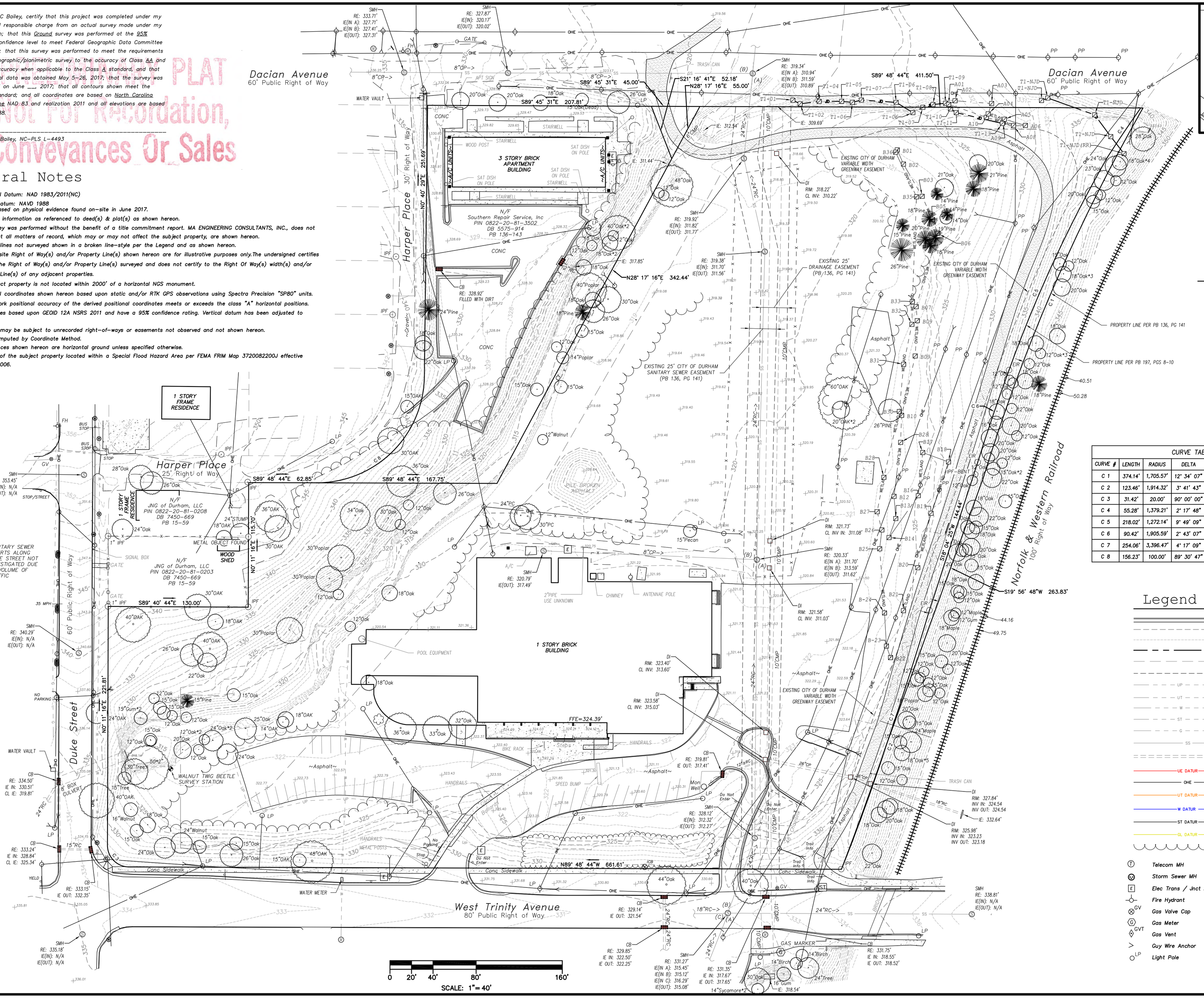
I, Steven C Bailey, certify that this project was completed under my direct and responsible charge from an actual survey made under my supervision; that this Ground survey was performed at the 95% percent confidence level to meet Federal Geographic Data Committee Standards; that this survey was performed to meet the requirements for a topographic/planimetric survey to the accuracy of Class AA and vertical accuracy when applicable to the Class A standard, and that the original data was obtained May 5–26, 2017; that the survey was completed on June __, 2017; that all contours shown meet the stated standard; and all coordinates are based on North Carolina State Plane NAD 83 and realization 2011 and all elevations are based on NAVD'88.

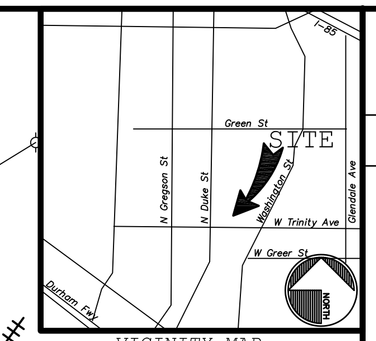
Steven C Bailey, NC–PLS L–4493

PLAT
Not For Recordation,
Conveyances Or Sales

General Notes

1. Horizontal Datum: NAD 1983/2011(NC)
   Vertical Datum: NAVD 1988
2. Survey based on physical evidence found on–site in June 2017.
3. Boundary information as referenced to deed(s) & plat(s) as shown hereon.
4. This survey was performed without the benefit of a title commitment report. MA ENGINEERING CONSULTANTS, INC., does not claim that all matters of record, which may or may not affect the subject property, are shown hereon.
5. Property lines not surveyed shown in a broken line–style per the Legend and as shown hereon.
6. Any off–site Right of Way(s) and/or Property Line(s) shown hereon are for illustrative purposes only.The undersigned certifies only to the Right of Way(s) and/or Property Line(s) surveyed and does not certify to the Right Of Way(s) width(s) and/or Property Line(s) of any adjacent properties.
7. The subject property is not located within 2000' of a horizontal NGS monument.
8. Horizontal coordinates shown hereon based upon static and/or RTK GPS observations using Spectra Precision "SP80" units. The network positional accuracy of the derived positional coordinates meets or exceeds the class "A" horizontal positions. Coordinates based upon GEOID 12A NSRS 2011 and have a 95% confidence rating. Vertical datum has been adjusted to NAVD88.
9. Property may be subject to unrecorded right–of–ways or easements not observed and not shown hereon.
10. Areas computed by Coordinate Method.
11. All distances shown hereon are horizontal ground unless specified otherwise.
12. Portions of the subject property located within a Special Flood Hazard Area per FEMA FRIM Map 3720082200J effective 05–02–2006.





VICINITY MAP
(N.T.S.)

NC GRID NAD83/2011

CURVE TABLE					
CURVE #	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
C 1	374.14'	1,705.57'	12° 34' 07"	S23° 21' 17"W	373.39'
C 2	123.46'	1,914.32'	3° 41' 43"	S19° 52' 48"W	123.44'
C 3	31.42'	20.00'	90° 00' 00"	N44° 48' 44"W	28.28'
C 4	55.28'	1,379.21'	2° 17' 48"	S34° 01' 48"W	55.28'
C 5	218.02'	1,272.14'	9° 49' 09"	S24° 48' 40"W	217.75'
C 6	90.42'	1,905.59'	2° 43' 07"	S18° 45' 14"W	90.41'
C 7	254.06'	3,396.47'	4° 17' 09"	S18° 45' 55"W	254.00'
C 8	156.23'	100.00'	89° 30' 47"	N45° 25' 52"E	140.82'

Legend

- Building Outline
- Concrete Curb & Gutter
- Ex. Major Contour
- Ex. Minor Contour
- Ex. Right of Way
- Ex. Property Line (Surveyed)
- Ex. Easement
- UP — U/G Electrical (SUE QL–B)
- UT — U/G Telecom (SUE QL–B)
- W — U/G Water (SUE QL–B)
- ST — U/G HP Steam (SUE QL–B)
- G — U/G Gas (SUE QL–B)
- SS — Ex. San Sewer (SUE QL–C)
- Ex. Storm Sewer Pipe
- UE DATUR — U/G Electrical (SUE QL–C)
- OHE — O/H Utility Lines
- UT DATUR — U/G Telecom (SUE QL–C)
- W DATUR — U/G Water (SUE QL–C)
- ST DATUR — U/G HP Steam (SUE QL–C)
- GL DATUR — U/G Gas (SUE QL–C)
- Tree Line
- Telecom MH
- Storm Sewer MH
- Elec Trans / Jnct Box
- Fire Hydrant
- GV — Gas Valve Cap
- Gas Meter
- GVT — Gas Vent
- Guy Wire Anchor
- LP — Light Pole
- PIV — Post Indicator Valve
- PP — Utility Pole
- CO — Sewer Cleanout
- Sanitary Sewer MH
- T — Telecom Pedestal / Jnct Box
- TV — TV Pedestal / Jnct Box
- Well
- W — Water Meter
- WV — Water Valve Cap
- Concrete Monument
- Ex Property Corner (Desc)
- Computed Point

REVISION #	COMMENTS	BY	DATE

OWNER:

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Topographic Survey

North Carolina	Durham County	City of Durham	
Map Date:	Survey Date(s):		
Drawn By: SCB	Checked By:		
MA Project No.: 0922.005	CAD File: 0922.005.dwg		
Drawing Scale: 1" = 20'	Drawn By: SCB		

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SHEET
1 OF 1

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APPENDIX N

DURHAM

1869

CITY OF MEDICINE

Phase I ESA

CONTRACT: SP-2017-01

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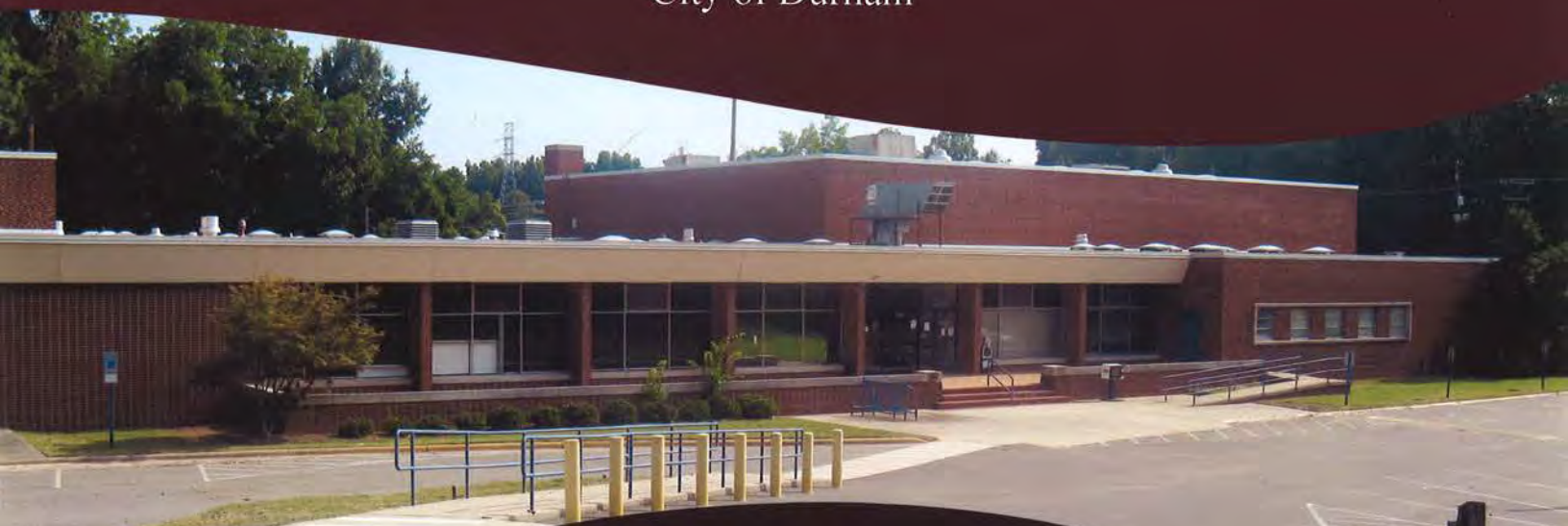
DUKE DIET & FITNESS CENTER

Durham, North Carolina

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

Project Number: BCC-11000
Issue Date: August 26, 2011

Prepared For:
Brown and Caldwell
5410 Trinity Road, Suite 320
Raleigh, North Carolina 27607
on behalf of
City of Durham



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FOR

Brown and Caldwell
5410 Trinity Road, Suite 320
Raleigh, North Carolina 27607
On Behalf Of
City of Durham

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

Duke Diet and Fitness Center
Durham, North Carolina

Issued: **August 26, 2011**

by
EcoEngineering
A division of The John R. McAdams Company
Project No. BCC-11000

NORTH CAROLINA REGISTERED SEAL 7962 ENVIRONMENTAL MANAGER GEORGE H. BUCHHOLZ

NORTH CAROLINA PROFESSIONAL SEAL 1789 WETLAND SCIENTIST GEORGE H. BUCHHOLZ

George Buchholz, REM, PWS
Environmental Scientist

Signature

James M. Halley, PE
Senior Project Manager

Signature

American Society for Testing and Materials Practice E 1527-05
Phase I Environmental Site Assessment

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Building Permit Search
Limited Chain of Title Search

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1.0 EXECUTIVE SUMMARY

1.1 Introduction

EcoEngineering has performed a Phase I Environmental Site Assessment (Phase I ESA) in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) Practice E 1527-05, and those discussed herein. This Phase I ESA has been completed for an approximately 9.12 acre parcel of land located at 808 West Trinity Avenue within the central section of Durham County, North Carolina (hereinafter referred to as "subject property"). The subject property is located at the intersection of West Trinity Avenue and North Duke Street in the City of Durham (PIN Number 0822-20-81-4223) and is currently owned by Duke University – Office of Real Estate Administration. This Phase I ESA has been completed for the possible land acquisition by the City of Durham so that a proposed regional stormwater management facility may be constructed at the subject property. As part of the proposed project, the existing building may be demolished and removed from the subject property.

Figure 1 (Site Vicinity Map) located in Appendix A depicts the location of the subject property. Figure 2 (Site Map) located in Appendix A depicts the subject property and the results of the field investigation. Photographs of the subject property are located within Appendix B. Interviews with individuals knowledgeable of the subject property are located within Appendix C. Information regarding fire insurance maps and city abstracts are located within Appendix D. Regulatory records review, historical aerial photographs, historical topographic maps, and public document summaries are located in Appendix E. Qualifications of the individuals which prepared this report are located within Appendix F. The Phase I ESA is being conducted for Brown and Caldwell (Attn: Mr. Mike Fowler, Design Lead) on behalf of the City of Durham.

1.2 Findings and Conclusions

Based on a review of "reasonably ascertainable" and "practically reviewable" information including: historical, physical setting and environmental record sources, interviews with persons knowledgeable of the subject property, and an on-site visual inspection of the subject property; this assessment has revealed the following "recognized environmental conditions" (defined in Section 2.1) on or adjoining the subject property:

- One brick building is located on the subject property and access to the structure was not granted; and therefore, investigations did not include a review within the interior of the structure. As part of the proposed project, the existing building may be demolished and removed from the subject property. Sampling and testing of physical media as well as any assessment of asbestos or lead based paint were not conducted as part of this Phase I ESA investigation. Due to the age of the existing building, it is assumed asbestos containing materials or lead based paint may be present. It is recommended that samples from the existing building be tested for asbestos and/or lead based substances. If asbestos and or lead based paint are determined to be present, it is recommended that these items be disposed of in accordance with all local, state, and federal regulations. Additionally, it is recommended that all debris associated with the structure be disposed of in accordance with all local, state, and federal regulations.
- Solid waste was observed on the subject property. A mound of fill dirt which contains large pieces of asphalt was observed adjacent to South Ellerbe Creek within the central section of the subject property. Thick vegetation surrounds this area; and therefore, it was difficult to ascertain the different types of solid waste items within this area. Vegetation surrounding the solid waste items did not appear to be stressed, nor was there visible staining due to petroleum or paint solvent. It is recommended these items be removed and disposed of in accordance with all local, state, and federal regulations.

- One pole mounted transformer located along West Trinity Avenue and one ground mounted transformer located adjacent north central section of the building were observed on the subject property. Non-PCB labels were not observed on either of the transformers. The transformers appeared to be structurally sound and no evidence of leaks were observed. It is believed they do not represent an impairment to the subject property.
- There were three (3) areas in which polyvinyl chloride (PVC) pipes protruding from the ground were observed. A PVC pipe was observed adjacent to the southwestern corner of the brick structure. This PVC pipe appears to be associated with the pool located within the existing brick structure. Two PVC pipes were located within central section of the subject property which is fenced off. These pipes appear to be associated with a drainage culvert located approximately five (5) feet below the soil surface. It is recommended that the source and intended use of the PVC pipes be identified prior to any new construction activities at the subject property.
- One (1) 500 gallon propane above ground storage tank (AST) was observed adjacent to the northwestern corner of the subject property. The AST was detached and appeared un-operable. It is recommended the AST be removed and disposed of in accordance with all local, state, and federal regulations.
- Information from "standard environmental record sources", as specified by ASTM Practice E-1527-05, indicate several incidents or facilities which are considered to be "recognized environmental conditions" that are located within the drainage area of the subject property. These incidents or facilities are detailed in Section 4.3 below and are provided within Appendix E (Regulatory Records and Public Documents).

1.3 Recommendations

The subject property is developed with a brick building and associated parking areas. It should be noted that this investigation did not include a review within the interior of the structure and testing of physical media or sampling was not conducted. Based on this investigation, there may be items located on the subject property which could contain asbestos or lead based paint. It is our professional opinion; sampling of these items may be desired. If asbestos and or lead based paint are determined to be present, these items should be removed and disposed of in accordance with all local, state, and federal regulations. Additionally, the structure may be demolished; and therefore, all debris material associated with the structures removal should be disposed of in accordance with all local, state, and federal regulations.

Based on information from standard environmental record sources, there are several incidents or facilities which are considered to be "recognized environmental conditions" that are located within the drainage area of the subject property. Additionally, there is a mound of fill dirt adjacent to South Ellerbe Creek which contains large pieces of asphalt. This Phase I ESA cannot determine the existence of soil or groundwater contamination at the subject property. If soil or groundwater contamination is encountered on the subject property during construction, all local, state, and federal regulations pertaining to such contamination shall be followed.

2.0 INTRODUCTION

2.1 Purpose and Scope

The purpose of this Phase I ESA was to identify, to the extent feasible, "recognized environmental conditions" in connection with the subject property pursuant to ASTM Practice E-1527-05. The term "recognized environmental conditions" (REC) is defined in ASTM Practice E-1527-05 at Section 1.1.1 as:

> "...the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies."

This Phase I ESA was designed to address the "innocent landowner" defense provision of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980 and "all appropriate inquiry" in preparation of "due diligence" investigations under the Superfund Amendments and Reauthorization Act (SARA) of 1986.

2.2 Subject Property Description

The subject property is approximately 9.12 acres in size and is currently owned by Duke University – Office of Real Estate Administration (PIN Number 0822-20-81-4223). The subject property is located at 808 West Trinity Avenue which is at the intersection of West Trinity Avenue and North Duke Street in the City of Durham, North Carolina.

The subject property is located approximately one (1) mile south of the intersection of Interstate 85 and North Duke Street and approximately one (1) mile north of the intersection of State route 147 and South Duke Street. Access to the subject property can be achieved by use of West Trinity Avenue. The subject property contains a building (Appendix B, Photograph #1), parking facilities and maintained grass areas (Appendix B, Photographs #2 and #3), and power line easements, a nature trail, and forested areas (Appendix B, Photograph #4). The subject property is bound to the south by West Trinity Avenue, to the east by a Norfolk and Southern Railway, to the north by a utility easements and power substations (Appendix B, Photographs #5), and to the west by North Duke Street and residential areas along Harper Place.

2.3 Process, Procedures, and Methodologies

An ASTM Phase I ESA has four components: 1) a records review, entailing the examination of federal, state, and local records pertaining to recognized environmental conditions within an approximate minimum search distance of the subject property, 2) an on-site visual reconnaissance of the subject property, 3) interviews with the owner(s), occupant(s) and key site manager(s) of the subject property (where applicable), and 4) a report of findings. The purpose of these components is to obtain information identifying recognized environmental conditions within or adjoining the subject property.

Special terms discussed in this report not defined may be found in ASTM Practice E-1527-05 in Section 3.

2.4 Limitations

This Phase I ESA was conducted pursuant to the EcoEngineering, A division of The John R. McAdams Company, Inc. (EcoEngineering) Scope of Services for the subject property and in accordance with ASTM Practice E-1527-05. As set forth in ASTM Practice E-1527-05 at Section 4.5.1:

> "No environmental site assessment can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for recognized environmental conditions in connection with a property, and [this] practice recognize[s] reasonable limits of time and cost."

This investigation only evaluated recognized environmental conditions at the time of the assessment, and does not address conditions at a given time in the future. Site conditions can change over time with variations of on-site and surrounding land use(s). The findings presented in this Phase I ESA report were based on a review of "reasonably ascertainable" and "practically reviewable standard historical, physical setting and environmental record sources," pursuant to ASTM Practice E-1527-05.

This investigation is not definitive and should not be assumed to be a complete or specific definition of all conditions above or below grade. Subsurface conditions may differ from the conditions implied by surface observations or historical sources and can be most reliably evaluated through intrusive techniques which are beyond the scope of this investigation. Information in this Phase I ESA report is not intended to be used as a construction document and should not be used for demolition, renovation, or other construction purposes. EcoEngineering makes no representation or warranty for the past or current operations at the subject property are, or have been, in compliance with applicable federal, state, and local laws, regulations, and codes. This Phase I ESA report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated. Regardless of the findings stated in this Phase I ESA, EcoEngineering is not responsible for consequences or conditions arising from facts not fully disclosed to EcoEngineering during the investigation.

The scope of work for this Phase I ESA excluded all sampling and testing of physical media as well as any assessment of asbestos, lead based paint, natural resources (i.e. wetlands, streams), radon, mold, and lead in drinking water at the subject property. Also excluded was any assessment of circumstances not specified in ASTM Practice E-1527-05 which did not represent recognized environmental conditions but which may impose limitations on the use of the subject property such as land use regulations and local ordinances.

EcoEngineering contacted certain individuals during the course of this Phase I ESA. Written records of communication (ROCs) were generated as a result of each of these contacts. However, only ROCs deemed to contain information pertinent to this Phase I ESA were included in Appendix C of this report. ROCs not included in this report are nonetheless available for review in the RTP office of EcoEngineering during normal business hours.

Uncertainty is inherent in the review of historic aerial photographs, land title records, fire insurance maps, and city directories which are used to corroborate information contained in other standard historical sources. All statements pertaining to the identity of physical features and land uses portrayed in the above referenced resources reviewed for this Phase I ESA are merely inferences based on knowledge of physical features and land uses in existence today within the area portrayed in the photograph, and on previous experience in reviewing aerial photographs.

EcoEngineering photographed general site conditions and each suspected environmental impairment observed on-site as well as on adjoining properties during the site visit. Additional photographs were taken which did not necessarily contain images of existing, potential, or suspected recognized environmental conditions. Only photographs of the general site conditions and typically recognized environmental conditions encountered on the subject property are included in this Phase I ESA report. However, all photographs taken during visual and physical inspection of the subject property are available for viewing in the RTP office of EcoEngineering during normal business hours.

Please note, as set forth in ASTM Practice E-1527-05 in Section 4.6: "An environmental site assessment meeting or exceeding [this] practice and completed less than 180 days previously is presumed to be valid." Any such Phase I ESA older than 180 days is usable only to the extent allowed pursuant to Sections 4.6 and 4.7 of ASTM Practice E-1527-05.

This Phase I ESA represents the professional opinion of EcoEngineering regarding the subjects discussed herein. No warranties are made, either expressed or implied, regarding this Phase I ESA. This Phase I ESA has been prepared for Brown and Caldwell (Attn: Mr. Mike Fowler, Design Lead) on behalf of the City of Durham and is intended solely for his use and, when authorized, his advisors.

3.0 SITE OVERVIEW

3.1 Zoning

According to the Durham County, North Carolina GIS accessed on July 22, 2011, the subject property is zoned as office and institutional (OI[D]).

3.2 Location of Subject Property and Vicinity Characteristics

The subject property is located within the central section of Durham County, North Carolina at the intersection of West Trinity Avenue and North Duke Street which is approximately one (1) mile south of the intersection of Interstate 85 and North Duke Street (Figure 1, Site Vicinity Map). The subject property is located within an area which is primarily residential, office, institutional and commercial land uses.

4.0 RECORDS REVIEW

4.1 Environmental Setting

4.1.1 Topography and Surface Water Drainage

Review of the United States Geological Survey (USGS) Northwest Durham, North Carolina Quadrangle revealed that the subject property contains moderate steep slopes with elevations which range from ± 340 feet to ± 320 feet. The subject property has a topographic gradient which generally slopes north. Surface drainage is generally directed towards the north central portion of the subject property into South Ellerbe Creek. Subsurface drainage is likely to follow surface drainage; however, detailed investigations are needed to confirm direction of flow.

4.1.2 Geological Characteristics

The subject property is located within the Piedmont Physiographic Province of North Carolina. A review of the Ecoregions of North Carolina and South Carolina (Griffith *et al.*, 2002) shows the geology in the area of the subject property is comprised of quaternary to tertiary red sandy

loam to silty clay decomposition residuum, sandstone, conglomerate, mudstone, shale, coal, dikes, and sills within the Triassic Basin. The Triassic Basin has unusual Piedmont geology of unmetamorphosed shales, sandstones, mudstone, silstones, and conglomerates. Soils tend to be clayey with low permeability, and streams will have low base flows. The clay has a high shrink-swell potential which can hinder construction.

The Soil Survey of Durham County, North Carolina (Soil Conservation Service, 1977) lists the soils within the subject property area which are described as follows:

- Chewacla and Wehadkee soils – somewhat poorly drained, located on floodplains, moderate permeability

4.1.3 Hydrogeological Characteristics

Review of the Hydrogeologic Framework and Ground Water Conditions in the North Carolina (Lautier, J.C. 2003) revealed the presence of the following major aquifers in the vicinity of the subject property: Upper Cape Fear aquifer, surficial aquifer, and fractured bedrock aquifer.

Apparent groundwater flow patterns in the region encompassing the subject property, as ascertained through a review of the USGS Northwest Durham, North Carolina Quadrangle, suggests the subject property generally drains north into South Ellerbe Creek. Subsurface drainage is likely to follow surface drainage; however, detailed investigations are needed to confirm direction of flow. According to the Soil Survey of Durham County, North Carolina, the average depth to groundwater in the vicinity of the subject property is more than six feet.

4.2 Use and Operational History of Subject Property and Surrounding Area

4.2.1 Chain of Title

A limited title search was conducted by EcoEngineering for the subject property. A summary of title documentation reviewed for the subject property is included in Appendix E. A review of this information revealed the subject property is currently under the ownership of Duke University – Office of Real Estate Administration. Based on the records review, there was no historical industrial ownership which would indicate a use of petroleum products or hazardous substances within the subject property.

4.2.2 Aerial Photographs

Aerial photographs reviewed for this Phase I ESA were provided by Environmental Data Resources, Inc. (EDR) for the years of 2008, 2006, 2005, 2002, 1998, 1993, 1983, 1980, 1977, 1972, and 1961 and are located in Appendix E. A summary of findings is as follows:

2008: A review of this photograph reveals the subject property is contains a building, parking facilities, maintained grass areas, a stream located along the western property boundary, and forested areas. Adjacent to the north are utility easements and power substations, to the east by a rail road and residential areas, and to the south and west by a mixture of residential, commercial, and industrial developments.

2006: Review of this photograph reveals the subject property and adjoining properties to be similar to the 2008 photograph.

2005: Review of this photograph reveals the subject property and adjoining properties to be similar to the 2006 photograph.

2002: Review of this photograph reveals the subject property and adjoining properties to be similar to the 2005 photograph.

1998: Review of this photograph reveals the subject property and adjoining properties to be similar to the 2005 photograph.

1993: Review of this photograph reveals the subject property and adjoining properties to be similar to the 1998 photograph.

1983: Review of this photograph reveals the subject property and adjoining properties to be similar to the 1993 photograph with the following exceptions: there are less maintained grass areas on the subject property.

1980: Review of this photograph reveals the subject property and adjoining properties to be similar to the 1983 photograph with the following exceptions: the power substations located to the north of the subject property are not present.

1977: Review of this photograph reveals the subject property and adjoining properties to be similar to the 1980 photograph.

1972: Review of this photograph reveals the subject property and adjoining properties to be similar to the 1977 photograph with the following exceptions: there is less commercial and industrial development and more residential development within the vicinity of the subject property.

1961: Review of this photograph reveals the subject property and adjoining properties to be similar to the 1972 photograph.

4.2.3 Fire Insurance Maps

A Sanborn fire insurance map search was conducted for the subject property by EDR (Appendix D, EDR, 2011b). The search revealed fire insurance maps for the years of 1937, 1950 and 1979. The 1937 and 1950 fire insurance maps revealed the subject property was primarily undeveloped and contained a ball park with a small clubhouse structure and two streams. Located to the south along West Trinity Street is the Erwin Cotton Mills manufacturing plant and to the southeast a Liggett & Myers Tobacco Company warehouse. To the east, west and north are a combination of residential and undeveloped areas. The 1979 fire insurance map revealed the subject property contains only one (1) stream and is developed with a YMCA which includes a gym and swimming pool area. The Erwin Cotton Mills manufacturing plant is now an apartment complex known as the Duke Tower Apartments. The building located to the southeast is no longer labeled as the Liggett & Myers Tobacco Company warehouse, but now appears to be a vacant building. To the east, west and north are a combination of residential and undeveloped areas. A copy of the fire insurance search report (Sanborn Map Report) is located in Appendix D.

4.2.4 City Directory Abstract

A city directory abstract search was conducted for the subject property by EDR (Appendix D, EDR, 2011c). The search revealed that in 1983 the subject property was owned by the Dietary Rehabilitation Center and from 1958 to 1969 by the YMCA. The records indicate from 1940 to 1954 the subject property was owned by the City of Lyceum Recreation Center. The records indicate from 1920 to 1930 Pearl Cotton Mills was the owner of the subject property.

4.2.5 Historical Topographic Maps

Historical topographic maps for the USGS Durham, Durham North, Northwest Durham, Durham South, and Southwest Durham, North Carolina Quadrangles reviewed for this Phase I ESA were provided by EDR for the years of 1943, 1944, 1951, 1973, 1980, 1981, 1987, 1993, 1999, and 2002 (Appendix E, EDR, 2011d). In summary, the USGS maps revealed the subject property is located within a highly developed section of the City of Durham and contains tributary to Ellerbe Creek. Drainage on the subject property appears to be within the tributary to Ellerbe Creek and then north.

4.2.6 Environmental Liens or Activity and Use Limitations

Information was not provided by Duke University – Office of Real Estate Administration regarding environmental liens or activity and use limitations for the subject property. An environmental lien search was conducted for the subject property by EDR (Appendix D, EDR, 2011g). The search revealed that environmental liens or other activity use limitations associated with the subject property could not be found.

4.2.7 Specialized Knowledge

Duke University – Office of Real Estate Administration provided no specialized knowledge regarding recognized environmental conditions associated with the subject property.

4.2.8 Valuation Reduction for Environmental Issues

Duke University – Office of Real Estate Administration provided no information regarding valuation reduction for environmental issues associated with the subject property.

4.2.9 Valuation Reduction for Environmental Issues

Building permits for subject property and adjoining properties were reviewed for this Phase I ESA and were provided by EDR (Appendix E, EDR, 2011f). In summary, building permits were not found for the subject property and a review of building permits for the adjoining properties did not reveal large scale petroleum production or hazardous waste usages

4.2.10 Summary of Findings

The subject property is approximately 9.12 acres in size and is currently owned by Duke University – Office of Real Estate Administration. The subject property contains a building, parking facilities, maintained grass areas, and power line easements, a nature trail, and forested areas. The records review does not indicate large scale petroleum product or hazardous waste usage at the subject property. According to the records reviewed, it appears the subject property is located within a highly urbanized area of the City of Durham. The Soil Survey of Durham County, North Carolina (Soil Conservation Service, 1977) shows one intermittent stream feature located along the western property boundary and another located within the eastern section of the subject property. The 1979 fire insurance map revealed the subject property contains only one (1) stream and is developed with a YMCA which includes a gym and swimming pool area. The 1937 and 1950 fire insurance maps revealed the subject property was primarily undeveloped and contained a ball park with a small clubhouse structure and two streams. The 1961 historical aerial shows the subject property contained a building and parking areas in the southern section. Therefore, the building on the subject property was between 1950 and 1961 and since at least 1979 there has been only one stream feature located along the western property boundary.

It should be noted that between the years of 1937 and 1950 an Erwin Cotton Mills manufacturing plant was located to the south along West Trinity Street and a Liggett & Myers Tobacco Company warehouse was located to the southeast of the subject property.

4.3 Regulatory Agency Inquiries

Information from the following "standard environmental record sources", as specified by ASTM Practice E-1527-05, was provided by EDR (Appendix E, EDR, 2011a). Any incident or facility identified within its approximate minimum research distance is, by definition, a recognized environmental condition (ASTM Section 1.1.1). These records were reviewed by EcoEngineering

to identify past activities which could potentially result in recognized environmental conditions at the subject property or within an "approximate minimum search distance" from the center of the subject property, as specified in ASTM Practice E-1527-05:

Standard Environmental Record Sources	Search Distance (miles)	Record Listings
FEDERAL		
Federal Emergency Response Notification System Spills (**ERNS**)	Subject Property	0
Resource Conservation and Recovery Act Information System (**RCRIS**)	Subject Property and Adjoining Property	0
Environmental Protection Agency (**EPA**) Comprehensive Environmental Response, Compensation and Liability Information System (**CERCLIS**)	0.5	1
National and State Priorities Lists (**NPL**)/Superfund Sites and State equivalents	1.0	1
RCRA Subtitle D Landfills	1.0	0
RCRA Non-Gen	1.0	0
STATE		
Registered Underground Storage Tanks (**USTs**)	Subject Property and Adjoining Property	5 within 0.25 miles, none on subject property or to adjacent property
Leaking Underground Storage Tanks (**LUSTs**)	0.5	50
Leaking Aboveground Storage Tanks (**LASTs**)	0.5	8
State Brownfields	0.5	1
State Hazardous Waste Sites (**SHWS**)	1.0	5
Incident Management Database (**IMD**)	0.5	37

These databases contain the names and/or locations of reported hazardous waste sites, treatment/storage/disposal (TSD) facilities, pollution and hazardous waste spills (including LUSTs), and landfills in North Carolina. Review and mapping of the database information provided by EDR, coupled with review of files at the North Carolina Department of Environmental and Natural Resources (NCDENR), revealed the following entries within the respective approximate minimum search distances of the subject property (Appendix E). The findings of the file review are summarized below.

The subject property was not listed in any of the databases searched by EDR.

Federal Records Review: The following is a description and summary of the federal records reviewed.

- The ERNS database is maintained by EPA and contains information on reported releases of hazardous substances and petroleum products. This information is compiled from reports made to the EPA, U.S. Coast Guard, National Response Center, and/or the U.S. Department of Transportation. Review of this database revealed the following entries:

  NONE FOUND

- The EPA's RCRIS database is a compilation of facilities which report the generation of hazardous waste (large or small quantity generators), and facilities which transport/store/dispose of hazardous waste (TSD). Small quantity generators are classified as facilities which generate between 100 and 1,000-kilograms per month of hazardous waste, or meet other applicable requirements of RCRA. Review of this database revealed the following entries:

  NONE FOUND

- The EPA's CERCLIS database is a compilation of sites which the EPA has investigated or is currently investigating for a release or threatened release of hazardous substances pursuant to CERCLA/NPL. Review of this database revealed the following entries:

Listing	**Distance/Direction**
Army Recerve XVIII Airborne Co **724 Foster Street** **Durham, NC**	**SSE 0.25 – 0.5 mi.**

This listing is a federal facility which does not generate hazardous waste but may contain hazardous waste items. It is listed as having a leaking underground storage tank; however, no groundwater was contaminated due to the incident. This listing is located up gradient of the subject property.

- The EPA's NPL/Superfund database is a compilation of sites which contains locations of uncontrolled and unregulated hazardous waste sites. Review of this database revealed the following entries:

Listing	**Distance/Direction**
Liggett & Myers Tobacco Co **No address provided**	**SW 0.5 – 1 mi**

No information is provided for this listing; however, according to the 1937 and 1950 Sanborn fire insurance map (see Section 4.2.3) there was a former warehouse of Liggett & Myers Tobacco located approximately 500 feet east of the subject property along West Trinity Avenue.

- The RCRA Subtitle D Landfills database is maintained by EPA and contains names and locations of solid waste landfills, incinerators, and transfer stations regulated under RCRA Subtitle D. Review of this database revealed the following entries:

  NONE FOUND

- The RCRA Non-Gen database is maintained by EPA and provides access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by RCRA. Non-Generators do not presently generate hazardous waste.

  NONE FOUND

State Records Review: The following is a description and summary of the state records reviewed.

- The UST database, regulated under Subtitle I of RCRA, must be registered with the state agency responsible for administering the UST program. In North Carolina, the NCDENR maintains the

database of all registered USTs in the state. A review of this database revealed (5) five entries within 0.25 miles of the subject property, of which, (1) one example is provided below:

Listing	Distance/Direction
Trinity Food Mart **403 West Trinity Avenue** **Durham, NC**	**SE 0.12 – 0.25 mi**

This listing contained three (3) gasoline underground storage tanks which were all permanently closed as a result of leaks from each of the USTs and is listed within the LUST database.

- The LUST database, maintained by the NCDENR, contains information on all known or suspected LUSTs in the state. Review of this database and of pollution report files at the NCDENR revealed that there 50 entries within 0.5 miles of the subject property. Detailed information is contained within the Radius Map Report prepared by EDR (Appendix E, EDR, 2011a). In summary, 39 listings have been closed out, two (2) require additional follow up to the incident, and nine (9) require additional response to the incident.

- The LAST database, maintained by the NCDENR, contains information on all known or suspected leaking aboveground storage tanks in the state. Review of this database and of pollution report files at the NCDENR revealed that there are eight (8) entries within 0.5 miles of the subject property. Detailed information is contained within the Radius Map Report prepared by EDR (Appendix E, EDR, 2011a). In summary, four (4) listings have been closed out, two (2) require additional follow up to the incident, and two (2) require additional response to the incident.

- The State Brownfields database, maintained by the NCDENR, contains the names and locations of solid waste landfills, incinerators and transfer stations. Review of this database revealed the following entries:

Listing	Distance/Direction
NU-Tread Tire Company, Inc. **545 Foster Street** **Durham, NC**	**SSE 0.25 – 0.5 mi**

  This listing on January 16, 2007 reported petroleum leaking underground which contaminated the groundwater.

- The State Hazardous Waste Sites, maintained by the NCDENR, contains records which are the state's equivalent to federal CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds are identified along with sites where cleanup will be paid for by potentially responsible parties. Review of this database and of pollution report files at the NCDENR revealed (5) five entries within one (1) mile of the subject property. Detailed information is contained within the Radius Map Report prepared by EDR (Appendix E, EDR, 2011a). In summary, two (2) listings generate hazardous waste and three (3) may not generate hazardous waste but may contain hazardous waste items.

- The Incident Management database, maintained by the NCDENR, contains information on all known or suspected incidents reported in the state. Review of this database and of pollution report files at the NCDENR revealed 37 entries within 0.5 miles of the subject property. Detailed information is contained within the Radius Map Report prepared by EDR (Appendix E, EDR, 2011a). In summary, 22 listings have been closed out, seven (7) require additional follow up to the incident, and eight (8) require additional response to the incident.

5.0 SITE RECONNAISSANCE

5.1 Method

The subject property was visually inspected by Mr. George Buchholz, Environmental Scientist with EcoEngineering on July 25, 2011. Adjoining properties were viewed from the subject property as well as from public thoroughfares. Records reviewed for the subject property were those reasonably ascertainable, practically reviewable, standard, and historical. Information was obtained and compiled through prior review of environmental record sources, as well as personal interviews, and telephone interviews and used to plan the on-site visual reconnaissance of the subject property.

The subject property was inspected by first walking the property boundaries, then walking several transects through the site. All present and/or former roads and trails, if identifiable, were inspected for evidence of dumping. Reasonable efforts were made to identify evidence of aboveground and underground storage tanks and ancillary equipment on the subject property. "Reasonable efforts" were limited to observation of accessible areas, review of referenced public records, and interviews. These methods may not identify subsurface equipment or evidence hidden from view by things such as, but not limited to, snow cover, paving, construction activities, stored materials, plant debris, leaf litter, and landscaping.

5.2 Limitations of Site Reconnaissance

The subject property contains a building (Appendix B, Photograph #1) which was not accessed; and therefore, the interior of the building as not visually inspected. As part of the proposed project, the existing building may be demolished and removed from the subject property.

There are forested areas (Appendix B, Photograph #4) and a stream feature, South Ellerbe Creek, located along the western property boundary of the subject property. Thick vegetation may have precluded a complete visual inspection.

5.3 Past and Current Use of the Subject Property

The subject property is currently developed with a building (Appendix B, Photograph #1), parking facilities and maintained grass areas (Appendix B, Photographs #2 and #3), and power line easements, a nature trail, and forested areas (Appendix B, Photograph #4).

Based on a review of historical aerial photos (Section 4.2.2) and fire insurance maps (Section 4.2.3), the subject property was cleared and contained baseball fields prior to 1972. The subject property was developed with a building, parking facilities, and maintained grass since at least 1972. Currently, Duke University owns the subject property and utilizes it as a diet and fitness center.

5.4 Exterior Observations on the Subject Property

5.4.1 Structures

One brick building (Appendix B, Photograph #1) was observed on the subject property. Access to the structure was not granted; and therefore, investigations did not include a review within the interior of the structure. The structure was built during the 1970's; therefore, it is likely that some of the construction materials may contain lead or asbestos. There is a HVAC system (Appendix, Photograph #10) located at the northwestern corner of the building which appeared to be operating and no visible leaks were observed from it. There is a natural gas line which is

within the north central section of the building. There is also a ground transformer (Appendix B, Photograph #11) adjacent to the north central section of the building. No visible leaks were observed from the transformer. There is a pipe and pump system (Appendix B, Photograph #12) located adjacent to the building at the northwestern corner is associated with the pool within the building. No visible leaks were observed from the pipe and pump system. There is a concrete pad and an asphalt pad (Appendix B, Photograph #16) located within the northeastern section of the subject property. Manholes, pipe caps, or pipes were not observed within either the concrete pad or the asphalt pad.

5.4.2 Thoroughfares and Parking Areas

The subject property is located at the intersection of West Trinity Avenue and North Duke Street. Entrance to the subject property can be achieved from West Trinity Avenue. The subject property contains parking facilities within the southern section around the brick building.

5.5 Substance Storage

5.5.1 Containers

Several twelve (12) ounce glass and aluminum containers were observed scattered within the northeastern section of the subject property and are noted as "solid waste debris" on Figure 2. Site Map (Appendix A).

5.5.2 Underground Storage Tanks (USTs) and Aboveground Storage Tanks (ASTs)

No evidence of USTs (i.e., fills ports or vent pipes) were observed during the on-site inspection.

There were three (3) areas in which polyvinyl chloride (PVC) pipes were observed protruding from the ground. A PVC pipe was observed adjacent near the southwestern corner of the building (Appendix B, Photograph #6). This PVC pipe appears to be associated with the pool located within the brick structure. Two PVC pipes were located within the fenced area which is located within central section of the subject property (Appendix B, Photographs #7, and #8). These pipes appear to be associated with a drainage culvert located below the soil surface.

One (1) 500 gallon propane AST (Appendix B, Photographs #9) was observed adjacent to the northwestern corner of the building. The AST was detached and appeared un-operable. There was no visible leaks or stressed vegetation within the immediate vicinity of the AST.

5.5.3 Polychlorinated Biphenyls (PCBs)

One pole mounted transformer (Appendix B, Photograph #13) located along West Trinity Avenue and one ground mounted transformer (Appendix B, Photograph #11) located adjacent north central section of the building were observed on the subject property. Non-PCB labels were not observed on either of the transformers. The transformers appeared to be structurally sound and no visible leaks were observed.

5.5.4 Solid Waste

Solid waste in the form of wooden planks, a car seat, glass bottles, aluminum cans, asphalt, and metal strips were observed on the subject property. A mound of fill dirt which contains large pieces of asphalt (Appendix B, Photograph #14) was observed adjacent to South Ellerbe Creek within the central section of the subject property. Thick vegetation surrounds this area; therefore, it was difficult to ascertain the different types of solid waste items within this area.

There are metal strips (Appendix B, Photograph #15) located within the stream bank of South Ellerbe Creek within southwestern section of the subject property.

5.5.5 Pools of Liquid

No contaminated pools of liquid were observed within the subject property during the on-site inspection.

5.5.6 Odors and Visible Emissions

No odors and/or visible emissions were observed within the subject property during the on-site inspection.

5.6 Stained Soil, Flora or Pavement

No stained soil and/or flora were observed within the subject property during the on-site inspection.

5.7 Stressed Vegetation or Dead Animals

No stressed vegetation and/or dead animals were observed within the subject property during the on-site inspection.

5.8 Waste Water

No waste water discharges were observed within the subject property during the on-site inspection.

5.9 Pits, Ponds or Lagoons

No pits, ponds, or lagoons were observed within the subject property during the on-site inspection.

5.10 Wells

No wells were observed within the subject property during the on-site inspection.

5.11 Interior Utilities and Equipment

The subject property contains a building which was not accessed; and therefore, the interior of the building as not visually inspected.

5.12 Past and Current Uses of Properties Adjoining the Subject Property

The adjoining properties were visually inspected from the subject property and from public thoroughfares. Review of readily available and reasonably ascertainable standard, historical, environmental, and physical setting sources revealed that past and current uses of adjoining properties included residential, commercial, and industrial land uses. The adjoining properties do not appear to represent impairment to the subject property.

5.13 Phase I ESA Site Map

A Site Map (Appendix A, Figure 2) of the subject property is included depicting all recognized environmental conditions observed during site reconnaissance or uncovered through records review.

6.0 INTERVIEWS

Phase I Environmental Site Assessment Questionnaires were completed by the following individuals:

- Mr. John McCall, Operations Director – Duke Diet and Fitness Center

This individual was provided a Phase I Environmental Site Assessment Questionnaire in accordance to ASTM Practice E-1527-05. The questionnaire was prepared by this individual on August 1, 2011 and submitted to EcoEngineering. The completed questionnaire is contained in Appendix C. A Review of this questionnaire revealed the following:

- Mr. John McCall has been associated with the property for 5 years. To the best of his knowledge, the subject property has not been used for industrial use, as a gasoline station, motor repair facility, dry cleaners, photo developing laboratory, junkyard, landfill, waste treatment facility, storage facility, disposal facility, processing facility, or recycling facility. To the best of his knowledge, the subject property has not contained industrial waste nor has contained industrial drums, contaminated fill dirt, or underground storage tanks.

- Ms. Tina Leiter, Facility Manger– Duke Diet and Fitness Center

This individual was provided a Phase I Environmental Site Assessment Questionnaire in accordance to ASTM Practice E-1527-05. The questionnaire was prepared by this individual on July 29, 2011 and submitted to EcoEngineering. The completed questionnaire is contained in Appendix C. A Review of this questionnaire revealed the following:

- Ms. Tina Leiter has been associated with the property for 10 years. To the best of her knowledge, the subject property has not been used for industrial use, as a gasoline station, motor repair facility, dry cleaners, photo developing laboratory, junkyard, landfill, waste treatment facility, storage facility, disposal facility, processing facility, or recycling facility. To the best of her knowledge, the subject property has not contained industrial waste nor has contained industrial drums, contaminated fill dirt, or underground storage tanks.

7.0 REFERENCES

ASTM, "Standard Practice for Environmental Site Assessments: Phase I ESA Property Assessment Process", ASTM Designation E 1527-05.

Environmental Data Resources, Inc. (EDR), 2011a, Radius Map Report No. 3128960.2s, dated July 21, 2011.

Environmental Data Resources, Inc. (EDR), 2011b, Sanborn Map Report No. 3128960.3, dated July 21, 2011.

Environmental Data Resources, Inc. (EDR), 2011c, City Directory Abstract No. 3128960.6, dated July 21, 2011.

Environmental Data Resources, Inc. (EDR), 2011d, Historical Topographic Map No. 3128960.4, dated July 21, 2011.

Environmental Data Resources, Inc. (EDR), 2009e, Historical Aerial Photo No. 3128960.5, July 27, 2011.

Environmental Data Resources, Inc. (EDR), 2011f, Building Permit Report No. 3128960.11, dated July 21, 2011.

Environmental Data Resources, Inc. (EDR), 2011g, Environmental Lien Search Report No. 3128960.7, dated July 25, 2011.

Griffith, G.E., Omernik, J.M., Comstock, J.A., Schafle, M.P., McNab, W.H., Lenat, D.R., MacPherson, T.F., Glover, J.B., and Shelburne, V.B., 2002, Ecoregions of North Carolina and south Carolina, (color poster with map, descriptive text, summary tables, and photographs): Reston, Virginia, U.S. Geological Survey (map scale 1:1,500,00).

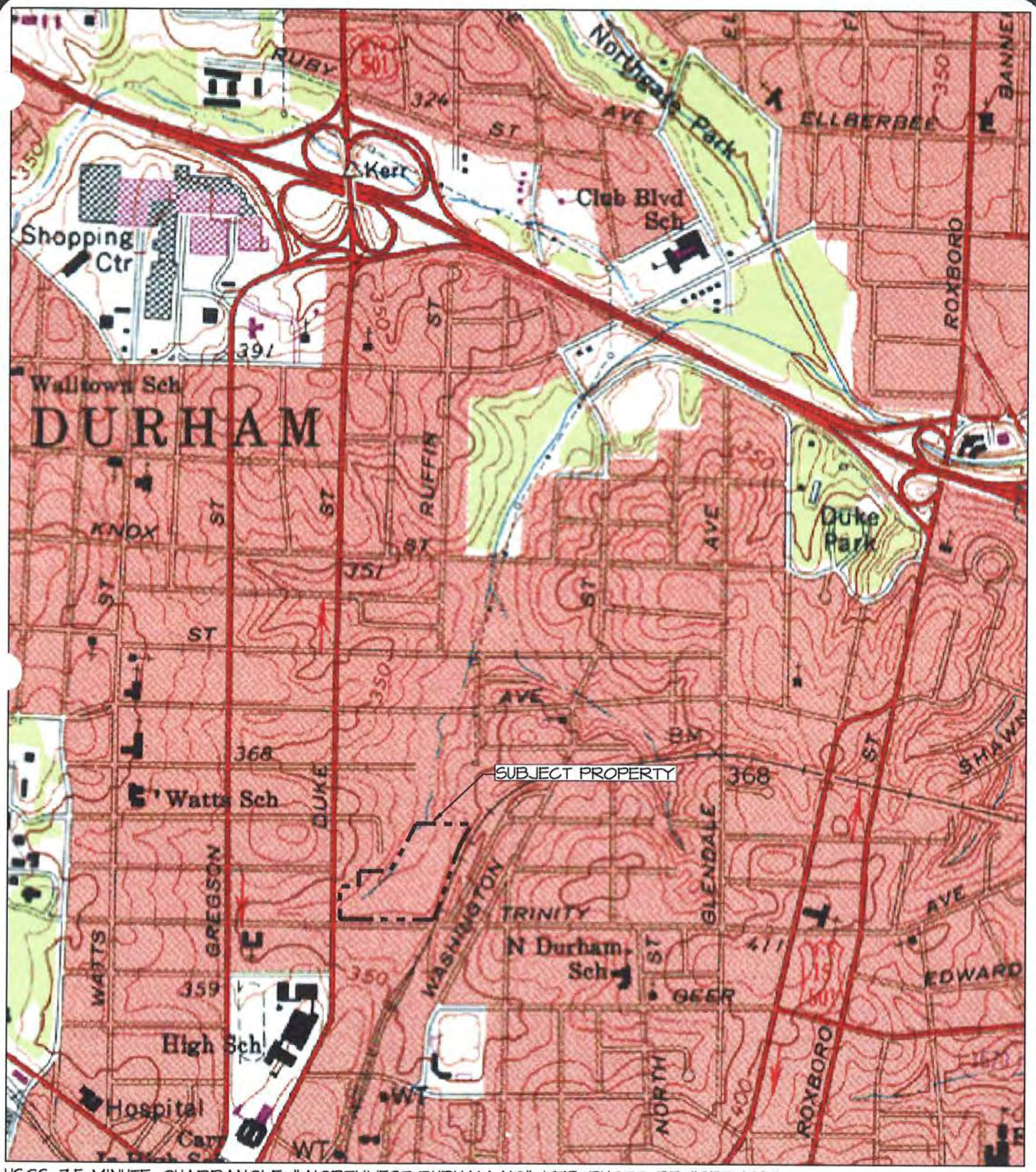
Lautier, J.C. 2003. Hydrogeologic Framework and Ground Water Conditions in the North Carolina Piedmont. North Carolina Department of Environment and Natural Resources, Division of Water Resources, Raleigh, NC.

United States Geological Survey, 7.5 Minute, Topographic Map of the Northwest Durham, North Carolina Quadrangle, 1973.

United States Department of Agriculture, Soil Conservation Service. Soil Survey of Durham County, North Carolina, 1977.

Appendix A

Site Maps



USGS, 7.5 MINUTE, QUADRANGLE, " NORTHWEST DURHAM, NC"; 1973, PHOTO-REVISED 1987
36.0076789°N, 78.9035133°W

FIGURE 1. SITE VICINITY MAP

PROJECT NO.	BCC–11000
FILENAME:	BCC11000X.DWG
SCALE:	1" = 1,000'
DATE:	07–21–11

DUKE DIET & FITNESS CENTER

PHASE I ESA

DURHAM, NORTH CAROLINA

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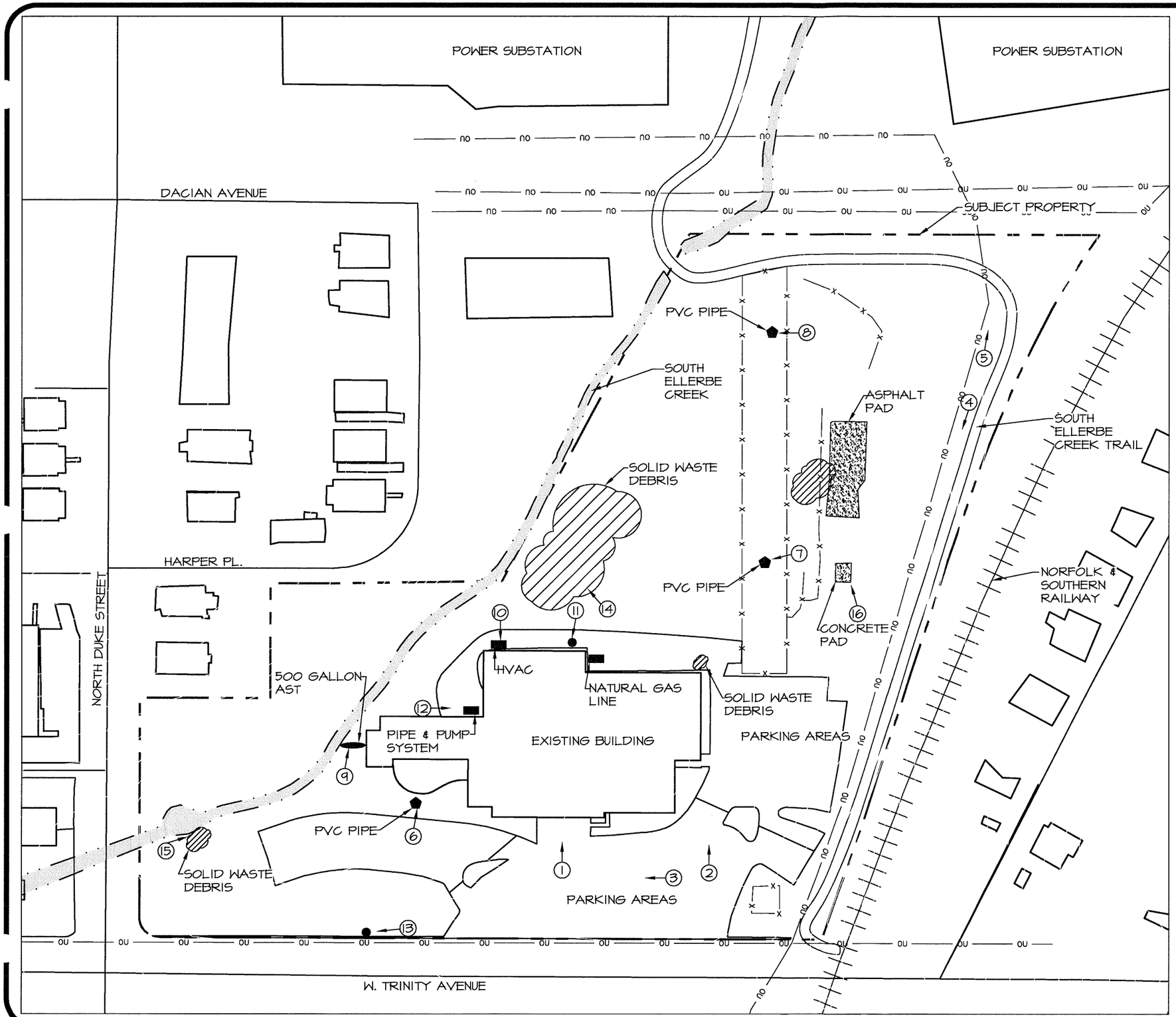

LEGEND

- SUBJECT PROPERTY (APP. 9.12 ACRES)
- FENCE
- CONCRETE & ASPHALT PADS
- OVERHEAD POWERLINE
- STREAM FEATURE (APP. 500 FEET ON SUBJECT PROPERTY)
- PHOTO NUMBER AND DIRECTION
- TRANSFORMER
- SOLID WASTE DEBRIS AREAS
- PVC PIPE WITHIN GROUND
- PROPANE AST
- HVAC, NATURAL GAS LINE, PUMP & PIPE SYSTEM

GRAPHIC SCALE

100 0 50 100 200

1 inch = 100 ft.

FIGURE 2. SITE MAP

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PHASE I ENVIRONMENTAL SITE ASSESSMENT

DURHAM, NORTH CAROLINA

PROJECT NO.	BCC-11000
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SCALE:	1" = 100'
DATE:	07-21-11

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Appendix B

Site Photographs

PHOTO 1. FRONT ENTRANCE TO THE BUILDING LOCATED ON THE SUBJECT PROPERTY.

PHOTO 2. PARKING FACILITIES LOCATED ADJACENT TO THE BUILDING ON THE SUBJECT PROPERTY.

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FILENAME:	BCC11000X.DWG
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PHOTO 3. PARKING FACILITIES AND MAINTAINED GRASS AREAS LOCATED ADJACENT TO THE BUILDING ON THE SUBJECT PROPERTY.

PHOTO 4. SOUTH ELLERBE CREEK TRAIL, OVERHEAD POWERLINE EASMENT AND FORESTED AREAS LOCATED WITHIN EASTERN SECTION OF SUBJECT PROPERTY.

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PHOTO 5. SOUTH ELLERBE CREEK TRAIL, OVERHEAD UTILITY EASEMENTS, AND POWER SUBSTATION LOCATED TO THE NORTH OF THE SUBJECT PROPERTY.

PHOTO 6. PVC PIPE PROTRUDING FROM GROUND WHICH MAY BE ASSOCIATED WITH POOL LOCATED WITHIN THE BUILDING.

PHOTO 7. PVC PIPE PROTRUDING FROM GROUND WHICH MAY BE ASSOCIATED WTIH A DRAINAGE CULVERT LOCATED BELOW GROUND WITHIN THE FENCED AREA.

PHOTO 8. PVC PIPE PROTRUDING FROM GROUND WHICH MAY BE ASSOCIATED WTIH A DRAINAGE CULVERT LOCATED BELOW GROUND WITHIN THE FENCED AREA.

PHOTO 9. ONE (1) 500 GALLON PROPANE AST WAS OBSERVED ADJACENT TO THE NORTHWESTERN CORNER OF THE BUILDING.

PHOTO 10. HVAC SYSTEM LOCATED AT THE NORTHWESTERN CORNER OF THE BUILDING WHICH APPEARED TO BE OPERATING AND NO VISIBLE LEAKS WERE OBSERVED.

PROJECT NO.	BCC–11000
FILENAME:	BCC11000X.DWG
SCALE:	1" = 1,000'
DATE:	07–21–11

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PHOTO 11. GROUND TRANSFORMER ADJACENT TO THE NORTH CENTRAL SECTION OF THE BUILDING. NO VISIBLE LEAKS WERE OBSERVED.

PHOTO 12. PIPE AND PUMP SYSTEM LOCATED ADJACENT TO THE BUILDING AT THE NORTHWESTERN CORNER IS ASSOCIATED WITH THE POOL LOCATED WITHIN THE BUILDING. NO VISIBLE LEAKS WERE OBSERVED.

PROJECT NO.	BCC–11000
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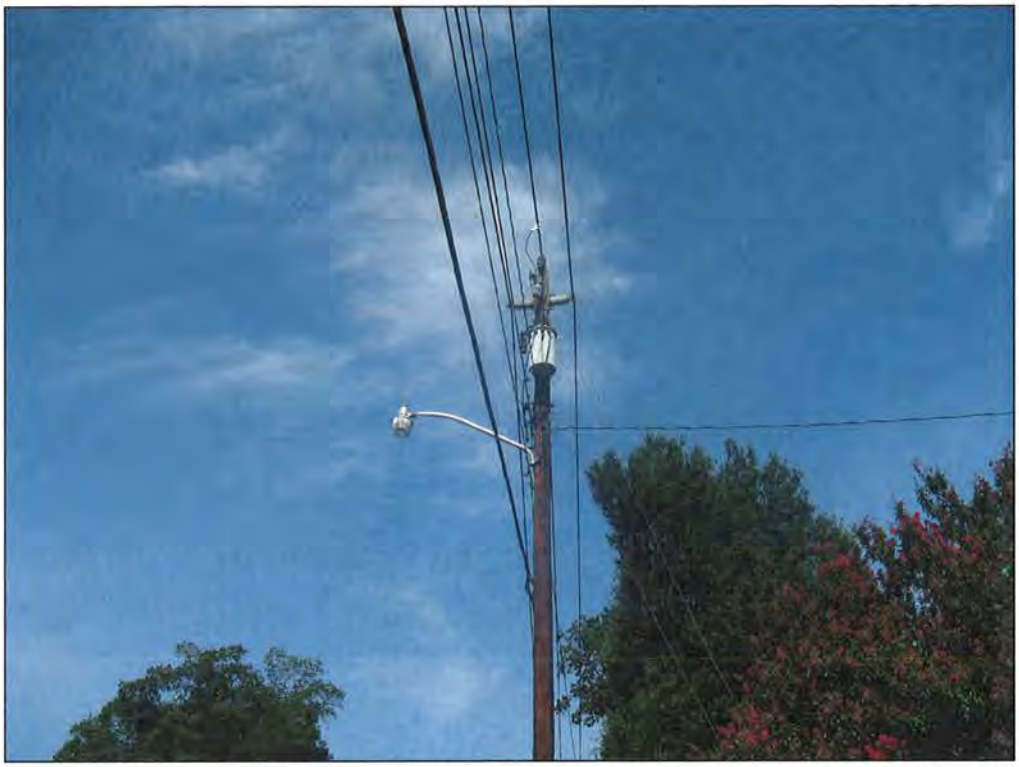

PHOTO 13. POLE MOUNTED TRANSFORMER LOCATED ALONG WEST TRINITY AVENUE. TRANSFORMER APPEARS STRUCTURALLY SOUND AND NO VISIBLE LEAKS WERE OBSERVED.

PHOTO 14. MOUND OF FILL DIRT WHICH CONTAINS LARGE PIECES OF ASPHALT ADJACENT TO SOUTH ELLERBE CREEK WITHIN THE CENTRAL SECTION OF THE SUBJECT PROPERTY.

PHOTO 15. METAL STRIPS LOCATED WITHIN THE STREAM BANK OF SOUTH ELLERBE CREEK WITHIN SOUTHWESTERN SECTION OF THE SUBJECT PROPERTY.

PHOTO 16. CONCRETE PAD IN FOREGROUND AND ASPHALT PAD IN THE BACKGROUND OF THE PHOTO LOCATED WITHIN THE NORTHEASTERN SECTION OF THE SUBJECT PROPERTY.

Appendix C

Phase I Environmental Site Assessment Questionaires

Phase I Environmental Site Assessment Questionnaire

Project Number: BCC-11000
Subject Property Location: 808 West Trinity Avenue, Durham, North Carolina
Project Manager: George Buchholz, REM, PWS; EcoEngineering, A division of the John R. McAdams Company, 2905 Meridian Parkway, Durham North Carolina, office (919)287-4262, mobile (919)475-3874

Date: 8/1/2011
Interviewee Name: JOHN MCCALL
Interviewee Address: 501 DOUGLAS STREET
Interviewee Phone Number 919-684-3563
Relationship with Subject Property: OPERATIONS DIRECTOR - DIET & FITNESS CENTER
Years Associated with Subject Property: 5

Questionnaire: Please answer the following questions to the best of your knowledge by circling either "yes", "no", or "unknown". Please provide details relating to any questions answered "yes" in the space provided. Attach additional sheets or informative documents if necessary.

1a. Did you observe evidence or do you have any prior knowledge that the *subject property* is currently or has been previously used for an **industrial use**? — yes (no) unknown

1b. Did you observe evidence or do you have any prior knowledge that any *adjoining properties* is currently or has been previously used for an **industrial use**? — yes (no) unknown

2a. Did you observe evidence or do you have any knowledge that the *subject property* is currently or has previously been used for any of the following (circle all that apply): — yes (no) unknown

- **gasoline station**
- **motor repair facility**
- **dry cleaners**
- **photo developing laboratory**
- **junkyard or landfill**
- **waste treatment, storage, disposal, processing or recycling facility**

2b. Did you observe evidence or do you have any knowledge that any *adjoining property* is currently or has previously been used for any of the following (circle all that apply):
- **gasoline station**
- **motor repair facility**
- **dry cleaners**
- **photo developing laboratory**
- **junkyard or landfill**
- **waste treatment, storage, disposal, processing or recycling facility**

yes no unknown

3. Did you observe evidence or do you have any knowledge that there are currently or have been previously any damaged or discarded **automotive or industrial batteries, pesticides, paints, or other chemicals** in individual containers > 5 gallons (19 L) in volume or 50 gallons (190 L) in the aggregate, stored on or used at the *subject property*?

yes no unknown

4. Did you observe evidence or do you have any knowledge that there are currently or have been previously any **industrial drums** (typically 55 gal) or sacks of chemicals located on the *subject property*?

yes no unknown

5. Did you observe evidence or do you have any prior knowledge that **fill dirt** has been brought onto the *subject property* **that originated from a contaminated site or is of unknown origin**?

yes no unknown

6. Did you observe evidence or do you have any prior knowledge that there is currently or has been previously any **pits, ponds, or lagoons** located on the *subject property* in connection with waste treatment or waste disposal?

yes no unknown

7. Did you observe evidence or do you have any prior knowledge that there is currently or has been previously any **stained soil** on the *subject property*?

yes no unknown

8. Did you observe evidence or do you have any prior knowledge that there is currently or has been previously any **registered or unregistered storage tanks** (above or underground) located on the *subject property*?

yes no unknown

9. Did you observe evidence or do you have any prior knowledge that there is currently or has been previously any **vent pipes, fill pipes, or access ways** indicating a fill pipe protruding from the ground on the *subject property or adjacent to any structure* on the subject property? yes no unknown

10. Is there currently evidence of **leaks, spill, or staining** by substances other than water, or **foul odors,** associated with flooring, drains, walls, ceilings, or exposed grounds on the *subject property*? yes no unknown

11. If the *subject property* is served by a **private well or non-public water system**, is there evidence or do you have any knowledge that **contaminants** have been identified in the well or system, or that the well has been **designated as contaminated** by any government environmental / health agency? yes no unknown

12. Do you have any knowledge of **environmental liens** or government notification relating to **past or recurrent violations of environmental laws** with respect to the *subject property*? yes no unknown

13. Have you been informed of the current or past existence of **hazardous substances or petroleum products** with respect to the *subject property*? yes no unknown

14. Do you have any knowledge of any **environmental site assessment** of the property or facility that indicated the presence of **hazardous substances or petroleum products on, or contamination** of, the *subject property*, or **recommended further assessment** of the *subject property*? yes no unknown

15. Do you know of any past, threatened, or pending **lawsuits or administrative proceedings** concerning a release or threatened release of any hazardous substance or petroleum products involving the *subject property* by any owner or occupant of the property? yes no unknown

16. Does the *subject property* **discharge waste water** (not including sanitary waste or storm water) onto or adjacent to the property and/or into a storm water system? yes no unknown

17. Do you have any prior knowledge that any **hazardous substances or petroleum products, unidentified waste materials, tires,** automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the *subject property*? yes no unknown

18. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the **presence of PCB's**? yes no unknown

The undersigned represents that to the best of their knowledge the above statements and facts are tru and correct and to the best of his/her knowledge no facts have been suppressed or misstated.

Signature of Interviewee

8/1/2011
Date

Phase I Environmental Site Assessment Questionnaire

Project Number: BCC-11000
Subject Property Location: 808 West Trinity Avenue, Durham, North Carolina
Project Manager: George Buchholz, REM, PWS; EcoEngineering, A division of the John R. McAdams Company, 2905 Meridian Parkway, Durham North Carolina, office (919)287-4262, mobile (919)475-3874

Date: 7/29/11
Interviewee Name: Tina Leiter
Interviewee Address: 501 Douglas Street, Durham NC 27705
Interviewee Phone Number 919-681-8090
Relationship with Subject Property: Facility Manager
Years Associated with Subject Property: 10+ years.

Questionnaire: Please answer the following questions to the best of your knowledge by circling either "yes", "no", or "unknown". Please provide details relating to any questions answered "yes" in the space provided. Attach additional sheets or informative documents if necessary.

1a. Did you observe evidence or do you have any prior knowledge that the *subject property* is currently or has been previously used for an **industrial use**? — yes (no) unknown

1b. Did you observe evidence or do you have any prior knowledge that any *adjoining properties* is currently or has been previously used for an **industrial use**? — yes (no) unknown

2a. Did you observe evidence or do you have any knowledge that the *subject property* is currently or has previously been used for any of the following (circle all that apply): — yes (no) unknown

- **gasoline station**
- **motor repair facility**
- **dry cleaners**
- **photo developing laboratory**
- **junkyard or landfill**
- **waste treatment, storage, disposal, processing or recycling facility**

2b. Did you observe evidence or do you have any knowledge that any *adjoining property* is currently or has previously been used for any of the following (circle all that apply):
- **gasoline station**
- **motor repair facility**
- **dry cleaners**
- **photo developing laboratory**
- **junkyard or landfill**
- **waste treatment, storage, disposal, processing or recycling facility**

yes no unknown

3. Did you observe evidence or do you have any knowledge that there are currently or have been previously any damaged or discarded **automotive or industrial batteries, pesticides, paints, or other chemicals** in individual containers > 5 gallons (19 L) in volume or 50 gallons (190 L) in the aggregate, stored on or used at the *subject property*?

yes no unknown

4. Did you observe evidence or do you have any knowledge that there are currently or have been previously any **industrial drums** (typically 55 gal) or sacks of chemicals located on the *subject property*?

yes no unknown

5. Did you observe evidence or do you have any prior knowledge that **fill dirt** has been brought onto the *subject property* **that originated from a contaminated site or is of unknown origin**?

yes no unknown

6. Did you observe evidence or do you have any prior knowledge that there is currently or has been previously any **pits, ponds, or lagoons** located on the *subject property* in connection with waste treatment or waste disposal?

yes no unknown

7. Did you observe evidence or do you have any prior knowledge that there is currently or has been previously any **stained soil** on the *subject property*?

yes no unknown

8. Did you observe evidence or do you have any prior knowledge that there is currently or has been previously any **registered or unregistered storage tanks** (above or underground) located on the *subject property*?

yes no unknown

9. Did you observe evidence or do you have any prior knowledge that there is currently or has been previously any **vent pipes, fill pipes, or access ways** indicating a fill pipe protruding from the ground on the *subject property or adjacent to any structure* on the subject property? yes no unknown

10. Is there currently evidence of **leaks, spill, or staining** by substances other than water, or **foul odors,** associated with flooring, drains, walls, ceilings, or exposed grounds on the *subject property*? yes no unknown

11. If the *subject property* is served by a **private well or non-public water system**, is there evidence or do you have any knowledge that **contaminants** have been identified in the well or system, or that the well has been **designated as contaminated** by any government environmental / health agency? yes no unknown

12. Do you have any knowledge of **environmental liens** or government notification relating to **past or recurrent violations of environmental laws** with respect to the *subject property*? yes no unknown

13. Have you been informed of the current or past existence of **hazardous substances or petroleum products** with respect to the *subject property*? yes no unknown

14. Do you have any knowledge of any **environmental site assessment** of the property or facility that indicated the presence of **hazardous substances or petroleum products on, or contamination** of, the *subject property*, or **recommended further assessment** of the *subject property*? yes no unknown

15. Do you know of any past, threatened, or pending **lawsuits or administrative proceedings** concerning a release or threatened release of any hazardous substance or petroleum products involving the *subject property* by any owner or occupant of the property? yes no unknown

16. Does the *subject property* **discharge waste water** (not including sanitary waste or storm water) onto or adjacent to the property and/or into a storm water system? yes no unknown

17. Do you have any prior knowledge that any **hazardous substances or petroleum products, unidentified waste materials, tires,** automotive or industrial batteries, or any other waste materials have been dumped above grade, buried and/or burned on the *subject property*? yes no unknown

18. Is there a transformer, capacitor, or any hydraulic equipment for which there are any records indicating the **presence of PCB's**? yes no unknown

The undersigned represents that to the best of their knowledge the above statements and facts are tru and correct and to the best of his/her knowledge no facts have been suppressed or misstated.

Signature of Interviewee

8/1/11
Date

Appendix D

Fire Insurance and City Directory

Duke Diet and Fitness Center
808 West Trinity Avenue
Durham, NC 27701

Inquiry Number: 3128960.3
July 21, 2011

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

7/21/11

Site Name:
Duke Diet and Fitness Center
808 West Trinity Avenue
Durham, NC 27701

EDR Inquiry # 3128960.3

Client Name:
The John R. McAdams Co., Inc.
2905 Meridian Parkway
Durham, NC 27713

Contact: George Buchholz

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by The John R. McAdams Co., Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name:	Duke Diet and Fitness Center
Address:	808 West Trinity Avenue
City, State, Zip:	Durham, NC 27701
Cross Street:	
P.O. #	NA
Project:	BCC-11000
Certification #	8E69-45E8-809F

Sanborn® Library search results
Certification # 8E69-45E8-809F

Maps Provided:

1979
1950
1937

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

✔ Library of Congress
✔ University Publications of America
✔ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1979 Source Sheets

Volume 1, Sheet 39

1950 Source Sheets

Volume 1, Sheet 39

Volume 1, Sheet 42

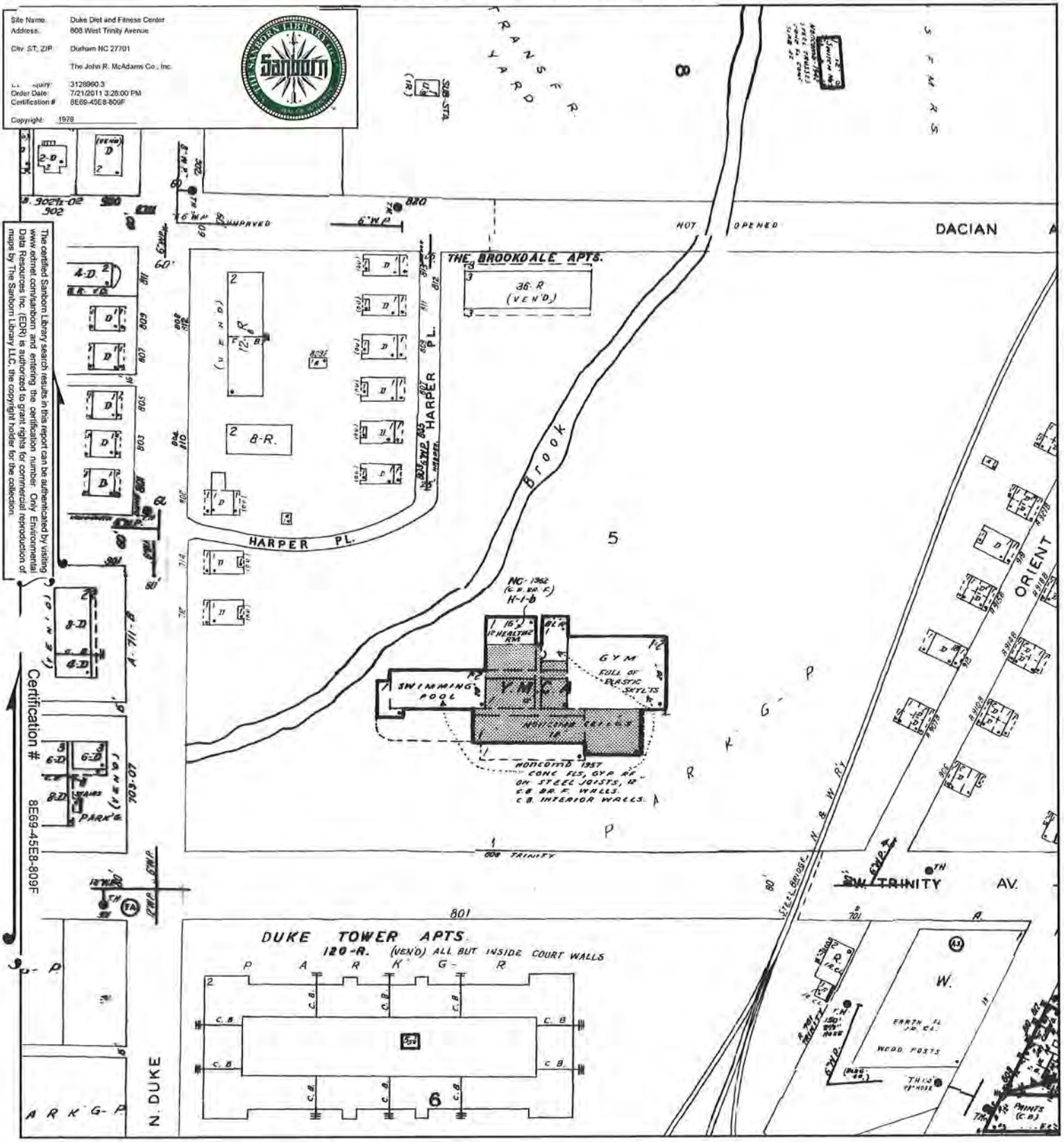
1937 Source Sheets

Volume 1, Sheet 42

Volume 1, Sheet 39

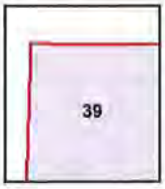
1979 Certified Sanborn Map

Site Name: Duke Diet and Fitness Center
Address: 808 West Trinity Avenue
City, ST, ZIP: Durham NC 27701
The John R. McAdams Co., Inc.
Inquiry: 3128960.3
Order Date: 7/21/2011 3:28:00 PM
Certification # 8E69-45E8-809F
Copyright: 1979



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600



Volume 1, Sheet 39

N

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1950 Certified Sanborn Map

Site Name: Duke Diet and Fitness Center
Address: 808 West Trinity Avenue
City, ST, ZIP: Durham NC 27701
The John R. McAdams Co., Inc.
Inquiry: 3128960.3
Order Date: 7/21/2011 3:28:00 PM
Certification #: 8E69-45E8-809F
Copyright: 1950

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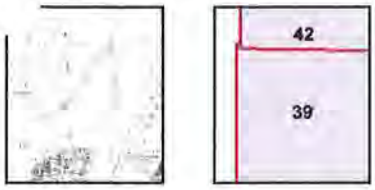
Certification # 8E69-45E8-809F

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

0 Feet 150 300 600

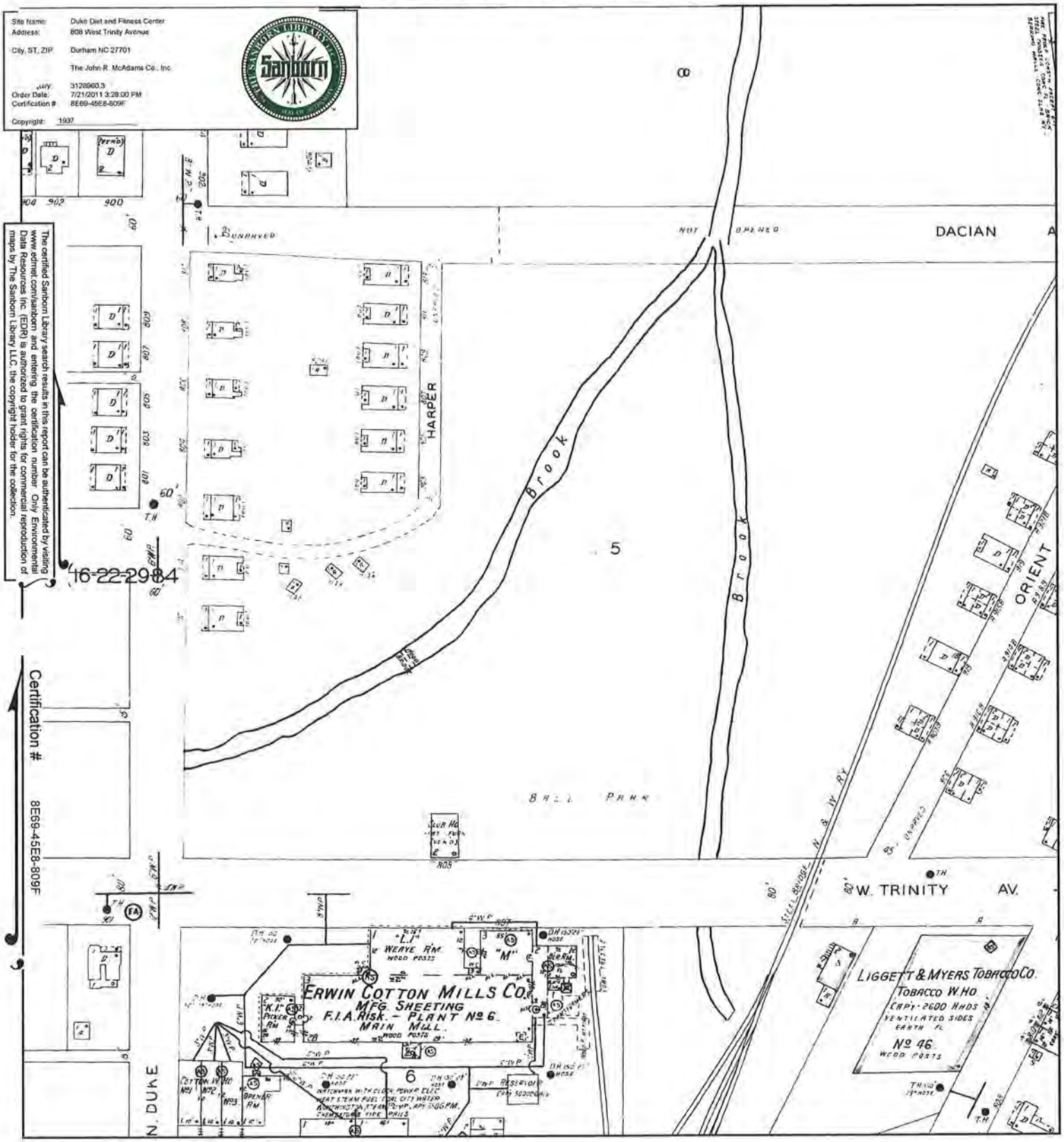


Volume 1, Sheet 39
Volume 1, Sheet 42

N

1937 Certified Sanborn Map

Site Name: Duke Diet and Fitness Center
Address: 808 West Trinity Avenue
City, ST, ZIP: Durham NC 27701
The John R. McAdams Co., Inc.
Job/Project #: 3128960.3
Order Date: 7/21/2011 3:28:00 PM
Certification #: 8E69-45E8-809F
Copyright: 1937



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16-22-2984

Certification # 8E69-45E8-809F

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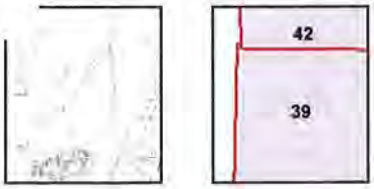
0 Feet 150 300 600



Volume 1, Sheet 42
Volume 1, Sheet 39

N

Duke Diet and Fitness Center
808 West Trinity Avenue
Durham, NC 27701

Inquiry Number: 3128960.6
July 21, 2011

The EDR-City Directory Abstract

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1920 through 2009. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

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Data by
infoUSA
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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2009	infoUSA City Directories	-	X	X	-
2002	Polk Directories	-	X	X	X
1997	The Polk Co. City Directories	-	X	X	X
1995	R. L. Polk Co.	-	X	X	X
1990	R. L. Polk Co.	-	X	X	X
1983	R. L. Polk Co.	X	X	X	X
1979	General Telephone Company of the Southeast	-	X	X	-
1975	General Telephone Company of the Southeast	-	X	X	-
1969	HILL DIRECTORY COMPANY PUBLISHERS	X	X	X	X
1963	Hill Directory Co., Inc., Publishers	X	X	X	-
1958	Hill Directory Co., Inc., Publishers	X	X	X	-
1954	Hill Directory Co., Inc., Publishers	X	X	X	-
1949	Hill Directory Co., Inc., Publishers	X	X	X	-

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1944	Hill Directory Co., Inc.,	X	X	X	X
1940	Hill Directory Co., Inc., Publishers	X	X	X	-
1935	Hill Directory Co., Inc., Publishers	-	X	X	-
1930	Hill Directory Co., Inc., Publishers	X	X	X	-
1925	Hill Directory Co., Inc., Publishers	X	X	X	-
1920	Hill Directory Co., Inc., Publishers	X	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

808 West Trinity Avenue
Durham, NC 27701

FINDINGS DETAIL

Target Property research detail.

Year	Uses	Source	
1983	Dietary Rehabilitation Center	R. L. Polk Co.	Image pg. A24
1969	ASSOCIATION	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	FRIENDLY CITY CHURCH OF CHRIST	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	YOUNG MENS CHRISTIAN	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
1963	YMCA	Hill Directory Co., Inc., Publishers	
1958	YMCA	Hill Directory Co., Inc., Publishers	
1954	City Lyceum Recreation Center	Hill Directory Co., Inc., Publishers	
1949	Center	Hill Directory Co., Inc., Publishers	
	City Lyceum Recreation	Hill Directory Co., Inc., Publishers	
	Dixon John U confr	Hill Directory Co., Inc., Publishers	
	Duke intersetcs	Hill Directory Co., Inc., Publishers	
1944	Center	Hill Directory Co., Inc.,	Image pg. A6
	City Lyceum Recreation	Hill Directory Co., Inc.,	Image pg. A6
1940	Lyceum Recreation Center	Hill Directory Co., Inc., Publishers	
1930	Pearl Cotton Mills Inc cotton gds mfrs	Hill Directory Co., Inc., Publishers	
1925	Pearl Cotton Mills	Hill Directory Co., Inc., Publishers	
	Woods J S	Hill Directory Co., Inc., Publishers	
1920	Pearl Cotton Mills	Hill Directory Co., Inc., Publishers	

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

DUKE N

712 DUKE N

Year	Uses	Source	
1963	Bordeaux Marvin W	Hill Directory Co., Inc., Publishers	
1958	Bordeaux Marvin W	Hill Directory Co., Inc., Publishers	
1954	BordeauxMarvin	Hill Directory Co., Inc., Publishers	
1949	Bordeaux Marvin W	Hill Directory Co., Inc., Publishers	
1944	Bordeaux Marvin W	Hill Directory Co., Inc.,	Image pg. A1
1940	Bordeaux Marvin W	Hill Directory Co., Inc., Publishers	
1935	Brown Gattis E	Hill Directory Co., Inc., Publishers	
1930	Brown Gatis E	Hill Directory Co., Inc., Publishers	
1925	Brown G E	Hill Directory Co., Inc., Publishers	

714 DUKE N

Year	Uses	Source	
1963	Hicks J Thos	Hill Directory Co., Inc., Publishers	
1958	Hicks J Thos	Hill Directory Co., Inc., Publishers	
1954	Hicks J Thos	Hill Directory Co., Inc., Publishers	
1949	Hicks J Thos	Hill Directory Co., Inc., Publishers	
1944	Hicks J Thos	Hill Directory Co., Inc.,	Image pg. A1
1940	Hicks Thos	Hill Directory Co., Inc., Publishers	
1935	Garden John C	Hill Directory Co., Inc., Publishers	
1930	Carden John C	Hill Directory Co., Inc., Publishers	
1925	Carden J C	Hill Directory Co., Inc., Publishers	

801 DUKE N

Year	Uses	Source	
1963	OBriant Rex C	Hill Directory Co., Inc., Publishers	
	Flowler Ambrose W	Hill Directory Co., Inc., Publishers	
1958	OBriant Rex C	Hill Directory Co., Inc., Publishers	
	Fowler Ambrose W	Hill Directory Co., Inc., Publishers	
1954	Fowler W Armbrose	Hill Directory Co., Inc., Publishers	
1949	Fowler W Ambrose	Hill Directory Co., Inc., Publishers	
1944	Fowler Ambrose W	Hill Directory Co., Inc.,	Image pg. A1

FINDINGS

Year	Uses	Source	
1940	Fowler Ambrose W	Hill Directory Co., Inc., Publishers	
1935	Fowler Ambrose	Hill Directory Co., Inc., Publishers	
1930	Fowler Ambrose	Hill Directory Co., Inc., Publishers	
1925	Tingen N L	Hill Directory Co., Inc., Publishers	
1920	Gaynos W T	Hill Directory Co., Inc., Publishers	

802 DUKE N

Year	Uses	Source	
1963	Newton Wm H	Hill Directory Co., Inc., Publishers	
1958	Lasater John R jr	Hill Directory Co., Inc., Publishers	
1954	Lasater John R jr	Hill Directory Co., Inc., Publishers	
1949	Lasater John R jr	Hill Directory Co., Inc., Publishers	
1944	Lasater John R jr	Hill Directory Co., Inc.,	Image pg. A1
1940	Stancil Adlai C	Hill Directory Co., Inc., Publishers	
1935	Peace John E	Hill Directory Co., Inc., Publishers	
	Allen Clarence J	Hill Directory Co., Inc., Publishers	
1930	Evans Raymond	Hill Directory Co., Inc., Publishers	
1925	Carden W H	Hill Directory Co., Inc., Publishers	
1920	Carden W H	Hill Directory Co., Inc., Publishers	

803 DUKE N

Year	Uses	Source	
1963	Carden Wm H	Hill Directory Co., Inc., Publishers	
1958	Carden Wm H	Hill Directory Co., Inc., Publishers	
1954	Carden Wm H	Hill Directory Co., Inc., Publishers	
1949	Carden Wm H	Hill Directory Co., Inc., Publishers	
1944	Carden Wm H	Hill Directory Co., Inc.,	Image pg. A1
1940	Carden Wm H	Hill Directory Co., Inc., Publishers	
1935	Dunn Lexie L	Hill Directory Co., Inc., Publishers	
1930	Dunn Lexie L	Hill Directory Co., Inc., Publishers	
1925	Dunn L L	Hill Directory Co., Inc., Publishers	
1920	Brewer J W	Hill Directory Co., Inc., Publishers	

804 DUKE N

Year	Uses	Source
1963	Smith Allie C	Hill Directory Co., Inc., Publishers
1958	Smith Allie C	Hill Directory Co., Inc., Publishers
1954	Smith Allie C	Hill Directory Co., Inc., Publishers
1949	Smith Allie C	Hill Directory Co., Inc., Publishers

FINDINGS

Year	Uses	Source	
1944	Smith Allie C	Hill Directory Co., Inc.,	Image pg. A1
1940	Thompson L Roy	Hill Directory Co., Inc., Publishers	
1935	Thomason Jas A	Hill Directory Co., Inc., Publishers	
1930	Williams Carrie Mrs	Hill Directory Co., Inc., Publishers	
1925	Williams Carrie Mrs	Hill Directory Co., Inc., Publishers	

805 DUKE N

Year	Uses	Source	
1963	Ragan Edw F	Hill Directory Co., Inc., Publishers	
1958	Ragan Edw F	Hill Directory Co., Inc., Publishers	
1954	Ragan Edw F i	Hill Directory Co., Inc., Publishers	
1949	Ragan Edw F	Hill Directory Co., Inc., Publishers	
1944	Ragan Edw F	Hill Directory Co., Inc.,	Image pg. A1
1940	Ragan Edw L	Hill Directory Co., Inc., Publishers	
1935	Edwards Bettie Mrs	Hill Directory Co., Inc., Publishers	
1930	Edwards Bettie Mrs	Hill Directory Co., Inc., Publishers	
1925	Edwards Bettie Mrs	Hill Directory Co., Inc., Publishers	
1920	Hathaway Savannah Mrs	Hill Directory Co., Inc., Publishers	

806 DUKE N

Year	Uses	Source	
1963	Chenault Walter L	Hill Directory Co., Inc., Publishers	
1958	Chenault Walter L	Hill Directory Co., Inc., Publishers	
1954	Chenault Walter L	Hill Directory Co., Inc., Publishers	
1949	Chenault Walter L	Hill Directory Co., Inc., Publishers	
1944	Chenault Walter L	Hill Directory Co., Inc.,	Image pg. A1
1940	Chenault Walter L	Hill Directory Co., Inc., Publishers	
1935	Stancil Adlai C	Hill Directory Co., Inc., Publishers	
1930	Byrd Handy M	Hill Directory Co., Inc., Publishers	
1925	Carden Bryant	Hill Directory Co., Inc., Publishers	

807 DUKE N

Year	Uses	Source	
1963	Autry Wm	Hill Directory Co., Inc., Publishers	
1958	Edgerton James H	Hill Directory Co., Inc., Publishers	
	Autry Wm	Hill Directory Co., Inc., Publishers	
1954	Autry Wm	Hill Directory Co., Inc., Publishers	
1949	Stancil A Cleveland	Hill Directory Co., Inc., Publishers	
1944	Locklear Alf H	Hill Directory Co., Inc.,	Image pg. A1

FINDINGS

Year	Uses	Source	
1940	Locklear Alf H	Hill Directory Co., Inc., Publishers	
1935	Byrd Handy M	Hill Directory Co., Inc., Publishers	
1930	Crawley Jesse E	Hill Directory Co., Inc., Publishers	
1925	Temple Ira	Hill Directory Co., Inc., Publishers	
1920	Buchanan P L	Hill Directory Co., Inc., Publishers	

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Year	Uses	Source	
1963	Oakley Earl W	Hill Directory Co., Inc., Publishers	
1958	Vacant	Hill Directory Co., Inc., Publishers	
1954	Condon Sarah M	Hill Directory Co., Inc., Publishers	
1949	Condon Sarah M Mrs	Hill Directory Co., Inc., Publishers	
1944	Condon Sarah M Mrs	Hill Directory Co., Inc.,	Image pg. A1
1940	Condon Sarah M Mrs	Hill Directory Co., Inc., Publishers	
1935	Condon Sarah Mrs	Hill Directory Co., Inc., Publishers	
1930	Condon John A	Hill Directory Co., Inc., Publishers	
1925	Condon J A	Hill Directory Co., Inc., Publishers	

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Year	Uses	Source	
1963	Moseley Iona H Mrs	Hill Directory Co., Inc., Publishers	
1958	Moseley Rufus M	Hill Directory Co., Inc., Publishers	
1954	Moseley Rufus M	Hill Directory Co., Inc., Publishers	
1949	Moseley Rufus M	Hill Directory Co., Inc., Publishers	
1944	Moseley Rufus M	Hill Directory Co., Inc.,	Image pg. A1
1940	Moseley Rufus M	Hill Directory Co., Inc., Publishers	
1935	Moseley Rufus M	Hill Directory Co., Inc., Publishers	
1930	Pope David A	Hill Directory Co., Inc., Publishers	
1925	Tharrington Cleveland	Hill Directory Co., Inc., Publishers	
1920	Johnson J C	Hill Directory Co., Inc., Publishers	

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Year	Uses	Source	
1963	Moorefield Donald G	Hill Directory Co., Inc., Publishers	
1958	Willis Edw E	Hill Directory Co., Inc., Publishers	
1954	Byrd Ernest	Hill Directory Co., Inc., Publishers	
1949	Jones Edw M	Hill Directory Co., Inc., Publishers	
1944	Young Jonathan D	Hill Directory Co., Inc.,	Image pg. A1
1940	Taylor Roy G	Hill Directory Co., Inc., Publishers	

FINDINGS

Year	Uses	Source
1935	Brewer Robt	Hill Directory Co., Inc., Publishers
1930	Draughon Dallas	Hill Directory Co., Inc., Publishers
1925	Allen C J	Hill Directory Co., Inc., Publishers

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Year	Uses	Source	
1995	SEVEN ELEVEN APARTMENTS	R. L. Polk Co.	Image pg. A34
	1 12 Not Verified 11 Apta	R. L. Polk Co.	Image pg. A34
	1 12 Not Verified 11 Apta	R. L. Polk Co.	Image pg. A34
1990	Seven Eleven Apartments	R. L. Polk Co.	Image pg. A26
	1 2 No Return 2 Apts	R. L. Polk Co.	Image pg. A26
	1 2 No Return 2 Apts	R. L. Polk Co.	Image pg. A26
	Wingate Lynn	R. L. Polk Co.	Image pg. A26
	Chavis Robin	R. L. Polk Co.	Image pg. A26
	Sellers Christopher	R. L. Polk Co.	Image pg. A26
	Mitsambiwa Hector D	R. L. Polk Co.	Image pg. A26
	Jacobs G F	R. L. Polk Co.	Image pg. A26
	Chang Yun	R. L. Polk Co.	Image pg. A26
	Strow Anthony K	R. L. Polk Co.	Image pg. A26
	Mc Gregor Brian	R. L. Polk Co.	Image pg. A26
	IIJones Janet	R. L. Polk Co.	Image pg. A26
	Jones Eddie	R. L. Polk Co.	Image pg. A26
	No Return	R. L. Polk Co.	Image pg. A26
1983	Seven Eleven Apartments	R. L. Polk Co.	Image pg. A17
	Jackson Barbara J	R. L. Polk Co.	Image pg. A17
	Perry Gregory B	R. L. Polk Co.	Image pg. A17
	Johnson Alvin G	R. L. Polk Co.	Image pg. A17
	Coley Evelyn L	R. L. Polk Co.	Image pg. A17
	Noto Lee E	R. L. Polk Co.	Image pg. A17
	Bratcher Geo	R. L. Polk Co.	Image pg. A17
	Edwards Bemita	R. L. Polk Co.	Image pg. A17
	Bailey Johnnie	R. L. Polk Co.	Image pg. A17
	Cherry Phoebe	R. L. Polk Co.	Image pg. A17
	candy tob	R. L. Polk Co.	Image pg. A18
	Hunt Pamela E	R. L. Polk Co.	Image pg. A18
	Howell Marie	R. L. Polk Co.	Image pg. A18
	Brokenbrough Joan	R. L. Polk Co.	Image pg. A18

FINDINGS

Year	Uses	Source	
1969	SEVEN ELEVEN APARTMENTS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	BUGGEMAN BURTON	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	FOSTER JAMES	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	TRUSSELL ERNEST L	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	PERRY GREG	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	SMALL JANIE F	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	LOTHMAN ERIC	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	VACANT	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	B DAVIDSON MEHRON W	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	WEISBACH PHILIP	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	HODGKINS NORRIS L	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	BEST SANDRA F	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	ARTHUR PENELOP J	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	DURHAM WM H	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9

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Year	Uses	Source	
1995	Parks Jesse m	R. L. Polk Co.	Image pg. A34
	Parks William	R. L. Polk Co.	Image pg. A34
	Parks Eugene	R. L. Polk Co.	Image pg. A34
	Mc Cauley Robert	R. L. Polk Co.	Image pg. A34
1990	Swingle David	R. L. Polk Co.	Image pg. A26
1983	Bordeaux Marvin W	R. L. Polk Co.	Image pg. A18
1969	BORDEAUX MARVIN W	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9

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Year	Uses	Source	
1995	a Not Verified	R. L. Polk Co.	Image pg. A34
	b Vacant	R. L. Polk Co.	Image pg. A34
1990	b Johnson Jas Jr	R. L. Polk Co.	Image pg. A26

FINDINGS

Year	Uses	Source	
1990	aHudson Ed Jr	R. L. Polk Co.	Image pg. A26
1983	Gillis Donald	R. L. Polk Co.	Image pg. A18
1969	HICKS JOHN T	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9

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Year	Uses	Source	
1995	a Not Verified	R. L. Polk Co.	Image pg. A34
	b Vacant	R. L. Polk Co.	Image pg. A34
1990	Cacho Michelle	R. L. Polk Co.	Image pg. A26
1983	OBriant Rex C	R. L. Polk Co.	Image pg. A18
1969	FOWLER AMBROSE W	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	OBRIANT REX C	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9

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Year	Uses	Source	
1983	Nobs Susan	R. L. Polk Co.	Image pg. A18
1969	POE LINWOOD E e	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9

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Year	Uses	Source	
1995	Dunn Ruby E	R. L. Polk Co.	Image pg. A34
1990	Dunn Ruby Mrs	R. L. Polk Co.	Image pg. A26
1983	Dunn Jack B	R. L. Polk Co.	Image pg. A18
1969	BRINKLEY NORMAN	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9

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Year	Uses	Source	
1969	SMITH JOSIE B MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9

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Year	Uses	Source	
1995	Senter Nora R El	R. L. Polk Co.	Image pg. A34
	b Not Verified	R. L. Polk Co.	Image pg. A34
1990	a Senter Nora R Mrs	R. L. Polk Co.	Image pg. A26
	b No Return	R. L. Polk Co.	Image pg. A26
1983	Senter Nora R Mrs	R. L. Polk Co.	Image pg. A18

FINDINGS

Year	Uses	Source	
1969	SENTER NORA R MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9

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Year	Uses	Source	
1995	Childers Karen J	R. L. Polk Co.	Image pg. A34
1990	Childers Karen J	R. L. Polk Co.	Image pg. A26
1983	Stafford J D	R. L. Polk Co.	Image pg. A18
	Autry Marie B Mrs	R. L. Polk Co.	Image pg. A18
	Lowe Major	R. L. Polk Co.	Image pg. A18
	Gattis Ervin J	R. L. Polk Co.	Image pg. A18
1969	AUTRY WM	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9

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Year	Uses	Source	
1995	Mc Cauley Errol Jr I	R. L. Polk Co.	Image pg. A34
	Grooms Sharon	R. L. Polk Co.	Image pg. A34
1990	Grooms Sharon	R. L. Polk Co.	Image pg. A26
1983	Moseley Iona H Mrs	R. L. Polk Co.	Image pg. A18
1969	MOSELEY IONA H MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9

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Year	Uses	Source	
1995	G B S PROPERTIES	R. L. Polk Co.	Image pg. A34
	Not Verified	R. L. Polk Co.	Image pg. A34
	Russell Darryl	R. L. Polk Co.	Image pg. A34
	Plummer William M I	R. L. Polk Co.	Image pg. A34
	4 5 Not Verified 2 Apta	R. L. Polk Co.	Image pg. A34
	4 5 Not Verified 2 Apta	R. L. Polk Co.	Image pg. A34
	Palmer Cynthia H	R. L. Polk Co.	Image pg. A34
	Not Verified	R. L. Polk Co.	Image pg. A34
	Joyner Ronald	R. L. Polk Co.	Image pg. A34
	Joyner Frances Mc	R. L. Polk Co.	Image pg. A34
	Gossett Louis B	R. L. Polk Co.	Image pg. A34
	10 12 Not Verified 3 Apta	R. L. Polk Co.	Image pg. A34
	10 12 Not Verified 3 Apta	R. L. Polk Co.	Image pg. A34
	Young W	R. L. Polk Co.	Image pg. A34
	Markowitz A	R. L. Polk Co.	Image pg. A34
	Not Verified	R. L. Polk Co.	Image pg. A34

FINDINGS

Year	Uses	Source	
1995	Johnson Lasceka	R. L. Polk Co.	Image pg. A34
	Not Verified	R. L. Polk Co.	Image pg. A34
	Tootle Brian A	R. L. Polk Co.	Image pg. A34
	Johnson Shirley Ann	R. L. Polk Co.	Image pg. A34
	19 20 Not Verified 2 Apta	R. L. Polk Co.	Image pg. A34
	19 20 Not Verified 2 Apta	R. L. Polk Co.	Image pg. A34
	Baker Maggie I	R. L. Polk Co.	Image pg. A34
	Rigsbee Shelley P	R. L. Polk Co.	Image pg. A34
	Not Verified	R. L. Polk Co.	Image pg. A34
	Moody Donna	R. L. Polk Co.	Image pg. A34
	Not Verified	R. L. Polk Co.	Image pg. A34
	Rhodes Walter & Maudie	R. L. Polk Co.	Image pg. A34
	26 28 Not Verified 3 Apts	R. L. Polk Co.	Image pg. A34
	26 28 Not Verified 3 Apts	R. L. Polk Co.	Image pg. A34
	Martin Maggie I	R. L. Polk Co.	Image pg. A34
	Not Verified	R. L. Polk Co.	Image pg. A34
1990	Eight Ten Apartments the	R. L. Polk Co.	Image pg. A26
	No Return	R. L. Polk Co.	Image pg. A26
	Johnson James	R. L. Polk Co.	Image pg. A26
	Plummer Wm M	R. L. Polk Co.	Image pg. A26
	Wright Jeanette	R. L. Polk Co.	Image pg. A26
	Johnson David	R. L. Polk Co.	Image pg. A26
	No Return	R. L. Polk Co.	Image pg. A26
	Morris Angela R	R. L. Polk Co.	Image pg. A26
	Porter Darlene	R. L. Polk Co.	Image pg. A26
	9 10 No Return 2 Apts	R. L. Polk Co.	Image pg. A26
	9 10 No Return 2 Apts	R. L. Polk Co.	Image pg. A26
	Dunn Kenneth N	R. L. Polk Co.	Image pg. A26
	Brown Julius	R. L. Polk Co.	Image pg. A26
	aJenerette Priscilla	R. L. Polk Co.	Image pg. A26
	No Return	R. L. Polk Co.	Image pg. A26
	Adderly Suzette	R. L. Polk Co.	Image pg. A26
	Tharrington Lynwood	R. L. Polk Co.	Image pg. A26
	Brown Betty E Mrs	R. L. Polk Co.	Image pg. A26
	No Return	R. L. Polk Co.	Image pg. A26
	King	R. L. Polk Co.	Image pg. A26
	Cassady Gregory	R. L. Polk Co.	Image pg. A26
	Baker Maggie	R. L. Polk Co.	Image pg. A26

FINDINGS

Year	Uses	Source	
1990	22 24 No Return 2 Apts	R. L. Polk Co.	Image pg. A26
	22 24 No Return 2 Apts	R. L. Polk Co.	Image pg. A26
	Herman	R. L. Polk Co.	Image pg. A26
	25 26 No Return 2 Apts	R. L. Polk Co.	Image pg. A26
	25 26 No Return 2 Apts	R. L. Polk Co.	Image pg. A26
	Warren E Howard	R. L. Polk Co.	Image pg. A26
	Rhodes Chris	R. L. Polk Co.	Image pg. A26
	Martin Maggie	R. L. Polk Co.	Image pg. A26
	No Return	R. L. Polk Co.	Image pg. A26
1983	Eight Ten Apartments The	R. L. Polk Co.	Image pg. A18
	Godfrey Claude	R. L. Polk Co.	Image pg. A18
	Rutledge Louis B	R. L. Polk Co.	Image pg. A18
	Brown James	R. L. Polk Co.	Image pg. A18
	Canady Helene	R. L. Polk Co.	Image pg. A18
	Cunningham Thos	R. L. Polk Co.	Image pg. A18
	Baker Dorothy Mrs	R. L. Polk Co.	Image pg. A18
	Davie Willard L	R. L. Polk Co.	Image pg. A18
	Edemobi John	R. L. Polk Co.	Image pg. A18
	Hoefler Carol A	R. L. Polk Co.	Image pg. A18
	Harris B Darryl	R. L. Polk Co.	Image pg. A18
	Murphey Ron	R. L. Polk Co.	Image pg. A18
	Seitzer J E	R. L. Polk Co.	Image pg. A18
	aNorton A M	R. L. Polk Co.	Image pg. A18
	Coyne M J	R. L. Polk Co.	Image pg. A18
	Beaver Annie M	R. L. Polk Co.	Image pg. A18
	Gooch Susan	R. L. Polk Co.	Image pg. A18
	Brown Betty E Mrs	R. L. Polk Co.	Image pg. A18
	Horwitz Maurice	R. L. Polk Co.	Image pg. A18
	Little Alice	R. L. Polk Co.	Image pg. A18
	Leiser Jeffrey	R. L. Polk Co.	Image pg. A18
	Kasbekar Umesh	R. L. Polk Co.	Image pg. A18
	Obriant Barbara	R. L. Polk Co.	Image pg. A18
	Johnson Bernard N	R. L. Polk Co.	Image pg. A18
	Carro U Robt	R. L. Polk Co.	Image pg. A18
1969	EIGHT TEN APARTMENTS THE	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	BOOTH MICHL C	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	SHEPARD JAMES	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9

FINDINGS

Year	Uses	Source	
1969	VACANT	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	ROSEN ROBT	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	DIXON RANDY	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	POND ROGER A	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	AUSTIN JUDITH L	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	RAMBO ALMA	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	VACANT	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	LILES ANNE M	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	HOUGH ANN	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	JENNINGS PHILLIP	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	A WHITFIELD MARY J	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	SEDEIKO LEOLA MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	VOORHEES ELIZ MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
	TILLEY GLENDA L	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9

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Year	Uses	Source	
1995	EIGHT ELEVEN APARTMENTS g b a	R. L. Polk Co.	Image pg. A34
	properties	R. L. Polk Co.	Image pg. A34
	1 3 Not Verified 3 Apta	R. L. Polk Co.	Image pg. A34
	1 3 Not Verified 3 Apta	R. L. Polk Co.	Image pg. A34
	Parks Charles m	R. L. Polk Co.	Image pg. A34
	DACL 4 N AV INVTERSECS	R. L. Polk Co.	Image pg. A34
1990	Parks Chas	R. L. Polk Co.	Image pg. A26
	Flood Virginia D	R. L. Polk Co.	Image pg. A26
	Adams Sheila R	R. L. Polk Co.	Image pg. A26
	No Return	R. L. Polk Co.	Image pg. A26
	Apartments	R. L. Polk Co.	Image pg. A26
1983	Mcdonald Kath C	R. L. Polk Co.	Image pg. A18
	Parnell Margt	R. L. Polk Co.	Image pg. A18

FINDINGS

Year	Uses	Source	
1983	Forte L	R. L. Polk Co.	Image pg. A18
	Apartmnents	R. L. Polk Co.	Image pg. A18
	Kidwell Herbert C	R. L. Polk Co.	Image pg. A18

DUKE/HARPER PL

DUKE/HARPER PL

Year	Uses	Source	
1997	DUKE/HARPER PL	The Polk Co. City Directories	Image pg. A42

DUKE/MINERVA

DUKE/MINERVA

Year	Uses	Source
1940	DUKE/MINERVA	Hill Directory Co., Inc., Publishers
1935	DUKE/MINERVA	Hill Directory Co., Inc., Publishers
1930	DUKE/MINERVA	Hill Directory Co., Inc., Publishers
1925	DUKE/MINERVA	Hill Directory Co., Inc., Publishers
1920	DUKE/MINERVA	Hill Directory Co., Inc., Publishers

DUKE/MINERVA AV

DUKE/MINERVA AV

Year	Uses	Source	
1995	DUKE/MINERVA AV	R. L. Polk Co.	Image pg. A34
1990	DUKE/MINERVA AV	R. L. Polk Co.	Image pg. A26
1983	DUKE/MINERVA AV	R. L. Polk Co.	Image pg. A17
1969	DUKE/MINERVA AV	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
1963	DUKE/MINERVA AV	Hill Directory Co., Inc., Publishers	
1958	DUKE/MINERVA AV	Hill Directory Co., Inc., Publishers	
1949	DUKE/MINERVA AV	Hill Directory Co., Inc., Publishers	
1944	DUKE/MINERVA AV	Hill Directory Co., Inc.,	Image pg. A1

DUKE/MINERVA AVE

DUKE/MINERVA AVE

Year	Uses	Source	
1997	DUKE/MINERVA AVE	The Polk Co. City Directories	Image pg. A42

FINDINGS

DUKE/MONMOUTH

DUKE/MONMOUTH

Year	Uses	Source
1940	DUKE/MONMOUTH	Hill Directory Co., Inc., Publishers
1935	DUKE/MONMOUTH	Hill Directory Co., Inc., Publishers
1930	DUKE/MONMOUTH	Hill Directory Co., Inc., Publishers
1925	DUKE/MONMOUTH	Hill Directory Co., Inc., Publishers
1920	DUKE/MONMOUTH	Hill Directory Co., Inc., Publishers

DUKE/MONMOUTH AV

DUKE/MONMOUTH AV

Year	Uses	Source	
1990	DUKE/MONMOUTH AV	R. L. Polk Co.	Image pg. A26
1983	DUKE/MONMOUTH AV	R. L. Polk Co.	Image pg. A18
1969	DUKE/MONMOUTH AV	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
1963	DUKE/MONMOUTH AV	Hill Directory Co., Inc., Publishers	
1958	DUKE/MONMOUTH AV	Hill Directory Co., Inc., Publishers	
1954	DUKE/MONMOUTH AV	Hill Directory Co., Inc., Publishers	
1949	DUKE/MONMOUTH AV	Hill Directory Co., Inc., Publishers	
1944	DUKE/MONMOUTH AV	Hill Directory Co., Inc.,	Image pg. A1

DUKE/MONMOUTH AVE

DUKE/MONMOUTH AVE

Year	Uses	Source	
1997	DUKE/MONMOUTH AVE	The Polk Co. City Directories	Image pg. A42

DUKE/TRINITY

DUKE/TRINITY

Year	Uses	Source	
1995	DUKE/TRINITY	R. L. Polk Co.	Image pg. A34
1990	DUKE/TRINITY	R. L. Polk Co.	Image pg. A26
1983	DUKE/TRINITY	R. L. Polk Co.	Image pg. A17
1969	DUKE/TRINITY	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A9
1920	DUKE/TRINITY	Hill Directory Co., Inc., Publishers	

FINDINGS

DUKE/TRINITY AV

DUKE/TRINITY AV

Year	Uses	Source	
1963	DUKE/TRINITY AV	Hill Directory Co., Inc., Publishers	
1940	DUKE/TRINITY AV	Hill Directory Co., Inc., Publishers	
1935	DUKE/TRINITY AV	Hill Directory Co., Inc., Publishers	
1930	DUKE/TRINITY AV	Hill Directory Co., Inc., Publishers	
1925	DUKE/TRINITY AV	Hill Directory Co., Inc., Publishers	

DUKE/W TRINITY AV

DUKE/W TRINITY AV

Year	Uses	Source	
1958	DUKE/W TRINITY AV	Hill Directory Co., Inc., Publishers	
1954	DUKE/W TRINITY AV	Hill Directory Co., Inc., Publishers	
1949	DUKE/W TRINITY AV	Hill Directory Co., Inc., Publishers	
1944	DUKE/W TRINITY AV	Hill Directory Co., Inc.,	Image pg. A1

DUKE/W TRINITY AVE

DUKE/W TRINITY AVE

Year	Uses	Source	
1997	DUKE/W TRINITY AVE	The Polk Co. City Directories	Image pg. A42

GEER/W GEER ST

GEER/W GEER ST

Year	Uses	Source	
2002	GEER/W GEER ST	Polk Directories	Image pg. A52
1997	GEER/W GEER ST	The Polk Co. City Directories	Image pg. A43

GEER/WASHINGTON

GEER/WASHINGTON

Year	Uses	Source	
1995	GEER/WASHINGTON	R. L. Polk Co.	Image pg. A35
1990	GEER/WASHINGTON	R. L. Polk Co.	Image pg. A27
1983	GEER/WASHINGTON	R. L. Polk Co.	Image pg. A19
1969	GEER/WASHINGTON	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A10

FINDINGS

Year	Uses	Source	
1963	GEER/WASHINGTON	Hill Directory Co., Inc., Publishers	
1958	GEER/WASHINGTON	Hill Directory Co., Inc., Publishers	
1954	GEER/WASHINGTON	Hill Directory Co., Inc., Publishers	
1949	GEER/WASHINGTON	Hill Directory Co., Inc., Publishers	
1944	GEER/WASHINGTON	Hill Directory Co., Inc.,	Image pg. A2

GEER/WASHINGTON ST

GEER/WASHINGTON ST

Year	Uses	Source	
2002	GEER/WASHINGTON ST	Polk Directories	Image pg. A53
1997	GEER/WASHINGTON ST	The Polk Co. City Directories	Image pg. A44

HARPER

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Year	Uses	Source	
1979	Watson E W	General Telephone Company of the Southeast	
1963	Watson Eug W	Hill Directory Co., Inc., Publishers	
1958	Watson Eug W	Hill Directory Co., Inc., Publishers	
1954	Watson Eug W C	Hill Directory Co., Inc., Publishers	
1949	Watson Eug W	Hill Directory Co., Inc., Publishers	
1944	Watson Eug W	Hill Directory Co., Inc.,	Image pg. A3
1940	Watson Eug W	Hill Directory Co., Inc., Publishers	
1935	Watson Eug W	Hill Directory Co., Inc., Publishers	
1930	Watson Eug W	Hill Directory Co., Inc., Publishers	
1925	Watson Eugene	Hill Directory Co., Inc., Publishers	

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Year	Uses	Source	
1963	Mayton B	Hill Directory Co., Inc., Publishers	
1958	Hobgood Calvin D	Hill Directory Co., Inc., Publishers	
1954	Hobgood Calvin D	Hill Directory Co., Inc., Publishers	
1949	Ellis Garland W	Hill Directory Co., Inc., Publishers	
1944	Ellis Garland W	Hill Directory Co., Inc.,	Image pg. A3
1940	Porter Ernest C	Hill Directory Co., Inc., Publishers	
1935	Porter Ernest C	Hill Directory Co., Inc., Publishers	
1930	Peace John E	Hill Directory Co., Inc., Publishers	
	Talley Angeline Mrs	Hill Directory Co., Inc., Publishers	

FINDINGS

Year	Uses	Source	
1925	Partin R L	Hill Directory Co., Inc., Publishers	

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Year	Uses	Source	
1979	Watson Lee Z	General Telephone Company of the Southeast	
1975	Watson Lee Z	General Telephone Company of the Southeast	
1963	Watson Lee Z	Hill Directory Co., Inc., Publishers	
1958	Watson Lee Z	Hill Directory Co., Inc., Publishers	
1954	Watson Lee Z	Hill Directory Co., Inc., Publishers	
1949	Watson Lee Z	Hill Directory Co., Inc., Publishers	
1944	Watson Lee Z	Hill Directory Co., Inc.,	Image pg. A3
1940	Watson Lee Z	Hill Directory Co., Inc., Publishers	
1935	Watson Lee Z	Hill Directory Co., Inc., Publishers	
1930	Watson Lee Z	Hill Directory Co., Inc., Publishers	
1925	Watson L Z	Hill Directory Co., Inc., Publishers	

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Year	Uses	Source	
1979	Harrison Edward C	General Telephone Company of the Southeast	
1958	Thomason Jas A	Hill Directory Co., Inc., Publishers	
1954	Thornason Jas A	Hill Directory Co., Inc., Publishers	
1949	Thomason Jas A	Hill Directory Co., Inc., Publishers	
1944	Thomason Jas A	Hill Directory Co., Inc.,	Image pg. A3
1940	Thomason Jas A	Hill Directory Co., Inc., Publishers	
1935	Hughes Jennings L	Hill Directory Co., Inc., Publishers	
1930	Johnson Randall LT	Hill Directory Co., Inc., Publishers	
1925	Milligan J C	Hill Directory Co., Inc., Publishers	

811 HARPER

Year	Uses	Source
1979	Pridgen RS	General Telephone Company of the Southeast
1975	Pridgen R S	General Telephone Company of the Southeast
1963	Phipps Alonzo Y	Hill Directory Co., Inc., Publishers
1958	Phipps Alonzo Y	Hill Directory Co., Inc., Publishers
1954	Phipps Alonzo Y	Hill Directory Co., Inc., Publishers
1949	Harden Jas L	Hill Directory Co., Inc., Publishers

FINDINGS

Year	Uses	Source	
1944	Harden Jas L	Hill Directory Co., Inc.,	Image pg. A3
1940	Kelley Harold D	Hill Directory Co., Inc., Publishers	
1935	Kelley Harold D	Hill Directory Co., Inc., Publishers	
1930	Temples Ira B	Hill Directory Co., Inc., Publishers	
1925	Crawley J E	Hill Directory Co., Inc., Publishers	

813 HARPER

Year	Uses	Source	
1975	Jackson J W	General Telephone Company of the Southeast	
1963	Jackson Lida K Mrs	Hill Directory Co., Inc., Publishers	
1958	Jackson Lida K Mrs	Hill Directory Co., Inc., Publishers	
1954	Jackson Jas W	Hill Directory Co., Inc., Publishers	
1949	Jackson Jas W	Hill Directory Co., Inc., Publishers	
1944	Jacksoni Jas W	Hill Directory Co., Inc.,	Image pg. A3
1940	Jackson Jas W	Hill Directory Co., Inc., Publishers	
1935	Jackson Jas W	Hill Directory Co., Inc., Publishers	
1930	Jackson Jas W	Hill Directory Co., Inc., Publishers	
1925	Vaughan Weldon	Hill Directory Co., Inc., Publishers	

HARPER PL

803 HARPER PL

Year	Uses	Source	
2009	805 807 NC	infoUSA City Directories	
2002	Godines Juan	Polk Directories	Image pg. A54
1997	White Josephine C	The Polk Co. City Directories	Image pg. A45
	White Willie N	The Polk Co. City Directories	Image pg. A45
	Guess Ben L	The Polk Co. City Directories	Image pg. A45
	Bennett Vera D	The Polk Co. City Directories	Image pg. A45
1995	803 813 Not Verified 5 Hses	R. L. Polk Co.	Image pg. A36
1990	Stolpp J	R. L. Polk Co.	Image pg. A28
1983	Watson Eug W	R. L. Polk Co.	Image pg. A20
1969	WATSON EUG W	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A11

805 HARPER PL

Year	Uses	Source	
2002	Not Verified	Polk Directories	Image pg. A54
1997	Anderson Rochelle	The Polk Co. City Directories	Image pg. A45

FINDINGS

Year	Uses	Source	
1990	Woodard Ali	R. L. Polk Co.	Image pg. A28
1983	No Return	R. L. Polk Co.	Image pg. A20
1969	MAYTON B A	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A11

807 HARPER PL

Year	Uses	Source	
2002	Nelson Michael	Polk Directories	Image pg. A54
1997	Buchanan Robert W Sr & Alice	The Polk Co. City Directories	Image pg. A45
1990	Jones	R. L. Polk Co.	Image pg. A28
1983	Watson Neva C Mrs	R. L. Polk Co.	Image pg. A20
1969	WATSON LEE Z	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A11

809 HARPER PL

Year	Uses	Source	
1983	Ballou	R. L. Polk Co.	Image pg. A20
1975	Dorey David W	General Telephone Company of the Southeast	
1969	EVANS EVA L MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A11

811 HARPER PL

Year	Uses	Source	
2009	Casas Jose Frausto	infoUSA City Directories	
2002	Cruz Ciriaco	Polk Directories	Image pg. A54
1997	McNair Segrid D	The Polk Co. City Directories	Image pg. A45
1990	Smith H	R. L. Polk Co.	Image pg. A28
1983	Pridgen Richardson S	R. L. Polk Co.	Image pg. A20
1969	VACANT	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A11

813 HARPER PL

Year	Uses	Source	
2009	No Current Listing	infoUSA City Directories	
2002	Not Verified	Polk Directories	Image pg. A54
1997	Green Albertha P	The Polk Co. City Directories	Image pg. A45
	Green Phylliss R	The Polk Co. City Directories	Image pg. A45
1995	803 813 Not Verified 5 Hses	R. L. Polk Co.	Image pg. A36
1990	No Return	R. L. Polk Co.	Image pg. A28
1983	Riechers Geo	R. L. Polk Co.	Image pg. A20

FINDINGS

Year	Uses	Source	
1979	Mc Craw James B	General Telephone Company of the Southeast	
	Fourg Renate	General Telephone Company of the Southeast	
1969	JACKSON LIDA K MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A11

HARPER/MONMOUTH AVE

HARPER/MONMOUTH AVE

Year	Uses	Source	
2002	HARPER/MONMOUTH AVE	Polk Directories	Image pg. A54
1997	HARPER/MONMOUTH AVE	The Polk Co. City Directories	Image pg. A45

MINERVA

805 MINERVA

Year	Uses	Source
1920	Ferrell G M	Hill Directory Co., Inc., Publishers

807 MINERVA

Year	Uses	Source
1920	Mulholland C C	Hill Directory Co., Inc., Publishers

809 MINERVA

Year	Uses	Source
1925	Caudle H C	Hill Directory Co., Inc., Publishers

810 MINERVA

Year	Uses	Source
1979	JAXON & DIXSON SMALL ENGINE & MOTORCYCLE REPAIR	General Telephone Company of the Southeast

811 MINERVA

Year	Uses	Source
1925	Crabtree Lula Mrs	Hill Directory Co., Inc., Publishers

813 MINERVA

Year	Uses	Source
1925	Vacant	Hill Directory Co., Inc., Publishers

FINDINGS

MINERVA AVE

801 MINERVA AVE

Year	Uses	Source	
1990	Durham High School Science Bldg	R. L. Polk Co.	Image pg. A29
1983	Durham High School Science Bldg	R. L. Polk Co.	Image pg. A21
1969	DURHAM HIGH SCHOOL SCIENCE	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A12
1963	Jourdan Transfer Inc	Hill Directory Co., Inc., Publishers	
1958	Jourdan Transfer Inc	Hill Directory Co., Inc., Publishers	

810 MINERVA AVE

Year	Uses	Source
2009	No Current Listing	infoUSA City Directories

MINERVA/N DUKE

MINERVA/N DUKE

Year	Uses	Source	
1990	MINERVA/N DUKE	R. L. Polk Co.	Image pg. A29
1983	MINERVA/N DUKE	R. L. Polk Co.	Image pg. A21
1969	MINERVA/N DUKE	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A12
1963	MINERVA/N DUKE	Hill Directory Co., Inc., Publishers	
1958	MINERVA/N DUKE	Hill Directory Co., Inc., Publishers	
1954	MINERVA/N DUKE	Hill Directory Co., Inc., Publishers	
1949	MINERVA/N DUKE	Hill Directory Co., Inc., Publishers	
1944	MINERVA/N DUKE	Hill Directory Co., Inc.,	Image pg. A4

MONMOUTH AVE

800 MONMOUTH AVE

Year	Uses	Source
1935	Allen Budd confr	Hill Directory Co., Inc., Publishers

MONMOUTH/DUKE

MONMOUTH/DUKE

Year	Uses	Source	
1990	MONMOUTH/DUKE	R. L. Polk Co.	Image pg. A30
1983	MONMOUTH/DUKE	R. L. Polk Co.	Image pg. A22

FINDINGS

Year	Uses	Source	
1969	MONMOUTH/DUKE	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A13
1963	MONMOUTH/DUKE	Hill Directory Co., Inc., Publishers	
1940	MONMOUTH/DUKE	Hill Directory Co., Inc., Publishers	
1935	MONMOUTH/DUKE	Hill Directory Co., Inc., Publishers	
1925	MONMOUTH/DUKE	Hill Directory Co., Inc., Publishers	

MONMOUTH/N DUKE

MONMOUTH/N DUKE

Year	Uses	Source	
1958	MONMOUTH/N DUKE	Hill Directory Co., Inc., Publishers	
1954	MONMOUTH/N DUKE	Hill Directory Co., Inc., Publishers	
1949	MONMOUTH/N DUKE	Hill Directory Co., Inc., Publishers	
1944	MONMOUTH/N DUKE	Hill Directory Co., Inc.,	Image pg. A4

MONMOUTH/N DUKE ST

MONMOUTH/N DUKE ST

Year	Uses	Source	
1997	MONMOUTH/N DUKE ST	The Polk Co. City Directories	Image pg. A46
1995	MONMOUTH/N DUKE ST	R. L. Polk Co.	Image pg. A37

N DUKE

711 N DUKE

Year	Uses	Source
1979	Moore Sabrina	General Telephone Company of the Southeast
	Johnson Denise	General Telephone Company of the Southeast
	Johnson Alvin G	General Telephone Company of the Southeast
	Hunt P	General Telephone Company of the Southeast
	Graham Archibald	General Telephone Company of the Southeast
	Smith Deborah	General Telephone Company of the Southeast
	Cherry Phoebe	General Telephone Company of the Southeast
	Fearrington Clara	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source
1979	Perry Gregory B	General Telephone Company of the Southeast
1975	Smith Phyllis	General Telephone Company of the Southeast
	Taybron Mary	General Telephone Company of the Southeast
	Perry Gregory B	General Telephone Company of the Southeast
	Bryant Bessie	General Telephone Company of the Southeast
	Cherry Phoebe	General Telephone Company of the Southeast
	Oates Jean	General Telephone Company of the Southeast

712 N DUKE

Year	Uses	Source
1979	Bordeaux M W	General Telephone Company of the Southeast
1975	Bordeaux M W	General Telephone Company of the Southeast

714 N DUKE

Year	Uses	Source
1975	Wrenn Danny R	General Telephone Company of the Southeast

801 N DUKE

Year	Uses	Source
1979	OBriant RC	General Telephone Company of the Southeast
1975	OBriant R C	General Telephone Company of the Southeast

802 N DUKE

Year	Uses	Source
1979	Poe Eunice	General Telephone Company of the Southeast
1975	Poe Eunice	General Telephone Company of the Southeast

803 N DUKE

Year	Uses	Source
1979	Dunn Jack	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source
1975	Coffey R N	General Telephone Company of the Southeast

804 N DUKE

Year	Uses	Source
1979	Carpenter Francis	General Telephone Company of the Southeast

805 N DUKE

Year	Uses	Source
1979	Senter Nora	General Telephone Company of the Southeast
1975	Senter Nora	General Telephone Company of the Southeast

807 N DUKE

Year	Uses	Source
1979	Autry William OJr	General Telephone Company of the Southeast
	Hayes Lantie	General Telephone Company of the Southeast
	Lowe Major	General Telephone Company of the Southeast
1975	Autry William Jr	General Telephone Company of the Southeast

809 N DUKE

Year	Uses	Source
1979	Moseley Iona H Mrs	General Telephone Company of the Southeast
1975	Moseley Iona H Mrs	General Telephone Company of the Southeast

810 N DUKE

Year	Uses	Source
1979	Whittington Michael	General Telephone Company of the Southeast
	Redmond Johnny	General Telephone Company of the Southeast
	Myers Alan	General Telephone Company of the Southeast
	Ketner John	General Telephone Company of the Southeast
	Karaketelis George	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source
1979	Eddy Michael	General Telephone Company of the Southeast
	Constantinou John	General Telephone Company of the Southeast
	Cohen Lawerance H	General Telephone Company of the Southeast
	Churnan Steve	General Telephone Company of the Southeast
	Cannady Helene	General Telephone Company of the Southeast
	Bonner R Lawrence	General Telephone Company of the Southeast
	Alley Bryan	General Telephone Company of the Southeast
1975	Harkey Douglas	General Telephone Company of the Southeast
	Clark Gary W	General Telephone Company of the Southeast
	Kallstorm D Ward	General Telephone Company of the Southeast
	Kutteh Costi	General Telephone Company of the Southeast
	Page Debra	General Telephone Company of the Southeast
	Papathanasiou George	General Telephone Company of the Southeast
	Polikoff Barbara	General Telephone Company of the Southeast
	Seamans Jane	General Telephone Company of the Southeast
	Smith Rosemary	General Telephone Company of the Southeast
	Walker Ronnie	General Telephone Company of the Southeast
	Harris Steve	General Telephone Company of the Southeast
	Cannady Helene	General Telephone Company of the Southeast
	Bond Beth	General Telephone Company of the Southeast
	Bennett Mark S	General Telephone Company of the Southeast
	Andreotti Peter	General Telephone Company of the Southeast

FINDINGS

811 N DUKE

Year	Uses	Source
1979	Parnell Margaret	General Telephone Company of the Southeast
	Paschall Mike	General Telephone Company of the Southeast
1975	Farwell E R	General Telephone Company of the Southeast

N DUKE ST

604 N DUKE ST

Year	Uses	Source
2009	No Current Listing	infoUSA City Directories

605 N DUKE ST

Year	Uses	Source
2009	Legacy Studios	infoUSA City Directories

711 N DUKE ST

Year	Uses	Source	
2009	SEVEN ELEVEN APTS	infoUSA City Directories	
	Greene Geavithia A	infoUSA City Directories	
	Guzman Rosemary	infoUSA City Directories	
	Los Santos Juana	infoUSA City Directories	
2002	Guzman Rosemary	Polk Directories	Image pg. A51
	1 12 Not Verified 12 Apts	Polk Directories	Image pg. A51
	1 12 Not Verified 12 Apts	Polk Directories	Image pg. A51
1997	Sellers Christopher L	The Polk Co. City Directories	Image pg. A42
	Thorpe E	The Polk Co. City Directories	Image pg. A42
	Wall Lene	The Polk Co. City Directories	Image pg. A42
	Hernandez Martin	The Polk Co. City Directories	Image pg. A42
	Hernandez Pedro M	The Polk Co. City Directories	Image pg. A42
	Williams Sabrina A	The Polk Co. City Directories	Image pg. A42
	Williams Edward E	The Polk Co. City Directories	Image pg. A42
	9 Not Verified 6 Apts	The Polk Co. City Directories	Image pg. A42
	Mangum Alice F	The Polk Co. City Directories	Image pg. A42
	12 Not Verified 2 Apts	The Polk Co. City Directories	Image pg. A42
	Lewis Donnell	The Polk Co. City Directories	Image pg. A42
	Perry Gregory B	The Polk Co. City Directories	Image pg. A42
	Purdie Georgia	The Polk Co. City Directories	Image pg. A42

FINDINGS

712 N DUKE ST

Year	Uses	Source	
2009	Godinez Ruben	infoUSA City Directories	
2002	Not Verified	Polk Directories	Image pg. A51

714 N DUKE ST

Year	Uses	Source	
2009	h Turrubiates Ireyda M	infoUSA City Directories	
	H Gary JN	infoUSA City Directories	
2002	Villafuerte Eduardo El	Polk Directories	Image pg. A51
1997	B Villafuerte Francisco	The Polk Co. City Directories	Image pg. A42
	B Villafuerte Eduardo	The Polk Co. City Directories	Image pg. A42
	A Edwards Erick E	The Polk Co. City Directories	Image pg. A42

801 N DUKE ST

Year	Uses	Source	
2009	Barnle John	infoUSA City Directories	
2002	Summerlin Barry	Polk Directories	Image pg. A51
	Summerlin James	Polk Directories	Image pg. A51
1997	Not Verified	The Polk Co. City Directories	Image pg. A42

803 N DUKE ST

Year	Uses	Source	
2009	805 Na	infoUSA City Directories	
2002	Dunn Jack B	Polk Directories	Image pg. A51
	Dunn Ruby D 19 A	Polk Directories	Image pg. A51
1997	Dunn Ruby D	The Polk Co. City Directories	Image pg. A42

805 N DUKE ST

Year	Uses	Source	
2002	Senter Mike	Polk Directories	Image pg. A51
	Senter Nora J	Polk Directories	Image pg. A51
1997	Senter Vincent W	The Polk Co. City Directories	Image pg. A42
	Senter Nora R	The Polk Co. City Directories	Image pg. A42

807 N DUKE ST

Year	Uses	Source	
2009	h Sellers Howard	infoUSA City Directories	
	Carew Richard	infoUSA City Directories	
2002	Sellers Howard H	Polk Directories	Image pg. A51
1997	Not Verified	The Polk Co. City Directories	Image pg. A42

FINDINGS

Year	Uses	Source	
1997	Mitchell Janice D	The Polk Co. City Directories	Image pg. A42
	Mitchell Grover J	The Polk Co. City Directories	Image pg. A42
	Jackson Valerie B	The Polk Co. City Directories	Image pg. A42

809 N DUKE ST

Year	Uses	Source	
2009	H Grooms Sharon Y	infoUSA City Directories	
2002	Grooms Sharon Y OD	Polk Directories	Image pg. A51
1997	Grooms Sharon Y	The Polk Co. City Directories	Image pg. A42

810 N DUKE ST

Year	Uses	Source	
2009	h Parks Charles	infoUSA City Directories	
	EIGHT TEN APTS	infoUSA City Directories	
	Deloache Malika	infoUSA City Directories	
	Gee Tony	infoUSA City Directories	
	Hester Marion	infoUSA City Directories	
	Kirkland Shakeema v	infoUSA City Directories	
	h Lewis Lisa	infoUSA City Directories	
2002	Mc Clure Lloyd C	Polk Directories	Image pg. A51
	1 4 Not Verified 4 Apts	Polk Directories	Image pg. A51
	1 4 Not Verified 4 Apts	Polk Directories	Image pg. A51
	Zapata Venerando	Polk Directories	Image pg. A51
	6 17 Not Verified 12 Apts	Polk Directories	Image pg. A51
	6 17 Not Verified 12 Apts	Polk Directories	Image pg. A51
	Russell Darryl S	Polk Directories	Image pg. A51
	19 30 Not Verified 12 Apts	Polk Directories	Image pg. A51
	19 30 Not Verified 12 Apts	Polk Directories	Image pg. A51
1997	Hinton Diane P	The Polk Co. City Directories	Image pg. A42
	Lemasters Michael S	The Polk Co. City Directories	Image pg. A42
	Matthews Lisa A	The Polk Co. City Directories	Image pg. A42
	Palmer C	The Polk Co. City Directories	Image pg. A42
	Thompson C H	The Polk Co. City Directories	Image pg. A42
	Wainaina N	The Polk Co. City Directories	Image pg. A42
	Williams Annie	The Polk Co. City Directories	Image pg. A42
	Haley Douglas S	The Polk Co. City Directories	Image pg. A42
	Haley Florence	The Polk Co. City Directories	Image pg. A42
	H Mazar Peter K	The Polk Co. City Directories	Image pg. A42
	Russell Darryl S	The Polk Co. City Directories	Image pg. A42

FINDINGS

Year	Uses	Source	
1997	Russell Natalie C	The Polk Co. City Directories	Image pg. A42
	4 Not Verified 2 Apts	The Polk Co. City Directories	Image pg. A42
	Donovan Michael J	The Polk Co. City Directories	Image pg. A42
	Donovan Renee D	The Polk Co. City Directories	Image pg. A42
	Martin Karianne	The Polk Co. City Directories	Image pg. A42
	Martin Jennifer A	The Polk Co. City Directories	Image pg. A42
	Joyner Ronald D	The Polk Co. City Directories	Image pg. A42
	Joyner Frances T	The Polk Co. City Directories	Image pg. A42
	Garrett Louis B	The Polk Co. City Directories	Image pg. A42
	18 Not Verified 7 Apts	The Polk Co. City Directories	Image pg. A42
	Neesen Sherry L	The Polk Co. City Directories	Image pg. A42
	Not Verified	The Polk Co. City Directories	Image pg. A42
	Lilly Richard M	The Polk Co. City Directories	Image pg. A42
	24 Not Verified 2 Apts	The Polk Co. City Directories	Image pg. A42
	Hutchinson William E	The Polk Co. City Directories	Image pg. A42
	Lopez Sisto Jr	The Polk Co. City Directories	Image pg. A42
	Jones Jarrett D	The Polk Co. City Directories	Image pg. A42
	Jones Bradley	The Polk Co. City Directories	Image pg. A42
	Graham Mary R	The Polk Co. City Directories	Image pg. A42
	Brown Renee	The Polk Co. City Directories	Image pg. A42

811 N DUKE ST

Year	Uses	Source	
2009	Ivey Amy	infoUSA City Directories	
	Ivey Amy	infoUSA City Directories	
2002	1 4 Not Verified 4 Apts	Polk Directories	Image pg. A51
	Polk Robert C Jr 1 E	Polk Directories	Image pg. A51
	Gil Reynaldo	Polk Directories	Image pg. A51
	Gil Egda	Polk Directories	Image pg. A51
	1 4 Not Verified 4 Apts	Polk Directories	Image pg. A51
1997	Joyner James E	The Polk Co. City Directories	Image pg. A42
	Parks Charles E	The Polk Co. City Directories	Image pg. A42
	Mayo Dwight E	The Polk Co. City Directories	Image pg. A42
	Polk Patricia A	The Polk Co. City Directories	Image pg. A42
	1 Polk Robert C Jr	The Polk Co. City Directories	Image pg. A42

FINDINGS

ORIENT

904 ORIENT

Year	Uses	Source	
1920	Allen Bud	Hill Directory Co., Inc., Publishers	

906 ORIENT

Year	Uses	Source	
1979	Pendergrast E M Rev	General Telephone Company of the Southeast	
1975	Pendergrast E M Rev	General Telephone Company of the Southeast	
1963	Pendergrast M Elwood	Hill Directory Co., Inc., Publishers	
1958	Pendergrast M Elwood	Hill Directory Co., Inc., Publishers	
1954	Pendergrast M	Hill Directory Co., Inc., Publishers	
	Elwood	Hill Directory Co., Inc., Publishers	
	Garrett Betty L	Hill Directory Co., Inc., Publishers	
	baby sitter	Hill Directory Co., Inc., Publishers	
1949	Pendergrast Elwood M	Hill Directory Co., Inc., Publishers	
	Ellington Jos P pntr	Hill Directory Co., Inc., Publishers	
1944	Pendergrast Elwd M	Hill Directory Co., Inc.,	Image pg. A5
1940	Crabtree Phemia E Mrs	Hill Directory Co., Inc., Publishers	
1935	Crabtree Robt A	Hill Directory Co., Inc., Publishers	
1930	Crabtree Robt A	Hill Directory Co., Inc., Publishers	
1925	Crabtree R A	Hill Directory Co., Inc., Publishers	

907 ORIENT

Year	Uses	Source	
1963	Hunt Claude E	Hill Directory Co., Inc., Publishers	
1958	Hunt Claude E	Hill Directory Co., Inc., Publishers	
	Tillman Robt B	Hill Directory Co., Inc., Publishers	
1954	Porter Apsy B	Hill Directory Co., Inc., Publishers	
1949	Porter Bettie I Mrs	Hill Directory Co., Inc., Publishers	
1944	Hbbs Walter	Hill Directory Co., Inc.,	Image pg. A5
1940	Rigsbee Numa W	Hill Directory Co., Inc., Publishers	
1935	Brigmnan Colon B	Hill Directory Co., Inc., Publishers	
1930	Brigman Colon	Hill Directory Co., Inc., Publishers	
1925	Nance Jack	Hill Directory Co., Inc., Publishers	
1920	Mc Corkle Wiley	Hill Directory Co., Inc., Publishers	

FINDINGS

909 ORIENT

Year	Uses	Source	
1925	Williams M V	Hill Directory Co., Inc., Publishers	

910 ORIENT

Year	Uses	Source	
1963	Nance Robt L Rev	Hill Directory Co., Inc., Publishers	
1958	Nance Robt L Rev	Hill Directory Co., Inc., Publishers	
1954	Nance Robt L	Hill Directory Co., Inc., Publishers	
1949	Nance Robt L	Hill Directory Co., Inc., Publishers	
1944	Nance Rbt L	Hill Directory Co., Inc.,	Image pg. A5
	Sykes Julian L	Hill Directory Co., Inc.,	Image pg. A5
1940	Watkins Wm T	Hill Directory Co., Inc., Publishers	
	Nance Robt L	Hill Directory Co., Inc., Publishers	
1935	Wilks Norfleet E	Hill Directory Co., Inc., Publishers	
1930	Renn Mattie Mrs	Hill Directory Co., Inc., Publishers	
1920	Bain George	Hill Directory Co., Inc., Publishers	

913 ORIENT

Year	Uses	Source	
1963	Mangum Mayonie M Mrs	Hill Directory Co., Inc., Publishers	
1958	Mangum Vannie M	Hill Directory Co., Inc., Publishers	
1954	Mangum Vannie M	Hill Directory Co., Inc., Publishers	
1949	Mangum Vannie M	Hill Directory Co., Inc., Publishers	
1944	Mangum Vannie L	Hill Directory Co., Inc.,	Image pg. A5
1940	Boone Clarence F	Hill Directory Co., Inc., Publishers	
1935	Nance Jackson J	Hill Directory Co., Inc., Publishers	
1930	Perry Chas V	Hill Directory Co., Inc., Publishers	

914 ORIENT

Year	Uses	Source	
1979	Cockrell Jack	General Telephone Company of the Southeast	
1975	Cockrell Jack	General Telephone Company of the Southeast	
1963	Cockrell Jack C	Hill Directory Co., Inc., Publishers	
1958	Cockrell Jack C	Hill Directory Co., Inc., Publishers	
1954	Hobbs Roy E	Hill Directory Co., Inc., Publishers	
1949	Hobbs Roy E	Hill Directory Co., Inc., Publishers	
	Spear Lewis H	Hill Directory Co., Inc., Publishers	
1944	Glenn Cnnie D	Hill Directory Co., Inc.,	Image pg. A5

FINDINGS

Year	Uses	Source	
1940	House Thos D	Hill Directory Co., Inc., Publishers	
	Jones Irvin C	Hill Directory Co., Inc., Publishers	
1935	House Thos D	Hill Directory Co., Inc., Publishers	
1930	Lloyd Oliver	Hill Directory Co., Inc., Publishers	
1925	Johnson G A	Hill Directory Co., Inc., Publishers	
	Baker Thos	Hill Directory Co., Inc., Publishers	
1920	Vacant	Hill Directory Co., Inc., Publishers	

915 ORIENT

Year	Uses	Source	
1979	High Curtis Wade	General Telephone Company of the Southeast	
1963	Vacant	Hill Directory Co., Inc., Publishers	
1958	Harris Paul	Hill Directory Co., Inc., Publishers	
1954	Pope Judson B	Hill Directory Co., Inc., Publishers	
1949	Walker Wm	Hill Directory Co., Inc., Publishers	
1944	Stne la Mrs	Hill Directory Co., Inc.,	Image pg. A5
1940	Porter Herman T	Hill Directory Co., Inc., Publishers	
	Stone Ola Mrs	Hill Directory Co., Inc., Publishers	
1935	Thompson Dwight E	Hill Directory Co., Inc., Publishers	
	Stone Ola Mrs	Hill Directory Co., Inc., Publishers	
1930	Gardner D Rush	Hill Directory Co., Inc., Publishers	
	Stone Ernest E	Hill Directory Co., Inc., Publishers	
1925	Walker J J	Hill Directory Co., Inc., Publishers	
1920	Bickers Vernon	Hill Directory Co., Inc., Publishers	

918 ORIENT

Year	Uses	Source	
1979	Hunt Terry L	General Telephone Company of the Southeast	
1975	Tilley Dennis W	General Telephone Company of the Southeast	
1963	Tilley Egbert H	Hill Directory Co., Inc., Publishers	
1958	Tilley Egbert H	Hill Directory Co., Inc., Publishers	
1954	Tilley Egbert H	Hill Directory Co., Inc., Publishers	
1949	Tilley Egbert H	Hill Directory Co., Inc., Publishers	
1944	Prter Apsy	Hill Directory Co., Inc.,	Image pg. A5
1940	Watkins Wade C	Hill Directory Co., Inc., Publishers	
	Smith Allie C	Hill Directory Co., Inc., Publishers	
1935	Buchanan Percy L	Hill Directory Co., Inc., Publishers	

FINDINGS

Year	Uses	Source	
1930	Buckhannon Percy L	Hill Directory Co., Inc., Publishers	
1925	Mason N H	Hill Directory Co., Inc., Publishers	
1920	Jessup W T	Hill Directory Co., Inc., Publishers	

919 ORIENT

Year	Uses	Source	
1979	Shropshire Lonnie	General Telephone Company of the Southeast	
1963	Shropshire H Lonnie	Hill Directory Co., Inc., Publishers	
1958	Shropshire H Lonnie	Hill Directory Co., Inc., Publishers	
1954	Shropshire H	Hill Directory Co., Inc., Publishers	
	Lonnie	Hill Directory Co., Inc., Publishers	
1949	Shropshire H Lonnie	Hill Directory Co., Inc., Publishers	
1944	Shrpshire H Lnnie	Hill Directory Co., Inc.,	Image pg. A5
1940	Harden Jas L	Hill Directory Co., Inc., Publishers	
1935	Brown Jas A	Hill Directory Co., Inc., Publishers	
1930	Hicks John T	Hill Directory Co., Inc., Publishers	
1925	Hicks J T	Hill Directory Co., Inc., Publishers	
1920	Nance Jack	Hill Directory Co., Inc., Publishers	

920 ORIENT

Year	Uses	Source	
1979	Draughan Bright	General Telephone Company of the Southeast	
1975	Draughan Bright	General Telephone Company of the Southeast	
1963	Draughan Chas B	Hill Directory Co., Inc., Publishers	
1958	Draughan Chas B	Hill Directory Co., Inc., Publishers	
1954	Draughan Chas B	Hill Directory Co., Inc., Publishers	
1949	Draughan Chas B	Hill Directory Co., Inc., Publishers	
1944	Draughan C Bright	Hill Directory Co., Inc.,	Image pg. A5
1940	Draughan C Bright	Hill Directory Co., Inc., Publishers	
1935	Draughan C Bright	Hill Directory Co., Inc., Publishers	
1930	Draughan Chas B	Hill Directory Co., Inc., Publishers	

921 ORIENT

Year	Uses	Source
1979	Oldham Herbert	General Telephone Company of the Southeast
1963	Oldham Herbert W	Hill Directory Co., Inc., Publishers
1958	Oldham Herbert W	Hill Directory Co., Inc., Publishers

Year	Uses	Source	
1958	Marshburn Eva Mrs	Hill Directory Co., Inc., Publishers	
1954	Oldham Herbert W	Hill Directory Co., Inc., Publishers	
1949	Oldham Herbert W	Hill Directory Co., Inc., Publishers	
1944	Cilaytn Wm	Hill Directory Co., Inc.,	Image pg. A5
1940	Council Herman L	Hill Directory Co., Inc., Publishers	
	Merritt John G	Hill Directory Co., Inc., Publishers	
1935	Bordeaux Marvin W	Hill Directory Co., Inc., Publishers	
1930	Vacant	Hill Directory Co., Inc., Publishers	
1925	Perry Chas	Hill Directory Co., Inc., Publishers	

922 ORIENT

Year	Uses	Source	
1963	Erexson Carrie L Mrs	Hill Directory Co., Inc., Publishers	
1958	Erexson Carrie L Mrs	Hill Directory Co., Inc., Publishers	
1954	Erexson Carrie	Hill Directory Co., Inc., Publishers	
	L Mrs	Hill Directory Co., Inc., Publishers	
1949	Erexson John L	Hill Directory Co., Inc., Publishers	
1944	Buchanan Vernn	Hill Directory Co., Inc.,	Image pg. A5
1940	Hardiman Elbert A	Hill Directory Co., Inc., Publishers	
1935	Williams G Robt L	Hill Directory Co., Inc., Publishers	
1930	Stephens Thos L	Hill Directory Co., Inc., Publishers	
1925	Watkins W T	Hill Directory Co., Inc., Publishers	
1920	Strickland Daniel	Hill Directory Co., Inc., Publishers	

923 ORIENT

Year	Uses	Source	
1979	Acrey Roy W	General Telephone Company of the Southeast	
1975	Acrey Roy W	General Telephone Company of the Southeast	
1963	Watkins Gene	Hill Directory Co., Inc., Publishers	
1958	Earp Dewarner	Hill Directory Co., Inc., Publishers	
1954	Hewett James R	Hill Directory Co., Inc., Publishers	
1949	Watkins Wade C	Hill Directory Co., Inc., Publishers	
1944	Watkins Wade C	Hill Directory Co., Inc.,	Image pg. A5
1940	Denning David W	Hill Directory Co., Inc., Publishers	
1935	Hicks J Thos	Hill Directory Co., Inc., Publishers	
1930	Ellis Berry A	Hill Directory Co., Inc., Publishers	
1925	Ellis B A	Hill Directory Co., Inc., Publishers	
1920	Watson E W	Hill Directory Co., Inc., Publishers	

FINDINGS

925 ORIENT

Year	Uses	Source	
1979	Miller Ruby M	General Telephone Company of the Southeast	
1975	Miller Ruby M	General Telephone Company of the Southeast	
1963	Miller Bury M Mrs	Hill Directory Co., Inc., Publishers	
1958	Miller Ruby M Mrs	Hill Directory Co., Inc., Publishers	
1954	Nance Jack J	Hill Directory Co., Inc., Publishers	
	Allen D P	Hill Directory Co., Inc., Publishers	
1949	Clark Julian L	Hill Directory Co., Inc., Publishers	
	No returni	Hill Directory Co., Inc., Publishers	
	No return	Hill Directory Co., Inc., Publishers	
1944	Walker Wm E	Hill Directory Co., Inc.,	Image pg. A5
1940	Walker Wm E	Hill Directory Co., Inc., Publishers	
	Mangum Vannie L	Hill Directory Co., Inc., Publishers	
1935	Walker Wm E	Hill Directory Co., Inc., Publishers	
	Harden Jas L	Hill Directory Co., Inc., Publishers	
1930	Walker Wm E	Hill Directory Co., Inc., Publishers	
	Mitchell Thos M	Hill Directory Co., Inc., Publishers	
1925	Wiggs Florence Mrs	Hill Directory Co., Inc., Publishers	
1920	Rayner J L	Hill Directory Co., Inc., Publishers	

926 ORIENT

Year	Uses	Source	
1979	Peninger Mazelle T	General Telephone Company of the Southeast	
1975	Peninger Mazelle T	General Telephone Company of the Southeast	
1963	Peninger David J jr	Hill Directory Co., Inc., Publishers	
1958	Peninger David J	Hill Directory Co., Inc., Publishers	
1954	Thomas L Lee	Hill Directory Co., Inc., Publishers	
1949	Thomas Luther L	Hill Directory Co., Inc., Publishers	
1944	Thmas Luther L	Hill Directory Co., Inc.,	Image pg. A5
	Peninger David	Hill Directory Co., Inc.,	Image pg. A5
1940	Thomas Luther L	Hill Directory Co., Inc., Publishers	
1935	Locklear Alf H	Hill Directory Co., Inc., Publishers	
1930	Nance Jackson J	Hill Directory Co., Inc., Publishers	
1925	Tripp J J	Hill Directory Co., Inc., Publishers	
1920	Watson F H	Hill Directory Co., Inc., Publishers	

FINDINGS

928 ORIENT

Year	Uses	Source	
1979	Williams Dorothy	General Telephone Company of the Southeast	
1975	Williams H L	General Telephone Company of the Southeast	
1963	Williams Horace L huckster	Hill Directory Co., Inc., Publishers	
1958	Williams Horace L huckster	Hill Directory Co., Inc., Publishers	
1954	Vacant	Hill Directory Co., Inc., Publishers	
1949	Dickerson Ernest J	Hill Directory Co., Inc., Publishers	
	Eubanks Carl W	Hill Directory Co., Inc., Publishers	
1944	Tilley Merritt M	Hill Directory Co., Inc.,	Image pg. A5
	Glenn Jhn E	Hill Directory Co., Inc.,	Image pg. A5
1940	Tilley Merritt	Hill Directory Co., Inc., Publishers	
	Nance John J	Hill Directory Co., Inc., Publishers	
1935	Tilley Merritt	Hill Directory Co., Inc., Publishers	
	Moss R Earl	Hill Directory Co., Inc., Publishers	
1930	Glossom Sami T	Hill Directory Co., Inc., Publishers	
	Mc Donald Danl	Hill Directory Co., Inc., Publishers	
1925	Hobbs F C Mrs	Hill Directory Co., Inc., Publishers	
1920	Long Portia Mrs	Hill Directory Co., Inc., Publishers	

929 ORIENT

Year	Uses	Source	
1979	Pendergrast E E	General Telephone Company of the Southeast	
1975	Pendergrast E E	General Telephone Company of the Southeast	
1963	Pendergrast Ernest E	Hill Directory Co., Inc., Publishers	
1958	Pendergrast Ernest E	Hill Directory Co., Inc., Publishers	
1954	Pendergrast Ernest E	Hill Directory Co., Inc., Publishers	
1949	Pendergrast Ernest E	Hill Directory Co., Inc., Publishers	
1944	Pendergrast J scar	Hill Directory Co., Inc.,	Image pg. A5
1940	Pendergrast J Oscar	Hill Directory Co., Inc., Publishers	
1935	Pendergrast J Oscar	Hill Directory Co., Inc., Publishers	
1930	Williams Marvin V	Hill Directory Co., Inc., Publishers	
1925	Turner J **T**	Hill Directory Co., Inc., Publishers	
1920	Waller Romey	Hill Directory Co., Inc., Publishers	

FINDINGS

932 ORIENT

Year	Uses	Source	
1975	Thomas Luther M Mrs	General Telephone Company of the Southeast	
1963	Thomas Luther M	Hill Directory Co., Inc., Publishers	
	N&W cross	Hill Directory Co., Inc., Publishers	
1958	No Return	Hill Directory Co., Inc., Publishers	
1954	Moss R Earl	Hill Directory Co., Inc., Publishers	
1949	Moss R Earl	Hill Directory Co., Inc., Publishers	
1944	Mss Rbt E	Hill Directory Co., Inc.,	Image pg. A5
	N&WRy crsses	Hill Directory Co., Inc.,	Image pg. A5
	ws nt pen	Hill Directory Co., Inc.,	Image pg. A5
1940	Moss R Earl	Hill Directory Co., Inc., Publishers	
	Duke Power Co power hse	Hill Directory Co., Inc., Publishers	
1935	Porter Bettie Mrs	Hill Directory Co., Inc., Publishers	
	Duke Power Co power hse	Hill Directory Co., Inc., Publishers	
1930	Duke Power Co sub sta	Hill Directory Co., Inc., Publishers	
	Lee Allison D	Hill Directory Co., Inc., Publishers	
1925	So Power Co sub station	Hill Directory Co., Inc., Publishers	
	King L A	Hill Directory Co., Inc., Publishers	
1920	Southern Power Co sub station	Hill Directory Co., Inc., Publishers	
	Hunter A H	Hill Directory Co., Inc., Publishers	

ORIENT ST

904 ORIENT ST

Year	Uses	Source
2009	H Loez Jose	infoUSA City Directories

906 ORIENT ST

Year	Uses	Source	
2009	907 910 913 NCL	infoUSA City Directories	
2002	Not Verified	Polk Directories	Image pg. A55
1997	Thomas Wendy K	The Polk Co. City Directories	Image pg. A47
1995	Spencer Debbie M	R. L. Polk Co.	Image pg. A38
1990	Riley Norma J	R. L. Polk Co.	Image pg. A31
1983	Pendergrast Mamnie C Mrs	R. L. Polk Co.	Image pg. A23
1969	PENDERGRAST M ELWOOD	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

FINDINGS

907 ORIENT ST

Year	Uses	Source	
2002	Dooley Kimberly L IG	Polk Directories	Image pg. A55
1997	Wade Lena D	The Polk Co. City Directories	Image pg. A47
	Eller A L	The Polk Co. City Directories	Image pg. A47
1995	Not Verified	R. L. Polk Co.	Image pg. A38
1990	No Return	R. L. Polk Co.	Image pg. A31
1983	Hunt Claude E	R. L. Polk Co.	Image pg. A23
1969	HUNT CLAUDE E	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

910 ORIENT ST

Year	Uses	Source	
2002	910 913 Not Verified 2 Hses	Polk Directories	Image pg. A55
1997	Minasse Baede M	The Polk Co. City Directories	Image pg. A47
1995	Duncan A J	R. L. Polk Co.	Image pg. A38
1990	Seguin Robert H	R. L. Polk Co.	Image pg. A31
1983	Vacant	R. L. Polk Co.	Image pg. A23
1969	NANCE ROBT L REV	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

913 ORIENT ST

Year	Uses	Source	
2002	910 913 Not Verified 2 Hses	Polk Directories	Image pg. A55
1997	Jackson S	The Polk Co. City Directories	Image pg. A47
1995	Not Verified	R. L. Polk Co.	Image pg. A38
1990	Vacant	R. L. Polk Co.	Image pg. A31
1983	Johnson Phyllis Y	R. L. Polk Co.	Image pg. A23
1969	MANGUM MAYONIE M MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

914 ORIENT ST

Year	Uses	Source	
2009	H Cockrell Betty	infoUSA City Directories	
2002	Cockrell Jack C E	Polk Directories	Image pg. A55
	Cockrell Betty	Polk Directories	Image pg. A55
1997	Cockrell Jack C	The Polk Co. City Directories	Image pg. A47
1995	Cockrell Betty M	R. L. Polk Co.	Image pg. A38
1990	Cockrell Betty M	R. L. Polk Co.	Image pg. A31
1983	Cockrell Betty M	R. L. Polk Co.	Image pg. A23
1969	COCKRELL JACK C	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

FINDINGS

915 ORIENT ST

Year	Uses	Source	
2009	918 919 920 921 922 NCL	infoUSA City Directories	
2002	Rhule Dana M	Polk Directories	Image pg. A55
1997	Not Verified	The Polk Co. City Directories	Image pg. A47
1995	King Darlene V	R. L. Polk Co.	Image pg. A38
	King David H I	R. L. Polk Co.	Image pg. A38
	King Tommy G	R. L. Polk Co.	Image pg. A38
	King James E EI	R. L. Polk Co.	Image pg. A38
1990	King Darlene	R. L. Polk Co.	Image pg. A31
1983	High Curtis W	R. L. Polk Co.	Image pg. A23
1969	MANNESS GEO W	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

918 ORIENT ST

Year	Uses	Source	
2002	Pettrford Kermit P & Dorothy 1 A Wi	Polk Directories	Image pg. A55
1997	Pettiford Kermitt P & Dorothy	The Polk Co. City Directories	Image pg. A47
1995	Pettiford Kermit & Dorothy I	R. L. Polk Co.	Image pg. A38
1990	Pettiford Kermit	R. L. Polk Co.	Image pg. A31
1983	Atkins Sanmnie C	R. L. Polk Co.	Image pg. A23
1969	TILLEY NOLINE N MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

919 ORIENT ST

Year	Uses	Source	
2002	Schonwald Ellen B	Polk Directories	Image pg. A55
	Schonwald Aaron	Polk Directories	Image pg. A55
1997	Schonwald Aaron	The Polk Co. City Directories	Image pg. A47
	Schonwald Ellen B	The Polk Co. City Directories	Image pg. A47
1995	Wilkerson Jacqueline	R. L. Polk Co.	Image pg. A38
1990	919 920 No Return 2 Hses	R. L. Polk Co.	Image pg. A31
1983	Shropshire Nannie F	R. L. Polk Co.	Image pg. A23
1969	SHROPSHIRE H LONNIE	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

920 ORIENT ST

Year	Uses	Source	
2002	920 925 Not Verified 5 Hses	Polk Directories	Image pg. A55
1997	Poole William E	The Polk Co. City Directories	Image pg. A47
	Poole Jeff	The Polk Co. City Directories	Image pg. A47

FINDINGS

Year	Uses	Source	
1995	920 922 Not Verified 3 Haes	R. L. Polk Co.	Image pg. A38
1990	919 920 No Return 2 Hses	R. L. Polk Co.	Image pg. A31
1983	Draughan Bright	R. L. Polk Co.	Image pg. A23
1969	DRAUGHAN CHARLES B	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

921 ORIENT ST

Year	Uses	Source	
1997	Owens Ralph	The Polk Co. City Directories	Image pg. A47
	Thorpe Stephon	The Polk Co. City Directories	Image pg. A47
1990	Oldham Herbert W	R. L. Polk Co.	Image pg. A31
1983	Oldham Herbert W	R. L. Polk Co.	Image pg. A23
1969	A MASHBURN EVA M MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14
	OLDHAM HERBERT W	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

922 ORIENT ST

Year	Uses	Source	
1997	Erickson Franklin D	The Polk Co. City Directories	Image pg. A47
1995	920 922 Not Verified 3 Haes	R. L. Polk Co.	Image pg. A38
1990	Erexson Frank	R. L. Polk Co.	Image pg. A31
1983	Erexson Carrie L Mrs	R. L. Polk Co.	Image pg. A23
1969	EREXSON CARRIE L MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

923 ORIENT ST

Year	Uses	Source	
2009	Monroe Yvonne	infoUSA City Directories	
1997	Solomon Christopher E	The Polk Co. City Directories	Image pg. A47
1995	Solomon Christopher 12 E	R. L. Polk Co.	Image pg. A38
1990	Acrey Faye H	R. L. Polk Co.	Image pg. A31
1983	Acrey Gilbert D Jr	R. L. Polk Co.	Image pg. A23
1969	WATKINS EUG	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14
	MC CRAY IRENE W MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

925 ORIENT ST

Year	Uses	Source	
2009	Mancilla Olvera Genaro	infoUSA City Directories	
2002	920 925 Not Verified 5 Hses	Polk Directories	Image pg. A55

FINDINGS

Year	Uses	Source	
1997	Pewell Jermal M	The Polk Co. City Directories	Image pg. A47
	Powell Jermal M	The Polk Co. City Directories	Image pg. A47
	Powell Jennal	The Polk Co. City Directories	Image pg. A47
1995	Miller Ruby M Eh	R. L. Polk Co.	Image pg. A38
1990	Miller Ruby M Mrs	R. L. Polk Co.	Image pg. A31
1983	Miller Ruby M Mrs	R. L. Polk Co.	Image pg. A23
1969	MILLER RUBY M MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

926 ORIENT ST

Year	Uses	Source	
2009	Thomas Monas	infoUSA City Directories	
	Anderson Joyce	infoUSA City Directories	
2002	Moore Michael E A	Polk Directories	Image pg. A55
	Moore Kimberly	Polk Directories	Image pg. A55
1997	Peninger David L	The Polk Co. City Directories	Image pg. A47
	Peninger Mazelfe T	The Polk Co. City Directories	Image pg. A47
1995	Peninger Mazelle T	R. L. Polk Co.	Image pg. A38
1990	Peninger Mazelle T	R. L. Polk Co.	Image pg. A31
1983	Peninger Mazelle T	R. L. Polk Co.	Image pg. A23
1969	PENINGER DAVID J JR	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

928 ORIENT ST

Year	Uses	Source	
2009	H Miler R S	infoUSA City Directories	
2002	928 929 Not Verified 2 Hses	Polk Directories	Image pg. A55
1997	Miller Richard S & Mary	The Polk Co. City Directories	Image pg. A47
1995	Not Verified	R. L. Polk Co.	Image pg. A38
1990	No Return	R. L. Polk Co.	Image pg. A31
1983	Miller Steve	R. L. Polk Co.	Image pg. A23
1969	WILLIAMS HORACE L HUCKSTER	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

929 ORIENT ST

Year	Uses	Source	
2009	932 Na C	infoUSA City Directories	
2002	928 929 Not Verified 2 Hses	Polk Directories	Image pg. A55
1997	Thompson Donna M	The Polk Co. City Directories	Image pg. A47
1995	Pendergrast Clara C h	R. L. Polk Co.	Image pg. A38
1990	Pendergrast Clara C Mrs	R. L. Polk Co.	Image pg. A31

FINDINGS

Year	Uses	Source	
1983	Pendergrast Ernest E	R. L. Polk Co.	Image pg. A23
1969	PENDERGRAST ERNEST E	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

932 ORIENT ST

Year	Uses	Source	
2002	Torres Roberto	Polk Directories	Image pg. A55
1997	Not Verified	The Polk Co. City Directories	Image pg. A47
1995	Not Verified	R. L. Polk Co.	Image pg. A38
1990	Vacant	R. L. Polk Co.	Image pg. A31
1983	Pratt Leroy	R. L. Polk Co.	Image pg. A23
1969	THOMAS LUTHER M	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A14

ORIENT/TRINITY AV

ORIENT/TRINITY AV

Year	Uses	Source	
1995	ORIENT/TRINITY AV	R. L. Polk Co.	Image pg. A38

TRINITY

807 TRINITY

Year	Uses	Source
1979	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source
1979	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
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	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source
1979	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
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	Duke Players	General Telephone Company of the Southeast
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	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source
1979	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Lerner Shops No 360	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
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	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source
1979	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
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	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	DUKE UNIVERSITY Accounting Department Accounts	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast

Year	Uses	Source
1979	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
	Duke Players	General Telephone Company of the Southeast
1975	DUKE UNIVERSITY	General Telephone Company of the Southeast
	DUKE UNIVERSITY	General Telephone Company of the Southeast
	DUKE UNIVERSITY	General Telephone Company of the Southeast
	DUKE UNIVERSITY	General Telephone Company of the Southeast
	DUKE UNIVERSITY	General Telephone Company of the Southeast
	DUKE UNIVERSITY	General Telephone Company of the Southeast
	Teasley Helen	General Telephone Company of the Southeast

TRINITY AVE

807 TRINITY AVE

Year	Uses	Source
1975	Turner James	General Telephone Company of the Southeast

TRINITY AVE W

412 TRINITY AVE W

Year	Uses	Source
1920	Cunningham Chapel	Hill Directory Co., Inc., Publishers
	Perry N L	Hill Directory Co., Inc., Publishers

701 TRINITY AVE W

Year	Uses	Source	
1995	WATSONS INN rooming house	R. L. Polk Co.	Image pg. A39
	RBSTRICTED ACCESS	R. L. Polk Co.	Image pg. A39
	Not Verified	R. L. Polk Co.	Image pg. A39
1990	Watson Inn	R. L. Polk Co.	Image pg. A32
	U 9Rice Nancy W	R. L. Polk Co.	Image pg. A32
	U 10Watson Gordon	R. L. Polk Co.	Image pg. A32
	U 13Monk Gerald	R. L. Polk Co.	Image pg. A32
	b Vacant	R. L. Polk Co.	Image pg. A32
	L 1Davis Chas	R. L. Polk Co.	Image pg. A32
	L 2 Vacant	R. L. Polk Co.	Image pg. A32
	L 3Hart Chas	R. L. Polk Co.	Image pg. A32
	L 4 No Return	R. L. Polk Co.	Image pg. A32
	L 5Chavis Jas	R. L. Polk Co.	Image pg. A32
	L 6Cunningham Brock	R. L. Polk Co.	Image pg. A32
	Mull Donald	R. L. Polk Co.	Image pg. A32
	Ul Vacant	R. L. Polk Co.	Image pg. A32
	U 2 Bailey Geo	R. L. Polk Co.	Image pg. A32
	U 5Miller Shelton	R. L. Polk Co.	Image pg. A32
	U 6Hackney Troy	R. L. Polk Co.	Image pg. A32
	U 7Jones Ronald	R. L. Polk Co.	Image pg. A32
	U 8Lusk Ken	R. L. Polk Co.	Image pg. A32
	U 9 Vacant	R. L. Polk Co.	Image pg. A32
	b Wright Larry	R. L. Polk Co.	Image pg. A32
1983	Woods House apts	R. L. Polk Co.	Image pg. A24
	Woods Nancy Mrs	R. L. Polk Co.	Image pg. A24
1969	WOODS HOUSE APTS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	RICE NANCY W MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
1963	Woods Hse	Hill Directory Co., Inc., Publishers	
	1st fl Rice Nancy W Mrs	Hill Directory Co., Inc., Publishers	

FINDINGS

Year	Uses	Source	
1963	Blankenship Ollie T	Hill Directory Co., Inc., Publishers	
1958	Woods Ella L Mrs gro	Hill Directory Co., Inc., Publishers	
	Medlin Boyce C	Hill Directory Co., Inc., Publishers	
1954	Woods Ella L Mrs gro	Hill Directory Co., Inc., Publishers	
1949	Woods J S Grocery	Hill Directory Co., Inc., Publishers	
1944	Woods Lou Ella W Mrs gro	Hill Directory Co., Inc.,	Image pg. A6
1940	Woods Lou Ella W Mrs gro	Hill Directory Co., Inc., Publishers	
1935	Woods Ella E Mrs gro	Hill Directory Co., Inc., Publishers	

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Year	Uses	Source
1930	Woods Jos S gro	Hill Directory Co., Inc., Publishers

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Year	Uses	Source	
1995	DUKE DIET & FITNESS CENTER clinics	R. L. Polk Co.	Image pg. A39
1990	Duke Diet & Fitness Center clinics	R. L. Polk Co.	Image pg. A32

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Year	Uses	Source	
1995	DUKE TOWER RESIDENTIAL SUITES	R. L. Polk Co.	Image pg. A39
	apartment	R. L. Polk Co.	Image pg. A39
1983	Gettinger Barbara	R. L. Polk Co.	Image pg. A24
	Singer Sol	R. L. Polk Co.	Image pg. A24
	Goldstein Robin	R. L. Polk Co.	Image pg. A24
	Brumnl Leslie R	R. L. Polk Co.	Image pg. A24
	Sterling Rosilyn F	R. L. Polk Co.	Image pg. A24
	Levine Nancy	R. L. Polk Co.	Image pg. A24
	Pearl Gail	R. L. Polk Co.	Image pg. A24
	Sands Rosalind	R. L. Polk Co.	Image pg. A24
	Harmon Mary D	R. L. Polk Co.	Image pg. A24
	Flood Ruth	R. L. Polk Co.	Image pg. A24
	Weinstein Thelma	R. L. Polk Co.	Image pg. A24
	Podlosky Howard	R. L. Polk Co.	Image pg. A24
	Davis Quintin	R. L. Polk Co.	Image pg. A24
	Steinberg Marilyn	R. L. Polk Co.	Image pg. A24
	Jacobs Idyle	R. L. Polk Co.	Image pg. A24
	Danzinger Allen	R. L. Polk Co.	Image pg. A24
	Clark Sally	R. L. Polk Co.	Image pg. A24

FINDINGS

Year	Uses	Source	
1983	Geller Elice M	R. L. Polk Co.	Image pg. A24
	Cooper Beatrice	R. L. Polk Co.	Image pg. A24
	Ambra Gloria	R. L. Polk Co.	Image pg. A24
	Harrington Polk C	R. L. Polk Co.	Image pg. A24
	Smith Calvin J	R. L. Polk Co.	Image pg. A24
	Chemoff Arnold M	R. L. Polk Co.	Image pg. A24
	Janaskie Jon	R. L. Polk Co.	Image pg. A24
	Wilfong Lydia	R. L. Polk Co.	Image pg. A24
	Sherman Julie D	R. L. Polk Co.	Image pg. A24
	Parker Thos A	R. L. Polk Co.	Image pg. A24
	Karl Tina	R. L. Polk Co.	Image pg. A24
	Gunter Emory	R. L. Polk Co.	Image pg. A24
	Weiss Elaine	R. L. Polk Co.	Image pg. A24
	Brown Claudia	R. L. Polk Co.	Image pg. A24
	Gillaspy Marge	R. L. Polk Co.	Image pg. A24
	Dubin Jan A	R. L. Polk Co.	Image pg. A24
	Lerman David S	R. L. Polk Co.	Image pg. A24
	Carmichael Bernice E	R. L. Polk Co.	Image pg. A24
	Ciuccio Patrick V	R. L. Polk Co.	Image pg. A24
	Apt 156 Young Sorel Q	R. L. Polk Co.	Image pg. A24
	Kober Fred	R. L. Polk Co.	Image pg. A24
	Barrett Jack	R. L. Polk Co.	Image pg. A24
	Jones Julie	R. L. Polk Co.	Image pg. A24
	No Return	R. L. Polk Co.	Image pg. A24
	Lacayo Haydee M	R. L. Polk Co.	Image pg. A24
	Harold Dorothy A	R. L. Polk Co.	Image pg. A24
	Levin Ruth	R. L. Polk Co.	Image pg. A24
	Arenson Lucille G	R. L. Polk Co.	Image pg. A24
	Butz D	R. L. Polk Co.	Image pg. A24
	Cishek Frank Mrs	R. L. Polk Co.	Image pg. A24
	Korman Laura	R. L. Polk Co.	Image pg. A24
	Forman Bette	R. L. Polk Co.	Image pg. A24
	Meitzen Carl	R. L. Polk Co.	Image pg. A24
	Bolling Juanita B	R. L. Polk Co.	Image pg. A24
	Brennan David L	R. L. Polk Co.	Image pg. A24
	Thomas Wm B	R. L. Polk Co.	Image pg. A24
	Paganelli Delores	R. L. Polk Co.	Image pg. A24
	Hushi Claudia	R. L. Polk Co.	Image pg. A24

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Year	Uses	Source	
1983	Pfister Robt	R. L. Polk Co.	Image pg. A24
	Zimmerman Helene	R. L. Polk Co.	Image pg. A24
	Grippo Frank	R. L. Polk Co.	Image pg. A24
	Costello Letha A	R. L. Polk Co.	Image pg. A24
	Carter Robt	R. L. Polk Co.	Image pg. A24
	Brodoff Phyllis	R. L. Polk Co.	Image pg. A24
	Hopkins Mary	R. L. Polk Co.	Image pg. A24
	Samnuels Risa	R. L. Polk Co.	Image pg. A24
	Taylor Joanie F	R. L. Polk Co.	Image pg. A24
	Duke Tower Apartments	R. L. Polk Co.	Image pg. A24
	Kove Helen	R. L. Polk Co.	Image pg. A24
	Benchoff Jean	R. L. Polk Co.	Image pg. A24
	Herman Regina	R. L. Polk Co.	Image pg. A24
	Seiler Saml	R. L. Polk Co.	Image pg. A24
	Cates Wm D	R. L. Polk Co.	Image pg. A24
	Perlman H	R. L. Polk Co.	Image pg. A24
	Levine A Jack	R. L. Polk Co.	Image pg. A24
	Fishman Max	R. L. Polk Co.	Image pg. A24
	Salloy Paula E	R. L. Polk Co.	Image pg. A24
	Bakeman Harriett B	R. L. Polk Co.	Image pg. A24
	Ferretti Maura	R. L. Polk Co.	Image pg. A24
	Peacock Robt	R. L. Polk Co.	Image pg. A24
	Levin Bobbie P	R. L. Polk Co.	Image pg. A24
	malley Carlon	R. L. Polk Co.	Image pg. A24
	Westreich Helene	R. L. Polk Co.	Image pg. A24
	Egan Evelyn	R. L. Polk Co.	Image pg. A24
	Campbell Steve	R. L. Polk Co.	Image pg. A24
	Andrews Sandy	R. L. Polk Co.	Image pg. A24
	Feldman Morris H	R. L. Polk Co.	Image pg. A24
	Smith Alice M	R. L. Polk Co.	Image pg. A24
	Hogden Linda	R. L. Polk Co.	Image pg. A24
	Fawbush Donna L	R. L. Polk Co.	Image pg. A24
	Artz Saundra	R. L. Polk Co.	Image pg. A24
	Franzell Marc	R. L. Polk Co.	Image pg. A24
	Silver Rhoda A	R. L. Polk Co.	Image pg. A24
	Bernstein Marion	R. L. Polk Co.	Image pg. A24
	Adisman Joan	R. L. Polk Co.	Image pg. A24
	OConnor Ellen	R. L. Polk Co.	Image pg. A24

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Year	Uses	Source	
1983	Kelin Barbara	R. L. Polk Co.	Image pg. A24
	Pressman Gladys	R. L. Polk Co.	Image pg. A24
	West Leon A	R. L. Polk Co.	Image pg. A24
	Simons Nancy N	R. L. Polk Co.	Image pg. A24
	Glazier Pamela	R. L. Polk Co.	Image pg. A24
	Careaga Beatrice	R. L. Polk Co.	Image pg. A24
	Cole Frances	R. L. Polk Co.	Image pg. A24
	Reich Audrey	R. L. Polk Co.	Image pg. A24
	Rosner Melvin	R. L. Polk Co.	Image pg. A24
	Fischman Janice	R. L. Polk Co.	Image pg. A24
	Corwin Larry	R. L. Polk Co.	Image pg. A24
	Akiss Virginia	R. L. Polk Co.	Image pg. A24
	Speiza Rose	R. L. Polk Co.	Image pg. A24
	Bennette Richd	R. L. Polk Co.	Image pg. A24
	Brennan Joseph	R. L. Polk Co.	Image pg. A24
	Nochenson Al	R. L. Polk Co.	Image pg. A24
	Clinque Joe	R. L. Polk Co.	Image pg. A24
	Van Hook Helen	R. L. Polk Co.	Image pg. A24
	Baker Dona	R. L. Polk Co.	Image pg. A24
	Katz Bert	R. L. Polk Co.	Image pg. A24
	Zaleski Anita M	R. L. Polk Co.	Image pg. A24
	Jacklone Margt A	R. L. Polk Co.	Image pg. A24
	Lambrose Lillian	R. L. Polk Co.	Image pg. A24
	Yardley Kim	R. L. Polk Co.	Image pg. A24
	Greenburg Milton	R. L. Polk Co.	Image pg. A24
	Orlando Rosalie	R. L. Polk Co.	Image pg. A24
	Shapiro Mort	R. L. Polk Co.	Image pg. A24
1969	VACANT	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
1963	Erwin Mills Inc Mill No 6 cotton	Hill Directory Co., Inc., Publishers	
	gds mfrs	Hill Directory Co., Inc., Publishers	
1958	Erwin Mills Inc mill No	Hill Directory Co., Inc., Publishers	
1954	Erwin Mills Inc mill No	Hill Directory Co., Inc., Publishers	
1949	Erwin Cotton Mills The	Hill Directory Co., Inc., Publishers	
	mill No	Hill Directory Co., Inc., Publishers	
1944	Erwin Cotton Mills Co	Hill Directory Co., Inc.,	Image pg. A6
	The mill No	Hill Directory Co., Inc.,	Image pg. A6
1940	Erwin Cotton Mills Co The mill No	Hill Directory Co., Inc., Publishers	
1935	Erwin Cotton Mills No	Hill Directory Co., Inc., Publishers	

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Year	Uses	Source	
1990	Collins Willie	R. L. Polk Co.	Image pg. A32
	Holeman Clinton	R. L. Polk Co.	Image pg. A32
	Larry Mitchell	R. L. Polk Co.	Image pg. A32
	No Return	R. L. Polk Co.	Image pg. A32
	Wright Monique	R. L. Polk Co.	Image pg. A32
	Boykin Natlie C	R. L. Polk Co.	Image pg. A32
	Judkins Patricia A	R. L. Polk Co.	Image pg. A32
	No Return	R. L. Polk Co.	Image pg. A32
	Grissom Vernell	R. L. Polk Co.	Image pg. A32
	Bellamy Ralph	R. L. Polk Co.	Image pg. A32
	Yancy Sabrina Mrs	R. L. Polk Co.	Image pg. A32
	Parker Cynthia	R. L. Polk Co.	Image pg. A32
	Mc Lean Kenneth	R. L. Polk Co.	Image pg. A32
	Cofield Wanda	R. L. Polk Co.	Image pg. A32
	Apartments	R. L. Polk Co.	Image pg. A32
	Yandle David R	R. L. Polk Co.	Image pg. A32
	May Marcie	R. L. Polk Co.	Image pg. A32
	Hill L S	R. L. Polk Co.	Image pg. A32
	Allen Walter L	R. L. Polk Co.	Image pg. A32
	Turner	R. L. Polk Co.	Image pg. A32
	No Return	R. L. Polk Co.	Image pg. A32
	Rollins Herman L	R. L. Polk Co.	Image pg. A32
1983	Executive Apartments	R. L. Polk Co.	Image pg. A24
	Parker Harold M	R. L. Polk Co.	Image pg. A24
	Smith Adria	R. L. Polk Co.	Image pg. A24
	Hill Lestie S	R. L. Polk Co.	Image pg. A24
	Barber Mildred	R. L. Polk Co.	Image pg. A24
	Brown Larry L	R. L. Polk Co.	Image pg. A24
	James Billy E	R. L. Polk Co.	Image pg. A24
	Blake Annette L	R. L. Polk Co.	Image pg. A24
	Armstrong M Minnie	R. L. Polk Co.	Image pg. A24
	Cates Thos L	R. L. Polk Co.	Image pg. A24
	Davis Calvin	R. L. Polk Co.	Image pg. A24
	Scott Hilda J	R. L. Polk Co.	Image pg. A24
	Clayton Sheila	R. L. Polk Co.	Image pg. A24
	Brown Barbara C	R. L. Polk Co.	Image pg. A24
	Daniels Anthony	R. L. Polk Co.	Image pg. A24

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Year	Uses	Source	
1983	Seaton Donna	R. L. Polk Co.	Image pg. A24
	Nichols Margt	R. L. Polk Co.	Image pg. A24
	Gooch Veronica	R. L. Polk Co.	Image pg. A24
	Scott Howard R Jr	R. L. Polk Co.	Image pg. A24
	Bullock Tony K	R. L. Polk Co.	Image pg. A24
	Parker Cynthia D	R. L. Polk Co.	Image pg. A24
	Batts Willa J	R. L. Polk Co.	Image pg. A24
	Eubanks Alexia D	R. L. Polk Co.	Image pg. A24
1969	EXECUTIVE APARTMENTS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	JEFFREYS CLAUDIA L	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	CARROLL PAT	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	VACANT	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	WOMBLE ELLEN M	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	LANG STEPH N	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	ROBINSON G N	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	VANBRUGGEN JOHN B	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	BRESSLER RICHD E	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	FRAZER MARSHALL G	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	HODGKINS NORRIS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	SVERAK LYDIA L	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	GREEN MARY S MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	BINEN DANA K	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	BRYANT ALEX J	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	CARLISLE TROY	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	EASTON ROBT	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	DURHAM W H	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	HOLSHOUSER VIRGIL A	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15

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Year	Uses	Source	
1963	Holt Ralph E	Hill Directory Co., Inc., Publishers	
1958	Holt Ralph E	Hill Directory Co., Inc., Publishers	
1954	Knight R Herman	Hill Directory Co., Inc., Publishers	
1949	Knight R Herman	Hill Directory Co., Inc., Publishers	
1944	Knight R Herman	Hill Directory Co., Inc.,	Image pg. A6
1940	Knight R Herman	Hill Directory Co., Inc., Publishers	
1935	Knight Robt H	Hill Directory Co., Inc., Publishers	
1930	Knight Robt H	Hill Directory Co., Inc., Publishers	
1925	Knight R H	Hill Directory Co., Inc., Publishers	
1920	Hart W R	Hill Directory Co., Inc., Publishers	

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Year	Uses	Source
1925	Trinity Av Presbyterian	Hill Directory Co., Inc., Publishers
	Church	Hill Directory Co., Inc., Publishers
1920	Second Presbyterian Church	Hill Directory Co., Inc., Publishers

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Year	Uses	Source	
1995	TRINITY APARTMENTS	R. L. Polk Co.	Image pg. A39
	1 12 Not Verified 12 Apts	R. L. Polk Co.	Image pg. A39
	1 12 Not Verified 12 Apts	R. L. Polk Co.	Image pg. A39
1990	Trinity Apartments	R. L. Polk Co.	Image pg. A32
	Amberg Robt Jr	R. L. Polk Co.	Image pg. A32
	Hart Josephine C Mrs	R. L. Polk Co.	Image pg. A32
	Wayman Hall	R. L. Polk Co.	Image pg. A32
	Henson Shea A	R. L. Polk Co.	Image pg. A32
	Smith Ken	R. L. Polk Co.	Image pg. A32
	Harrell Sheila L	R. L. Polk Co.	Image pg. A32
	De Vos Martine	R. L. Polk Co.	Image pg. A32
	Young Virginia	R. L. Polk Co.	Image pg. A32
	Lebowitz Leslie	R. L. Polk Co.	Image pg. A32
	No Return	R. L. Polk Co.	Image pg. A32
	Little Alice	R. L. Polk Co.	Image pg. A32
1983	Trinity Apartments	R. L. Polk Co.	Image pg. A24
	Mc Minn Emeline C	R. L. Polk Co.	Image pg. A24
	Hart Josephine C Mrs	R. L. Polk Co.	Image pg. A24
	Warren Marion	R. L. Polk Co.	Image pg. A24

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Year	Uses	Source	
1983	Webster Lydia M	R. L. Polk Co.	Image pg. A24
	Green Mary S	R. L. Polk Co.	Image pg. A24
	Scoggins Irmna M	R. L. Polk Co.	Image pg. A24
	Loadon Cath	R. L. Polk Co.	Image pg. A24
	Hocutt Doris F	R. L. Polk Co.	Image pg. A24
	Mc Cleod Mannie	R. L. Polk Co.	Image pg. A24
	Tayloe Lela S Mrs	R. L. Polk Co.	Image pg. A24
	Armstrong Sarah L	R. L. Polk Co.	Image pg. A24
	Dove Janie W Mrs	R. L. Polk Co.	Image pg. A24
1969	TRINITY APARTMENTS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	SPARROW NELLIE C MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	HART JOSEPHINE C MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	WARREN MARION	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	DICKERSON LOU E	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	BARBEE AUDREY T	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	SCOGGINS IRMA M	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	POLLARD HARVEY S	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	TOBIN DAVID R	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	CATES EFFIE C MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	TAYLOR LELA MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	ROGERS SARAH T MRS	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
	VACANT	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
1963	Trinity Apartments	Hill Directory Co., Inc., Publishers	
	Sparrow Mellie C Mrs	Hill Directory Co., Inc., Publishers	
	Hart Josephine C Mrs	Hill Directory Co., Inc., Publishers	
	Warren Marion B	Hill Directory Co., Inc., Publishers	
	Lockhart David	Hill Directory Co., Inc., Publishers	
	Vrooman Edw A	Hill Directory Co., Inc., Publishers	
	Scoggins Irma M	Hill Directory Co., Inc., Publishers	
	gds mfrs	Hill Directory Co., Inc., Publishers	
	Pollard Harvey S	Hill Directory Co., Inc., Publishers	

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Year	Uses	Source
1963	Little Helen C Mrs	Hill Directory Co., Inc., Publishers
	Vacant	Hill Directory Co., Inc., Publishers
	Taylor Lela S Mrs	Hill Directory Co., Inc., Publishers
	Vacant	Hill Directory Co., Inc., Publishers
	No Return	Hill Directory Co., Inc., Publishers
1958	Triatty Apt S	Hill Directory Co., Inc., Publishers
	Sparrow Mellie C Mrs	Hill Directory Co., Inc., Publishers
	Hart Josephine C Mrs	Hill Directory Co., Inc., Publishers
	Warren Cora M Mrs	Hill Directory Co., Inc., Publishers
	Vacant	Hill Directory Co., Inc., Publishers
	Vacant	Hill Directory Co., Inc., Publishers
	Holler John W	Hill Directory Co., Inc., Publishers
	Pollard Harvey S	Hill Directory Co., Inc., Publishers
	Vacant	Hill Directory Co., Inc., Publishers
	Vacant	Hill Directory Co., Inc., Publishers
	Barkley David S	Hill Directory Co., Inc., Publishers
	Davis Carter L	Hill Directory Co., Inc., Publishers
	Warren Nick	Hill Directory Co., Inc., Publishers
1954	Trinity Apts	Hill Directory Co., Inc., Publishers
	Grosewald Sol L	Hill Directory Co., Inc., Publishers
	Holland Alton R	Hill Directory Co., Inc., Publishers
	Warren Cora M Mrs	Hill Directory Co., Inc., Publishers
	Hockfield Saml H	Hill Directory Co., Inc., Publishers
	Swartz Max	Hill Directory Co., Inc., Publishers
	Lea Clyde S	Hill Directory Co., Inc., Publishers
	Pollard Harvey S	Hill Directory Co., Inc., Publishers
	Sanders H Robt	Hill Directory Co., Inc., Publishers
	Brown Robt M	Hill Directory Co., Inc., Publishers
	Byrd Robt	Hill Directory Co., Inc., Publishers
	Wood Robt M	Hill Directory Co., Inc., Publishers
	Carter Davis L	Hill Directory Co., Inc., Publishers
1949	Trinity Apts	Hill Directory Co., Inc., Publishers
	Carver W S	Hill Directory Co., Inc., Publishers
	Miles Effie Mrs	Hill Directory Co., Inc., Publishers
	Warren Cora M Mrs	Hill Directory Co., Inc., Publishers
	Hockfield Sami	Hill Directory Co., Inc., Publishers
	Swartz Max	Hill Directory Co., Inc., Publishers
	Webb Wm C	Hill Directory Co., Inc., Publishers

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Year	Uses	Source	
1949	Pollard Harvey S	Hill Directory Co., Inc., Publishers	
	Lyon Jesse B	Hill Directory Co., Inc., Publishers	
	Elkins Edith Mrs	Hill Directory Co., Inc., Publishers	
	Pendergrass Ellen S Mrs	Hill Directory Co., Inc., Publishers	
	Martin James B	Hill Directory Co., Inc., Publishers	
	Ellington Nell	Hill Directory Co., Inc., Publishers	
1944	Trinity Apartments	Hill Directory Co., Inc.,	Image pg. A6
	Warren Linwood A	Hill Directory Co., Inc.,	Image pg. A6
	Johnson Ernest L	Hill Directory Co., Inc.,	Image pg. A6
	Warren Cora M Mrs	Hill Directory Co., Inc.,	Image pg. A6
	Hockfield Sami	Hill Directory Co., Inc.,	Image pg. A6
	Swartz Max	Hill Directory Co., Inc.,	Image pg. A6
	Vacant	Hill Directory Co., Inc.,	Image pg. A6
	Pollard Harvey S	Hill Directory Co., Inc.,	Image pg. A6
	Hayes Wesley R	Hill Directory Co., Inc.,	Image pg. A6
	Allen Oral G	Hill Directory Co., Inc.,	Image pg. A6
	Pendergrass Ellen S Mrs	Hill Directory Co., Inc.,	Image pg. A6
	Donnelly Abner R	Hill Directory Co., Inc.,	Image pg. A6
	Miller Frank H	Hill Directory Co., Inc.,	Image pg. A6
	Ellington Nell	Hill Directory Co., Inc.,	Image pg. A6
	Street continued	Hill Directory Co., Inc.,	Image pg. A6
1940	Trinity Apartnments	Hill Directory Co., Inc., Publishers	
	Bowen Clarence P	Hill Directory Co., Inc., Publishers	
	Sutherland Marshall C	Hill Directory Co., Inc., Publishers	
	Warren Cora M Mrs	Hill Directory Co., Inc., Publishers	
	Bass Wm C	Hill Directory Co., Inc., Publishers	
	Swartz Max	Hill Directory Co., Inc., Publishers	
	Thompson Arnold R	Hill Directory Co., Inc., Publishers	
	Fowler Horace W	Hill Directory Co., Inc., Publishers	
	Campbell Anne H Mrs	Hill Directory Co., Inc., Publishers	
	Eisenberg Saml L	Hill Directory Co., Inc., Publishers	
	Vacant	Hill Directory Co., Inc., Publishers	
	Vacant	Hill Directory Co., Inc., Publishers	
	Umstead Kate G	Hill Directory Co., Inc., Publishers	
1935	Trinity The	Hill Directory Co., Inc., Publishers	
	Bowen Clarence P	Hill Directory Co., Inc., Publishers	
	Dass Wm C	Hill Directory Co., Inc., Publishers	
	Cekada Emil B	Hill Directory Co., Inc., Publishers	

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Year	Uses	Source
1935	Ratchford Benj U	Hill Directory Co., Inc., Publishers
	Kirkland R Milton	Hill Directory Co., Inc., Publishers
	Crowder Alonza W	Hill Directory Co., Inc., Publishers
	Trantham Harold D	Hill Directory Co., Inc., Publishers
	Pendergraph Jasper R	Hill Directory Co., Inc., Publishers
	Llewellyn Garland C	Hill Directory Co., Inc., Publishers
	Vacant	Hill Directory Co., Inc., Publishers
	Wetmore M Dare	Hill Directory Co., Inc., Publishers
	Umstead Kate G	Hill Directory Co., Inc., Publishers
	Street continued	Hill Directory Co., Inc., Publishers
1930	Trinity Apts	Hill Directory Co., Inc., Publishers
	Bowen Clarence P	Hill Directory Co., Inc., Publishers
	Stroud Wm A Dr	Hill Directory Co., Inc., Publishers
	Vacant	Hill Directory Co., Inc., Publishers
	Vacant	Hill Directory Co., Inc., Publishers
	Lane Joel C	Hill Directory Co., Inc., Publishers
	Reams Marion L	Hill Directory Co., Inc., Publishers
	Crowder Alonza L	Hill Directory Co., Inc., Publishers
	Vacant	Hill Directory Co., Inc., Publishers
	Pendergraph Jasper R	Hill Directory Co., Inc., Publishers
	Vacant	Hill Directory Co., Inc., Publishers
	Vacant	Hill Directory Co., Inc., Publishers
	Mc Clure Helen	Hill Directory Co., Inc., Publishers
	Vacant	Hill Directory Co., Inc., Publishers

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Year	Uses	Source	
1963	Woods Vernon H	Hill Directory Co., Inc., Publishers	
1958	No Return	Hill Directory Co., Inc., Publishers	
1954	Mulholland Emma M Mrs	Hill Directory Co., Inc., Publishers	
1949	Mulholland Christopher C	Hill Directory Co., Inc., Publishers	
1944	Mulholland Christopher C	Hill Directory Co., Inc.,	Image pg. A6
1940	Mulholland Christopher C	Hill Directory Co., Inc., Publishers	
1935	Mulholland Christopher C	Hill Directory Co., Inc., Publishers	
1930	Mulholland Christopher C	Hill Directory Co., Inc., Publishers	
1925	Mulholland C C	Hill Directory Co., Inc., Publishers	

FINDINGS

TRINITY/DUKE

TRINITY/DUKE

Year	Uses	Source	
1983	TRINITY/DUKE	R. L. Polk Co.	Image pg. A24
1969	TRINITY/DUKE	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
1963	TRINITY/DUKE	Hill Directory Co., Inc., Publishers	
1958	TRINITY/DUKE	Hill Directory Co., Inc., Publishers	
1954	TRINITY/DUKE	Hill Directory Co., Inc., Publishers	
1944	TRINITY/DUKE	Hill Directory Co., Inc.,	Image pg. A6
1940	TRINITY/DUKE	Hill Directory Co., Inc., Publishers	
1935	TRINITY/DUKE	Hill Directory Co., Inc., Publishers	
1930	TRINITY/DUKE	Hill Directory Co., Inc., Publishers	
1925	TRINITY/DUKE	Hill Directory Co., Inc., Publishers	

TRINITY/N DUKE ST

TRINITY/N DUKE ST

Year	Uses	Source	
2002	TRINITY/N DUKE ST	Polk Directories	Image pg. A56
1997	TRINITY/N DUKE ST	The Polk Co. City Directories	Image pg. A49

TRINITY/ORIENT

TRINITY/ORIENT

Year	Uses	Source	
1990	TRINITY/ORIENT	R. L. Polk Co.	Image pg. A32
1983	TRINITY/ORIENT	R. L. Polk Co.	Image pg. A24
1969	TRINITY/ORIENT	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
1963	TRINITY/ORIENT	Hill Directory Co., Inc., Publishers	
1958	TRINITY/ORIENT	Hill Directory Co., Inc., Publishers	
1954	TRINITY/ORIENT	Hill Directory Co., Inc., Publishers	
1949	TRINITY/ORIENT	Hill Directory Co., Inc., Publishers	
1944	TRINITY/ORIENT	Hill Directory Co., Inc.,	Image pg. A6
1940	TRINITY/ORIENT	Hill Directory Co., Inc., Publishers	
1935	TRINITY/ORIENT	Hill Directory Co., Inc., Publishers	
1930	TRINITY/ORIENT	Hill Directory Co., Inc., Publishers	
1925	TRINITY/ORIENT	Hill Directory Co., Inc., Publishers	
1920	TRINITY/ORIENT	Hill Directory Co., Inc., Publishers	

FINDINGS

TRINITY/ORIENT ST

TRINITY/ORIENT ST

Year	Uses	Source	
2002	TRINITY/ORIENT ST	Polk Directories	Image pg. A56
1997	TRINITY/ORIENT ST	The Polk Co. City Directories	Image pg. A49

TRINITY/W TRINITY AVE

TRINITY/W TRINITY AVE

Year	Uses	Source	
1997	TRINITY/W TRINITY AVE	The Polk Co. City Directories	Image pg. A48

TRINITY/WASHINGTON

TRINITY/WASHINGTON

Year	Uses	Source	
1995	TRINITY/WASHINGTON	R. L. Polk Co.	Image pg. A39
1990	TRINITY/WASHINGTON	R. L. Polk Co.	Image pg. A32
1983	TRINITY/WASHINGTON	R. L. Polk Co.	Image pg. A24
1969	TRINITY/WASHINGTON	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A15
1963	TRINITY/WASHINGTON	Hill Directory Co., Inc., Publishers	
1958	TRINITY/WASHINGTON	Hill Directory Co., Inc., Publishers	
1954	TRINITY/WASHINGTON	Hill Directory Co., Inc., Publishers	
1949	TRINITY/WASHINGTON	Hill Directory Co., Inc., Publishers	
1944	TRINITY/WASHINGTON	Hill Directory Co., Inc.,	Image pg. A6
1940	TRINITY/WASHINGTON	Hill Directory Co., Inc., Publishers	
1935	TRINITY/WASHINGTON	Hill Directory Co., Inc., Publishers	
1930	TRINITY/WASHINGTON	Hill Directory Co., Inc., Publishers	
1925	TRINITY/WASHINGTON	Hill Directory Co., Inc., Publishers	

TRINITY/WASHINGTON ST

TRINITY/WASHINGTON ST

Year	Uses	Source	
2002	TRINITY/WASHINGTON ST	Polk Directories	Image pg. A56
1997	TRINITY/WASHINGTON ST	The Polk Co. City Directories	Image pg. A49
1995	TRINITY/WASHINGTON ST	R. L. Polk Co.	Image pg. A39

W TRINITY

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Year	Uses	Source
1979	Kent John	General Telephone Company of the Southeast
	King James D MD	General Telephone Company of the Southeast
	Lambdin E D	General Telephone Company of the Southeast
	Lang W	General Telephone Company of the Southeast
	Lerman David S	General Telephone Company of the Southeast
	Levin Bobbi	General Telephone Company of the Southeast
	Leyine Paul A	General Telephone Company of the Southeast
	Slivinski A B	General Telephone Company of the Southeast
	Steinberg Dorothy	General Telephone Company of the Southeast
	Stevenson W	General Telephone Company of the Southeast
	Stupp Frank	General Telephone Company of the Southeast
	Vellano Antonitte	General Telephone Company of the Southeast
	Waitzel Dan J	General Telephone Company of the Southeast
	W agoner E L B	General Telephone Company of the Southeast
	Weinstein Laurie	General Telephone Company of the Southeast
	Whittle Lucian A	General Telephone Company of the Southeast
	Lissarrague Giselle	General Telephone Company of the Southeast
	Loewengard Robert	General Telephone Company of the Southeast
	Mc Williams M	General Telephone Company of the Southeast
	Medhurst Geneva	General Telephone Company of the Southeast
	Meiselman Florence	General Telephone Company of the Southeast
	Moss L M	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source
1979	Nochenson Alvin	General Telephone Company of the Southeast
	OConner Ellen	General Telephone Company of the Southeast
	Parker Thomas A	General Telephone Company of the Southeast
	Perkins Patricia	General Telephone Company of the Southeast
	Purcell Patricia	General Telephone Company of the Southeast
	Quinn	General Telephone Company of the Southeast
	Rosen Rita	General Telephone Company of the Southeast
	Singer Florence	General Telephone Company of the Southeast
	Frankel Joel	General Telephone Company of the Southeast
	Friedman P	General Telephone Company of the Southeast
	Furman Beverly	General Telephone Company of the Southeast
	George Emily	General Telephone Company of the Southeast
	Goldman Donna	General Telephone Company of the Southeast
	Goldsmith Justin V	General Telephone Company of the Southeast
	Goldstein Milton	General Telephone Company of the Southeast
	Harmon Charles Mrs	General Telephone Company of the Southeast
	Hartman Jane	General Telephone Company of the Southeast
	Herman Irving	General Telephone Company of the Southeast
	Herrman John	General Telephone Company of the Southeast
	Holman M A	General Telephone Company of the Southeast
	Kaye Becky	General Telephone Company of the Southeast
	Kendall Julius Mrs	General Telephone Company of the Southeast
	Adisman Joan	General Telephone Company of the Southeast
	Arenson Lucille G	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source
1979	Bakeman H B	General Telephone Company of the Southeast
	Barney Austin D II	General Telephone Company of the Southeast
	Belon Amy	General Telephone Company of the Southeast
	Benchoff J	General Telephone Company of the Southeast
	Berdy Martin	General Telephone Company of the Southeast
	Berry Ross Mrs	General Telephone Company of the Southeast
	Bertram John David	General Telephone Company of the Southeast
	Binkowicz Natasha	General Telephone Company of the Southeast
	Blair Henry	General Telephone Company of the Southeast
	Burger Milan	General Telephone Company of the Southeast
	Byer C B	General Telephone Company of the Southeast
	Carson Jeanne	General Telephone Company of the Southeast
	Chernoff Arnold M	General Telephone Company of the Southeast
	Coleman M J	General Telephone Company of the Southeast
	Coleman N	General Telephone Company of the Southeast
	Costello L S	General Telephone Company of the Southeast
	Cowen Charon	General Telephone Company of the Southeast
	Davis Richard H	General Telephone Company of the Southeast
	Res	General Telephone Company of the Southeast
	Denault Timothy J Jr	General Telephone Company of the Southeast
	Eiseman F	General Telephone Company of the Southeast
1975	AACON Contracting Co	General Telephone Company of the Southeast
	Atkinson Geneva	General Telephone Company of the Southeast
	Barry Jo Ann	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source
1975	Benchoff J	General Telephone Company of the Southeast
	Benjamine Michael	General Telephone Company of the Southeast
	Bosdell B J	General Telephone Company of the Southeast
	Carson J L	General Telephone Company of the Southeast
	Cates Bill	General Telephone Company of the Southeast
	Choquette Rita M	General Telephone Company of the Southeast
	Cooper Beatrice Mrs	General Telephone Company of the Southeast
	Council	General Telephone Company of the Southeast
	Crews Jane	General Telephone Company of the Southeast
	Crews Terry	General Telephone Company of the Southeast
	Davis Richard H	General Telephone Company of the Southeast
	Dorety Barbara	General Telephone Company of the Southeast
	Feldman Erwin	General Telephone Company of the Southeast
	Feuer Helen	General Telephone Company of the Southeast
	Fletcher Frank	General Telephone Company of the Southeast
	Friedman Sheila	General Telephone Company of the Southeast
	Gallagher Alice C	General Telephone Company of the Southeast
	Gold Gordon	General Telephone Company of the Southeast
	Gunter Emnory	General Telephone Company of the Southeast
	Haines Tracey B	General Telephone Company of the Southeast
	Hopkins Mary M	General Telephone Company of the Southeast
	Horn Daniel	General Telephone Company of the Southeast
	Jones Melinda	General Telephone Company of the Southeast
	Joyce Harry Mrs	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source
1975	Kemnitz Douglas A	General Telephone Company of the Southeast
	Kendall Edyth	General Telephone Company of the Southeast
	Kessler Betsy	General Telephone Company of the Southeast
	Komer Janice	General Telephone Company of the Southeast
	Lauricella Jay	General Telephone Company of the Southeast
	Levin Bobbi	General Telephone Company of the Southeast
	Madden Anita	General Telephone Company of the Southeast
	Marks & Frankel	General Telephone Company of the Southeast
	Martin Margaret S	General Telephone Company of the Southeast
	MEBANE PACKAGING CO	General Telephone Company of the Southeast
	Meiselman Harold	General Telephone Company of the Southeast
	Oken S	General Telephone Company of the Southeast
	OReilly Joan	General Telephone Company of the Southeast
	Orlando Rosalie	General Telephone Company of the Southeast
	Parker Thomas A	General Telephone Company of the Southeast
	Paschall Herman Jr	General Telephone Company of the Southeast
	Pate Herbert	General Telephone Company of the Southeast
	Ponte Angelo	General Telephone Company of the Southeast
	Posner Susan	General Telephone Company of the Southeast
	Ravalli Rosemarie	General Telephone Company of the Southeast
	Reder Violet	General Telephone Company of the Southeast
	Rosenberg William	General Telephone Company of the Southeast
	Rosenblatt Mary Ann	General Telephone Company of the Southeast
	Ryan Carol	General Telephone Company of the Southeast

Year	Uses	Source
1975	Sachs Diedra	General Telephone Company of the Southeast
	Salem Rose Mrs	General Telephone Company of the Southeast
	Scata Victoria	General Telephone Company of the Southeast
	Shacket Julie	General Telephone Company of the Southeast
	Silverstein Carol	General Telephone Company of the Southeast
	Singer Florence	General Telephone Company of the Southeast
	Smilow Sharlene	General Telephone Company of the Southeast
	Statham H M	General Telephone Company of the Southeast
	Sterling Rosilyn	General Telephone Company of the Southeast
	Stessin E	General Telephone Company of the Southeast
	Taylor Antoinett	General Telephone Company of the Southeast
	Tishler Sybil	General Telephone Company of the Southeast
	Tunick T	General Telephone Company of the Southeast
	Turovitz Barbara	General Telephone Company of the Southeast
	Wolff Selma	General Telephone Company of the Southeast
	Wolsky Michael M	General Telephone Company of the Southeast
	Wright Katherine	General Telephone Company of the Southeast

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Year	Uses	Source
1979	Robinson Percy	General Telephone Company of the Southeast
	Brown Barbara C	General Telephone Company of the Southeast
	Carter G	General Telephone Company of the Southeast
	Koss C E	General Telephone Company of the Southeast
1975	Hall Portia	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source
1975	Craig Lorena	General Telephone Company of the Southeast
	Elliott Patricia	General Telephone Company of the Southeast
	Green Mary S Mrs	General Telephone Company of the Southeast

906 W TRINITY

Year	Uses	Source
1979	Conklin RL	General Telephone Company of the Southeast
	Hocutt Doris	General Telephone Company of the Southeast
	Green Mary S Mrs	General Telephone Company of the Southeast
	Duncan Trula K	General Telephone Company of the Southeast
	Dove Janie	General Telephone Company of the Southeast
	Young J E	General Telephone Company of the Southeast
1975	Mc Leod Mamie	General Telephone Company of the Southeast
	Duncan Trula K	General Telephone Company of the Southeast
	Dove Janie	General Telephone Company of the Southeast
	Bailey Estelle	General Telephone Company of the Southeast

W TRINITY AVE

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Year	Uses	Source	
2009	H Kotch Jonathan	infoUSA City Directories	
	Artz WE	infoUSA City Directories	
	H Ananat Ryan	infoUSA City Directories	
2002	WATSONS INN apts	Polk Directories	Image pg. A56
1997	Williams Melvin	The Polk Co. City Directories	Image pg. A49
	Paylor James	The Polk Co. City Directories	Image pg. A49
	WATSONS INN rooming boarding	The Polk Co. City Directories	Image pg. A49
1979	Woods Nancy	General Telephone Company of the Southeast	
1975	Woods Nancy	General Telephone Company of the Southeast	

FINDINGS

713 W TRINITY AVE

Year	Uses	Source	
1997	Not Verified	The Polk Co. City Directories	Image pg. A49

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Year	Uses	Source	
2009	Horn Deborah B Do	infoUSA City Directories	
	Elsenson Howard MD	infoUSA City Directories	
	Sha Ronald S MD	infoUSA City Directories	
	Duke Diet & Fitness Ctr	infoUSA City Directories	
2002	medicine prac	Polk Directories	Image pg. A56
	EISENSON HOWARD internal	Polk Directories	Image pg. A56
	FITNESS personal serv	Polk Directories	Image pg. A56
	DUKE UNIVERSITY DIET	Polk Directories	Image pg. A56
1997	DUKE UNIVERSITY DIET & FITNESS CENTER gnl mdl srgl hsptl	The Polk Co. City Directories	Image pg. A49
	Parker Christian A	The Polk Co. City Directories	Image pg. A49

807 W TRINITY AVE

Year	Uses	Source	
2009	Duke Towers Condominiums	infoUSA City Directories	
2002	DUKE TOWER RESIDENTIAL	Polk Directories	Image pg. A56
	Weintraub Alexander H E	Polk Directories	Image pg. A56
	Rolhman Stacey E	Polk Directories	Image pg. A56
	Garrett Thomas V	Polk Directories	Image pg. A56
1997	DUKE TOWER APARTMENTS real est agts/mgrs	The Polk Co. City Directories	Image pg. A49
	Oglesby Elizabe	The Polk Co. City Directories	Image pg. A49
1979	Adams J R Mrs	General Telephone Company of the Southeast	
	Bilker I	General Telephone Company of the Southeast	
	Brennan JG	General Telephone Company of the Southeast	
	Bruml Leslie	General Telephone Company of the Southeast	
	Coats Mary	General Telephone Company of the Southeast	
	Cole F	General Telephone Company of the Southeast	
	Dammann Jonathan E	General Telephone Company of the Southeast	
	Diamond Michael	General Telephone Company of the Southeast	

FINDINGS

Year	Uses	Source
1979	Dratt Flora	General Telephone Company of the Southeast
	DUKE TOWER APTS	General Telephone Company of the Southeast
	Feldman S W	General Telephone Company of the Southeast
	Fishman M	General Telephone Company of the Southeast
	Garrett Ted	General Telephone Company of the Southeast
	Graham James D	General Telephone Company of the Southeast
	Greenberg Sally Mrs	General Telephone Company of the Southeast
	Gunter Emery	General Telephone Company of the Southeast
	Harrington Polk C	General Telephone Company of the Southeast
	Holzman Milton Mickey	General Telephone Company of the Southeast
	Hood Mary	General Telephone Company of the Southeast
	Lambros Stella	General Telephone Company of the Southeast
	Miller Lawrence Rev	General Telephone Company of the Southeast
	Morea Joseph	General Telephone Company of the Southeast
	Oken Leonard	General Telephone Company of the Southeast
	OReilly Joan	General Telephone Company of the Southeast
	Polina Sarah	General Telephone Company of the Southeast
	Pradel I	General Telephone Company of the Southeast
	Rosenthal L	General Telephone Company of the Southeast
	Saganski Judith	General Telephone Company of the Southeast
	Souza B B J	General Telephone Company of the Southeast
	Spiezia Rose	General Telephone Company of the Southeast
	Stein ML	General Telephone Company of the Southeast
	Sterling Raymond Dr	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source
1979	Thomas William B	General Telephone Company of the Southeast
	Weaver Natt	General Telephone Company of the Southeast
	West Albert L	General Telephone Company of the Southeast
	Wilbur H J	General Telephone Company of the Southeast
	Wingard L G	General Telephone Company of the Southeast
	Wolfe Robert S	General Telephone Company of the Southeast
	Zabady Margaret E	General Telephone Company of the Southeast
1975	Adisman Joan	General Telephone Company of the Southeast
	Baldassarre Bruno	General Telephone Company of the Southeast
	Barnes Iris D	General Telephone Company of the Southeast
	Bastone Laraine	General Telephone Company of the Southeast
	DAgostino Matthew	General Telephone Company of the Southeast
	Dalessio Michael Jr	General Telephone Company of the Southeast
	DUKE TOWER APTS	General Telephone Company of the Southeast
	Frommer Evelyn	General Telephone Company of the Southeast
	Gillaspy Marjorie	General Telephone Company of the Southeast
	Gorden Howard	General Telephone Company of the Southeast
	Heffiigton Joaiinna	General Telephone Company of the Southeast
	Holzman Milton Mickey	General Telephone Company of the Southeast
	Hood Mary	General Telephone Company of the Southeast
	Johnsrud Linda A	General Telephone Company of the Southeast
	Littlehales Nancy	General Telephone Company of the Southeast
	Lowenstein Terry	General Telephone Company of the Southeast
	Miller John R	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source
1975	Nochenson Alvin	General Telephone Company of the Southeast
	Palmer R	General Telephone Company of the Southeast
	Polino Sarah	General Telephone Company of the Southeast
	Robinson Cooper Y	General Telephone Company of the Southeast
	Roth Jack	General Telephone Company of the Southeast
	Sachs Val oree B	General Telephone Company of the Southeast
	Schooley Thomas A	General Telephone Company of the Southeast
	Simon Margery	General Telephone Company of the Southeast
	Stack Dean	General Telephone Company of the Southeast
	Styles Jo	General Telephone Company of the Southeast
	Thomas William B	General Telephone Company of the Southeast
	Turner Ruth Mrs	General Telephone Company of the Southeast
	Ussery Norman	General Telephone Company of the Southeast
	Weissman J	General Telephone Company of the Southeast
	West Charles	General Telephone Company of the Southeast
	Wing Claire M	General Telephone Company of the Southeast
	Winterkorn Kurt	General Telephone Company of the Southeast
	Wollman Carol	General Telephone Company of the Southeast

900 W TRINITY AVE

Year	Uses	Source
2009	EXECUTIVE APTS	infoUSA City Directories
	h Alejo Raul	infoUSA City Directories
	Number 7 h All Norman	infoUSA City Directories
	Cameron Maggie	infoUSA City Directories
	Diego Rojas Gullermlna	infoUSA City Directories
	Gallegos Michael I	infoUSA City Directories
	Number 14 h Gennerette James	infoUSA City Directories

FINDINGS

Year	Uses	Source	
2009	Glenn Cora	infoUSA City Directories	
	Olivares Cabrera Rey	infoUSA City Directories	
	Sanders Steven	infoUSA City Directories	
	Serrano Merciano	infoUSA City Directories	
2002	Maldonado Pedro	Polk Directories	Image pg. A56
	1 7 Not Verified 3 Apts	Polk Directories	Image pg. A56
	1 7 Not Verified 3 Apts	Polk Directories	Image pg. A56
	Sun Daniel	Polk Directories	Image pg. A56
	9 12 Not Verified 4 Apts	Polk Directories	Image pg. A56
	9 12 Not Verified 4 Apts	Polk Directories	Image pg. A56
	Taborn Anthony J	Polk Directories	Image pg. A56
	Not Verified	Polk Directories	Image pg. A56
	Allen Bettie	Polk Directories	Image pg. A56
	Allen Walter L	Polk Directories	Image pg. A56
	Holmes Nathaniel F	Polk Directories	Image pg. A56
	18 22 Not Verified 5 Apts	Polk Directories	Image pg. A56
	18 22 Not Verified 5 Apts	Polk Directories	Image pg. A56
1997	Alston Jerome	The Polk Co. City Directories	Image pg. A49
	Allen Walter L	The Polk Co. City Directories	Image pg. A49
	Taborn Willis E Jr	The Polk Co. City Directories	Image pg. A49
	Dickens James	The Polk Co. City Directories	Image pg. A49
	Harris Lamar	The Polk Co. City Directories	Image pg. A49
	Holeman Clinton	The Polk Co. City Directories	Image pg. A49
	Ivy Allen R	The Polk Co. City Directories	Image pg. A49
	Johnson Randolph B Jr	The Polk Co. City Directories	Image pg. A49
	Johnson Beverly R	The Polk Co. City Directories	Image pg. A49
	Mayfield Linda	The Polk Co. City Directories	Image pg. A49
	Whitfield Vera	The Polk Co. City Directories	Image pg. A49
	3 Not Verified 2 Apts	The Polk Co. City Directories	Image pg. A49
	Ailen Walter L	The Polk Co. City Directories	Image pg. A49
	Ailen Denise	The Polk Co. City Directories	Image pg. A49
	McLean Kenneth L	The Polk Co. City Directories	Image pg. A49
	10 Not Verified 2 Apts	The Polk Co. City Directories	Image pg. A49
	Singletary Gary D	The Polk Co. City Directories	Image pg. A49
	Taborn Anthony J	The Polk Co. City Directories	Image pg. A49
	Thomas Cynthia P	The Polk Co. City Directories	Image pg. A49
1979	Byrd J	General Telephone Company of the Southeast	

FINDINGS

Year	Uses	Source
1979	Cartwright Jo Ann	General Telephone Company of the Southeast
	Cotten Barbara	General Telephone Company of the Southeast
	Levi David	General Telephone Company of the Southeast
	Satterwhite Otis	General Telephone Company of the Southeast
	Tatum Willie Mae	General Telephone Company of the Southeast
	Whitfield Troy	General Telephone Company of the Southeast
1975	Easter Connie	General Telephone Company of the Southeast
	Hargrove Jacqueline	General Telephone Company of the Southeast
	Holshouser Virgil A	General Telephone Company of the Southeast
	Lee Madge	General Telephone Company of the Southeast
	Mertens Sue L	General Telephone Company of the Southeast
	Thomas David R	General Telephone Company of the Southeast

901 W TRINITY AVE

Year	Uses	Source
1979	Harrington Louise	General Telephone Company of the Southeast

903 W TRINITY AVE

Year	Uses	Source	
1997	Not Verified	The Polk Co. City Directories	Image pg. A49

906 W TRINITY AVE

Year	Uses	Source	
2009	TRINITY APTS	infoUSA City Directories	
	No Current Listing	infoUSA City Directories	
2002	2 4 Not Verified 3 Apts	Polk Directories	Image pg. A56
	2 4 Not Verified 3 Apts	Polk Directories	Image pg. A56
	Ward Erin E	Polk Directories	Image pg. A56
	6 10 Not Verified 5 Apts	Polk Directories	Image pg. A56
	6 10 Not Verified 5 Apts	Polk Directories	Image pg. A56
	Melby Thomas E	Polk Directories	Image pg. A56
	Not Verified	Polk Directories	Image pg. A56

FINDINGS

Year	Uses	Source	
2002	Weinberger Seth H	Polk Directories	Image pg. A56
	Pleasants Robert	Polk Directories	Image pg. A56
1997	Roberson Ashley	The Polk Co. City Directories	Image pg. A49
	Foster Laura	The Polk Co. City Directories	Image pg. A49
	Graham P	The Polk Co. City Directories	Image pg. A49
	Kissane Tamara L	The Polk Co. City Directories	Image pg. A49
	Levy Bobby	The Polk Co. City Directories	Image pg. A49
	Slattery E	The Polk Co. City Directories	Image pg. A49
	Poirier Elizabeth M	The Polk Co. City Directories	Image pg. A49
	Not Verified	The Polk Co. City Directories	Image pg. A49
	Magsamen Karl E	The Polk Co. City Directories	Image pg. A49
	Magsamen Elise Noel	The Polk Co. City Directories	Image pg. A49
	11 Not Verified 4 Apts	The Polk Co. City Directories	Image pg. A49
	Roberson Aaron A	The Polk Co. City Directories	Image pg. A49
1979	Churchill L M	General Telephone Company of the Southeast	
	Rogers Sarah T	General Telephone Company of the Southeast	
	Scoggins I M	General Telephone Company of the Southeast	
	Warren Marion	General Telephone Company of the Southeast	
1975	Churchill L M	General Telephone Company of the Southeast	
	Rogers Sarah T	General Telephone Company of the Southeast	
	Scoggins I M	General Telephone Company of the Southeast	
	Warren Marion	General Telephone Company of the Southeast	

W TRINITY DR

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Year	Uses	Source
1975	Perry Richard W	General Telephone Company of the Southeast

FINDINGS

WASHINGTON

700 WASHINGTON

Year	Uses	Source	
1979	STONE BROS & BYRD	General Telephone Company of the Southeast	
1975	Stone Bros & Byrd	General Telephone Company of the Southeast	

701 WASHINGTON

Year	Uses	Source	
1975	ERWIN OIL CO INC	General Telephone Company of the Southeast	
1963	Am Oil Co	Hill Directory Co., Inc., Publishers	
	Erwin Oil Co Inc whol	Hill Directory Co., Inc., Publishers	
1958	Erwin Oil Co Inc	Hill Directory Co., Inc., Publishers	
	Am Oil Co	Hill Directory Co., Inc., Publishers	
1954	Erwin Oil Co Inc	Hill Directory Co., Inc., Publishers	
	Am Oil Co	Hill Directory Co., Inc., Publishers	
1949	Erwin Oil Co Inc	Hill Directory Co., Inc., Publishers	
1944	Aw Oil Co plant	Hill Directory Co., Inc.,	Image pg. A7

703 WASHINGTON

Year	Uses	Source
1979	HARRIS OIL CO	General Telephone Company of the Southeast
1963	Braswell Coal & Oil Co	Hill Directory Co., Inc., Publishers

706 WASHINGTON

Year	Uses	Source	
1949	Lamm Vadie	Hill Directory Co., Inc., Publishers	
	Lamm R Virginia Mrs gro	Hill Directory Co., Inc., Publishers	
1944	Koutaupas Alex	Hill Directory Co., Inc.,	Image pg. A7
1940	Brigman Jennie Mrs	Hill Directory Co., Inc., Publishers	
1935	Williams Edw J	Hill Directory Co., Inc., Publishers	

708 WASHINGTON

Year	Uses	Source	
1949	Cozy Luncheonette	Hill Directory Co., Inc., Publishers	
	Williams Horace L	Hill Directory Co., Inc., Publishers	
1944	Williams Horace L	Hill Directory Co., Inc.,	Image pg. A7
1940	Williams Horace L	Hill Directory Co., Inc., Publishers	

709 WASHINGTON

Year	Uses	Source
1979	MOTOR PARTS & MACHINE CO	General Telephone Company of the Southeast
1975	MOTOR PARTS & MACHINE CO	General Telephone Company of the Southeast
1963	Terry John Inc auto repr	Hill Directory Co., Inc., Publishers
1958	Holloway & Son blksmiths	Hill Directory Co., Inc., Publishers
1954	Holloway & Son	Hill Directory Co., Inc., Publishers
	blksmith	Hill Directory Co., Inc., Publishers
1949	Holloway & Son wldrs	Hill Directory Co., Inc., Publishers

710 WASHINGTON

Year	Uses	Source
1935	Watkins Wade C	Hill Directory Co., Inc., Publishers

711 WASHINGTON

Year	Uses	Source
1963	Upchurch Mach & Blacksmith Shop	Hill Directory Co., Inc., Publishers

713 WASHINGTON

Year	Uses	Source
1963	Under Constn	Hill Directory Co., Inc., Publishers

715 WASHINGTON

Year	Uses	Source
1975	JACKSON AUTOMOTIVE SERVICE	General Telephone Company of the Southeast

718 WASHINGTON

Year	Uses	Source
1925	Bolton P B	Hill Directory Co., Inc., Publishers

720 WASHINGTON

Year	Uses	Source
1925	Vacant	Hill Directory Co., Inc., Publishers

727 WASHINGTON

Year	Uses	Source
1925	Tew J D	Hill Directory Co., Inc., Publishers

FINDINGS

728 WASHINGTON

Year	Uses	Source
1925	Vacant	Hill Directory Co., Inc., Publishers

729 WASHINGTON

Year	Uses	Source
1925	Naylor Tillman	Hill Directory Co., Inc., Publishers

730 WASHINGTON

Year	Uses	Source
1958	County Agri Bldg rear	Hill Directory Co., Inc., Publishers
1925	Mitchell G E Mrs	Hill Directory Co., Inc., Publishers

732 WASHINGTON

Year	Uses	Source
1979	Warehouse	General Telephone Company of the Southeast
	RILEY PAINT & WALLPAPER CO	General Telephone Company of the Southeast
	RILEY PAINT & WALLPAPER CO	General Telephone Company of the Southeast
1975	RILEY PAINT & WALLPAPER CO	General Telephone Company of the Southeast
	Warehouse	General Telephone Company of the Southeast
	RILEY PAINT & WALLPAPER CO	General Telephone Company of the Southeast
1963	Riley Paint Co & Whse Inc whol	Hill Directory Co., Inc., Publishers
1958	Rileys Paint Whse whol	Hill Directory Co., Inc., Publishers
1954	Rileys Paint whse	Hill Directory Co., Inc., Publishers
1949	Rileys Paint Whse	Hill Directory Co., Inc., Publishers

735 WASHINGTON

Year	Uses	Source
1925	Hall J R	Hill Directory Co., Inc., Publishers

802 WASHINGTON

Year	Uses	Source	
1944	Watson Claiborne	Hill Directory Co., Inc.,	Image pg. A7
1940	Williams Katie Mrs	Hill Directory Co., Inc., Publishers	
1935	Lee Rufus L	Hill Directory Co., Inc., Publishers	

FINDINGS

804 WASHINGTON

Year	Uses	Source	
1944	Thompson Bertha Mrs	Hill Directory Co., Inc.,	Image pg. A7
1940	Council Ernest A	Hill Directory Co., Inc., Publishers	
1935	Draughan Ralph B	Hill Directory Co., Inc., Publishers	

806 WASHINGTON

Year	Uses	Source	
1944	Ellis Grover W	Hill Directory Co., Inc.,	Image pg. A7
1940	Ellis Grover W	Hill Directory Co., Inc., Publishers	
1935	Ellis Grover W	Hill Directory Co., Inc., Publishers	

808 WASHINGTON

Year	Uses	Source	
1954	Vacant	Hill Directory Co., Inc., Publishers	
1944	Cook Chas ir	Hill Directory Co., Inc.,	Image pg. A7
1940	808 10 Hardiman J Louis confr	Hill Directory Co., Inc., Publishers	
1935	Hardiman J Lewis	Hill Directory Co., Inc., Publishers	

810 WASHINGTON

Year	Uses	Source	
1958	810 12 Model Lndry of Durham Inc cln dept	Hill Directory Co., Inc., Publishers	
1954	810 12 Model Lndry	Hill Directory Co., Inc., Publishers	
1949	810 12 Model Laundry Co	Hill Directory Co., Inc., Publishers	
1944	810 12 Model Laundry Co dry clng dept	Hill Directory Co., Inc.,	Image pg. A7
1940	808 10 Hardiman J Louis confr	Hill Directory Co., Inc., Publishers	
1930	Rex Dry Clng Co Inc	Hill Directory Co., Inc., Publishers	

812 WASHINGTON

Year	Uses	Source	
1963	Model Lndry of Durham Inc clndept	Hill Directory Co., Inc., Publishers	
1958	810 12 Model Lndry of Durham Inc cln dept	Hill Directory Co., Inc., Publishers	
1954	810 12 Model Lndry	Hill Directory Co., Inc., Publishers	
	Dry Clns cln	Hill Directory Co., Inc., Publishers	
	dept	Hill Directory Co., Inc., Publishers	
1949	810 12 Model Laundry Co	Hill Directory Co., Inc., Publishers	
	Dry Clnrs dry cing dept	Hill Directory Co., Inc., Publishers	
1944	810 12 Model Laundry Co dry clng dept	Hill Directory Co., Inc.,	Image pg. A7
1940	United Dry Clnrs Inc	Hill Directory Co., Inc., Publishers	

FINDINGS

Year	Uses	Source	
1935	United Dry Clnrs	Hill Directory Co., Inc., Publishers	

901 WASHINGTON

Year	Uses	Source	
1979	Pettiford Eva	General Telephone Company of the Southeast	
1975	Pettiford Eva	General Telephone Company of the Southeast	
1963	Johnson Robt C	Hill Directory Co., Inc., Publishers	
1958	Johnson Robt C	Hill Directory Co., Inc., Publishers	
1954	Johnson Tilden J	Hill Directory Co., Inc., Publishers	
1949	Miller Ray H	Hill Directory Co., Inc., Publishers	
	Rowe Louis J	Hill Directory Co., Inc., Publishers	
1944	Johnson Tildon J	Hill Directory Co., Inc.,	Image pg. A7
1940	Johnson Tildon J	Hill Directory Co., Inc., Publishers	
1935	Johnson Tildon	Hill Directory Co., Inc., Publishers	
1930	Johnson Tildon	Hill Directory Co., Inc., Publishers	
1925	Walters J L	Hill Directory Co., Inc., Publishers	
1920	WTilliams A V	Hill Directory Co., Inc., Publishers	

905 WASHINGTON

Year	Uses	Source	
1979	Johnson James B Jr	General Telephone Company of the Southeast	
1963	Johnson Jas B	Hill Directory Co., Inc., Publishers	
1958	Johnson Jas B	Hill Directory Co., Inc., Publishers	
1954	Johnson Jas B	Hill Directory Co., Inc., Publishers	
1949	Johnson Jas B	Hill Directory Co., Inc., Publishers	
1944	Johnson Jas B	Hill Directory Co., Inc.,	Image pg. A7
1940	Johnson Jas B	Hill Directory Co., Inc., Publishers	
1935	Johnson Jas B	Hill Directory Co., Inc., Publishers	
1930	Johnson Jas B	Hill Directory Co., Inc., Publishers	
1925	Johnson J B	Hill Directory Co., Inc., Publishers	
1920	Johnson R L	Hill Directory Co., Inc., Publishers	

907 WASHINGTON

Year	Uses	Source
1979	Walters Lewis Jr Mrs	General Telephone Company of the Southeast
1975	Walters Lewis Jr Mrs	General Telephone Company of the Southeast

FINDINGS

Year	Uses	Source	
1963	Hocutt Lacy R	Hill Directory Co., Inc., Publishers	
	Kraciuk Richd E	Hill Directory Co., Inc., Publishers	
1958	Brown Jas A	Hill Directory Co., Inc., Publishers	
1954	Brown J Alton	Hill Directory Co., Inc., Publishers	
	Roberts Vexter B	Hill Directory Co., Inc., Publishers	
	Brown Betty H Mrs drsmkr	Hill Directory Co., Inc., Publishers	
1949	Brown J Alton	Hill Directory Co., Inc., Publishers	
1944	Brown J Alton	Hill Directory Co., Inc.,	Image pg. A7
1940	Brown Alton	Hill Directory Co., Inc., Publishers	
1935	OHare Oscar V	Hill Directory Co., Inc., Publishers	
1930	Vaughn Geo W	Hill Directory Co., Inc., Publishers	
1925	Rhew W G	Hill Directory Co., Inc., Publishers	
1920	Rhew Richard	Hill Directory Co., Inc., Publishers	

911 WASHINGTON

Year	Uses	Source	
1979	Hobbs Eddie	General Telephone Company of the Southeast	
1975	Hobbs Eddie	General Telephone Company of the Southeast	
1963	Hobbs Eddie	Hill Directory Co., Inc., Publishers	
1958	Hobbs Eddie	Hill Directory Co., Inc., Publishers	
1954	Hobbs Eddie	Hill Directory Co., Inc., Publishers	
1949	Hobbs Eddie	Hill Directory Co., Inc., Publishers	
1944	Hobbs Ed	Hill Directory Co., Inc.,	Image pg. A7
1940	Hobbs Edw	Hill Directory Co., Inc., Publishers	
1935	Hobbs Edw	Hill Directory Co., Inc., Publishers	
1930	Hobbs Edw	Hill Directory Co., Inc., Publishers	
1925	Johnson R L	Hill Directory Co., Inc., Publishers	
1920	Allen Ulysses	Hill Directory Co., Inc., Publishers	

913 WASHINGTON

Year	Uses	Source
1979	Brown CM	General Telephone Company of the Southeast
1975	Brown C M	General Telephone Company of the Southeast
1963	Brown Connie M	Hill Directory Co., Inc., Publishers
1958	Brown Connie M	Hill Directory Co., Inc., Publishers
1954	Brown Connie M	Hill Directory Co., Inc., Publishers
1949	Brown Connie M	Hill Directory Co., Inc., Publishers

FINDINGS

Year	Uses	Source	
1944	Brown Connie M	Hill Directory Co., Inc.,	Image pg. A8
1940	Brown Connie M	Hill Directory Co., Inc., Publishers	
1935	Boone Clarence F	Hill Directory Co., Inc., Publishers	
1930	Mason N Herbert	Hill Directory Co., Inc., Publishers	
1925	Johnson Tilden	Hill Directory Co., Inc., Publishers	
	Johnson W T	Hill Directory Co., Inc., Publishers	
1920	Riggan R M	Hill Directory Co., Inc., Publishers	

WASHINGTON ST

700 WASHINGTON ST

Year	Uses	Source	
2009	Stone Brothers & Byrd	infoUSA City Directories	
2002	nurseries/garde	Polk Directories	Image pg. A57
	STONE BROTHERS & BYRD retail	Polk Directories	Image pg. A57
1997	STONE BROTHERS & BYRD farm supplies	The Polk Co. City Directories	Image pg. A50
1995	STONE BROS & BYRD INC lawn & garden	R. L. Polk Co.	Image pg. A40
1990	Stone Bros & Byrd Inc feed dlrs ret	R. L. Polk Co.	Image pg. A33
1983	Stone Bros & Byrd Inc feed dlrs	R. L. Polk Co.	Image pg. A25

701 WASHINGTON ST

Year	Uses	Source	
2009	Erwin Oil Co	infoUSA City Directories	
2002	AMOCO FOOD SHOPS grocery	Polk Directories	Image pg. A57
	ERWIN OIL COMPANY fuel oil dir	Polk Directories	Image pg. A57
	stores	Polk Directories	Image pg. A57
1997	ERWIN OIL COMPANY petro blk stns tmn	The Polk Co. City Directories	Image pg. A50
1995	ERWIN OIL CO INC AMOCO OIL CO DISTR	R. L. Polk Co.	Image pg. A41
	ERWIN OIL CO INC whol	R. L. Polk Co.	Image pg. A40
1990	Erwin Oil Co Inc whol	R. L. Polk Co.	Image pg. A33
	Amoco Oil Co	R. L. Polk Co.	Image pg. A33
1983	Erwin Oil Co Inc whol	R. L. Polk Co.	Image pg. A25
	Amoco Oil Co	R. L. Polk Co.	Image pg. A25
1969	ERWIN OIL CO INC WHOL	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16
	AMERICAN OIL CO	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16

FINDINGS

703 WASHINGTON ST

Year	Uses	Source	
1995	Not Verified	R. L. Polk Co.	Image pg. A41
1990	Harris Oil Company of Durham Inc	R. L. Polk Co.	Image pg. A33
1983	Harris Oil Co Of Durham Inc	R. L. Polk Co.	Image pg. A25
1969	BRASWELL COAL & OIL CO	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16

709 WASHINGTON ST

Year	Uses	Source	
2009	Walker Auto Stores	infoUSA City Directories	
2002	sup store	Polk Directories	Image pg. A57
	WALKER AUTO STORES auto home	Polk Directories	Image pg. A57
1997	WALKER AUTO STORES mtr vhcl spls prts	The Polk Co. City Directories	Image pg. A50
1995	WALKER AUTO STORES	R. L. Polk Co.	Image pg. A41
1990	Motor Parts & Machine Co	R. L. Polk Co.	Image pg. A33
1983	Motor Parts & Machine Co	R. L. Polk Co.	Image pg. A25
1969	MOTOR PARTS MACHINE CO	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16

711 WASHINGTON ST

Year	Uses	Source	
2009	715 732 NCL	infoUSA City Directories	
1983	Vacant	R. L. Polk Co.	Image pg. A25
1969	UPCHURCH MACHINE & BLACKSMITH	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16

715 WASHINGTON ST

Year	Uses	Source	
2002	STREET AUTOMOTIVE engine repr	Polk Directories	Image pg. A57
1997	ALANS TRAFNSMISSION SERVICS auto trans rpr	The Polk Co. City Directories	Image pg. A50
	JACKSON AUTOMOTIVE SERVICE auto rpr	The Polk Co. City Directories	Image pg. A50
	YARBROUGH PROFESSIONAL AUTO CARE auto rpr	The Polk Co. City Directories	Image pg. A50
1995	a JACKSONS AUTOMOTIVE SERVICE	R. L. Polk Co.	Image pg. A41
1990	a Jacksons Automotive Service	R. L. Polk Co.	Image pg. A33
	Coles Auto & Transmission Shop	R. L. Polk Co.	Image pg. A33
1983	Jacksons Automotive Service	R. L. Polk Co.	Image pg. A25
1969	JACKSONS AUTOMOTIVE SERVICE	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16

FINDINGS

716 WASHINGTON ST

Year	Uses	Source	
1995	auto repr & serv	R. L. Polk Co.	Image pg. A41
	COLES AUTO & TRANSMISSION SHOP	R. L. Polk Co.	Image pg. A41

732 WASHINGTON ST

Year	Uses	Source	
1997	REGULATOR PRESS commrcl prtng lith	The Polk Co. City Directories	Image pg. A50
1995	REGULATOR PRESS PRINTING	R. L. Polk Co.	Image pg. A41
1990	Regulator Press Printing printing	R. L. Polk Co.	Image pg. A33
1983	Riley Paint & Wallcoverings	R. L. Polk Co.	Image pg. A25
1969	RILEY PAINT CO AND WAREHOUSE	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16

733 WASHINGTON ST

Year	Uses	Source	
1997	CAL TONE PAINTS pnt gls wlpr strs	The Polk Co. City Directories	Image pg. A50
1995	CAL TONE PAINTS interior decoratorsdesigners	R. L. Polk Co.	Image pg. A41
1990	Cal Tone Paints & Interiors	R. L. Polk Co.	Image pg. A33
1983	Shaw Decorating Co Inc	R. L. Polk Co.	Image pg. A25

808 WASHINGTON ST

Year	Uses	Source	
2009	No Current Listing	infoUSA City Directories	

812 WASHINGTON ST

Year	Uses	Source	
1995	Not Verified	R. L. Polk Co.	Image pg. A41
1990	Vacant	R. L. Polk Co.	Image pg. A33
1983	Vacant	R. L. Polk Co.	Image pg. A25
1969	MODEL LAUNDRY OF DURHAM INC	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16
	CLN DEPT	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16

901 WASHINGTON ST

Year	Uses	Source	
2009	Joint Patsy	infoUSA City Directories	
	H Fox J W	infoUSA City Directories	
2002	901 905 Not Verified 2 Hses	Polk Directories	Image pg. A57
1997	Not Verified 2 Hses	The Polk Co. City Directories	Image pg. A50

FINDINGS

Year	Uses	Source	
1995	901 905 Not Verified 2 Hses	R. L. Polk Co.	Image pg. A41
1990	Vacant	R. L. Polk Co.	Image pg. A33
1983	Bass Ervin	R. L. Polk Co.	Image pg. A25
1969	GATCOMB LESLIE E	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16

905 WASHINGTON ST

Year	Uses	Source	
2009	H Bohanek C	infoUSA City Directories	
2002	901 905 Not Verified 2 Hses	Polk Directories	Image pg. A57
1997	Not Verified 2 Hses	The Polk Co. City Directories	Image pg. A50
1995	901 905 Not Verified 2 Hses	R. L. Polk Co.	Image pg. A41
1990	Williams Eddie	R. L. Polk Co.	Image pg. A33
1983	Johnson James B	R. L. Polk Co.	Image pg. A25
1969	JOHNSON J BENTON	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16

907 WASHINGTON ST

Year	Uses	Source	
2009	Willis Boleyn	infoUSA City Directories	
2002	Willis Boleyn H 8 M	Polk Directories	Image pg. A57
1997	Minear Jerry & Helen	The Polk Co. City Directories	Image pg. A50
1995	Edwards Jerry	R. L. Polk Co.	Image pg. A41
	Yott Ernest P & Elena M	R. L. Polk Co.	Image pg. A41
1990	Yott Ernest P	R. L. Polk Co.	Image pg. A33
1983	Oldham Larry W	R. L. Polk Co.	Image pg. A25
1969	WALTERS JOHN L JR	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16

911 WASHINGTON ST

Year	Uses	Source	
2009	H Register K A	infoUSA City Directories	
2002	Head Joe L Jr & Latanya E 8 A	Polk Directories	Image pg. A57
1997	Head Joe L Jr & Latanya	The Polk Co. City Directories	Image pg. A50
1995	Head Joe	R. L. Polk Co.	Image pg. A41
1990	Hobbs Ida T Mrs	R. L. Polk Co.	Image pg. A33
1983	Hobbs Ida T Mrs	R. L. Polk Co.	Image pg. A25
1969	HOBBS EDDIE O	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16

FINDINGS

913 WASHINGTON ST

Year	Uses	Source	
2009	915 NCL	infoUSA City Directories	
2002	Not Verified	Polk Directories	Image pg. A57
1997	Not Verified	The Polk Co. City Directories	Image pg. A50
1995	B Not Verified	R. L. Polk Co.	Image pg. A41
	A Restmeyer R T	R. L. Polk Co.	Image pg. A41
1990	Brown Connie M	R. L. Polk Co.	Image pg. A33
1983	Brown Connie M	R. L. Polk Co.	Image pg. A25
1969	BROWN CONNIE M	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16

WASHINGTON/TRINITY AV

WASHINGTON/TRINITY AV

Year	Uses	Source
1940	WASHINGTON/TRINITY AV	Hill Directory Co., Inc., Publishers
1935	WASHINGTON/TRINITY AV	Hill Directory Co., Inc., Publishers
1930	WASHINGTON/TRINITY AV	Hill Directory Co., Inc., Publishers

WASHINGTON/W GEER

WASHINGTON/W GEER

Year	Uses	Source	
1969	WASHINGTON/W GEER	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16
1963	WASHINGTON/W GEER	Hill Directory Co., Inc., Publishers	
1958	WASHINGTON/W GEER	Hill Directory Co., Inc., Publishers	
1954	WASHINGTON/W GEER	Hill Directory Co., Inc., Publishers	
1949	WASHINGTON/W GEER	Hill Directory Co., Inc., Publishers	
1944	WASHINGTON/W GEER	Hill Directory Co., Inc.,	Image pg. A7
1940	WASHINGTON/W GEER	Hill Directory Co., Inc., Publishers	
1935	WASHINGTON/W GEER	Hill Directory Co., Inc., Publishers	

WASHINGTON/W GEER ST

WASHINGTON/W GEER ST

Year	Uses	Source	
1997	WASHINGTON/W GEER ST	The Polk Co. City Directories	Image pg. A50

FINDINGS

WASHINGTON/W TRINITY AV

WASHINGTON/W TRINITY AV

Year	Uses	Source	
1990	WASHINGTON/W TRINITY AV	R. L. Polk Co.	Image pg. A33
1983	WASHINGTON/W TRINITY AV	R. L. Polk Co.	Image pg. A25
1969	WASHINGTON/W TRINITY AV	HILL DIRECTORY COMPANY PUBLISHERS	Image pg. A16
1963	WASHINGTON/W TRINITY AV	Hill Directory Co., Inc., Publishers	
1958	WASHINGTON/W TRINITY AV	Hill Directory Co., Inc., Publishers	
1954	WASHINGTON/W TRINITY AV	Hill Directory Co., Inc., Publishers	
1949	WASHINGTON/W TRINITY AV	Hill Directory Co., Inc., Publishers	
1944	WASHINGTON/W TRINITY AV	Hill Directory Co., Inc.,	Image pg. A7

WASHINGTON/W TRINITY AVE

WASHINGTON/W TRINITY AVE

Year	Uses	Source	
1997	WASHINGTON/W TRINITY AVE	The Polk Co. City Directories	Image pg. A50

WASHINGTON/W TRUNITY AV

WASHINGTON/W TRUNITY AV

Year	Uses	Source	
1995	WASHINGTON/W TRUNITY AV	R. L. Polk Co.	Image pg. A41

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
808 West Trinity Avenue	2009, 2002, 1997, 1995, 1990, 1979, 1975, 1935

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
DUKE/HARPER PL	2009, 2002, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
DUKE/MINERVA	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944
DUKE/MINERVA AV	2009, 2002, 1997, 1979, 1975, 1954, 1940, 1935, 1930, 1925, 1920
DUKE/MINERVA AVE	2009, 2002, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
DUKE/MONMOUTH	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944
DUKE/MONMOUTH AV	2009, 2002, 1997, 1995, 1979, 1975, 1940, 1935, 1930, 1925, 1920
DUKE/MONMOUTH AVE	2009, 2002, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
DUKE/TRINITY	2009, 2002, 1997, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925
DUKE/TRINITY AV	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1958, 1954, 1949, 1944, 1920
DUKE/W TRINITY AV	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1940, 1935, 1930, 1925, 1920
DUKE/W TRINITY AVE	2009, 2002, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
GEER/W GEER ST	2009, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
GEER/WASHINGTON	2009, 2002, 1997, 1979, 1975, 1940, 1935, 1930, 1925, 1920
GEER/WASHINGTON ST	2009, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
HARPER/MONMOUTH AVE	2009, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
MINERVA/N DUKE	2009, 2002, 1997, 1995, 1979, 1975, 1940, 1935, 1930, 1925, 1920
MONMOUTH/DUKE	2009, 2002, 1997, 1995, 1979, 1975, 1958, 1954, 1949, 1944, 1930, 1920
MONMOUTH/N DUKE	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1940, 1935, 1930, 1925, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
MONMOUTH/N DUKE ST	2009, 2002, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
ORIENT/TRINITY AV	2009, 2002, 1997, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
TRINITY/DUKE	2009, 2002, 1997, 1995, 1990, 1979, 1975, 1949, 1920
TRINITY/N DUKE ST	2009, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
TRINITY/ORIENT	2009, 2002, 1997, 1995, 1979, 1975
TRINITY/ORIENT ST	2009, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
TRINITY/W TRINITY AVE	2009, 2002, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
TRINITY/WASHINGTON	2009, 2002, 1997, 1979, 1975, 1920
TRINITY/WASHINGTON ST	2009, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
WASHINGTON/TRINITY AV	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1925, 1920
WASHINGTON/W GEER	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1930, 1925, 1920
WASHINGTON/W GEER ST	2009, 2002, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
WASHINGTON/W TRINITY AV	2009, 2002, 1997, 1995, 1979, 1975, 1940, 1935, 1930, 1925, 1920
WASHINGTON/W TRINITY AVE	2009, 2002, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
WASHINGTON/W TRUNITY AV	2009, 2002, 1997, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
412 TRINITY AVE W	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925
604 N DUKE ST	2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
605 N DUKE ST	2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
700 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
700 WASHINGTON ST	1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
701 TRINITY AVE W	2009, 2002, 1997, 1979, 1975, 1930, 1925, 1920
701 W TRINITY AVE	1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
701 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1969, 1940, 1935, 1930, 1925, 1920
701 WASHINGTON ST	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
703 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1975, 1969, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
703 WASHINGTON ST	2009, 2002, 1997, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
706 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1930, 1925, 1920
708 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1935, 1930, 1925, 1920
709 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1944, 1940, 1935, 1930, 1925, 1920
709 WASHINGTON ST	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
710 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1930, 1925, 1920
711 DUKE ST N	2009, 2002, 1997, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
711 N DUKE	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
711 N DUKE ST	1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
711 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
711 WASHINGTON ST	2002, 1997, 1995, 1990, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
712 DUKE N	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1920
712 DUKE ST N	2009, 2002, 1997, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
712 N DUKE	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
712 N DUKE ST	1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
713 W TRINITY AVE	2009, 2002, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
713 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
714 DUKE N	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1920
714 DUKE ST N	2009, 2002, 1997, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
714 N DUKE	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
714 N DUKE ST	1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
715 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
715 WASHINGTON ST	2009, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
716 WASHINGTON ST	2009, 2002, 1997, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
718 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1920
720 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
727 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1920
728 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1920
729 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1920
730 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1954, 1949, 1944, 1940, 1935, 1930, 1920
732 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1944, 1940, 1935, 1930, 1925, 1920
732 WASHINGTON ST	2009, 2002, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
733 WASHINGTON ST	2009, 2002, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
735 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1920
800 MONMOUTH AVE	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1930, 1925, 1920
801 DUKE N	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969
801 DUKE ST N	2009, 2002, 1997, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
801 MINERVA AVE	2009, 2002, 1997, 1995, 1979, 1975, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
801 N DUKE	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
801 N DUKE ST	1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
801 TRINITY AVE W	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1925, 1920
802 DUKE N	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969
802 DUKE ST N	2009, 2002, 1997, 1995, 1990, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
802 N DUKE	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
802 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1930, 1925, 1920
803 DUKE N	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969
803 DUKE ST N	2009, 2002, 1997, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
803 HARPER	2009, 2002, 1997, 1995, 1990, 1983, 1975, 1969, 1920
803 HARPER PL	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
803 N DUKE	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
803 N DUKE ST	1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
804 DUKE N	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
804 DUKE ST N	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
804 N DUKE	2009, 2002, 1997, 1995, 1990, 1983, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
804 TRINITY AVE W	2009, 2002, 1997, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
804 W TRINITY AVE	1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
804 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1930, 1925, 1920
805 DUKE N	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969
805 DUKE ST N	2009, 2002, 1997, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
805 HARPER	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1920
805 HARPER PL	2009, 1995, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
805 MINERVA	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925
805 N DUKE	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
805 N DUKE ST	2009, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
806 DUKE N	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1920
806 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1930, 1925, 1920
807 DUKE N	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969
807 DUKE ST N	2009, 2002, 1997, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
807 HARPER	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1920
807 HARPER PL	2009, 1995, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
807 MINERVA	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925
807 N DUKE	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
807 N DUKE ST	1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
807 TRINITY	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
807 TRINITY AVE	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
807 TRINITY AVE W	2009, 2002, 1997, 1990, 1979, 1975, 1930, 1925, 1920
807 W TRINITY	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
807 W TRINITY AVE	1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
807 W TRINITY DR	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
808 DUKE N	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1920
808 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1949, 1930, 1925, 1920
808 WASHINGTON ST	2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
809 DUKE N	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969
809 DUKE ST N	2009, 2002, 1997, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
809 HARPER	2009, 2002, 1997, 1995, 1990, 1983, 1975, 1969, 1963, 1920
809 HARPER PL	2009, 2002, 1997, 1995, 1990, 1979, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
809 MINERVA	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1920
809 N DUKE	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
809 N DUKE ST	1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
810 DUKE N	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1920
810 DUKE ST N	2009, 2002, 1997, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
810 MINERVA	2009, 2002, 1997, 1995, 1990, 1983, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
810 MINERVA AVE	2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
810 N DUKE	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
810 N DUKE ST	1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
810 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1935, 1925, 1920
811 DUKE ST N	2009, 2002, 1997, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
811 HARPER	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1920
811 HARPER PL	1995, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
811 MINERVA	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1920
811 N DUKE	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
811 N DUKE ST	1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
812 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1930, 1925, 1920
812 WASHINGTON ST	2009, 2002, 1997, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920

FINDINGS

Address Researched	Address Not Identified in Research Source
813 HARPER	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1969, 1920
813 HARPER PL	1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
813 MINERVA	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1920
900 TRINITY AVE W	2009, 2002, 1997, 1995, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
900 W TRINITY	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
900 W TRINITY AVE	1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
901 TRINITY AVE W	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969
901 W TRINITY AVE	2009, 2002, 1997, 1995, 1990, 1983, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
901 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1969
901 WASHINGTON ST	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
903 W TRINITY AVE	2009, 2002, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
904 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925
904 ORIENT ST	2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
905 TRINITY AVE W	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930
905 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1975, 1969
905 WASHINGTON ST	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
906 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1920
906 ORIENT ST	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
906 TRINITY AVE W	2009, 2002, 1997, 1979, 1975, 1925, 1920
906 W TRINITY	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
906 W TRINITY AVE	1995, 1990, 1983, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
907 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969
907 ORIENT ST	2009, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
907 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1969
907 WASHINGTON ST	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
909 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1920
909 TRINITY AVE W	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1920
910 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1925

FINDINGS

Address Researched	Address Not Identified in Research Source
910 ORIENT ST	2009, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
911 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1969
911 WASHINGTON ST	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
913 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969, 1925, 1920
913 ORIENT ST	2009, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
913 WASHINGTON	2009, 2002, 1997, 1995, 1990, 1983, 1969
913 WASHINGTON ST	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
914 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1969
914 ORIENT ST	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
915 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1975, 1969
915 ORIENT ST	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
918 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1969
918 ORIENT ST	2009, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
919 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1975, 1969
919 ORIENT ST	2009, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
920 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1969, 1925, 1920
920 ORIENT ST	2009, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
921 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1975, 1969, 1920
921 ORIENT ST	2009, 2002, 1995, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
922 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1975, 1969
922 ORIENT ST	2009, 2002, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
923 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1969
923 ORIENT ST	2002, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
925 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1969
925 ORIENT ST	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
926 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1969
926 ORIENT ST	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
928 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1969
928 ORIENT ST	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
929 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1969
929 ORIENT ST	1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920
932 ORIENT	2009, 2002, 1997, 1995, 1990, 1983, 1979, 1969

FINDINGS

Address Researched	Address Not Identified in Research Source
932 ORIENT ST	2009, 1979, 1975, 1963, 1958, 1954, 1949, 1944, 1940, 1935, 1930, 1925, 1920

Source Page Images Appendix

DREW—Contd
1407 Yarborough O'Mega (c)
1409 Vacant
Fay intersects

DRIVER AV N (East Durham) —From 2100 E Main north to Liberty
101ΔJones Haywood A ⓪
102ΔWiggins Grace T Mrs
106ΔBullock G Etta Mrs ⓪
107 Carr Memorial Methodist Ch
108ΔPalmer Geo R ⓪
110ΔWilson Everett ⓪
111ΔDunn Millard C Rev
112ΔJones Wm T
113ΔStallings Henry W ⓪
114ΔSmoake Saml C ⓪
201 Davis Vallie M Mrs
202ΔGoodwin Ossie L Mrs ⓪
203ΔCarr Claudons A ⓪
204ΔParker Otis L
204½ Davis Wm T
205ΔJohnson Bertha Mrs ⓪
ΔWatson Jos L
206 Taylor Wm S
207ΔFuller Katie H Mrs ⓪
208 Cox John S ⓪
209 Carney Jos E
210ΔHaley Wm E ⓪
211ΔFerrell Ralph A
212ΔWomble Robt L ⓪
301 Vacant
303ΔKing Jas R ⓪
304 Morrison Geo P
Perry Rena V ⓪
305ΔSpain Albert D ⓪
306ΔJones Jos D
307ΔFonville Wm B ⓪
308ΔHight Presley R ⓪
309ΔClements Clarence E
310 Haynes Grover C ⓪
313ΔMathes Jas M ⓪
314ΔMarshall A Cleveland ⓪
Taylor intersects
402ΔSpain Eliz M Mrs
404ΔWatson Chas M ⓪
410ΔParrish Hurley I ⓪
ws 1 nΔEast Durham Junior High School
412ΔCarlton Ernest G ⓪
414ΔThompson Dora E Mrs ⓪
416ΔBarbee Betty ⓪
Rigsbee Albert L
418ΔBrown Dock W ⓪
Southgate intersects
501 Rollins Josie M Mrs gro
503ΔRollins R Curtis ⓪
505ΔMorris Eug M ⓪
506ΔGoodwin Addie C Mrs ⓪
ΔJones J Marvin
Goodwin Vassie C
507 Cash Wm T
508ΔLipscomb Geo L ⓪
509ΔPoe Ernest O ⓪
510 Sauls Carl E
511ΔFoster Lemuel E
Foster Evie L Mrs nurse
512ΔSaitta Andrew P
600ΔGlosson Chas W
ΔGarrard Clarence R
601ΔFields Ernest L ⓪
602ΔByrd Harvey C jr
ΔFoster Jas W
604ΔStallings C Marco ⓪
605ΔFoster Saml M ⓪
606ΔShambley Mettie H Mrs
607ΔMurdock J Oscar ⓪
608ΔBledsoe Gaither W ⓪
609 Hunt Robt L
James Herbert E
610 Bailey Cullen B
611ΔCoble Burn C ⓪
612 Holt Thurman M
615ΔJacobs Donnie H ⓪
Liberty intersects

DRIVER AV S (East Durham)— From 2100 E Main south to E Pettigrew
102ΔHolliman Chas A
103 Ange Johnnie M Mrs
Emory Lucy Mrs
104ΔEmory Ethel T Mrs
106 Ferrell Hal W
107ΔSmith Y E Sch
110ΔCates Etta R Mrs ⓪
114ΔNewsom J David
115ΔHall Wm R ⓪
116ΔHudson Furman D ⓪
ΔSeagroves W Vann
117 Glover Ethel L nurse
ΔGlover Jas R ⓪
118ΔBurcham Arth E
ΔBurcham Frances M ⓪
119 Dixon Fate
121ΔParrish Lillie C Mrs ⓪
Hart intersects
201 Hayes Victor F
201ΔCheek Lena Mrs ⓪
202 O'Neal Orus A
203 Thomas Essie M Mrs ⓪
205ΔCooke Walter M ⓪
206 Rodden Beatrice Mrs
207ΔPhelps Roy H
208ΔFuller Robt W ⓪
210ΔHamlett John A
211ΔHayes R Benton ⓪
212ΔCarter Felcie C Mrs ⓪
213 Motley Wm S
215 Emory E Hudson ⓪
Morgan Geo E
Ashe intersects
301ΔGreen Columbus D
Barbee Delia A
McGhee Earl C
302 Natl 5c to $1.00 Store
304ΔDurham Shoe Rebuilders
304½ Carr & King Barber Shop
306ΔUS Post Office (E Durham Sta)
308ΔCrutchfield Mkt & Grocery
310 Vacant
312ΔEast Durham Beauty Shop
314ΔBrown D W Dry Clnrs
316 A&P Food Stores (br) gros
318ΔFidelity Bank The (E Durham br)
Angier av intersects
402ΔCarswell Drug Co
402½ΔShuler Jas E phys
C M Co The headache powders
Castleberry Berta M Mrs
Wilson Percy L
Poole Nancy D
Crawford Wm R jr
406ΔSea Food Market
408ΔSeagroves Lindsey P ⓪
409 Pope Jas C
410 Lowe Wm N
414 Gurley Chas D
417 Williams Walter J
420 Goodwin Luther C jr
423 Ivey Thos L
424ΔFonville Isaac B ⓪
428ΔTippett Robt A ⓪
429ΔLea Paul D ⓪
430 Jones Annie E Mrs
434 Hamilton W Clyde
440 Hinson Chas E
441 Ray Jas A
447ΔWilkins John M
448ΔOverman J Henry ⓪ soft drinks
451 Vacant
452ΔHardison Jos
453 Vacant
454 Vacant
455 Vacant
456 Vacant
457 Vacant
458 Vacant
459 Salvation Army The (E Durham Outpost)
459½ Vacant
460ΔWarner Hosiery Mill mfrs
462 Garland Woodcraft Co cabtmkrs
461ΔStork Supply Co The diaper serv
463 Vacant
E Peabody intersects
SALRy crosses
SouRy crosses
E Pettigrew intersects

DUKE N—From 800 W Main north beyond Leon (not open between ½ block north of 1620 and beyond Leon)
115 University Motors (stge)
121-23ΔMathes J M Co Inc whol tobacco
Morgan intersects
Randolph ends
Lamond av intersects
ws 1 nΔDurham High Sch
Gloria av intersects
Minerva av intersects
W Trinity av intersects
712 Bordeaux Marvin W
714ΔHicks J Thos
Monmouth av intersects
801 Fowler Ambrose W
802 Lasater John R jr
803ΔCarden Wm H
804 Smith Allie C
805 Ragan Edw F
806 Chenault Walter L
807 Locklear Alf H
808 Condon Sarah M Mrs
809 Moseley Rufus M
810 Young Jonathan D
Dacian av intersects
902ΔBond David B
903 Winfree Lawrence C
904ΔFuqua Jas H
Urban av intersects (es not open)
1005ΔJones Corbin R ⓪
1007ΔDarnall Saml F
ΔHowell Emma Mrs ⓪
W Markham av intersects
1101ΔHowerton Richd T
1102ΔSchulken Roger M ⓪
1103ΔWilkerson Oscar F bldg
Carver Fannie ⓪
contr
1105ΔParrish Ewell C ⓪
1106ΔLatta Robt G
1107ΔLong Perlymon L ⓪
drsmkr and furrier
1109ΔScott Nera D Mrs ⓪
ΔEdwards J Reuben
1111ΔAldridge Willis H ⓪
ΔDowdee Leon L
1113ΔWood Clarence R ⓪
1112ΔElkins Augustus B ⓪
1118ΔWard D Ernest ⓪
Green intersects
1209ΔGerard Kenneth C
Demerius intersects (not open)
1307ΔDriver John H
1309 Taylor Robt
1311ΔYoung N Pinkney
W Knox intersects
1400ΔEveritt W Alvin ⓪
1403ΔSmith Lester A ⓪
1404ΔGunter C Walton
1406ΔDunnegan Ernest E ⓪
1409ΔBouzard Nathaniel C
1410ΔBobbitt David L ⓪
1411 King Harley L ⓪
1412ΔMorris Connie L ⓪
1416ΔBrowning Walter M ⓪
1417ΔCheek Thos L ⓪
1421ΔFillers Stella S Mrs ⓪
1422ΔWilson Robt L
1423ΔDominick Hal M ⓪
Englewood av intersects (es not open)
1501ΔRobinson Spottswood B
1502ΔHarris Saml H
1505ΔLowry Bruce A ⓪
Kimrey ends
1512ΔMcTerr Herbert E ⓪
1515ΔGarrett Chas G ⓪
1516ΔChandler Chas R ⓪
1517ΔDackis Chas A ⓪
W Club blvd intersects
1606ΔParrott Graham B ⓪
1607ΔLloyd G Dewey ⓪
Turner Jas F
1608ΔHuddy E Ross
1609ΔWhite Frank W
ΔSmith Jay T
1610ΔLarson Donald G
1611ΔBrown Wm L
1614ΔCooke Maynard E ⓪
1615ΔTillery W Lawrence ⓪
1617ΔColeman Clarence W
1619ΔTilley Robt B ⓪
ΔGills Leon T
1620ΔMunden Carey W ⓪
1621 Vacant
(not open between ½ block north of 1620 and beyond Leon)
Hudson begins (not open)
Leon intersects

DUKE S — From 800 W Main south to Forest Hills blvd E
112ΔDillon Supply Co mill supplies
SouRy crosses
W Peabody intersects
Memorial begins

Details For:	Year	Source	TP	Adjoining
DUKE N	1944	Hill Directory Co., Inc.,	-	X

GEER W—Contd
307 **Apartments**
1 Sasher Sam D
2△Lauther S Edgar
3△Keyes Richd W
4△Norvell Robt E
Street continued
319△Smalley Roy T
321△Royal Crown Bottling Co
△Seven-Up Bottling Co
Rigsbee av ends
403△Durham Baking Co
Foster intersects
512 Pledger Bettie Mrs
Washington intersects

GEORGE (Hayti) — From 2109 Fayetteville east beyond Lincoln
506 Gerald Earlie (c)
508△Johnson Georgie W (c)
510 Commander Katie (c)
511△Farrison W Edw (c)
512△Wray Frank D (c) ⓪
513△Lee Jas S (c)
514△Markham Arth (c) ⓪
515△Turner Benner C (c)
517 Hughley J Neil (c)
518 Harris Emma (c)
520 Williams Amanda (c) ⓪
522a△Jacobs Lillie (c)
522b Glover John (c)
524△Richardson Ernest (c) ⓪
614 Shivers Rebecca (c)
616 Freeland Alton (c)
618 Bell Chester (c)
622 Balentine Wm (c)
624 Daniels Collie (c)
Lincoln intersects (not open)

GEORGIA AV (West Durham; formerly Hester) — From 3000 Hillsboro rd north beyond Woodrow
Englewood av intersects
1105△Citrini Anthony M ⓪
△Ragsdale Wm R
1106 Barber O Danl
1108△Butler Myra V Mrs ⓪
1109△Jeffreys Romulous S
△Phelps Jas A
1111△Bascom Clifton H
1112△West Alf T ⓪
W Club blvd intersects
Woodrow intersects (es not open)
2500△Lloyd Jas M

GERARD—From 1300 Duke University rd south to Scott
703a Ingram Carl (c)
703b Small Jas E(c)
704a Huggins Wm (c)
704b McCray Wm (c)
705 Horton Wm L (c)
706a Moore Sanson (c)
706b Ruffin Margt (c)
707 Markham John (c)
709 Fuller Jas T (c)
711△Young Wm (c)
Jackson intersects
801 **Apartments**
1 Fitzgerald Chas C (c)
2 Alston Theo (c)
3 Haygood Nellie (c)
Street continued
802 Gunn Marshall (c)
804 Horton Lizzie (c)
805 McDuffie Jesse (c)
806 Alston Carrie (c)
807 Smith Wm (c)
808a Hollman Lewis (c)
808b Justice Arth J (c)
809 Colclough Major L (c)
810 Brown Jas (c) ⓪
811 Long Nora (c)
812 Morgan Maggie (c)
813 Alston Bettie (c)
814 Suitt Garland (c)
815 Whitted Emma (c)
816 Green Sudie (c)
818 Ingram Steph (c)
819 Tyson Lonnie (c)
Scott intersects (not open)

GILBERT—From 402 N Elizabeth east to 1st av (not open between ½ block east of N Alston av and N Hyde Park av)
705 Jolly Woodrow W
705½ Sally Ollie F
706 Boone Clarence W
707△Sally Ollie F gro
710 Durham Farmers Mut Exch (see clng dept)
711△Holleman Etta L Mrs
△Womble Gertrude C Mrs
Pearl begins
801△Durham Farmers Mut Exch
N&WRy crosses
900 Public Service of North Carolina Inc (plant)
908 Bullock Jas (c)
910 Jenkins Arch (c)
912 Shoffner Wm (c)
914 Henderson Jas W (c)
916 Allen Zachariah (c)
918 Boyd Edw (c)
920 Smith Jas (c)
Latta begins
1001 McCray Jas (c)
1002 Blackwell Walter (c)
1003 Owens Jas (c)
1005 Miles Annie (c)
1015△City Stables
N Alston av intersects
ns 1 e Vacant
(Not open between ½ block east of N Alston av and N Hyde Park av)
Calvin intersects
N Hyde Park av intersects
1117 Hux Chas G
1201△Keen Arth F
1203 Sessoms Bernice
1205 Vacant
1206 Williamson Eddie S ⓪
1207 Williamson Arth D ⓪
1208 Harris Lucy B Mrs ⓪
nurse
1209△Haith Ira T ⓪
1211 Dennis R Wray
1212△Carlton Georgia A Mrs ⓪
△Bridgers Leo T Rev
1214△McBroom Saml A
△King Elma Mrs
1st av intersects

GIN (West Durham) — From Edith west beyond Hale, 1 north of Hillsboro rd (not open between 2205 and Carolina av)
2106 Dixo nAlex
2107 Byrd John W
2108 Dalehite J Wyatt
2109 Roberson Lee T
2110 Cates Foy
2111 Collins Arth W
2112 Browning Claiborne H
2113△Tilley Hayward B
Virgie intersects
2200△Yearwood Clarence L
2201 Carrigan Clyde E
2202 Noble Pearl P
2203 Rhodes Nazer G
2205 Austin Jefferson R
(Not open between 2205 and Carolina av)
Carolina av intersects
Dezern al begins
2306△Norton Wm L
2308 Jackson Chas F
2310 Hester Lizzie Mrs
Hale intersects
2404△Wilson & Son gro s
2408 Yates Walter J

GLENDALE AV—From 200 Corporation north and northwest beyond Leon
800a Anderson Asilee (c)
800b Vacant
804a Patterson J Wesley (c)
804b Edwards Jas (c)
804½a Richmond Willie M (c)
804½b Lawrence Ardell (c)
805 Grafton Wm A (c)
806a Justice Lewis (c)
806b Merritt Estella (c)
806½ Vacant
808a Gray Wm (c)
808b Holder Cora (c)
808 (2)a Green Jas (c)
808 (2)b Murchison Mack (c)
809 Alston Saml (c)
810a Watson Robt (c)
810b Walker Fannie (c)
812a Day Oscar (c)
812b Gray Vester (c)
814 Cuffie Edw (c)
816 France John (c)
818a Cade Saml (c)
818b Vacant
819 Union Baptist Church (c)
820 Vacant
821a McLaurin Rosa (c)
821b Dunnigan Wm (c)
822a Holloway Marie (c)
822b Elkerson Jordan (c)
823a Holloway Rosa (c)
823b Quacco Viola (c)
823½ Holman Frank (c)
823¾ Murchison Richd (c)
824a Bebane Ada (c)
824b Snead Delia (c)
825a Allen Rosa (c)
825b Wright Saml (c)
826a Williams Isaac (c)
826b Dunston Benj (c)
827a Lipscomb Bessie (c)
827b Sweet Herbert (c)
828a Holman Ada (c)
828b Sweet Isaiah (c)
829a Glenn Willie (c)
829b Willis John D (c)
W Geer intersects
902△Rowland Mary L (c)
904 Rives Fannie (c)
905a Harris Minnie (c)
905b Williams John (c)
906 Summers Betsy (c)
907a Holman Willie L (c)
907b Allen Rufus (c)
908a Stevens Eddie (c)
908b Roberson Hazel (c)
Hargrove begins
1000a Hall Mack (c)
1000b Davis John W (c)
1001△Clark Walter R gro
1002a Kenon Wilbert (c)
1002b White Percy (c)
1003a Worsley Raleigh (c)
1003b△Mangum Emma (c)
1004a Smith Manuel C
1004b Tilley Herman
1005 Vacant
1005b Sanders Mary (c)
1006 Tatum W I
1007a Drennan Ralph
1007b△Foelsch Richd
1009 Hinson Ellie F
W Trinity av intersects
1107△Walker Clive W
△Pollander Leon M
1109△Williams Colon E ⓪
W Seeman ends
Monmouth av begins
1203△Huggins Marion D ⓪
1205△Cox Clinton C ⓪
1208△Troutt Jas M
1211△Dennis Wm K ⓪
1212△Pickett W Irving ⓪
1213△O'Briant Herbert C ⓪
W Lynch ends
Dacian av begins
1304△Pickett Henry W ⓪
1305△Stephenson Luther M ⓪
1307△Wallace Claude A ⓪
1309△Spransy Isabel Mrs ⓪
Acadia begins
1314△Coll Vincent E
△Daniels Harold C
Urban begins (not open)
N&WRy crosses
Markham av intersects
1503△West Steven J ⓪
1504△Moore Chas A ⓪
1506 Johnson Hubert C ⓪
Knotl Mary S Mrs
1508△Page Caleb S ⓪
1510△Young Sherrill F
1512△Hughes Robt D jr
Green begins (not open)
1603 Holloway Jas T ⓪
Clark begins
W Knox intersects
181△Ferguson Henry L ⓪
Englewood av intersects (ws not open)
W Brookline intersects (not open)
W Club blvd intersects
Cranford av begins
2301△Mitchell Raymond T ⓪
2309△Morris Ector E ⓪
2315△Walters John M ⓪
2325△Phillips H Blackburn ⓪
W Lavender ends
2331△Mann Levi C
Washington ends
2404△Arnold Ernest J Rev ⓪
2406△Nelson Crandall H ⓪
2408△Alexander Dan W ⓪

Details For:	Year	Source	TP	Adjoining
GEER/WASHINGTON	1944	Hill Directory Co., Inc.,	-	X

106 Bogwell Luther E
107△Riley Coy N
109 Weatherspoon John J ⓪
112 (301) McCuen Wm S
114 Goodwin Ada S Mrs
Highland av intersects

1912 Davis Edith F Mrs ⓪
1913△King Benj R
1914△Pendergraft Lizzie Mrs
△Keith Chas H
1916 Strickland John G
1917△Boyd Eug H ⓪

209 Pierce John H (c)
210 Sanders Alf (c)
211 Williams Preston (c)
212△Bailey Reginald W (c) ⓪
213 Perry Henry (c)
214 Lowery Agnew (c)

Details For:	Year	Source	TP	Adjoining
HARPER	1944	Hill Directory Co., Inc.,	-	X

MINERVA AV — From ½ block east of N Duke, west to 300 N Buchanan rd
N Duke intersects
N Gregson intersects
1002ΔMills Hermus C ⓪
1004ΔAutry Woodie Mrs
1005ΔNorwood Geo D ⓪
1006ΔCole Eug D ⓪
1007ΔLewis H Howell
1008ΔPate Effie V Mrs ⓪
1009ΔLefwich Wayne B ⓪
1010ΔMcLean Ellis J
1011ΔJohnson Annie B Mrs ⓪
1012ΔJohnson T Moyle ⓪
1014ΔSilver Rosa R Mrs ⓪
1015ΔLehman Birdie K Mrs ⓪
Kronheimer Lillie ⓪
ΔKronheimer Carrie V ⓪
Lehman Harry W ⓪
1016ΔChristie Hayden B
ΔTimberlake Walter C
1016½ΔWalker Earl H
1018ΔMcCoy Edw T
1020ΔBoyd Richd B
1021 **Bland The**
Apartments:
1ΔNewsom Dallas W
2ΔVaughn Walter W
3ΔSmith Janet
4 Stocker Fredk W
Street continued
1022ΔGlesnn Paul W
1026ΔCrisp G Roundtree ⓪
Watts intersects
1107ΔBozarth Frank D ⓪
1108ΔWilliamson Harvey L
1110ΔCard Wilbur W ⓪
N Buchanan rd intersects

MINT — From Smith southeast to Eric, 1 south of 1300 Glenn
(No houses)
Eric intersects

MISSION ALLEY—From 810 N Mangum, east to Kelly al
106 Jones Ruth (c)
107 Rogers Lottie (c)
109 Mack Wm (c)
109½ Gilmore Murry (c)
111-11½ Vacant
113-13½ Vacant
115 Vacant
Kelly al begins

MITCHELL—From Drew north beyond E Geer, east of N&W Ry (not open)
E Geer intersects

MOAYON AV—From 512 Barnes av north to Liberty, 1 west of N Briggs av

MOBILE AV (Hayti)—From ½ block west of McCoy pl, east to 600 Fayetteville
401 Fairley Murdock (c)
402 White Margt (c)
McCoy pl ends
Henry al ends
503 Holloway Sallie (c)
505 Ferrell Maynard (c) wood
506 Johnson Chas (c) gro
Chess pl begins
507 Little Minnie (c)
508 Tucker Alice (c)
509 Shaw Percy (c)
510a Charles Agnes (c)
510b Royster Fannie (c)
511 Johnson Alice (c)
512 Brown Ossie (c)
513 Young Ola (c)
514 Morris Della (c)
515 Russell Kath (c)
516 Lewis Letha (c)
518 Robertson Pearl (c)
E Proctor ends
601 Evans Wesley (c)
602a Mitchell Lemetta (c)
602b Lyon Graham (c)
603 Morgan Jas A (c)
604 Gillis Carrie (c)
605 Murchison Geo (c)
606a Norwood John (c)
606b Gibson Lafayette (c)
607 Sutton Fred (c)
608 White Rock Community Center (c)
609 Hall Elliott (c)
611 Green P Edw Rev (c)
613 Meadows Clarence (c)
Fayetteville intersects

MOLINE E (Hayti)—From 2500 Pine southeast to Fayetteville
204 Thomas Arth (c)
206 Johnson Isaac (c)
207 Clements Maggie (c)
209 Baker Claude (c)
213 Bethea Lillie (c)
214 Bagley Belford (c)
215 Jones Lennon (c)
216 Eades Jos (c)
217 Hopkins Dave (c)
Bern intersects (ss not open)
301 Vacant
302 Gaddy Chas T (c)
304 Horne Bertha (c)
315 Thompson Eli B Rev (c)
Concord intersects
418 Wade Tempie (c) ⓪
Fayetteville intersects

MOLINE W—From 1500 Pine northwest to South
104 Craytor Louise (c)
106 Treadwell John D (c)
107 Butler Ernest B (c)
108 Leake Evelina (c)
109 Johnson Wm (c)
110 English Gatewood (c)
111 Lester Clinton (c)
112 Couch Laura (c)
113 Singleton Lizzie (c)
114 Drake Janey (c)
116 Stroud Cath (c)
South intersects

MONMOUTH AV — From 1200 Glendale av west to N Buchanan rd (not open between Washington and N Duke)
215ΔRogers Edith Mrs ⓪
216ΔGladstein Melvin ⓪
217ΔFuller T Fred ⓪
218ΔWeeks Albert D ⓪
219ΔAirheart John M
220ΔChoate Jos R ⓪
221ΔCouch Leon
222ΔJohnson Hubert L ⓪
224ΔLyon Doyette H ⓪
225 King Claude E ⓪
226ΔFogleman Luther L ⓪
227ΔWilson Max ⓪
228ΔFreedman Saml ⓪
North intersects
300ΔSeay Maurice H
303ΔHarvey J Shields ⓪
305ΔMcCue Jas C
306ΔCox Dora J Mrs ⓪
307ΔHarris Leonidas Y ⓪ plstr
308ΔParks David H ⓪
310ΔWarren Jerome M ⓪
313ΔMoore Geo P ⓪
314ΔBatchelor Giles
Washington intersects
(Not open between Washington and N Duke)
N Duke intersects
903ΔNewcomb Jas S ⓪
904ΔdeBruyne Bartel L
905ΔPleasants Oscar M
906ΔPridgen W Linton ⓪
907ΔRidenhour David G
908ΔStrayhorn Ralph N ⓪
909ΔSmith Anna P Mrs
910ΔBrewster Lawrence F
911ΔAllen Irving E ⓪
912ΔCovington Dorothy W Mrs ⓪
913ΔMcGuinness John E
915ΔGriggs Lillian B Mrs
916ΔMeier Otto Jr ⓪
917ΔChick Clyde F
919ΔAckermann Norbert J
920ΔGray Wm R ⓪
921ΔSanders C Richd
922ΔPatton Wm R ⓪
923ΔMason Jos K ⓪
924ΔRamsey Jas H ⓪
926ΔCarr John W ⓪
N Gregson intersects
1001ΔPhelps Estelle R Mrs
1002ΔWhite Oscar J ⓪
1003ΔBranch Mittie B Mrs ⓪
1004ΔBass Arch L ⓪
1005ΔGergen John J
1006ΔHarward Alice A Mrs ⓪
1007ΔNewton Mary E Mrs ⓪
1008ΔRobertson M DeBerniere ⓪
1010ΔReeves Robt J
1011ΔSnipes John A ⓪
1012ΔStrickland John J
1013ΔMurdock J Allen ⓪
1014ΔSmith E Carver
1015ΔByrd W Ernest ⓪
1016ΔStone Robt L ⓪
ΔMann Jas R
1018ΔCopeland Chas J ⓪
1020ΔMatthews A David ⓪
1021ΔVanArnam Wm D
1022ΔYoung Nannie H Mrs ⓪
1023ΔSilver Milton B
1024ΔPatterson Karl B ⓪
1025 **Salmon Apartments**
Apartments:
1ΔPrevost J Milton
2ΔBaker Wm E
3ΔHam Marion A
4ΔRutherford Robt J
5ΔAddington Leroy H
6ΔMorrison Paul L
Street continued
1026ΔBoddie Jas W ⓪
1028ΔRedfern Helen B Mrs
Watts intersects
1108ΔLaprade Wm T ⓪
N Buchanan rd intersects

MONROE AV—Southwest 1 blk to 3000 University dr
2904ΔRigsbee Jesse J ⓪
2908ΔEckenhoff Jas E
2912ΔRigsbee W Norman ⓪
2914ΔRigsbee Jennie Mrs ⓪
University dr intersects

MOORE (Hayti)—From 700 Pine east to Pickett
204 Cannady Addie (c) ⓪
206 Atwater Thos J (c) ⓪
207 Parrish John (c)
208 Bullock Dock (c)
209 Staton Jessie (c)
210 Farrar Wm (c) ⓪
211ΔParker Edw P (c)
213 Lawrence Emma (c)
Pickett intersects

MOREHEAD AV — From 400 Matthews west to Anderson
205ΔMorehead Av Service Sta
Blackwell ends
207 Am Tob Co Inc The (whse)
Carrington ends
213ΔRobinson Thos V
215 King Robt G
Whitaker J Howard
ΔRigsbee Mamie L
Carr ends
301 Carter Geneva Mrs
Beck Dewey
303 Armstrong John C
305ΔWeatherford John A ⓪
307ΔSmith Jas A ⓪
Smith Jas A & Son plstrs
310 Vacant
312ΔZuckerman Sol
314-16 Shepherd Norman C gro
Willard intersects
402ΔCobb Clarence H ⓪
406ΔMurray Henrietta F Mrs ⓪
408ΔJackson Cecil B ⓪
410ΔO'Shea Horace W ⓪
S Duke intersects
502ΔJones Florrie L
506ΔCobb Nellie R Mrs ⓪
512ΔWhite Gilbert C ⓪
515 (See 804 Duke)
518ΔBrower Alf S
609 Elliott Escalus E
617ΔJohnson J Eric ⓪
618ΔStagg Mary W Mrs
ΔNicholson Sterling J ⓪
619ΔKibler A Franklin
ΔWhitcomb John C
Vickers av intersects
707 Vacant
710ΔHobgood Mattie P Mrs
Shepherd intersects
Arnette av intersects
907 Bonapart Mary (c)
Milton av intersects
909 Tapp Claiborne (c)
910 McCall Walter (c)
912 McClain Rossie (c)
913 Hardee H A (c)
914 Baynes Georgianna (c)
916 Taylor Mary I (c)
918 Mills Jas (c)
Carroll intersects
1000 Mt Temple Holy Church (c)
1001ΔWatson Irene (c)

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OLD RALEIGH HWY—Contd
ns 5 e Davis Wm A ⓪
ns 6 e△Herndon Paul C ⓪
ns 7 e Nutt Elmer
ns 8 e Bowen Edgar T
ns 9 e Vacant
ns 10 e Lynn Wm H
ns 11 e△Boone Henderson
ns 12 e Pendergrass Harvey
ns 13 e Warren Jos R
ns 14 e Pendergrass J Vernon
ns 15 e Tippett Robt L
ns 16 e Markham Jesse

OLD RALEIGH ROAD (See Angier av)

OLIVE (West Durham) — From 700 Broad to 8th, 2 north of 1800 west Main
1800 Ray Jas T
1801 Oakley Virginia H Mrs
1802 Bradshaw John
1803 Conway Henry C
1804 Hoggins Hugh
1805 Jackson Luther E
1806 Allen Irving C
1807 Riley Wm R
1808 Rhew Wm L
1809 Tippett Jos W
8th intersects

ORANGE—From 100 W Parrish north to E Chapel Hill
102 Boone Drug Co (side ent)
108 Gladstein Melvin (rear ent)
108½ △Hockfield Co Inc hosiery fnshrs
Orange Alley begins
110 People's Savings Store (rear)
111 Vacant
111½ Vacant
112 Butner Military Store (rear)
113-15△Durham Electric Construction Co Inc
114△Carden Printing Co
121 Christian-Harward Furn Co (repr shop)
123△Darling Slipper Shop (whse)
△Bissette J C Sewing Machine Sales & Service
125△Riley Paint Co (ofc)
US Dept of Agriculture Farm Security Administration
E Chapel Hill intersects

ORANGE ALLEY — From 110 Orange west and north to E Chapel Hill
(No houses)
E Chapel Hill intersects

OREGON (West Durham) — From Mulberry south to Duke University road, intersecting 1700 Erwin rd
(No houses)
SouRy crosses
W Pettigrew intersects
Erwin rd intersects
205△Mayes Otto W
209△Andrews Wm S
211 Eudy I Hoyt
220 Hogan Bessie D Mrs
222 Johnson Jas Y
223△Avery John A
225△Adcock Yuille W
Pace begins
300 Philpott Nannie B Mrs
302 Rhew Wm G jr
303△Mangum John A
305△Hester Geo W
306 Cates Thos J
308 McKellor Manley O
309△Rigsbee A Eliza Mrs ⓪
310△Parrish Alton T
311△Yow Kenneth M
Bynum begin
401 Coltrane Carl W
406△Lewis Payton H
Vance begins
Myrtle dr intersects
Duke University rd intersects

ORIENT—From 701 W Trinity av north to Dacian av
906 Pendergrast Elwood M
907 Hobbs Walter
910 Nance Robt L
Sykes Julian L
913 Mangum Vannie L
914 Glenn Connie D
915 Stone Ola Mrs
918 Porter Apsy
919 Shropshire H Lonnie
920 Draughan C Bright
921 Cilayton Wm
922 Buchanan Vernon
923 Watkins Wade C
925 Walker Wm E
926 Thomas Luther L
△Peninger David
928 Tilley Merritt M
Glenn John E
929 Pendergrast J Oscar
932 Moss Robt E
N&WRy crosses
Dacien av intersects (ws not open)

OTIS (Hayti)—From 300 Formosa av southwest beyond Weaver, 2 west of Fayetteville
2000 Adams Fred (c)
2003△Francis Jos L (c)
2004△Martin Davis B (c) ⓪
2005△Davis John H (c) ⓪
2005△Davis John H (c) ⓪
2008△Foreman Ronald C (c) ⓪
2010△Knox Lawrence H (c) ⓪
2011△Cook W Lionel (c)
2012△Perry Robt C W (c) ⓪
Pekoe av intersects
2109 Stone Oliver P (c)
2112 Atwater Callie (c)
2114 Allen Maggie (c)
2116 McClain Fannie M (c)
2117 Dixon Malissa (c)
Nelson begins
2206 Sellers Robt B (c)
2207 Tutt Walter (c)
2209 Lyon Wm A (c)
2223 (2217) Coleman Hal C (c)
2225△Williams Henry (c) ⓪
City limits
Durham County
Cecil begins
2300 (2227) Davis Annie (c)
2301 Massey Jas (c)
2304 (2228) Geer Jas (c)
2305 Moore Annie (c)
NSRy crosses
Weaver begins
2405 Munn Pearl (c)
2406 Barnett Plunk (c)

OVAL DRIVE (West Durham)—From 1104 Oakland av east and north in semi-circle to Woodrow
1110△Hinton Wm A
1111△Barringer Russell N ⓪
1112△May Luke R ⓪
1114△Cates Clyde L ⓪
1116△Duncan Fred M ⓪
W Club blvd intersects
Woodrow intersects

OVERHILL TERRACE (Forest Hills)—From 900 Forest Hills Drive E east and south to 800 Forest Hills Drive E
W Enterprise ends
720△Miller J Howell ⓪
Forest Hills Drive E intersects

OWEN (East Durham) — From 2301 Angier av east to Rogers
2305 Wilkins Fred L ⓪
2307 Morton Edgar W
Bruce begins
2401 Stephenson Talmadge
Wilson Zelma Mrs
2403 Vacant
2404△Vickers Ada G Mrs ⓪
2408△May Roy A ⓪
2410 Jones Lillie B Mrs ⓪
Rogers intersects

OXFORD (Tuscaloosa Forest)—From Nation av southeast to Horton drive, 2 northeast of W Cornwallis road(not open between Legion av and Horton drive)
(No houses)
Legion av intersects
(not open between Legion av and Horton drive)
Sarah av intersects (not open)
Horton drive intersects (not open)

PACE (West Durham) — From 300 Oregon west to Alexander av
1702 Briggs Jos T
1706 Thompson Richd Z
1707 Durham Mary E Mrs
△Bowen Wm D ⓪
1708 Stephens Wm A
1709△Renn Gilbert F
1710 Westbrook Cora H Mrs
1711 Strayhorn Horace B
1713△Blake Paul H
Alexander av intersects

PAGE (West Durham) — From Thaxton av northeast to Case, intersecting 400 Powe (not open between Thaxton av and Powe)
Myrtle drive intersects
Powe intersects
1406 Mumford Wm M (c)
1407 Vacant
Swift av intersects
1513 Carden J Arth
1516 Blue Wm J
1517△Riggs Thelbert L
1518 Jones Erwin C
1519 Watson Floyd H
Case intersects

PALMER—From Ripley to 1917 Chapel Hill road
1801 Gallagher Jas P ⓪
1803△Smith Lloyd A ⓪
1805△Jones Louis H
1807△Wimberly J Matthew ⓪
1808△Ripley Allen E ⓪
1811 Lakewood Methodist Ch
1817△Durham Jos S ⓪
Chapel Hill rd intersects

PAMLICO—West ½ block to Rand 1 north of W Markham av
503 Robinson John (c)
505 Clay Chas (c)
Rand intersects

PARK AV—From 2000 Southgate north to Holly (not open between Juniper and Holly)
507△Mims Wm H
508△Owensby Edgar R ⓪
509 Schachner L Jos
510 Crabtree iVola V Mrs
Ray Horace D
511 Carver Louis J
512 Taylor Beeler V
513 Riddle Moody D
Clifton Wade V
514 Leonard Walter E
△Smith Reuben T
515△Hanner Wm C
516△Daniel F Gregory ⓪
518 Trice Chesley A jr ⓪
519 **Apartments**
1 Mims Chas M
2 Morgan Claiborne L
3 Carpenter Neal G
4 Stothard Harry F
Street continued
520△Smith Paul C
△Ray Berter K
Liberty intersects
702△Bowles Annie Mrs ⓪
703 Pollard Mary Mrs
705△Dalton John T ⓪
708△Daniels J Fred
709 Vacant
710 Jones Ralph W ⓪
Lathrop begins
801△Ferguson Andrew L
802△Sorrell Raymond A ⓪
803△Johnson John T ⓪
804△Barbour Paul T
Rich Forrest
805△Husketh L Leonard ⓪
806△Dowdy Lindsey A
△Ferrell Ralph A
808△Gregory Gerald M ⓪
Yates Pennie R Mrs nurse
809△Lunsford Dennis T ⓪
Holloway intersects
904△Ferrell Lewis E
905△Browning John E
△Sorrell John P
906△Howard Jesse M ⓪
907△Mangum J Marvin ⓪
plmbr
908△Hill Chas D
909△Fletcher Daisy T ⓪
△Jones J David
910 Clegg Martin B

Details For:	Year	Source	TP	Adjoining
ORIENT	1944	Hill Directory Co., Inc.,	-	X

TIONA AV—Contd
514 Jenkins Roy E
601 Wheelers Hiram M ⓪
602 McClamroch Wm L ⓪
604ΔMcClamroch Jos J ⓪

TOBY (Edgemont)—From 205 S Elm south to Lyon
403 Roberts D Frank
404 Rigsbee Julia Mrs
406 Glasgow Hal
Short al intersects
407 Mangum Wiley
408 Loye Wm C
409 Frye W Lester
410 Ivey Lela E
412 Boothe Jos A
414ΔGlasgow John O
416 Thomas Haywood
418 James Marvin M
Lyon intersects

TRINITY AV E—From 1000 N Mangum east beyond N&WRy
106ΔSears Clyde A
107 Grace Baptist Church (Sunday Sch room)
108ΔMarcom Ruth E Mrs ⓪
109 Vacant
110ΔRodgers Jas W
112ΔPearce Wm P
113ΔGriffith Geo B ⓪ used cars
115ΔWard Ella E Mrs ⓪
116ΔMaynor Vernon
117ΔBranch Emma Mrs
118ΔGillam Geo W ⓪
Roxboro intersects
202ΔNorth Durham Grocery
203ΔByrd K Margt Mrs
ΔBergman Julius S
204ΔMangum W Bryan
206ΔBryan John J
207ΔIsaacs Geo E ⓪
208 Ward Frank H ⓪
210ΔMize Zeta B Mrs ⓪
Shawnee begins
302ΔTyson Saml R ⓪
303ΔWatkins Nannie L Mrs ⓪
304 Calvary Methodist Church
N Elizabeth ends
308ΔJones Eliz M Mrs ⓪
311ΔRoberts Jos C ⓪
312 Vacant
313ΔCauthen Ethel R Mrs
316ΔByrd Hubert R ⓪
317ΔParrish Donnie W ⓪
319ΔHardee Walter P ⓪
320ΔLloyd Decator C
321 Wilds W Ellison
321½ΔJulian Wm B
323ΔGarrard Vernie C ⓪
325ΔStone S Walker ⓪
Hamlin intersects
326ΔThomas John L
401ΔHamlin Mabel V Mrs ⓪
ΔFreeman Robt E
403ΔBroughton Maude Mrs
406ΔCheek C Taylor ⓪
O'Reilly Mary C nurse
409 Inscoe Eliz W Mrs ⓪
411 Williams L A
413ΔSteele Torey C Mrs ⓪
Peace begins
501ΔBrodgen Benj J ⓪
503 Bass Chas P ⓪
505ΔStanley S Wallace
507ΔJordan Wm
509 Emory Preston F
511ΔParrish Elma Mrs
Frederick intersects
513ΔPoe Bailey D ⓪
514ΔAdams Ira L
514½ Fisher Chas S
516ΔSmith Archie L ⓪
518ΔSmith Cody H ⓪
Edgar intersects
600ΔCampbell G Harvey ⓪
601 Vacant
Avondale dr intersects
604 Taylor Essie L Mrs
610ΔFaucette S Fred ⓪
E Markham av intersects
Alcott begins
702ΔCarpenter Lucy H Mrs ⓪
706 Tuchmann Jacob H ⓪
708ΔMangum Ester
709ΔDraughon Wells R ⓪
710ΔGreene Eug E
East begins
805ΔWells Oren C ⓪
807ΔByrd Lillian D Mrs
809ΔPope Eug G ⓪
Mary ends
901ΔReese Riley B
906 Cooke Geo B ⓪
907 Cooke W Bryant ⓪
908 Cooke Jos M ⓪
909ΔCooke Alvin M ⓪
910ΔJohnston R Louis
Lawing Norris C
1002ΔMinnis Saml J
1003ΔLove Geo C ⓪ civ eng
1007ΔMagocsi Alex W
1010ΔWatts Jas E ⓪
1011ΔPritchard J Jackson ⓪
Hinton Howard
1014ΔVickers Wallace L ⓪
1027 Owens Richd E
1102 Oakley Raymond P ⓪
1103ΔVickers Eug T
1104ΔVeasey Rex M ⓪
1108ΔBoswell Mary E Mrs ⓪
Rogers Robt T
1109ΔStedman John W ⓪
1110ΔBarnes Wiley L ⓪
1113ΔPickard Saml J ⓪
1205ΔCovey Edgar D
Hayes Leo L ⓪
1206ΔPeed Geo R ⓪
1207 Peterson H Eug ⓪
1209ΔBrooks Gilbert G
1210 Allen Chas ⓪
1211ΔRibet John A ⓪
1215 Fuller Jasper
1401ΔColclough Everett M Mrs ⓪
1505ΔHurst M Leonard
City limits
Durham County
ΔMuirhead Wm Constr Co Inc
ΔConstructors Supply Co Inc
N&WRy underpass

TRINITY AV W—From 1001 N Mangum west to N Buchanan rd
104ΔCole E Stewart ⓪
106 Hargrove Hezzie C
107ΔShipp Bess W Mrs ⓪
ΔSeay G Lloyd
108ΔGarrad Lorena ⓪
Proffitt Blanche M Mrs
109ΔAlfrey Robt S
109½ΔPridgen Jos D
110ΔWaldron Chas E jr
111ΔO'Briant John M ⓪
112ΔRose Jos L ⓪
113ΔO'Neal Edw M ⓪
117ΔHopkins Gordon C ⓪
118ΔTilley Wm E
119ΔWeatherly Jas W ⓪
120ΔYoung Noel W
121ΔMoss Maurice ⓪
122ΔChristian John W ⓪
ΔMills Lannie nurse
Glendale av intersects
201ΔHamlin Inez J Mrs mus tchr ⓪
202ΔWilson Odie G ⓪
Sanford Mary nurse
203ΔCarlton Norman C ⓪
204ΔMiles D Earl ⓪
205ΔGrantham Geo K jr ⓪
206ΔAtkins Albertus F ⓪
207ΔMaye J Harvey
2076ΔStone W Clyde
208ΔMiller Chas J
209 Hayes Felton D
209½ Hawkins W Rainey
Bay al ends
210ΔCurrin Bessie C Mrs ⓪
211 Young Carlis E ⓪
212ΔGrady Allen W ⓪
213ΔGlenn Delia Mrs ⓪
215 Draughon Lee A
216ΔBoycroft Marvin A ⓪
217ΔHolloman Maude T Mrs
218ΔRice Chas F
219ΔMarshall Lewis A
219½ΔHackney Malcolm E
222ΔWatkins Wm M ⓪
228ΔKatz Lena Mrs ⓪
230ΔSalter Geo J
North intersects
311 **Allenton Apartments**
Apartments:
1ΔPierson Frank
2ΔAtwood Theo W
3 Vacant
4ΔCox A Leroy
5ΔWard D Kirby
6ΔRhead Roland F
Street continued
312ΔChambers Sidney C ⓪
314ΔKimbrell Horace W ⓪
319ΔAlexander Wm C
320ΔReeves Norman O ⓪
321ΔKimbrell Odell C ⓪
323ΔJohnson Elsie C Mrs
Foster intersects (ns not open)
Washington intersects
Orient begins
701ΔWoods LouElla W Mrs gro
N&WRy crosses
807ΔErwin Cotton Mills Co The (mill No 6)
808 City Lyceum Recreation Center
Duke intersects
901ΔKnight R Herman
906 **Trinity Apartments**
Apartments:
1ΔWarren Linwood A
2ΔJohnson Ernest L
3ΔWarren Cora M Mrs
4ΔHockfield Saml
5ΔSwartz Max
6 Vacant
7ΔPollard Harvey S
8ΔHayes Wesley R
9ΔAllen Oral G
10ΔPendergrass Ellen S Mrs
ΔDonnelly Abner R
11ΔMiller Frank H
12 Ellington Nell
Street continued
909ΔMulholland Christopher C
911ΔPittman Robt A
913ΔHughes Jennings L
916 **Ambassador The**
Apartments:
1ΔMitchell Geo S
2ΔSmith Roy L
3ΔPope Edw H
4 Yelverton Cath C Mrs
5ΔRouse Margt E
6ΔMiles Effie A
7ΔClarke Chas P
8ΔSutherland Marshall C
9ΔKiser Wm W
10ΔMatthews Wm A
11ΔLyon J Blount
12ΔWright Jesse D
14ΔTaylor Hugh E
15ΔSchumaker Bertha C Mrs
16ΔWebster Tuggle W
17ΔKatherman Elliott T
18 Vacant
19ΔMcDonald Sallie F Mrs
Street continued
918ΔBurroughs John E
ΔFedalei Albert J
924ΔLlewellyn Anne R Mrs ⓪
926ΔAtkins Chas T ⓪
927 Trinity Avenue Presbyterian Church
N Gregson intersects
1001ΔLeary Lewis G jr
Roberts Eug
1002ΔOakley Thos M
Dean Lylie Mrs nurse
1003ΔCotton Minnie L Mrs ⓪
1004ΔBreedlove Ethel M
1005ΔWilliams Claude B ⓪
1006ΔFreedman Jacob S ⓪
1007ΔWinters Clarence G
Davis Wm H
ΔGras Alf E
ΔRulon David B
1008ΔMay John W
1009ΔSuitt Fred L ⓪
1010ΔCrutchfield Agnes C Mrs ⓪
1012ΔPotts Reginald H jr
1014ΔMason Herbert A ⓪
1015ΔCooke Robt B
1017ΔWebb Albert M ⓪
1019ΔBrasher S Merritt ⓪
1020ΔSloan Gertrude H Mrs ⓪
1021ΔAngier Saml J ⓪
1022ΔDerrott Mary A Mrs ⓪
1023ΔLowrance Roy W
1024ΔVaughan Jos L ⓪
1026ΔWilson Wm A jr
ΔHighsmith Jasper N
1027ΔBanzhaf Clayton H
1030ΔGates Arth M
Watts intersects
N Buchanan rd intersects

Details For:	Year	Source	TP	Adjoining
TRINITY AVE W	1944	Hill Directory Co., Inc.,	X	X

VIRGINIA AV—Contd
1210△Coble Thos S jr
1212△Johnson Robt C
1214△Weaver Pearl G Mrs
△Greene Odell C
Woodrow intersects
1300△Spencer Buxton W jr ◎
1304△Phillips C Eug jr ◎
1306△Weaver Jos E ◎
1308△Walker C Edw ◎
Wilson intersects
1400△Harding Keith D ◎
1401△Hutchings Philip W ◎
1402△Hull Claude W ◎
1406△Hester Ernest C ◎
1407△Harrell Dewey H ◎
1408△Helms Howard J ◎
1409△Morgan Francis G ◎
Pershing intersects (ws not open)
1503△Schlayer Clotilde ◎
1505△Kempner Walter ◎
Sprunt intersects

VISTA—From 300 E Markham av north to E Knox, 1 east of Roxboro rd
1702△Jones Haywood A jr ◎
1709△Swartz Sam ◎
1712△Moel Leon A ◎
1726△Green Ernest R ◎
E Knox intersects

VIVIAN — From 300 McMannen northwest to Blackwell
101 Austin-Heaton Co (plant)
South begins
205△City Cold Storage
208△Brame Specialty Co whol paper
209△Duke Power Co (ice plant)
Blackwell intersects

WABASH—From ½ block north of Dayton south to city limits, 3 east of S Alston av (not open)
Dayton intersects (not open)
Cooper intersects (not open)
City limits
Durham County

WAGONER (West Durham) — From Guess rd southwest to Maryland av, 1 northwest of Broad
(No houses)
Delaware av ends
Maryland av intersects

WAKE FOREST (Durham County) (Continuation of Holloway) —From city limits east beyond Herbert
Hardee intersects
Herbert begins
1921△English Edw R
1923△Sawyer Henry C ◎
1925△Karriker Thrman R ◎
1927△Fletcher Maynard D ◎
△Andrews Thelma K Mrs
1928△Carpenter A Wesley ◎
1929 Wilkerson Wm T
1930 Carpenter Hubert J ◎
1931△Harward Landon D ◎
1932△Penny Julius M ◎
1933△Studivant Clarence T ◎
1936△Price Robt D ◎
1937△Houston Fredk I ◎
1938△Marks Wm E ◎
1940 Smith John M
2005 King Woodrow W
Thomas Albert
2007△Miller Vander ◎
2009 Hardee Roberta Mrs ◎
2010 Hardee David L
2013△Hardee Parrott B ◎
2619△Ingold Jas E

WAKE PLACE — From 1008 Lynchburg east to N Elizabeth
305 Mitchiner Maggie (c)
306 Holloway Henrietta (c) ◎
308 Beasley Ulysses (c)
309 Harden Isaiah (c)
309½ Staten Victoria (c)
310 Bullock Martha (c)
311 Carrington Willie E (c)
312 Cates Mamie (c)
313 Johnson Kent (c)
314 Barbee Odell (c)
315 Page Martin (c)
316 Cohen Jos (c)
318 Dalley Norman (c)
N Elizabeth intersects

WALKER — From 600 E Main south to Lyon
108 Russell Vada M Mrs
110△Thompson Barney F
Parrish pl intersects
203 Pegram C Benj
206△Elkins Jas P
Adrian begins
207 Taylor Emma Mrs
N&WRy crosses
ns△Durham Hosiery Mills No 6 (packing dept)
S Elm intersects
403 Davis Wm W
405 Minor Geo W
Short al intersects
407 Bennett Harbert B
409 Whitaker Oscar A
411△Williams J Stanford
413 Berry Lovie G
415 Parker Jas C
417 Vaughn Carrie Mrs
Wheeler Elwood
418 Wilkins Cena Mrs
419 Glenn Otho J
Lyon intersects

WALL (Edgemont)—From N Elm southeast to N Holman, 4 northeast of E Main
1102 Oakley Earl V
1103 Smith Wm C
1104 Price Robt E
1105 Fowler Luther H
1106 Daniels Ervin W
1107 Holt Furman
1108 Hurley Walter A
1110 Burton Nancy J Mrs
1111 Wilkie Roy L
N Alston av intersects
1201 Fowler Wm H
1203 Mangum Alex S
1205 Estes Vascar D
1206 Pridgen Layton A
1207 Watkins Robt L
1208 Privette Levander E D
1209 Parker Jas G
1210 Tharrington G Cleve
1211 Carlisle Wm D
1212 Hill Harry
N Holman intersects

WALLACE—From Blount west to Ward, intersecting 1618 James (not open between Blount and James)
James intersects
1904 Terrell Jas R
1914 Terrell C Glenn ◎
1916△Rigsbee Stewart C ◎
1920△O'Kelley Jas F ◎
1922△Ballou Wendell W ◎
Ward intersects

WALL TOWN—A colored residential section in northwest part of city, north of B to W Club blvd and from 2d west to 4th

WALNUT — (Changed to Hopkins)

WALTON—From ½ block northwest of Grant southeast to 1000 S Alston av (not open ½ block northwest to Grant)
Grant intersects
800 Baldwin Owen W (c) ◎
801△Miner Robt (c) ◎
803△Hawkins Wyatt (c) ◎
804△Robbins Grant (c) ◎
807 McCoy Wm T (c) ◎
809 Blunt Theo (c) ◎
811△Felder Chappel P (c) ◎
Colfax intersects
901a Keith Macon (c)
901b Fairley Fred (c)
902 Marshall Carrie (c)
903a Owens Vera (c)
903b Corbett Lawrence (c)
904a Ransom Chester (c)
904b Gulledge Horace (c)
905a Keith Viola (c)
905b Johnson Ronald (c)
906a Sellers Geo (c)
906b Hall Bruce (c)
907 Tatum Eug (c)
908 Sellers Saml (c)
909a Keith Marvin (c)
909b McNeal John H (c)
910 Jones Bud (c)
911 Stewart Richmond (c)
912 Jones Haywood (c)
913 Hayes Jas R (c)
S Alston av intersects

WARD—From Forest Hills blvd West, west and northwest beyond Pierce, 2 northwest of 1800 University dr (not open between Chapel Hill rd and beyond Pierce)
(No houses)
Oak dr ends
Westwood dr ends
Kent intersects
Rosedale av intersects (not open)
1727 (370) Fink Bernard
Blount intersects (not open)
James intersects
Wayne begins (not open)
Wallace ends
1925△Council Chas T ◎
Willow intersects (not open)
2002△Hendrix Andy E
2006△Tilman C Wilson ◎ bldg contr
2014△Hay Wellington J ◎
Huron begins
Ruth av ends (not open)
2104△Kendrick Richd G ◎
Chapel Hill rd intersects
(Not open between Chapel Hill rd and beyond Pierce)
Lashley begins (not open)
Meadow begins (not open)
Anderson intersects
City limits
(Durham County)
Pierce ends (not open)

WARREN — From 200 Jackson southwest to Willard
506 Munford Nellie N Mrs
508 Cooke Parvey C
510 Vacant
512△Morris Irene L Mrs
514△Tyndall Clovis F
517△Anderson Murray C
518 Prince Maggie G Mrs
△Bishop Jos T
519 Ford Galor M Mrs
520 Peterson Henry W
523△Emery Jane H Mrs
524△Williford Aulsey M
525△Miles Irene Mrs
526△Thomas Henry S
527△Blackley Jane Mrs ◎
530△Hackney Bun W ◎
New ends
538△Hobby Thos M gro
Willard intersects
es 1 s Liggett & Myers Tob Co (whse)

WASHINGTON—From 600 Randolph north to Glendale av (not open between W Markham av and W Knox, also between Everett pl and Crawford av)
301 Vacant
307 Odom Carrie H Mrs
315 Graham Luther
318△Cates Saml O
Jones Edwin B
319△Bennett J Oscar
320 Ennis Georgia Mrs
Corporation ends
Lamond av begins
Morris ends
——△City Garage
——△City Sanitary Div
W Geer ends
701△Am Oil Co (plant)
706 Koutaupas Alex
708 Williams Horace L
802 Watson Claiborne
804 Thompson Bertha Mrs
806 Ellis Grover W
808 Cook Chas jr
810-12△Model Laundry Co (dry clng dept)
W Trinity av intersects
901 Johnson Tildon J
905△Johnson Jas B
907 Brown J Alton
911 Hobbs Edw

Details For:	Year	Source	TP	Adjoining
WASHINGTON/W GEER	1944	Hill Directory Co., Inc.,	-	X

203△Webb Cornelia
△Snow Horace N
204 Mangum K R ⓪
205△Winder Thos A
△Eubanks Ethel Mrs ⓪

1104△Shipp Connie H ⓪
△Shipp C H Construction Co contrs
1105△McConnell Wayne D
1106△Poteat Douglass J

WEST DURHAM—A residential section in west part of city west of Buchanan rd and north of Myrtle dr to city limits

Details For:	Year	Source	TP	Adjoining
WASHINGTON	1944	Hill Directory Co., Inc.,	-	X

1101 MALONE VALLIE T MRS ●
682-4039
1102 CARVER FRANK G 688-1832
1103 SYKES ANNA J MRS ● 682-0022
1104 UMBERGER GILBERT R ● 682-7669
1106 FLETCHER CARY W ● 682-0562
1107 IKNER CAROLYN F ● 688-6031
1108 IVEY MATTIE M MRS ● 682-0531

314 SCOTT & ROBERTS INC DRY CLNS
596-8219
316 A & P FOOD STORES 596-5121
318 LE ROY OF DURHAM AUTO INS
596-2121

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3439 JOHNSTON SARAH MRS ● 477-6474
3500 BEST JOHN M ● 477-6093
3510 CASEY CARL D 477-3120
3604 WILSON,AUTO SERVICE 477-3500
3612 COOK HURLEY S 477-6389
3614 EARP JULIUS H ● 477-6152
3700 VACANT

1204 RHEW MARIAN A MRS 682-0587
1205 VACANT
1206 COPELAND JAMES A 682-3809
1207 WEAVER NINA B MRS 682-5974
1207½ VACANT
1209 CARSWELL WM J
1209½ HILL LORETTA A MRS

417 RIGSBEE S GILFORD ● 596-6874
420 MORRIS RICHD W 596-6997
423 HARRIS JAMES N 596-5931
424 FONVILLE LYDIA S MRS ●
596-5894
428 TIPPETT ROBT A ● 596-6485
429 MATHES JOHN F ● 596-6977
MATHES JOHN F JR ● 596-6977

---ZIP CODE 27701
115 LANE AUTO SUPPLY CO INC WHOL
(BR) 688-8025
121 MATHES J M CO INC 682-0331
---MORGAN INTERSECTS
---FERNWAY AV INTERSECTS
---LAMOND AV INTERSECTS

1501 GOSS AUBREY L 688-6602
1502 LEE DAMER J MRS
1505 WHITE WM T 688-7228
1506 BAHRENBURY ELIZ 682-3608
1507 WILLIAMS THELMA R MRS
682-4693
1508 BRADLEY'S BEAUTY SALON

450 OVERMAN J HENRY GRD ● 596-6513
451 GARLAND WOODCRAFT CO INC CABT
MKRS 596-6830
452 HARDISON HERBERT F ●
456 JAY HOSIERY MILLS INC 596-6030
458 BILL'S ORNAMENTAL IRON SHOP
596-8360
460 HARMON AIR CONDITIONING CONTRS

1 BUGGEMAN BURTON
2 FOSTER JAMES 688-3891
3 TRUSSELL ERNEST L
4 PERRY GREG 688-6224
5 SMALL JANIE F 682-0106
6 LOTHMAN ERIC 682-1731
7 VACANT
8 DAVIDSON MEHRON W 688-4041

DRIVER ST S -FROM 2100 E MAIN
SOUTH

---ZIP CODE 27703
101 CITY FIRE DEPT (STA NO 3)
596-5331
102 FRYE LUBY H JR 596-6400
BEAL VICTORIA

---PETTIGREW INTERSECTS

50

DRYDEN LA (PARKWOOD)-FROM 5215
NEWHALL RD EAST, 1 SOUTH OF
CLERMONT DR

801 FOWLER AMBROSE W ●
O'BRIANT REX C 682-1021
802 POE LINWOOD E ● 682-4405
803 BRINKLEY NORMAN 682-7286
804 SMITH JOSIE B MRS ● 682-0090
805 SENTER NORA R MRS ●
807 AUTRY WM O ● 682-6097

116 GREEN CECIL J
117 GLOVER ETHEL L NURSE ●
596-5161
JONES LILLIE G MRS ● 596-5161
118 BURCHAM ARTH E ● 596-5315
119 KERR THOS E 596-5744
121 RUSSELL DOFFERS ● 596-3446
---HART INTERSECTS

111 UTIARSKI ANTHONY ● 544-1005

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DUANE ST -FROM 2902 E PETTIGREW
SOUTH, 1 WEST OF ELLIS RD

---ZIP CODE 27703
101 TATE NATHL ● 596-2279

6 POND ROGER A
7 AUSTIN JUDITH L 682-0020
8 RAMBO ALMA 688-1550
9 VACANT
10 LILES ANNE M 682-5307
11 HOUGH ANN 688-6104
12 JENNINGS PHILLIP

210 MC GEE MIRIE H
211 HAYES H DEWARD ● 596-5484
HAYES ALMA H MRS NURSE
212 DRAUGHAN MARY L MRS ● 596-8359
JONES CHARLES R
213 HAYES MARGT L MRS ● 596-5580
214 JOLLY'S BEAUTY SHOP 477-5898
215 MOSS OLLIE H ● 596-7356
---ASHE INTERSECTS
301 ANGIER AV BAPT CH ANNEX
302 VARIETY STORE 596-4654

--- ZIP CODE 27704
2805 VACANT
2820 NEWTON PAUL A ●
2823 PENDERGRASS JACK H ● 682-1793
2833 VACANT

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DUKE LA (BRAGTOWN)-FROM BELVIN
NORTH

---URBAN AV INTERSECTS
1000 GEORGETOWN MANOR APTS
1 JENKINS EDW
2 ACOMB FRANCES D 286-3300
3 JONES DAVID M
4 MORGAN CARL F 286-3291
5 IVEY FAITH J 286-5059
6 JENKINS MARIANNA 286-1393
7 WELSH ED 286-2004
8 WRIGHT THOS D JR 286-0655
9 ROBUCK ROSE 286-3415

Details For:	Year	Source	TP	Adjoining
DUKE ST N	1969	HILL DIRECTORY COMPANY -		X

CLUB 688-2879
321 SEVEN UP BOTTLING CO OF DURHAM
INC 682-0329
TRU-ADE BOTTLING CO 682-0329
324 FARGO A J DURHAM ART SHOP
ORIENTAL & DOMESTIC RUGS
688-2037
---RIGSBEE AV ENDS

7068 MOORE SAMPSON
707 WRIGHT SARAH MRS • 489-9619
708 MC IVER MARY H 489-1787
709 LONG CHARLES W 489-8042
711 JACOBS NORWOOD L 489-6307
---JACKSON INTERSECTS
801A VACANT

1207 HAMMOCK G H PNTR
1208 HOLSCLAW CALVIN C • 688-6855
1209 MANGUM CLARENCE I • 688-7901
1211 KIRBY VERNELL 682-8295
1212 DAVIS HENRY A • 688-7905
1214 HANNER WM C • 682-8379
1216 MC BROOM SAML A • 688-7453

PROFIT FOUNDATION 682-5785
---FOSTER INTERSECTS
420 VACANT
---WASHINGTON INTERSECTS

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GEORGE ST -FROM 2109 FAYETTEVILLE

807A SMITH WILLIE
807B FULLER LOUIS
808B JUSTICE ARTH J 489-1989
809 STEVENS WM L 489-1987
MORMON BENJAMEN 489-1987
810 WILLIAMS AVIS
811 LONG JOHN T 489-1589

1005 GUNN WM S • 688-3859
GUNN MARY E MRS NURSE
1007 NOELL PURVIS E • 688-2692
---MURPHY INTERSECTS
1101 LESTER WOODY JR 682-3801
1105 JOYER BEATRICE MRS • 682-4060
1107 JOHNSON THOS H • 688-4918

682-8704
3 DAVIS ALONZO 682-6677
4 MAYBERRY THOS J JR 682-1428
521 FACULTY APARTMENTS
BLUE ILLA J
COLEMAN INEZ E 682-7575
PARKER JAMES E 688-1480

819 JOHNSON EFFIE F MRS
---DAVIS INTERSECTS
902 LINDSEY ESTER

10

GILBERT ST -FROM 402 N ELIZABETH
EAST, 1 NORTH OF HOLLOWAY

WEATHERS JOE 682-2783
1317 LANGLEY BEATRICE M
---EUGENE ST BEGINS
1324 EBENEZER BAPTIST CHURCH
688-2070
---AMBER PL ENDS
---BAILEY INTERSECTS
1403 VACANT

RD NORTH, 1 WEST OF LAWNDALE AV

---ZIP CODE 27705
---ENGLEWOOD AV INTERSECTS
1105 CITRINI ANTHONY M • 286-9137
1106 BUTLER MYRA W MRS • 286-9480
1107 SHARPE RAYMOND E

(WHSE)
711 CENTRAL CAROLINA FARMERS INC
(WHSE)
801 CENTRAL CAROLINA FARMERS INC
682-6141
---PEARL BEGINS

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JOHNSON CHARLES
1508 VACANT
1509 JOHNSON MORRIS J • 688-2718
1703 VACANT
1705 VACANT
---PLUM INTERSECTS
---BERNICE INTERSECTS

1304 NEWTON IVEY J •
1305 THAXTON BENJAMIN C • 286-4180
1316 MC BROOM JOSEPH R • 286-3733
1400 ABBEY WALLACE D JR • 286-7440
1403 HAMLETT ROSWELL W • 286-7693
---WOODROW INTERSECTS

910B SUITT RUTHIE L 688-3987
912 JONES WILLIE R MRS
912B WELLS JESSIE 682-8358
914 RORIE ISEBELLE MRS
916 WILLIAMS JAMES 682-0752
918A HOLDER ODIS G
918B HASTING ANNIE B MRS
920 JOHNSON RAKE JR

---VIRGIE INTERSECTS
---CAROLINA AV INTERSECTS
---DEZERN PL BEGINS
2306 WHITE ANNIE R MRS 286-4779
2308 BOWMAN WM D 286-7979
FERRELL VERA E
WAY EFFIE M

103½ CURRY LAWRENCE H JR 688-3449
105 HODGES YVONNE G MRS 682-6388
105½ BAKER CARSON 688-1840
108 O'NEIL EDW C ● 688-4218
109 VACANT
110 WILLIAMS JAMES W
111 SAWYER GEO C 688-4243
112 BROWNING JAMES B ● 688-7076

---ZIP CODE 27701
207 MILTON JOHN
209 SMITH RUSSELL 682-5302
211 TENNEY O B MRS 688-6464
213 KING IRENE M MRS 682-0545
BRANCH ESTHER MRS 688-7620

1108½ LEWIS FLORENCE MRS
1109 ALLEN MARY W MRS

24

---ALSTON AV INTERSECTS
1200 BURTON ELEMENTARY SCHOOL
688-3468
---SOWELL ENDS

---LIBERTY INTERSECTS
302 MOIZE BESSIE H
330 VILLAGE BOWL BOWLING LA
682-9145
---WELLON DR ENDS
403 VACANT
405 LEE ROBT E ● 688-1525
410 BROWN CAREY E 682-9607

---NORTH INTERSECTS

24

HARNETT ST -FROM 2200 E PETTIGREW
SOUTHWEST

---ZIP CODE 27703

28

HART ST -FROM 200 S MAPLE EAST

---ZIP CODE 27703
1901 BAILEY ROY K ● 596-5651
1904 PERRY EDWIN W JR 596-2539

422 COTTON CLEM M ● 682-7308
423 SHEPHERD NORMAN E
424 VACANT
---DELANO INTERSECTS
501 POOLE JOHN R
505 TILLEY ESTELLE B MRS ●
682-1057
508 FRANCIS W M

514 DAVIS ADAGE
515 VACANT
516 CATES THOS J 596-7777
517 VACANT
518 THOMAS JOHN 596-5096
---HACKNEY BEGINS
614 PERRY EMMA
618 HAYES DORETHA MRS

1910 MASSEY GROVER T 596-5068
STONE WADE
1912 KING ELVIS F 596-5835
1913 REEVES DALLAS JR
1914 GINTER LLOYD C JR 596-6562
1916 MC DOWELL PEGGY S MRS
1917 BOYD MINA R ● 596-6291
1918 WALKER BENNET J

529 VACANT
---LANGDON ENDS
607 SMITH STEVE S 682-6320
611 VACANT
615 VACANT
616 YOUNG THOS W ● 688-4705
617 WOODARD JOHN S ● 682-6076

---ZIP CODE 27707
---MATTHEWS ENDS
307 BAILEY WM M 688-3904
309 JEFFRIES FANNIE E MRS 681-4494
RICHMOND HERMAN 688-3971
---CARRINGTON INTERSECTS

---DRIVER INTERSECTS
2105 PARKER WILLIE R ● 596-5403
2106 MC GHEE EARL C ● 596-5562
2107 CRUTCHFIELD AUBREY C ●
596-7584
2109 POOLE WILLIE L ● 596-6417
2110 REAGAN LILY MRS
2111 DORRITY FLOYD D ● 596-6670

710 CHISENHALL LARENCE E ●
688-7210
720 PERRY HATTIE K MRS ● 688-7260
724 GRIFFIN FLOYD B ● 682-8878
728 MILLER LESSIE G MRS ● 688-6600

40

807 WATSON LEE Z ● 682-0011
809 EVANS EVA L MRS
811 VACANT
813 JACKSON LIDA K MRS ● 688-6722
---DACIAN AV INTERSECTS

20

2311 MAY EVERETT M ● 596-6131
---CODY BEGINS
2402 OAKLEY BOBBY R 596-2240
2402½ RHODEN HERBERT C JR
2403 JOHNSON CARL E 596-3035
2405 RAY BETTY J MRS
2405½ REAGAN J C
2407 ADAMS FOREST L ● 596-7264

688-1845

2511 CARDEN COY C ● 596-5194

Details For:	Year	Source	TP	Adjoining
HARPER PL	1969	HILL DIRECTORY COMPANY -		X

44

MIDWAY AV (SHERRON ACRES)-FROM
LYNN RD SOUTH

---ZIP CODE 27703
604 JOHNSON MARGT F MRS • 596-2468
605 JOYNER JOHN R • 596-2465
606 BOONE EVERETT A • 596-2672
607 COOKE RUTH R MRS • 596-2467
608 SHIELDS VAUGHN W • 596-3652
610 SPELL OTTIS B • 596-2668
612 MALONE GRACE L • 596-2660
613 RIGSBEE TONY L 596-2538
---SPRING AV INTERSECTS
704 LANE OLLEN M • 596-4952
706 SPRING JACK C • 596-6331
710 SPELL ELVIN B • 596-6878
716 JEFFREYS CLAIBORNE D •
596-8428
---BOSWELL ST BEGINS
811 GLENN GARLAND D JR • 596-4951
815 SLAUGHTER OBIE G • 596-4954
821 BIZZELL RALPH E • 596-6426
901 PARKER JAMES C •
902 GLASCO JERRY M 596-2963
903 GOSS SAML W • 596-3712
908 NO RETURN
909 JOYNER ROBT S

40

MILAN ST -FROM 1933 E GEER SOUTH,
1 EAST OF WATSON RD

---ZIP CODE 27704
1507 CARRINGTON SAML R • 682-4562
1511 WOODY ROBT R JR • 682-1089
1512 ADAMS BARRY • 682-3037
1615 TURNER WILLIS T • 682-7544

50

MILFORD LA (PARKWOOD)-FROM 4905
REVERE RD WEST

---ZIP CODE 27707
102 PARKER CARL D • 544-2260
108 BALLARD LEWIS F • 544-1200
112 THACKER JAMES A • 544-1970
117 WHITE JERRY D • 544-1375
120 MITCHELL CHARLES B • 544-1262

11

MILTON AV -CHANGED TO S BUCHANAN
BLVD

42

MIMOSA ST -FROM 1209 LANDON NORTH,
1 WEST OF HARDEE

---ZIP CODE 27703
606 VACANT
610 VACANT
611 STRICKLAND LEON L • 682-7554
613 COOKE GEO W • 682-1508
616 MC NARY WALLACE E 688-1461
617 SIMPSON JULIAN • 682-8377
620 SKIPPER JIMMIE M • 682-1235
621 DAY THOS J • 682-4909
623 MALLORY WILLIAM M • 682-6365
624 ARUMI FERNANDO • 688-7161
627 HALL JOHN P • 682-2614
628 PEARCE CARL C
629 PERRY MACON S • 688-4553
637 SCRUGGS M C • 682-9086

9

MINERVA AV -FROM ½ BLK EAST OF N
DUKE, WEST 1 NORTH OF GLORIA AV

---ZIP CODE 27701
---N DUKE INTERSECTS
801 DURHAM HIGH SCHOOL SCIENCE
BLDG 688-7182
---N GREGSON INTERSECTS
1002 MILLS AZZIE S MRS • 688-2119
1004 VACANT
1005 DILLON MARCUS L JR • 682-4119
1006 COLE URMA U MRS • 682-5188
1007 WILKINS MARGUERITE M MRS •
688-4001
1008 FOSTER ARTH L • 688-6735
1009 LEFTWICH WAYNE B • 688-4161
1010 UMSTEAD BEN L • 688-4003
1011 JOHNSON ANNIE B MRS •
682-4571
1012 COX RALPH J • 688-1972
HULL RAYMOND 682-9492
1014 SILVER PATRICIA • 688-2434
1015 CANNON HUBERT E GENL CONTR •
682-5928
1016 MC MICHAEL MARGT D MRS
682-2750
1016½ SHALLEY JACK E 688-2737
1018 SMITH PRESTON W • 682-3775
1020 WOODWARD JOHN L • 688-6727
1021 BLAND THE APTS
1 JONES FLORRIE • 682-2476
2 SMITH JANET 682-2890
3 DAY KATH B 682-4675
4 WEBB CORNELIA 682-3132
1022 VACANT
1024 OVERTON RENA S MRS • 688-2802
CHAMBLEE VIRGINIA 688-2804
1026 TAYLOR WM M • 682-3279
---WATTS INTERSECTS
1107 ANNEX TO KINGS DAUGHTERS HOSP
682-9489
1108 MELLOWN ELGIN W JR 682-4202
1110 UPCHURCH OLIVER W • 682-1675
---BUCHANAN BLVD INTERSECTS

24

MINT ST -FROM SMITH SOUTHEAST, 1
SOUTHWEST OF GLENN

---ZIP CODE 27701

38

MIRIAM CIR -FROM E CLUB BLVD IN
SEMI CIR, 1 EAST OF CITY LIMIT

---ZIP CODE 27704
2411 SMITH WILLIE • 477-7174
2413 ROGERS CHARLES E •
2415 GREENE JAMES A •
2417 EVANS ARTH L • 477-3396
2421 SIMPSON MAGALINE MRS
2425 CRADLE MARY MRS • 477-8604
2431 GEORGE T KELLEY • 477-2918
2433 SINGLETON THOS • 477-5807

34

MISSION AL -FROM 810 N MANGUM EAST

---ZIP CODE 27701
107 BELCHER BOBBY J
109 JONES ELSIE
111 LYON LYDIA M
113 FORRESTER JAMES
115 SUGGS DOROTHY O MRS
---KELLY AL BEGINS

40

MITCHELL ST -FROM DREW NORTH
BEYOND E GEER, EAST OF N&WRY

---ZIP CODE 27704

14

MOBILE AV -FROM ½ BLOCK WEST OF MC
COY PL,EAST

---ZIP CODE 27701
401 OLIVE ELDGE
402 HARPER BEN
---MC COY AL ENDS
---HENRY AL ENDS
503 VACANT
505 GOLDSTON WILLIE
---CHARLES PL BEGINS
507 MC LEAN THELMA MRS
508 SMITH WILLIE
509 VACANT
510A CHARLES JULIA
510B GALLIER JEANETTE
511 ALSTON JAMES
512 WHITLEY RUSIE B MRS
513 STUCKEY SAML R
514 SENFORD FRED
515 GRAY ALPHINE MRS 682-0905
516 WASHINGTON GENA V MRS
518 ROBINSON CHRISTINE
---E PROCTOR ENDS
---FAYETTEVILLE INTERSECTS

18

MOLINE ST E -FROM 1500 S ROXBORO,
1 SOUTH OF DUNSTAN

---ZIP CODE 27707
204 THOMAS ARTH L • 688-1824
205 JONES LOUIS • 682-1249
206 JOHNSON JOSEPHINE MRS •
688-1784
207 STROUD VERLY G MRS 682-2256
208 BROWN ARTH 688-7407
209 BAKER CLAUDE H 688-1241
213 GRANT HERSHER 688-3827
214 HESTER SWANIE MRS •
215 JONES LULA M MRS 682-2941
JONES DOROTHY P 688-1606
216 EADES ROBT L 688-3592
216½ WEEKS LONNIE
217 TUCKER MARGT R MRS • 688-3745
---BERN INTERSECTS
301 GIBSON JAMES E 682-3097
302 FARROW WALTER •
303 SPENCER LETHA G MRS 688-2054
304 WASHINGTON RUBY B MRS
308 HEDGEPETH HORACE C • 682-0594
309 WOODWARD LEWIS W • 682-3989
310 PERRY ARCHIE •
311 BUIE ALTON • 682-3232
313 COLEMAN ELDRIDGE R JR •
688-6589
---CONCORD INTERSECTS
401 BROWN JUANITA T MRS • 682-4842
405 LITTLE CLYDE • 688-1270
407 THOMPSON WILLIE L • 682-7171
409 ROGERS CLIFTON • 688-3213
410 SATTERFIELD LUCILLE G MRS •
682-3025
411 HILL EARL F • 688-1782
412 HUGGINS JAMES E • 688-2920
416 THOMPSON AUGUSTUS R • 688-2052
418 BROWN CORA L MRS 688-6513
420 HARVEY WARDELL • 682-0205
421 ALSTON ADA M MRS • 682-3567
---FAYETTEVILLE INTERSECTS

104 LASSITER LEE
106 SHAW LOUISE C MRS
107 ROBERTS WILLIE L • 682-3002
108 CHAVIS SARAH C MRS 688-1407
ANDREWS DORSEY 688-4242
109 TINNEN CORA MRS
110 SMITH CARRIE R MRS • 688-3132
PARSLEY ERNESTINE 688-3381

324 NO RETURN
325 KING THURLOE N • 688-1718
---WASHINGTON INTERSECTS

25

---DUKE INTERSECTS
903 VACANT

1102B KREBS SANDRA J 682-4550
1102C PETERS JO ANN R 682-4550
---BUCHANAN BLVD INTERSECTS

21

MONROE AV -FROM 3000 UNIVERSITY DR NORTHWEST

---SOUTH INTERSECTS

51

MONK RD (BRAGTOWN)-FROM ROXBORO RD EAST, 2 NORTH OF SNOW HILL RD

---ZIP CODE 27704

688-7919
909 SMITH ANNA P MRS 688-1793
910 WHITE JOHN I JR • 682-7176
911 ROOKER RANDOLPH M 682-2805
912 NO RETURN
913 BERSEBACK FRED • 688-4776
914 UNDER CONSTN
915 MORTON WOODROW W • 688-4780

2911 POE E WAYNE • 489-7186
2912 RIGSBEE W NORMAN • 489-9500
2914 ROYSTER MARY R MRS • 489-6644
2915 VACANT
2917 GODFREY GEORGIA L • 489-9209
---UNIVERSITY DR INTERSECTS

227 ORTOSKY JOSEPH M • 477-3234

7

MONMOUTH AV -FROM 1200 GLENDALE AV WEST

919 VACANT
920 CLIFFORD EDW 682-4819
921 VACANT
922 PATTON WM R • 682-0897
923 MC CLURE CHARLES K III
682-1587
924 RAMSEY JAMES H • 682-2675
926 CARR ELIZ J MRS • 682-2468

102 VACANT
104 NO RETURN
105 HOFFMAN RICHD L • 544-2808
106 MC INTOSH BRAD JR • 544-2624
107 YACHAN EMILIO • 544-2874
111 FRANZO JOSEPH A • 544-1514
115 MILLER WM S • 544-1446
116 GERBER CARL J • 544-2528

221 CATES VICTOR T • 688-6514
222 VACANT
224 LYON PAULINE S MRS • 682-3819
225 ELLIS WALTER K 688-3459
226 FOGLEMAN LUTHER L • 682-3810
227 KESTERSON JAMES B 682-2617
228 ROGERS THOS T • 682-6671

1004 BASS ARCH L • 688-2767
1005 HART DAISY C • 688-4171
1006 HARWARD LOTTIE L • 682-1454
VASHAW LOIS H MRS • 682-1454
1007 BIGELOW RICHD A • 688-6439
1008 WILLIAMSON ROSTON M •
688-7659

140 CLARK JAMES W • 544-3115
141 BOTTS ROY V •

45

MONTGOMERY ST -FROM 1700 WOODBURN RD SOUTH, 1 WEST OF SPENCER ST

(SEE PAGE

305 KENNEDY A VIRGIL • 688-1648
306 CRAWFORD EUG C REV • 688-2019
307 HARRIS IRMA M MRS • 682-1840
308 UPCHURCH JAMES G • 688-7737
309 LOUGEE GEO E JR • 688-3182
310 ROGERS J WESLEY • 682-7876
311 STABLES F KENNETH • 688-6413

1017 CHESSON MARY J MRS • 688-1877
1018 COPELAND MADELINE • 688-2421
1020 UMSTEAD DAN H • 682-6819
1021 FOWLER MARION B • 682-3784
1022 YOUNG MABEL R • 682-1910
1023 BENNETT ALLIE R • 688-4712
1024 PATTERSON KARL B • 682-3742

2726 FEIN JOHN M • 489-9401
2729 WELLS BRUCE A • 489-4713
2736 BURLAK JACOB 489-4517
2740 GALLIE THOS M III • 489-5525
2745 CROVITZ HERBERT F • 489-5801
2749 CROVITZ HERBERT • 489-5801

TRIANGLE HEATING AND COOLING CONTRACTORS, Inc.

Details For:	Year	Source	TP	Adjoining
MONMOUTH/DUKE	1969	HILL DIRECTORY COMPANY	-	X

ONSLOW ST—CONTD
819—CONTD
5 VACANT
821 JOHNSON ELTON 286-3674
821½ VACANT
VACANT
822 VACANT
823 ROGERS IVEY F ● 286-5881
---GREEN INTERSECTS
903 THORPE CHESTER F ● 286-4317
905 CHANNELLE MATTIE MRS ●
906 AMEY HENDERSON P REV ●
286-7543
907 RICHMOND OBEY 286-6245
908 DIXON JAMES C 286-8885
POOLE NEEZIE MRS 286-7437
909 HILL ALONZO H ● 286-6241
910 JONES ADMIRE 286-4023
MITCHELL CORNELIA
911 MOORE VICTORIA ● 286-6242
912 GARNER JAMES A ● 286-3884
913 MITCHELL THADDUS H 286-8766
FREEMAN PHOEBIE MRS 286-4659
914 WILLIAMS LOVIE H MRS 286-7657
915 BLUE JAMES E ● 286-1618
916 UNDER CONSTN
917 SAINT JOHN'S BAPTIST CHURCH
918 DAYE JOHN T ● 286-7602
920 WHITTED MELVIN G
ROBERTS WM
921 MEEKS JAMES O
922 MORRIS JOHNNY 286-3883
923 GRAY JOHN C ● 286-3498
925 HOOKER IOLA B MRS
PEACE SAVANNAH N MRS ●
286-8767
---KNOX INTERSECTS
1001 LYON HERMAN ● 286-9754
1001B FERRELL IRMA R MRS
1003 GOSS EMMETT H ● 286-3324
1004 VACANT
1006 HOOKER GOLDIE M MRS ●
286-4592
1008 ROSS YOUNG B ● 286-2177
1009 WOODS HARVEY W ● 286-4610
1010 VACANT
1011 POOLE JEFF JR ● 286-0333
1012 JENKINS WALKER R JR 286-4307
BLUE JOSEPH L 286-6182
1012½ BULLOCK GENEVA B 286-3186
1013 FLEETWOOD JEANETTE D MRS ●
286-2918
1014 RICHMOND LORENA J MRS
286-8327
1015 WALL CHARLES S ● 286-4118
1016 BYNUM EMMA M MRS ● 286-7550
ROBINSON HATTIE T MRS
286-4184
1017A WALL JAMES 286-7120
1017B MC MILLIAN HARRISON 286-9777
1018 PATRICK MAMIE
1019 JOHNSON GILBERT
1020 BAGLEY FANNY S MRS 286-0243
MAINE JOS W 286-2168
1021 SUITT GEORGIA B MRS ●
286-3497
1022 FERRELL VERTIE M MRS
---ENGLEWOOD AV INTERSECTS
1101A GUILLIDGE JESSIE
1101B FERRELL ERMA
1103 ADAMS CHARLES D ●
1105 WRIGHT GEO J
1107 EVANS OLA H MRS 286-6437
1109 FOSTER WALTER E 286-1524
TANNER VINSTON
1111 LAWRENCE GENATERS ● 286-4186
1113 MITCHELL SUSIE A MRS ●
286-2315
1115 TORIAN MARY D MRS ● 286-2817
1117 DAVIS JENNIE H MRS 286-2533
PARKER GRAHAM P 286-4679
1121 GILMORE BERTHA J MRS ●
286-4757
1122 WALLTOWN SCHOOL (SIDE)
---CLUB BLVD INTERSECTS
1202 VACANT
---GUESS RD INTERSECTS

1

ORANGE AL -FROM 110 ORANGE WEST
AND NORTH TO E CHAPEL HILL

1

ORANGE ST FROM 100 W PARRISH TO E
CHAPEL HILL

---ZIP CODE 27707
---ORANGE AL BEGINS
102 VACANT
108 GLADSTEIN'S (REAR)
111 CROFT BUSINESS COLLEGE
682-9241
TAYLOR NANCY MODELING STUDIOS
682-9242
KELLY SERVICE OFC PERSONNEL
SERV 688-8207
REAR PEOPLES
113 CROFT BUSINESS COLLEGE
(OVERFLO)
114 FERRELL WATCH HOSPITAL
688-1561
116 VACANT
121 CHRISTIAN HARWARD FURNITURE CO
INC (WHSE)
123 ALLENTON CO THE REAL EST
688-3905
ALLENTON REALTY & INSURANCE CO
INC 688-4355
WRIGHT REAL ESTATE CO 688-3905
---CHAPEL HILL INTERSECTS

39

OREGON ST -FROM MULBERRY ST SOUTH

---ZIP CODE 27705

23

---ERWIN RD INTERSECTS
205 ALLEN RUBY K MRS 286-0395
209 LEE RICHD C
211 CALDWELL TOM R 286-6476
220 VACANT
222 VACANT
223 WOODSIDE DENIMAL F 286-8701
225 WALKER CECIL L
---PACE INTERSECTS
303 VACANT
305 HAYES RILEY
306 CRIBB DAVIS S
308 LASSITER LONNIE T
309 CRIBB JOHN W 286-8149
310 BOOTH BETTY D
311 COX GEO D JR 286-8148
---BYNUM BEGINS
401 WINDOM JAMES A 286-9453
406 GRANT DONALD K
502 METHODIST CENTER AT DUKE
UNIVERSITY 286-9230
---VANCE BEGINS
---CAMPUS DR INTERSECTS
---DUKE UNIVERSITY RD INTERSECTS

7

ORIENT ST -FROM 701 W TRINITY AV
NORTH

---ZIP CODE 27701
906 PENDERGRAST M ELWOOD ●
682-5114
907 HUNT CLAUDE E ●
910 NANCE ROBT L REV ● 682-5159
913 MANGUM MAYONIE M MRS ●
688-1185
914 COCKRELL JACK C 688-4453
915 MANNESS GEO W 688-1875
918 TILLEY NOLINE N MRS ● 688-4404
919 SHROPSHIRE H LONNIE ●
920 DRAUGHAN CHARLES B ● 682-5278
921 OLDHAM HERBERT W ● 688-3644
A MASHBURN EVA M MRS
922 EREXSON CARRIE L MRS ●
923 MC CRAY IRENE W MRS 688-7286
WATKINS EUG
925 MILLER RUBY M MRS 688-3241
6925 MILLER SHIRLEY A SLS GIRL
926 PENINGER DAVID J JR ● 682-2684
928 WILLIAMS HORACE L HUCKSTER ●
682-7236
929 PENDERGRAST ERNEST E ●
682-2381
932 THOMAS LUTHER M ● 682-5149
---N & W CROSSES
---DACIAN AV INTERSECTS

49

ORIOLE DR -FROM 3918 HOPE VALLEY
RD EAST

---ZIP CODE 27707
2316 PROKOP BETTE A MRS
2319 JOHNSON HENRY L JR ● 489-9520
2320 CRUSE CHARLES L ● 489-2870
2323 FORBES ELRED W
2327 DENT R W ● 489-9737

39

OSCAR ST -FROM DOWNING ST WEST, 1
SOUTH OF PETTIGREW ST

---ZIP CODE 27705

18

OTIS ST -FROM 300 FORMOSA AV
SOUTHWEST, 2 WEST OF
FAYETTEVILLE

---ZIP CODE 27707
2000 ADAMS DAISY C MRS MRS ●
2002 LUCAS HERMAN T ● 688-1212
2003 WHEELER MARGT H MRS ●
682-3029
2004 MARTIN THEOLA G MRS ●
682-2912
2005 DAVIS ROXIE MRS ● 682-1810
2008 FOREMAN RONALD C ● 682-4566
2010 RIDDICK HERMAN H ● 682-3185
2011 COOK W LIONEL ● 682-2062
2012 PERRY ROBT C W ● 682-2644
---PEKOE AV INTERSECTS
2100 SLOAN MACEO A ● 682-6000
2104 BRIGHT FRANK ● 682-8215
2109 RUSS CHARLIE MRS ●
2111 BARNES JOSEPH A ● 682-3446
2112 LAWSON ANDREW W REV ●
682-2065
2114 SPEIGNER THEO R REV ●
682-2433
2117 JONES ROY 682-5004
---NELSON BEGINS
2201 PAYNE JOHN E MRS ● 682-2645
2205 SIMON DALLAS S 682-6012
2207A KIRK ZEDA B MRS ● 682-2473
2207B OWENS RALPH

314 KIMBRELL HELEN W MRS ●
688-2883
315 EDEN APARTMENTS
1 VACANT
2 SMITH FRANCES S MRS
3 GIBSON VERA S 682-6727
4 LINGLE ETHEL F MRS 682-6445
5 VACANT

1A HORN WM A 682-0076
2A KRONBERG CHARLES L 682-8549
3A MORGAN BARBARA L 682-7222
4A VACANT
5A PREICHLER W S 682-4878
6A KRYNSKI STEPHANIA
7A MOSS JANET R 682-7940
8A STANCIK ROBT 682-1066

1014 SHAW FOY J ● 688-2264
1015 SNIDOW MARCUS R 682-2000
1017 VACANT
1019 BRADSHER S M INC GENL CONTRS
688-6391
BRADSHER S MERRITT ● 684-0105
1020 SLOAN GERTRUDE H MRS ●
682-2609

RD.

1 HOWARD JOSEPH L 682-1851
2 VACANT
3 CROSSMAN RALPH 682-6588
4 MC KEE MAE E MRS 682-4715
5 VACANT
6 NO RETURN
7 SELFUDGE IVEY B MRS 682-1012
8 CHURCHILL LYDIA M MRS

6B JACKSON WALLACE E JR
688-4855
7B RUDDER MICHL H 682-2321
8B SUSHEL DENISE W 682-6349
9B BECK JOHN R III 682-7333
10B CARTER ALAN B 682-8405
4C VACANT
913A GOODWIN W JOSEPHINE

688-4884
---BUCHANAN BLVD INTERSECTS

24

TROY ST -FROM 1810 BOWEN
SOUTHWEST, 2 WEST OF RESERVOIR

---FOSTER INTERSECTS
---WASHINGTON INTERSECTS
---ORIENT BEGINS

25

---N&W CROSSES
701 WOOD'S HOUSE APTS 688-3245
RICE NANCY W MRS ● 688-3245

6 GONZALES KATHLEEN 688-2294
7 O'BRIANT N D 688-4636
8 COOPER GEO L MRS 688-1946
9 CHRISTMAS JOHN
10 CASH GANNELLE F
11 HARTSELL GLADYS MRS
12 BARBEE EMMA D MRS 682-3287
14 DAVIS JEFFREY W

LANER HATTIE H MRS 596-2363
613 FLOWERS FRANK
614 THOMAS PAUL A ● 596-2367
615 MC KINNON JAMES A REV ●
596-6014
618 BAINES JAMES R ● 596-6396
619 SNIPES LEON ● 596-6023

2 CARROLL PAT 688-7832
3 VACANT
4 WOMBLE ELLEN M 688-7706
5 LANG STEPH N 682-2040
6 ROBINSON G N 682-4938
7 VANBRUGGEN JOHN B 682-8753
8 BRESSLER RICHD E 682-5946

3 BENNETT JEWEL N 682-3980
4 FULLBRIGHT LESSIE F MRS
682-7813
920 APARTMENTS
1 CROW GRACE 682-9040
2 WARREN W F 688-3630
3 MORRIS ELIZ

650 CAPERS ARTH ● 596-7186
654 MC CLAIN BELTON ● 596-6998
658 ELLIOTT JAMES M ● 596-7481
662 DAVIS ROBT L ● 596-5308
666 YANCEY FRANK ● 596-3796
670 WHITE JERRY L ● 596-3745

---

19 DURHAM W H 688-1748
21 HOLSHOUSER VIRGIL A
682-9015
906 TRINITY APARTMENTS
1 SPARROW NELLIE C MRS
688-2471
2 HART JOSEPHINE C MRS

CHURCH 682-3865
TRINITY AVENUE NURSERY &
KINDERGARTEN
---GREGSON INTERSECTS
1001 DUNN JOSEPH J ● 682-2579
1002 LEWIS MALCOLM ● 682-1657
1003 NO RETURN

311 SMITH CECIL E ● 596-6514

46

TRYON DR -FROM RIGSBEE RD EAST, 1
SOUTH OF CORNWALLIS RD

ONE 383

10 TAYLOR LELA MRS 688-7667

1009 NOEL WM W ● 682-2125

2437 RECKLESS JOHN B 489-3018

Details For:	Year	Source	TP	Adjoining
TRINITY AVE W	1969	HILL DIRECTORY COMPANY	X	X

2101½ MORRIS DOROTHY E MRS
2103 ROBERTS BEULAH P MRS 489-6951
2103½ JOSSAN CHARAN J S 489-7510
2104 TEAGUE ERNEST J • 489-9430
2106 BARNES JAMES C • 489-2880

45

---CHAPEL HILL RD INTERSECTS

935 VACANT
937 PINE STATE ELECTRIC SUPPLY CO
INC 682-9258
944 DAIRY FARM STORE NO 1 DAIRY
PRODUCTS 682-1753
WASHINGTON STREET CAR WASH
948 BRAME SPECIALTY CO (WHSE)
949 BRAME SPECIALTY CO INC WHOL

PICKETT RENA M MRS • 682-7039
POPE CHRISTINE MRS •
COPE JAMES
1911 CLEMENTS E PATE • 682-8482
1928 PREWETTE LOUIS D • 682-4241
1929 WATSON HUBERT O • 682-6021
1931 CAMPBELL BENJ L • 782-7437
1933 VAUGHN ELBERT H • 682-3148

37

WARNER ST -FROM 2700 W MAIN NORTH,
1 WEST OF 15TH

---ZIP CODE 27705
706 MOON ERNEST C 286-5402
708 VACANT

---MARKHAM AV INTERSECTS
1110 RUSS FREDK E 688-2224
1117 NEW EMMA H MRS 286-1150
1205 ROSE WINIFIELD H 688-3135
1207 TAYLOR LAWRENCE A 688-3049
1209 DIXON RICHD H 688-4273
1210 UMSTEAD WM V 688-4959

---MORGAN INTERSECTS
110 RUTLEDGE NINA S MRS • 682-2757
114 FRICK HARVEY 682-5020
115 COFFIN EDWIN W • 688-1983
---LAMOND AV ENDS
201 VACANT
202 MEACHAM EDITH E • 682-0768

13

WARREN ST -FROM 200 JACKSON
SOUTHWEST

---ZIP CODE 27701
524 VACANT

---EVERETT PL INTERSECTS
1501 WILSON JAMES S • 682-1756
1502 PERRY THOS O • 682-2836
1507 WOLFF NATHAN • 682-5914

41

---CLUB BLVD INTERSECTS

207 KNIGHT DOUGLAS • 688-3405
208 TAVERNISE PIETRO 682-1947
PARKER EVA H MRS NURSE
688-3962
209 APARTMENTS
1 PAGE INEZ H • 682-5065
2 MURDOCK J A 682-0920

---ZIP CODE 27701
---CORPORATION ENDS
---LAMOND AV BEGINS
---MORRIS ENDS
501 CITY GARAGE 688-4190
---W GEER ENDS

1925 SPARLING RUSSELL P 477-6072
---GLENDALE AV INTERSECTS
2000 BRASWELL LUTHER E • 477-5603
2005 ELLIS BENNIE J • 477-3704
2007 UTLEY ARNOLD V 477-8708
2009 DAY JOHN C • 477-5846
---COLGATE INTERSECTS

210D PHILLIPS MARY E MRS
212 WHITE JULIA F • 682-1771
213 PETERSON RUTH D MRS 682-0657
---GLORIA AV INTERSECTS
301 HARRIS MYRTLE V MRS • 682-5162
302 HARPER LEON 682-6644
303 HALL MARGARET F MRS • 688-1866

715 JACKSON'S AUTOMOTIVE SERVICE
688-2059
732 RILEY PAINT CO AND WAREHOUSE
INC 688-1315
812 MODEL LAUNDRY OF DURHAM INC
CLN DEPT 688-2277
---W TRINITY AV INTERSECTS

49

WATEREDGE DR -FROM DEEPWOOD CIR
EAST AND WEST

---ZIP CODE 27707
3606 THOMPSON LAWRENCE K III •
489-5537

A SUITT VOLNAR R
B HUNDLEY ALICE C 682-4221
BRIENT BRUCE W 682-3454
D SMITH WAYNE
310 WATKINS LETTIE M MRS •
689-2239
311 RAND FANNIE P MRS • 688-2424
312 CRANFORD ROSA D MRS MFRS AGT •

919 MITCHELL EVERETT G • 682-7320

---MORGAN INTERSECTS

406 CARTER ERNEST P 682-5367

QUALITY CLEANING
SCOTT and ROBERTS Inc.
DURHAM'S FOREMOST CLEANERS
733 Foster St. (27701) Tel. 682-9325

S DRIVER ST—Contd
312 Polyknits Unlimited 596-0721
314 Scott & Roberts Inc dry clns 596-4387
316 Vacant
318 Knight Electric Co 596-8014
Knight Associates elec contrs 596-5947

26

ANGIER AV INTERSECTS
400 Shoe Barn The 596-6469
1★Perry Elijah 596-8080
404½ Lynn Thurmon
406 Vacant
408 Blalock Lois C 596-4834
410 Wood Shop The 596-5436
414 Crawford Douglas E ◎ 596-6948
417 Rigsbee S Gilford ◎ 596-6874
420 Vacant
423★Peace Clements
424 Vacant
428★Moses Willie C 596-2019
429 Mathes John F ◎ 596-6977
430 Reams Bennie 596-7334
434 Averett Loyd W ◎ 596-6706
Lane Minnie B Mrs 596-2238
448 Carmacic Chris
450 Vacant
451 Garland Woodcraft Co Inc millwork 596-8236
452★Weathers Joe L 596-2883
456 Jay Hosiery Mills Inc 596-6030
460 Vacant
462 Vacant
463 J W Distributors
PEABODY INTERSECTS
SCL RR CROSSES
SOUTHERN RY CROSSES
PETTIGREW INTERSECTS

49

DRUID PL —FROM NORTH END OF COURTLAND DR WEST

ZIP CODE 27707
1 Shuler Arthur L ◎ 489-0639
2 Harris John M Jr ◎
4★Barnes Nathaniel A ◎
5★Burwell Jesse ◎ 493-2613
8 Edwards Freddie J ◎
9 Bowser Joe W ◎ 493-1229
10 Ali Munir 489-7792
11 Clemons Michl B ◎ 489-4850
12 Singletary James B ◎ 489-1653

50

DRYDEN LA (PARKWOOD)—FROM 5215 NEWHALL RD EAST 1 SOUTH OF CLERMONT DR

ZIP CODE 27713
100★Feiner Ruth 544-5231
101 Stern Geo R ◎ 544-2875
104 Sorrentino Philip J ◎ 544-1848
105 Blake Wm L ◎ 544-2304
108 Bonti Arth P ◎ 544-1603
109 Gregory Richd G ◎ 544-1042
111 Ottarski Anthony ◎ 544-1005

24

DUANE ST —FROM 2902 E PETTIGREW SOUTH 1 WEST OF ELLIS RD

ZIP CODE 27703
101 Garrett John ◎ 596-3547
102 Tate Dora ◎ 596-2277
108★Summers Charles ◎

55

DUBARRY CT —FROM ROXBORO RD

ZIP CODE 27705
7 Ruffin Randy 383-6480
10 Clark James H ◎ 383-2219
11 Hagaman John R ◎ 383-7837
14 Molbert John L ◎ 383-7090
17 Shipp Nathan W ◎ 383-1162
18 Harle Danl E ◎ 383-6917
19 Trivedi Kishor S ◎ 383-6394

238

DUBLIN ST S —FROM E CLUB BLVD SOUTH

ZIP CODE 27704
2803★Carrington James ◎
2806 Carr Marggie G 682-8702
2807 Mayshock Robt J 688-0845
2809★Thompson P
2811 Walker Charles E 682-2967
2812 Gravitte Monty ◎
2817 Perry Will J ◎ 688-9188
2820 Newton Paul A ◎ 688-6141
2823 Walker James ◎ 688-4513

138

DUBONNET PL —FROM BLUEFIELD ST SOUTH 1 NORTH OF CLUB BLVD

ZIP CODE 27704
1 Owens Mary A
3 Lawson Jessie L 477-3314
4 Sells Mattie L
6 Stepheson Algen 471-6396
7 Cox Bobbie L
8 Hunter Allie Mae 471-3616
10 Bellamy Ester M
11 Whitted Phyllis
12 Ware Mary L 477-2324
14 Robinson Clara I
16 Burton Norma J
17 Ettson Carrie W Mrs
18 Utley Patricia 471-8661
19 Evans Margie L 471-6015
20 Hackney Essie
21 No Return
22 Brandon Roena E 477-3688

144

DUDLEY CIR —FROM HOLLOMAN ST NORTH IN A CIR 1 EAST OF GLENCO RD

ZIP CODE 27703
5 Leonard Barry ◎
7 Inscoe Kenneth R ◎ 596-1694
10 Lee Russell ◎ 596-4127
18 Horne Danny ◎
22 Rigsbee Ronald W ◎ 596-1403
29 Harding
35 Manire Geo L ◎
38 Strickland J R ◎
39 Pearce Scott D ◎
42 Ragan Walter L ◎ 596-8619
59★Taylor Wm R ◎ 596-2600
63 Moore Richd V ◎ 596-5915
67★Flynn Tommy ◎
68★Phipps R E ◎ 596-4450
71★Ennis Kaye B ◎
72 Phipps Raymond E ◎ 596-0964

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DUKE LA (BRAGTOWN)—FROM BELVIN NORTH

ZIP CODE 27704
3306 Smith Horace ◎ 471-2354
3310 Davis James M ◎ 477-8512
3500 Lynch David E ◎ 477-4196
3510 Crutchfield Odell T
3512 Perry Leennie 471-2223
3520★Milan Billy J
3522★Lyons Mary F 471-1313
3524 Williams Pecolila S
3526 Pierce N Evelyn
3528 Chavis Shirley Mrs
3530 Hill Ruth A
3906 Apartments
1 Saunders Robt G 471-3231
2 Reams Cammie W 477-1006
3 Liles Beatie B 477-1385
4 Royster Luvenia 477-7008
5 Walker Wilma R
6 Adam Cindy K 477-1322
7 Jones Eva E
8★Howard Kelvin 471-3231
9 Williams Lisa
3622 Apartments
1★Perry Ann
2 Vacant
3 Taborn Celia L
4 Vacant
5 Vacant
6 Vacant
7 Green Wm E 477-5896
8 Burton Geo W 471-2009
9 Lyons Minnie M
10 Gaddy Sam J Rev 477-9144
11 Eubanks Jesse 477-6837
12 Powell Stanley R
13 Spencer Marsha F 471-6206
14 Vacant
15 Barr Evelyn
16 Richardson Margt E 471-3822
17 Bailey Carol 471-3903
18 Vacant
3700 Reagan Edw F ◎ 477-8746
4000 Bass James L ◎
4406 Bass Martin E ◎ 477-1091

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DUKE ST N —FROM 800 W MAIN NORTH 1 EAST OF GREGSON

ZIP CODE 27701
111 Autocool auto repr 682-4801
115 Brunson's Stereo-T V (Serv Dept)
121 Mathes J M Co Of Durham whol candy-tob 682-0331
MORGAN INTERSECTS
FERNWAY AV INTERSECTS
LAMOND AV INTERSECTS
400 Durham High School 683-5561
MINERVA AV INTERSECTS

25

TRINITY INTERSECTS
233 Liesch Herman R 683-2873
711 Seven Eleven Apartments 682-6629
1 Jackson Barbara J 682-8334
2★Perry Gregory B 688-6224
3 Johnson Alvin G 682-3154
4 Coley Evelyn L
5★Noto Lee E 688-1885
6 Bratcher Geo
7★Edwards Bernita 683-8475
8 Bailey Johnnie
9★Cherry Phoebe 682-2688

COLFAX Furniture STORES
OPEN DAILY MONDAY THROUGH SATURDAY · DELIVERY AND FINANCING ARRANGED
HILLSBOROUGH STORE · PHONE [illegible] · DURHAM DIRECT LINE [illegible]
[illegible] MILES FROM DURHAM ON HIGHWAY [illegible] IN HILLSBOROUGH
DURHAM STORE · PHONE [illegible] · [illegible] HWY [illegible] EAST AND PLEASANT DRIVE

Details For:	Year	Source	TP	Adjoining
DUKE ST N	1983	R. L. Polk Co.	-	X

Vaughan Electric Co., Inc.
SAM D. VAUGHAN, JR. President
Commercial • Industrial • Residential Wiring
SAM "CHIP" VAUGHAN, III Vice President
3007 Wake Forest Hwy. P.O. Box 11677 Durham, N.C. (27703) Tel. 919-596-1327

N DUKE ST—Contd
10 Hunt Pamela E 688-0550
11★Howell Marie 688-3963
12 Brokenbrough Joan
712 Bordeaux Marvin W ◎ 682-1023
714 Gillis Donald 683-1961
MONMOUTH AV INTERSECTS
801 O'Briant Rex C ◎ 682-1021
802 Nobs Susan 688-8512
803 Dunn Jack B ◎ 682-1849
805 Senter Nora R Mrs ◎ 682-7869
807 Autry Marie B Mrs ◎ 682-6097
Lowe Major 682-8995
Gattis Ervin J 688-4216
Stafford J D 688-6192
809 Moseley Iona H Mrs ◎ 682-1679
810 Eight-Ten Apartments The 682-6629
1 Godfrey Claude 682-8940
2 Rutledge Louis B
3 Brown James
4 Canady Helene 682-8687
5★Cunningham Thos 688-3408
6 Baker Dorothy Mrs
7 Davie Willard L 682-8902
8 Edemobi John 682-0718
9★Hoefler Carol A 688-3791
10 Harris B Darryl 688-2600
11 Murphey Ron
12★Seitzer J E 688-8655
12a★Norton A M 682-4397
14★Coyne M J 688-3791
15 Beaver Annie M 682-0579
16 Gooch Susan
17 Brown Betty E Mrs 688-5813
18 Horwitz Maurice 688-7682
19 Little Alice 682-7263
20★Leiser Jeffrey 682-4014
21★Kasbekar Umesh 682-8340
22 Obriant Barbara 682-0852
23★Johnson Bernard N 682-8469
24 Carroll Robt
811 Apartments
1 Kidwell Herbert C
2★Forte L 688-9172
3 Parnell Margt 688-0138
4 Mcdonald Kath C
DACIAN AV INTERSECTS
903 Jack William E ◎ 682-8853
URBAN AV INTERSECTS
1000 Georgetown Manor Apartments (Allenton Rlty & Ins)
1 Slaughter James T 682-3418
2 Richardson Jeanette H Mrs 682-3955
3 Johnson Vennie D 682-4129
4★Miles Garland 688-3580
5 Denson James A 688-6437
6 Collins Thelma 682-7326
7 Jenkins Randall
8 Swain Jessie III 682-8706
9 Jenkins Connie
10 Wynn Claudette
11 Lee Larry
12 Mc Dowell Douglas 682-1218
13 Spikes Phyllis K 683-5597
14 Jacobs Henry Jr 682-1057
15 Hubbard B S 682-2497
16★Munn Teresa 682-4089
17 Abd-Shakur Amad 682-6045
18 Richardson Pat 688-1648
19★Reddick Regina 688-9558
20 Andre James 688-9439
21 Royal Effie
22 Edgar John R 688-1616
24 No Return
25 Bailey Edw H
26 Tornquist Eliz 688-5035
27 Ingram Paulette B Mrs
28 Miles Thos 688-3580
29★James Andre 688-9439
30 Hubbard G L
31 Howard J
31 Hutchins R
32 Singletary Mary L 688-4543
33 Wright Wienton
33★Karakepelis Geo 682-2393
34 Jarman Mary 682-4462
35★Kithcart Thelma D 688-7686
35 Cherry Sandra S 688-9078
36★Robinson Valencia 682-8706
37 Meeks Barbara H Mrs
38★Hutchings Roger W 682-8514
39★Thomas Michl E 682-1005
40 Fitts David
41 Umstead Norman T
42 Lee Gloria L 682-3604
Washington-Spruill Vincent 682-7586
44 Haynie Bobby W
45★Collins Donald G 682-8454
46★Heinsohn Paul T 682-3538
47 Vacant
48 Jones Betty
49 Bryant Gaynell D 682-1393
50 Lyons Paul
1005 Stallings Frank O ◎ 682-7713
1007 Copley Pender ◎ 682-7633
1008 Werner Geraldine W Mrs ◎ 682-7022
1010 Dameron Virginia E ◎ 682-7332
1012 No Return

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MARKHAM AV INTERSECTS
1101★House Oscar 683-1063
1102★Sherman Paul
1103 Wintermute Orval S ◎ 682-8413
1105 No Return
1106 No Return
1107 Sherman Howard L ◎ 682-4834
1108 Harton Frances M ◎ 682-5221
1109 Vacant
1111★Dahl Carol
1112 Regensberg Lisa M ◎
1113★Toher Thomas 688-0388
1116a Eubanks Ruie Jr 688-4456
1116b Vacant
1118 Vacant
GREEN INTERSECTS
1200 Dickerson Ernest J Jr ◎ 682-3516
1201 Evans W Ralph ◎ 682-7227
1202 Vacant
1203 No Return
1204 Gowan Freda S Mrs
1205 West Marie L ◎ 688-0216
1206 Wingfield Wm E 688-6055
1207 Wong Kwok-Man M 682-8742
1208 Mc Craw Beverly L 683-1027
1209 Penland Anne R Mrs ◎ 682-7834
DEMERIUS INTERSECTS
1302 Hughey David D III 682-9459
1304 Johnson Marvin G ◎ 682-7522
1306 Marr Kay Mrs ◎ 682-7517
1307a Cole Jeanette M 682-4641
1307b Torrence M Elenora 682-7611
1308 Haswell Mary N Mrs ◎ 682-7631
1309 Campbell Tom H ◎ 682-4138
1311 Seidler Frederic J 688-3333
KNOX INTERSECTS
1400 Vacant
1401 No Return
1403 Shaw Frank H 688-3813
1404 Westbrook Robt N ◎ 688-0544
1405 Hill Esther D Mrs ◎ 682-7874
1406★Beavers Rosa ◎ 682-0719
1407 Satterfield Barbara C Mrs ◎ 688-1660
1409 Lumley G Barry 682-4757
1410 Porter Pauline B Mrs ◎ 682-7682
1411 Garrard Annie W ◎ 688-8587
1412 No Return
1413 Letzing Joseph A ◎ 682-8788
1415 Montague Kathryn L ◎ 682-6267
1416 Mozena Barbara L
1417 Tunstall Wm M Jr ◎ 682-6875
1419 Pulley Bradley L 688-3610
1421 Rainwater Sandra Z ◎ 683-1146
1422 No Return
1423 Mousmoules Estelle ◎ 682-8835
ENGLEWOOD AV ENDS
1501 Goodwin Sherron D 688-0534
1502 Harris Margt T Mrs ◎ 682-7987
1504 King Carlyle H ◎ 682-5912
1505 Evans Hazel G Mrs ◎
1506 Primakoff Mike A ◎ 682-9065
1507 Carlton H Wade ◎ 682-8015
1509★Holcombe Dura P 682-3769
1510★Bayioles John
1511 Holmes Ellison R ◎ 688-6058
1512 Yearby Norman L ◎ 682-9524
1514 Fotou Dena Mrs ◎ 688-8969
1515★Moore Dennis ◎ 688-9524
1516 Mc Cauley Viola H Mrs ◎ 682-4128
1517 Dackis Leah Mrs ◎ 682-6771
1518 Harris Mabel R Mrs ◎ 682-5800
1521 Holloway Agnes S ◎ 682-9477
CLUB BLVD INTERSECTS
1607a Proctor Maude W 688-4125
1607b★Wilson Louise
1608 Calvary Free Will Baptist Church (Social Bldg)
1609 Vacant
1609½ Vacant
1610 Wrenn Laura T Mrs ◎ 688-1498
1612 Hedgepeth W L Mrs 688-1204
1613 Thompson Ronald 682-6634
1614 Vacant
1615 Newcomb Larry S Rev 688-7271
1617 Vacant
1618a★Collins Steve 682-4800
1618b High Rebecca L 682-4800
1619 Tilley Robt B ◎ 688-0483
1620 Sims Barbara L ◎ 683-8304
1621 Carneval James V
1622 Jackson Delton 682-6971
1624★Moize Koma H Mrs 688-1744
★Rodgers Barbara 682-4457

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ZIP CODE 27704
RUBY INTERSECTS
2000 Mitchell Walker D Jr ◎ 477-7785
2001 Vaughan Newman 477-5865
2002 Parrish Marie C Mrs ◎ 477-6938
2003 Smith Robt C ◎ 471-3765
2005 Dombrowski Stanley ◎ 477-7710
2006★Lee Virginia Mrs ◎ 477-7976
2007 Daniels Cecil B ◎ 477-1480
2008 O'Briant Burton N ◎ 477-4183
2009 Williams Allen R ◎ 471-6211
2010 Thompson Phyllis B Mrs ◎ 477-7819
2011 Johnson Rachel C Mrs ◎ 477-5643
2012 Greene Philip M ◎ 477-5587
2016★Thomas Lawrence
HUDSON INTERSECTS
2100 Palmer Jack W ◎ 477-7223
2104 Harwood Landon D ◎ 477-5743
2106 Clark Jas C ◎ 477-7837
2108 Blackwelder Walter G ◎ 477-8394
2109 Christ Lutheran Church 477-7600
2110 Carrington Ralph D ◎ 477-8872
2112★Alexander Robin
LEON INTERSECTS

41

HILLCREST CONVALESCENT CENTER, Inc.
MEDICARE APPROVED — SKILLED NURSING CARE
A COMPLETE REHABILITATION PROGRAM
1417 W. Pettigrew St. and Swift Av. P.O. Box 2816 (27705) Tel. 286-7705

Details For:	Year	Source	TP	Adjoining
DUKE/MONMOUTH AV	1983	R. L. Polk Co.	-	X

E GEER ST—Contd
1907 Hockett Marvin O ◎ 688-4893
1911 Vacant
1912 Teasley Arth W ◎ 688-3596
1915 Durham Thos ◎ 688-3784
1922 Vacant
1933 Gene's Welding Service 688-7081
Bowlin Eug 688-7081
Olsen Cheryl
1936 Vacant
1942 Weaver Joe C 688-6287
MILAN AV BEGINS
2125 Bible Baptist Church 688-2832
2127 Bible Baptist Church (Annex)
2131 Dement Donnie ◎ 688-3974
2133 Vacant
2141 Vacant
Carolina Jeans 682-0809
2142 Rich Cliff Tower Service steeple jacks 688-2087
Richcraft Studio's ceramics 688-2087
Mary's Home Of Museum dolls 688-2087
FERRELL RD BEGINS
CLUB BLVD BEGINS
2201 Hancock's General Store mdse 688-1938
2202 Suggs Place gros 682-2944
2237 Copley T L 688-4912
2240 No Return
JUNCTION RD BEGINS
GLENN SCH RD BEGINS
2402 Faircloth Claybourn ◎ 688-0209
2408 Cameron Lillian 688-5673
2410 Mc Ghee Carl T 688-0812
2415 Glen Elementary School 688-5567
2420 Mangum Joel H ◎ 682-9005
2422 No Return
2423 Carter Morris B ◎ 688-1438
2425 Carter Geo T 688-9426
2428 Mullen Vesta 688-3167
2431 Mitchell Ralph O 682-5917
2436 No Return
2504 Fogleman Grace Mrs ◎ 688-5929
2508 Glenn Louise O 688-7973
2511 Thompson Esther B ◎ 688-3964
2513★Andrews David W ◎ 688-1870
2514 Mark's Auto Service
2517 Hunt Lillian C Mrs ◎ 682-9080
2522 Bass Pearly 682-0536
BECK RD BEGINS
2601 No Return
★Conklin B L 682-8769
2602 Bullock Annie T Mrs ◎ 688-3295
2603 Mikels G T Jr 688-7750
2605 Downing Annie L 682-8820
2606★Jeffries Roger W ◎ 688-0130
2607 Conklin Kathleen
2609 Ray Herbert O ◎ 688-2987
2610 Wright Charles W 688-0428
2614★Keith C E 688-9304
2619 Michael Charles
2620 Carden Tommy ◎ 682-3044
2624 No Return
2625 Stansbury Chas P ◎ 682-5983
Brighter Side Coffeehouse The 682-1047
2637 Fogleman Bernice W ◎ 682-6252
2639 Brewer Myrtle S ◎ 688-2526
2710 Garner Tommy E ◎ 688-0387
2711 Johnson Otis A Jr ◎ 688-4913
2714 Dellonbach Margt F ◎ 682-2613
2715★Porter Greg
2716 Green Excell P ◎ 688-4956
2717 Adams Frank
2718 Dean Wm T
2721 Vacant
2721½★Glenn Jim
2722 Vacant
2725 Mobile Acres trailer park 688-5634
Lots
1 Barnes Timothy C
2 Snipes Annie ◎ 688-5634
3 Vacant
4 Morris Verda ◎ 682-1639
5 Thomas Johnsie ◎ 688-3359
6 Lane Mildred ◎
7 Dameron Rosa ◎ 688-1035
8 Strickland Leon H ◎ 682-7057
9 Rhew Mary ◎ 682-6579
10 Willis Kitty B Mrs ◎ 688-4570
11 Atkins Tim ◎
12 Williams Ronnie ◎
13 Wilkins Melissa ◎
14 James Alton H ◎ 682-4964
15 Gentry Margt 688-5944
16 Stephens Mary 688-6824
17 Latta L B Jr ◎ 682-7107
18 Suggs Willard L Jr ◎ 688-2766
19 Ragan B E ◎ 682-0021
20 Cooley Otha C Jr ◎ 688-6890
21 Duke Janie P ◎ 688-6673
22 Clayton Carolyn ◎ 682-5319
23 Walton Patricia ◎ 682-7581
23 Walton Viola ◎
24 Bullock Robt ◎ 683-8533
25 Hardin Daryl L ◎ 688-4061
26★Beasley A J
27 Murphrey Elbert ◎ 688-7766
28 Winston Mattie C Mrs ◎ 688-7539
29 Wheeler Don S ◎ 682-0540
30★Pogona Evelyn
31 Clements Grace Mrs ◎ 688-7524
32 Beeson Virgie L ◎ 688-7102
33 Ross Walter ◎
34★Dupree Clarence ◎
36 Vacant
35 Vacant
37★Tilley Brenda ◎
38★Schrimsher John
39 Paschall Louise
40 Fullerton Donna ◎
41★Parrish Ronnie ◎
2805 Brinkley W T ◎ 688-4013
2906 N & J Supply Co Inc 683-8377
2807 Strange R T ◎ 688-6088
2809 Carter Saml A ◎ 688-6016
2809½ Carter Rachel ◎ 688-1948
2810 Broome J W
2815 Burgess Gilbert S ◎ 688-3732
2816 Walker Mike R ◎ 688-7746
2821 Summerlin Richd B ◎ 682-0068
2820 Lynch Betty S Mrs 688-2179
2824★Smith Brian D
2900★Blackburns Douglas 682-8366
SUMMERLIN RD BEGINS
2910 Edie's Antiques 682-4904
2914 Allen's Roofing Co 688-0143
2915 Woodlief Robt P ◎ 682-8789
2917 Suitt Roland 688-1588
2918 Arnold Lona M Mrs ◎ 688-6790
2919 Shankle H D ◎
2921 Harris Tom H ◎ 682-4472
2922 Taylor John
2924 Switzer Glenn R ◎ 688-9205
2926 Pennell Phillip L ◎ 688-5386
2930 Pate Willis W ◎ 688-6260
BULLOCK DR BEGINS

7

GEER ST W —FROM 900 N MANGUM WEST

ZIP CODE 27701
106 Davis Angelia 688-1912
107 Peterson Lucille
108 Caeser Hattie M ◎ 688-7801
109 Walker Alease D Mrs 682-2040
110 Price Eddie 688-8316
111★Williams Barbara H
113 Umstead James D 683-2058
GLENDALE AV INTERSECTS
201 Apartments
1 Vacant
2 Watkins Kenny
3 Benjamin Eliz B
4 Vacant
202 Myers Lucille
204 Myers Ethel B 688-5718
206★Johnson Phyllis E
207 Barbee Woodrow W ◎ 688-1170
208 Martin Leroy E ◎ 688-2726
209 Blackwell L B 682-5014
210a Benjamin Louise W
210b Williams Louis
211 Bailey John 682-8477
212a Curtis Mary F Mrs 688-6635
212b Vacant
213 Pullin Mary J 682-6669
214a Stanback Joyce A 682-8567
214b★Burnette M
215 Page Redney J 688-4688
216a Paylor Mozell 688-3171
216b★Cash M B
217 Williamsburg Apartments
1★Pittman G
2★Price Burton D 682-4104
3 Moore Charles L 688-2537
4 Wilson
5 Brown V 688-7510
6 West O L 682-6438
218a★Brown Karen 688-1906
218b Reams Zellie M Mrs 682-8626
219 Apartments
1 Clark Shirley J 688-3350
2 Williams Christine
3★Reams O'Neal
4 Currie Wanda
5★Wilkerson Ulysses
220 Faith Tabernacle 286-0235
NORTH INTERSECTS
301 Apartments
1★Riley Sara 682-4964
2 Williams Gilbert 682-7363
3 Nolan Robt
4 Atkins Rhonda
303 Apartments
1 Mc Dougal
2 Acher L
3 Wilson Theodore 688-8971
4 Cropps Geo J
305 Apartments
1 Amey Roger
2★Parks Joseph C
3 Gaines Soveia
4★Pee J
307 Apartments
1★Malone Lynn
2 Horne Willie M 683-1136
3 Edwards L 683-2026
4 Mc Kinley D
309 Apartments
1 Allen J
2★Bell De Wayne 682-4837
3★Froneberger A K
4 Milton
319 Mike's Transmission Service Inc 682-7591
321 Carolina Packers Of Durham Inc carbonated beverages 682-0329
324 Fargo-Hanna Oriental & Domestic Rugs 688-2037
326 Acme Plumbing & Heating Co Of Durham Inc 688-1348
401 Weeks Al Motors 682-1119
Weeks Auto Service Inc 688-4331
Triangle Limousine Service 688-7681
Wright D M Builders genl contr 688-7681
Autoland By Wright's Executive Sales Inc 688-7681
Wright D M Realty & Investment Co Inc 688-7681
Wright's Auto Land 688-7681
408 Hutchins Auto Supply Co Inc 682-9101
410 Blue Cross & Blue Shield Of North Carolina 489-7431
FOSTER INTERSECTS
WASHINGTON INTERSECTS
420 Vacant

217

GEORGE ST —FROM 2109 FAYETTEVILLE EAST 2 NORTH OF CECIL

ZIP CODE 27707
519 Apartments
Quick Copy Offices
521 Faculty Apartments
LINCOLN INTERSECTS

65

GEORGIA AV —FROM 2908 HILLSBOROUGH RD NORTH 1 WEST OF LAWNDALE AV

ZIP CODE 27705
ENGLEWOOD AV INTERSECTS
1105 Citrini Anthony M ◎ 286-9137
1106 Vacant
1107a Jaber Farris A Jr 286-0123
1107b Giberson Linda L 286-4540
1108 Watkins Norman E ◎ 286-1892
1109 Doerr Deborah K 286-2151
★Watley Jim
1111★Rogers Chas 286-2569
Brooks Eric
1112 Mc Kay Ned F ◎ 286-9467

902 N. Alston Av., Durham, N.C. (27701) 312 S. Miami Blvd., P.O. Box 11618 (27703) Phone 596-6178

Details For:	Year	Source	TP	Adjoining
GEER/WASHINGTON	1983	R. L. Polk Co.	-	X

HARDEE ST—Contd
650d Foster Gerald
704 Vacant
706a Amadi Chizor C
706b Vacant
706c Ford Donnie 682-2954
706d Vacant
706e Vacant
706f Vacant
720★Poole Betty 688-4357
721 Good Samaritan Baptist Church Of Christ 688-8533
724★Landers Paul
728 Tevepaugh J Milton 682-4323
CHEEK RD INTERSECTS

40

CHEEK RD INTERSECTS
810 Ross Marvin J ◎ 688-7270
816 Long & Sons Restaurant & Refrigeration Equipment 688-3632
826 Cheek Height Baptist Church 683-1019
Bostic Joe D Rev 683-1019
903 Kar Color Inc 682-5615
921 Canada Dry Bottling Co 688-8202

7

HARGROVE ST —FROM 1000 GLENDALE AV WEST

ZIP CODE 27701
207 Hill Ann 682-7053
209 Jones Geneva Mrs 688-1042
211★Powell Robt L 682-4687
213a Taylor Jas J
213b Vacant
BAY BEGINS
214 Hester Jesse L 682-3261
215 Vacant
217 Poole R
218 Potts Sophia S Mrs ◎ 682-9097
219 Hunter Ralph R ◎ 682-6496
220 Bass Lona
NORTH INTERSECTS

24

HARNETT ST —FROM 2200 E PETTIGREW SOUTHWEST

ZIP CODE 27703
506 Williams Essie M 596-6450
507 Shaw January 596-3757
508 Anderson Bryant 596-7620
510 Shaw Sullar ◎ 596-5669
511 Shaw Sullar M ◎ 596-8077
HACKNEY BEGINS

15

HARP ST —FROM 900 FARGO WEST

ZIP CODE 27707
MATTHEWS ENDS
309 Vacant
CARRINGTON INTERSECTS

25

HARPER PL —FROM MONMOUTH NORTH 1 EAST OF N DUKE ST

ZIP CODE 27701
803 Watson Eug W ◎ 682-1670
805 No Return
807 Watson Neva C Mrs ◎ 682-0511
809 Ballou
811 Pridgen Richardson S ◎ 682-3606
813 Riechers Geo
DACIAN AV INTERSECTS

20

HARRELL AV —FROM 817 COLFAX SOUTHEAST

ZIP CODE 27701
1005 Gaines Wilhemeina
HICKORY INTERSECTS
1100 Long Lula Mrs 688-3567
Stewart Bradly
1102 Walker Minnie J Mrs ◎ 688-3860
1104 Walker Aaron J 688-4641
1106 Hollaway Everta C ◎ 682-2530
1108 Jones Jeanette
1108½ Lewis Florence M 682-8793
1109 Harris Hazel maid 682-3247

24

ALSTON AV INTERSECTS
1200 Burton Elementary School 688-3468
SOWELL ENDS

46

HARRIMAN AV —FROM RIDGE RD WEST 1 SOUTH OF GRETMAR DR

ZIP CODE 27705
2803 Brooke Harrison 489-0210
2900 Huskins Harold L ◎ 493-2306
Phillips Barbara S Mrs ◎ 493-2306
2905 Schmid Ronald ◎ 493-1517
2909 Aitken Paul W Rev ◎ 489-5491
2913 Mitchell Gary E ◎ 489-5320
HADDON RD BEGINS
3003★Howard Larry ◎
3004 Jelovsek Fredk R ◎ 493-1069
3010 Bennett Peter B ◎ 489-2898
3011 Roll R Rudolph ◎ 493-1012
3015 Roberts B W C ◎ 489-5061
3020 Farmer Joseph C Jr ◎ 489-4750

28

HART ST —FROM 200 S MAPLE EAST

ZIP CODE 27703
1901 Bailey Roy K ◎ 596-5651
1904 White Gurney P 596-2303
1905 Parker Hubert ◎ 596-1905
1906 Rhodes G Gale Mrs
1907a★Hicks Olivia C 596-0552
1907b White Evelyn 596-1268
1908★Mc Mannen Tim I 96-9846
1909 Henderson Gladys O Mrs ◎
Henderson Harold D constn wkr
1910 Lemons Bessie M 596-2352
★Parker Charles R
1912 King Opie R 596-5835
1913 Anderson Jesse L 596-4027
1914 Johnson Paul D 596-1683
1916 Champion Robert E 596-7090
1917 Boyd Nina R ◎ 596-6291
1918★Champion Lou A 596-4015
1921 Mc Clain Fletcher F ◎ 596-5895
1922 King Mary P Mrs ◎ 596-5392
2001 Shepherd Cabot C ◎ 596-6122
2002★Fox Ted
2004 Crayton Foy R ◎ 596-7845
DRIVER INTERSECTS
2105 Parker Willie R ◎ 596-5403
2106 Mc Ghee Eliz P Mrs ◎ 596-5562
2107 Crutchfield Aubrey C ◎ 596-7584
2109 Poole Annie E Mrs ◎ 596-6417
2110 Vacant
2111 Hughes Steph S ◎ 596-5550
GUTHRIE AV INTERSECTS
2212a Atkins
2212b Christian Robin C 596-7341
2214a Evans Phillip K
2214b Turner Roby K
BRIGGS AV INTERSECTS
2304 Taylor Jackie 596-5143
2306 Boykin Ann N Mrs 596-6945
2308 Bane Tasker R ◎ 596-4553
2310 Reese Joe H ◎ 596-5066
2311 May Everett M ◎ 596-6131
2400 Toole Theo H ◎
2402 Mc Kee Etta
2402½ Clayton Donnie P
2405 Richards Vicky
2405½ Melvin Sam
2406 Marrow Saml ◎ 596-5764
2407 Jones Willie L 596-1438
2408 Thomas Charles R 596-0346
2409 Gean Annie ◎ 596-6567
2411 Roghelia Joseph L ◎ 596-6145
2501 Lesniak Geo L ◎ 596-7213
2505★Johnson Jas R 596-3035
2507 Duke Saml O Jr 596-3492
2509 King Nellie B 596-6557
2511 Carden Carrie L ◎ 596-6956
2513 Seymore Clifford ◎ 596-5052
2517 Seymore Donald C ◎ 596-6308
HARVARD AV INTERSECTS

28

HARVARD AV —FROM 217 S GUTHRIE AV EAST BEY CITY LIMIT

ZIP CODE 27703

24

2206 Al's Repair Service lawn mower & appl repr 596-3990
2207 Leathers Ruth M Mrs ◎ 596-6076
2209★Cates Hazel A 598-1150
Peed Eunice D 596-7150
BRIGGS AV BEGINS
2305 Ferguson Eunice W 596-8912
Baldwin Trixie 596-3953
2307 Vacant
2308 Collins Goldie A Mrs ◎ 596-5777
2310 Dixon Burrel W ◎ 596-8704
2313 Rouse Joel K ◎ 596-5530
CODY ST BEGINS
2401 Mc Farland Lillian K ◎ 596-7363
2402 Lawrence Bobby ◎
2404 Stubblefield Claude N
2405★Freeman Bill 596-0936
2406 Johnson Lillie Mrs ◎ 596-0922
2407★Drake Sharon C
2408 O'Neal Elbert W ◎
2410 Jones Betty J 596-8057
2411 Brinkley Percy
2501 Kittrell Henry L ◎ 596-5057
TRUCE BEGINS
2505★Taylor Rufus L ◎ 596-3920
2506 Vacant
2508 Keith James C ◎
2510 Meredith Mathew 596-6589
2512 Jones Nell P Mrs ◎ 596-6409
2514★Wilson Mary B 596-6130
2606 Barham Jesse T ◎ 596-5036
2608 Stell Cleavy F ◎ 596-5349
2610 Stell Wesley J ◎ 596-7359
2612 Brown Elmer P ◎ 596-3052
2614 Williams Robt L ◎ 596-1609
2615 East Durham Recreation Center 596-2884
2616 Crutchfield Joseph H ◎ 596-3219
2618 Advent Christian Church 596-3333
2619 Griffin Robt C 596-2685
2620 Advent Christian Ch (annex) 596-3333
2621★Taylor Archie D 596-6683
2622 Bryant Henry L ◎ 596-7531
2623 Seymore Larry W ◎ 596-5060
2624 Vacant
2625★Davis Peggy J ◎
2626 Vacant
2627 Morize Lillie B Mrs ◎ 596-1868
2628 Stephenson Joseph E ◎ 596-6837
2631 Burrage H Monroe ◎ 596-2280
S BENJAMINE INTERSECTS
2701 Gray Dorothy B Mrs ◎ 596-3393
2711★Jeter Leo
2715★Mabry Ronald P 596-8476
2719a Mc Kee Donna A 596-1901
2719b Barbour Hazel W 596-4166
2720★Woodall Carolyn M
2722 Grobowski Chris
FELIX ST BEGINS
2904 Fuller Thos L ◎ 596-8347
2906 Averitt Marvin K ◎ 596-3421

45

HARVEY PL —FROM 2900 WADE RD SOUTH

ZIP CODE 27705
6 Davis James N ◎ 493-1729
14 Logua Patrick E ◎ 493-5992

49

HATHAWAY RD (HOPE VALLEY) FROM SURREY RD SOUTH 1 WEST OF HOPE VALLEY RD

ZIP CODE 27707
3601 Tyree Fred L ◎ 489-9744
3609 Powell Benj E ◎ 489-7232
3610 Murray Wm D ◎ 489-8160
3611 Watson Richd N ◎ 682-9691
3613 Lanier Verne C Jr ◎ 489-3440
3616 Lyon Robt L ◎ 489-5297
3619 Reynolds John E ◎ 489-7659
3620 Latty Elvin R ◎ 489-7231
3625★Boon Marshall M ◎ 493-7674
3626 Lontz Robt J ◎ 489-0037
3627 White Jessie T Mrs ◎ 489-8520
3628 Toms Clinton W III ◎ 489-7076
3629 Broadwell Wm J ◎ 489-7152
3630 Epperson Wm T ◎ 489-5298

Details For:	Year	Source	TP	Adjoining
HARPER PL	1983	R. L. Polk Co.	-	X

MINERAL SPRINGS RD RT 6—Contd
404 Smith Frank A ◎ 596-6023
405 Walker Roy C ◎ 596-5836
409 Moore Leon D ◎ 596-6497
505★Van Metre John W ◎
506 Rigsbee Alvis H ◎ 596-4785
507★Mc Kenna Mark M 596-0919
508 Benson C P 596-8604
600 Holder A J ◎ 596-6294
602 Bishop Richd T 596-6326
603 Hutson Brodie F ◎ 596-6633
604 Bishop Harry A 596-6326
606★Frick Carolyn 596-4753
607★Fletcher E J Mrs ◎
608 Hamilton Roy 596-0140
609★Jones Leon C ◎ 596-1933
611 Fletcher Earlie J Jr ◎ 596-8350
612★Casey A N ◎
613 Fletcher Geo E ◎ 596-8501
614 Anderson Monroe 596-4919
616 Smith James T ◎ 596-2852
617 Fletcher Eug F ◎ 596-8826
618 Yates James P ◎ 596-6807
619★Lee M B ◎ 596-3518
620 Johnson Jimmy ◎ 596-0161
621 Fletcher Linnie R Jr ◎ 596-8669
701 Allen Jesse R ◎ 596-2370
703 Sessoms Edw C ◎ 596-8953
704 Shipp Steven 596-1469
706 Brady Mozelle ◎ 596-3046
707 Moore Geo A ◎ 596-2728
710 Tice D A ◎ 596-5913
712 Vaughan Sam D ◎ 596-3283
714 Vaughan John T 596-7307
718 Cress Fred A ◎ 596-2040
806 Brigman Wm K ◎ 596-0590
810 Pendergraph T A 596-9140
814★Herron R E 596-0547
817 Turner C M 596-8916
820 Mason Mark 596-7025
823 Woodall
904 Perry Ralph C 596-4311
908 Tayler William H ◎ 596-6855
911 Carden
912 Fitch Wm E Jr ◎ 596-1454
915 Pettus Donald 596-5355
918 Glenn Bennie C ◎ 596-8876
920 Arbogast Jesse L ◎ 596-9624
924 Summerlin Clinton M ◎ 596-8702
927 Reuss Jimmy W ◎ 596-3071
930 Noles I T ◎ 596-3834
933 Adams Joseph N 596-7518
937 Lipp Michael ◎ 596-0835
1001 Creech Wm J ◎ 596-1678
BOX NUMBERS
bx460 Creech Wm L ◎ 596-3186
Laughter C 596-1730
bx462 Wright C E 596-9747
bx465 Slaughter Stanley ◎ 596-6648
bx464 Roberts E H
bx466 Johnson Paul D ◎ 596-7369
bx467 Walters Robt B 596-2723
bx468 Alwood W Austin 596-7974
bx469 Fletcher Clarence E 596-2725
bx470 Perry Rest Home No 1 596-3543
Perry Aubon P ◎ 596-3543
bx470a Mc Lamb Milton L ◎ 596-5484
bx 471 Mc Lamb Milton B ◎ 596-2710
bx472 Williams Charlie ◎ 596-5949
bx473 No Return
bx473b Smith Margie
bx473d Hinton Cleveland Jr ◎ 596-4813
bx473c Green B T ◎ 596-2841
bx475 King Thos W ◎ 596-8471
bx476 Holloway Connie C Mrs ◎ 596-5745
bx478 Justice Charles B
bx479 Hinton Cleveland T ◎ 596-2724
bx480 Meadows
bx480d Green Clarice G ◎ 596-0090
bx481 Gregory James A ◎
bx482 Capps Joseph E ◎ 596-2253
bx483 Lee Clella D Mrs ◎ 596-3518
★Lee K Gary
Clark James S ◎ 596-3684
bx484 Luquire Eug A ◎ 596-7409
bx486 Tilley J Richd ◎ 596-2254
Tilley Mary L
bx487 Carlton J W ◎ 596-3053
bx488 Greenhill Claude E ◎ 596-3777
bx490 Albright Roy L ◎ 596-5632
bx 491 Luquire David H ◎ 596-5251
bx492 Albright M L ◎ 596-4065
bx493 White Wm R ◎ 596-6741
bx494a Barnes James W ◎ 596-1069
bx494b★Evans H Wesley ◎
bx494c★Churchill S D
bx495 Vacant
bx496 Barker Lyda Y Mrs ◎ 596-5589
bx497 Mc Alexander John E 596-6531
bx499 Parking Lot

9

MINERVA AV —FROM ½ BLK EAST OF N DUKE WEST 1 NORTH OF GLORIA AV

ZIP CODE 27701
N DUKE INTERSECTS
801 Durham High School Science Bldg 683-5561
N GREGSON INTERSECTS
1002★Blue Catherine A 682-1441
1004 Mellown Elgin W Jr ◎ 682-4202
1005 Weistart John C ◎ 688-2152
1006 Judge Patk ◎ 682-3566
1007 Vanaman Linda B Mrs ◎ 682-6578
1008 Foster Arth L ◎ 688-6735
1009 Vacant
1010 Umstead Ben L ◎ 688-4003
1011 Johnson Annie B Mrs ◎ 682-4571
1012 Cox Ralph J ◎ 688-1972
1012a Marshall Betsy F Mrs
1012b Mc Cauley Betty
1014 Silver Patricia ◎ 688-2434
Goodman Sadie S ◎
1015 Vacant
1016★Caldwell Thos S 682-7797
1016½ Kammerer Leigh 682-7135
1018 Harrell E Kenneth 682-0865
1019 Vacant
1020 Woodward Eliz L ◎ 688-6727
1021 Bland The apts 682-2476
1★Hix Mary E 682-3026
3 Wilson Mary G Mrs 688-2904
4★Procter Baxter G Mrs 682-2512
1022★Becker Danl J 682-8428
1024★Chamblee Virginia 688-2804
1026 Taylor Wm M
WATTS INTERSECTS
1107 King's Daughters Home The (minerva av annex)
Burnette Lallie Mrs 682-7946
Fassett Ada 688-8368
Johnson Clara 688-7757
Pearce Helen 682-8679
Tharrington Sayde P
1108★Morgan Richd W ◎ 688-5068
1110 Upchurch Oliver W ◎ 682-1675
BUCHANAN BLVD INTERSECTS

24

MINT ST —FROM SMITH SOUTHEAST 1 SOUTHWEST OF GLENN

ZIP CODE 27701

238

MIRIAM CIR —FROM E CLUB BLVD IN SEMI CIR 1 EAST OF CITY LIMIT

ZIP CODE 27704
2411 Smith Viola E Mrs ◎ 477-0969
2413 Rogers Chas E Jr ◎ 477-6134
2415 Holloway Tempie G Mrs ◎ 477-3205
2417 Vincent Charles E ◎
2421 Green Chas 477-5210
2423 Evans Arth L ◎ 477-3396
2425 Cozart
2428 Marshall
2433 Vaughn Gregory B 471-689[illegible]
2435 Hester Gloria A ◎

34

MISSION AL —FROM 810 N MANGUM EAST

ZIP CODE 27701
KELLY AL BEGINS

40

MITCHELL ST —FROM DREW NORTH BEYOND E GEER EAST OF N&WRY

ZIP CODE 27704

14

MOBILE AV —FROM ½ BLOCK WEST OF MC COY PL EAST

ZIP CODE 27701
MC COY AL ENDS
HENRY AL ENDS
CHARLES PL BEGINS
E PROCTOR ENDS
FAYETTEVILLE INTERSECTS

18

MOLINE ST E —FROM 1500 S ROXBORO SOUTHEAST 1 SOUTH OF DUNSTAN

ZIP CODE 27707
204 Davis Gertrude T ◎ 688-1824
205 Jones Beauty Shop 682-1249
Jones Louis ◎
206 Johnson Josephine R Mrs ◎ 688-1784
207 Stroud Verly G Mrs 682-2256
208 Monroe George E ◎
209★Lawson J R 688-5106
213 Vacant
214 Hester Swanny S ◎
215 Jones Jack 682-2941
216a★Owens Harold
216b Dougless Richd
217 Tucker Margt R Mrs ◎ 688-3745
BERN INTERSECTS
301 Gibson James E 682-3097
302 Addison Charlie 688-0831
303 Spencer Michell ◎
304 Washington Ruby B Mrs 688-9454
308 Scarborough Eddie ◎ 682-2983
309 Woodward Lewis W ◎ 682-3989
310 Perry Archie B ◎ 682-8598
311 Buie Alton ◎ 682-3232
313 Coleman Eldridge R Jr ◎ 688-6589
CONCORD INTERSECTS
400 St Titus Episcopal Church 682-5504
401 Brown Juanita T Mrs ◎
405 Little Eliz J ◎ 688-1441
407 Thompson Lena J Mrs ◎ 682-7171
409 Rogers Clifton ◎ 688-2313
410 Satterfield Lucille G Mrs ◎ 682-3025
411 Hill Thelma W Mrs ◎ 688-1782
412 Huggins Jas E ◎ 688-2920
416 Thompson Augustus R ◎ 688-2052
418★Fuller Robt D ◎ 688-9148
420 Harvey Anna F ◎ 682-0205
421 Alston Ada M Mrs ◎ 688-3827
FAYETTEVILLE INTERSECTS

15

MOLINE ST W —FROM SOUTH ST SOUTHEAST

ZIP CODE 27707
104 Vacant
106 Pickett Mary
107★Roberts Willie ◎ 682-3002
108★Mitchell Charlotte
109a Mitchell Robt
109b Best Mitchell
110a Parsley John A 688-3381
111 Andrews Louise 688-2805
112 Brown Rosa M 682-8065
113a Washington Milton F 682-6750
113b Morgan Thelma
114 Thompson Wm
116a Watson Darnell
116b Bailey Mary T 682-5934
SOUTH INTERSECTS

68

MONK RD (BRAGTOWN)—FROM ROXBORO RD EAST 2 NORTH OF SNOW HILL RD

ZIP CODE 27704
200 King T O ◎ 477-2231
204 Thompson Jerry M ◎ 471-2831
205 Vacant
208 Pulley Wallace R 477-8930
209 Van Mark
210 Byrd J Robt ◎ 477-3273
301 Ortosky Doris J Mrs 477-3234
302 Honeycutt Lainie P 477-1980
306 Layman's Chapel Baptist Church 477-5137
Whittington Ray Rev ◎ 477-5137

460 W. Main St. 102 First Federal Bank Bldg. Durham, N.C. 27701

IS AS IMPORTANT AS WHERE TO SELL GOODS

Details For:	Year	Source	TP	Adjoining
MINERVA AVE	1983	R. L. Polk Co.	-	X

MONMOUTH AV —FROM 1200 GLENDALE AV WEST

ZIP CODE 27701
215★Lange Peter M ◎ 688-3976
216 Hutchinson Sheldon C ◎ 682-2271
217 Boise John M ◎ 688-2682
218★Godwin Dowell L ◎ 688-1567
219 Freemark Michl 688-6026
220 Burgess A Edw 688-1277
221 Cates Victor T ◎ 688-6514
222★Dupree Clare S 688-4546
224 Lyon Pauline S Mrs ◎ 682-3819
225 Carrigan Fred G ◎ 688-5497
226 Vacant
227★Williamson Al L 683-1576
228 Mc Allaster Carolyn 682-6858
229 Fink Rose M Mrs ◎ 688-2137
230 Long Annie P Mrs ◎ 682-0298
NORTH INTERSECTS
300 Purselley Glenn F ◎ 688-8376
302 Vacant
303 Lueth Edw F ◎ 688-8440
304★Stagg Wm R Jr ◎ 688-3697
305 Williams Ann H ◎ 682-2409
306 Curtis Susan G ◎ 688-8784
307 Harris Irma M Mrs ◎ 682-1840
308 Upchurch James G ◎ 688-7737
309 Lougee Geo E Jr ◎ 688-3182
310 Storck Robt P ◎ 682-1303
311 Stables Mattie H Mrs ◎ 688-6413
312 Hicks Oliver H ◎ 682-8646
313 Moore Geo P ◎ 688-4817
314 Perry Richd L ◎ 682-3817
315 Tally Walter T ◎ 682-8022
316 Baucom Hazel G ◎ 688-4408
317★Cuthbertson Frances
318 Carmack G Wayne 688-0880
319 Tidwell Robt E ◎ 688-2937
320 High Herbert O Jr ◎ 682-5385
321 No Return
322 Hobbs Sanford B ◎ 682-2414
323 No Return
324★Hill David H ◎ 688-6519
325★Mims Sue
WASHINGTON INTERSECTS

DUKE INTERSECTS
903 Catlatt Milto 682-2253
904 Baldwin Bird A ◎ 682-5330
905 Mensching Kerry J 688-9052
906 Pridgen Lorraine I ◎ 688-7970
Ramsey Eliz J 682-1677
★Van Landinghand Brian 682-1870
907 Davis Calvin D ◎ 682-5889
908 No Return
909 Wears Jeanette ◎ 688-7776
910 White Martha J ◎ 682-7176
911 Garretson Eleanor A 688-6087
912 Friedman Wm 682-6555
913 Bersebach Dorothy B Mrs ◎ 688-4776
914 Apartments
1 Culton Gladys C Mrs 688-0261
2 Rogers
3 Zornek Nicholas F Jr 688-0407
4 Foil Joanne N 688-4374
915 Morton Woodrow W ◎ 688-4780
916 Goetz Danl L ◎ 688-4074
917 Chick Clyde F ◎ 682-4890
918 Apartments
1 Payne Barbara L 688-7492
2 Mangum L Scott 688-4156
3 Mc Duffie Mary S 682-0549
4 May Barbara J
919 Rosenberg Donald K ◎ 688-7210
920★Gruverholz Marie H 682-0758
921 Pratt Walter F Jr ◎ 683-1048
922 Patton Edith J Mrs ◎ 682-0897
923a Vacant
923b Vacant
924 Hewitt Thos 682-1031
926 Carr Ellz J Mrs ◎ 682-2468
GREGSON INTERSECTS
1001 Vacant
1002 Jessup Henry L ◎ 682-8466
1003 Briggs Gary ◎ 688-2046
1004★Currie Brainerd Mrs ◎ 688-6798
1005★Klatman Paul C ◎ 682-5202
1006 Harward Lottie L ◎ 682-1454
Vashaw Lois H Mrs ◎ 682-1454

7
1007 Bigelow Richd A pntg contr ◎ 688-6439
1008 Gary Gereffi ◎ 682-6391
1009 Wilson Lena M Mrs ◎
1010 Gibbons Robt H Jr Rev ◎ 688-7689
1011 Snipes J A Mrs ◎ 682-3785
1012 Culton Yancey G Jr ◎ 688-4445
1013 Valenzuela Arth A ◎ 688-7250
1014 Satterfield Elton ◎ 688-8369
1015 Keese Peter G Rev ◎ 682-2806
1016 Sanders Clay 682-4080
1017 Edwards Dan K Jr ◎ 688-6917
1018 Reed Michl C ◎ 682-7809
1020 Umstead Jean H Mrs ◎ 682-6819
1021 Bauer-Yocum Peggy Mrs ◎ 682-2811
1022 Young Ina V ◎ 682-1910
1023★Ratw Anna ◎ 688-8588
Fleming Roxie 688-4487
1024 Couch Charles N ◎ 682-8053
1025 Salmon Apartments
1 No Return
2★Rosen David 682-1847
3 Mc Kaughan Mary
4★Thomas Celia Mrs 688-1452
5★Harland Julie 688-0166
6 Vacant
1026 Herlinger Jan ◎ 682-8941
1028 Roberts Dorothy E 688-7672
Clark Jane E 688-4157
WATTS INTERSECTS
1102a★Palmer Wm D 682-5829
1102b Tulenko Timothy A 688-7966
1102c Widhmaier L
1108 Sager Steven G Rev ◎ 688-1774
BUCHANAN BLVD INTERSECTS

121

MONROE AV —FROM 3000 UNIVERSITY DR NORTHWEST

ZIP CODE 27707
2901 Penny J Frank Jr ◎ 489-0017
2903 Jones Forrest L ◎ 489-6097
2904 Rigsbee Dixie S Mrs ◎ 489-9325
2905 Bridges Leo T Rev ◎ 489-8913
2907★Johnson Jimmy M 493-1172
2908 Pope Mary W Mrs ◎ 489-8197
2911★Stokes Leon 489-8870
25
2912 Rigsbee Thelma M Mrs ◎ 489-9540
2914 Lloyd Wm H ◎ 489-0524
2915 Malone David 489-2957
2917 Boone Robt 489-0806
UNIVERSITY DR INTERSECTS

50

MONTCLAIR CIR (PARKWOOD) FROM NEWHALL RD SOUTH 2 SOUTH OF CLERMONT DR

ZIP CODE 27713
101 Ohl Wilton J ◎ 544-2887
102 Moore David G Rev ◎ 544-1266
105 Hoffman Richd L ◎ 544-2808
106 Bowman Steven K ◎ 544-1302
107 Clark James W ◎ 544-7145
112 Barnes Bill W 544-2511
113 Byrd Lewis G ◎ 544-3902
115 Miller Wm S ◎ 544-1446
116 Zeillmann Raymond K ◎ 544-3869
119 Biddy Fred D ◎ 544-2773
120 Potts D M ◎ 544-7293
123 Massingill Lynn C ◎ 544-3281
125 Pace Everett O ◎ 544-2315
126 Garrett Pearl B ◎ 544-3263
129 Nichols David W ◎ 544-3378
133 Berkley Richd E ◎ 544-2668
134 Miller Beth E ◎ 544-7061
135 Jernigan Joe L ◎ 544-7620
137 Sechrist John R ◎ 544-1687
140★Colsom Charles ◎
141 Botts Roy V ◎

50

MONTEREY LA —FROM PELHAM RD WEST 1 NORTH OF TOWNSEND LA

ZIP CODE 27713
101 Dollar Ernest A ◎ 544-2301
102 Isgett Bernard E ◎ 544-2286
106 Thomas Harry J ◎ 544-2797
107 Larocco Michl F
110 Kelly Chas M 544-4107
111 Goodwin Harvey E ◎ 544-1198
112 Witt Wm J ◎ 544-3028
115 Hester Wm F ◎ 544-2128
116 Milne Karen L 544-7748
118 Crump Cath 544-7640
119★Almond Rodney A 544-7407
122 Allen Jessie V ◎ 544-1334
123 Perry Alex M 544-7663
126 Kelly Winton E ◎ 544-3817
127 Dean
129 Davies David 544-7354

45

MONTGOMERY ST —FROM 1700 WOODBURN RD SOUTH 1 WEST OF SPENCER ST

ZIP CODE 27705
2703 Landers Maurice B III ◎ 489-8281
2706 Roberts Geo W ◎ 489-5629
2709 Wang Paul P ◎ 489-1924
2710 Sublett La Verne H Mrs ◎ 489-2960
2715 Hall Kenneth D ◎ 489-3741
2716 Meyer J Horst ◎ 489-9207
2719 Perkins Ronald D ◎ 489-7580
2720 Wheat Robt W ◎ 489-2787
2725 Talton Ingeborg H ◎ 489-2098
2726 Fein John M ◎ 489-9401
2729 Heyden Siegfried ◎ 489-0582
2730★Agrillo Deborah ◎ 489-4502
2735★Lees Patricia ◎ 493-7244
Grizzard Robt U
2736 Anderson Lewis E ◎ 489-1089
2739 Nijhout H G ◎ 489-7594
2740 Stagg A L ◎ 489-0724
2745 Crovitz Elaine K Mrs ◎ 489-5801
2903 Tourian Ara Y ◎ 489-6088
2907 Hurwitz Barrie J ◎ 489-4944
3009 Regenschild Clovis M ◎ 493-8724

121

MONTICELLO AV —FROM STUART RD NORTH AND SOUTH 1 WEST OF CORNWALLIS

ZIP CODE 27707
NUMBERS IRREGULAR
425 Rosenthal Naomi B Mrs ◎ 489-3714
420 Nebrat Jack M ◎ 489-5867
419 Chambers Le Roy ◎ 489-4303
416 Booth E Spurgeon Jr ◎ 489-9881
412 Saros Theo A ◎ 489-8071
411 Thomas Wm J ◎ 489-8081
408 Stapleford Wm ◎ 489-9269
415 Calkins Philip B ◎ 489-1929
407 Thompson Edwin S ◎ 489-2495
406 Chapman John W ◎ 489-5378
403 Fairey Franklin ◎ 489-9461
402 Haggerty Barton G 489-5088
312 Rhinehardt Wm A ◎ 489-9864
311 Hubbard June C ◎
309 Rosendahl Bruce R ◎ 489-0604
308 Ward Robt E ◎ 493-3610
306 Knott Allan S ◎ 489-5220
305 Dilday Elisabeth R Mrs ◎ 489-0696
300 Gunter C Walton ◎ 489-2130
301 Kostyu Joel ◎ 489-6603
237 Wilson Robt L ◎ 489-6955
236 Snipes L Cyrus ◎ 489-8917
233 Rosenblitt Donald L ◎ 489-4193
232 Tiller Cora A Mrs ◎ 489-9512
228 Davies Wm D ◎ 489-6930
227 Cumbie C Ronald Rev ◎ 489-7507
221 Williams John E ◎ 489-5937
217 German Lawrence D ◎ 493-4686
216 Gladstone Donald R ◎ 489-5763
212 Ulsh Richd O ◎ 489-9510
211 Fisher Albert F Rev ◎ 489-0196
208 Nowaski Joe L ◎ 489-5051
207 Collier Bob ◎ 489-3949
204 Hawkins Raymond L ◎ 489-1904
201 Most Bernard ◎ 493-1288
200 Allard Wm K ◎ 489-1127
103 Logan James 489-4745
104 Lansing Ann M 489-5027
109 Schmalbeck Richd L ◎ 489-5568
110 Balfour Burton B 489-8530
112 Clotfelter Chas 489-0353
111 Brooker Wes R 493-3809
113 Cianciolo Geo J ◎ 489-8996
114 Morano Mark R ◎ 489-8621
115 Reddick Robt L 489-5709
116 Peterson Wm D ◎ 489-5365
118 Beltz Wayne D 493-4257

Details For:	Year	Source	TP	Adjoining
MONMOUTH/DUKE	1983	R. L. Polk Co.	-	X

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ONSLOW ST —FROM 1400 W MARKHAM AV NORTH 3 WEST OF WATTS

ZIP CODE 27705
801 Franck Martha L Mrs ◎ 286-2346
804 Dowling John W 286-7385
★Burstein F
805★Haig Craig
Vacant
805½ No Return
806 Vacant
807★Van Vickie J 286-7801
808 Apartments
1 Mathews
2 Stone Madolene 286-2489
3★Queen Delores
4★Croom M C
5★Norman Chrissie 286-1713
6 Davis Linda G 286-7296
811 Mushak Paul 286-3854
811½★Slaxton Wm T 286-3784
813 Lukas
814 Patterson Libby R 286-4263
818 Edwards Wm R ◎ 286-1086
821a★Tyroler Steven
821b Mortensen David A
822 Lukas Victor T 286-9791
★Locke Ralph G 286-9301
No Return
Hall Fredricka
★Poug Kent
823 Rogers Ivey F ◎ 286-3922
GREEN INTERSECTS
903 Thorpe Chester F ◎ 286-4317
905 Channelle Mattie Mrs ◎
906 Amey Henderson P Rev ◎ 286-7543
907 Richmond Obey ◎ 286-4574
908 Marshall Dorothy M
909 Hill Carl D
910 Jones Admire 286-4023
Mitchell Cornelia Mrs
911 Moore Hattie V ◎ 286-3132
912 Garner James A 286-3884
913 Mitchell Thaddus H 286-4534
914a Williams Debbie K Mrs 286-2131
914b Vacant
915 Blue Glenda B
916a Blue Joseph L 286-7698
916b Jenkins Zelma D Mrs 286-4307
917 Saint John's Baptist Church 286-0332
918 Daye John T ◎ 286-7602
920 Whitted Melvin G 286-7302
Green Charlie L
922 Vacant
923 Lunsford John H 286-1144
925 Hooker Iola B Mrs
Peace Savannah N Mrs 286-1418
KNOX INTERSECTS
1001 Lyon Herman ◎ 286-9754
1002a Keith James 282-2155
1002b Isaac Annie B Mrs 286-3513
1003★Nunn Billy ◎ 688-9073
1004a★Payton Parker
1004b Fox
1005 Moses Marie D Mrs 286-7494
1006 Hooker Goldie M Mrs ◎ 286-4592
1007★Docker Florence M
1008 No Return
1009 Woods Harvey W ◎ 286-4610
1010★Bass James R 286-4217
1011 Poole's Beauty & Barber Shop 286-0333
Poole Jeff Jr ◎ 286-0333
1012a Smith Carolyn
1012b Brown Freda
1013★Brooks Roy 286-9335
1015 Wall Charles C ◎ 286-4118
1016 Robinson Hattie T Mrs 286-4184
1016b Gulledge Jesse
1017a Roberts Marilyn 286-0659
1017b Mc Millan Ronald 286-9777
1018a★Atkins Beatrice
1018b★Frazier Constance
1019 Williams Charles Jr ◎ 286-4298
1020a★Lipscomb Della Mrs
1020b Mann Joseph W 286-2168
1021 Bass Mary E ◎ 286-3497
1022a Mc Callum David L 286-3378
1022b Ferrell Verdie M Mrs
ENGLEWOOD AV INTERSECTS
1101a Hester Imogene P 286-3384
1101b Ferrell Irma R
1103 Vacant
1105★Cousin Mary 286-4962
1107 Patterson Weldon B ◎ 286-4618
1109 Turrentine Parnell G Jr 286-1629
Tanner Vinston 286-3748
1111 Vacant
1113 Mitchell Roy L ◎
1115 Torian Mary D Mrs ◎
1117 Parker Graham P 286-4885
Hopkins Being
1121 Gilmore Bertha J Mrs ◎ 286-4767
CLUB BLVD INTERSECTS
GUESS RD INTERSECTS

1

ORANGE AL —FROM 110 ORANGE WEST

ZIP CODE 27701

1

ORANGE ST —FROM 100 W PARRISH TO E CHAPEL HILL

ZIP CODE 27701
ORANGE AL BEGINS
111 Vacant
113 Plummer & Daniels P A lwyrs 683-2440
Leathers Karl D lwyr 683-2440
Kemp M Christopher lwyr 683-2440
117 Allenton Realty Ins Co (Overflow)
OFFICE BUILDING
FLOORS
1st Fl Allenton Realty & Insurance Co 683-1410
119 Rooms
200 Cooke T C-P E Inc consulting engs 688-1375
201 Allenton Realty & Ins (Ins Dept)
203 Overflow
300 Loflin & Loflin lwyrs 682-0383
302 Leonard Chas lwyr
123 Weatherspoon & Hill lwyrs 682-5554
123¼ Allenton Company The real est 688-3905
Durham Board Of Realtors 682-3192
Wright Real Estate Co 688-3905
CHAPEL HILL INTERSECTS

58

OREGON ST —FROM MULBERRY ST SOUTH

ZIP CODE 27705
205a Vacant
205b Vacant
205c Vacant
205d Zino Randy R
205e Jones Mark M 684-1904
205f Donegan Fredr N 684-7103
205g Winter James A 684-7289
205h Vacant
205i Becker Neil G 684-1480
205j Green Stuart A 684-0179
205k Samlin Bruce J 684-1389
205l Petty Scott M 684-1501
206a Aranas Paul C
206b Donnigan Tracy A
206c Vacant
206d Vacant
206e Higginbotham Mike C 684-7497
206f Tolish John J
206g Gramby Sharon E 684-0979
206h Hill Johnny A 684-7291
206i Michael Jeffrey S 684-0385
206j Graybeal Eliz M
206k Jamison Shiela D
206l Carter Kevin A 684-0977
206m Nikides
206n Mark R
2060 Vacant
206p Wilson B
206q Vacant
206r Cooperrider Erin 684-0582
206s Smith Cheryl D 684-7995
206t Campbell John M 684-1979
206u Howell Terrilyn R
206v Barner Glenn D
206w Mc Laurin Yvonne D 684-0793
206x Henderson Chase A 684-1518

23

ERWIN RD INTERSECTS
PACE INTERSECTS
205 Apartments
A Vacant
206 Apartments
A★Keith Archer 286-2340
301 Apartments
A Vacant
302 Apartments
A Vacant
BYNUM BEGINS
VANCE ST BEGINS
502 United Campus Ministry Rms 684-5650
Meals On Wheels 684-5650
CAMPUS DR INTERSECTS
DUKE UNIVERSITY RD INTERSECTS

7

ORIENT ST —FROM 701 W TRINITY AV NORTH

ZIP CODE 27701
906 Pendergrast Mamie C Mrs 682-5114
907 Hunt Claude E
910 Vacant
913★Johnson Phyllis Y 688-2810
914 Cockrell Betty M 688-0832
915 High Curtis W 688-5687
918 Atkins Sammie C 687-7263
919 Shropshire Nannie F ◎ 688-5696
920 Draughan Bright ◎ 682-5278
921 Oldham Herbert W ◎ 688-5152
922 Erexson Carrie L Mrs ◎
923 Acrey Gilbert D Jr 688-0597
925 Miller Ruby M Mrs 688-1071
926 Peninger Mazelle T ◎ 682-8772
928★Miller Steve 682-1041
929 Pendergrast Ernest E ◎ 682-2361
932 Pratt Leroy 662-9482
N & W CROSSES
DACIAN AV INTERSECTS

63

ORIOLE DR —FROM 3918 HOPE VALLEY RD EAST

ZIP CODE 27707
2304★Calbreath Karen K ◎ 493-7294
2307 No Return
2308 Gibson Patricia M Mrs ◎ 493-2120
2311 Oakley Robt L ◎ 489-0930
2312 Anglin Kim ◎ 489-5513
2315 Lofland Gary K ◎
2316 Norburn Helen M Mrs ◎ 489-3983
2319 Edmondson Wm H ◎ 493-3112
2320 Cruse Charles L ◎ 489-2870
2323 Harris Robt A ◎ 489-0670
2324 O'Callahan James ◎
2327★Goeringer Harry F III ◎ 493-5266
2328 Tambe Naren J ◎ 489-7098
2331 Dente Mary A Mrs ◎ 489-0630

57

OSCAR ST —FROM DOWNING ST WEST 1 SOUTH OF PETTIGREW ST

ZIP CODE 27705
3110 Kelly Marvin N 383-3679
3112 Whitaker Roxie L
3114 Riggsbee Betty P 383-1952
3116 Tucker Tony

118

OTIS ST —FROM 300 FORMOSA AV SOUTHWEST 2 WEST OF MAYETTEVILLE

ZIP CODE 27707
2000 Adams Daisy C Mrs ◎ 688-8336
2002 Lucas Herman T ◎ 688-1212
2003 Gaston Jeffrey
2004 Martin Theola G Mrs ◎ 682-2912
2005 Barnes James T ◎ 682-1810
2008 Foreman Ronald C ◎ 682-4566
2010 Riddick Lola I Mrs ◎ 682-3185
2011 Cook Owen P Mrs ◎ 682-2062
2012 Perry Robt C W ◎ 682-2485
PEKOE AV INTERSECTS
2100 Sloan Maceo A ◎ 682-6000
2104 Bright Frank ◎ 682-8215
2109 Vacant
2111 Barnes Joseph A ◎ 682-3446

Details For:	Year	Source	TP	Adjoining
ORIENT ST	1983	R. L. Polk Co.	-	X

W TRINITY AV—Contd
20★Burton Susie A 688-3981
21★Dixon Michl T 682-1645
22 Myles Alberta 683-1384
305 Apartments
1★Greene Curtis A
2★Lyons Sandra
3★Brown Sylvia A
4 Moore P O 682-9500
307 West Trinity Avenue Apartments 688-7394
1 Alston Calvin
2 Nobles Harold L 682-8777
3 Collins Mary E
4★Williams Warren
5★Richardson Robt E
7 Mc Callum D
8 Bullock Danl
9★Campbell Mary B
10 Crawford Joyce L
309 Thompson Emma J
309½ Vacant
310 Trinity Place Apartments 493-1541
1★Dunn Jack 688-1761
2 Moore Ernestine 683-8500
3 Stallings Brenda
4 Cooper Gloria
5 Roberts Elsie A
6★Russell David 688-5471
7★Slaughter Michelle 682-3771
8 Johnson Eleanor
9 Parker Phyllis G
10★Roberts Janet M
11 Orr Elvin
12 Vacant
13★Reep Brenda G
14 Robinson Evelyne V
15 Vacant
16 Herman
17★Bridges Wilhelmenia 688-9239
18 No Return
19 Jenkins S
19 Parrish S
20 Frazier Vivorina
311 Apartments
1★Wright Wm
2 Duckett 682-2043
3 Malpass Donald H 682-2741
4★Williams Loren
5★Marfiak Steven
6 Holland Janis 682-6264
312 Dean Shirley D ◎ 682-3298
314 Prather L Douglas 682-4232
315 Eden Apartments
1★Carlisle Regina
2 Grier Reva A
317 Churchill Apartments
1★Feinstein Rosalyn 688-1083
319★Wahl Robt C
320 Hryharrow John E ◎ 688-3664
321 Katz David L
Wolf Barbara
323 Mc Neal Annie O Mrs 682-5973
323a Keith Wm H ◎ 682-3897
FOSTER INTERSECTS
WASHINGTON INTERSECTS
ORIENT BEGINS

N&W CROSSES
701 Woods House apts 688-3245
Woods Nancy Mrs ◎ 688-3245
807 Duke Tower Apartments 682-7814
101★Kove Helen 682-7601
102 Benchoff Jean 688-1897
103 Herman Regina
104★Seiler Saml 682-6250
105 Cates Wm D 682-3184
105★Perlman H 682-6050
106 Levine A Jack 683-2459
107★Fishman Max 688-3646
108★Salloy Paula E 683-3008
109 Bakeman Harriett B 688-9101
110★Ferretti Maura 682-2707
111★Peacock Robt 682-6547
112 Levin Bobbie P 682-8812
113★Omalley Carlon 688-1589
115★Westreich Helene 682-9051
116 Egan Evelyn 689-9173
117 Campbell Steve 682-8081
118 Andrews Sandy 688-7893
119★Feldman Morris H 683-2723
120★Smith Alice M 688-2100
121★Gettinger Barbara 688-2709
122 Singer Sol 682-8067
123★Goldstein Robin 682-9090
124 Bruml Leslie R 682-3812
125 Sterling Rosilyn F 682-4908
126 Levine Nancy 683-2625
127 Pearl Gail 682-5013
127 Sands Rosalind 682-3234
128★Harmon Mary D 688-1047
129 Flood Ruth 688-6649
130★Weinstein Thelma 688-5845
131 Podlosky Howard
132 Davis Quintin 688-6213
133 Steinberg Marilyn 688-8758
134 Jacobs Idyle 682-2756
135★Danzinger Allen 688-8889
136★Clark Sally 683-8371
137★Geller Elice M 688-0489
138★Cooper Beatrice 688-1592
139 Ambra Gloria 682-4856
140 Harrington Polk C 688-8580
141 Smith Calvin J 683-8491
142 Chernoff Arnold M 688-3297
143★Janaskie Jon 683-2104
144 Wilfong Lydia 682-0846
145 Sherman Julie D 682-6773
146 Parker Thos A 688-8680
147 Karl Tina 688-8783
148 Gunter Emory 682-3487
150★Weiss Elaine
151 Brown Claudia
152 Gillaspy Marge 682-1807
152 Dubin Jan A 688-1984
153 Lerman David S 682-3830
155★Carmichael Bernice E 688-3822
156★Ciuccio Patrick V 688-8486
Apt156 Young Sorel Q 682-8942
157★Kober Fred 682-1292
158★Barrett Jack
201 Jones Julie 688-6406
202 No Return
203★Lacayo Haydee M 682-3426
204 Harold Dorothy A 682-2097
205 Levin Ruth 682-8812
206 Arenson Lucille G 688-6655
207★Butz D 682-1326
208★Cishek Frank Mrs 682-4959
208★Korman Laura 688-7260
209 Forman Bette 682-6992
210★Meitzen Carl
211★Bolling Juanita B 688-1223
212★Brennan David L 682-4783
213 Thomas Wm B 682-3560
214 Paganelli Delores 682-5822
215 Hushi Claudia 683-2194
216★Pfister Robt 682-4394
217★Zimmerman Helene 682-6509
218★Grippo Frank
219 Costello Letha A 682-3062
220★Carter Robt
221 Brodoff Phyllis 688-7734
222 Hopkins Mary 688-2436
223 Samuels Risa 688-1644
224 Taylor Joanie F 685-8001
225 Hogden Linda 688-9179
226 Fawbush Donna L 688-5695
227★Artz Saundra 688-2803
228 Franzell Marc 688-6796
229★Silver Rhoda A 683-3455
230★Bernstein Marion 688-7656
231 Adisman Joan 688-8338
232 O'Connor Ellen 682-2864
233 Kelin Barbara
234 Pressman Gladys 688-6856
235 West Leon A 682-2316
235★Simons Nancy N 688-0852
236 Glazier Pamela
237★Careaga Beatrice 688-7401
238 Cole Frances 683-1507
239★Reich Audrey 83-3482
240★Rosner Melvin
241 Fischman Janice
242 Corwin Larry
243★Akiss Virginia
244 Speiza Rose 688-5603
245★Bennette Richd 682-0084
246 Brennan Joseph
247 Nochenson Al 688-8537
248 Clinque Joe 688-4928
249 Van Hook Helen 682-4366
250★Baker Dona
251 Katz Bert 688-8963
252★Zaleski Anita M
253★Jacklone Margt A
254 Lambrose Lillian
255★Yardley Kim 688-6993
256★Greenburg Milton
257 Orlando Rosalie 682-8958
258 Shapiro Mort 682-2508
808 Dietary Rehabilitation Center 684-6331
DUKE INTERSECTS
900 Executive Apartments 493-1541
1 Parker Harold M 688-3741
2 Smith Adria
3★Hill Lestie S
4 Barber Mildred
5 Brown Larry L 688-3120
6★James Billy E
7 Blake Annette L 682-4919
8 Armstrong M Minnie 688-4207
9★Cates Thos L 688-0826
10★Davis Calvin 688-4728
11 Scott Hilda J 682-1793
12★Clayton Sheila 682-2665
14★Brown Barbara C 688-3120
15★Daniels Anthony 682-4996
16 Seaton Donna 688-9451
17★Nichols Margt 683-1075
18 Gooch Veronica
18 Scott Howard R Jr 682-3885
19 Bullock Tony K 683-8741
20★Parker Cynthia D 683-1977
21 Batte Willa J 683-5554
22★Eubanks Alexia D 682-0074
906 Trinity Apartments 688-8121
1 Mc Minn Emeline C 688-6201
2 Hart Josephine C Mrs 688-7100
3 Warren Marion 682-3201
4 Webster Lydia M 682-2831
5 Green Mary S 688-7020
6 Scoggins Irma M 688-3985
7★Loadon Cath
8 Hocutt Doris F 688-8482
9★Mc Cleod Mannie 688-7736
10 Tayloe Lela S Mrs 688-7667
11 Armstrong Sarah L 688-4128
12 Dove Janie W Mrs 682-4054
910 Town & Campus Apartments 688-5234
1a★Daniel Willie M 688-0410
2a Vacant
3a Dixon Dennis 682-7665
4a Vacant
5a★Cassidy B 682-0527
6a Barnette Pat
7a★Smith Howard L
8a★Couch H
9a Yarborough Victor D
10a★Tate Sanders L 682-0791
1b Barringtine Gayla A 688-8437
2b★Thompson Marnita 688-1941
3b★Powell Geo R 688-0641
4b★Hunter Warren
5b Mack Judy A
6b★Laird Larry 682-7571
7b★Mc Girt Retha 688-5375
8b Brassell Al
9b Allison Demetris 682-6202
10b★Faulk Daine L 688-4150
916 Ambassador The apts 682-5523
1★Simms Larry 688-6879
2 Jeffries Peter R 688-9113
3★Umphlett C R
4★Martin Martha Mrs 682-8332
5★Darecalle Drew
6★Hartman Don
7 Rook Pervis L
8 No Return
9 Sheehan Seel E
10 Galifianakis S 688-8550
11★Hjelm Carl 684-2072
12★Brafman David 688-6096
14★Twitchell Jeffrey T 688-6096
15 Coyle Peter J Jr 688-9133
16★Fisher Steve
17 Cameron Maria M 682-0742
18 No Return
19 Allen Susan
918 Apartments
1★Luderer Lynn 688-6505
2★Month Stacy R 682-2557
3★Kanel Keshar 688-5810
4 Hart Thos
920 Apartments
1 Crow N Grace 682-9040
2 Tingen Essie J 688-9103
3★Chatham Phillip R 682-0783

Buy them where you work or bank

Details For:	Year	Source	TP	Adjoining
TRINITY AVE W	1983	R. L. Polk Co.	X	X

37

WARNER ST —FROM 2700 W MAIN NORTH 1 WEST OF 15TH

ZIP CODE 27705
706★High Cyril R
708 Riley Lemmie 286-1158
709 Rasberry Luther T ◎ 286-7516
710★Molter David W 286-7958
715 Avery Annie U ◎ 286-7371
719 Browning Rosa H ◎ 286-3560
721 Martin Saml L ◎ 286-3043
723★Agee Ben
HILLSBOROUGH RD INTERSECTS

13

WARREN ST —FROM 200 JACKSON SOUTHWEST

ZIP CODE 27701
PORTLAND AV ENDS
WILLARD INTERSECTS

72

WASHINGTON ST —FROM 600 FERNWAY AV NORTH

ZIP CODE 27701
LAMOND AV BEGINS
MORRIS ENDS
501 City Garage 683-4101
City Dept Pub Safety (Radio Div) 682-4175

7

700 Stone Bros & Byrd Inc feed dlrs 682-1311
701 Amoco Oil Co 682-9168
Erwin Oil Co Inc whol 682-9168
703 Harris Oil Co Of Durham Inc 688-7006
709 Motor Parts & Machine Co 682-1135
711 Vacant
715 Jackson's Automotive Service 688-2059
732 Riley Paint & Wallcoverings 688-1315
733 Shaw Decorating Co Inc 683-1542
812 Vacant
W TRINITY AV INTERSECTS
901★Bass Ervin
905 Johnson James B ◎ 682-4892
907★Oldham Larry W ◎ 688-6540
911 Hobbs Ida T Mrs ◎ 682-8843
913 Brown Connie M ◎ 688-4861
915 Mc Lamb Charles E 688-0580
919a★Abdullahi Q
919b★Kersey Pamela D
921 No Return
925★Overby Clarence A
DACIAN AV INTERSECTS
937 Pine State Electric Supply Co Inc 682-9258
944 Farm Fresh Dairy Store No 1 682-1753
Washington Street Car Wash
948 Brame Specialty Co (whse) 683-1331
949 Brame Specialty Co Inc whol paper 683-1331
N & W CROSSES
URBAN AV INTERSECTS

43

MACON INTERSECTS
1008★Hodges Belinda 688-9458
1010 Johnson Michl C 688-7296
MARKHAM AV INTERSECTS
1117 Holder Sam L 688-2136
GREEN ST INTERSECTS
1205 Wisdo Thos V 688-3317
1206 Strauss Sandra 688-5790
1207 No Return
1208 Hawley Mary A
1209 Vaughn Ylanza M 682-1736
1210 Hopson Thos A 682-3943
1211 Rigsbee Wallace
1212★Haynes June
1215 Apartments
1215a Gibson Cynthia R
1215b★Adams Ron
1215c Brook
1215d Overman Mary C 682-6381
1219a Bass Winslow
1219b Deans Gregory 688-4606
1219c Perry Courtney
CLARK ST INTERSECTS
1301 Warren Rick
1303★Raper Wm D Rev 682-7351
1305 Brook's Custom Printers Inc 688-1710
Brooks Joseph R ◎ 688-1710
1307a Tate Yolanda U Mrs 682-7439
1307b Durham David A 688-7861
1309a Phillips E A
1309b Perry Frankie J 688-5975
KNOX INTERSECTS
1408 Perry John L ◎ 682-2874
EVERETT PL INTERSECTS
1501 Wilson James S Jr ◎ 682-1756
1502 Perry Thos O ◎ 682-2836
1507 Nance Garland M Jr ◎ 688-7034
ENGLEWOOD ST INTERSECTS

141

CLUB BLVD INTERSECTS
RUBY INTERSECTS
ZIP CODE 27704
1914 Kennedy Al 471-0293
1916 Hall David H 471-4667
1918 Hauntley James W 471-4616
1920 Graham Dessie D Mrs ◎ 477-7207
1922 Luther John S
1924 Dalton Henrietta D ◎ 477-5504
1925 Denton Major T ◎ 477-0747
2000 Murray Eric O ◎ 477-2695
2005 Parker John G ◎ 471-6661
2007 Noah Robt N ◎
2009 Vacant
COLGATE INTERSECTS

50

WATAUGA CT —FROM SEATON RD EAST

ZIP CODE 27713
5 Jensen Donna H ◎ 544-3979
6 Jones Robert R III ◎ 544-2044

43

WATER ST —FROM GREEN NORTH 1 EAST OF RUFFIN (NOT OPEN)

ZIP CODE 27701

46

WATERBURY DR —FROM N GARRETT RD EAST

ZIP CODE 27707
3202 Meyers Eric M ◎ 489-1746
3208 Tillman Alvin M ◎ 493-1798
3219 Johns Sheridan W III ◎ 489-5371
3301 Johnston Jeffrey M ◎ 489-0248
3305 Seifer Susan G 2 ◎ 489-4588
3306 Hollands O C ◎
3309 Schneider Ricky M 489-0474
3310 Conrad Robt F
YORKSHIRE DRIVE INTERSECTS
3314★Dike Charles R ◎
3319 Harmon Dale L ◎ 489-5354

60

WATEREDGE DR —FROM DEEPWOOD CIR EAST AND WEST

ZIP CODE 27707
3602 Brannon Mc Kenzie M ◎ 489-5497
3606 Rogerson Gbasay 489-1336
3607 Laing Hubert A ◎ 489-0763

40

WATSON ST —FROM 1903 GEER SOUTH

ZIP CODE 27704
MORGAN INTERSECTS
1703 Wilkins Robt L ◎ 682-8941
1911 Clements Edw T ◎
1925 Campbell Ruth L
1925½ Vaughn
1928 Prewett Robt ◎ 682-4186
1929 Watson Effie M Mrs ◎ 688-4749
1931 Mc Cowan David E ◎ 682-4514
1933 Vaughn Elbert H ◎ 682-3148
1709 Vaughn Steve E ◎ 688-7863

9

WATTS ST —FROM 1018 W MAIN NORTH 1 EAST OF BUCHANAN BLVD

ZIP CODE 27701
MORGAN INTERSECTS
LAMOND AV ENDS
115 Coffin E Wilson ◎ 688-1983
201 Apartments
1 Chronaki Terry ◎ 682-7390
2★Dunn Brenda J 688-6035
3 Chronaki Irene 682-3003
4 Kaplan Jacob D 682-9434
5 No Return
6 Chronaki Enumanuel
A★Hall Martha 682-5179
B Alexander Susan
B Tull Stephen M 688-5779
203★Segars Mary
203a Bierstedt Becky
203b Campbell
204 Carrington Mary E ◎ 688-6608
205 Pleasants Fern L Mrs ◎ 688-2522
205½ Payne Cynthia S 682-0567
206★Herman E
Thompson Sally W ◎ 688-2145
207 Knight Douglas R ◎ 688-3405
208a Snyder Jonathan 688-8635
208b Pendergraft Norman E ◎ 682-0756
209 Apartments
1 Page Inez H 682-5065
2 Murdock Patsy M Mrs 682-0920
3 Duncan Fred Mrs 688-1638
4 Talton Ann
5 Mason Winnifred F 688-8473
6★Gilliam Beverly G 682-1506
210 Apartments
210a Laughridge Louise A Mrs 688-3578
210b★Taylor Kimberly M 688-8410
210c★Edge Sharon L
210d Patterson Timothy J 688-6509
212 White Julia F ◎ 682-1771
213a Phillips Spencer musician
213b No Return
GLORIA AV INTERSECTS
301 Harris Myrtle V Mrs ◎ 682-5162
302 Wilson Wilkie A Jr 682-6923
303 Hall Margt F Mrs ◎ 688-1866
304 Johnson Apartments
1 Northcutt V Leroy
2 Wilson Josephine V Mrs 688-0455
3 Hall Lillian S Mrs 682-2729
4 Godfrey Opal W Mrs
307 Apartments
A★Fanning Mamie J Mrs 682-5006
B Meadows Eileen A Mrs 688-6003
C Vacant
D Daugherty Charles C 682-7073
310 Napier Ruth C Mrs ◎ 682-2367
311 Rand Fannie P Mrs ◎ 688-2424
312 Lancer Audrey 688-6167
MINERVA INTERSECTS
401 Cooke Aylene E Mrs ◎ 688-3896
402 Solie Guy T ◎ 682-0807
403 Wood Eliz T ◎ 682-3408
405★Lynch Reginald S Jr
406 Williams Robt S ◎ 682-4071
407 Evans R Kent
409 Carr Henry C Mrs ◎ 682-4091
TRINITY AV INTERSECTS

25

TRINITY AV INTERSECTS
500a Godwin
500c Gaddis Steve 682-2870
501 Spears Estelle F Mrs ◎ 682-0780
504 Crawell House The boarding hse
506 Group Home org 688-8641
507 Mc Cutcheon Julia P Mrs ◎ 682-0869
509 Setzer Carl 688-6530
510 Cole Apartments
1 Beaman Lucille H Mrs 688-7179
2 Swain C W
3 Brown Hazel J Mrs 688-1900
4 Stephens Michl D 688-3771
511 Swain A R Mrs 682-1985
512 Apartments
1 Reitzel Lily M Mrs 682-1716
2★Higdon Eliz
3★Alexander Lex
4★Clow H K
MONMOUTH AV INTERSECTS

(Corner of Trent Dr. and Hillsborough Rd. Near Duke Hospital)
中國酒店
and 286-9007
SAVINGS BONDS
Buy them where you work or bank

Details For:	Year	Source	TP	Adjoining
WASHINGTON ST	1983	R. L. Polk Co.	-	X

Guaranty State Bank
Extending your financial reach.℠
302 W. Main St.
3400 Westgate Dr.
2101 Guess Road
3732 Roxboro Rd.

DRYDEN LA (P)–Contd
100 Allen Ann P 544-7848
101 Springs Randall T ® 544-2409
104 Sorrentino Philip J ® 544-1848
105 Blake Wm L ® 544-2304
Blake Jamie 544-5339
108 Bonti Arth P ® 544-1603
109 Ponder Jame M ® 544-4858
111 Ottarski Grace A 544-1005

24
DUANE ST –FROM 2902 E PETTIGREW SOUTH 1 WEST OF ELLIS RD

ZIP CODE 27703
101 Garrett John 596-3547
102★Dixon Haywood ®
108 Vacant
110★Numa Ronel

55
DUBARRY CT –FROM ROXBORO RD

ZIP CODE 27705
10 Clark Jas H ® 383-2219
11 Hagaman John R ® 383-7837
14 Mc Kenzie Jerry D ® 383-5654
17 Newcome Felsie M ®
18 Durham James ® 383-7796
19 No Return

238
DUBLIN ST S –FROM E CLUB BLVD SOUTH

ZIP CODE 27704
2803 Carrington James M 683-5879
2806 No Return
2807 Day Walter J ® 683-8584
2808 Cribb Marvin R
2809★Sheppard Timothy J 683-2667
2811★Walker Lewis J 683-2565
2812 Foster Kimberly A 688-1801
2820 Newton Paul A ® 688-6141
2823 Vacant

138
DUBONNET PL –FROM GLENBROOK DR SOUTH 1 NORTH OF CLUB BLVD

ZIP CODE 27704
1 Owens Mary A 479-0798
3 Brown Jessie L Mrs 471-2907
4★Roberts Bernice G
6★Mc Dowell Carolyn W
7 Vacant
8 Evans Sadie E 471-4306
10 Singleterry David 471-0663
11 Kilroy Maggie 470-4819
12 Ware Mary L Mrs 477-2324
14 Robinson Clara I
16★Freeman Joyce A
17 Ettson Carrie W Mrs
18★Vinson Etta A
19★Parker Henrietta T 471-0762
20 Hackney Essie W 47-7116
21 Vacant
22 Brandon Roena E 477-3688

144
DUDLEY CIR –FROM HOLLOMAN ST NORTH IN A CIR 1 EAST OF GLENCO RD

ZIP CODE 27703
5 Cox Millard E Rev ® 596-1501
7 Inscoe Kristie J ® 596-1694
10 Meredith Richd 596-7038
18 Horne Danny W
22 Rigsbee Ronald W ® 596-1403
29 Appel Mike W ® 596-1622
35 No Return
38 Vacant
39 Pearce Joseph D ® 596-8880
42 Ragan Walter L ® 596-8619
59 Taylor Marjorie G Mrs ® 596-2600
63 Moore Richd V ® 596-5915
67 Bizzel Mark ®
68 Phipps Raymond E ® 596-0964
71 Garner Larry W ® 598-1776
72a No Return
72b Vacant

55
DUFFERS PL –FROM 26 CHIPPERS WAY WEST

ZIP CODE 27705
2 Wade Roy R ® 383-5358
5 Bowles Lewis E 383-3278

238
DUKE LA (BRAGTOWN)–FROM BELVIN NORTH

ZIP CODE 27704
3302 Fisher Johnny ® 477-8054
3306 Smith Horace ® 471-2354
3500 Lynch David E ® 477-4196
3522★Roshelle Diane
3524 Williams Pecolia S 477-4424
3526★Whitted Doretha
3606 Apartments
2 Smith Cary C 471-4769
3 Liles Beadie B 477-1385
5 Walker Wilma R
6 Jones Annie M 479-5026
7 Jones Eva Mae
3622 Apartments
9 Hunter Gladys D 471-8178
11 Bass Helen 477-9131

9
DUKE ST N –FROM 800 W MAIN NORTH 1 EAST OF GREGSON

ZIP CODE 27701
111 Der Wagen Haus foreign auto repr 682-2741
115 Weeping Radish restr 682-2337
121 No Return
MORGAN INTERSECTS
FERNWAY AV INTERSECTS
300 Liggett Group Inc 683-8936
311 Collins John W ® 477-2016
LAMOND AV INTERSECTS
400 Durham High School 560-2200
MINERVA AV INTERSECTS

25
TRINITY INTERSECTS
711 Seven Eleven Apartments 493-1541
1-2 No Return (2 Apts)
3★Wingate Lynn 682-1108
4★Chavis Robin
5★Sellers Christopher
6★Mitsambiwa Hector D 682-9233
7 Jacobs G F 683-1918
8 Chang Yun
9★Strow Anthony K
10★Mc Gregor Brian
11★Jones Janet
11★Jones Eddie
12 No Return
712★Swingle David 687-0943
714a★Hudson Ed Jr
714b Johnson Jas Jr
MONMOUTH AV INTERSECTS
801★Cacho Michelle ® 682-5279
803 Dunn Ruby Mrs ® 688-7213
805a Senter Nora R Mrs ® 682-7869
805b No Return
807 Childers Karen J ® 688-0370
809 Grooms Sharon ® 682-4714
810 Eight-Ten Apartments the 682-6629
1 No Return
2 Johnson James
3★Plummer Wm M 682-6111
4 Wright Jeanette 682-8687
5★Johnson David
6 No Return
7★Morris Angela R
8 Porter Darlene 688-0863
9-10 No Return (2 Apts)
11 Dunn Kenneth N 688-3975
12 Brown Julius 688-2649
12a★Jenerette Priscilla
14 No Return
15 Adderly Suzette
16 Tharrington Lynwood 682-6580
17 Brown Betty E Mrs 688-5813
18 No Return
19 King
20★Cassady Gregory 683-2751
21 Baker Maggie 682-7302
22-24 No Return (2 Apts)
23 Herman
25-26 No Return (2 Apts)
27★Warren E Howard
28★Rhodes Chris 687-0619
29★Martin Maggie 688-5987
30 No Return
811 Apartments
1★Parks Chas 682-4066
2★Flood Virginia D
3 Adams Sheila R
4 No Return
DACIAN AV INTERSECTS
903 Rogers Lee C 682-4454
URBAN AV INTERSECTS
1000 Georgetown Manor Apartments (Guy Solie Real Est) 682-0807
1 White Bruce 688-6585
2 Young Trever
3 Johnson Vennie 682-4129
4 Kithcart Thelma D 688-7686
5★Herndon Jesse 682-5389
6 Whitfeld Robt 688-0676
7-8 No Return (2 Apts)
9 Thomas Virginia Mrs 682-3421
10 Medlock Cheryl L 688-9181
11-12 No Return (2 Apts)
13 English Lucinda 688-4902
14 Spears Alicia 688-5503
15 Miles Sylvia 682-3927
16 Jones Carolyn
17 Shakur Amad 682-6045
18 Peaks Thos C 682-2767
19★Rochelle Angela
20 No Return
21★Hexner Johnathan 688-8395
22 Abd-Shakor Amad 682-6045
23★Brown Susie 683-2385
24★Leak Regina
25 Crawford Dorothy 688-1895
26 Edgerton Linda
28 Miles Ronald 688-3580
29★Himms Teresa 682-7665
30 Hubbard Mary A Mrs 682-2525

CHANDLER CONCRETE CO. INC.
READY MIXED CONCRETE
PROMPT SERVICE · HIGH QUALITY
2700 E. Pettigrew St. Durham, N.C. (27703) 598-1424

Capitol Holding
A member of the Capital Holding family
300 W. Morgan St.
P.O. Box 61 (27702)

Details For:	Year	Source	TP	Adjoining
DUKE ST N	1990	R. L. Polk Co.	-	X

This Book is Your Silent Salesman

ADVERTISE AND PUT IT TO WORK

W GEER ST–Contd
219 Apartments
1 Vacant
2 Winn Katie P
3★Hart Kevin L 682-1507
4 Currie Wanda F 688-3341
5 Vacant
220 Faith Tabernacle 682-3040
NORTH INTERSECTS
301 Apartments
1★Hamilton Haywood G
2★Dixon Mike
3★Ragland Franklin O
4★Bryant Hubert
303 Apartments
1 Vacant
2 Asher Lester 688-4459
3-4 Vacant (2 Apts)
305 Apartments
1 Silver Lela 682-6086
2 Lee Christopher A 683-5829
3 No Return
4 Vacant
307 Apartments
1 Stafford Slade 687-4162
2★Johnson Jonnie R
3★Terry Richard
4★Hayes Sharon D 687-0120
309 Apartments
1 No Return
2★James Albert T
3 Vinson Theresa 688-1390
4 Vacant
319 Mike's Transmission Service Inc 682-7591
321 Carolina Beverage Packers of Durham Inc carbonated beverages 682-0329
324 Fargo-Hanna Oriental Rugs 688-2037
326 Custom Mechanical Inc elec co 687-7603
401 Triangle Limousine Service 688-3873
Wright Executive Sales Inc 688-3873
408 Hutchins Auto Supply Co Inc 682-9101
410 Blue Cross & Blue Shield of North Carolina 489-7431
412 Vacant
FOSTER INTERSECTS
WASHINGTON INTERSECTS

217

GEORGE ST –FROM 2109 FAYETTEVILLE EAST 2 NORTH OF CECIL

ZIP CODE 27707
LINCOLN INTERSECTS
502 N C Central Univ (Annex) 560-6100
505 N C Central Univ (Annex) 560-6100
513 N C Central Univ (Annex) 560-6100
517 N C Central Univ (Annex) 560-6100
518 N C Central Univ (Annex) 560-6100
519 N C Central Univ (Annex) 560-6100
525 N C Central Univ (Annex) 560-6100
531 N C Central Univ (Annex) 560-6100
601 N C Central Univ 560-6100

65

GEORGIA AV –FROM 2908 HILLSBOROUGH RD NORTH 1 WEST OF LAWNDALE AV

ZIP CODE 27705
ENGLEWOOD AV INTERSECTS
1105 Hornbuckla Jarry
1106 Boutwell David ® 286-4874
1107a★Whitaker Jesse
1107b Giberson Linda L 286-4540
1108 Watkins Norman E ® 286-1892
1109a Webster Dean
1109b★Riley Wendy
1111a Vacant
1111b Gustafik Mary
1112 Mc Kay Ned F ® 286-9467
CLUB BLVD INTERSECTS
WOODROW INTERSECTS
1300 Dailey Ruth F Mrs ® 286-9188
1304 Newton Ivey J ® 286-2870
1305 Thaxton Vivian V Mrs ® 286-4180
1311 Newmaker ®
1312★Skubish Wm ® 286-1337
1316 Brown Helen B Mrs ® 286-1824
1400 Novack Roger ® 286-2647
1403 Hamlett Roswell W ® 286-7693
1404★Stagg Wm R Jr ® 286-1301

13

GERRARD ST –FROM 1300 DUKE UNIVERSITY RD SOUTH

ZIP CODE 27701
703a-704b Vacant (4 Hses)
705 Branch Lillie M Mrs 489-8077
706b★Morman Rebecca A
707 Wright Sarah ® 489-9619
708 Bynum Marilyn 489-3518
709 Long Charlie 489-2816
711★Roper Thomasine
JACKSON INTERSECTS
801b-802 Vacant (2 Hses)
804a★Morman Julia
804b★Stevens Amoratta
805 Green Tony ® 493-4152
806a Morman Linda B
806b Morman Helen
807a-809a Vacant (5 Hses)
809b Abdul-Wahid Yusuf ® 490-3091
810a-810b Vacant (2 Hses)
811 Long Hassie
812 Brown Alice T Mrs ® 489-5603
813a★Ingram Delores
813b No Return
814 Vacant
815 Nixon Belinda F 489-3729
819 Walker Freida ® 489-1130
DAVIS INTERSECTS

244

GIBSON RD –FROM LYNN RD EAST

ZIP CODE 27703
3100 Westfall Clyde B ® 596-1648
3110 Lynn Hazel N Mrs ® 596-2050
3120 Van Hise Harold M ® 596-2051
3123 Mullen Juanita L Mrs ® 598-1570
Mullen Roderic L
3127 Lynn Dawn ® 596-3794
3128 Porterfield Douglas W ® 596-2055
3207 Hutchins Andrew N Jr ® 596-2053
3208 Goss Elaine ®
Killough Alice 596-2583
3210 Lowery Ennis R ® 596-6864
3211 Lynn Saml J ® 596-2052
3215 Ausley John A ® 596-8073
3531 Lunsford Lewis C ® 596-5195
3535 Ray Carmel R ® 596-2716
3537 Green Wm L ® 596-8092
3539 Seagroves Wm W ® 596-4411
3541 Royster Eliz A Mrs ® 596-7297
3601 Shelburne Frank A ® 596-8848
3603 Propst Harry L ® 596-7534
3605 Woods J Howard ® 596-5934
3607 Jacobs Charles B ® 596-3437
3608 Carden Pump Sales & Service Inc sls & serv 596-8442
Carden Connie E ® 596-8442
3609 Champion Thos J ® 596-6065
3610 Jones Claude M ®
3611 Andrews Louise H Mrs ® 598-1541
3616 No Return

10

GILBERT ST –FROM 402 N ELIZABETH EAST 1 NORTH OF HOLLOWAY

ZIP CODE 27701
706 Triangle Funeral Chapel 688-4636
708 Southern States Co-Op Inc feed dlr 688-6477
PEARL BEGINS

32

NFK SOU CROSSES
902 Carolina Propane Gas bottled gas 688-3046
908 Whitted Francecina
910a Montgomery Theresa 688-7407
910b Estee Lily M 682-9452
912a★Quionness Chantel
912b Vacant
914★Coltrane James
914b★Steele Daryl
916★Satterfield Naomi P
918a★Wellington Davis
918b Roberts Gloria
920a Vacant
ALSTON AV INTERSECTS
1100 City Dept Engineering (St Mtce Dept) 560-4312
CALVIN INTERSECTS
HYDE PARK AV INTERSECTS
SPRUCE INTERSECTS
1201 Pleasant Charles A Roofing & Gutter Co 682-2440
Pleasant Chas A ® 688-2440
1203 Williams Iris B 682-4873
1205a No Return
1205b Royster Cornell M ® 682-3181
1206 No Return
1207 Hammock Geo H pntr ® 683-2778
1208 Holsclaw Calvin ®
1209 No Return
1211 Edwards Travis L ® 688-8340
1212 Davis Henry A 688-7905
1214 Stephenson Kenneth W
1216 Mc Broom Saml A ® 688-7453

20

GILLETTE AV –FROM 900 FAYETTEVILLE EAST

ZIP CODE 27701
1003 Hudson Marvin ® 682-9050
1005 Gunn Wm S ® 688-3859
1007 Noell Purvis E ® 688-2692
MURPHY INTERSECTS
1101a Vacant
1105b★Mc Collum Mary E 688-1992
1105 Vacant
1107 Johnson Thos H constn wkr ® 688-4918
1111 Douglas Emma ® 682-3368
1113 Vacant
CHATHAM PL ENDS

24

ALSTON AV INTERSECTS
SMITH INTERSECTS
1315 Thomas Wm H 682-8470
1317★Gilchrist Linda S

CENTURA BANK

Drive Up Service From 9 to 5 Monday - Thursday 9 to 6 Friday

TEL. ALL LOCATIONS 683-2531

4251 Roxboro Rd. 500 Morgan St. 1926 Holloway St. 4215 University Dr.

SUGGS PLUMBING & HEATING INC.

PLUMBING AND HEATING CONTRACTORS ALSO
WATER PUMPS — SERVICE

2122 SOVEREIGN ST., P.O. BOX 2774 (27705) PHONE 286-1221

Details For:	Year	Source	TP	Adjoining
GEER/WASHINGTON	1990	R. L. Polk Co.	-	X

Marie Austin REALTY COMPANY 1204 BROAD ST. 286-5611 REALTOR MLS DURHAM

HARDEE ST–Contd
B8★Moser Terri S
C1 Vacant
C2★Garrett Renessa E 598-5797
C3 Vacant
C4★Parks Marvin 683-2648
C5★Mann Kathy D
C6★Whitaker Lorenzo
C7★Swaney Deloris
C8★Bullock Alex E
D4★Garrett Diana M 682-6467
D5 Vacant
D6★Allen Jean 688-7903
D7 Vacant
D8★Campbell Harold J
E1★Mitchell Mary
E2★Green Calvin
E3★Hunt Belinda L
E4★Humphrey Janice K
E5★Jackson Willie L
E7 Vacant
E8★Chambers Shelton
F1 No Return
F2★Bailey Annie L 687-0248
F3 Vacant
F4★Ennis Lavada V 682-5205
F5★Parks Johnny 688-8794
F6 Vacant
F7★Moye Thos E 688-9591
F8★Schofield Marcia L
G1★Jackson Tamara D 682-8118
G2 Vacant
G3★Curtis Sheila 688-8618
G4★Goodson Marva 688-6785
H1 Stringer George 682-0082
H2★Williamson Betty 682-9204
H3★Thomas Cynthia 682-5881
H4 Vacant
J1★Davis Melvin 682-7728
J2★Mc Farley Edna R
J3 Evans Barbara J 682-1202
J4 Judge Diane 682-1754
K1★Brandon Vernell 682-1175
K2 Vacant
K3 Leathers Alva C
K4★Ricks Pamela M
L1★Burton Angela C 688-6103
L2★Revels Charlotte
L3★Michaux Robt
L4★Clay Rosa A
611 No Return
612 Apartments
1★Satterwhite Nellie 682-6515
2-3 No Return (2 Apts)
4★Williams Melissa 682-2796
615 Scoggins Wayne 688-2790
616 Young Thos W Jr ® 682-7397
617 No Return
618 Mangum Wm S ® 688-7119
619 No Return
620 Watson Aaron L ® 682-1549
624 Watson Linwood T ® 688-1749
632★House Roy ® 688-8815
652 Vacant
654★Lacwell Peggy A 688-9035
706a★Claudfellow Robt
706b Joyner Emma J 682-6764
706d-728 Vacant (6 Hses)

CHEEK RD INTERSECTS
810 Vacant
816 Long & Sons Restaurant & Refrigeration Equipment 688-3632
826 Cheek Heights Baptist Church 683-1019
Bostic Joe D Rev 683-1019
903 Kar Color Inc 682-5615
921 Canada Dry Bottling Co 688-8202

HARGROVE ST –FROM 1000 GLENDALE AV WEST 7

ZIP CODE 27701
207 Hill Ann C
209 Jones Geneva J Mrs 688-1042
211 No Return
213a★Ceasar Cassetta E
213b★Little Auninette
BAY BEGINS
214 Hester Jesse L ® 682-3261
215★Johnson Jos T
217★Burton Sandra J 683-8375
219 Hunter Ralph R ®
NORTH INTERSECTS

HARNETT ST –FROM 2200 E PETTIGREW SOUTHWEST 24

ZIP CODE 27703
507-513 No Return (3 Hses)
515★Shaw Sue M ® 596-9673
HACKNEY BEGINS

HARP ST –FROM 900 FARGO WEST 15

ZIP CODE 27707
MATTHEWS ENDS
CARRINGTON INTERSECTS

HARPER PL –FROM MONMOUTH NORTH 1 EAST OF N DUKE ST 25

ZIP CODE 27701
803★Stolpp J
805★Woodard Ali 688-6445
807 Jones
811★Smith H O
813 No Return
DACIAN AV INTERSECTS

HARRELL AV –FROM 817 COLFAX SOUTHEAST 20

ZIP CODE 27701
1000★Bennett Beverly S
HICKORY INTERSECTS
1100½ Johnson Alex Jr
1102 Vacant
1104 Taylor Carol 682-3718
1106 Hollaway Everta C ® 682-2530
1108 Vacant
1109 Gaines Anthony 682-3247

ALSTON AV INTERSECTS 24
1200 Burton Elementary School 688-3468
SOWELL ENDS

HARRIGAN CT –FROM GLOOGON ST SOUTH 40 52

ZIP CODE 27705
6 Roth John L
8 Johnson Joseph F ® 477-9094
9 Vanhorn Brian K ® 471-6743

HARRIMAN AV –FROM RIDGE RD WEST 1 SOUTH OF GRETMAR DR 46

ZIP CODE 27705
2803-2900 No Return (2 Hses)
2905 Schmid Ronald J ® 493-1517
2909 Aitken Paul W Rev ® 489-5491
2913 Mitchell Gary E ® 489-5320
2916 Diehl Wally J ® 490-3093
HADDON RD BEGINS
3000 Clement Donald A ® 493-9256
3003 Howard Larry ® 477-4661
3004 Maskel Laurence P ® 493-5804
3010 Scerbo F Barry ® 493-4399
3011 Roll K Rudolph ® 493-1012
3015 Roberts B W C ® 489-5081
3020 No Return

HART ST –FROM 200 S MAPLE EAST 28

ZIP CODE 27703
1901 Howard Charlie trk drvr ® 596-0674
1904 Ruffin Roosevelt Jr 598-5700
1905 Parker Hubert ® 596-1905
1906 Coe Fredk A III ® 596-3507
1907a Hicks Olivia C 596-0552
1907b★Davis Freddie E 598-0580
1908★Yarborough Douglas W 596-1717
1909 Henderson Harold D ® 596-0125
1910★Jacobs Ursula Y
1910a Hutchins Daisy W Mrs ® 596-0134
1912 King Opie R Mrs ® 596-5835
1913 Anderson Jesse L 596-4027
1914 Vacant
1916 Champion Jesse A ® 596-8460
1917 No Return
1918 Yarboro Louann ® 596-4015
1921-1922 No Return (2 Hses)
2001 Shepherd Frances F Mrs ® 596-6122
2002★Daugherty Robt Davis ®
2004 Fox Foy ® 596-7845
DRIVER INTERSECTS
2105 Parker Willie R ® 596-5403
2106 Mc Ghee Eliz P Mrs ® 596-5562
2107 Crutchfield Marige B Mrs ® 596-7584
2109 Poole Annie E Mrs ® 596-6417
2110 Clark Thomas J 596-2297
2111 Lowery Eliz ®
GUTHRIE AV INTERSECTS
2212a Anderson Joyce 596-6313
2212b Thomas Danny W 596-5590
2214a Carmack Lillian 596-6472
2214b★Tuck Ricky T
BRIGGS AV INTERSECTS
2304 Vacant
2306★Mc Rae Ernestine A 596-8165
2308★Mills John R ® 598-3219
2310 Reese Joe H ® 596-5066
2311★Scott Betty J ®
2400★Toole Kathy
2402b★Quintanilla Ernesto
2405 No Return
2405a Harper Lamont
2406 No Return
2407 Jones Willie Lee ® 596-1438
2408 Tillman
2409 Lewis Deborah 596-9883
2411 No Return
2501 Hedgepath Jerry L ® 596-4084
2505★Dorty Delton L
2507 Vacant
2509 Addison Mark bldg contr 682-1429
2511 Vacant
2513 Seymore Clifford ® 596-5052
2517★Saymore Donald O ®

CENTURA BANK
Drive Up Service From 9 to 5 Monday - Thursday 9 to 6 Friday
TEL. ALL LOCATIONS 683-2531
4251 Roxboro Rd. 500 Morgan St. 1926 Holloway St. 4215 University Dr.

SUGGS PLUMBING & HEATING INC.
PLUMBING AND HEATING CONTRACTORS ALSO
WATER PUMPS — SERVICE
2122 SOVEREIGN ST., P.O. BOX 2774 (27705) PHONE 286-1221

Details For:	Year	Source	TP	Adjoining
HARPER PL	1990	R. L. Polk Co.	-	X

682-5781

Century 21

HAYWOOD DAVIS REALTORS
286-2121
TOLL FREE 1-800-633-7575
1011 Broad Street
MLS
Durham, NC

MIMOSA ST–Contd
627 Hall J Preston ◎ 682-2614
628 Murray Phillip P 683-5521
629 Simmons Cornelius D Jr ◎ 683-2741
632 Williams Charlie M ◎ 682-8095
633 Richardson Frances B Mrs ◎ 682-5223
636 Frederick Wm N ◎ 682-8908
637 Allen E Jean ◎
HARDEE ST INTERSECTS

244

MINERAL SPRINGS RD RT6 –A CONTINUATION OF S MINERAL SPRINGS RD

ZIP CODE 27703
BOX NUMBERS
bx460 No Return
bx462 Wright Connie E 596-6877
bx461 No Return
6 Bizzell P G Mrs 596-5261
bx464 Roberts Earnest H ◎ 596-1835
bx467 Walters Robt B ◎ 596-2723
bx468 Alwood W Austin ◎ 596-7974
bx470 Perry Rest Home No 1 596-3543
Perry Pansy H Mrs ◎ 596-3543
bx470a No Return
bx472 Williams Charlie ◎ 596-3965
bx473b No Return
bx473d Hinton Cleveland Jr ◎
bx473c Green Burmas T ◎ 596-2841
bx475 King Thos W ◎
bx476 Holloway Rosa S Mrs ◎ 596-5745
bx478 Justice Chas B ◎ 598-1311
bx479 Hinton Lydia Mrs ◎ 596-2724
bx480 Meadows Manzel ◎ 596-1058
bx480d No Return
bx481 Gregory Lois F Mrs ◎ 596-8405
bx481a Capps Jos E Jr ◎ 596-7440
bx482 Capps Joseph E ◎ 596-2253
bx483 Lee Clella D Mrs ◎ 596-3518
Clark J Sterling ◎ 596-3684
bx484 Luquire Cleo S Mrs ◎ 596-7409
bx486 Tilley J Richd ◎ 596-2254
bx487 Carlton J W ◎ 596-3053
bx488 Greenhill Claude E ◎ 596-3777
bx490 Albright Roy L ◎ 596-5632
bx491 Luquire David H ◎ 596-5251
bx492 No Return
bx493 White Ken ◎ 596-2807
bx494a Barnes James W ◎ 596-1069
bx494b-bx494c No Return (2 Hses)
bx494d Vacant
bx496 Barker Lyda Y Mrs ◎ 596-5589
bx497 No Return

244

MINERAL SPRINGS RD S –FROM MIAMI BLVD EAST 1 SOUTH OF PEYTON AV

ZIP CODE 27707
NUMBERS IRREGULAR
104-108 No Return (2 Hses)
110★Dolinger Bobby J ◎ 596-1958
114 Wheelous James E ◎ 596-6064
118-202b No Return (7 Hses)
204 Martin Cleo Mrs ◎ 596-6554
208 No Return
212 Barber Eug J Mrs ◎ 596-6685
213 Williams Edw J ◎ 596-6463
214 Enscore John W ◎ 596-5695
220 Watson Frank V ◎ 596-6484
224 Willard John C ◎ 598-1155
225 Abayhan Samuel 596-0016
234 No Return
235 Fowler Jas A ◎ 596-6175
300 Carey Seth ◎
301 Oak Grove Free Will Baptist Church 596-7108
Allen Jerry A 596-7985
304 Tucker Douglas A ◎ 596-2433
305 Parrish David M
306 Hill Patricia A
308★Rigsby Jos
309 Smith John 596-0525
314 Tilley Wm A ◎ 596-5627
315★Pickett Michl 596-4016
318 Walker Christine V ◎ 596-7362
322 Matthews Lillian C ◎ 596-6116
326 Casey Sally E Mrs ◎ 596-5787
402 Young Lloyd L ◎ 596-6125
404 Smith Frank A ◎ 596-6203
405 Walker Roy 596-5836
408 Gaddy Graham J ◎ 596-1858
409 Moore Therman A ◎ 596-6497
465 Slaughter Elmo ◎ 596-0269
466 Johnson Paul D ◎ 596-7396
470 Mc Lamb Milton L ◎ 596-5484
471★Mc Lamb Kath P ◎ 596-2710
473 Peace D A
481a★Capps Jos E Jr
482 Capps Jos E ◎ 596-2253
505 Van Metre John W Jr ◎ 596-0918
506 Rigsbee Letta H ◎ 596-4785
507 Graham J T
508 No Return
523★Blackwell Odell S ◎ 596-8470
FLETCHER RD BEGINS
600 Holder Arth J ◎ 596-6294
602★Norwood Doris B
603 Hutson Lila H ◎ 596-6633
604 Bishop Harry A ◎ 596-6326
606 Bridges Alma T
607 No Return
608★Wiggins G L
609 No Return
611 Fletcher Earlie J Jr ◎ 596-8350
612 Norwood Arnold ◎ 596-7667
613 Fletcher Geo E ◎ 596-8501
614 Hayes Robt C ◎
616 Smith James T ◎ 596-2852
617 Fletcher Eug F ◎ 596-8826
618 Yates James P ◎ 596-6807
619 Taylor Mark 596-7000
620 Hunt Tim W ◎ 596-0161
621 Fletcher Linnie R Jr ◎ 596-8669
622 Locklear Mary C Mrs ◎ 596-2960
701 Allen Mozelle P 596-2370
703 Sessoms Peggy F Mrs ◎ 596-8953
704 Shipp Steven ◎ 596-1469
706 Brady Mozelle L ◎ 596-3046
707 Moore Geo A ◎ 596-2728
710 Tice Eliz G ◎ 596-5913
712 Vaughan Sam D ◎ 596-3283
714 Vaughan John T ◎ 596-7307
718 Cress Fred A ◎ 596-2040
806★Schroeder Wm J Jr ◎ 596-7080
810★Knight Sammy ◎
814 Dunn Ricky L ◎ 596-7960
817 Turner Cleteous M ◎ 596-8916
820 Mason Mark A ◎ 596-7025
823 Woodall Brenda G 596-2796
904 Perry Ralph C ◎ 596-4311
908 Taylor Wm H ◎ 596-6855
911★Elliot Glen E ◎ 596-6143
912 Fitch Wm G Jr ◎ 596-1454
915 Pettus Donald ◎ 596-5355
916 Glenn Bennie C ◎ 596-8676
920 Arbogast Cleo M ◎ 596-4723
924 Summerlin Clinton M ◎ 596-8702
927 Reuss Alma F ◎ 596-3071
930 Noles Leunice T ◎ 596-3834
933★Hamiton Betty ◎
937 Green Michael ◎
1001 Creech Wm J ◎ 596-1678
1610★Mc Alexander Regina
1824 Crabtree Dwight A ◎ 596-3783
PLEASANT DRIVE BEGINS

9

MINERVA AV –FROM N DUKE ST WEST 1 NORTH OF GLORIA AV

ZIP CODE 27701
N DUKE INTERSECTS
801 Durham High School (Science Bldg) 560-2200
N GREGSON INTERSECTS
1002★Erwin Wm R 682-1441
1004 Mellown Elgin W Jr ◎ 682-4202
1005 Weistart John C ◎ 688-2152
1006 Judge Patk ◎ 682-3566
1007 Bloch Evelyn S ◎ 682-4350
1008 Foster Hazel C Mrs ◎ 688-6735
1009 Cunningham D Jay ◎ 688-3458
1010 No Return
1011 Unruhe Steve ◎ 682-3600
1012 No Return
1012a Marshall Betsy F Mrs 688-3804
1012b Vacant
1014 No Return
1015 Greeley Wm J ◎ 682-7542
1016½ Shreefter Robt L ◎ 683-2516
1018 Harrell E Kenneth ◎ 682-0365
1019 Toher Thos ◎ 688-0388
1020 Woodward Eliz ◎ 688-6727
1021 Apartments
1 No Return
2 Tyree Helen ◎ 688-1498
3★Goodman John
4 Baker Doris I 682-9633
1022 Smith Michl R ◎ 688-2105
1024-1026 No Return (2 Hses)
WATTS INTERSECTS
1107 No Return
1108 Morgan Richd W ◎ 688-5068
1110 Upchurch Oliver W ◎ 682-1675
BUCHANAN BLVD INTERSECTS

24

MINT ST –FROM SMITH SOUTHEAST 1 SOUTHWEST OF GLENN

ZIP CODE 27701

69

MIRAMONT DR –

ZIP CODE 27705
1310 Houser Bert W ◎ 471-8014
1314 Green Danny R ◎ 477-2574
1400 Coffman Stan ◎ 471-1221
GREEN OAK DR INTERSECTS
1404 Ashworth Michl H ◎ 471-9731
1408 Vacant
1412 Albright Wm M ◎ 471-4938
1416 Clements J Garland ◎ 471-2224

218

MIRANDO PL –FROM 3500 FOUR SEASONS DR EAST

ZIP CODE 27707
6-8 No Return (3 Hses)
9★Wooten Johnny A
10-12 No Return (2 Hses)
14★Riley David ◎ 682-6054
15 No Return
16★Powell Barbara J

509 N. MANGUM ST., DURHAM, N.C. (27702)

H & B BUILDER'S SUPPLY, INC
Specializing in Doors, Windows - Exterior and Interior Trim
746 E. Markham Av., Durham, N.C. (27704)
Ofc. 688-6594 — Home 682-0714

Details For:	Year	Source	TP	Adjoining
MINERVA AVE	1990	R. L. Polk Co.	-	X

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238

MIRIAM CIR –FROM E CLUB BLVD IN SEMI CIR 1 EAST OF CITY LIMIT

ZIP CODE 27704
2410 Brown Lee
2411 Belser Viola E Mrs ® 477-0969
2413 Rogers Chas E Jr ® 477-6134
2414 Bryant Calvin
2415 Holloway Temple G ® 477-3205
2417 Vacant
2421 No Return
2423 Evans Arth L ® 477-3396
2424 Hayes Wm O ® 471-8204
2427 Parks John W ® 477-0024
2428 Marshall Bessie F
2431 Squires Ennis L
2433 Harris Cora 477-6366
2435★Hester Bobbie B ®

218

MISSEL AV –

ZIP CODE 27707
3808 Harriss Family Care Home 688-3368
3812 No Return
3819★Evans Stuart L ® 682-4368
3821-3823 No Return (3 Hses)
3824★Edwards Nebaraska ® 682-5151
3826★Pratt Ella M ® 682-2598
3825 Vacant
3831-3835 No Return (2 Hses)

34

MISSION AL –FROM 810 N MANGUM EAST

ZIP CODE 27701
KELLY AL BEGINS

53

MISTY CREEK CT –FROM 1901 STREBOR ST EAST

ZIP CODE 27705
2 Moore Gary R ® 479-5414
4 Lovell George R ® 471-9634
6 Vacant
7 Council Joan E ® 479-0125
8 Cline Leslie A Mrs ® 471-4994
9★Taylor Wm 477-5825

40

MITCHELL ST –FROM DREW NORTH BEYOND E GEER EAST OF N&WRY

ZIP CODE 27704

14

MOBILE AV –FROM MC COY PL EAST

ZIP CODE 27701
MC COY AL ENDS
HENRY AL ENDS
CHARLES PL BEGINS
E PROCTOR ENDS
FAYETTEVILLE INTERSECTS

18

MOLINE ST E –FROM 1500 S ROXBORO SOUTHEAST 1 SOUTH OF DUNSTAN

ZIP CODE 27707
204 Davis Gertrude T ® 683-1824
205 Jones Beauty Shop 682-1249
Jones Louis ® 682-1249
206 Johnson Josephine R Mrs ® 688-1784
207 Stroud Verly G Mrs ® 682-2256
208 Cozart Ernestine B ® 688-2090
209 No Return
212★Allen Larry 688-8336
213★Mc Clain Cathy
214 Vacant
215★Noah Juanita 682-2170
216 Castle Earl 682-1670
217 Vacant
BERN INTERSECTS
301★Mc Michael Clifford 687-4622
302-304 Vacant (3 Hses)
308★Scarbrough George ®
309 Woodward Lewis W ® 682-3989
310 Perry Archie B ® 682-8598
311 Bule Alton ® 682-3232
313 Coleman Beatrice F Mrs ® 688-6589
CONCORD INTERSECTS
400 St Titus Episcopal Church 682-5504
401 Brown Quanita T ®
405 Little Eliz J ® 688-1441
407★Thompson Dazzelle ® 682-7171
409 Rogers Clifton ® 688-3213
410 Satterfield Lucille G Mrs ® 682-3025
411 Hill Thelma W Mrs ® 688-1782
412 Huggins Ethel J Mrs ® 688-2920
416 Thompson Lillian P Mrs ® 688-2052
418★King Derrick ® 688-7039
420 Harvey Anna M ® 682-0205
421 No Return
FAYETTEVILLE INTERSECTS

15

MOLINE ST W –FROM SOUTH ST SOUTHEAST

ZIP CODE 27707
106 Vacant
107★Mc Laughlin Curtis 688-2805
108 Vacant
110a★Alston David
111 Andrews Louise C 688-2805
112 Washington David 682-8573
113a Washington Ollie Mae
113b No Return
114★Tutt Toris 1 682-5520
116a★Mc Farland James
116b Bailey Mary 688-4024
SOUTH INTERSECTS

68

MONK RD (BRAGTOWN)–FROM ROXBORO RD EAST 2 NORTH OF SNOW HILL RD

ZIP CODE 27704
200 King T O ® 477-2231
204 Thompson Jerry M ® 471-2831
205 Vacant
208 Pulley Geraldine H Mrs ® 477-8930
209 Anderson Delano B ® 477-0693
210 Byrd Jessie P Mrs ® 477-3273
301 Ortosky J M 477-3234
305 No Return
306 Layman's Chapel Baptist Church 477-6957
Tilley Lawrence grounds mtce 477-6957

7

MONMOUTH AV –FROM 1200 GLENDALE AV WEST

ZIP CODE 27701
208 Oliphant Jas ® 682-8442
209★Furr Kathryn J ® 688-5392
212 Henderson Annette ® 682-4801
214 Oakley E M ® 682-7432
215 Lange Peter M ® 688-3976
216 Hutchinson Sheldon C ® 682-2271
217★Damberg Richard C ® 688-4141
218 Godwin Dowell L ® 688-1567
219 No Return
220 Burgess A Edward ® 688-1277
221 Cates Victor T ® 688-6514
222 Furr Joanne 688-5392
224 Mc Donald Mary Anne ® 683-3113
225★Sloane Shawn L ® 682-8080
226 Baldasare Paul ® 682-8280
227 Allen Don Builders Inc contrs 688-2779
Allen Don ® 688-2779
228 Mc Allaster Carolyn ® 682-6858
229★Varns Jerry L ® 688-0134
230 Rogers Peggy J ® 682-5950
NORTH INTERSECTS
300 Purrselley Glenn F ® 688-8376
302★Metez Sandra K 683-1787
303 Lueth Edw F ® 688-6632
304★Klafler Mark ® 687-0614
305 Williams Herb H ® 682-2409
306 Brown Paul D ® 688-0952
307★Levinson Stuart J ® 688-1778
308 Upchurch James G ® 688-7737
309 Lougee Geo E Jr ® 688-3182
310 Storck Robt P ® 682-1303
312 Hicks Bessie S ® 682-8646
313★Hicks Gertie ® 688-4817
314 Perry Richd L ® 682-3817
315 Tally Walter T ® 682-8022
316 Baucom Hazel G ® 688-4408
318 No Return
319 Tidwell Robert E ® 688-2937
320 High Herbert O Jr ® 682-5385
321★Worley Terry C
322 Hobbs Clara W Mrs ® 682-2414
323 Cheek Clarence
324 No Return
325 King Thurloe N ® 688-6504
WASHINGTON INTERSECTS

25

DUKE INTERSECTS
903★Haire Stacey 688-2370
904 Vacant
905 Rowland Andy ® 688-3646
906 Pridgen Lorraine I ® 688-7970
907 Davis Calvin D ® 682-5889
908 Boyes Wm K ® 688-0633
909 Wears Peter B ® 688-7776
910 White Martha J ® 682-7176
911 Jenkins A C 682-3858
912 Rogers John ® 682-5934
913 Hine Calton ® 682-3253
914 Apartments
1 Culton Yancey G Mrs 688-0261
2★Sheehan C E 682-2061
3★Jeffries Peter R
4★Granato Jim 688-3452
915 Burroughs Thos ® 688-3253
916★Montgomery Robt D ® 682-3185
917★Benefield Randal M ® 682-1568
918 Apartments
1 Vacant
2 Ryan L 688-9031
3 Grilley M 688-5006
4★Blaustein Rich 688-1414
919 Rosenberg Donald K ® 688-7210
920 Gruverholz Marie H ® 682-0758
922 Jamison Rick ® 688-6120
923a Dehmer Alan 682-8347
923b Lane Barbara 688-4145
924 Cerveris Michl E ® 683-1343

4001 UNIVERSITY DR.
DURHAM, N.C. 27707
MEMBERS N.Y. STOCK EXCHANGE
TEL. 919-490-8200
1-800-672-1677
100 E. Britania Ave.
P.O. Box 2935 (27715-2935)
2701 Hillsborough Rd.
(Corner of Trent Dr.
and Hillsborough Rd.
Near Duke Hospital)
China Inn restaurant
中國酒店
- Phones -
286-2444
and
286-9007

Details For:	Year	Source	TP	Adjoining
MONMOUTH/DUKE	1990	R. L. Polk Co.	-	X

Vaughan Electric Co., Inc.
COMMERCIAL • INDUSTRIAL • RESIDENTIAL WIRING
SAM D. VAUGHAN, JR., President
Tel. 919-596-1327 - Fax 919-596-2967
3007 Wake Forest Hwy., P.O. Box 11677 Durham, NC (27703)

ORANGE ST–Contd
Rooms
200-300 No Return (2 Rms)
123 Loflin & Loflin lwyrs 682-0383
Charns Alex lwyr 682-0383
Goldston Wm G lwyr 682-0383
123½ Vacant
CHAPEL HILL INTERSECTS

58
OREGON ST –FROM MULBERRY ST SOUTH

ZIP CODE 27705
205a-206b Vacant (2 Hses)
206c★Fuller Kevin G 684-0085
206d-206i No Return (6 Hses)
206j Vacant
206k-206x No Return (14 Hses)

ERWIN RD INTERSECTS
PACE INTERSECTS
205 Duke Univ (Med Cntr Housing)
206 Duke Univ (Med Cntr Housing)
301 Duke Univ (Med Cntr Housing)
302 Apartments
Duke Univ (Med Cntr Housing)
BYNUM BEGINS
VANCE ST BEGINS
502 Jordan Building
Duke Univ (Govt Relations) 684-2806
Duke Univ (Facility Planning) 684-6226
Duke Univ (Internal Audit) 684-6223
CAMPUS DR INTERSECTS
DUKE UNIVERSITY RD INTERSECTS

7
ORIENT ST –FROM 701 W TRINITY AV NORTH

ZIP CODE 27701
906★Riley Norma J
907 No Return
910★Seguin Robert H 682-5507
913 Vacant
914 Cockrell Betty M 688-0832
915 King Darlene 682-0974
918 Pettiford Kermit @ 682-1672
919-920 No Return (2 Hses)
921 Oldham Herbert W @ 688-5152
922★Erexson Frank @
923 Acrey Faye H 688-0597
925 Miller Ruby M Mrs 688-1071
926 Peninger Mazelle T @ 682-8772
928 No Return
929 Pendergrast Clara C Mrs 682-2381
932 Vacant
NFK SOU CROSSES
DACIAN AV INTERSECTS

63
ORIOLE DR –FROM 3918 HOPE VALLEY RD EAST

ZIP CODE 27707
2304 Johnson T Earl @ 493-7294
2307★Anderson Richd
2308 Gibson Patricia M Mrs @ 493-2120
2311 Oakley Robt L @ 489-0930
2312 No Return
2315 Olderfield Margt @
2316 Keminitz Tadeusz @ 489-8218
2319★Ignelzi Michl @
2320 Amos Dawn 490-0817
2323 Harris Bebe M @ 489-0670
2324 No Return
2327 Duser Arth 493-8284
2328 Tambe Naren G @ 489-7098
2331 No Return

118
OTIS ST –FROM 300 FORMOSA AV SOUTHWEST 2 WEST OF MAYETTEVILLE

ZIP CODE 27707
2000 Vacant
2002 Lucas Julia H Mrs @ 688-1212
2003 Gladden Jas @
2004 Martin Theola G Mrs @ 682-2912
2005★Beard Truitt B @ 688-7245
2008 Harrison Derek L @ 682-4566
2010 Mc Laughlin Jenette B Mrs @ 682-4027
2011 Cook Owen P Mrs @ 682-2062
23 2012 Perry Robt C W @ 682-2485
PEKOE AV INTERSECTS
2100-2104 No Return (2 Hses)
2109 Franklin Sally N
2111 No Return
2112 Lawson Gracie L Mrs @ 682-2065
2114 Dixon Claude @ 688-2390
2117 No Return
NELSON BEGINS
2201 Leathers Winnie J Mrs @ 688-9518
★Leathers Erica J 682-2258
2205 Frazier Golan S @ 682-4413
2207a Kirk Zeda B Mrs 682-2473
2207b Vacant
2209a Orange Buster
2209b Vacant
2211 Mc Duffie James C carpet layer @ 688-9210
2213 Browen Willie J @ 682-1601
2217 Moore Calvin H @ 682-0547
2217½ No Return
2219 Williams Virgie H Mrs @ 682-3233
2224 Steele Richd C @ 688-0493
2226 Davis Olean H Mrs @ 682-5097
2228½ Rogers Annalena
Mangum Sarah S 682-7951
CECIL ST INTERSECTS
2301 No Return
2301b Vacant
2302a No Return
2302b Fogg J A 688-2465
2303 No Return
2305 Marshall Shady C @
NFK SOU CROSSES
WEAVER ST INTERSECTS
2402 No Return
2404 Burnett Ernest @ 688-1838
2405★Mc Duffie Dennis O 688-8557
2408 Dunn John
2411 Mc Laughlin Mamie Mrs @ 682-7360
2413 Jones Juliette R
2414 Browning
2414b Manley Wayne L 682-6411
2414c Deberry
2415 Vacant
2419 Butler Johnny H @ 688-0118
2422 Harrell Donna W @
2423 Hill Lena M Mrs @ 682-4833
2425 Hooker Mary B Mrs @ 688-6947
RED OAK AV BEGINS
2500 Sutton Thelma B Mrs @ 688-2723
2501 Lawrence Gracie Mrs @ 688-3127
2504 Pamplin Mary H Mrs @ 682-3092
2505 Scott Saml F @ 682-8479
2506 Conyers Otis L Rev @ 682-3684
2507 No Return
2508★Streeter Donald L
2509 Estes Rudolph @ 682-3043
2510 King Henry A @ 682-7750
2511 Walker Chester A @ 682-6369
2512 Bryant Plookie @
2514 Andrews Mary L Mrs @ 682-7710
2515 Judkins Dorothy C Mrs @ 682-4558
2519 Jones Sarah H Mrs @ 682-8616

10
OTTAWA AV –FROM 500 N QUEEN EAST 1 SOUTH OF PRIMITIVE

ZIP CODE 27701
401★Gaither John
403 No Return
404 Vacant
405 Day Cephus E 682-8534
407 Baskin Raymond 683-2021
502★Banks John
505a Owens Gary
505b Davis Jacqueline
OAKWOOD AV INTERSECTS
506-507 Vacant (2 Hses)
508a★Williams Lynn
508b★Giffin Kenneth
509 Vacant
511 Webs Jos C
512a★Thompson Robert
512b★Rker Willie Mae
515 Big Dave's Grocery 688-9296
516 Vacant
GURLEY INTERSECTS

65
OVAL DR –FROM 1104 OAKLAND AV EAST AND NORTH IN SEMI-CIRCLE

ZIP CODE 27705
1110 Fowler Joyce D @ 286-2834
1112★Layton Harold @ 286-9381
1114 Hicks Marion @
1116 Mc Laughlin Nancy @ 286-0061
CLUB RD INTERSECTS
1202 Barnhardt Agnes W Mrs @ 286-3700
1204 Pendergrass Eliz C Mrs @ 286-1303
1206 Daniel S V Jr @ 286-7044
WOODROW INTERSECTS

17
OVERHILL TER (FOREST HILLS) FROM 900 FOREST HILLS BLVD EAST AND SOUTH

ZIP CODE 27707
ENTERPRISE ENDS
706★Williams Benjamin F Jr @ 493-0423
710 Butts John D @ 489-1040
714 Jamison Willa @
720 Stolp Bryant @ 489-1562
FOREST HILLS BLVD INTERSECTS

40
OVERLAND DR –FROM 1130 MIDLAND TER SOUTH

ZIP CODE 27704
2119 No Return
2122 Cole Paul B Jr @ 682-8670
2123 Vacant
2125 Britt Lloyd H 682-3342
2218 Rigsbee Gary H @ 688-5770
2222 Blalock Wm R @ 688-2525
2223 Webb Wm L @ 682-3920

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RALEIGH 755-1199
CHAPEL HILL 929-8629

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Details For:	Year	Source	TP	Adjoining
ORIENT ST	1990	R. L. Polk Co.	-	X

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302 W. Main St.
3400 Westgate Dr.
2101 Guess Road
3732 Roxboro Rd.

W TRINITY AV–Contd
11-12 Vacant (2 Apts)
14 No Return
301 Imperial Apartments 489-1541
1 Ruebin Evonne 682-2717
2★Shackleford Ron E
3 Vacant
4★Cole Calvin K
5 Vacant
6★Botchway Joseph O
7 No Return
8 Williams Barbara H 688-1787
9-10 No Return (2 Apts)
11★Moore Sandra R
12 Batts Wm Jr 688-2450
13 No Return
14 Vacant
15★Houston Tawny
16-18 Vacant (2 Apts)
17 Owens Julius 682-7477
305 Apartments
1-4 Vacant (4 Apts)
307 West Trinity Av Apts
1 Vacant
2 Gray Lina Mrs 688-1014
3 Roach Patricia A
4★Knight Katie
5 Alfred Donnell A 682-0219
6 Vacant
7 Lunsford Ralph A
8★Singletary Annie M 688-5182
9★Giles Johnny
Vacant
309a Vacant
309b★Malone Lilia
310 Trinity Place Apartments 493-1541
1 Hairston Joanne 688-1244
2★Singletary Maria 687-0820
3 Stroud Malphus G 688-9467
4 No Return
5 Brown Rosa C 682-8065
6 Vacant
7-8 No Return (2 Apts)
9 Vacant
10 No Return
11★Brown Dwight
12 No Return
13 Somerville James 682-2954
14 Vacant
15★Street Joseph W
16 Vacant
17 No Return
18 Vacant
19★Johnson Vaughn P
20★Hatley Carl W 687-0807
311 Bergman Properties 493-1541
1 Brodie Elizabeth B
2 Brilliam Beverly
3 Briley Mayo 682-0412
4 No Return
5★Mc Kener Wm L 688-5877
6★Morris Marvin D
312 Dean Shirley D ◎ 682-6309
314 Vacant
315 Eden Apartments
1 Spain Winford T 682-5010
2 No Return
4 Vacant
Vacant
8 Vacant
317 Churchill Apartments
1★Walters Dwayne
3 Wilcher Jesse 682-9147
319-320 Vacant (2 Hses)
Apartments
A Vacant
B No Return
B Vacant
A Keith Wm H ◎ 682-3897
B Vacant
403 Ken's Quickie Mart No 13 688-6758
FOSTER INTERSECTS
WASHINGTON INTERSECTS
ORIENT BEGINS

NFK SOU CROSSES
701 Watson Inn 687-4067
U9★Rice Nancy W
U10★Watson Gordon
U13★Monk Gerald
2b Vacant
L1★Davis Chas
L2 Vacant
L3★Hart Chas
L4 No Return
L5★Chavis Jas
L6★Cunningham Brock
7★Mull Donald
U1 Vacant
U2 Bailey Geo
U5★Miller Shelton
U6★Hackney Troy
U7★Jones Ronald
U8★Lusk Ken
U9 Vacant
3b Wright Larry
804 Duke Diet & Fitness Center clinics 684-6331
900 Apartments
1 Yandle David R 682-5158
2 May Marcie 688-3478
3 Hill L S
4 Allen Walter L 682-5052
5 Turner
6 No Return
7 Rollins Herman L 682-1993
8★Collins Willie
9 Holeman Clinton 688-4921
10★Larry Mitchell
11 No Return
12★Wright Monique
14 Boykin Natlie C 688-3758
15★Judkins Patricia A
16 No Return
17 Grissom Vernell 682-4340
18★Bellamy Ralph
19 Yancy Sabrina Mrs
20★Parker Cynthia
21 Mc Lean Kenneth
22★Cofield Wanda 682-1596
906 Trinity Apartments 489-3913
1 Amberg Robt Jr 688-1273
2 Hart Josephine C Mrs 688-7100
3★Wayman Hall 682-3201
5★Henson Shea A 688-2194
6★Smith Ken 682-5716
7 Harrell Sheila L 688-7874
8 De Vos Martine 688-4575
9 Young Virginia
10 Lebowitz Leslie 683-3246
11 No Return
12 Little Alice 682-7133
910 Town & Campus Apartments 493-1541
1a Ellis Tearsa
2a No Return
3a★Harris Kenneth W 682-5123
4a King Buckson M
5a Evans Jim 688-0567
6a Stainback Alice 688-8934
7a Smith Howard L 689-6812
8a Perry Leticia
9a Fryer S 682-1790
10a Wilson Maryann 688-0159
1b No Return
2b Broosk Cathy 688-3820
3b Graham Joyce
4b No Return
5b★Melvin Kathy
6b Daughtridge Helen 682-6869
7b★Rolon Luis 688-5375
8b Gary Robin 683-4219
9b-10b No Return (2 Apts)
916 Ambassador the apts 493-5618
1-2 No Return (2 Apts)
3 Smith James M 684-0129
4-5 Vacant (2 Apts)
6-7 No Return (2 Apts)
8 Swetnam John W 683-3226
9★Zengin Ozkan 687-7602
11★St Amer S 682-2186
12 No Return
14★Brown Robt 682-4578
15 Coyle Peter J Jr 688-9133
16 Crabtree Darrell G 683-2328
17 Williams Nancy 688-5342
18 No Return
19★Fox Eliz
918 Apartments
1 Mc Murrer Daphne 687-4225
2★Walcott Greg 682-4463
3 Davis Cynthia 682-1654
4 Vacant
920 Apartments
1★Wrenn Sarah C
2★Sharron John
3 Owen Rick V 682-6224
4 Nash
924 Apartments
1 Phillips Mike 688-2580
2★O'Shea S P
3 Leonard Michael D 688-7525
4 Flow Thos G 682-8936
926 Studt Res
927 Trinity Avenue Presbyterian Church 682-3865
GREGSON INTERSECTS
1001 Dunn Drywall contrs drywall 687-2579
Dunn Joseph J ◎ 682-2579
1002 Vacant
1003 Skinner Michl A ◎ 682-1312
1004 Alden Chas J ◎ 688-9498
1005 Harward James R Jr ◎ 682-3772
1006 Lane Harold H 682-6866
1007a Ferguson Drue 682-6916
★Burlein Ann 688-8089
★Tolbot Rob 682-0130
1007b Everitt C S 682-0330
1008 Richter Gerhart ◎
1009 Noel Wm W Jr ◎ 682-2723
1010 Crutchfield Florence W ◎ 688-4937
1012★Pipkin Marvin ◎ 687-0952
1014 Shaw Fay J ◎ 688-2264
1015★Shrugue Michl Rev
1017★Evelev John O 687-4296
1019 Beale Duncan M ◎ 683-1159
1020 Wheless Don M ◎ 682-1761
1021 Wheless Gilbert B ◎ 688-1986
★Rathburn Anthony 682-1836
1022 Rogers Max G ◎ 688-4733
1023-1024 No Return (2 Hses)
1026★Amar Paul
1026a★Conie Carolyn
1026b★Moran Liz
1030 Ham Jon C
WATTS INTERSECTS
1107 Erwin Apartments Beauty Salon 682-4398
BUCHANAN BLVD INTERSECTS

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Details For:	Year	Source	TP	Adjoining
TRINITY AVE W	1990	R. L. Polk Co.	-	X

KENNEDY AUTO SERVICE, INC.
Specializing in Front End Alignment
2004 E. Club Blvd. (27704) Tel.: 688-2139

WALNUT ST–Contd
2020 Hall Victor C ◎ 286-9605
2021 Bass Walton N ◎ 286-3545
2022 Wiles Kim M Mrs ◎ 286-3037
2023 Harrison Dennis R ◎ 286-2403
2024 Hams Donald
2025 Chambers Virginia S ◎
2026 Nash A Shelton ◎ 286-7217
2027 Gay Rachael
2029 Miles Wm D ◎ 286-3718
2030★Lovett Gladys ◎
2032 Poe Geo L ◎ 286-7316
2033 Wallace C F ◎ 286-3364
2035 Iannacchione Ruth ◎ 286-3050
2037 Johnson Wilber D ◎ 286-3645
SOVEREIGN INTERSECTS

71
WALTON ST –FROM 3000 WEDGEDALE DR SOUTH

ZIP CODE 27703
201 No Return
204 White Roy L ◎ 596-9231
205-207 No Return (2 Hses)
CUSHMAN ST BEGINS
208 Richmond Lucille C 598-1356
212 Hayes Veronica B ◎
213 Simmons Aurie 596-6608
214 Izi Lillie 596-7516
218 Huggins Jessie ◎
219 Page Joseph ◎
223 Williams Cynthia A ◎ 596-3807
225 Conyers Faye Mrs ◎
303 No Return
304 Fletcher Robt L ◎ 596-0886
307 No Return
308 Taylor Nancy
309 Melton Helen 596-4545
310 Chambers Joan A
313 Gurley Geo ◎ 596-0158
NORDIS AV BEGINS
315-400 No Return (2 Hses)
401 Chambers Lester A ◎
404 No Return
405 Thompson J M ◎ 596-3987
406-407 No Return (2 Hses)
410 Weaver Dorothy H Mrs ◎ 596-9228
411 Saulters Juanita Mrs 596-1979
412★Mc Neil Tony W
416 Burchwood Heights Community Center
419 Sanders Shirley M ◎ 596-0815
423★Lloyd Jeanette
424 Rogers Patricia N 596-1429
426 Rogers Jessie R 596-3121
428 Davis Louise W Mrs ◎ 596-9279
502 Hamilton Thelma F Mrs ◎ 596-4171
503 Gooch Henry ◎ 596-3974
504 Torain Lonnie 596-5983
506 No Return
508 Thompson Cath ◎
509-512 No Return (2 Hses)
513 Walker Geo E Jr
514-517 No Return (2 Hses)
518 Tedder Mary L 596-4836
519 Martin Theo ◎ 596-9242
520 No Return
523 Williams Priscilla ◎ 596-7757
527 Holmes Joshua ◎

69
WANDA RIDGE DR –A CONTINUATION OF LOCKHAVEN DR

ZIP CODE 27705
402 Talley Leon ◎
501 Pool Richd J ◎ 471-6365
505 Thompson C ◎ 479-0113
508 Hodges Thos G Jr ◎ 477-5120
512 Kopley Keith
516 Brown Edw H ◎ 477-5898
518 Allison Danny R ◎ 471-1340
522 Karkanawi Mohammed U ◎ 477-3546
526★Murphy Robt G ◎ 471-0814
530 Harper Thos T Jr ◎ 477-0167
606 Van Scyoc Rodney ◎ 477-5623
614 Johnson Ronald L ◎ 477-5511
618 No Return

17
WARD ST –FROM FOREST HILLS BLVD NORTHWEST 2 EAST OF UNIVERSITY DR

ZIP CODE 27707
OAK DR ENDS
WESTWOOD DR ENDS
1202★West Michl ◎ 490-5827
1212 Grabarek R Wensell Hon ◎ 489-5279
1215 No Return
2203 Mangum Ruth 489-3534

47
KENT INTERSECTS
1411 Vacant
1500 Norman Wm D ◎ 489-7034
1501 Ruhnke Chris H ◎ 489-7839
1508 Nichol Charles A ◎ 489-4439
1509 Brothers Joseph D ◎ 489-0244
1511 Ward Frank A ◎ 489-9777
ROSEDALE AV INTERSECTS
1602 Ward Foye E Mrs ◎ 489-3115
1605 Gober Mark R ◎ 493-7395
1608 Lougee Henry S ◎ 489-4016
1609 Levine Saml G ◎ 489-9257
1611 Hamm Tonia L ◎ 493-9116
1612 Baucom Bill K Jr ◎ 489-3881
1615 Jones Pearl P Mrs ◎ 489-7023
1616 Vacant
BLOUNT INTERSECTS
1700 Medlin Russell 489-1101
1705 Kingsmore Stephen ◎ 490-5486
1706 Vacant
1707 Bosky Bernadette ◎ 490-1570
JAMES INTERSECTS
1907 Thompson Rhonda 493-4424
1908 Holsonback Ron V ◎
1910 Bowen Palmer L ◎ 489-3776
1911 Markham David ◎ 489-6139
1913 Fuller R Doug 490-0406
1914 Ripley Andrew L III 493-2737
1915 Sprinkle John S ◎ 489-6660
1917 Hunt Reginald ◎
BEDFORD BEGINS
1919 Hicks Ruby O Mrs ◎ 493-1192
1920 Garner Ronald W ◎
WALLACE ENDS
1922 Pickard Kenneth J ◎ 489-0392
1923 Smith Everette J Rev ◎ 489-3677
1924 Ogburn William J Jr ◎ 489-4822
1925 Gossett Norman E Rev ◎ 489-4320
1926★Mundy Jana L
1927 Vaughan Caroline H ◎ 489-1082
1927b Vacant
WILLOW INTERSECTS
2001 No Return
2002★Arwin Ron D 483-0815
2002½★Adams Cindy A
2003 Ripley Barry Keith ◎ 489-6418
2006 Fleitz James
2008 Bartholomew Sherry A 493-4073
2008½★Hilliker Lee B 493-8356
2009 Denson Ralph A ◎ 489-5689
2010 Vacant
2010½ Winters Mary B Mrs 489-7720
2012 No Return
2013 Ripley Ralph W ◎ 489-8264
2014 Shimer Cynthia L 493-3038
HURON CIR BEGINS
2101 Bowman James
2101½ Brunson Florence 489-8365
2103-2103½ Vacant (2 Hses)
2104★Alexander Frank ◎
2106 Larson Erick W II 493-1657

64
CHAPEL HILL RD INTERSECTS
MEADOW BEGINS
ANDERSON BEGINS
CITY LIMIT
DURHAM COUNTY

37
WARNER ST –FROM 2700 W MAIN NORTH 1 WEST OF 15TH

ZIP CODE 27705
706-708 Vacant (2 Hses)
709★Gardner Christine 286-9671
715 Vacant
719 Browning Rosa H ◎ 286-3560
721 Martin Saml L ◎ 286-3043
723 Vacant
HILLSBOROUGH RD INTERSECTS

13
WARREN ST –FROM 200 JACKSON SOUTHWEST

ZIP CODE 27701
PORTLAND AV ENDS
WILLARD INTERSECTS

72
WASHINGTON ST –FROM 600 FERNWAY AV NORTH

ZIP CODE 27701
LAMOND AV BEGINS
MORRIS ENDS
501 City Parks & Recreation Dept 560-4198

7
700 Stone Bros & Byrd Inc feed dlrs ret 682-1311
701 Amoco Oil Co 682-9168
Erwin Oil Co Inc whol 682-9168
703 Harris Oil Company of Durham Inc 688-7006
709 Motor Parts & Machine Co 682-1135
715a Jackson's Automotive Service 688-2059
715½ Cole's Auto & Transmission Shop 682-5407
732 Regulator Press Printing printing 688-0071
733 Cal-Tone Paints & Interiors 683-1294
812 Vacant
W TRINITY AV INTERSECTS
901 Vacant
905★Williams Eddie
907 Yott Ernest P 682-1010
911 Hobbs Ida T Mrs ◎ 682-1010
913 Brown Connie M ◎ 688-4861
919a Windale David
919b★Westbrooks Kenny 682-6459
921-925 Vacant (2 Hses)
DACIAN AV INTERSECTS
937 Pine State Electric Supply Co Inc 682-9258
944 Vacant

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Details For:	Year	Source	TP	Adjoining
WASHINGTON ST	1990	R. L. Polk Co.	-	X

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Downtown Durham
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FAX 919-682-1144
ROOFING COMPANY, INC.
823 E. Trinity Ave. 27702

S DUBLIN ST cont'd

HOUSEHOLDS 10

DUBONNET PL -FROM GLENBROOK DR SOUTH 1 NORTH OF CLUB BLVD

- **ZIP CODE 27704**
- ***GLENBROOK DR INTERSECTS***

1 Benton Mary Owen [2] 220-0025
★ Arnette Ruby 220-0025
CLUB BOULEVARD apartments
3 Jackson Larry A [2] ◎ 220-4377
★ Brown Jessie 220-4377
4 Hunter Sherrill R [2]
6 Evans Edna [2]
★ Mc Dowell Carolyn
7 Chavis Aretha [2]
★ Stevens Patricia C
★ Daniel Barbara
8 Cooper Eva Lee [2]
10 Bellamy Esther M [2] 220-0067
11 Dorty Marsha [3]
12 Ware Mary [2] 220-0056
14 Robinson Clara I [2] 220-3323
16 Not Verified
16★ Hardnett Joyce
17 Ettson Carrie [2]
18 Vinson Etta A [2] ◎ 220-0071
19 Parker Henrietta [2] ◎ 220-7231
20 Hackney Essie W [2]
21 Howard Peggy J [2] 220-0565
22 Mangum Marie [2]
BUSINESSES 1 HOUSEHOLDS 17

DUDLEY CIR -FROM HOLLOMAN RD NORTH IN A CIR 1 EAST OF GLENCO RD

- **ZIP CODE 27703**
- ***HOLLOMAN RD INTERSECTS***

4 Hagwood W Mark & Karen B [2] 596-1578
5 Manning Ricky L & Sherry G [2] ◎ 596-3608
7 Inscoe Kristie J [9]+ ◎ 596-1694
10 Meredith Richard C & Sara A [7] ◎ 596-7038
18 Not Verified
22 Rigsbee Ronald W & Phyllis N [9]+ ◎ 596-1403
29 Not Verified
29 Ashley & Annie M [2] ◎ 596-6514
Ashley Phillip R [2] 596-6514
35 Haslam Kimberlee [2] 598-5055
38 Not Verified
39 Pearce Joseph D & Donna M [9]+ ◎ ... 596-8880
42 Ragan Walter L & Annie C [9]+ ◎ 596-8619
59 Taylor Marjorie G [9]+ ◎ 596-2600
63 Moore Richard V & Myrtle J [9]+ ◎ 596-5915
67 Not Verified
68 Phipps Stephen E [9]+ ◎ 596-0964
71 Garner Larry W & Phyllis C [5] ◎ 598-1776
72a-72b Not Verified (2 Hses)
76 Baker Greg W [3] ◎ 596-3383
HOUSEHOLDS 20

DUFFERS PL -FROM 26 CHIPPERS WAY WEST

- **ZIP CODE 27705**
- ***CHIPPERS WAY INTERSECTS***

2-5 Not Verified (2 Hses)
- ***DEAD END***

HOUSEHOLDS 2

DUKE ST N -FROM 800 W MAIN NORTH, 1 EAST OF GREGSON

9

- **ZIP CODE 27701**

111 Vacant

N DUKE ST cont'd

115 FRENCH QUARTER CAFE & BREWERY
- ***MORGAN INTERSECTS***
- ***FERNWAY AV INTERSECTS***

300 DURHAM COUNTY SOCIAL SERVICES govt office 560-8000
DURHAM COUNTY SOCIAL SERVICES (ELIGIBILITY DEPT) GOVT OFC govt ofc 560-8000
DURHAM COUNTY SOCIAL SERVICES (MONTHLY REP) govt ofc 560-8000
DURHAM COUNTY SOCIAL SERVICES (A F D C REGL REV) GOVT OFC govt ofc 560-8719
DURHAM COUNTY SOCIAL SERVICES (MASTER FILE RM) govt ofc 560-8023
DURHAM COUNTY SOCIAL SERVICES (MED DEPT) govt ofc 560-8000
DURHAM CNTY SOCIAL SERVS (MED DEPT) govt ofc 560-8754
DURHAM COUNTY SOCIAL SERVICES (PROC DEPT) govt ofc 560-8000
SKY BOX trading card co 361-8100
- ***W CORPORATION ST INTESECTS***

400 DURHAM HIGH SCHOOL 560-2200
500★ Markewitz Daniel 682-5928
★ Raikes Jane A 682-5928
- ***MINERVA AV INTERSECTS***

25

- ***TRINITY INTERSECTS***

711 SEVEN ELEVEN APARTMENTS 493-1541
1-12 Not Verified (11 Apts)
712 Parks William [2] 688-7541
Parks Jesse [2] 688-7541
Parks Eugene [2] 688-7541
Mc Cauley Robert [2] 688-7541
714a Not Verified
714b Vacant
- ***MONMOUTH AV INTERSECTS***

801a Not Verified
801b Vacant
803 Dunn Ruby [9]+ ◎ 688-7213
805 Senter Nora R [2] ◎ 682-7869
805b Not Verified
807 Childers Karen J [3] ◎ 688-0370
809 Grooms Sharon [3] ◎ 682-4714
Mc Cauley Errol Jr [3] 682-4714
810 G B S PROPERTIES 682-6629
1 Not Verified
2 Russell Darryl [2] 683-1978
3 Plummer William M [3] 682-8316
4-5 Not Verified (2 Apts)
5 Palmer Cynthia H [2] 682-2801
7 Not Verified
8★ Joyner Ronald
8★ Joyner Frances Mc
8★ Gossett Louis B
10-12 Not Verified (3 Apts)
12★ Young W
13★ Markowitz A
14 Not Verified
15 Johnson Lasceka [2] 682-1116
16 Not Verified
17 Tootle Brian A [2] 682-9143
18 Johnson Shirley Ann [2] 687-0415
19-20 Not Verified (2 Apts)
21 Baker Maggie [5] 682-7302
21★ Rigsbee Shelley P 682-7302
22 Not Verified
24 Moody Donna [2]
24 Not Verified
25 Rhodes Walter & Maudie [2] 688-1027
26-28 Not Verified (3 Apts)
29 Martin Maggie [3] 688-5987
30 Not Verified
811 EIGHT ELEVEN APARTMENTS g b s properties 682-6629
Apartments
1-3 Not Verified (3 Apts)
4 Parks Charles [2] 682-4066
- ***DACIAN AV INTERSECTS***

903 Not Verified
- ***URBAN AV INTERSECTS***

N DUKE ST cont'd

1000 GEORGETOWN MANOR 682-0807
1-6 Not Verified (6 Apts)
7 Solie Guy [3] 682-2991
8 Not Verified
9 Thomas Virginia O [9]+ 682-3421
10 Not Verified
100 11 Vacant
1000 12 Erickson George & Gail [2] 683-8099
13 Not Verified
14 Vacant
15 Not Verified
16★ Lawson Erik K & Kathryn A Stock I 683-1144
17 Shakur Amad & Sadiyah [5] 682-6045
17 Shakur Zayd M [2] 682-6045
18★ Morrisson Lisa 682-5418
19-20 Not Verified (2 Apts)
200 21 Vacant
1000 22-24 Not Verified (3 Apts)
25 Crawford Dorothy G [7] 688-1895
25 Crawford Eddie D [2] 688-1895
25 Crawford Greg S [7] 688-1895
26 Not Verified
APT27★ Mc Quarrie Michael G 688-5693
28-29 Not Verified (2 Apts)
30 Vacant
31-24 Not Verified (4 Apts)
35 Myer Wieland [2] 682-0802
36★ Hawe William P 688-6311
37-43 Not Verified (7 Apts)
44 Glenn Cynthia Z [2]
45-50 Not Verified (6 Apts)
1005 Stallings Frank O & Mary B [9]+ ◎ 682-7713
1007 Ringo William A [2] 688-7164
1008 Werner Geraldine W [9]+ ◎ 682-7022
1010★ Wheeler Carl & Cheryl A ◎
1012★ Sims Isiah

27

- ***MARKHAM AV INTERSECTS***

1101 Russo Thomas F [3] 687-4224
★ Russo Francis 687-4224
Spruill T R [2] 687-4224
1102 Not Verified
1103 Wintermute Orval S & Martha P [9]+ ◎ 682-8413
1105 Not Verified
1106 Vacant
1107 Sherman Howard L & Mary E [9]+ ◎ 682-4834
1108 Harton Frances M [9]+ ◎ 682-5221
1109 Not Verified
1111 Vacant
1112-1113 Not Verified (2 Hses)
1115a Eubanks Ruie Jr [9]+ 688-4456
1115b★ Frye
1118 Not Verified
- ***GREEN ST INTERSECTS***

1200 Dickerson Ernest J & Mollie O [9]+ ◎ 688-3717
1201 Evans Wm Ralph & Dorothy L [9]+ ◎ 682-7227
1202★ Smith
1203 Vacant
1204 Mitchell Claudie D & Sharon D [2] .. 682-1474
1205 West Marie L [9]+ ◎ 688-0216
1206 Singletary Susie [2] 682-8926
Baily Cathy [2] 682-8926
1207 Vacant
1208 Mc Laurin Thad H & Mitzi K [3] ◎ 683-2661
1209 Not Verified
- ***DEMERIUS ST INTERSECTS***

1302-1304 Not Verified (2 Hses)
1306-1307b Vacant (3 Hses)
1308 Not Verified
1309★ Prevette Mark S & Sharon O ◎ ... 956-8005
1311 Not Verified
- ***W KNOX ST INTERSECTS***

1400-1401 Not Verified (3 Hses)
1403 Mazack Ellie K [7] ◎ 688-2621
Alexander Sara K [3] 688-2621
1404 Wiethe Robert W [2] 682-3785
1405 Hill Esther D [9]+ ◎ 682-7874

Details For:	Year	Source	TP	Adjoining
DUKE ST N	1995	R. L. Polk Co.	-	X

Durham, NC

21

Details For:	Year	Source	TP	Adjoining
GEER/WASHINGTON	1995	R. L. Polk Co.	-	X

HARDEE ST cont'd

★ Forbush Josephine 682-4376

40

• *CHEEK RD INTERSECTS*

810 Ross Marvin & Lillie Mae [2] ◎ 688-5626

Ross Joyce [2] 688-5626

816 Vacant

826 CHEEK HEIGHTS BAPTIST CHURCH 683-1997

903 KAR COLOR INC automobile supa-paints 682-5615

921 CANADA DRY BOTTLING CO 688-8202

BUSINESSES 10 HOUSEHOLDS 244

HARGROVE ST -FROM 1000 GLENDALE AV WEST

• **ZIP CODE 27701**

• *BLENDALE INTERSECTS*

207 Not Verified

209 Jones Geneva J [9]+ 688-1042

211-219b Not Verified (3 Hses)

• *BAY INTERSECTS*

214-217 Not Verified (3 Hses)

218 Ragland Leon T [3] 956-8264

219 Not Verified

220a★ Glasspoole Paul C 688-7900

• *NORTH INTERSECTS*

HOUSEHOLDS 11

HARMONY RD -FROM COOK RD WEST 1 SOUTHEAST OF ALBEN ST

• **ZIP CODE 27713**

• *COOK RD INTERSECTS*

915 Belser Willie [2] ◎ 544-5825

★ Jones Raymond I Jr 544-5825

914 Poteat [2]

910 Not Verified

906★ Snipes Gerald

★ Snipes Augusta

★ Snipes Fred

820 Vacant

807 Rogers Freddie L & Denise C [2] ◎ ... 861-9729

★ Lunsford Sharon L 861-9729

729 Shephard Willie [2] ◎

718★ Mc Aran

708 Mayo Jackson & Fay B [2] ◎ 544-3685

707★ Williams Robert L

★ Williams Robert L Jr

600 Not Verified

• *ADMORE DR INTERSECTS*

HOUSEHOLDS 10

HARNETT ST -FROM 2200 E PETTIGREW SOUTHWEST

• **ZIP CODE 27703**

507-513 Not Verified (3 Hses)

515 Shaw Sular M [3] ◎ 596-9673

Garner Walter [2] 596-9673

Green Herman [2] 596-9673

Hale Joe [2] 596-9673

Alston John [2] 596-9673

HOUSEHOLDS 4

HARP ST -FROM 900 FARGO WEST

• **ZIP CODE 27707**

• *FARGO INTERSECTS*

• *MATTHEWS INTERSECTS*

HARPER PL -FROM MONMOUTH NORTH, 1 EAST OF N DUKE ST

• **ZIP CODE 27701**

• *MONMOUTH INTERSECTS*

HARPER PL cont'd

803-813 Not Verified (5 Hses)

• *DACIAN AV INTERSECTS*

HOUSEHOLDS 5

HARPER ST (HILLSBOROUGH)-FROM RAINEY AV WEST

300

• **ZIP CODE 27278**

• *RAINEY AV INTERSECTS*

202 Van Hook Camelia [2]

207★ Currie Sharon D

208 Cotton James & Catherine E [2] ◎ 732-4038

211 Fowles Suzie [2] ◎ 732-2683

212★ Harris Barbara

220★ Cates Georgia W

221 Davis Fanny M [2] ◎ 732-5167

★ Whitted Buela 732-5167

228-231 Not Verified (3 Hses)

240 Cates Sharon D [2]

241 Not Verified

246★ Watts Vera

245★ Johnson Johnny L & Doris E ◎

★ Johnson Johnny L Jr

★ Johnson Heath

250★ Parker Elvin L & Sara 732-5602

251 Latta John F & Lucy F [2] ◎ 732-3940

★ Latta Kenton B 732-3940

565 Alston Leona P [2] ◎ 544-2083

★ Alston Carlton J 544-2083

★ Alston Linda J 844-2083

270★ Currie Pete & Alice D ◎ 732-9706

• *DALTON ST INTERSECTS*

279★ Baine Clarence C & Mary J

295★ Crisp Delacey C ◎

★ Crisp Michael D

297 Not Verified

300★ Holt Larry ◎

• *HOMEMONT RD INTERSECTS*

400★ Carden

401★ Bowman Sheila A

420★ Croaker Helen F

450 DIAMONDS CLUB

484 Ragland Andrew & Carolyn D [2] ◎ .. 732-8634

• *RIDDLE AV INTERSECTS*

488-550 Vacant (2 Hses)

552 Stewart Helen J [2] ◎ 732-2449

535★ Jones Jamie C & Joyce A ◎

B Wilson Cynthia L [2]

555★ Tuck Paul & Sonya

556★ Harrelson John J

★ Harrelson Annie W

• *DIXIE AV INTERSECTS*

600 Quick H M & Hazel M [2]

606-611 Not Verified (5 Hses)

614★ Lee Robert

615★ Morton Carol D ◎

621 Thompson Mary A [2] ◎ 732-6298

Farrish Mary B [2] 732-6298

622-656 Not Verified (3 Hses)

655★ Green Haddie ◎

★ Green Shon

660★ Harris Selma J ◎ 732-3666

• *CLEO CT INTERSECTS*

730★ Cobb Alice C 732-7661

751★ Johnson Gracie A ◎

★ Johnson Shon M

750 Not Verified

• *HILLSBOROUGH CITY LIMIT*

BUSINESSES 1 HOUSEHOLDS 48

HARRELL AV -FROM 817 COLFAX SOUTHEAST

• **ZIP CODE 27701**

• *COLFAX INTERSECTS*

1000★ Taylor Renee 682-2767

• *HICKORY INTERSECTS*

1100½-1109 Not Verified (6 Hses)

• *ALSTON AV INTERSECTS*

24

• *ALSTON AV INTERSECTS*

1400 BURTON ELEMENTARY SCHOOL . 560-3908

• *SOWELL INTERSECTS*

BUSINESSES 1 HOUSEHOLDS 7

HARRIGAN CT -FROM 1521 GLASGOW ST NORTH

• **ZIP CODE 27704**

• *GLASGOW ST INTERSECTS*

6-9 Not Verified (4 Hses)

• *DEAD END*

HOUSEHOLDS 4

HARRIMAN RD -FROM RIDGE RD WEST, 1 SOUTH OF GRETMAR DR

• **ZIP CODE 27705**

• *RIDGE RD INTERSECTS*

2803 Branton Michael A & Laura P [3] ◎ 493-0060

• *CROMWELL RD INTERSECTS*

2900★ Hancock Richard & Bessie M ◎ 489-6706

2905 Schmid Ronald J & Jean M [9]+ ◎ .. 493-1517

★ Schmid Chris M 493-1517

2909 Aitken Rev Paul W & Ruth M [9]+ ◎ 489-5491

2913 Mitchell Gary E & Carolyn S [9]+ ◎ 489-5320

2916 Diehl Wallace J & Jane H [5] ◎ 490-3094

• *HADDON RD INTERSECTS*

3000 Clement Donald A & Janet W [7] ◎ 493-9256

★ Clement Matthew J 493-9256

3003 Howard Larry J & Lucy J [9]+

3004★ Clausen Curt R & Francine E ◎ .. 489-3419

3010★ Engelstein Ahleen ◎ 493-4399

3011 Not Verified

3015 Roberts B W [9]+ ◎ 489-5081

Roberts Snow L [2] 489-5081

3020★ Johnson Joseph M & Melina J ◎

• *DOUBLE DAY PL INTERSECTS*

HOUSEHOLDS 13

HARRINGTON AV -FROM 2900 KIRBY ST WEST

• **ZIP CODE 27707**

• *KIRBY ST INTERSECTS*

2 Not Verified

5★ Hambrick

6★ Hardy T C

9 Not Verified

10★ Rampson

12 Not Verified

HOUSEHOLDS 6

HART ST -FROM 100 S MAPLE EAST

• **ZIP CODE 27703**

1901 Howard Charlie [7] ◎ 596-0674

1904 Vacant

1905 Parker Hubert [9]+ ◎ 596-1905

1906-1907b Not Verified (3 Hses)

1908 Yarborough Douglas W [3] 596-1717

1909★ Clark Carlton W & Cynthia S 596-6197

1910a Vacant

1910b Not Verified

1912★ Moore Gerald W & Angela R ◎

1913 Baerga Nelson & Francis M [2] ◎ 598-5368

★ Baerga Shonda S 598-5368

1914 Davis Bernice [2] 598-2509

★ Davis Robert 598-2509

1916-1917 Not Verified (2 Hses)

1918 Turner Lodema [2] 598-5318

★ Turner James S & Dolly 598-5318

1921★ Jackson Brenda K

★ Jackson Terrell

1922 Walker Lillie B [2] 598-5396

2001-2004 Not Verified (3 Hses)

Details For:	Year	Source	TP	Adjoining
HARPER PL	1995	R. L. Polk Co.	-	X

Details For:	Year	Source	TP	Adjoining
MONMOUTH/N DUKE ST	1995	R. L. Polk Co.	-	X

Durham, NC

Details For:	Year	Source	TP	Adjoining
ORIENT/TRINITY AV	1995	R. L. Polk Co.	-	X

Details For:	Year	Source	TP	Adjoining
TRINITY AVE W	1995	R. L. Polk Co.	-	X

WALNUT ST cont'd

2015 Mims Polly A [9]+ ◎ 286-4756
2017 Lancaster Vesta G [9]+ ◎ 286-9245
2018-2019 Not Verified (2 Hses)
2020 Hall Marguerite K [9]+ ◎ 286-9605
2021 Bass Walton N & Emma S [9]+ ◎ ... 286-3545
2022★ Wiles
2023 Harrison Dennis R [9]+ ◎ 286-2403
2024★ Hamm N J ◎ 286-2284
2025 Chambers Virginia S [9]+ ◎
2026 Nash A Shelton & Bevie C [9]+ ◎ ... 286-7217
Nash Andrea L [9]+ 286-7217
2027 Gay Rachael P [5] ◎ 286-0162
2029 Miles William D & Elizabeth L [9]+ ◎ 286-3718
2030 Not Verified
2032 Poe George L & Ila Mae [9]+ ◎ 286-7316
2033 Wallace C F [9]+ ◎ 286-3364
2035 Vacant
2037 Johnson Wilbert D & Dorothy P [9]+ 286-3645
• *SOVEREIGN ST INTERSECTS*
HOUSEHOLDS 28

WALTON ST -FROM 3000 WEDGEDALE DR SOUTH

• **ZIP CODE 27703**
• *WEDGEDALE INTERSECTS*
201 Royster Dorothy A [2] ◎ 596-1071
Royster Mickey L [2] 596-1071
Royster Sylvia R [2] 596-1071
204-207 Not Verified (3 Hses)
208 Richmond Lucille C [8]
212 Not Verified
213 Simmons Aurie M [9]+ 596-6608
Simmons Kevin [2] 596-6608
Simmons Andre [2] 596-6608
214 Richmond Lisa D [2]
217 Mc Nair Percell & Etherine [3] ◎
Mc Nair Geraldine A [2]
218-219 Not Verified (2 Hses)
223 Williams Cynthia A [9]+ ◎ 596-3807
225 Conyers Faye A [9]+ 596-4290
Conyers John E Jr [2] 596-4290
• *MIDGETTE PL INTERSECTS*
303 Vaughn Carolyn [2] 683-7367
304 Fletcher Robert L & Mary W [8] ◎ ... 596-0886
307★ Washington Mary L ◎ 596-3954
308 Taylor Nancy K [8]
Taylor Sharon L [2]
309 Melton Helen [5] ◎ 596-4545
310 Chambers Joan J [2] ◎
313 Gurley Carolyn [2] ◎
Gurley Gregory P [2]
Gurley Timothy L [2]
314 Holloway Ethel [2] ◎
Holloway De Carlos A [2]
Holloway Anita R [2]
Holloway Orlando L [2]
315 Not Verified
400 Hart Shirley M [2] 596-9784
401 Chambers Lester A & Janie B [9]+ ◎ 596-2941
Chambers Melissa A [2] 596-2941
404 Gerald Della [2] ◎
Gerald Tony D [2]
405 Thompson James A & Janet M [9]+ ◎ 596-3987
JAN'S DAY CARE child day care 596-3987
406 Not Verified
407 Mc Caden Polly [3] 598-1271
410 Weaver Dorothy H [9]+ ◎ 596-9228
411 Saulters Juanita [7] ◎ 596-1979
Aashad Katashi [2] 596-1979
412 Mc Neil Tony W & Mary Ann [3] ◎ .. 596-2916
419 Sanders Shirley M [9]+ ◎ 598-1196
Sanders Joseph Jr [2] 598-1196
423 Bass Jeanette [2] ◎ 596-1532
BIRCHWOOD HEIGHTS COMMUNITY CENTER
424 Rogers James & Sonya [5] 598-8397
426 Not Verified
428 Davis Louise W [9]+ ◎ 596-9279

WALTON ST cont'd

Davis Derrick [2] 596-9279
Davis Martin [2] 596-9279
Davis Teresa [2] 596-9279
502 Hamilton Thelma F [9]+ ◎ 596-4171
503★ Gooch Inez ◎ 596-5242
504 Torain C B [7] 596-5983
506★ Powell Quinton Alvis 596-2831
507 Horsley Minnie L [2] ◎ 598-1758
508 Thompson Catherine [9]+ ◎ 596-9118
Thompson Marshall [2] 596-9118
509 Tedder James J & Mary R [2] 596-2621
512 Smith Christine H [2] ◎ 598-7870
Smith Edward L [2] 598-7870
513 Allen Novel & Mary L [2] 596-4836
514 Cole Mary L [2] 596-3617
517 Stewart John P & Gloria G [3] ◎ 596-9287
Stewart Omar M [2] 596-9287
518 Tedder Jessie J & Mary L [5] ◎ 596-9257
519 Martin Theodore R & Dorothy M [9]+ ◎ 596-9242
Martin Maurice [2] 596-9242
520 Baird Jean [2] ◎
523 Smith Ethel L [2] 596-0630
Smith Shawn L [2] 596-0630
• *KRAMER INTERSECTS*
527 Holmes Joshua & Joyce A [9]+ ◎ 598-1651
• *WEDGEDALE INTERSECTS*
BUSINESSES 2 HOUSEHOLDS 52

WANDA RIDGE DR -A CONTINUATION OF LOCKHAVEN DR

• **ZIP CODE 27712**
402 Not Verified
501 Pool Richard J & Phyllis B [8] ◎ 471-6365
505-512 Not Verified (3 Hses)
516 Brown Edward H & Marie T [9]+ ◎ .. 477-5898
518 Not Verified
522 Karkanawi Mohammed U & Mauline C [9]+ ◎ 477-3546
526 Murphy Robert G & Carol E [3] ◎ 471-0814
604★ Harper Thomas T Jr & Bonnie M ◎ 477-0167
606-618 Not Verified (3 Hses)
HOUSEHOLDS 13

WARD ST -FROM W FOREST HILLS BLVD WEST

• **ZIP CODE 27707**
• *W FOREST HILLS BLVD INTERSECTS*
1202 West Michael & Lauren J [3] ◎ 490-5827
1212 Grabarek R Wenseli & Marion N [7] ◎ 489-5279
• *WESTWOOD DR INTERSECTS*
47
• *KENT ST INTERSECTS*
1411 Becker Donald J & Polly E [2] ◎ 493-5788
1500 Norman William D & Jessamine M [9]+ ◎ 489-7034
1501 Ruhnke Chris H & Margaret C [7] ◎ 489-7839
1505 Harrington Thomas A [2] ◎ 490-6083
Marion E Saml [2] 490-6083
1508 Nichol Charles A & Marion A [2] ◎ 489-4439
1509 Brothers Joseph D & Lessie B [9]+ ◎ 489-0244
1511 Ward Frank A & Phyllis [9]+ ◎ 489-9777
• *ROSEDALE AV INTERSECTS*
1602 Ward Emitt E [9]+ ◎
1605 Gober Mark R [5] ◎ 493-7395
1608 Mc Cormick Rodney & Gale [2]
1609 Levine Samuel G & Pearl H [9]+ ◎. 489-9257
1611 Not Verified
1612 Baucom Bill K Jr [9]+ ◎ 489-3881
1615 Vacant
1616 Not Verified
1700 Schenkman Laura [2] 490-3124
1705 Not Verified
1706 Carr John W [2] 489-6481

WARD ST cont'd

1707 Not Verified
• *JAMES INTERSECTS*
1907 Not Verified
1908★ Sanchese Rainer 490-9090
1910 Not Verified
1911★ Tuck Gerald T
1913 Bruzga Robert F [3] 489-0445
1914 Ripley Andrew L III [3] 493-2737
1915 Sprinkle John S & Frances W [9]+ ◎ 489-6660
1917 Griffin Kevin L [3] ◎ 489-4980
• *BEDFORD INTERSECTS*
1919 Hicks Ruby O [9]+ ◎ 493-1192
1920 Not Verified
• *WALLACE INTERSECTS*
1922 Pickard Kenneth J & Maxie O [9]+ ◎ 489-0392
★ Pickard Susan 489-0392
1923 Smith Rev Everette J & Oma L [9]+ ◎ 489-3677
1924 Ogburn Gladys P [9]+ ◎ 489-4822
1925 Gossett Rev Norman E & Irma S [9]+ ◎ 489-4320
1926 Kroeger Mark [2] 493-8327
1927★ Mills Anita 493-5586
2001 Vaughn Caroline [2] 489-1082
2002-2002½ Not Verified (2 Hses)
2003★ Ripley Keith & Lynn ◎ 489-6418
2006 Not Verified
2008★ Curtis Heather 489-3048
2008½ Not Verified
2009 Denson Ralph A & Betty P [9]+ ◎... 489-5689
Denson Stephen R [7] 489-5689
2010 Not Verified
2010½ Winters Mary B [9]+ 489-7720
2012 Mc Clure Dianne [3]
2012½ Aldridge Margaret M [3] 493-1414
2013 Ripley Ralph W & Iris W [9]+ ◎ 489-8264
2014 Shimer Cynthia L [8] 493-3038
Wiebe Eric & Cynthia [3] 493-3038
• *HURON ST INTERSECTS*
2101 Not Verified
2101l-2103r Vacant (2 Hses)
2104 Alexander F E [2] 493-4769
2106 Larson Erick W II [8] ◎ 493-1657
64
• *CHAPEL HILL ST INTERSECTS*
HOUSEHOLDS 53

WARNER AV (HILLSBOROUGH)-FROM 117 E CORBIN ST SOUTH

300
• **ZIP CODE 27276**
• *CORBIN ST INTERSECTS*
• *ORANGE ST INTERSECTS*

WARNER ST -FROM 2700 W MAIN NORTH, 1 WEST OF 15TH

• **ZIP CODE 27705**
• *MAIN ST INTERSECTS*
706 Vacant
708-719 Not Verified (4 Hses)
• *HILLSBOROUGH RD INTERSECTS*
HOUSEHOLDS 5

WASHINGTON ST -FROM 600 FERNWAY AV NORTH

• **ZIP CODE 27701**
• *LAMOND AV INTERSECTS*
• *MORRIS INTERSECTS*
501 CITY PARKS & RECREATION DEPT (property care division) 560-4198
7
700 STONE BROS & BYRD INC lawn & garden 682-1311
701 ERWIN OIL CO INC whol 682-9168

Details For:	Year	Source	TP	Adjoining
WASHINGTON ST	1995	R. L. Polk Co.	-	X

Durham, NC

Details For:	Year	Source	TP	Adjoining
WASHINGTON ST	1995	R. L. Polk Co.	-	X

N DUKE ST *cont'd*

55-305 Kimzey Frank B [4] ♠
55-305 Kimzey Robert T
55-306-55-307 Not Verified (2 Apts)
55-308Ⓦ Tuohy Gerald J III
56-101 Not Verified
56-103 Frederick Christian G [4] ♠ 683-1872
56-103 Frederick Ericka 883-1872
56-105-56-204 Not Verified (5 Apts)
56-205Ⓦ Mahoney Brett
56-207Ⓦ Roland Lisa M 572-0202
56-301 Not Verified
56-303Ⓦ Higginbotham Eric A
56-305 Not Verified
56-306 Demacopoulos Katherine S [2] ♠ 683-8093
S6 Not Verified

+GLORIA AVE INTERSECTS
+MINERVA AVE INTERSECTS
+W TRINITY AVE INTERSECTS

· ZIP CODE 27701 CAR-RT C003

711Ⓝ Perry Gregory B 688-6224
Ⓝ Purdie Georgia 682-2410
Sellers Christopher L [7] 683-2747
Ⓝ Thorpe E 683-1637
Ⓝ Wall Lene 956-9983
1 Hernandez Martin [3]
1 Hernandez Pedro M
2 Williams Sabrina A [2]
2 Williams Edward E
3-9 Not Verified (6 Apts)
10 Mangum Alice F [2]
11-12 Not Verified (2 Apts)
14 Lewis Donnell [2]
714 A Edwards Erick E [2]
BⓌ Villafuerte Eduardo 682-4143
B Villafuerte Francisco 882-4143

+HARPER PL BEGINS
+MONMOUTH AVE INTERSECTS

801 Not Verified
803 Dunn Ruby D [9]+ ♠
805 Senter Vincent W [9]+ ♠ 682-7869
Senter Nora R 682-7869
807Ⓝ Jackson Valerie B
Mitchell Grover J [2] 956-8553
Mitchell Janice D 956-8553
809 Grooms Sharon Y [9]+ ♠ 882-4714
810Ⓝ Brown Renee 956-5050
Ⓝ Graham Mary R 956-9864
Ⓝ Hinton Diane P 682-2085
Ⓝ Lemasters Michael S 956-9875
Matthews Lisa A [2] 682-1812
Ⓝ Palmer C 682-2801
Ⓝ Thompson C H 888-8367
Ⓝ Wainaina N 688-8353
Ⓝ Williams Annie 956-9672
1 Haley Douglas S [7]
1 Haley Florence
2HⓌ Mazar Peter K
2 Russell Darryl S [8] 683-1978
2 Russell Natalie C 683-1978
3-4 Not Verified (2 Apts)
5 Donovan Michael J [2] ♠
5 Donovan Renee D
7 Martin Karianne [2]
7 Martin Jennifer A
8 Joyner Ronald D [2]
8 Joyner Frances T
9 Garrett Louis B [6]
11-18 Not Verified (7 Apts)
20 Neesen Sherry L [6]
21 Not Verified
22 Lilly Richard M [4] 682-5899
23-24 Not Verified (2 Apts)
25 Hutchinson William E [2] 956-9139
29 Lopez Sisto Jr [2]
30 Jones Jarrett D [3] 682-3211
30 Jones Bradley 682-3211
811 1 Polk Robert C Jr [3] ♠ 956-8646
1 Polk Patricia A 956-8646
2Ⓝ Mayo Dwight E
3 Joyner James E [7] ♠
4 Parks Charles E [8] 682-4066
807 Not Verified

+DACIAN AVE INTERSECTS

903Ⓦ Carter Phillip 688-6142
1000 Not Verified
1000 1 McKnight William K [2] 682-2221
1 McKnight Hollie 682-2221
3-7 Not Verified (4 Apts)
10Ⓝ Morse Jennifer Q 956-8850
10 Morse Theresa A 958-8850
12Ⓝ Crymes Sarah S

N DUKE ST *cont'd*

12Ⓝ Fanner Michelle C
13 Not Verified
14 Kingpetcharat Poranee [2]
16 Stocking Kathryn A [3]
17 Shakar Amad [9]+ 682-6045
17 Shakar Sadiyah A 682-6045
19Ⓝ Roberts Richard E Jr 687-0684
19 Roberts Johnsie M Jr 687-0684
20-24 Not Verified (4 Apts)
25 Crawford Dorothy G [9]+ 688-1895
26Ⓝ Levin Dora 682-3207
26 Levin Joshua D 682-3207
27-32 Not Verified (5 Apts)
36Ⓝ Pineda Jose A
37-39 Not Verified (2 Apts)
40Ⓝ Camargo Diana 682-5587
43 Not Verified
44 Payne Sheila A [9]+ ♠
46 Harris Barbara H [8]+
47-49 Not Verified (3 Apts)
50 Coney Daryn A [5]

+URBAN AVE INTERSECTS

1005 Stallings Frank O Jr [9]+ ♠ 682-7713
Stallings Mary B 682-7713
1007 Hille Leslie A [2]
1008 Werner Geraldine W [9]+ ♠ 682-7022
Werner Gersaldin W 682-7022
1010Ⓝ Lee Sheree M ♠
Lee Edna E
1012 Evans Angela R [4] 682-7333
Evans Natasha R 682-7333

+W MARKHAM AVE INTERSECTS

1101 Russo Thomas F [7] ♠ 687-4224
Ⓝ Spruill T R 687-4224
1102Ⓝ Bigham Scott 682-3258
Vance Dana [2] 956-5612
Ⓝ Yancey Michelle 688-7883
1103 Wintermute Orval S & Martha [9]+ ♠ 682-8413
1105 Sealey Shannon M [7] ♠
Sealey Michelle R
Ⓝ Tiffin Charles M Jr
1106Ⓝ Lipscomb James T Jr
1107 Not Verified
1108 Conklin Christopher L [8]
1109Ⓝ Cunningham C 680-0147
1111 Not Verified
1112Ⓝ Evenson G J 683-6340
Ⓝ Steinmeyer Martin 956-5967
1113 Budd Stacy [5] ♠ 688-9459
1116Ⓝ Capron Eric J 683-2667
A Eubanks Rule A Jr [9]+ 688-4456
B Not Verified
1118Ⓝ Aleman Anne H 682-3186
Talarowski Joseph W [8] ♠ 682-3186
1200 Dickerson Ernest J Jr & Mollie [9]+ ♠ 688-3717

+GREEN ST INTERSECTS

1201 Evans William R & Dorothy [9]+ ♠ 682-7227
1202Ⓝ Parks H 687-4286
Parks Demaris H 687-4286
1203Ⓝ Kirkman Iria 688-1959
1204 Not Verified
1205 Woodhouse Scott M & Andrea [2] ♠ 687-7871
1206 Bailey Catherine S [6]
1207Ⓝ Arles Stephen 687-0739
1208Ⓝ Peacock Myrick L & Brenda 956-9784
1209Ⓝ Austin Jennifer M
1212 Not Verified

+DEMERIUS ST INTERSECTS

1302 A1 PLUMBING & PUMP SERVICE
plumb-htg-a/c 688-5123
McNeilly Andrew J [6] 956-9995
McNeilly Kimberly L 956-9995
1304 Brewington Germaine F [9]+ ♠ 688-9170
1306 Neese Jeffery C [9]+ ♠ 682-3311
Neese Jerri C 682-3311
1308 Sumner Braudie B [5] ♠ 683-1782
1309 Garrity Marie L [4] ♠ 682-0551
Garrity Marnie L 682-0551
Ⓝ Steeves Rick 682-0551
1311Ⓝ Morgenstern Geri A

· ZIP CODE 27701 CAR-RT C005

1400 Fullbright Paul W [2] 688-7488

+W KNOX ST INTERSECTS

1401Ⓝ Meadows Michael
Meadows Maurice
1403 Not Verified
1404 Wisthe Robert W [7] ♠ 682-3785
1405 Speight Dale R [3] 688-4069
Speight Colette S 688-4069

N DUKE ST *cont'd*

1406 Beavers Rosa L [9]+ ♠ 682-0719
Beavers Robert I 682-0719
1407 Satterfield Barbara C [9]+ ♠
1409 Smith Ann V [2] 682-1195
1410 Porter Pauline B [9]+ ♠
1411 Carinder Jude E & Cathy [9]+ ♠ 687-0928
1412 Boone Richard K & Jennifer [8] ♠ 688-5577
1413 Letzing Joseph A & Pauline [9]+ ♠ 682-8788
1414Ⓝ Smith William L 682-1397
1415 Montague Katherine L [9]+ ♠ 662-6267
1416Ⓝ Aleby Darline
1417 Not Verified
1418Ⓝ Burs C L 688-5881
Ⓝ Oliphant A 688-5881
1419 Smith Terry J & Barbara [9]+ ♠ 686-4666
1421 Rogers Lee C & Robin [8] ♠ 682-4454
1422 Merrick Sandra E [4]
1423 Mousmoules Estelle M [9]+ ♠ 682-8835
Mousmoules Andrew D 682-8835

· ZIP CODE 27701 CAR-RT C006

1500 Not Verified

+ENGLEWOOD AVE INTERSECTS

1501 Not Verified
1502Ⓝ Schick William T 683-6153
1504 Pettiford Veronica D [9]+ ♠ 683-2767
1505Ⓝ Campbell Johnny L Jr
Campbell Melisa A
Ⓝ Olausen Kurt R & Carolann 687-7018
1506 Darragh Patricia M [8] ♠
1507 Sellers Samuel L Jr [9]+ ♠
Sellers Bertha R
1509 Not Verified
1510 Evans Shelly J [6]
Evans Kelly A
1511 Holmes Ellison R [9]+ ♠ 688-6058
Holmes Charlotte T 688-6058
1512 Yearby Norman L & Carrie [9]+ ♠ 682-9524
1514Ⓝ Lamm Stephanie A ♠ 682-9888
Lamm Gregory W 682-9888
Ⓝ Max Connie
1515 Lumley Gerrard B & Rena [9]+ ♠ 682-4757
1516Ⓝ Henderson Edward C 687-7085
1517 Not Verified
1518 Foree Audra R [2]
1521Ⓝ Holloway Martha H 682-9477

+W CLUB BLVD INTERSECTS

1610Ⓝ Moser B A 688-6036
1611 Not Verified
1614 Bowden David L [9]+ ♠
Bowden Marjorie H
1618 Forthofer Lenore R [9]+
1620 Karpathian George & Bettina [9]+ ♠ 688-4977
1622 Smith Colette S [2] 956-7141
B Woody Sonya L [5]
1624Ⓝ Conklin K J 682-2007
Nolen Karen A [7] 682-6117
1652 A CORPORATE JET'S air trans nonsched 681-4506

+N GREGSON ST ENDS

· ZIP CODE 27704 CAR-RT C004

2000 Mitchell Walker D Jr & Nadeen [9]+ ♠ 220-8386
2001 Vaughan Newman H & Latelle [9]+ ♠ 220-8451
2002 Parrish Marie C [9]+ ♠
2003 Harper Jerry L [9]+ ♠ 220-8133
Harper Janice A 220-8133
2005 Chalmers Alda P [9]+ ♠
Chalmers Tammy G
2006 Smith Martha L [9]+ ♠
2007 Walton Anne H [3]
2008Ⓝ Lewis Yvette 317-1697
2009 Holman Rev Andrew J Sr [9]+ ♠
2010 Brame Dorothy M [8] 220-8225
Brame William H 220-8225
2011 Binger Penny T [2]
2012 Quinn L [3] 220-1576
2016Ⓝ Green R F 220-8145
2100 Palmer Jack R [9]+ ♠ 220-8144
Palmer Hattie D 220-8144
2104 Low Christopher R [3]
Low Donna M
2106 Clark James C Jr & Dorothy [9]+ ♠ 220-6224
2108 Blackwelder Gloria C [9]+ ♠ 220-8137
2109 CHRIST EVANGELICAL LUTHERAN CHURCH religious orgs 220-6104

Details For:	Year	Source	TP	Adjoining
N DUKE ST	1997	The Polk Co. City Directories	-	X

"Your Interests Are Always Protected"
UNION INSURANCE & REALTY CO.
• REAL ESTATE SALES • PROPERTY MANAGEMENT • INSURANCE
2515 Apex Hwy. (27713) 596-8102

THOMERSON ELECTRIC INC.
Dena B. Thomerson - Roger J. Thomerson
L. Sidney Thomerson - Frank Horner
(919) 688-6176
3128 E. Geer Street 800-890-6841 - FAX (919) 956-9939 Durham, NC 27704

GATEWOOD DR *cont'd*
5018 Not Verified
5019 Cureton Julia A [9]+ ☗ 471-2116
5025 Matthews Thomas P Jr & Joanne [9]+ ☗ 477-3015
5026 Chaney Brenda G [9]+ ☗ 477-1404
Chaney Caroline L 477-1404
5027 Baus Joellen E [6] ☗ 471-8552
5028 Quillin Stephen G & Sylvia [9]+ ☗
5029 Burton Merle W [9]+ ☗ 477-3354
Burton Billie M 477-3354
BURTON MERLE W dwlg oprs. 477-3354
5032 Coleman Luther J Jr & Barbara [9]+ ☗ 477-4158
5033 Rowe Felix A & Edith [9]+ ☗ ... 477-5405
5036 Brooks Henry C & Carol [9]+ ☗ 477-6703
5037 Blalock John N & Donna [7] ☗ 471-9438
5040 Pipkin Carolyn H [9]+ ☗ 471-8747
Pipkin Kimberly D 471-8747
5041Ⓝ Ortega Raimundo J
Ortega Yvette P
5104 Penny Raymond L [4] ☗
Penny Deborah H
+ ***CASSANDRA DR INTERSECTS***
5105 Myrick Maynard W [9]+ ☗ 477-2428
Myrick Bobbie G 477-2428
5108 Williams Norman R & Mary [9]+ ☗ 477-6733
5111 Craig Kathleen A [3] ☗ 477-8838
5112 Kimball Ronald A & Marsha [4] ☗ 471-1017
Ⓝ Parker Michael K
Parker Karon K
5121 King Pamela A [9]+ ☗ 477-2499
5125 Sullivan Frederick L & Saralee [9]+ ☗ 471-6862
5128 Wells Billy E & Marian [9]+ ☗ . 471-4543
5129 Samson Reeves H [9]+ ☗ 479-2030
Samson Carmela P 479-2030
5130Ⓝ Baucom Billy K Jr ☗
Baucom Martha M
5134Ⓝ Metcalf Mary A ☗
Metcalf Kirk T
BUSINESSES 2 HOUSEHOLDS 32

GATLIN CT (DURHAM)-FROM 3975 KELLY DR NORTHWEST
· **ZIP CODE 27707 CAR-RT C031**
1 Miller Margaret L [6] ☗ 489-7528
Miller Gustavus H 489-7528
Pitts William T [6] ☗ 489-7528
2 Greenberg Robin J [9]+ ☗ 493-7223
5 Jessup Alan T & Dianna [6] ☗ 493-8785
6 Keyssar Alexander [4] ☗ 490-5917
9 Toler William S [9]+ ☗ 493-2070
Toler Marie R 493-2070
10 Farrin Bailey J [7] ☗ 403-2061
Farrin James S Jr 403-2061
11 Powell Stephanie C [5]+ ☗ 490-0967
Powell John R 490-0967
12 Brown Frederick C [8] ☗ 489-0013
Brown Jeanine A 489-0013
13 Small Edwards S & Barbara [9]+ ☗ 490-5119
15 Luzzio Michael J & Patricia [8] ☗
HOUSEHOLDS 11

GATTIS ST (DURHAM)-FROM 1027 MAXWELL AVE SOUTH
· **ZIP CODE 27701 CAR-RT C010**
204 Not Verified
403 Holt-Fuller Evelyn [2]
Ⓝ Steenberg B 956-7075
405 A McWilliams William C [3] 680-4003
407 Herron Oliver W & Shirley [9]+
A Ⓝ Burt Lillian D
A Burt Leslie A
B Harding Shirley A [5] 688-7947
B Harding Kia F 688-7947
+ ***WILKERSON AVE INTERSECTS***
502 Fish Jane C [3]
504Ⓝ Robert J K 956-6480
506 Eckert Mark S [2] ☗ 956-7343
Eckert Marian T 956-7343
Ⓝ Erdheim G 956-7343
507 Dark Alease [9]+ ☗ 687-4966

GATTIS ST *cont'd*
Dark Herbert 687-4966
509Ⓝ Fox Angelene P ☗ 687-2991
510 Dixon Christopher G [3] ☗ 688-3600
511 George Tina M [5]
+ ***BURCH AVE INTERSECTS***
602Ⓝ Ray Thelma M 489-0101
604Ⓝ Hoochman Lucy C
606 Brown Babs [7] 490-1526
Harris Lucy F [5]
607 Green Lynn C [5]
608Ⓝ Brown Mamie M
612 Harris Redell [2] ☗ 403-2973
Harris Retha B 403-2973
+ ***EXUM ST INTERSECTS***
614 Stokes Raymond E & Edna [8] ☗
+ ***W CHAPEL HILL ST INTERSECTS***
+ ***KENT ST BEGINS***
+ ***JACKSON ST INTERSECTS***
· **ZIP CODE 27701 CAR-RT C011**
802 Terrell Elizabeth E [9]+ ☗
805Ⓝ Jackson Almetrus 403-0110
Johnson Steve A [4] ☗
Johnson Joseph H
806 8 Not Verified
807 Not Verified
808Ⓝ Pereira Rene 490-1034
B Not Verified
812-813 Not Verified (2 Hses)
815Ⓝ Alvarez Alfredo
Alvarez Maryo
817-819 Not Verified (2 Hses)
HOUSEHOLDS 35

GATTIS STREET EXT (DURHAM)-
· **ZIP CODE 27710 CAR-RT C000**
DUKE UNIVERSITY LAUNDRY SERVICES Indus Indrers 664-3057
BUSINESSES 1

GEARWOOD AVE (DURHAM)-FROM 799 CANAL ST NORTH
· **ZIP CODE 27701 CAR-RT C031**
1101 Boone James D Jr & Estelle [5] ☗ 682-8650
1102 B Clayton Wayne S [2]
B Clayton Teresa C
1103 Miller Frances S [4]
1105Ⓝ Sims Dorothy 956-7571
+ ***GRAY AVE INTERSECTS***
1205 Harris Lee E Jr [9]+ ☗
Harris Alma T
1206 1207 B-A Not Verified (2 Apts)
1208 Gibson John C & Cora [9]+ 688-6486
A Not Verified
1209 Jones Muser M [9]+ ☗ 682-6562
Jones Isaac 682-6562
1210Ⓝ Gibson Antonio 688-7862
Ⓝ Joyner Mary E
A Not Verified
+ ***DOWD ST INTERSECTS***
+ ***DREW ST INTERSECTS***
+ ***LYRIC ST INTERSECTS***
1401 Not Verified
1402Ⓝ Boyd Nathaniel
Boyd Betty D
Davenport Antonio N [8]
1403 A Not Verified
1405Ⓝ Thorpe Deborah D
A Not Verified
1406 Herbert Jimmie L [5] 687-0827
1407 B Not Verified
1409 A Watkins Chip [3] 687-7730
A Watkins Henry C Jr 687-7730
1410 Pearsall F D [9]+ ☗ 688-4998
1411 Suitt Mary A [9]+ ☗ 682-0539
Suitt Clyde L 682-0539
1412 Spearman Sharon A [2] 688-1335
1414 Suitt Sharon D [9]+ ☗
Suitt Andrea L
1416Ⓝ Francis Vaughan K 687-4249
Ⓝ Francis Vaughan K 688-7184
Ⓝ Francis-Vaughan K ☗ 687-4249
Ⓝ Holley Nofarlk 687-4249
+ ***E GEER ST INTERSECTS***
+ ***ROSETTA DR BEGINS***
HOUSEHOLDS 30

E GEER ST (DURHAM)-FROM 902 N MANGUM ST EAST
· **ZIP CODE 27701 CAR-RT C031**
100 Not Verified
+ ***W GEER ST BEGINS***
110 1-3 Not Verified (3 Apts)
+ ***N ROXBORO ST INTERSECTS***
205Ⓝ Lewis Sheila 682-9545
206Ⓝ Menser Katie F
Menser Jacob
B Malachi Stacie M [2]
B Malachi Blaine
207 Alston Jesse J Jr [5] ☗
208 A Pegram Larry D [2]
B Patrick Rosalyn R [2] 688-1554
209Ⓝ McCrae Stacey 682-0051
212 Teasley Betty C [6]
Teasley Kenya R
213 Harris Ben E [9]+ 688-6974
Harris Hannah C 688-6974
214 Nobel Dorothy H [5] 688-3335
Ⓝ Noble Dorothy 688-3335
+ ***GURLEY ST ENDS***
+ ***N ELIZABETH ST INTERSECTS***
303 Not Verified
304Ⓝ Winston Williams L 956-7168
Winstonwilliams Lenore [2] 956-7168
305 Not Verified
306Ⓝ Hawley Bennie L
308 Holloway Freeman R [3]
Holloway Nellie H
331 J Not Verified
+ ***GEARWOOD AVE ENDS***
+ ***ROSETTA DR BEGINS***
408 Lloyd Gertha L [9]+ ☗ 682-4977
Lloyd Paul A 682-4977
408 Roland Elva L [9]+ ☗ 682-8806
409Ⓝ Osuoril Delores 956-8435
410 Not Verified
411 Reese Willie E III [9]+ ☗ 682-1681
412-414 Not Verified (3 Hses)
415 B McCullough Hattie J [8]
416 A-B Not Verified (2 Apts)
R Howell Lisa A [4]
417 A Robinson Tennis [3] 882-5935
A Robinson Alma 682-5935
B Holmes Juanita [2]
418 Bond Vivian V [6] 688-5443
A Vivian Bond [3]
B-D Not Verified (2 Apts)
419 A Reed Patricia J [8] 682-8299
A Reed Anthony 682-8299
B Cotten Nadia M [5]
422Ⓝ Teasley Lavonia R
A Green Phyllis [2]
A Green Vidal
C Not Verified
+ ***N ALSTON AVE INTERSECTS***
500Ⓝ Davis Cassandra M 682-7554
501 Hawkins Annie V [2] ☗
Hawkins James R
503 Brown Arthur L & Juanita [9]+ ☗
504 Purefoy N & Denise [9]+ ☗ 683-8770
505 Not Verified
506 King David H [4]
King Darlene T
507 Not Verified
508 Freeman Marrell A [2] ☗
Freeman Glenda
509Ⓝ Silva Tonya
510 Not Verified
511 Brown Michael W [9]+ ☗ 687-4468
Brown Westra B 687-4468
512 Whitlow Donald L [9]+ ☗
Whitlow Azar A
513 Giles Michael L [9]+ ☗ 688-6760
Giles Jessie P 688-6760
514 Kearney Nora A [4] ☗
517 Bailey Ruthie [3] 682-1757
Bailey Carl C 682-1757
520Ⓝ Quick Quinton 688-0103
Thomas Bernard L [3]
522 Not Verified
523 Caudle Shiloh [2] 956-5530
Caudle Solomon M 956-5530
Nobles Shiloh A [2] ☗

Who Sells It?
Is Answered by the Classified Business Lists in this Directory

Details For:	Year	Source	TP	Adjoining
GEER/W GEER ST	1997	The Polk Co. City Directories	-	X

E GEER ST *cont'd*

3232 Riddle Stacy A [9]+ 688-4556
Riddle Barbara C 688-4556
3233 Yow Russell L & Pamela [7] 682-4088
3237 Jeffries Ernie [7] ♠
Jeffries James E
+JEFFRIES RD BEGINS
+BURTON RD ENDS
3239 Cooley Otha C Jr [9]+ ♠ 683-2554
3240 Oakley Gerald W Jr [8] 688-4929
Oakley Sharron W 688-4929
Watson Bobby D Jr [4]
3307 Wheeler Timothy R & Sheree [9]+ ♠ 682-8471
3308 Tilley Wayne [5] ♠ 683-2111
Tilley Donald W 683-2111
3314 Roberts Luther D [9]+ ♠ 956-7161
Roberts Sheila C 956-7161
3315 GORMAN BAPTIST CHURCH religious orgs 688-3947
GORMAN KINDER KARE CENTER child day care svcs 682-0867
+COOKSBURY DR ENDS
+GOOCH RD BEGINS
3500 Gregory Charles D [5] 683-2710
Gregory Karen A 683-2710
3508 GREGORY'S HOME REPAIRS rfng sdng sht mtl 683-1448
3514 Ⓝ Gregory Samuel J & Kimberly ♠
3518 Taylor Medeline T [9]+ 688-7238
3602 Brogden Christine G [9]+ ♠ 688-7983
3605 Byrd Joseph E [9]+ ♠ 682-1786
Byrd Gertrude T 682-1766
3606 Freeman Frances E & Archie [9]+ ♠ 682-0932
3611 Morris Buddy [9]+ ♠ 688-4632
Morris William A 688-4632
3612 Sewell Norwood D & Fay [9]+ ♠ 688-6571
3615 Harris Roy B Jr [9]+ ♠ 688-9020
3618 Veasey Robert L [9]+ ♠ 682-8938
Veasey Ina M 682-8938
3633 Cogwell Emily T [9]+ 688-9111
Cogwell William H 688-9111
3700 Not Verified
3702 Evans Shephard G [5] 687-0915
Evans Brenda L 687-0915
3708 Chambers James T [9]+
Chambers Annie M
3716 Ⓝ Drew Hunter 688-8865
Drew Mattie 688-8865
3727 Not Verified
3728 Evans Michael D & Denise [9]+ ♠ 682-7162
3729 Mims Robert L Jr [9]+
Mims Pauline W
3732 Ⓝ Hayes Evangeline 682-4532
Wilson Johnny Sr & Mary [9]+ ♠ 956-9601
A-D Not Verified (4 Apts)
3734 Brandon Clarence G Jr & Bernice [9]+ ♠ 682-8601
3753 Wall Steven B & Tonya [7] ♠ .. 682-2974
3756 Stepto David E & Judy [9]+ ♠ 682-9428
3803 Pope William T [4] 688-7952
Pope Diana D 688-7952
+GORMAN CHURCH RD ENDS
3808 Geddings Ardis E [7] ♠ 956-8917
Geddings Gwendolyn L 956-8917
3815 Blackman Dalton R Jr [9]+ ♠ .. 688-8766
Blackman Megan 688-8766
+BROUGHTON DR BEGINS
3821 Emory Ralph L Jr [9]+ ♠ 956-7270
Emory Sheryll A 956-7270
+EMORYFIELD PL BEGINS
3904 Ⓝ Wall Carla R 688-4348
3905 Not Verified
3927 Rambeaut Lisa J [5] 683-2729
Rambeaut Jay G 683-2729
4016 Not Verified
4044 Ⓝ Obriant Rex C
4047 Not Verified
4048 Green Annie B [9]+ 688-7731
4049 Currin Tommy M [4] 682-7407
Taylor James H & Gayle [9]+ 688-4159
4051 Murrey S W [5] 683-1816
4206 Not Verified
4207 Hamilton Laura L [8] ♠
4208 Boyette William E [9]+ 682-4496
4211 Veasey William S [9]+ ♠ 682-5556
Veasey Deborah R 682-5556
4212 Ⓝ Carden Annette M
Carden Michael E
4214 Compton Kelli J [8] ♠

E GEER ST *cont'd*

Williams Wendell C [9]+ ♠ 682-7778
Williams Kelli C 682-7778
4215 Veasey Tom [9]+ ♠ 688-2797
Veasey Joann T 688-2797
4216 Not Verified
4218 Price Ervin L [9]+ ♠
Price Helen M
4220 Not Verified
4224 BUD'S MOBILE WASH spcl trd cntrs 682-3271
Critcher Earlie J Jr [8] ♠
Critcher Jodie R
Webb Margaret I [8]
Webb Thad J Jr
4228 Garner Tommy E Jr [7] 682-3538
4229 Ⓝ Padgett E L 682-7055
Robbins Donald P & Patricia [9]+ ♠ 682-7055
+REDWOOD RD INTERSECTS
4305 Teasley Donald R Jr [9]+ ♠ 688-3736
Teasley Linda P 688-3736
+SKY LANE DR BEGINS
4340 Not Verified
BUSINESSES 93 HOUSEHOLDS 372

W GEER ST (DURHAM)-FROM 902 N MANGUM ST WEST
+E GEER ST BEGINS
· ZIP CODE 27701 CAR-RT C007
106 Baker Donald L & Sharon [9]+ ♠
107 Peterson Lucille [3]
Peterson Bonita A
108 Caesar Jimmie A [8]
Caesar Ausinea L
109 Kimble Leo [9]+
Kimble Annie M
110 Price Anne C & Eddia [9]+ ♠
111 Liles Pearleana [2] 687-0079
Liles Michael 687-0079
200 Ⓝ Lewis L 683-8677
A Motley James B [2]
A Motley Delores L
B Not Verified
+GLENDALE AVE INTERSECTS
201 Brister Lula I [9]+ 682-8759
Ⓝ Marshman Sidney 687-4799
Ⓝ Moss Flossia 688-8171
204 Holeman Lavett J [4]
Holaman Patricia P
B Not Verified
C Woods Earl D [7] 682-0810
C Woods Carolyn M 682-0810
D Not Verified
207 Williams John T & Peggy [9]+ ♠ 688-4585
208 Martin Leroy E [9]+ ♠
Martin Fannie B
209 Ⓝ Watkins Sandra C
210 Ⓝ Davis Reginald 688-0398
McKean Terry A [2] 687-0868
R5 Bowden Edna M [2] ♠
211 Bailey Johnnie H [8]
Bailey Sharon
Ⓝ Holeman Clinton
212 Ⓝ O' Neal Tavares 956-8628
Ⓝ Oneal Tavares 956-8628
Oneal Deloris 956-8628
B Not Verified
213 Pullin Mary J [9]+ 682-6669
214 Burnette Norman E [9]+ 682-3479
A Not Verified
215 Rives Annie L [7] 683-2080
Rives Fannie 683-2080
216 Ⓝ Mejia Jose R 680-2220
A-B Not Verified (2 Apts)
217 Ⓝ Blanchard Samuel C ♠
Ⓝ Moore Charles 683-2048
1 Wilson Ernie J [5]
2 Not Verified
218 Brown Karen [9]+ 688-4247
219 Ⓝ Caldwell Inell C
1 Ⓝ Moye William A
1 Moye Bonita R
2 Curry Demetrius D [2] 956-7857
2 Curry Genell R 956-7857
3 Terrell Patricia A [4]
4-5 Not Verified (2 Apts)
220 Ⓝ Dandy C L
+NORTH ST INTERSECTS
301 Hamilton Trecie [8] 958-8949
Ⓝ Jerome Stephen 682-4783
1-2 Not Verified (2 Apts)
3 Ⓝ Jacobs Victor E 687-2734

W GEER ST *cont'd*

4 Not Verified
303 Ⓝ Lee Geneva 688-8429
305 3-2 Not Verified (3 Apts)
307 Ⓝ Haynes Sharon D 956-9846
309 1-2 Not Verified (3 Apts)
3 Jones Ronnie L [3]
3 Jones Donnie L
4 Not Verified
+MADISON ST ENDS
319 MIKE'S TRANSMISSION SERVICE auto trans rpr 682-7591
321 Not Verified
324 Gillis Joel K [4]
THRIFTY OFFICE FURNITURE furniture stores 688-4738
326 CUSTOM MECHANICAL plumb-htg-a/c 687-7603
+RIGSBEE AVE ENDS
408 HUTCHIN'S AUTO SUPPLY COMPANY mtr vhcl spls prts 682-9101
+FOSTER ST INTERSECTS
+WASHINGTON ST INTERSECTS
BUSINESSES 4 HOUSEHOLDS 64

GENESEE DR (DURHAM)-FROM 1399 WORLAND CT
· ZIP CODE 27712 CAR-RT C005
5501 Hotelling William E & Virginia [9]+ ♠ 477-4955
5502 Packard Tabitha J [3] ♠ 471-3901
5507 Hammond William E III [3] ♠
Hammond Lee E
5510 Lucas Robert W & Catherine [5] ♠ 471-4052
Powell Rebecca L [5]
5511 Ⓝ Landowski Brian H ♠
5515 Coleman Anthony L & Kathryn [9]+ ♠ 477-6232
5516 Ⓝ Flanegan Neal E
Ⓝ Heeg Jennifer 471-7038
Ⓝ Hugh George 471-7038
Ⓝ Winden Mark A 471-7038
5519 Walker Clayton M [9]+ ♠ 471-4003
Walker Betty C 471-4003
5525 Terterian Viken [5] ♠ 477-6242
Terterian Pamela D 477-6242
5604 Carlson Judy E [9]+ ♠ 477-1238
Carlson Hope S 477-1238
5608 Williams Dwayne B & Annette [7] ♠ 471-0407
5610 Peele Bobby R [9]+ ♠ 479-0075
5612 Blackard Charles G [9]+ ♠ 477-6273
+BRAMBLE DR INTERSECTS
5700 Guzman Peter J & Margaret [3] ♠
5704 Bubar John R & Kathleen [8] ♠ 477-1475
5709 Hand Joel W III [2] ♠ 479-1571
Hand Deborah H 479-1571
5716 Joseph Michael C [9]+ ♠
PRACTICAL INFORMATION RESOURCES data proc 479-0940
Salvi Serojini D [9]+ ♠
5719 Jones Winford S Jr [9]+ ♠ 471-2150
Jones Jennifer C 471-2150
5720 KRICHCO CONSTRUCTION sngl-fam hsng cnstr 477-2300
Krichman Andrew C & Abigail [9]+ ♠ 471-6904
+BARLIFF PL BEGINS
5800 Johnson Cecil L Jr [6] ♠ 479-5154
Johnson Larry 479-5154
5801 CREATIVE JOB RESOURCES job trnng rltd svc 479-4774
Weeks John R & Antonia [6] ♠ . 477-2242
5804 Bowling James K [9]+ ♠ 471-4625
Bowling Virginia G 471-4625
5805 Guile Keith S [9]+ ♠ 479-3049
Guile Margaret P 479-3049
+COTHERSTONE DR INTERSECTS
BUSINESSES 3 HOUSEHOLDS 28

GENEVA CT (DURHAM)-FROM 5275 TAHOE DR NORTHWEST
+CASPIAN CT BEGINS
· ZIP CODE 27713 CAR-RT R020
2 Ⓝ Huston Stanley M
Sidler Angela K [2]
Sidler Cheryl J
5 Hewlin Eddie G [9]+ ♠
Hewlin Judy G
6 Rao Katikineni M [9]+ ♠ 544-4383
Rao Sheela K 544-4383
7 Helms David S & Jeanne [9]+ ♠ .. 544-6227

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UNION INSURANCE & REALTY CO.
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2515 Apex Hwy. (27713) 596-8102

HARDWOOD LN *cont'd*
Tillotson Andrea F [6] ☗
Tillotson Danny G
2417Ⓝ Koenig Donald D ☗
Koenig Lori J
2501 Tucker Eric S [9]+ ☗ 477-8901
Tucker Frances R 477-8901
2502 Mursten Mark A & Kathleen [9]+ ☗
..... 471-6141
2503Ⓝ Gaither Cheryl 644-2055
Ⓝ Gaither David 644-2055
2505 Bernhardt Ellen R [9]+ 471-8168
2506 Johnson Alisha R [2]
Johnson Courtney K
2510 Hill Michael D [9]+ ☗ 471-3342
Hill Michael R 471-3342
2516 Rogers Steven E & Lisa [9]+ ☗
2519Ⓝ Cleckner Dennis E 471-0014
2520 Areford Calvin E [3]
Ladd Debra W [9]+ ☗ 471-6846
2525Ⓝ Talbot G T 471-2669
2526 Butler Kevin H & Tammy [6] ☗
..... 471-4919
+ ***BUSHMILL CT BEGINS***
+ ***FINCHLEY CT BEGINS***
+ ***CAIN CREEK CT BEGINS***
2710Ⓝ Kumar Sumintra
2722 Warren David J [2]
Warren Laura C
BUSINESSES 1 HOUSEHOLDS 21

HARGROVE ST (DURHAM)-FROM 1002 GLENDALE AVE WEST
· ZIP CODE 27701 CAR-RT C007
209 Jones Geneva J [9]+ 688-1042
211 Not Verified
213 Alston Gloria J [3]
A Turrentine Robert A [2]
B-R Not Verified (2 Apts)
214 Hester Jessie L Jr [9]+ ☗
Hester Jesse L Sr
215 Watson Robert L [3]
217 Not Verified
218 Harris Eric A [5]
219 Hunter Ralph R [9]+ ☗
Hunter Cora S
220 A Stratten Christopher [3]
+ ***BAY ST BEGINS***
+ ***NORTH ST INTERSECTS***
HOUSEHOLDS 12

HARMONY RD (DURHAM)-FROM 1955 COOK RD WEST
· ZIP CODE 27713 CAR-RT C011
600 Bennett Charles D [2] 405-2243
707 Williams Robert L II [9]+ ☗ 544-2542
708 Mayo Jackson & Feye [9]+ ☗ 484-8383
716 McLaurin Polly L [9]+
McLaurin Doris F
729 Not Verified
807 Rogers Freddie L & Denise [9]+ ☗
906 Jones James D Jr [4] ☗ 361-0551
910 Snipes James O [9]+ ☗
Snipes Stclair C
914 Not Verified
915 Belser Willie [6] ☗
+ ***ARDMORE DR INTERSECTS***
HOUSEHOLDS 10

HARNETT ST (DURHAM)-FROM 2305 E PETTIGREW ST SOUTH
· ZIP CODE 27703 CAR-RT C001
507-513 Not Verified (3 Hses)
515 Shaw Sullar M [7] ☗ 596-9673
+ ***BOWEN ST CONTINUES***
HOUSEHOLDS 4

HAROLD DR (DURHAM)-FROM 6399 DELLO ST WEST
· ZIP CODE 27712 CAR-RT C001
705 Dunnagan Kermit E Jr [9]+ ☗ ... 477-4932
Dunnagan Susan W 477-4932
709 Curtin Sandy A & Daniel [9]+ ☗
712 Arumi Fernando J Jr [4] ☗
713 Callender Sandra M [5] ☗
716 Brown William B & Ruby [9]+ ☗
720 Stone Sylvester Jr [9]+ ☗

HAROLD DR *cont'd*
Stone Deann M
724 Sykes Betty R [9]+ ☗ 471-6579
725 Ellis Dorothy W [9]+ ☗ 471-1180
728 Wilkins James H [9]+ ☗ 471-9573
Wilkins Barbara R 471-9573
729 Kornegay Kathy L [9]+ ☗ 471-9327
Kornegay Mark C 471-9327
735 Browning Carole H [9]+ ☗ 477-5677
Browning Allen F 477-5677
737Ⓝ Revis Sendra 479-4346
+ ***WHITT RD INTERSECTS***
HOUSEHOLDS 12

HAROLD KEEN CT (DURHAM)-FROM 481 GUY WALKER WAY NORTHEAST
· ZIP CODE 27703 CAR-RT C005
1 Evoniuk Gary E & Melony [7] ☗ ... 598-5304
+ ***ALLEN MOORE CT BEGINS***
2 Hayes Alphonso R [9]+ ☗ 598-2577
Hayes Alene P 598-2577
3 CAPITAL ADVISORS investment advice
..... 596-8420
Jones Roland S Jr [9]+ ☗ 596-5510
Nguyen Ngoc T [9]+ ☗
4 Clagg Connie S [3]
McDaniel Russell K & Margie [9]+ ☗
..... 596-1869
6 Not Verified
BUSINESSES 1 HOUSEHOLDS 7

HARPER PL (DURHAM)-FROM 602 N DUKE ST NORTHEAST
+ ***MONMOUTH AVE INTERSECTS***
· ZIP CODE 27701 CAR-RT C003
803 Bennett Vera D [4]
Guess Ben L [7]
Ⓝ White Willie N
White Josephine C
605Ⓝ Anderson Rochelle 687-4629
807 Buchanan Robert W Sr & Alice [4]
..... 680-2122
611Ⓝ McNair Segrid D
813 Green Phylliss R [4]
Green Albertha P
+ ***DACIAN AVE INTERSECTS***
HOUSEHOLDS 7

HARRIER CT (DURHAM)-
· ZIP CODE 27713 CAR-RT R014
200Ⓝ Wells Nathaniel O 544-9085
202Ⓝ Pauerova Marcele
204Ⓝ Hoog Jennifer M
206 McMinn Micheal A & Sandre [4] ☗
..... 484-8337
301 Hegar Darrell E & Kathleen [4] ☗
303 Jefferson Richard R [2] 572-9535
Ⓝ Rosenfeld Laura 572-9535
305Ⓝ Mahoney Mark D
305 Not Verified
307Ⓝ Engel Deborah E
Engel Kent L
Ⓝ McConnell Gina 544-5474
400 Mitsuda Mahoko [2]
Mitsuda Noriaki
402Ⓝ Newkirk Natasha M
404 Not Verified
501Ⓝ Stallworth Diane L
Wallace Jacqueline [3] 361-5952
Wallace Muhammed J 361-5952
503Ⓝ Valdivieso Marcelo 361-3520
505 Sanabia Edwin H [9]+ ☗ 361-9773
Sanabia Loura A 361-9773
507Ⓝ Thomas Bruce 544-6453
600Ⓝ Wessman Lori 381-0618
602 Schreiber Celia A [9]+ ☗
604 Ott James L & Sharlotte [5] ☗ .. 572-0721
701 Ardary Barbara A [2] ☗ 361-3419
703Ⓝ Cheek Diane 572-9617
Scharff Anne V [2] 572-9617
Ⓝ Sneed Christine 572-9617
707 Allen Charles S Jr [3] ☗ 544-2840
Allen Helen 544-2840
800Ⓝ Ross David 361-0058
802Ⓝ Nikcevich Daniel A 544-6345
804Ⓝ Wixon Therese K
806Ⓝ McGinley J 572-9428

HARRIER CT *cont'd*
806 Not Verified
901 Armstrong Adam I Sr [3] 361-0955
903Ⓝ Capps Jennifer 361-9462
Ⓝ Corsi Michael A
Ⓝ Kroutil Larry A
905 Harris Michael D [5] ☗ 572-0150
Harris Anna M 572-0150
1000 Lo Chao Y [2] 572-2939
1002 Ratanaphruks Krich [2]
Ratanaphruks Crich
1004 Deserres Barbara E [4] ☗ 572-2634
1006Ⓝ Perkins Melissa G
1101Ⓝ McFarland Evelyn S
Ⓝ Noble V 572-2736
Ⓝ Omeera Christine A
1103 Not Verified
1105Ⓝ Putjenter Jacqualine R
1107Ⓝ Daniel D B 544-6268
1109 Christian Jeffrey K [2] 572-2781
1111Ⓝ Perryman Brett S 361-2460
Perrymen Jonathan R 361-2460
1200 Johnson Berry L Jr [5] 484-8146
Johnson Traci C 484-8146
1202 Galbraith James A & Catherine [2]
..... 361-3686
1204Ⓝ Townsend Veronica
1206 Rozenski Marek D [5] 572-2420
Rozanski Kimberly R 572-2420
1208Ⓝ Cooper Steve 572-2947
Peterman Todd E [2]
Peterman Christin D
1301Ⓝ Hauck Bryan 544-2640
Ⓝ Langlois Patsy H
Langlois Jason V
1303 Garcia Carlos [3] 361-4786
Garcia Kelly J 361-4786
1305 Hamlett Tammy G [3]
Hemlett Erwin C
1307Ⓝ Augustine K L 572-0079
Ⓝ Glasgow Lara A 572-0079
1309Ⓝ Alford Nicole 544-2356
Ⓝ Cahoon Ashley M 544-2356
1311Ⓝ Wells Gillian N
1400 Alpern Stacy R [2] ☗ 572-2414
1402 Kron Julia [2] 572-2772
Kron Allison M 572-2772
1404Ⓝ Rath Shelley 484-8424
1406Ⓝ Rooke Ben 572-2620
1408Ⓝ Blacker N 572-2366
1501Ⓝ Burchfield Eric 572-2811
Lewellyn Dariele L [2]
1503Ⓝ Hess Anita 361-3411
Ⓝ Kesti Wayne M
Ⓝ Peterson Margaret G
Peterson Angela F
1505Ⓝ Anderson David 572-2426
Ⓝ Ault Misti M 572-2426
HOUSEHOLDS 76

HARRIGAN CT (DURHAM)-FROM 1515 GLASGOW ST NORTH
· ZIP CODE 27705 CAR-RT C003
6 Eakes Clifton B [3] ☗ 479-4806
Eakes Jennifer M 479-4806
7Ⓝ Gidney Yolanda L
Riner Ronald K [4] ☗ 479-0269
Riner Yo G 479-0269
8Ⓝ Battle Love J 477-4421
9 Not Verified
HOUSEHOLDS 5

HARRIMAN DR (DURHAM)-FROM 3200 RIDGE RD NORTHWEST
· ZIP CODE 27705 CAR-RT C027
2803 Cain James D & Sheila [2] ☗ .. 403-3569
Ⓝ Hardaway-Cain Sheila M
2900Ⓝ Mulero Luz A
+ ***CROMWELL RD BEGINS***
2905 Schmid Ronald J & Jean [9]+ ☗
..... 493-1517
2909 Aitken Rev Paul W & Ruth [9]+ ☗
..... 489-5491
2913 Mitchell Gary E & Carolyn [9]+ ☗
..... 489-5320
2918 Diehl Wallace J & Jane [9]+ ☗ 490-3093
3000 Not Verified

THOMERSON ELECTRIC INC.
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L. Sidney Thomerson - Frank Horner
3128 E. Geer Street (919) 688-6176 Durham, NC 27704
800-890-6841 - FAX (919) 956-9939

Who Sells It?
Is Answered by the Classified Business Lists in this Directory

Details For:	Year	Source	TP	Adjoining
HARPER/MONMOUTH	1997	The Polk Co. City Directories	-	X

KENNEDY AUTO BODY AND FRAME SERVICE
Specializing In Collision Repair and Front End Alignment
2312 E. Club Blvd. (27704) **Tel. 688-2139 • FAX 683-9573**

MOLINE ST *cont'd*
Huggins James E Sr 688-2920
416 Thompson Augustus R Jr [9]+ ☗ 688-2052
Thompson Lillian P 688-2052
418 Simmons Adele [4] 688-0549
420 Harvey Wardell [9]+ ☗ 682-0205
Harvey Annamae M 682-0205
421 Not Verified
+FAYETTEVILLE ST INTERSECTS
BUSINESSES 2 HOUSEHOLDS 42

MONK RD (DURHAM)-FROM 4341 N ROXBORO RD EAST
· ZIP CODE 27704 CAR-RT C013
200 Haskins Dennis E & Joan [6] ☗ 477-0191
Ⓝ Rodriguez Jose A 471-4287
Ⓝ Schwartz D E
Schwartz Susan E
+N DUKE ST ENDS
204 Not Verified
208 Pulley Geraldine H [9]+ ☗ 477-8930
Pulley Wallace R 477-8930
209 Anderson James F Sr [9]+ ☗ 477-0693
Anderson Cynthia L 477-0693
210 Smith Richard A [9]+ ☗ 471-8461
+RYAN ST ENDS
301 Ortosky Doris J [9]+ ☗ 477-3234
305 Pittman Mark J Jr & Laura [9]+ ☗
306 Tilley Lawrence C Sr [9]+
+LAYMANS CHAPEL DR ENDS
316 Massenburg Gwendolyn S [7] ☗ 471-6176
Massenburg Donald G 471-6176
320 Jones Lawanda P [9]+ ☗ 471-2484
Jones James S 471-2484
321 Beasley Barbara J [9]+
Beasley Pauline D
+DENFIELD ST INTERSECTS
HOUSEHOLDS 13

MONMOUTH AVE (DURHAM)-FROM 1202 GLENDALE AVE WEST
· ZIP CODE 27701 CAR-RT C007
208 Sechriest Richard L [5] ☗ 687-4724
212 Henderson Annette M [9]+ ☗ 682-1612
214 Wheeler William J [2] ☗ 956-9759
215 Conner James L II & Martha [2] ☗
216 Hutchinson Sheldon C & Edith [9]+ ☗ 682-2271
217 Bynum Sigrun K [9]+ ☗ 687-7616
Bynum Jasmin L 687-7616
218 Godwin Dowell L & Sandra [9]+ ☗ 688-1567
219 Smith Judith K [7] ☗ 682-0861
220Ⓝ Burgess A E 688-1277
Ⓝ Wagner Keith M
Ⓝ Willis Kimberly E ☗
221 Not Verified
222 Luna Pedro V [7] ☗
224Ⓝ Loomis Dana P 683-3113
225Ⓝ Harrelson Margaret T 687-0984
Williams Angela L [3] ☗ 687-0984
226Ⓝ Baldasare Paul 682-8280
Wettach Jane R [9]+ ☗ 682-8280
227 Hattman Garland T [2] ☗
228 Wagner John H [2] 956-5559
Wagner Jolyne E 956-5559
229 Not Verified
230 Rogers Peggy J [9]+ ☗ 682-5950
300 Pursselley Minnie A & Glenn [9]+ ☗ 688-8376
+NORTH ST INTERSECTS
302Ⓝ Galton Tal E 682-1653
303 Assael Daniel L [9]+ ☗ 682-9110
Ⓝ Mandel Marcia 682-9110
304 Klafter Shirley E [7] ☗ 687-0814
305 Williams Herbert H [9]+ ☗ 682-2409
306 Brown Paul D [9]+ ☗ 688-0952
Ⓝ Poole S R 688-0952
307Ⓝ Parra Sergio 956-8375
Taylor Analisa [3] 956-8375
308 Upchurch James G & Robena [9]+ ☗ 688-7737
309 Lougee Sue B [9]+ ☗ 688-3182
Lougee George E Jr 688-3182
310 Swanson Aliseand L [4] ☗ 687-0784
311 Peace Sybil C [6] ☗ 683-1181

MONMOUTH AVE *cont'd*
312Ⓝ Davis Elizabeth J ☗
313Ⓝ Miller Oliver R ☗
Miller Patricia G
314 Perry Richard L & Ruby [9]+ ☗ 682-3817
315 Carden Norman F IV & Jane [5] 956-8733
316 Not Verified
317 Chaffin Lesley E [7] ☗
Chaffin Kristin A
KILN WORKS indus equip 688-3172
318Ⓝ Elwell Richard 683-5896
319 Tidwell Mary H [9]+ ☗ 688-2937
Tidwell Robert E 688-2937
320 High Herbert O Jr [9]+ ☗ 682-5385
High Ho O Jr 682-5385
321 Crawford Gadist III [4]
322 Best Bryon J [7] ☗ 680-0099
Best Gary A 680-0099
323 Brown Idelia [6]
325 King Helen M [9]+ ☗ 688-6504
+WASHINGTON ST INTERSECTS
+FOSTER ST ENDS
+HARPER PL CONTINUES
+N DUKE ST INTERSECTS
· ZIP CODE 27701 CAR-RT C003
903 Angress Miriam L [4] 687-4906
Davis Kathryn K [2]
Ⓝ Pardue Theresa 688-7261
B Ⓝ Brown Todd D
904 Blackman Lorena P [9]+ ☗
905 Spencer Matthew D [2] 682-8324
906Ⓝ Cole R 688-8943
Ⓝ Curtis K 688-8943
907 Davis Calvin D [9]+ ☗ 682-5889
908 Not Verified
909 Landis James K [6] ☗
910 White J I [9]+ ☗ 682-7176
White Martha J 682-7176
911Ⓝ Sutherland Stephanie 958-8965
Wood Pat [2] 682-1840
Wood Aleyne 682-1840
912 Campbell James R [6] ☗ 682-4512
913 Bloedorn John C [3] 956-8556
914Ⓝ Heyward James 680-0158
Ⓝ Wilson Carlene D
1 Not Verified
2 Sheehan Cell E [7] ☗
3 Jeffries Peter R [7] 687-0620
4Ⓝ Boone Gregory N
915 Gockerman Brian J & May [7] ☗ 682-4798
916Ⓝ Monthomery Robert D ☗
917 Robertson Michelle F [3] ☗ 688-8741
918Ⓝ De Ferrari Annette 680-2236
Ⓝ Lee G 683-9507
SCANLON REALTY CORPORATION real est agts/mgrs 383-8198
1 Stewart Michael A [3] 687-0235
3Ⓝ Deferrari Annette 680-2236
4 Not Verified
919 Rosenberg Frieda M [9]+ ☗ 687-4172
Rosenberg Andraa L 687-4172
920 Not Verified
921Ⓝ Bardon R 682-7630
Browning Ruth [9]+ 682-7630
922Ⓝ Jamison W R 688-6035
JAMISON W RICHARD legal svcs 688-6120
Turney Cheryl L [9] ☗ 688-6035
923 Achin Nancy H [9]+ ☗ 688-6499
Ⓝ Hashemian Nancy L
Hashemian Zahra M
924 Not Verified
926 Lentricchia Melissa J [5]
+N GREGSON ST INTERSECTS
· ZIP CODE 27701 CAR-RT C008
1001Ⓝ Knott Charles E Jr ☗ 687-4748
Knott Elizabeth H 687-4748
1002 Jessup Henry L & Brenda [9]+ ☗ 682-8466
1003-1004 Not Verified (2 Hses)
1005 French Jennifer E [3] 688-0897
1006 Not Verified
1007 Weitz Matthew W [9]+ ☗ 687-0161
Weitz Mischelle W 687-0161

MONMOUTH AVE *cont'd*
1008 Gereffi Gary A & Esperanza [9]+ ☗ 682-6391
1009 Kroll Carolyn K [3] ☗ 687-0518
Kroll Timothy A 687-0518
1010 Trott Jerry M [4] ☗ 688-7562
1011 Kantner Katherine A [9]+ ☗ 688-7584
1012 Culton Yancey G Jr [9]+ ☗ 688-4445
Culton Anne S 688-4445
1013 Doron Scott J & Mia [9]+ ☗ 682-8375
1014 Not Verified
1015Ⓝ Luger M 682-6468
1016 Delegard Kirsten M [4] 688-3684
Ⓝ Kimrey Jason D 680-0204
Ⓝ Quayle Jay 680-0204
1017 Nagy Paul D [4] ☗ 956-8342
Nagy Drew P 956-8342
1018 Ariall Jacqueline A [9]+ ☗ 682-7809
1020 Not Verified
1021 Hughey Cynthia S & John [9]+ ☗ 682-9459
1022Ⓝ Wynne A 688-6647
Zerbonia Robert A & Audrey [9]+ ☗ 688-6647
1023 Solterer Helen M [6] ☗ 687-0914
1024 Couch Charles N & Carol [9]+ ☗ 682-8053
1025Ⓝ Cocks Josiah 682-7229
Ⓝ Freeman A 688-6316
Ⓝ Hinton T 688-6316
Ⓝ Paclorek Christopher 958-8699
Ⓝ Pearson Breanna 688-0947
1-6 Not Verified (4 Apts)
1026Ⓝ Sher Jonathan P ☗ 682-8616
Sher Katrina R 682-8616
1028 Carraway Anthony G [5] ☗ 682-1155
+WATTS ST INTERSECTS
1102 Fried Jeffrey W [3]
Ⓝ Kraus Richard W 688-0950
A Not Verified
C Overman Catherine S [4] 683-5621
1108 BETH EL CNSRVTVE & ORTHODOX SYNAGOGUE religious orgs 682-2491
Sager Steven G & Sabina [9]+ ☗ 682-2491
+N BUCHANAN BLVD INTERSECTS
BUSINESSES 4 HOUSEHOLDS 131

MONROE AVE (DURHAM)-FROM 2999 UNIVERSITY DR
· ZIP CODE 27707 CAR-RT C015
2901 Penny Christine H [9]+ ☗ 489-0017
Penny David G 489-0017
2903Ⓝ Holloway Martha H ☗
2904 Rigsbee John A & Dorris [9]+ ☗ 489-9325
2905 Bridgers Anna [9]+ ☗ 489-8913
Bridgers Annie C 489-8913
2907 Not Verified
2908 Blackwelder David [4] ☗ 489-5661
Blackwelder Richard S 489-5661
Pope William A III [2]
2911 Knaudt Patricia R [4] 403-9661
Ⓝ Patel Alpa 493-9531
Pierret Denise A [6]
2912 Rigsbee W N [9]+ ☗ 489-9540
Rigsbee Thelma M 489-9540
2913 McNiel Rosemary S [2]
2914 Squires Lucy E [5] ☗ 419-6176
2915 Not Verified
2917Ⓝ Lock David S
Lock Jennifer L
HOUSEHOLDS 15

MONTANA WAY (DURHAM)-FROM 3815 COLORADO AVE NORTHWEST
· ZIP CODE 27707 CAR-RT C025
6 Renz Constance A [9]+ ☗ 489-9327
Ⓝ Warner Hans 489-9327
7 CANTERBURY CONSTRUCTION COMPANY sngl-fam hsng cnstr. 493-3591
Marshall George L [9]+ ☗ 493-3882
8 Jansen Peter H & Marlene [9]+ ☗ 489-7723
BUSINESSES 1 HOUSEHOLDS 4

MONTAUK PL (DURHAM)-FROM 5477 FORTUNES RIDGE DR SOUTHWEST
· ZIP CODE 27713 CAR-RT R012
1 Mangum Bobby M [4] ☗ 493-8144

2021 SOUTH BRIGGS AVE.
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JANITORIAL SUPPLIES - RETAIL PACKAGING - OFFICE PRODUCTS - SCHOOL PRODUCTS
TELEPHONE 598-1500

Details For:	Year	Source	TP	Adjoining
MONMOUTH/N DUKE ST	1997	The Polk Co. City Directories	-	X

ORANGE FACTORY RD *cont'd*
Toler Margie P
422 Boyd Rose J [9]+ ☗ ... 477-1706
COMPUTER CONSULTING comp rltd svcs ... 477-1706
502Ⓝ Osborne Allen ... 477-9242
512 Johnson Elma R [8] ☗
518 Stewart K K [9]+ ... 477-2536
+ ***INNESBROOK WAY ENDS***
604 Chambers Mary E [4] ☗
Chambers Kathy J
702 Andrews William M Jr [5] ... 471-8012
Andrews Hazel G ... 471-8012
Ⓝ Pearson Crystal M
Pearson Phil A
712 Ellis Millard R Jr [9]+ ☗ ... 477-8038
Ellis Mozelle R ... 477-8038
808 Not Verified
811Ⓝ Ventrilla James ... 471-8918
814 Tilley Alice B [3] ... 477-4664
Tilley Arthur A ... 477-4664
815 Glenn Steve L [2]
Muller Andrea M [9]+ ☗
903Ⓝ Niedel James E
Niedel Selaine B
908 Niles Raymond A [8] ☗
Niles Martha R
909 Ellis Leisa T [3] ☗ ... 477-5076
Ellis Timothy C ... 477-5076
917 Ellis Marshall [7] ... 477-2468
+ ***IRON GATE DR ENDS***
1121 Ashley B D [2] ... 477-7190
Ashley Kenneth D ... 477-7190
+ ***OLD ORANGE FACTORY RD BEGINS***
1511Ⓝ Saunders Robert G Jr
Saunders Raymond F
1523 Sanford Ralph W [2] ... 477-4273
Sanford Hasseltine R ... 477-4273
+ ***BLALOCK RD BEGINS***
1715 Powell Quinton L [8]+ ☗
Powell Larry D
1805 Not Verified
1821 Peeler Cynthia W [7] ☗ ... 477-1634
Peeler William S Jr ... 477-1634
1911 Peeler William S Sr [7] ☗
Peeler Margaret S
2017Ⓝ Atwell Anne E ☗
2023 Whitaker Gregory C [5] ☗
Whitaker Jennifer D
2102Ⓝ Thomas Susan ... 471-3840
2103 Sanford Robert W [9]+ ☗ ... 471-0131
Sanford Tasha L ... 471-0131
+ ***WILLARDVILLE STATION RD BEGINS***
2301 Houseman Carolyn A [5]
+ ***RAILROAD CROSSES***
2414 Rowsey Dana A [4] ☗
Rowsey Tammy J
2421 Goehring Edward B Jr [2]
Goehring Christopher S
+ ***STAGVILLE RD INTERSECTS***
BUSINESSES 2 HOUSEHOLDS 34

ORANGEWOOD DR (DURHAM)-FROM 5631 HILLSBOROUGH RD NORTH
+ ***BRENROSE CIR ENDS***
· **ZIP CODE 27705 CAR-RT C026**
2320 Collier Barbara C [9]+ ☗ ... 383-5660
Collier Rev Robert H ... 383-5660
2323 Harrison Florence K [5] ☗ ... 383-5486
Ⓝ Thompson Walter S
2326 Silva Andy C & Donna [9]+ ☗ . 383-5888
2327 Todd Sarah L [9]+ ☗ ... 383-3007
2330 Not Verified
2333 Patterson Frank L & Clara [9]+ ☗ ... 383-0339
2401 King James T & Joyce [9]+ ☗ . 383-9085
2408 Adcock Elbert A & Peggy [9]+ ☗ ... 383-3569
2412Ⓝ Goodwin Cecil J Jr
2419 Dobson Stacy W [3] ☗ ... 382-8586
Dobson Tonya C ... 382-8586
+ ***BYRD RD ENDS***
HOUSEHOLDS 11

ORCHARD DR (DURHAM)-FROM 5079 HIGHGATE DR

ORCHARD WAY (DURHAM)-FROM 2559 ROANOKE ST
· **ZIP CODE 27704 CAR-RT C010**
1101 Stone Willie E & Mildred [9]+ ☗
1102 Thomas Charlie W & Aleatha [8] ☗ ... 220-0423
1103 Gele Clifton [4]
Gale Ethel H

ORCHARD WAY *cont'd*
1104 Leathers Delores [5] ... 220-0045
Leathers Melvin E ... 220-0045
1106 Faison Flora J [7] ☗ ... 220-0453
1107 Murphy Annie R [8]
Murphy Kenneth L Jr
1108 Gamble Roberta C [8]
Gamble Charles Jr
1110 Boone Alex L [7]
Boone Sarah K
1111 McMillan Charles T [8] ... 220-2083
1112Ⓝ Whitaker Gary V
1114 Covington Jeanette D [3] ☗ ... 220-0288
1115-1116 Not Verified (2 Hses)
1117 Parker Reuben D Jr [8] ☗
Parker Gloria J
1201 Drummond Marlene D [2]
Drummond Joseph E
1202 Brooks Calvin A [8] ☗ ... 220-0477
Brooks Porcha C ... 220-0477
1203 Couch Andrew T [7] ☗
Couch Gloria J
1204 Mims Doris P [8] ☗ ... 220-0509
Mims Horace ... 220-0509
1205 Allen Kenneth M [7] ... 317-4218
Allen Hurline N ... 317-4218
1206 Harris Willie E [8] ☗
Harris Deborah L
1207 Alexander Charles K [6]
Alexander Katherine K
KATCHA MUSIC PUBLISHER misc publishing ... 220-8661
1208 Kenyon Barbara J [5]
1209 Johnson David A [5] ... 220-9682
1210 Ramsey James [2]
Ramsey Melissa A
1211 Vinson Nathan A Sr [8] ☗ ... 220-0068
Vinson Rosalind B ... 220-0068
1212Ⓝ Booker Towanda R ☗ ... 220-5081
Booker Elijah L Jr ... 220-5081
1213 Gross William F & Paula [9]+ ☗
BUSINESSES 1 HOUSEHOLDS 27

ORCHID CT (DURHAM)-FROM 5225 GREYFIELD BLVD EAST
+ ***BLUEBIRD CT BEGINS***
· **ZIP CODE 27713 CAR-RT R018**
2 Mackey Wendell E [2] ☗
3Ⓝ Fu Kong
Fu Caroline L
4 Rohde Marshall J [5] ☗ ... 490-1747
Rohde Rebecca R ... 490-1747
5 Reilly Rosemary C [2] ☗ ... 493-4907
Reilly Xavier J ... 493-4907
6 Mathur Sumeet M & Renee [4] ☗ . 490-5988
7 Adams Debra K [9]+ ☗ ... 489-3428
Ⓝ Adarns Debra ... 489-3428
Clark Michael C [4] ☗
8 Childs Randal V [8] ☗ ... 403-6369
HOUSEHOLDS 9

OREGON ST (DURHAM)-FROM 1747 ERWIN RD SOUTH
· **ZIP CODE 27705 CAR-RT C023**
205 A-L Not Verified (5 Apts)
206 Edwards Dondre T [5]
0-X Not Verified (16 Apts)
+ ***PACE ST BEGINS***
301Ⓝ Holsey Leonard B
302 A-L Not Verified (14 Apts)
+ ***BYNUM ST BEGINS***
402 104 REAL ESTATE ADMINISTRATION colleges/univ ... 684-6420
502 Not Verified
502 115 DUKE UNIVERSITY FACILITIES DESIGN & CONSTRUCTION eng svcs ... 684-2054
+ ***DUKE UNIVERSITY RD INTERSECTS***
BUSINESSES 2 HOUSEHOLDS 38

ORIENT ST (DURHAM)-FROM 750 W TRINITY AVE NORTH
· **ZIP CODE 27701 CAR-RT C007**
906Ⓝ Thomas Wendy K
907Ⓝ Eller A L ... 688-6379
Wade Lena D [2] ... 688-6379
910 Minasse Baede M [3] ... 687-4802
913Ⓝ Jackson S ... 687-0066
914 Cockrell Jack C [9]+ ☗ ... 688-0832
915 Not Verified
918 Pettiford Kermitt P & Dorothy [9]+ ☗ ... 682-1672
919 Schonwald Ellen B [3]
Schonwald Aaron
920 Poole Jeff [2] ... 688-1197

ORIENT ST *cont'd*
Poole William E ... 688-1197
921Ⓝ Owens Ralph
Ⓝ Thorpe Stephon ... 687-9022
922 Erickson Franklin D [9]+ ☗ ... 688-8859
923 Solomon Christopher E [4] ... 682-8325
925Ⓝ Pewell Jarmal M ... 682-7284
Ⓝ Powell Jermal M ... 688-7855
Powell Jennal ... 688-7855
926 Peninger David L [9]+ ☗ ... 682-8772
Peninger Mazelle T ... 682-8772
928 Miller Richard S & Mary [9]+
929Ⓝ Thompson Donna M
932 Not Verified
HOUSEHOLDS 20

ORINDO DR (DURHAM)-FROM 5095 BARBEE RD EAST
· **ZIP CODE 27713 CAR-RT C005**
500Ⓝ Young Margaret D
510 Faucette Henry L [9]+ ... 544-3525
Faucette Betty H ... 544-3525
511 Young Alice H [9]+ ☗ ... 544-6263
Young Felix T ... 544-6263
516 Alston Roland Jr [9]+ ☗ ... 544-3618
Alston William R Jr ... 544-3618
517 Ragland Lannie [9]+ ... 544-7139
Ragland Timothy ... 544-7139
521 Hill Howard D [9]+ ☗
Hill Carrie H
525 Owens Lewis N & Pamela [9]+ ☗ ... 544-2819
526 Pike Elnora D [9]+ ☗ ... 544-3233
529 Lester Edward A & Ruby [9]+ ☗ ... 544-7011
530 Wright Mary E [9]+ ☗
602 Steele Sandy [8] ☗ ... 544-2707
Steele Deborah W ... 544-2707
608 Long Robert N Jr [9]+ ☗ ... 544-3847
Long Vicki C ... 544-3847
613 Davis Thurston R [9]+ ☗ ... 544-4223
Davis Tracey N ... 544-4223
JOY CRUISES & TOURS travel agcy ... 361-2707
614 Rowland Lambert L [7] ☗ ... 361-2497
Rowland Chelsea ... 361-2497
Ⓝ Steele M ... 544-6958
615 Black James C & Maryann [9]+ ☗ ... 544-7215
618 Yongue Joseph H & Cassandra [9]+ ☗ ... 544-3367
619 Cooke Harriett A [9]+ ☗
Cooke Pee
622 Stroud Bobby L & Barbara [9]+ ☗ ... 544-7484
623 Wicker Floyd W II & Evelyn [9]+ ☗ ... 361-5823
627 Poole Robert A & Helen [9]+ ☗ 544-7992
+ ***ROBINWOOD RD ENDS***
704 Fozard Donald Q Sr & Nora [9]+ ☗ ... 544-2731
706 Smith Brandt W [9]+ ☗
710 Wright Frank H Jr & Rose [9]+ ☗ ... 544-2189
BUSINESSES 1 HOUSEHOLDS 24

ORIOLE DR (DURHAM)-FROM 4065 HOPE VALLEY RD
· **ZIP CODE 27707 CAR-RT C019**
2304 Gesell Donna C [9]+ ☗ ... 490-0234
Gesell Scott M ... 490-0234
2307Ⓝ Huynh Loc
Ⓝ Nguyen Kiet H
Nguyen Viet V
2308 Gibson Patricia M [9]+ ☗ ... 493-1800
Gibson Thomas C ... 493-1800
2311 Oakley Robert L [9]+ ☗ ... 489-0930
Oakley Huldia F ... 489-0930
2312 Jarrell John R [5] ☗ ... 403-0963
Jarrell Catherine A ... 403-0963
2315 Overfield Margaret E [9]+ ☗ ... 489-9876
Overfield Todd W ... 489-9876
2316 Kemnitz Tadeusz F [7] ☗ ... 493-7152
Kemnitz Alina M ... 493-7152
2319 Mundy William R & Felicia [7] ☗ ... 490-8906
2320 Cragg Michael S & Paige [7] ☗ ... 403-5328
PCS TYPING SERVICE scrtrl crt rpting ... 544-2580
2323 Not Verified
2324Ⓝ Gauss Roderick C
Ⓝ Strain Matthew C
Ⓝ Van Ee Chris ... 403-2083

BORDEAUX CONSTRUCTION COMPANY, INC.
COMMERCIAL - INDUSTRIAL AND INSTITUTIONAL CONSTRUCTION
UNLIMITED LICENSE NO. 9266
Authorized Builders
Inland - Metal Buildings
100 E. Britania Ave., P.O. Box 2935 (27715-2935)
220-1141 - FAX 220-1147

Who Sells It?
Is Answered by the Classified Business Lists in this Directory

Details For:	Year	Source	TP	Adjoining
ORIENT ST	1997	The Polk Co. City Directories	-	X

TREVOR CIR *cont'd*
Bishop Ruth C [2]
Bondy Bruce D & Cynthia [9]+ ♠ 477-9052
4113 Bonner Paul H [5] ♠ 477-2393
Bonner Sarah S 477-2393
4117 Dorfman George J [2] ♠ 471-0942
Dorfman Tammy F 471-0942
4121 (N)Colon Emeric C 471-9181
(N)Colon-Emeric Edgardo A 471-9181
(N)Emeric Edgardo C
4125 Latta James E Sr [2] ♠
Latta Lisa A
4128 Matthews William F [9]+ ♠ 471-9730
Matthews Deborah G 471-9730
4129 Milton Luther G Jr [5] ♠ 471-6361
Shaw Barbara H [9]+ ♠ 477-4672
Shaw Christopher T 477-4672
4132 Kay Norman B & Sharon [9]+ ♠ 471-8536
4133 Flynn Stephanie L [5]
Flynn Christopher D
4136 (N)Whitney Doris G ♠
BUSINESSES 1 HOUSEHOLDS 25

S TRICENTER BLVD (DURHAM)-
· ZIP CODE 27713 CAR-RT C001
2500 EES & SALES mgmt cnslting svcs 544-4998
SERVICES MICRON CMS printed circt brds 405-1200
2506 GTE SOUTH tele comm 361-9696
2519 (N)Burnham A 361-2800
NATIONAL RETURNS CENTER cmptrs periph sftw 361-2800
2520 MICRON ELECTRONICS NORTH CAROLINA elec parts equip 685-9980
TRIANGLE SERVICES CORPORATION mgmt cnslting svcs 544-0300
2522 (N)Dorsett Bobby J Jr ♠
Dorsett Robin G
KERR DRUG drug store 544-3896
2530 (N)Johnson Jon B
3500 Not Verified
3501 DURHAM MANUFACTURING sheet metalwork 544-6686
Kelleher Timothy J [3]
METAMETRICS commrcl nphys rsrch 572-5355
PROSOFT I NET SOLUTIONS data proc schs
3501 A CRAIG DAVIS PROPERTIES real est agts/mgrs 544-6932
RESEARCH TRI-CENTER real est agts/mgrs 781-6631
3501 B VANSTAR CORPORATION cptr intgtd sys dgn 572-6641
BUSINESSES 13 HOUSEHOLDS 5

TRIDENT PL (DURHAM)-FROM 3533 ARLINGTON PL WEST
· ZIP CODE 27707 CAR-RT C013
1 Powell Marcneliou C & Johnna [9]+ ♠
3 Cheek Gertrude H [8] ♠ 682-1662
Cheek Genaral W Jr 682-1662
4 Jones Edward G [9]+ ♠
Jones Linda T
5 Rascoe James L & Dorothy [9]+ ♠
7 Williams Onie C [9]+ ♠
Williams Detrease Y
8 James Bobby L & Flora [9]+ ♠ 682-9585
9 Brame William H III & Deborah [9]+ ♠ 688-0000
10 (N)McCall Leona E 688-4863
McCall Angelo 688-4863
11 Sampson Roy L Sr & Ernestina [9]+ ♠ 688-2788
12 Jones Patricia [5]
Jones Stephanie Y
13 Watson Catherine [8] ♠
14 Belfield Curtis C & Claudia [9]+ ♠ 688-9509
16 Crawford James C [9]+ ♠ 683-8795
17 Hughes John E Sr & Effie [9]+ 682-5990
HOUSEHOLDS 14

TRILLUM CT (DURHAM)-FROM 413 LOBLOLLY DR SOUTHEAST

TRIMBLE CT (DURHAM)-FROM 1947 STREBOR RD SOUTH
· ZIP CODE 27705 CAR-RT C008
6 Thompson Lutitia N [4]
7 (N)Simon Tammy M
8 (N)Henshall David N

TRIMBLE CT *cont'd*
Henshall Ginger Z
(N)Jones Thomas 471-2810
(N)Zellman Virginia
9 Green Carl [9]+ ♠
Green Gwendolyn H
10 (N)Burden Anthony
Burden Kristi N
HOUSEHOLDS 7

E TRINITY AVE (DURHAM)-FROM 1002 N MANGUM ST EAST
+ W TRINITY AVE BEGINS
· ZIP CODE 27701 CAR-RT C013
106 Not Verified
108 Farrior Lou [3] ♠ 688-2291
Farrior Linwood E 688-2291
110 Hargette John L & Wanda [9]+ ♠ 688-2764
112 Burton Catherine P [2]
116 (N)Kelly Linda C
118 Washburn Timothy J [9]+ ♠
+ N ROXBORO ST INTERSECTS
202 (N)Musawwir Hasan I
203 Kagan Andrew M [9]+ ♠ 688-4089
(N)Sippe Laura A 682-1697
203½ Connery Peter M [9]+
206 Hamilton Dorothy H [8]
207 (N)Digsby George 682-4094
(N)Hilton E R 682-7197
208 (N)Rivas Jose D 688-1045
209½ (N)Prochera Annmarie T
+ SHAWNEE ST BEGINS
303 (N)Austin Kay 680-0156
(N)Hellar Stephanie 887-7064
(N)Hilario Rafael 956-7086
2-3 Not Verified (2 Apts)
32 Heller Stephanie K [3] 956-7086
32 Heller Rafael 956-7086
304 CALVARY UNITED METHODIST CHURCH religious orgs 688-7138
305 Peace Earnestine S [9]+
307 Rogers Billie J [9]+
311 (N)Briley Mayo 682-0412
1 (N)Bowersett Julie C 683-6193
1 (N)Hood Julie C
2 Surles Frances C [2] 688-0053
3 Raynolds Kerri R [3]
4 Bora Renu [3] 956-2846
312 Daan Shirly [5] ♠
313 (N)Ropar Chris 882-2129
316 Kirschmann Kthryn L [9]+ ♠ 682-6061
(N)Krahenbuhl K L 682-6061
317 Not Verified
318 Vaughn Evan W Jr [9]+ ♠ 688-5698
Veughn Madonna T 688-5698
323 Hunt Edward W [9]+ 682-0956
(N)Storer Jeffery 682-0956
325 Not Verified
326 Planck Danial A [9]+ ♠ 682-3133
+ N ELIZABETH ST ENDS
+ ROSETTA DR ENDS
400 B Not Verified
401 Not Verified
402 (N)Collins Christopher 682-5450
Eisenberger Rochelle A [6] 682-5450
403 A-B Not Verified (2 Apts)
407 Campbell George J & Mattie [9]+ ♠
411 Riley Dana Y [3] 683-6356
Riley Cynthia 683-6356
413 B Not Verified
415 Harris Michael D [3]
417 Scott John E Jr & Patricia [9]+
+ HAMLIN RD BEGINS
+ PEACE ST BEGINS
501 (N)Baker-Richardson Kizxandria E
Baker-Richardson Marcus
(N)Cole Savonza R
A Not Verified
503 Stone Janice L [8] ♠ 688-8596
504 (N)Robinson Adriene M ♠
506 McCoury Kenneth W [9]+ 682-9130
McCoury Eleanor C 682-9130
507 (N)Holt Lisa G
508 (N)Burns Stephen B
509 (N)McMillin Cynthia L
510 Scott Shirley H [9]+ ♠ 688-2154
511 Eubanks Carolyn J [4]
512 Camara Marcel S [7] ♠ 888-6703
Camara Agnes Z 688-8703
FIRST IMPRESSIONS ADVERTISING busn cnslting 688-6703
513 (N)Basnight Gladya M
B Rodgers Sharon E [3]

E TRINITY AVE *cont'd*
514-515 Not Verified (2 Hses)
516 Bullock Corine P [7] ♠ 682-7902
Bullock Don C 682-7902
517 BARGAIN AUTO used merch stores 683-8522
518 HANDI FOODS grocery stores ..682-7646
519 Tapp Roxanne D [6]
Tapp Pamela A
+ N ALSTON AVE ENDS
+ AVONDALE DR INTERSECTS
+ RAILROAD CROSSES
· ZIP CODE 27704 CAR-RT C007
801 Farlow Earl O [8] ♠
Farlow Electirc
814 Not Verified
816 CERTIFIED ELECTRIC elec work 683-2345
823 PICKARD ROOFING COMPANY rfng sdng sht mtl 682-5702
Thompson Jennie L [3] ♠
824 McCloud Mildred E [9]+ 688-3986
826 GUESS ROAD AUTO used car dealers 471-8000
HUTCHIN'S PAINT & BODY SHOP pnt & body rpr 688-4138
901 BLUES SHOP ON WHEELS auto rpr 682-7799
914 SIMMONS SERVICE COMPANY refrgrtn svc rpr 732-3401
+ EDGAR ST ENDS
BUSINESSES 10 HOUSEHOLDS 72

W TRINITY AVE (DURHAM)-FROM 101 E TRINITY AVE WEST
+ N MANGUM ST INTERSECTS
· ZIP CODE 27701 CAR-RT C007
104 Not Verified
106 Haynes Kevin V [4] ♠
(N)Nadelson Robert 688-5915
107 Brock Roy J [9]+ 682-7528
108 Bassett Robert L [2] 688-5458
109 (N)Graves Gwen 683-6285
A (N)Jones Leroy Jr
B Not Verified
110 White Joseph L [9]+ ♠
111 Not Verified
112 Freese Robert C [3]
113 (N)Maiden Catherine R
Maiden Ernest
114 MCF BUILDERS sngl-fam hsng cnstr 682-8423
Mozier David M [2] 682-8423
Mozier Jill W 682-8423
117 Rhoads Kenneth A [2]
118 Harris Polly S [9]+ 682-6971
119 Beattie Eileen [3] 688-0444
120 McKenzie Barbara [9]+ ♠ 688-5555
121 McLean Clara B [4] 682-7617
122 Roberts John D & Mary [9]+ ♠ .688-4255
+ GLENDALE AVE INTERSECTS
201 (N)Moricle Hunter 682-8856
Powell Fred J III [4] ♠ 688-3613
(N)Wilkins Emily 682-6159
(N)Wilkins Neal 682-6159
B Not Verified
202 Swanson P [9]+ 688-9001
203 (N)Carouthars M 956-6455
Carouthers Karry L 956-6455
204 (N)Harmon Les 956-8061
Skinner Brooks Jr [9]+ ♠ 956-8061
Skinner Thomas B Jr 956-8061
205 Slattery Mark F [7] ♠
206 Habit Michael A [9]+ ♠
Hudson Jeffery W [2] 956-8380
207 Niles Laebetz P [9]+ ♠ 682-1875
Niles Pamela 882-1875
208 (N)Kalich Tanya C ♠
(N)Rodelli Diane 688-7382
(N)Young J 956-7642
209 Einspanier Krista L [3] 956-9917
(N)Moore William 683-6103
210 Denbeaux Gregory P [2] 956-8439
Denbeaux George P 956-8439
+ BAY ST ENDS
211 Hammond Leah E [5]
212 (N)Norton B E 682-4249
Shumate Talmadge M [3] 682-4249
Shumate Michael 682-4249
213 Not Verified
214 (N)Laymon Charlas M 956-8554
(N)Wilson Kala L
215 Hayes Rosa C [9]+ 682-7556
Hayes Charlie L 682-7556

Details For:	Year	Source	TP	Adjoining
TRINITY/W TRINITY AVE	1997	The Polk Co. City Directories	-	X

W TRINITY AVE *cont'd*

217 Not Verified
218 Martin Ciblon H & Mary [9]+ ♠ . 682-4586
219ⓃKing Pamela
A Not Verified
B Williams Shirleen [4]
B Williams Christophe L
C Not Verified
222 Webb Lauretta N [9]+ ♠
Webb Bridgette A
224ⓃWilliams Octavious 682-5426
Wilson Marjorie S [3]
Wilson Ronald D Sr
226ⓃHolman Barbara A
A Bass Keith [5]
A Bass Maurice D
B Hayes Willie A [7]
B Hayes Felita L
228 Day Sandra T [9]+ ♠ 682-7026
Day Charlie T 682-7026
229-230 Not Verified (2 Hses)
300 Franklin Machele [3] 956-7361
ⓃMcLean Annie R 682-8871
ⓃRegland Franklin 683-9522
ⓃWalker Darlene 682-6618
2 Not Verified
3 Lunsford Sherman III [5] 688-9021
4 Not Verified
6ⓃWalters Bobby L
9 Walker Bettie J [9]+ 687-4204
9 Walker Kenneth R 687-4204
12ⓃDunovant Tonya D
14 Not Verified
+NORTH ST INTERSECTS
301 Batts William Jr [9]+ ♠ 687-2951
ⓃLong Clinton 682-7049
ⓃOwens Julius 682-7477
ⓃSolomon Mike 688-9192
1 Rahman Hasan A Sr & Yvonne [9]+
2-7 Not Verified (6 Apts)
8 Williams Christopher S [8]
8 Williams Barbara H
9-11 Not Verified (3 Apts)
13 Rand Vanessa D [3]
15-18 Not Verified (2 Apts)
19ⓃLee Christopher M
19 Lee Willette
20ⓃGarcia Jenaro H
20 Garcia Feyunianit A
305 21-2 Not Verified (3 Apts)
307ⓃGrandy April 688-0983
2-3 Not Verified (2 Apts)
4ⓃHarris Reginald D 688-8146
5 Lyons Arthur [2] 687-4274
5 Lyons Macarthur A 687-4274
6ⓃBullock Melvin W
8 Bullock Michael L
8-10 Not Verified (3 Apts)
309ⓃStewart Jocelyn 683-6137
ⓃStewart Bond Jeannette 683-6137
Stewartbond J [2] 683-6137
310ⓃCeja Francisco 956-8158
Harris Lisa L [2] 688-6093
ⓃHeughton Dorcas 682-5593
ⓃManning Geneva 956-5994
ⓃSeelig John E 956-5478
ⓃShuford Carl 687-0067
ⓃSmith Clementine 683-8579
ⓃWalker David A 683-2162
ⓃWashington Michael 683-8142
1 Not Verified
3 Moore Georgette O [4] 956-9931
4-5 Not Verified (2 Apts)
6ⓃEdmundson Antonio
11 Not Verified
12ⓃWalker David A
13 Not Verified
14 Daniel Shaun M [3]
15-A Not Verified (5 Apts)
311ⓃJackson Selby 688-9572
ⓃMidgette Raymond 682-0016
2-3 Not Verified (2 Apts)
4 Allen Reginald I [4] 688-4615
5 Not Verified
6 Garcia Francisco G [2] 688-3438
312ⓃDean Shirley 682-6309
314 Cohen Ellen M [3] ♠
315ⓃIfejika Zoba 682-5154
ⓃOnwuteaka Ik 956-2823
ⓃWilliams Martha 682-6002
2 Not Verified
3ⓃMayo Sylvester Jr
5-10 Not Verified (4 Apts)
317ⓃHicks T 688-9321

W TRINITY AVE *cont'd*

ⓃJones Michael 682-4697
ⓃMcDougal Paul 687-7643
2-10 Not Verified (7 Apts)
319ⓃRose Billy & Eloise
320 Hryharrow John E [9]+ ♠ 688-4771
Hryharrow Jan E 688-4771
HRYHARROW COMMERCIAL REAL real est agts/mgrs 688-4771
ⓃMillion Renee 688-9774
ⓃThomas Robert J 687-0228
321ⓃSmith Antonio J 956-8010
323 Foust Benjamin S Jr [9]+ ♠ 682-0241
ⓃKeith Foust A 682-6865
+FOSTER ST INTERSECTS
+WASHINGTON ST INTERSECTS
701ⓃPaylor James
WATSON'S INN rooming boarding 683-5838
ⓃWilliams Melvin 688-4732
713 Not Verified
+ORIENT ST BEGINS
+RAILROAD CROSSES
804 DUKE UNIVERSITY DIET & FITNESS CENTER gnl mdl srgl hsptl 684-6331
ⓃParker Christian A
807 DUKE TOWER APARTMENTS real est agts/mgrs 683-5566
Oglesby Elizabe [3] 682-1728
107 Not Verified
128ⓃGrigsby Mary K
211-228 Not Verified (4 Apts)
258 Garrett Sheron A [3]
258 Garrett Thomas V
· ZIP CODE 27701 CAR-RT C003
900ⓃAllen Walter L 682-5052
ⓃAlston Jerome 680-2255
ⓃDickens James 683-8408
ⓃHarris Lamar 682-8320
ⓃHoleman Clinton 682-4213
ⓃIvy Allen R 956-7339
Johnson Randolph B Jr [2] 688-7061
Johnson Beverly R 688-7061
ⓃMayfield Linda 956-8598
ⓃWhitfield Vera 688-6011
2-3 Not Verified (2 Apts)
4 Allen Walter L [9]+ 682-5052
4 Allen Denise 682-5052
6ⓃMcLean Kenneth L
8-10 Not Verified (2 Apts)
12 Singletary Gary D [4]
14 Taborn Willis E Jr [5] 682-7609
14 Taborn Anthony J 682-7609
20 Thomas Cynthia P [2] 683-2668
+N DUKE ST INTERSECTS
903 Not Verified
906ⓃFoster Laura 682-5442
ⓃGraham P 682-1152
ⓃKissane Tamara L
ⓃLevy Bobby 682-4976
ⓃSlattery E 682-6250
1ⓃPoirier Elizabeth M 688-0025
5 Not Verified
6 Magsamen Karl E [3]
6 Magsamen Elise-Noel
7-11 Not Verified (4 Apts)
12ⓃRoberson Aaron A 956-5396
12 Roberson Ashley 956-5396
910ⓃYelverton Shelton B
1AⓃIngram Willie R
1A-1B Not Verified (2 Apts)
2A Shipman Rommel K [2]
3A-6A Not Verified (7 Apts)
6B Taylor Carolyn D [5]
8AⓃBanister Natasha L
8B Gary Robin N [9]+
916ⓃBroaderson D 682-5109
ⓃClarke George 683-9524
ⓃHallman Aimee 687-6986
ⓃHankenson Patricia C 687-0711
ⓃHoward Shelisa 956-9409
ⓃSchooley Harry 683-8652
ⓃSmith Maria 682-5566
Spearin Mark J [2] 956-8178
1 Not Verified
2 Scott Michael L Jr [4]
3-4 Not Verified (2 Apts)
5ⓃEvans Catina Y 683-5801
6 Not Verified
7ⓃMcKinney Charles 956-6454
7 McKinney Natalie J 956-6454
10ⓃHenterly Kevin P
11-14 Not Verified (3 Apts)
15 Lozuke Glenn M [2] 683-2311

W TRINITY AVE *cont'd*

15 Lozuke Virginia M 683-2311
17-18 Not Verified (2 Apts)
918ⓃBenaur Marina 667-9018
ⓃFox Rob 688-5396
ⓃSelsky Brian 683-6331
1-2 Not Verified (2 Apts)
920ⓃCox Michael T 683-5630
ⓃSzeman Imre 683-9512
1 Not Verified
924 Oshea Vincent J [7]
Oshea Vicent J
ⓃYordy M 958-8185
2 Not Verified
926ⓃHugo Bassoc V
ⓃPugh Michael 682-3879
ⓃShumaker James 956-2874
ⓃSimmons Patrick W 687-4590
927ⓃJansen Jeanette R ♠
TRINITY AVE PRESBYTERIAN CHURCH religious orgs 682-3865
+N GREGSON ST INTERSECTS
1001 Dunn Joseph J [9]+ ♠ 682-2579
Dunn Yolanda J 682-2579
1002ⓃHerbein F J 682-8369
Herebein Joel F [2]
ⓃMatese John C
ⓃMcCormick Kelly A
1003 Barrett Mary L [5] ♠
1004 Alden Charles J & Tessie [9]+ ♠ 688-9498
1005 Harward James R Jr & Mary [9]+ ♠ 682-3772
1006 Lane Harold H Jr [9]+ ♠ 682-6866
1007 Craciunescu Oana R [2]
Craciunescu Corneliu
ⓃEveritt May B 682-0330
ⓃLichter John 687-4878
2 Not Verified
1008 Richter Ruth M [9]+ ♠
1009 Noel William W Jr & Louise [9]+ ♠ 682-2723
1010 Crutchfield Florence W [9]+ ♠ . 688-4937
1012 Pipkin Marvin E [9]+ ♠ 687-0952
1014 Shields William B Jr [9]+ ♠ 688-6655
Shields Mary J 688-6655
1015 Pardon William L [7] ♠ 688-2577
Pardon Joyce E 688-2577
1017ⓃMalwald Micheal 687-4296
1017 Not Verified
1019 Beale Duncan M & Sarah [9]+ ♠ 683-1159
1021 Wheless Don M [9]+ ♠ 688-1986
Wheless Evelyn B 688-1986
1022 Rogers Jhannelore S [9]+ ♠ 688-4733
1023ⓃOtt John G 956-8285
ⓃOtt John G 687-4464
ⓃStokes Jeanette 687-4464
1024 Not Verified
1026ⓃHamel Julia 682-4302
ⓃRosengart Erica 680-0148
A-B Not Verified (2 Apts)
1030 Davey Francis M [7] ♠
Davey Michael
+WATTS ST INTERSECTS
· ZIP CODE 27701 CAR-RT C009
1107 ERWIN APARTMENTS BEAUTY SALON beauty shops 682-4398
+N BUCHANAN BLVD INTERSECTS
BUSINESSES 7 HOUSEHOLDS 294

TRINNES DR (DURHAM)-
· ZIP CODE 27707 CAR-RT C013
3105 Pinero Sheila R [2] ♠
3107ⓃTanner Alysia J ♠
3108ⓃMeadows Jerry W Jr & Kim ♠
3110ⓃTenner Nathaniel V
Tanner Dewanna D
3111ⓃKiaku Sylvie L
3112ⓃGray Michelle D
Turrentine Delma D [9]+ ♠
3113 Not Verified
3115ⓃRoberts Ellanoise
ⓃSpells Chester R Jr & Pamela ♠
3117 Alston Charles L Jr [3] 956-5497
Alston Simone F 956-5497
3120ⓃHawkins Jimmie R
3121 Howard William H [2]
3124ⓃWilliams Dena L
Williams Derick L
HOUSEHOLDS 14

TRIPLE CROWN PL (BAHAMA)-FROM 193 GET A WAY LN EAST
· ZIP CODE 27503 CAR-RT R002
1ⓃReynolds David S 471-4134

BORDEAUX CONSTRUCTION COMPANY, INC.
COMMERCIAL - INDUSTRIAL AND INSTITUTIONAL CONSTRUCTION
UNLIMITED LICENSE NO. 9266
Authorized Builders
Inland - Metal Buildings
100 E. Britania Ave., P.O. Box 2935 (27715-2935) 220-1141 - FAX 220-1147

Who Sells It?
Is Answered by the Classified Business Lists in this Directory

Details For:	Year	Source	TP	Adjoining
TRINITY/WASHINGTON	1997	The Polk Co. City Directories	-	X

WARNER ST (DURHAM)-FROM 2702 W MAIN ST NORTHEAST
· **ZIP CODE 27705 CAR-RT C002**
709-715 Not Verified (2 Hses)
719ⓃGreene Gail ... 286-9495
721ⓃForman John E
+ ***HILLSBOROUGH RD INTERSECTS***
+ ***15TH ST ENDS***
HOUSEHOLDS 4

WASHINGTON ST (DURHAM)-FROM 599 W CORPORATION ST NORTH
+ ***MORRIS ST ENDS***
· **ZIP CODE 27701 CAR-RT C007**
700 STONE BROTHERS & BYRD farm supplies ... 682-1311
701 ERWIN OIL COMPANY petro blk stns tmn ... 682-9168
709 WALKER AUTO STORES mtr vhcl spls prts ... 882-1135
715 ALAN'S TRAFNSMISSION SERVICE auto trans rpr ... 688-5696
JACKSON AUTOMOTIVE SERVICE auto rpr ... 688-2059
YARBROUGH PROFESSIONAL AUTO CARE auto rpr ... 688-3500
732 REGULATOR PRESS commrcl prtng lith ... 688-0071
733 CAL TONE PAINTS pnt gls wlpr strs ... 683-1294
+ ***W GEER ST ENDS***
+ ***W TRINITY AVE INTERSECTS***
901-905 Not Verified (2 Hses)
907 Minear Jerry & Helen [2] ☗
911 Head Joe L Jr & Latanya [6] ☗
913 Not Verified
+ ***MONMOUTH AVE INTERSECTS***
+ ***FOSTER ST ENDS***
915 Little Alice C [7] ☗ ... 683-2771
919 A Not Verified
BⓃEvans Charles H
B Evans Martha
919 A Not Verified
921ⓃGentry Jimmie ... 688-7760
925 Not Verified
927 Schafferharris Lisa J [2]
Schafferharris Geoffrey K
A Haley Davius [8]
A Haley Darius E
B Not Verified
C Morris Terri L [2]
D Not Verified
+ ***DACIAN AVE INTERSECTS***
937 PINE STATE ELECTRIC SUPPLY COMPANY elec appratus equip. 682-9258
944 BUY QUICK nonresid constr ... 682-6742
+ ***RAILROAD CROSSES***
949 BRAME SCHOOL PRODUCTS DIVISION indus prsnl svc ppr ... 683-1331
ⓃReaves Heather L
+ ***MACON ST INTERSECTS***
1010ⓃCroom Theodore ... 688-3520
1010 Not Verified
+ ***W MARKHAM AVE INTERSECTS***
· **ZIP CODE 27701 CAR-RT C004**
1110 Bozar Elza [2] ... 680-0053
Bozar Peter ... 680-0053
1117 Jones Renee M [2]
+ ***GREEN ST INTERSECTS***
1205 Fewell Carolyn D [3]+ ... 682-1882
1206 Rush Evelyn W [5]
Rush Serena T
1207 Harris Eric A & Felecia [3]+ ... 688-3669
1208 McNeill Patricia L [3]
1209 Coffin Joanne A [8]
Coffin Jermaine L
1210 Faulkenbury Robert [2] ... 688-8503
1211 Not Verified
1212ⓃMorris George R
Morris Cindy L
1215 A Not Verified
B Alleyne Yolanda S [4]
C Coles Charlene D [5]
1219 A Not Verified
B Kemp Cleette M [3]
C Not Verified
· **ZIP CODE 27701 CAR-RT C005**
1301 Hosner George R [3]+ ... 688-4073
Hosner Lora C ... 688-4073
1303ⓃSturdivant Patricia E
Sturdivant John M
1305 Hinton Carletta E [3]+ ☗
1307 Mudzingwa Rumbidzai [2] ... 686-7690

WASHINGTON ST cont'd
Mudzingwa David ... 688-7690
Williams Shirlean [3] ... 682-8336
1309ⓃChavis Terry L Jr ... 682-2499
Chavis Michelle ... 682-2499
+ ***W KNOX ST INTERSECTS***
1408 Konanc John E [5] ☗ ... 682-8754
+ ***EVERETT PL INTERSECTS***
1501 Chamberlain Barnwell R Jr & Elizabeth [3]+ ☗ ... 688-6148
1502 Lucas John H Sr & Blondola [3]+ ☗ ... 682-0660
1507 Jones Jimmy B & Patricia [3]+ ☗ ... 688-6915
JONES INSURANCE GROUP ins agts/svcs ... 682-7004
+ ***ENGLEWOOD AVE INTERSECTS***
+ ***ARBOR ST ENDS***
+ ***W CLUB BLVD INTERSECTS***
· **ZIP CODE 27701 CAR-RT C006**
1810ⓃLloyd John ... 688-8252
LLOYD JOHN A & ASSOCIATES elec work ... 683-5511
1822 Not Verified
· **ZIP CODE 27704 CAR-RT C004**
1910 Dorsett Karen P [7]
1911 Burnett Judy W [9]+ ☗ ... 220-2652
1912ⓃBaines Michael E
ⓃWeeks Cynthia A
1914 Hackney Angela K [8] ☗
Hackney Martha A
Norwood Jeanneane R [2]
1915 Not Verified
1917 Bradford James M [3]+ ☗
1918ⓃMoore Vickie M ... 317-1746
Moore Robert B ... 317-1746
1919ⓃTaylor Stephen M
1920 Graham Ciao [3]+ ☗ ... 220-8288
Graham Dessie D ... 220-8288
1921 Jones Stevan M & Teresa [3]+ ☗ ... 220-8277
1922 Burton Alfred Jr [7] ☗ ... 220-6484
Burton Gloria R ... 220-6484
1923 Blommer Camille K [7] ☗ ... 220-8198
1924 Dalton William F [3]+ ☗ ... 220-8191
Dalton Henrietta D ... 220-8191
1925 Denton Rachel F [3]+ ☗ ... 220-8296
Denton Major T ... 220-8296
2000 Murray Josie D [5] ☗
ⓃPridgen Larry ... 220-1427
2000½ Not Verified
+ ***RUBY ST INTERSECTS***
2005 Not Verified
2007 Noah Robert N Sr [3]+ ☗ ... 220-4248
Noah Dorothy L ... 220-4248
2009 Not Verified
+ ***GLENDALE AVE INTERSECTS***
+ ***COLGATE ST BEGINS***
BUSINESSES 13 HOUSEHOLDS 69

WATAUGA CT (DURHAM)-FROM 5616 MCCORMICK RD NORTHEAST
+ ***KELLOM CT BEGINS***
· **ZIP CODE 27713 CAR-RT C006**
5ⓃSutton James L ... 544-0389
Sutton Lauralee D ... 544-0389
6 Jones Southall R [3]+ ☗ ... 544-2044
Jones Mary S ... 544-2044
HOUSEHOLDS 2

WATERBURY DR (DURHAM)-FROM 3899 WESTCREST ST WEST
· **ZIP CODE 27707 CAR-RT C033**
3201 Pittard Thomas H & Holly [4] ☗ ... 403-5354
3202 Meyers Eric M & Carol [3]+ ☗ 489-1746
3203 Kirsch Donna M [2] ☗ ... 489-2698
3208 Tillman Doris C [3]+ ☗ ... 493-1798
Tillman Alvin ... 493-1798
3211 Todd Richard A & Beverly [3]+ ☗ ... 493-5612
3215 Inscoe Shirley L [3]+ ☗ ... 490-0518
3218 Siegel Laurence F & Lynn [3]+ ☗ ... 490-0649
3219 Johns Christa T [3]+ ☗ ... 489-5371
3226 Barrow John H Jr & Sandra [7] ☗ ... 490-2991
3301 Ketch James E & Susan [3]+ ☗ ... 493-3378
3304 Blanton Charles D & Sue [3]+ ☗ ... 489-4866
3305 Lemke Richard E Jr & Robin [3]+ ☗ ... 493-7295
3309 Hays Thomas G Jr [5] ☗ ... 490-1455

WATERBURY DR cont'd
Hays Mary J ... 490-1455
3310 Stewart Donald E Jr & Kit [8] ☗ ... 490-6759
3314 Dike Charles R & Emily [3]+ ☗ ... 493-3232
3315ⓃKuehne Pete ... 403-8564
3319 Harmon Dale L & Phyllis [3]+ ☗ ... 489-5354
+ ***GARRETT RD INTERSECTS***
HOUSEHOLDS 17

WATEREDGE DR (DURHAM)-FROM 4281 DEEPWOOD CIR WEST
· **ZIP CODE 27707 CAR-RT C030**
3602 Brannon Michael M [3]+ ☗ ... 489-5497
Brannon Mckenzie M ... 489-5497
3606ⓃPaka Lawrence ... 403-1766
Rogerson Nyamudou [3] ☗
3607 Laing Hubert A & Jeannette [3]+ ☗ ... 489-0763
HOUSEHOLDS 4

WATEREE DR (DURHAM)-FROM 42 BRIDGE PORT DR EAST
· **ZIP CODE 27713 CAR-RT R020**
5900 Jackson Vivian [2] ☗
Jackson Lakeila J
5902 Montague James B [4] ☗ ... 544-4944
Montague Lisa K ... 544-4944
5903 Jorgensen Katherine A [4] ☗
5904ⓃBuonanno Anthony ... 544-7647
5905 Daye Wayne K [3]
Daye Pamela
Watts Martha M [2]
Watts Marion
5906 Brown Tara S [7] ☗ ... 544-3424
Solomon Deidra [4] ... 544-3169
Solomon Nathaniel N Jr ... 544-3169
5907 Clark Laurence B [8] ☗ ... 361-2983
Clark Lavrence B ... 361-2983
5908 Desmarteau Jacques M [3] ☗
Desmarteau Lisa C
ⓃLiu Lisa ... 361-4769
5909ⓃMcGuire Julia ☗
McGuire Darren K
5911ⓃHawkins Kelvin ... 361-2889
5912 McKenna Patrick J [3] ... 361-9131
McKenna Amy J ... 361-9131
5913 Zwickl Kevin M [4] ☗ ... 544-0707
Zwickl Mary S ... 544-0707
5914 Hancock Kathleen E [5] ☗ ... 361-2542
HOUSEHOLDS 16

WATERFORD VALLEY DR (DURHAM)-
· **ZIP CODE 27713 CAR-RT C011**
4300ⓃBakichand Weston B ... 361-9732
ⓃChaudhuri Jay J ... 484-8294
ⓃGlen Dirk A ... 544-0321
ⓃHenderson Kara ... 405-2345
ⓃJonkman Margarita ... 484-8305
ⓃKatchie Andrew ... 544-0733
ⓃMcCallum Shirley A ... 572-0970
ⓃMelzer Brian ... 572-0765
ⓃRoy Suva ... 572-2436
2014ⓃEvans Shane
2014 Evans Kathryne E
2015ⓃHough Ann B
2025ⓃYonkovich David S
2025 Yonkovich Kelly S
2032-2037 Not Verified (2 Apts)
4301ⓃByers B R ... 484-8322
ⓃGervase Thomas ... 484-8321
ⓃRose L L ... 405-2251
ⓃTuskey Elizabeth M ... 544-8999
2111-2114 Not Verified (2 Apts)
2115ⓃPatterson John R
2117-2118 Not Verified (2 Apts)
2124ⓃGray William H
2128ⓃByrd John E
2133 Not Verified
2137ⓃRuba William R
4302ⓃFrancisco Tony C
ⓃGaines Trent C ... 544-8713
ⓃLewis H A ... 572-2842
ⓃStreicher David ... 572-2642
1 Not Verified
1912ⓃAgoncillo Maria P
1913 Messineo Thomas E [2]
1921ⓃHealy Terese M
1922ⓃMangano Roseanne C
1924ⓃGastineau Mary J
1924 Gastineau Jeanie
4304ⓃBogorad Paul L ... 484-8432
ⓃDonoghue Melanie ... 361-9738

Details For:	Year	Source	TP	Adjoining
WASHINGTON ST	1997	The Polk Co. City Directories	-	X

DUBONNET PL

17Ⓝ Clemons Jimmy & Sandra 220-6296
18 Nelson Yuri S & Shakira [3] 220-8039
19 Not Verified
20Ⓝ Grissom Lamont A
Hackney Leonard A Sr 220-0784
Hackney Sharon D [3]+ ♠
..... 220-0764
21 Howard Leonard J 220-0565
Howard Peggy L [3]+... 220-0565
22 Reed Stephanie Y [3]
HOUSEHOLDS 18

DUDE RANCH RD (DURHAM)-

· ZIP CODE 27704 CAR-RT R005
5400 Bateman Deryl L [3]+ ♠
..... 682-3685
5519 Wyatt David W & Cynthia [3]+ ♠
..... 683-5565
5605 Ward Carl W 682-5340
Ward William C [3]+ ♠ 682-5340
5606 Perry Brenda F [3]+ ♠. 688-8832
Perry Felton W 688-8832
5618 Thomas Jimmy M & Cindy [3]+ ♠
..... 688-0321
5623 Ward Mearie B Sr [3]+ ♠
..... 682-6825
5701 Smith Jerry R Jr [3]+ ♠
..... 688-0153
Smith Judy W 688-0153
5711 Biggs John E Jr [3]+ ♠ 682-8459
Biggs Libby R 682-8459
HOUSEHOLDS 8

DUDLEY CIR (DURHAM)-FROM 4657 HOLLOMAN RD

· ZIP CODE 27703 CAR-RT C007
4 Hagwood Mark & William [3]+ ♠
..... 596-1578
5 Thomas Herbert III [3] ♠.... 596-1737
Thomas Terveryn 596-1737
7 Inscoe Kristie J [3]+ ♠ 596-1694
Inscoe Kurt R 596-1694
Ⓝ Keo Ronald L & Sarah
8 Haley David J & Bettie [3]+ ♠
..... 596-8411
P E ASSOCIATES engineering
serv 596-8411
10 Meredith Richard C & Sara [3]+ ♠
..... 596-7038
17Ⓝ Green James K III & Medina ♠
18 Horne Danny W & Billie [3]+ ♠
..... 957-0922
22 Rigsbee Phyllis N 596-1403
Rigsbee Ronald W [3]+ ♠
..... 596-1403
25 Andrews Paul R & Linda [4] ♠
..... 598-5154
29 Ashley Phillip R [3]+ ♠ 596-6514
35Ⓝ Polanco Carlos ♠
38 Stricklend Dale A
Strickland James R Jr [3]+ ♠
39 Pearce Joseph D & Donna [3]+ ♠
..... 596-8880
42 Not Verified
46Ⓝ Wickward Catherine A & William ♠
50 Not Verified
54 Jarrett Paul B [4] ♠..... 957-1010
58Ⓝ Cannan Gerald ♠
Cannan Susan
59 Not Verified
63 Moore Richard V & Myrtle [3]+ ♠
..... 596-5915
67 Rhaw Claude K 957-7195
Rhaw Kevin [2] ♠..... 957-7195
68 Wright Paul J [3] ♠..... 957-8060
Wright Susan D 957-8060
71 Garner Larry W & Phyllis [3]+ ♠
..... 598-1776
72 Burwell Francella D & Tony [3] ♠
76 Not Verified
BUSINESSES 1 HOUSEHOLDS 26

DUFFERS PL (DURHAM)-FROM 18 CHIPPERS WAY

· ZIP CODE 27705 CAR-RT C016
2 Baker Lanny C & Marie [7] ♠
5 ACTERNA computer dlrs.... 309-0332
BUSINESSES 1 HOUSEHOLDS 1

N DUKE ST (DURHAM)-

· ZIP CODE 27701 CAR-RT C012
204Ⓝ Groves Nichole 530-1095
206 Walsh Alisson C [2]..... 683-8602
103 Tate Joseph S [2]. 682-6748
105 Overington Aaron M [3]
106Ⓝ McRobb Craig M
107 Hawkins David E [2]
..... 530-8636
108Ⓝ Bellard Donna L
109 Not Verified
111Ⓝ Jungheim Emily S
112Ⓝ Guynn Ryan E
115 Not Verified
116Ⓝ Cato Michael G... 956-8954
118Ⓝ Sprengelmeyer Mitchell D & Kelly
119-120 Not Verified (2 Apts)
121Ⓝ Carlin Howard J
122Ⓝ Stokes Anna K
124-125 Not Verified (2 Apts)
126Ⓝ Wendell Kathryn E
..... 688-5425
130 Not Verified
131Ⓝ Hanburger Katherine F
132 Kreft Stephanie K [2]
202 Leatherland Brian B [2]
..... 530-8648
204Ⓝ Wiechers Ilse R
205 Bond Joshua H [2]
..... 530-1946
207Ⓝ Blevins William F Jr

N DUKE ST

208 Not Verified
210Ⓝ Utter Brian C
211Ⓝ Parthasarathy Shobita
213-214 Not Verified (2 Apts)
216Ⓝ Testerman Eric L
219Ⓝ McCown Thomas C
221 Hogan Audrey E [3]
..... 530-8690
226 Not Verified
230Ⓝ Lazaro Anthony R
231 King Heather M [7]
..... 688-4852
251 Brown Todd [2] 530-8438
252 Curkendall Julie L [3]
331 Degraff Nathaniel J [2]
..... 530-8298
212Ⓝ Adams Elizabeth L 530-1606
Ⓝ Mellon Michelle M
102 Bracken Bekki J [2]
105Ⓝ Sundin Burton M
106 Gayre Gregg S [2]
107-108 Not Verified (2 Apts)
109 Long Traci C [4]
110 Stephens Donald L III [2]
..... 680-6431
112 Dehart Patricia L [7]
..... 956-5880
114Ⓝ Avery Rachel C
116 Not Verified
117Ⓝ Turer Aslan T
121-122 Not Verified (2 Apts)
127Ⓝ Kilgore Wes..... 956-2684
128 Schohn Erica 688-7944
128 Schohn Gregory C [2]
..... 688-7944
130Ⓝ Klein Kevin D & Linda
131 Jordan Jennifer L [3]
..... 682-7932
132-214 Not Verified (6 Apts)
215Ⓝ Caimano Catherine A
216Ⓝ Bell Gregory D
221Ⓝ Lean Eugenia Y
228Ⓝ Byrne Brian J
231 Not Verified
232 Hardin Geoffrey M [3]
..... 682-3272
233Ⓝ Higginbotham Eric A
331 Not Verified
300 DURHAM COUNTY SOCIAL SERVICE DEPARTMENT
..... 560-8322
· ZIP CODE 27701 CAR-RT C007
400 BURLINGTON WAREHOUSE
..... 683-1064
DURHAM MAGNET CENTER
elem/secondary schs
..... 560-3926
500 Cigler Tessa [3]..... 567-9174
Graff Todd P [3]
Ryan Jeffrey C [3]
WAREHOUSE ASSOCIATION
..... 682-6347
56 Urban Julia I [2]..... 667-0666
207 Collester Gaynor P Jr [3]+ ♠
..... 688-0406
53-200Ⓝ Wilson S
56-20 Washam Jeffrey B [3]
..... 680-6789
53-101 Not Verified
53-102Ⓝ McMurray William ♠
53-104Ⓝ Strickland Mike
53-105 Roberts Sarah T [3]+ ♠
..... 688-6625
53-106 Harrington Sara W [3] ♠
53-107-53-202 Not Verified (3 Apts)
53-203 Collins Don L [3] ♠
..... 687-4349
53-204Ⓝ Pham Duykhanh ♠
53-205-53-206 Not Verified (2 Apts)
53-208 Dismuke Phillip B [3]+ ♠
53-302 Not Verified
53-303 Reid David W [3]+ ♠
..... 680-6756
53-303 Reid Louann A 680-6756
53-304 Unkefer C D [3]+ ♠
..... 683-3167
53-305 Not Verified
53-306 Meade Ricardo A [3] ♠
..... 530-1827
53-307 Bengtson Kristi L [2] ♠
..... 667-1678
53-308 Meddinger John P [2] ♠
..... 667-0529
54-101 Not Verified
54-102 Scott Janet L [6] ♠
..... 687-0071
54-103 Williams Mitsuko [3]+ ♠
54-104 Not Verified
54-105Ⓝ Sue Ling C
54-201 Hourigan Diane R [3]
..... 667-9427
54-202 Not Verified
54-203 Davies Philip O [7] ♠
..... 667-0845
54-204 Not Verified
54-205 Bhapkar Manjushri V [4]
..... 682-7604
54-206 Not Verified
54-207 Ford Tonya L [3] ♠
54-208 Womack Robert P Jr [4] ♠
..... 682-6549
54-209 BEST RICHARD H archt
serv 682-1455
54-209 Best Richard H [3]+ ♠
..... 682-1455
54-301 Kappelmann Rickey B [3]+ ♠ 682-0740

N DUKE ST

54-301Ⓝ Pipkin Travis
54-302 Strickland Jeff K [7]
54-303-54-305 Not Verified (3 Apts)
54-306 Shaw April 688-0925
54-308 Shaw Jeff A [3]+
..... 688-0925
54-307 Not Verified
54-308 McCusker Marianne [7]
..... 956-7958
54-309Ⓝ Pollack Michael ♠
55-101 Not Verified
55-102 Allen Susan B [3] ♠
..... 688-9264
55-102 Searcy David A & Susan
[6] ♠ 688-7978
55-103 Not Verified
55-105Ⓝ Harris Andrew S
..... 667-9329
55-106 Maurer Allen D [2]
..... 667-1733
55-107 McDonald Kevin M [2]
55-201 Roeller Russell R [3] ♠
..... 956-9114
55-202 Connolly Shanon M [6]
..... 688-8225
55-203 Not Verified
55-204Ⓝ Petrusz Robert ♠
55-205 Richardson C... 682-8300
55-205 Richardson Gregory T [3]
..... 682-8300
55-206 Not Verified
55-207Ⓝ Rannala Erik O
..... 688-3526
55-208 Not Verified
55-301 Young William V [5] ♠
..... 956-9487
55-302 Payne Bruce L [3] ♠
55-303 Sullivan Loring [3] ♠
55-304-55-306 Not Verified (3 Apts)
55-307 Petry Susan L [3]+ ♠
..... 682-4348
55-308 Rives Gregory K [2] ♠
56-101-56-102 Not Verified (2 Apts)
56-103 Crupt Cheryl L [3]+ ♠
..... 688-1727
56-104 Not Verified
56-105 Hardison Jeremy L &
Nancy [3] ♠ 687-0561
56-106 Not Verified
56-201 Stier Bridgid L [2] ♠
56-201 Stier Donald H
56-202Ⓝ Babula Jennifer ♠
56-203-56-206 Not Verified (4 Apts)
56-207 Roland Lewis K & Eloyce
[5] 956-2807
56-301 Not Verified
56-302 McNear Jane M [3]+ ♠
..... 688-4873
56-303Ⓝ Hill Cynthia L
56-303 Kramer Cynthia
56-309Ⓝ Kramer Daniel R ♠
56-305-56-307 Not Verified (2 Apts)
63-105Ⓝ Dewitt Nathan ♠
J4101 Not Verified
· ZIP CODE 27701 CAR-RT C003
711 Guzman Rosemary [3]..... 680-0357
1-12 Not Verified (12 Apts)
712 Not Verified
714 Villafuerte Eduardo [3]..... 682-3589
801 Summerlin Barry [2]..... 530-1075
Summerlin James..... 530-1075
803 Dunn Jack B
Dunn Ruby D [3]+ ♠
805 Senter Mike W 682-7869
Senter Nora J [3]+ ♠.. 682-7869
807 Sellers Howard H [3]..... 680-3559
809 Grooms Sharon Y [3]+ ♠
..... 682-4714
810 McClure Lloyd C [2]..... 680-0250
1-4 Not Verified (4 Apts)
5 Zapata Venerando [2]
..... 667-1335
6-17 Not Verified (12 Apts)
18 Russell Darryl S [3]+
..... 683-1978
19-30 Not Verified (12 Apts)
811 Gil Egda 667-1808
Gil Reynaldo [2] 667-1808
Polk Robert C Jr [3]
1-4 Not Verified (4 Apts)
903 Miller-Riley Tracy L [5] ♠
Vance Michael L [4] ♠
Vance Vanessa
1000 Gonnella James M [5]
Rugumamu Frieda..... 680-4313
Ⓝ Rugumamu Severine 680-4313
Sawyer Tracie N [4]
Silton Michael [3]+
1 Daughtry Stephen E [4]
..... 683-2145
2-3 Not Verified (2 Apts)
4 Bonner Lynn M [2]... 688-8038
5-8 Not Verified (4 Apts)
9 Arnold Katharine M [6]
10 Not Verified
11Ⓝ Pierce Harry J ♠
12 Not Verified
14 Lowe Herbert F [2]
15-17 Not Verified (3 Apts)
18Ⓝ Harris Robert
19 Andrews Latrenda S [3]
20-21 Not Verified (2 Apts)
22 Sabir Jaramiah A [3]
..... 683-3150
23-25 Not Verified (3 Apts)
26 I IN EYE computer sys selling
s 683-1053
27-28 Not Verified (2 Apts)

N DUKE ST

29 Neupert Courtney S
..... 682-4680
29 Neupert Geoffrey M [2]
..... 682-4680
30 Berezovytch Robert N & Jenna
[3] 667-4759
31-32 Not Verified (2 Apts)
33 Mendelson Tamar [2]
..... 667-2796
34 Not Verified
35Ⓝ Yoo Christine H
36Ⓝ King Mary K
37 McTavish Michael J [2]
..... 680-4094
38 Not Verified
39 Franks Chris A & Sandra [2]
..... 682-7020
40Ⓝ Francis Felisa L
41 Glass Al [2] 682-4225
41 Glass George A..... 682-4225
42-44 Not Verified (3 Apts)
45 Novak Dana M
45 Novak Jay E [3]+
46 Harris Barbara H [3]+
46 Harris Margo A
47 Castellanos Maria S [4]
..... 667-0981
48 Rutland Ann C [2]... 680-4558
48 Rutland Dennis C... 680-4558
48 Vassey Emuel E [3] ♠
49-50 Not Verified (2 Apts)
1005 Stallings Frank O & Mary [3]+ ♠
..... 682-7713
1007Ⓝ Jay Hallie H
1010-1012 Not Verified (2 Hses)
1101Ⓝ Galiano Anna A
Spruill Thomas R [3]+ ♠
..... 687-4224
1102 HAYNES BARTON internal medicine
prac 684-5384
Yancey Michelle N [5]
· ZIP CODE 27710 CAR-RT C000
1102 DEPARTMENT OF MEDICINE internal medicine
prac 684-5384
· ZIP CODE 27701 CAR-RT C003
1103 Wintermute Orval S & Martha [3]+
♠ 682-8413
1105Ⓝ Ruggiero Anna
1106 Cash Roy [2]..... 682-1396
1107 McCarthy Janice M [3] ♠
..... 530-8258
1108 Conklin Christoph L [3]+ ♠
1109 Giordono Joseph [6]
1111 Stromberg Robert B [2]. 667-0528
1112 Not Verified
1113 Budd Beth A [3]+ ♠
1116 Capron Eric J [3]+
Clausen Gabriel J [3]... 688-1623
1118 Aleman Anne H [3]+ ♠.. 682-3186
1200 Dickerson Ernest J Jr [3]+ ♠
..... 688-3717
Dickerson Mollie O 688-3717
1201 Evans William R & Dorothy [3]+ ♠
..... 682-7227
1202 Pope Dale F
Ⓝ Pope Rebecca
1203-1204 Not Verified (2 Hses)
1205 Woodhouse Andrea M & Scott [7]
♠ 687-7871
1206-1207 Not Verified (2 Hses)
1208 Peacock Brenda D [6] ♠
..... 956-9784
Peacock Sharon C..... 956-9784
Ⓝ Chia Christina M [3] 956-9769
1302 Not Verified
1304 Brewington Germaine F [3] ♠
1306 Neese Jerri C [7] ♠..... 682-3311
1307Ⓝ Rogers Laura E
1308 Not Verified
1309 Steeves Rick G [7] ♠... 682-0551
1311 Tino Michael J [5]
· ZIP CODE 27701 CAR-RT C005
1400 Not Verified
1401Ⓝ Randolph Chad N
1403 Hajikawa Stephen A [3]
1404 Wiethe Robert W [3]+ ♠
..... 682-3785
1405 Not Verified
1406 Beavers Robert I..... 682-0719
Beavers Rosa L [3]+ ♠
..... 682-0719
1407 Elium-Raike Anna L [3]
1409 Meyer Eric E & Amy [3] ♠
..... 956-5160
1410 Bobbitt D L [3]+ ♠..... 682-7682
1411 CAD POINT indl bldgs whses
..... 687-4923
Carinder Jude E & Cathy [3]+ ♠
..... 687-0928
1412 Boone Richard K & Jennie [3]+ ♠
..... 688-5577
1413 Letzing Pauline W & Joseph [3]+ ♠
..... 682-8788
1414 Ganter Luz K
Ganter Thomas [2] ♠
1415 Hull Jonathan M 682-8853
Hull Matt [3] ♠..... 682-8853
1416Ⓝ Griffith Anita 682-4254
1417 Bishop Lenore..... 530-8974
Bishop Robert W [2] ♠ 530-8974
Ⓝ Weiss Heather L
1418 Trost William T [2] ♠.... 680-0658
1419 Smith Terry J [3]+ ♠.... 688-4666
1421 Lozuke Glenn M & Virginia [3] ♠
..... 683-2311
1422 Not Verified
1423 Mousmoulas Stella M [3]+ ♠
..... 682-8835
· ZIP CODE 27701 CAR-RT C006
1501 Rowan Donna [3]..... 688-7520
1502 Not Verified
1504 Pettiford Veronice D [3]+ ♠
..... 683-2767
1505 Clausen Kurt R & Carolann [3] ♠
..... 687-7018

N DUKE ST

1506 Darragh Patricia M [3] ♠
2 Rich Martha V [3]+ ♠
..... 682-3397
1507 Sellers Audrey J
Sellers Samuel L [3]+
1509-1510 Not Verified (2 Hses)
1511 Holmes Charlotte T [3]+ ♠
..... 688-6058
Holmes E R..... 688-6058
1512 Brooker Lora E [3]+
1514 Lamm Gregory W & Stephanie [7]
♠ 682-9888
1515 Lumley Gerrard B & Rena [3]+ ♠
..... 682-4757
1516 Not Verified
1517 Holt Olimbe D [3]+ ♠.... 682-6771
1518 Foree Audra R [7] ♠.... 956-7557
Foree George E..... 956-7557
1521 Broyles Matthew K & Nano [4] ♠
..... 687-9418
· ZIP CODE 27710 CAR-RT C000
1562 FARMER JOSEPH C internal
medicine prac 684-3834
MC ELVEEN JOHN T internal
medicine prac 684-3834
· ZIP CODE 27701 CAR-RT C008
1610 Jones Sherry D [3]
1612 Not Verified
1614 Bowden David L [3]+ ♠
1616 Forthofer Lenore R [3]+ ♠
1620 Karpathian Bettina M & George [3]+
♠ 688-4977
1622Ⓝ Albury Jandy 956-5124
A Not Verified
· ZIP CODE 27704 CAR-RT C004
2000 Matthews Joey M [3] ♠
Matthews Julie W
2001 Vaughan Latalie E..... 220-8451
Vaughan Newman H [3]+ ♠
..... 220-8451
2002-2003 Not Verified (2 Hses)
2005Ⓝ Scott Mark A ♠
2006 Smith Martha L [3]+ ♠
2007 Walton Anne [3]+
2008 Dampson James R Jr [3]+
..... 220-8537
2009 Not Verified
2010 Brame Dorothy M [3]+ ♠
..... 220-8225
Brame William H..... 220-8225
2011-2012 Not Verified (2 Hses)
2016Ⓝ Glenn Jackie A ♠
2100 Palmer Hattie D [3]+ ♠ 220-8144
Palmer Jack R 220-8144
2104 Cates Kevin W [3] ♠
2106 Not Verified
2108 Blackwelder Carol R [3]+ ♠
2109 OUR SAVIOR LUTHERAN
CHURCH religious orgn
..... 220-6104
TENDER-START DAY CARE child
day care 220-4052
2110 Scarboro Douglas G & Nichole [3]
..... 220-1600
2112 Ruffin Edwarner..... 220-0178
Ⓝ Ruffin Sheila..... 220-0178
2206 Solomon Alysia Y
Solomon Durand [4] ♠
2209 Jessup Michael L [3] ♠ 220-2101
2210 Jones Billie J [3]+ ♠..... 220-6412
2304 Plummer Madeline V & Willie [3]+
♠ 220-6163
Ⓝ White Deborah T
2305 Holmes Dee 317-1350
Holmes Delois E [3] ♠ 317-1350
2308 Not Verified
2309 Dennis Howard D [5] ♠
2312 McCray Jannie J [3]+ ♠
..... 220-6135
2313 Lyon Charles F & Selma [3]+ ♠
..... 220-6356
2401 Wagner Christopher S [2] ♠
..... 220-9995
Wagner Kristen E..... 220-9995
2402-2405 Not Verified (2 Hses)
2406 Barlow John L Sr & Ellen [3]+ ♠
2409 Not Verified
2501 Park Eulchul D & Sunhwa [3]+ ♠
..... 220-8627
2502-2503 Not Verified (2 Hses)
2504 Fletcher Margaret J 220-2044
Fletcher Norris F [7] 220-2044
2505 Not Verified
2506 Lawson James M & Ruth [3]+ ♠
..... 220-4225
2507Ⓝ Rey Rupa ♠
2508 Hester Ervin L Sr & Shirley [3]+ ♠
..... 220-5049
2509 Ebert Lori [7]..... 220-0064
2511 Golby Robert L [3]+ ♠.. 220-5030
2512 Not Verified
· ZIP CODE 27704 CAR-RT C017
2601 McNeil Crystal E [7] ♠.. 317-1467
2602 Best Rev Arthur L & Nancy [3]+ ♠
..... 220-6452
2609 ASSOCIATED HEALTH SERVICE
health/allied serv 220-5571
LCA 220-8552
SECOND BREATH chemical prodts
..... 220-5571
101 DIEHL KENNETH R dentist
..... 220-5524
102 DUKE COMMUNITY
UROLOGY internal medicine
prac 220-5251
102 POLASCIK THOMAS J internal
medicine prac 220-5251
102 WHITEHURST ARTHUR W
internal medicine prac
..... 220-5251
103 CENTRAL PHARMACY drug
stores 220-5121
202 CENTRAL MEDICAL PARK
blood hlt serv 220-5397
203 PRO ACTIVE THERAPY job
training 220-6532
204 ANDREWS PAUL S internal
medicine prac 220-5435

Details For:	Year	Source	TP	Adjoining
N DUKE ST	2002	Polk Directories	-	X

GASTON AVE

HOUSEHOLDS 24

GATE HILL RD (DURHAM)-FROM 4768 HILLSBOROUGH RD NORTH

· ZIP CODE 27705 CAR-RT C026
2306 Dorrity William T & Frances [3]+ ♠ 363-3405
2310 Nguyen Hung V & Huong [3]+ ♠
2314 Not Verified
2318 Wallace Karen W [4] ♠
+ W HILLS DR INTERSECTS

HOUSEHOLDS 4

GATEHOUSE LN (DURHAM)-FROM 2 LARCHMONT RD NORTH
+ LARCHMONT RD CONTINUES
+ MELSTONE TURN INTERSECTS

· ZIP CODE 27707 CAR-RT C016
101 Weber Carol L [3]+ ♠ 493-3950
102 Not Verified
103 Spaulding A T [2] 401-2966
104 Gotwols Danielle P
Gotwols George R [3]+
[2]Matthews End ♠
Matthews Nur P
105 Wilson Hattie L [3]+ ♠ 493-4810
106 Ellis Vickie L [3] ♠
201[2]Barnes Loryn S ♠
202 Not Verified
203 Hazel Debra E [3]+ ♠ 493-0987
204[2]Crabtree Eddie R ♠
205 Not Verified
206 Pavolchak Matthew P [5] ♠ 490-9749
301 Stec Jeff [6]
302 Not Verified
303 White Gregory A [6] ♠
304 Cheshire Jeanetta L [6] ♠ 490-2900
305 Kohen Ari [2] 401-4000
308 Walden Donnell B & Beatrice [3]+ ♠ 489-0229
401[2]Crenshaw M H 419-8438
402 Not Verified
403 Christian Andrea L [2] 419-8083
404 Not Verified
405 Strayhorn Tom [3] 403-2545
406-503 Not Verified (4 Hses)
504 Geschwind William F [8] ♠ 489-8752
505 McGhee Gayle C [7] ♠
506 Smith Geraldine E [7] ♠
+ LARCHMONT RD INTERSECTS
+ STILLWATER PARK BEGINS
601 Smith Rachel E [3] ♠ 419-9874
602 Portbury Stuart D & Andree [4] ♠ 403-7059
603 Morris Gladys [8] ♠ 489-8636
Morris James B 489-8636
604 Jones Nancy M [7]
605 Ongiri Laura [2] ♠ 493-1330
606 Sheffield Jugetta V [2] ♠ 490-3265
701 Cook George P 403-6341
Cook Molly E [8]+ ♠ 403-6341
702 Not Verified
703 Lawrence Faith W [3] ♠. 403-5571
704[2]James-Rodrig Felice A ♠ 402-1041
705 Chandler Yvonne D [8]
706 Milton Edna S [3]+ ♠ 490-3070
801 Davis Rev Glenn R [2]+ ♠ 493-3568
802 Vazquez Jose II 401-5083
[2]Vazquez Rita M ♠ .. 401-5083
803 Wilcher Earline B [3]+ ♠ 493-9228
804 Longworth Shannon D [3] ♠
805 Not Verified
806 Ellerbe Gaylene B [3]+ ♠
901 Boyer Linda [2]
902[2]Rogers Bret A & Julia ♠
903 Hersey D 419-9761
Hersey Keith L [8] ♠ .. 419-9761
16 Walker Deborah G [8] ♠
904 Schulte Becky L 493-0236
Schulte Robbecca L [3]+ ♠ 493-0236
905 Not Verified
906 Crawford James D & Helen [3]+ ♠ 493-1954
1001 Vereen Phillip [2] ♠ 419-4822
1002[2]Umstead Kelle ♠
1003 Collins Jeffrey [3]
1004 Mason Edward L Jr [3] ♠ 489-5261
1005 Williams Linde K [3]+ ♠
1006 Leggett Glenn D [3] ♠ .. 493-9443

HOUSEHOLDS 62

GATESWAY CT (DURHAM)-FROM 3555 COTTONWOOD DR SOUTHWEST

· ZIP CODE 27707 CAR-RT C033
2 Not Verified
7 Reeves John M II & Margaret [5] ♠ 490-0679
8 Not Verified
9 Dickson Darrell G & Glenn [6] ♠ 493-0323
11 Imery Marcel I [3]+ ♠
12 Not Verified
15 High Robert M & Marie [3]+ ♠

HOUSEHOLDS 7

GATEWOOD DR (DURHAM)-FROM 1299 CASSANDRA DR NORTH
+ LATTA RD CONTINUES

· ZIP CODE 27712 CAR-RT C007
5005 Goss Bobby W & Barbara [4] ♠ 620-0537
5006 Kirby Clancy L [3]+ ♠ .. 477-3439
Kirby W R 477-3439
5008 Bennett Robert L & Denealze [3]+ ♠ 477-3742
5009 Baldwan Hamrazdeep S 477-7035
Baldwan Manjit K [4] ♠ 477-7035
5010 ELLIS & ELLIS WINDOW CLEANERS bldg mtce serv 477-7862

GATEWOOD DR

Ellis Michael L & Brenda [3]+ ♠ 477-7862
5013 Joans Stafford D & Barbara [3]+ ♠ 477-3963
+ DONPHIL DR INTERSECTS
5015 Daniel Dewey C 477-5869
Daniel Linwood D [3]+ ♠ 477-5869
5017 Wallace Vance W & Ruth [3]+ ♠ 471-3137
5018 Hunt Andrea C [3]+ ♠ .. 477-7674
5019 Wade Lamont O & Karen [3] ♠ 479-3146
5025 Matthews Thomas P Jr & Joanne [3]+ ♠ 477-3015
5026 Chaney Brenda G [3]+ ♠ 477-1404
Chaney Caroline L 477-1404
5027 Baus Jo E [3]+ ♠ 471-8552
5028 Quillin Stephen G & Sylvia [3]+ ♠
5029 Burton Merle W [3]+ ♠. 477-3354
5032 Coleman Luther J Jr & Barbara [3]+ ♠ 477-4158
5033 Not Verified
5036 Brooks Henry C & Carol [3]+ ♠ 477-6703
5037 Blalock John N & Donna [3]+ ♠ 471-9438
5040 Pipkin Carolyn H [3]+ ♠ 471-8747
5041 Manley Gregory B & Gloria [2] ♠
+ CASSANDRA DR INTERSECTS
5104 Not Verified
5105 Myrick Maynard W & Bobbie [3]+ ♠ 477-2426
5108 NORMAN WILLIAMS ELECTRIC SERVICE elec pwr contr 477-8733
Williams Norman R & Mary [3]+ ♠ 477-6733
5111 Craig Kathleen A [7] ♠. 477-8838
5112 McElver John A & Bonnie [3] ♠ 620-9856
5121 King Gary L & Pamela [3]+ ♠ 477-2499
5125 Sullivan Frederick L & Saralee [3]+ ♠ 471-6862
5128 Wells Billy E & Marian [3]+ ♠ 471-4543
5129 Samson Carmela P 479-2030
Samson Reeve H [7] ♠ 479-2030
5130 Baucom Billy K Jr & Alicia [3] ♠ 479-0558
5131 Meekins Leonard M & Cynthia [3] ♠
5133 Inebnit Dana K 479-5623
Inebnit Melissa M [7] ♠ 479-5623
5134 Baker Linda L [3] ♠
5135 Stone Nancy V 471-0291
Stone Tobie P Jr [3]+ ♠ 471-0291
5136 ZASTROW KATY beauty shops 479-1148
Zastrow Katy [3] ♠ 479-1148
5137 Frans Brenda A & Jacob [4] ♠ 479-9395

BUSINESSES 3 HOUSEHOLDS 37

GATLIN CT (DURHAM)-
· ZIP CODE 27707 CAR-RT C031
1 Miller Margaret L [3]+ ♠ 489-7528
+ KELLY DR CONTINUES
2[2]Sullivan Erin D ♠
5 Jessup Dianna W [3] ♠ 493-8785
6[2]Reynolds Mark S ♠
9 Toler Marie R & William [3] ♠ 493-2070
10 Farrin Bailey J [2] ♠ 403-2061
Farrin James S 403-2061
11 Powell Stephanie C [3]+ ♠ 490-0967
12 Brown Fred C & Jeanino [3] ♠ 489-0013
13 Siegfried John T & Jane [3] ♠ 419-8295
15 Czerwinski Russell R Jr & Lorene [3] ♠ 490-5029

HOUSEHOLDS 10

GATTIS ST (DURHAM)-FROM 999 MAXWELL AVE SOUTHWEST

· ZIP CODE 27701 CAR-RT C010
204[2]Carroll Crystal G 688-9308
305[2]Meekins Sean 958-7018
403 Steenberg Beth A [5] ♠.. 958-7075
405[2]Forlin Brad 667-9242
407[2]Burt Nikki 682-9460
+ WILKERSON AVE BEGINS
502 Pulliam Charles C & Amy [3] ♠ 530-1160
504 Not Verified
506 Erdheim Gayle R [3]+ ♠ 956-7343
507 Dark Alease 687-4966
Dark Herbert [3]+ ♠ 687-4966
509 Fox Angelene P [7] ♠ 687-2991
Fox G 687-2991
510 Gibson Josh [2] ♠ 667-9093
511 Not Verified
+ BURCH AVE BEGINS
602[2]Hickerson Michael J
604 Not Verified
+ EXUM ST INTERSECTS
606 Poston Stacey R [5] ♠ .. 401-1981
607 Green Lynn C [3]+
608 Brown Memie M [7] ♠
612 Harris Bessie J 403-2973
Harris Retha B [3]+ 403-2973
614 Not Verified
+ KENT ST INTERSECTS
+ W CHAPEL HILL ST INTERSECTS

· ZIP CODE 27701 CAR-RT C011
802 Not Verified
+ JACKSON ST INTERSECTS
805 Not Verified
807 Tavera Eudevio [2] 401-5919
1-2 Not Verified (2 Apts)
809-819 Not Verified (4 Hses)

HOUSEHOLDS 28

GEARWOOD AVE (DURHAM)-FROM 799 CANAL ST NORTH

· ZIP CODE 27701 CAR-RT C031
1101 Not Verified

GEARWOOD AVE

1102[2]House Vernest V
1103 Williams Brenda S
Williams Charles E [4]
1105[2]Lubuku Asha
+ GRAY AVE INTERSECTS
1205 Harris Lee E Jr [3]+ ♠. 688-4676
1207 Edwards Freddie E [3]+
1208 Gibson Antonio D 688-6486
Gibson John C [3]+ 688-6486
1209 Jones Isaac 682-1519
Jones Muser M [3]+ 682-1519
1210 Royster Lakesha B [2]
+ DOWD ST INTERSECTS
+ DREW ST INTERSECTS
+ LEE ST INTERSECTS
1402 Not Verified
1404 Kersey Joanne M [5] ♠
1405[2]Frazier Bonnie M ♠
1406 Not Verified
1410 Pearsall F D [3]+ ♠ 688-4998
1411 Suitt Mary A [3]+ ♠ 682-0539
1412 Not Verified
1414 Suitt Andre L 682-9022
Suitt John E [3]+ ♠ 682-9022
1416 Francisvaughan K [6] ♠ 687-4249
+ E GEER ST INTERSECTS
+ ROSETTA DR BEGINS

HOUSEHOLDS 18

GEBEL LN (DURHAM)-FROM 6109 WILLET RD

· ZIP CODE 27705 CAR-RT R002
4500 Castrovinci Frederick N & Wendy [3]+ ♠
4510 Not Verified

HOUSEHOLDS 2

E GEER ST (DURHAM)-FROM 1698 N ALSTON AVE EAST
+ N MANGUM ST CONTINUES
+ W GEER ST INTERSECTS

· ZIP CODE 27701 CAR-RT C031
110 1-4 Not Verified (4 Apts)
201 HILL'S MARKET grocery stores 682-2612
+ N ROXBORO ST INTERSECTS
205 Not Verified
207 Buck Edward L [3] 667-0910
208 Patrick Rosalyn R 530-1129
Patrick Sharrisse N [8] 530-1129
212 Not Verified
213 Harris Hannah C [3]+ 680-0350
214 Not Verified
+ GURLEY ST INTERSECTS
303 Boyd Gladys L [3]+ ♠
305-306 Not Verified (2 Hses)
306 2 Not Verified
308 Not Verified
+ N ELIZABETH ST INTERSECTS
405 Not Verified
406 McCormick Kirra T [1] 682-4977
407 Not Verified
408 Roland Elva L [3]+ ♠ 682-6806
Roland Joseph W 682-6806
409 Osuorji Delores M [3]+ ♠
Osuorji Ike I
410 McRae Colon J Jr [4] ♠. 688-7221
McRae Sandra D 688-7221
411 Reese Willie E III & Wanda [3]+ ♠ 682-1681
412 Not Verified
413 Bagley Betty [3]
Bagley David
414 Huntley Samantha Y [6].. 956-6984
C B & V DETAILING bldg mtce serv 682-0464
415[2]Aiken Leasie 688-5072
A Not Verified
417 A Robinson Alma [8] 682-5935
418[2]Lewis W 682-0004
A Bond Vivian V [3]+... 688-5443
B Not Verified
C Denson Marissa V [6] 956-2852
D Not Verified
419 A Read Anthony 682-8299
A Reed Patricia J [3]+.. 682-8299
420 JENNETTE'S AUTO REPAIR & TWNG engine repr 683-9631
422[2]Bailey Tiffany 688-6656
+ GEARWOOD AVE INTERSECTS
+ ROSETTA DR BEGINS
500 Not Verified
+ GEARWOOD AVE CONTINUES
+ ROSETTA DR BEGINS
501 Not Verified
503 Brown Arthur L & Juanita [3]+ ♠
PATTY CAKE ACADEMY child day care 682-7555
504 Purefoy Denise M [3] 683-8770
505 Johnson Joseph J [2] ♠
506[2]Johnson Yarnell A
507 Oyan Andrew [2] 667-9464
508 BRITCHES PLAY HOUSE DAY CARE child day care... 682-6526
Freeman Marrell A [7] ♠
509[2]McGauley Nancy 688-7155
510 Not Verified
511 Brown Michael W & Westra [3]+ ♠ 687-4468
512 Not Verified
513 Giles Jessie P [3]+ ♠ 688-8760
514 Kearney Nora A [3] ♠
515-517 Not Verified (2 Hses)
520 Evans Angela R [2] 688-8194
Evans Mario 688-8194
522 Hines Cassandra G 688-5187
Hines Gregory C [3]+ ♠ 688-5187
523 Caudle Shiloh A [7] ♠ 956-5530
SAS III busn serv 956-5530
524 Cooper Carlos A 682-8438
Cooper Shirley [3] 682-8438
+ N ALSTON AVE INTERSECTS

· ZIP CODE 27701 CAR-RT C025
603 Wood C F [8] 688-2458
607 Daye Danny M [7] ♠

E GEER ST

612 Daves Harold J [3]+ ♠ ... 682-4937
Daves Lecie J 682-4937
615 PLATINUM CUTS barber shops 688-8349
616 ALTON'S TIRESTORE auto home sup store 682-1684
619 ESQUINA INTERNATIONAL engine repr 612-1779
622 Wrenn Melissa A [3] 683-8444
624 CAROLINA CLASSICS exterior repr serv 682-4211
+ GROVE ST INTERSECTS
700 JIM'S SOLARGUARD auto home sup store 682-2876
714 A-1 BODY SHOP int repr serv 682-7161
BUG MAN EXTERMINATOR disinfecting serv 682-0770
ON-TIME STORAGE-U-HAUL truck rnt/leasing 667-9424
SUN AUTO REPAIR engine repr 680-2456
C U-HAUL COMPANY equip rntl 530-1237
715 COUNTER TOPS OF DURHAM furn stores 682-5995
DON'S CUSTOM CABINETS carp wk 596-9675
HONDURAS AUTO REPAIR engine repr
W D LIMO SERVICE engine repr 667-1777
A1 PERFECTION TIRE & AUTO CENTER auto home sup store 687-6945
A2 CLEAN GREEN ANTIFREEZE auto parts sup used 530-1341
A3 FLAME TREATING SYSTEMS metal heat treating 956-5208
B4 PRECISION TECHNOLOGIES repair serv 688-5545
B AMPLE STORAGE genl warehousing/stg 688-7691
B GEER STREET MINI STORAGE genl warehousing/stg 688-7691
C1 MACHINE & WELDING SUPPLY COMPANY indl mechry/equip 682-4527
C2 CANAAN LAND FLOORING GROUP floor laying 599-2060
D D & R CUSTOM CABINETS carp wk 682-6917
730 KAR MART AUTO SALES new used car dlrs 688-9232
+ RAILROAD CROSSES

· ZIP CODE 27704 CAR-RT C007
802 MERITA BAKERY pet foods 667-0050
803 WILCO gas serv ste 688-5708
910 A-1 AUTO PARTS auto home sup store 530-8433
ACE RADIATOR & MUFFLER SHOP auto home sup store 688-8669
YARBROUGH PROFESSIONAL AUTO new used car dlrs 688-3500
1107 ASSOCIATED SCAFFOLDING & EQUIPMENT constr/mining machry 682-2655
1114 Not Verified
1116 Parrish Joseph T Sr & Patricia [3]+ ♠
1117 RIGGS-HARROD BUILDERS single-fam constrn 667-0111
1118 Not Verified
1120 Browning Marie 682-3350
Browning Viola M [3]+ ♠ 682-3350
1122 Bumphus Charlene [8] ... 680-8231
1122½ Not Verified
1122½ LEFT Dunn Tonia S [3]+ 682-4019
1125 DURHAM CREAMATION SERVICE funeral serv/crematori.. 683-1497
1128 Eubanks Rule A [8]
Johnson Lemmuel O & Chloress [3]+ ♠ 682-4988
1130 Hasan Ahmed [2] 688-7841
1-5 Not Verified (5 Apts)
6 Bumpass Jesse O & Laura [7] 680-2629
7 Riley Jonathan K [2]. 688-3165
8 Not Verified
1202[2]Marshall Benita J
1204 Philpott Katherine L [4]
1206[2]Martin Sauntray ♠
1208 1 McKee Donna A [7]
1 Rutledge Shirley B [3]
2-4 Not Verified (3 Apts)
1302 SHA-LA-DEE'S HAIR FASHION beauty shops 682-0341
1310 JIM'S AUTO WORLD int repr serv 688-7038
1400 AUSTRAM video audio equip 688-1288
K & J ENTERPRISES busn serv 682-8450
Ralph Ellis L Jr [3] 544-1900
TARGET TIRE inner tubes 683-1446
TIRE KING OF DURHAM auto home sup store 682-5184
YARBORO & HESSE WAREHOUSES farm product warehousi 688-3376
2 MARK YONCE WINE MERCHANT video audio equip 682-4226

E GEER ST

6 WOOTTON TRANSPORTATION trucking 956-5726
11 WESTCHESTER MARBLE & GRANITE plastering matls 688-8507
12 YARBORO & HANCOCK APPRAISERS real estate agt 682-5565
1427 GLOBAL IMPORTS & BRITISH MOTOR engine repr ... 688-0699
1431 ALDRIDGE-DURHAM SAW & MOWER tools 688-1378
STANSBURY-BURKE adv agcy 667-9741
WESBELL ASSET RECOVERY CENTER electl repr shops 687-3900
1433 DURHAM ROCK YARD lawn garden serv 530-1703
1511 Simpson N W [3]+ ♠ 688-4152
B Rigsbee Richard T [3]+ ♠ 956-8110
1513 Vincent Dwight K [3] ♠
1514 Not Verified
1515 Reeves Sarah B [3]+
1516 Stephens Altameese R.. 688-1683
Stephens William A [3]+ ♠ 688-1683
1517 Vanhorn Scott L & Cheryl [3]+ ♠ 688-4797
1518 Berbour Douglas R [2].. 688-7756
1522 O'Neal Albert D [3]+ ♠. 682-7047
O'Neal Grace C 682-7047
1601 B-1 CAROLINA MECHANICAL SERVICE structural steel erect 688-4233
B-2 FASTENAL COMPANY hdw 682-1408
B-4 L F BYRD DRYWALL CONSTRUCTION plastering drywall 688-0091
B-5 TELECOM TECHNOLOGY tab struc mtl for brid 687-7028
B BANNER INDUSTRIES adv agcy 956-8545
C-1 RELIABLE SELF STORAGE genl warehousing/stg 682-6067
C MORGAN KIRKMAN ASSOCIATES plmbg htg contr 688-8822
D AMERICAN ENTERPRISES single-fam constrn 667-1166
E A-PLUS DELIVERY SERVICE local trucking 682-8989
F CAVALIER SALES promo prtg litho 220-1301
G AUTO GLASS EXPRESS glass glazing 596-2400
H CAROLINA BUSINESS MACHINES typewriter/dictation e 286-3145
MN NEO indl machry/equip 688-2405
N KOZAR HEATING & AC plmbg contr 680-4444
P INNOVATIVE INSTRUMENTS laby apprts 680-0900
S XENOBIOTIC DETECTION SYST biological research 688-4804
1602 Not Verified
1605 Beck John R Jr [3]+ ♠. 682-8608
1606 Wall Harvey A Jr [3]+ ♠ 682-7755
1608 Wall Rand A [3]+ ♠ 682-7924
1612 CLEANING & J FURNITURE COMPANY wood hsehold furn 682-6131
1617[2]Woods Pamela F 683-1304
1619 SOAP & SUDS PRO GROOMING SERVICE pet serv 688-8181

· ZIP CODE 27704 CAR-RT C015
1703 HARTMAN'S STEAK HOUSE restr 688-7639
1713 Mayes Henry T [3]+ ♠. 688-1722
1717 Roberts John W & Virginia [3]+ ♠ 682-8072
1718 Not Verified
1719 Well Barbara B [3]+ ♠. 682-5304
1802[2]Chisolm Missy 680-0770
1810 Storch Glennys P [3]+ ♠ 688-5603
1812 Not Verified
1814 Harris Lee [3] ♠
1816 Peyton Joanno A [5] 956-8149
UNITED BUSINESS SERVICE sec court reporting 530-1016
1816½[2]Chapa Cindy 688-9888
1817[2]Butkowski John A & Stacey
1818-1821 Not Verified (2 Hses)
1822 Ferrell Gladys D [3]+ 688-3833
1823 Matthews Roy L [3]+ ♠ 688-1902
1824 Shepard Sue H [3]+ ♠. 688-3815
1825 Dunn Timothy R & Sharon [3]+ ♠ 688-3504
1827 Lyndon Rachel 688-3144
Lyndon William L Jr [3]+ ♠ 688-3144
1830 Dall Joyce [2] 680-0577
1831 Averette Charles V [3]+ ♠ 682-9574
1832 Parrish Timmy L & Diane [3]+ ♠ 688-4945
1834 Not Verified
1835 Ware Barbara A [3]+ ♠
1900 DURHAM POOL & SUPPLY COMPANY spt trade contr 688-2040
1901[2]Moetz Jack A
1903 Daniels Larry W & Rebecca [3]+ ♠ 688-5942

Details For:	Year	Source	TP	Adjoining
GEER/W GEER ST	2002	Polk Directories	-	X

E GEER ST
1905 Thomasson Ethel R [6] ▲ 688-8482
Thomasson Rodney B. 688-8482
1907 Newton Paul A [7] ▲ 688-6437
Newton Tony G.......... 688-6437
1908 Teasley Catherine E [9]+ ▲ 682-3627
1909 Not Verified
1911 Lawrence Kathy J [2]
1912 Teasley Arthur W [9]+ ▲ 688-3596
1915 Not Verified
1933 Christmas Linda G [9]+ ▲
Christmas Michael W
CLEANED BY CHRISTMAS bldg component clng se 688-8834
1936 Moore Ida S
Moore Michael L [7] ▲
1942 Yates Gayle J.............. 688-3140
Yates Rodney D [9]+ ▲ 688-3140
2125 BIBLE BAPTIST CHURCH religious orgn.......... 688-2832
2131 APPAREL DESIGNS card prtg/engraving.......... 688-2919
TEE SHIRTS UNLIMITED card prtg/engraving 688-2919
TRIANGLE SIGN COMPANY signs/adv splties 688-5178
ZACK'S ENTERPRISES restr 682-0353
2141 ACCENT'S UPHOLSTERY drapery/upholstery sto . 682-7221
2142 ENVIRONMENTAL SUPPLY COMPANY bldg mtce serv 956-9688
· ZIP CODE 27704 CAR-RT C002
2201 BILL'S DISCOUNT APPLIANCES used merch stores....... 683-3185
2237 King Darlene T [2]......... 682-0974
King David H............... 682-0974
2240 Holcomb Howard R [3] ▲
+JUNCTION RD ENDS
+GLENN SCHOOL RD BEGINS
+JUNCTION RD CONTINUES
+GLENN SCHOOL RD BEGINS
2402 Faircloth Claybourn F & Faye [9]+ ▲ 688-0209
2406 Oswald Greg T [6] ▲.... 687-0299
Oswald Judy J 687-0299
2408 Not Verified
2410 Cameron James W II [3]
J W CAMERON ELECTRIC SERVICE elec pwr contr 688-1400
2415 GLENN ELEMENTARY SCH elem/secondary schs.... 560-3920
+RAILROAD CROSSES
2420 Mangum Herbert........... 682-9005
Mangum Josephine M [9]+ ▲ 682-9005
Matlock Sandra O [9]+ ▲
2423 Carter Morris B [9]+ ▲. 686-1436
2425 Williamson Pamela S [9]+ ▲ 682-7070
Williamson Thomas A.. 682-7070
2428 Mullen Vesta A [9]+ ▲.. 688-3167
2431 Bongiovanni Donna S [8] 682-8692
2436 Walker Derrell S [6] ▲
+JOYNER RD INTERSECTS
· ZIP CODE 27704 CAR-RT C040
2504 Fogleman A D.............. 682-5929
Fogleman Grace G [9]+ ▲ 682-5929
2508ⓃBrogden Wesley H & Teri
2511 Thompson Esther B [9]+ ▲ 688-3964
Thompson Julia D........ 688-3964
2513 Not Verified
2514 Panther Mark W [5] ▲
2517 Norwood Robert J & Kate [9]+ ▲ 682-7363
2520 Franks Grady P & Karyn [7] ▲ 682-1424
2522 Not Verified
+BECK RD INTERSECTS
2602-2603 Not Verified (2 Hses)
2605 Maynor Rita S [8]
2606 Tayloe Robert O & Patricia [9]+ ▲ 683-2073
2607 Not Verified
2609 Ray Avleene F [9]+ ▲.. 688-2987
Ray Tommy L 688-2987
2610 Wright Charles W & Jacquelin [9]+ ▲ 688-0428
2614 Pitman Doug & Lisa [2]. 688-8028
2619ⓃCaudill Ronald
2620 Carden Edna C & Wayne [9]+ ▲
2624 ELITE PRODUCTIONS entertainers/entertain.... 477-2747
JOHNNY WHITE & THE ELITE BAND misc retail stores 477-2747
JOHNNY'S TAXI taxicabs 682-8294
White John C Jr & Merlen [9]+ ▲ 688-9011
2625 Not Verified
2631ⓃEnis Lumo
2637 Clayton Carolyn F [9]+ ▲
2639 Brewer Herbert S [9]+.. 688-2526
Brewer Myrtle S.......... 688-2526
599 Nichols Kyeria L [9]+
2710 Garner Donna G [9]+ ▲
2711 Johnson Otis A Jr & Bertha [9]+ ▲
2714 Woods Cathy D............ 687-4377
Woods Norma J [8] ▲. 687-4377
2715 Garner Andrew J Jr [9]+ ▲ 688-3835
Garner Juanita J......... 688-3835
2716 Olds Calvin R [6] ▲
Olds Lisa S
2717 Porter Charles A [9]+ ▲ 688-6015
2718 Lewis Rodney W [6] ▲
2719 Wheeler Marcia A......... 688-8486

E GEER ST
Wheeler Thelma G [9]+ ▲ 688-8486
2721ⓃMiles Angelina............ 530-8603
2721½ Not Verified
2722 Seals Sidney W............ 688-0468
Seals Will [6] ▲.......... 688-0468
2725 Medina Roman [2]......... 530-1372
1 Kelly Donna J.......... 683-2524
1 Kelly Kimberly [2]...... 683-2524
2 Jones Randall S & Myrtle [9]+ ▲
3-4 Not Verified (2 Apts)
5 Ceron Gregorio A 683-2109
5 Ceron Luis I [2]........ 683-2109
6 Not Verified
7 Oakley Earthalone M [6]
8-9 Not Verified (2 Apts)
10 Cates Sam O Jr & Felicia [9]+ 688-1480
11 Not Verified
12 McBroom Steven L [2] 530-8613
12 McBroom Tesha..... 530-8613
13 Not Verified
14 Haris Cynthia M [4]
15-16 Not Verified (2 Apts)
17 McCloud Barbara A [4] 667-9130
18 Steele Lavette [6] ▲ 956-9869
19-21 Not Verified (3 Apts)
22 Parker Andrea D [6] ▲ 683-2493
22 Parker Sheronda L 683-2493
23-29 Not Verified (7 Apts)
30 Parker Anthony [2] ▲
31 CALDWELL & SANDERS bldg component clng se 682-1678
33 Ross Walter B [9]+. 688-6063
34 Not Verified
35 Mangum Roderick W Jr [6] ▲ 680-2403
38-38 Not Verified (3 Apts)
39 Caldwell Margie H [5] 682-1678
40 Not Verified
41 Beeson Virgie L [9]+ 688-7102
2805 Brinkley Mary S & Wyatt [9]+ ▲ 688-4013
2807 Not Verified
2809 Carter Samuel A & Barbara [9]+ ▲ 688-6016
2810 Broome Jesse W [9]+ ▲ 686-2575
2815 Not Verified
2816 Capps Stephen M & Michelle [9]+ ▲ 688-1321
2820 McDonald Audrey
McDonald Cheryl L [9]+ ▲
2821ⓃHart Peter D Jr ▲...... 958-5358
2824 Pittman Pamela J [9]+ ▲ 683-2195
2900 Blackburn Douglas L [9]+ ▲ 688-3246
2906 N & J SUPPLY plmbg/hydronic htg sup.......... 683-8377
PVC PIPE plmbg htg contr 683-2141
+CLIFFSIDE DR BEGINS
2910 DMT ENTERTAINMENT entertainers/entertain.... 682-4192
2 PHENOMENAL EXPERIENCE theatrical producers 680-4000
2915 Woodlief Robert P & Sue [9]+ ▲ 682-8789
2917 Suitt Roland K [9]+ ▲... 688-1588
2918 Allen Bradley D [5] ▲... 680-8005
2919-2921 Not Verified (2 Hses)
2922 Taylor Anna H............. 888-8119
Taylor John G Jr [9]+ ▲ 688-8119
2924 Thomas Michael D & Teresa [9]+ ▲
2926 Mashburn Keith W [9]+ ▲ 688-3776
2930 Not Verified
+FERRELL RD ENDS
+SUMMERLIN RD INTERSECTS
+BULLOCK RD BEGINS
3001ⓃOswald Reca.............. 956-5680
Oswald Roger M Jr..... 956-5680
3002 Addison Bryant E & Barbara [9]+ ▲ 688-7074
3003 Addison Lucille C [9]+ ▲ 688-2274
3006 Mulchi Bonnie B & Freddie [9]+ ▲ 688-3481
3009 ANDY'S COUNTRY STORE grocery stores 682-7037
3010 Not Verified
3012 Hayes Christine M [9]+ ▲ 688-3343
Hayes Helen C........... 688-3343
3015 PRESTIGE FARMS....... 683-3232
3016 Lynch Frances E [8]
3102 Watkins Jarery S & Tracy [6] ▲
3106ⓃHardy D L.................. 682-0760
3107 Overton William A [9]+ ▲ 888-4527
3110 Atkins Brooke R........... 682-1335
Atkins David C Jr [9]+ ▲ 682-1335
3114 Addison James M [9]+ ▲ 688-4475
3119 Chappell Charlie E Jr & Ethel [9]+ ▲ 688-5427
3120 Smith Larry V Jr & Sharon [9]+ ▲ 683-4359
3122 Not Verified
3123 Kendrick Chad N [2] ▲
Kendrick Gerald
3125 Not Verified
3128 B & L CYCLES motorcycle dlr 682-5714
3131 Walker Cecil E [9]+ ▲.. 688-3425

E GEER ST
3133 Oleyar Helen S [9]+ ▲. 688-3352
3135 SMITH DISTRIBUTING COMPANY 682-7850
TOM'S SNACK SALES groceries genl line 682-7850
3136 Bradham Joyce B [5].... 680-3102
LEE'S CUSTOM BUILDINGS nonres constn 682-6689
3204 Kirkland Laura V [6]...... 688-5015
Kirkland Portland V...... 688-5015
3208-3223 Not Verified (2 Hses)
3227 Beckwith Barbara T...... 688-1427
Beckwith Donald L [9]+ ▲ 688-1427
+BURTON RD INTERSECTS
+JEFFRIES RD INTERSECTS
+BURTON RD CONTINUES
+JEFFRIES RD INTERSECTS
3231 Not Verified
3232 Riddle Barbara C.......... 688-4556
Riddle Stacy A [9]+ ▲. 688-4556
3233 Yow Pamela W [9]+ ▲. 682-4088
Yow Russell L............. 682-4088
3237 Not Verified
3239 Cooley Otha C Jr [9]+ ▲ 683-2554
3240 Not Verified
3307ⓃGrimshaw Garrett W & Susan ▲
3308 Tilley Donald W & Lisa [9]+ ▲ 683-2111
3311 GORMAN EARLY LEARNING CENTER child day care 682-0867
3314 DANNY ROBERTS TRUCKING igneus rock crushed qu 688-5478
Thomasson Kimberly C [6]
3315 GORMAN BAPTIST CHURCH religious orgn............... 688-3947
GORMAN CHRISTIAN ACADEMY elem/secondary schs 688-2567
+COOKSBURY DR INTERSECTS
+GOOCH RD BEGINS
3500 Not Verified
3508 Salguero Janis H [6] ▲
3514 Gregory Samuel J & Kimberly [6] ▲
GREGORY'S HOME IMPROVEMENTS sngle-fam constrn 683-1448
3518 Taylor Madeline T [9]+ ▲ 698-7238
3602 Brogden Christine G [9]+ ▲ 688-7983
3605 Byrd Joseph E & Gertrude [9]+ ▲ 682-1766
3606 Markham Judith C & Ernest [4] ▲
3611 Morris William A & Linda [9]+ ▲ 688-4632
3612 Sewell Norwood D & Fey [9]+ ▲ 688-6571
3615 Couch Charles W [4] ▲
3618 Veasey Robert L & Merle [9]+ ▲ 682-8938
3633 Cogwell Emily T [9]+ ▲ 688-9111
Cogwell William H........ 688-9111
3700 Not Verified
3702 Evans Shephard G [6] ▲
3708 Not Verified
3716 Drew Hunter & Mattie [7] ▲ 688-8865
3728-3729 Not Verified (2 Hses)
3732 White Karen D [9]+
A-D Not Verified (4 Apts)
3734 Brandon Clarence G Jr & Bernice [9]+ ▲ 682-8601
3753 Wall Steven B............... 682-2974
Wall Tonya H [9]+ ▲... 682-2974
3756 Not Verified
+GORMAN CHURCH RD INTERSECTS
3803 Legette Rev Willie L Sr & Martha [5] ▲ 682-0005
3808 Geddings Ardis E [9]+ ▲ 956-8917
Geddings Gwendoly L. 956-8917
3815 Blackman Maggie C...... 688-8766
Blackman Rey Jr [9]+ ▲ 688-8766
+BROUGHTON DR INTERSECTS
3821 Emory Kendre M.......... 958-7270
Emory Ralph L Jr [7] ▲ 956-7270
+EMORYFIELD PL BEGINS
3904 Wall Carla R [9]+ ▲...... 688-4348
3927 Not Verified
4016 Roberts Shelia C [7] ▲. 956-9099
4044ⓃRoberts Daniel............ 688-8683
4047 Morgan Penny W [9]+ ▲
Morgan Perry W
4048 Green Annie B [9]+ ▲.. 688-7731
4049 Currin Tommy M [9]...... 682-7407
A Taylor Earleen G..... 688-4159
A Taylor James H [9]+ ▲ 688-4159
4202 YARBROUGH AUTOMOBILE & CUSTOMS engine repr 956-7177
4206-4211 Not Verified (4 Hses)
4211 5R Veasey William S & Cathleen [9]+ ▲ 682-5556
4212 Butler Randall W [2] ▲
4214 Williams Kelli C............ 956-5356
Williams Wendell C [3] ▲ 956-5356
4215-4216 Not Verified (2 Hses)
4218 Price Ervin L & Helen [9]+ ▲
4219 Not Verified
4220 BUDS MOBILE WASH spl trade contr.......... 682-3271
4224 Webb Margaret I & Thed [9]+ ▲
4228 Not Verified
4230 Robbins Donald P & Patricia [9]+ ▲ 682-7055
+REDWOOD RD ENDS
4305 Teasley Donald R [9]+ ▲ 688-3736
+SKY LANE DR INTERSECTS
4340 AIRWISE AVIATION aircraft mtce 530-8080
CAROLINA BARNSTORMERS tour opr 680-6642

E GEER ST
LAKE RIDGE AERO PARK busn conslt 682-3166
BUSINESSES 110 HOUSEHOLDS 329

W GEER ST (DURHAM)-FROM 899 GLENDALE AVE WEST
+N MANGUM ST CONTINUES
+E GEER ST INTERSECTS
· ZIP CODE 27701 CAR-RT C007
106 Baker Donald L & Sharon [9]+ ▲
107 Peterson Andy [9]+
Peterson Louciel M
108 Caesar Atlanta Natash.... 956-9645
Caesar William J [9]+ ▲ 956-9645
109 Kimble Annie M [9]+
110 Price Eddie & Anna [9]+ ▲
111 Not Verified
113 Holland Clarence [2]....... 956-5307
+GLENDALE AVE INTERSECTS
200 Garrett Robert [5]
A-D Not Verified (4 Apts)
201 Moss Flossie M [9]+........ 688-8171
1-2 Not Verified (2 Apts)
3 Marshman Sidney [9]+ 687-4799
4 Not Verified
204 Bryant Deborah [2]......... 682-5301
A-C Not Verified (3 Apts)
D Berger Angela J
DⓃBerger Mace A
207 Williams John T & Peggy [9]+ ▲ 688-4585
208-209 Not Verified (2 Hses)
211 Holeman Clinton [6]........ 682-4213
213 Rives Annie L [9]+.......... 683-2080
214 A Garcia Juan M [6]...... 683-2099
B Burnette Norman [9]+ 682-3479
215 Not Verified
216ⓃCardozo Orozco Anuar. 667-9072
B Mejia Jose R [5]...... 680-2220
217ⓃVicente Horminio A....... 687-1929
1-6 Not Verified (6 Apts)
218ⓃHernandez Mayolo L.... 880-8699
219ⓃMcCoy Michael............. 530-1925
1 Not Verified
2ⓃPittman Eric
3 Watson Mary B....... 667-9011
3 Watson Mortier [8].... 667-9011
5 Not Verified
+NORTH ST INTERSECTS
301ⓃWilliams Javotte............ 956-8152
303 305 1-4 Not Verified (12 Apts)
307ⓃSalto Anselmo............... 680-0829
1-4 Not Verified (4 Apts)
309 Sanchez Consuelo [2]...... 682-0032
1-4 Not Verified (4 Apts)
+MADISON ST ENDS
319 CLARK & SORRELL engine repr 682-2147
321 WINTER MOUNTAIN BOTTLED WATER water sup...... 687-4088
326 CUSTOM MECHANICAL sprinkler contr.......... 687-7603
+RIGSBEE AVE ENDS
401 WRIGHT'S EXECUTIVE SALES local passenger trans.......... 688-3873
408 HUTCHINS AUTO SUPPLY COMPANY mtr veh sup/new parts 682-9101
+FOSTER ST INTERSECTS
+WASHINGTON ST INTERSECTS
BUSINESSES 5 HOUSEHOLDS 68

GENESEE DR (DURHAM)-
· ZIP CODE 27712 CAR-RT C005
5501 Thomas Scott E & Kimberly [8] ▲ 477-8620
5502 Jackson Rosie M
Jackson Salina C [4] ▲
5507 Hammond Lee E
Hammond William E III [8] ▲
5510 Lucas Robert W & Catherine [7] ▲ 471-4052
5511 Elliott Emily [9]+ ▲
5515 Coleman Kathryn R...... 477-8232
Coleman Toney [9]+ ▲ 477-8232
5516ⓃGarfield Darryl E
5519 Walker Clayton M & Betty [9]+ ▲ 471-4003
5525 Terterian Viken P & Pamala [8] ▲ 477-6242
+WORLAND DR ENDS
5604 Danzer Steve C & Keri [6] ▲ 479-0966
5605-5606 Not Verified (2 Hses)
5608 Williams Dwayne B & Annette [9]+ ▲ 471-0407
5610 Mello Charles E & Patricia [7] ▲ 471-6968
5612 Bleckard Charles G [9]+ ▲ 477-6273
+BRAMBLE DR INTERSECTS
5700 Marshall Emily H & Michael [4] ▲ 477-0400
5704 Not Verified
5709 Rolfe Khristine T
ⓃRolfe Phillip D ▲
5716 Not Verified
5719 Jones Winfred S Jr & Urai [9]+ ▲
5720 Not Verified
+BARLIFF PL BEGINS
5800 Johnson Cecil L Jr [9]+ ▲ 479-5154
Johnson Jamie A........ 479-5154
5801 Not Verified
5804ⓃHatcher Timothy J & Tammy ▲
5805 Guile Jordan M [9]+ ▲
+COTHERSTONE DR INTERSECTS
HOUSEHOLDS 25

GENEVA CT (DURHAM)-FROM 6037 TAHOE DR WEST
+CASPIAN CT BEGINS
· ZIP CODE 27713 CAR-RT R020
2ⓃAshton Owen T
3 Wallace Cheryl A [7] ▲

GENEVA CT
Wallace Edith E
4 Dodd William P Jr [8] ▲..... 484-1524
5 Hewlin Eddie G [9]+ ▲
Hewlin Judy G
6 Rao Sheela K [9]+ ▲......... 544-4383
Rao Shilpa K............... 544-4383
7 Grimm Waylon P Jr........... 405-4191
Grimm Waylon P Sr [9] ▲ 405-4191
HOUSEHOLDS 8

GENEVA DR (DURHAM)-FROM 5965 TATTERSALL DR
+FAYETTEVILLE RD CONTINUES

GENTRY DR (DURHAM)-FROM 4601 STAFFORD DR NORTH
· ZIP CODE 27705 CAR-RT C026
2200 Dibernardo Louis R [7] ▲
2203 Richards Gary J [5] ▲.. 383-1860
2204 Nelson Bradley W & Michelle [8] ▲ 383-8392
2210 Barbee Susan L [3] ▲
2211 Deolivelra Angelica X.... 383-4992
Deolivelra Divinomar P [9]+ ▲ 383-4992
2216 Evans Jason D [8] ▲.... 382-7246
Evans Zenaida............ 362-7246
2219 Not Verified
2222 Jones Kenneth S & Barbara [9]+ ▲ 383-6277
2225 Gates William D [9]+ ▲
2228 Riley Larry C [9]+ ▲..... 383-5972
Riley Margaret Y......... 383-5972
RILEY'S HEATING & AIR COND plmbg contr 383-2373
+BENNETT MEMORIAL RD INTERSECTS
BUSINESSES 1 HOUSEHOLDS 10

GEOFFREY RD (DURHAM)-FROM 799 BECKETT ST NORTH
· ZIP CODE 27712 CAR-RT C008
5701 Woodhull Barbara [9]+ ▲ 471-9325
Woodhull John H........ 471-9325
5707 Not Verified
5710 Burch James A Jr & Teresa [9]+ ▲ 479-0238
5711 Levy Jennifer L & Jeff [2] ▲
5809 De'Ath Graham J & Jean [9]+ ▲ 471-1930
+PROLOGUE RD INTERSECTS
5813 Bryant David W & Sharon [5] ▲ 479-6021
5814 Stevens Snowdean R [9]+ ▲
+KNIGHT DR BEGINS
HOUSEHOLDS 7

GEORGE KING RD (DURHAM)-FROM 5241 EPHESUS CHURCH RD SOUTH
· ZIP CODE 27707 CAR-RT R007
5108 Giles Bert N Jr [6] ▲.... 493-3898
5115 Gorman Betty R [9]+ ▲ 489-0742
5118 Blake David A [9]+....... 493-5848
5201 Harper Ferrell A.......... 493-3783
Harper James R Jr [9]+ ▲ 493-3783
5206 McAdams John S & Janice [3] ▲ 490-0521
5217 Not Verified
5219 Holleman Edwin D Sr & Helen [9]+ ▲ 489-8112
5305 Holleman Darryl L & Cathy [6] ▲ 493-6363
5315 Not Verified
5403 Mowery Tom................ 489-4597
Mowery Virginia B [9]+ ▲ 489-4597
5412 Neumann Andrew C [9]+ ▲ 489-4830
Neumann Conrad S..... 489-4830
5500ⓃNewman Jonbarthol B
5508 Bost John H [6] ▲
Bost Kathleen
5909 Not Verified
HOUSEHOLDS 14

GEORGETOWN CT (DURHAM)-FROM 363 WILDBERRY LN SOUTH
· ZIP CODE 27705 CAR-RT C028
1 Goodwin Robin L [9]+ ▲.... 382-0297
2-6 Not Verified (5 Hses)
7ⓃSomers Andrew ▲
8 Not Verified
9 McCoy John K [3]............... 384-0476
10 Caldwell Ray A & Jennifer [9]+ ▲ 309-1139
11ⓃMoeller B....................... 309-7865
12 Polsky Samuel S [8] ▲..... 309-2453
13ⓃEvans Jenelle.................. 309-1572
14 Not Verified
15 Wilson Brenda L [9]+ ▲
16 Holloway Gale [8] ▲
17 Weaver Theresa G [4] ▲. 384-0133
Weaver Tonya L......... 384-0133
18ⓃMudzingwa David ▲
19 Suitt Thomas R & Bonnie [9]+ ▲ 383-7857
20 Not Verified
21 Burger Sharon C [7] ▲..... 383-9329
22 Ladd Elizabeth V [7] ▲.... 382-2552
Ladd Tara..................... 382-2552
23 Cunnion Kenji M [5] ▲..... 382-9474
24 Patterson Paulette M [8] ▲
25 Shain Lara S [5]
26 Hicks Anna K [9]+ ▲....... 383-3870
27 Fetzer Denise L [8] ▲...... 309-7961
28 Cowan Gwendolyn J [9]+
29 Isackson Margaret W [9]+ ▲ 383-4764
30 Foltyn Kathleen M [9]+ ▲. 383-3955
Foltyn Robert F.......... 383-3955
31 Long Gail T [9]+ ▲.......... 383-7661
32-35 Not Verified (4 Hses)
36 Hunter Virginia A [9]+ ▲.. 383-9385
37 Not Verified

Details For: GEER/WASHINGTON ST

Year	Source	TP	Adjoining
2002	Polk Directories	-	X

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HANCOCK ST
Wilson Thomas L Jr.... 477-8781
719 Not Verified
719 T Wilkerson Eunice J [9]+ ♠ 471-9052
722 Felder Brenda
ⓃFelder Frank C ♠
723 Daniels Thaddeus L [9]+ ♠
726 Not Verified
726 A Carrigton Clance J [9]+ 477-1696
727 Not Verified
+*GRAYMONT AVE ENDS*
802 Burton Carol
ⓃBurton Shelly D
803-806 Not Verified (2 Hses)
807 Thompson Clarence W [5] ♠
Thompson Nadina M
809 Not Verified
809 13C Brooks Fred T & Ida [9]+ ♠ 477-6073
810 Green Cleo J [9]+ ♠ 471-0651
814 English Joseph L [9]+ ♠. 477-6210
English Kenneth R.... 477-6210
815 Barnes Terry [9]+ 471-4609
818-819 Not Verified (2 Hses)
HOUSEHOLDS 26

HANFORD RD (DURHAM)-FROM 701 HOVERHILL ST
· ZIP CODE 27703 CAR-RT R013
3815 Thomas Bobby L [6] ♠
3819 Blaine Sereno J Jr & Jo [9]+ ♠ 596-1054
3823 B & B HEATING & AIR COND plmbg contr.... 596-9235
Durham Bart E [7] ♠... 957-0675
3903 Not Verified
3907ⓃHudson Jessie.... 957-8747
3911 Not Verified
+*HAZELWOOD DR BEGINS*
BUSINESSES 1 HOUSEHOLDS 6

HANNAH CT (DURHAM)-FROM 4251 LUDGATE DR EAST
· ZIP CODE 27713 CAR-RT C004
2 Brown Bennie [7] ♠
Brown Douglas L
4-6 Not Verified (2 Hses)
7 Springs Timothy L & Frances [5] ♠ 572-9225
8 Latta Angel [6] ♠.... 572-9646
10 Banks Marcos A [6] ♠
Banks Tiwanna M
ⓃMorris Benjamin ♠
Morris Shemeerah
HOUSEHOLDS 7

HANOVER ST (DURHAM)-FROM 1101 GRANBY ST
· ZIP CODE 27701 CAR-RT C031
1118-1119 Not Verified (2 Hses)
1120 Howell Sylvester L [4]
1200 Not Verified
+*RAILROAD CONTINUES*
+*JUNIPER ST INTERSECTS*
1204 Cross Jacqueline L [8] ♠ 682-4461
1205 Sellars David Jr [9]+ ♠. 688-6490
Sellars Dorothy.... 688-6490
1206ⓃGutierrez Angel.... 667-0872
1207ⓃHolloway Juanita A.... 680-4478
1208 Williams Jacqueline E [8] ♠
Williams Ronald L
1209ⓃMack William ♠
1210 Dean J.... 683-2438
Dean Leshonne M [4].. 683-2438
+*GRAY AVE INTERSECTS*
+*DOWD ST INTERSECTS*
+*DREW ST INTERSECTS*
HOUSEHOLDS 11

HANSKA CT (DURHAM)-FROM 5765 TAHOE DR SOUTHWEST
· ZIP CODE 27713 CAR-RT R020
2 Steele Millicent I [6] ♠.... 572-9249
3 Lind Leonard E & Stephanie [9]+ ♠ 544-9535
4 Moore Judith L [8] ♠
5 Bergdolt Barbare A [4]
6 Scott Timothy S & Winnie [8] ♠ 361-0114
7 Liles Jesse S [3] ♠.... 361-0050
Liles Norma H.... 361-0058
HOUSEHOLDS 6

HANSON RD (DURHAM)-FROM 4549 FAYETTEVILLE ST NORTHWEST
· ZIP CODE 27713 CAR-RT C004
709 HANSON HILLS nursing/personal care.... 544-1323
718 Not Verified
722 Philyaw Johnie B & Ruby [9]+ ♠ 544-1674
725 CHOICE CARE res child care 361-1000
726 Rogers Gerald [2] ♠
Rogers Tenita
802 White Pamela Y [2]
808 Lee Anthony L & Betty [8] ♠ 544-1700
811 Williams Moses Sr & Edna [9]+ ♠ 544-5301
812 Carver Melvin K & Lucy [9]+ ♠ 361-1924
821 Marsh Tonya A [5] ♠
ⓃParker Curlin ♠
BUSINESSES 2 HOUSEHOLDS 9

N HARDEE ST (DURHAM)-FROM 1999 FIDELITY DR NORTH
+*LIBERTY ST CONTINUES*
· ZIP CODE 27703 CAR-RT C006
103½ Harris Rodney L [7].... 683-6657
+*HOLLOWAY ST INTERSECTS*
203 AVON PRODUCTS beauty shops 683-6191
204 DESIGNER HAIR & NAIL beauty shops.... 680-2240

N HARDEE ST
+*FIDELITY DR INTERSECTS*
305 Bennett Calvin [2].... 667-0523
307-309 Not Verified (2 Hses)
313 Williams Benjamin [3].... 688-9156
330 VILLAGE BOWLING LANES bowling ctrs.... 682-9145
+*WELLONS DR ENDS*
402 RENTAL MAINTENANCE SERVICE bldg mtce serv.... 682-6955
E SOUTHEASTERN AUTO SUPPLY auto home sup store 688-7600
405 Not Verified
405 T Jackson Tamara A [7] ♠ 682-9156
414 Williams Sandra D [7].... 680-8802
416-416½ Not Verified (2 Hses)
+*RAYNOR ST INTERSECTS*
418 Not Verified
419 James Frederick.... 688-1252
James Marjorie B [3]+ ♠ 688-1252
420 Not Verified
421ⓃHughley Joyous S ♠
422 Frederick James C & Mary [9]+ ♠ 682-8951
423 Leonard Jo A [8]
424 Bunch Bobby R [5]
Bunch Janet H
+*DELANO ST INTERSECTS*
500ⓃSantacruz Demitrio M... 680-8078
1-5 Not Verified (5 Apts)
6 Freeman Fred A [2]
7-8 Not Verified (2 Apts)
501 Not Verified
502ⓃSolo-Rosa Gabriella.... 683-8549
1-2 Not Verified (2 Apts)
3 Sanchez Joso R [3].. 956-7186
3 Sanchez Laura.... 956-7186
4-7 Not Verified (4 Apts)
8 Cooper Alonda M [4]
505 Evans Ethel C [9]+ ♠
508ⓃVillalobos Cruz Marcos. 680-4142
A1 Not Verified
A2 Guzman Lucia [9]+. 680-2254
A3-B2 Not Verified (4 Apts)
B3 Vega Jorge [8]
B4 Not Verified
C1 Lonebrook Rebecca [6] 956-8740
C2-D4 Not Verified (6 Apts)
509 Goodlow Barry J & Emma [6] ♠ 680-2124
511 McCollough Gloria E [6] ♠
512 Cid Jaimie A.... 683-8340
Cid Ramirez E [2].... 683-8340
1-8 Not Verified (8 Apts)
513 Castle Patricia A [2].... 682-1163
514ⓃSantos Noemi.... 687-0749
1-5 Not Verified (5 Apts)
6 Teewia Cephas N [6]
6 Teewia Rebecca W
7-8 Not Verified (2 Apts)
515 BOZOS LIFE OF FUN child day care.... 687-9055
ⓃSecka Momodou
518 Smith Leveta [6].... 956-8877
1-8 Not Verified (8 Apts)
+*FISKE ST ENDS*
519 Eubanks Ronnie W [9]+ ♠ 682-7802
Eubanks Steven F.... 682-7802
520ⓃThaxton Kenneth.... 683-1800
1-8 Not Verified (8 Apts)
523 Not Verified
526ⓃRojas Jose L.... 688-9040
1-4 Not Verified (4 Apts)
529 Jones Bobby L & Carol [8] ♠
LI'L GRANNIES R'OURS child day care 958-9580
530 Cruz Telessord [3].... 688-8723
A1-A3 Not Verified (2 Apts)
A4ⓃHintzen Gina D
A Corbett Christine [9]+ 683-8661
B1-C6 Not Verified (10 Apts)
C7 Keys Kenneth W [3] 680-0807
C8-E4 Not Verified (10 Apts)
536ⓃValadez Ismael.... 680-2790
1-8 Not Verified (8 Apts)
538 Wachira H [2].... 680-4041
2-6 Not Verified (5 Apts)
7 Ravix Seanetta M [5]
8 Not Verified
+*LANDON ST ENDS*
600ⓃLeth Kenneth.... 667-9230
1 Not Verified
2 Foushee Gerald K.... 956-8274
2 Foushee Roslyn F [9]+ 956-8274
3 Not Verified
4 Winant Geraldine [8]+
4 Winant Nicholas
604 PINE CREST APARTMENTS apts 682-8426
2-4 Not Verified (3 Apts)
607 Steward Angela P.... 682-8586
Steward Bobbie H [9]+ ♠ 682-8586
608ⓃWard Christina.... 530-8923
A1 Pittman Gwendolyn E [7] 687-0559
A2 Not Verified
A3 Evans Barbara A [6] 956-8564
A4-A6 Not Verified (3 Apts)
A7ⓃArraga Luis M
A8-B1 Not Verified (2 Apts)
B2 Rhodes Priscill A [8] 680-4178
B3 Not Verified
B4 Keene Jeanette B [3] 680-2680

N HARDEE ST
B6-C4 Not Verified (7 Apts)
C5ⓃThomas Shamona
C6 Harvey Deloris L [9]+ 688-1515
C6 Harvey Letissue M 688-1515
C7-C8 Not Verified (2 Apts)
C Fernandez Jose I [6]
D1 Castro Daniel S [6] 680-6282
D2-E3 Not Verified (7 Apts)
E4 Worthy Napoleon J [2] 688-2850
E5-G3 Not Verified (15 Apts)
G4 Ikechukwu Steve & Florence [2] 956-9478
H1 Stringer George [9]+ 682-0082
H2 Not Verified
H3 Thomas Cynthia L [5] 682-5623
H4 Anderson Julia [9]+ 687-4747
J1 James Shelley [6].... 682-9329
J2-L4 Not Verified (11 Apts)
611 Not Verified
612 Breeden Marion L [8]
Breeden Shannon L
1-4 Not Verified (4 Apts)
615-616 Not Verified (2 Hses)
617ⓃHood Bobby L
618 Mangum Vesta G.... 688-7119
Mangum William S [9]+ ♠ 688-7119
619 Not Verified
620 Watson Aaron L & Nellie [9]+ ♠ 682-1549
624 Watson Linwood T & Betsy [9]+ ♠ 688-1749
+*MIMOSA ST ENDS*
632 Not Verified
650 A-8 Not Verified (2 Apts)
CⓃKara Melvin C
654 D Not Verified
+*BENNING ST INTERSECTS*
+*NAPLES PL BEGINS*
706 A Not Verified
BⓃMangum Matthew
C-F Not Verified (4 Apts)
717 GREATER JOY BAPTIST CHURCH religious orgn.... 688-5888
720-728 Not Verified (3 Hses)
+*CHEEK RD ENDS*
810 Not Verified
816 CULLIGAN WATER CONDITIONING misc food store.... 598-7873
826 CHEEK HEIGHTS BAPTIST CHURCH religious orgn 683-1997
903 KAR COLOR textile leather mach 682-5615
937 Christmas Ruby J [2] ♠.. 530-1562
BUSINESSES 12 HOUSEHOLDS 248

S HARDEE ST (DURHAM)-
· ZIP CODE 27703 CAR-RT C006
103 Morales Maria [3].... 956-5829
103½-105 Not Verified (2 Hses)
105½ Renterel Loonerdo J [5] 682-0666
108 De Oliveira Leonardo [4]. 688-8862
109 Not Verified
110ⓃNoell Teresa ♠
111 Not Verified
112 Jackson Adrian W [4] ♠
113 Campbell Jane C [9]+ ♠ 688-7285
114 Galdamez Hector M [3]... 688-5445
115 Not Verified
116 Farkas Tamas [7] ♠
Garcia Sergio F [9]+
117 Morris Donald G [9]+ ♠. 688-4418
119-121 Not Verified (2 Hses)
HOUSEHOLDS 17

HARDWICK CT (DURHAM)-FROM 701 WELLINGHAM DR NORTHWEST
+*HARDWICK DR ENDS*
· ZIP CODE 27713 CAR-RT R035
102 Banks Maxx C.... 572-2827
Banks Oliver W [7] ♠.. 572-2827
103ⓃBennett Vernel D Jr
104ⓃHomes St L
HOUSEHOLDS 3

HARDWICK DR (DURHAM)-FROM 701 WELLINGHAM DR
+*HARDWICK CT BEGINS*

HARGROVE ST (DURHAM)-FROM 1001 BAY ST WEST
+*GLENDALE AVE CONTINUES*
· ZIP CODE 27701 CAR-RT C007
209-211 Not Verified (2 Hses)
+*BAY ST BEGINS*
214 Hester Jesse L Sr & Lois [9]+ ♠
215ⓃSutton Mike.... 688-1269
217ⓃBlackwell Stacy
218-219 Not Verified (2 Hses)
220ⓃDavison Donna ♠
ⓃWortham Tara
+*NORTH ST INTERSECTS*
HOUSEHOLDS 9

HARMONY RD (DURHAM)-FROM 1901 ARDMORE DR
+*COOK RD CONTINUES*
· ZIP CODE 27713 CAR-RT C011
800 Bennett Charles D [7].... 484-1783
707 Williams Regina F.... 361-9390
Williams Robert L II [9]+ ♠ 361-9390
708 Mayo Jackson & Fay [9]+ ♠ 361-5378
718 McLaurin Doris F
McLaurin Polly L [9]+ ♠
729-906 Not Verified (5 Hses)
910 Snipes Frederick C [9]+ ♠ 806-8591
Snipes James O.... 806-8591

HARMONY RD
914 Poteat Tonya M [8]+ ♠... 544-3073
915 McClary D J [5].... 484-0851
HOUSEHOLDS 12

HARNETT ST (DURHAM)-
+*E PETTIGREW ST CONTINUES*

HAROLD DR (DURHAM)-
· ZIP CODE 27712 CAR-RT C001
705 Dunnagan Kermit E Jr & Susan [9]+ ♠ 477-4932
709 Curtin Dan C Jr & Sandy [9]+ ♠
712 Arumi Fernando J Jr [9]+ ♠
Arumi Martha
713 Callender Sandra M [7] ♠
716 Not Verified
720 Stone Sylvester J Jr & Deann [9]+ ♠
724 Sykes Betty R [9]+ ♠.... 471-6579
Sykes H D.... 471-6579
725 Ellis Dorothy W [9]+ ♠... 471-1180
728 Wilkins James H & Barbara [9]+ ♠ 471-9573
729 Not Verified
730 Kornegay Kathy L [9]+ ♠ 471-9327
Kornegay Mark C.... 471-9327
735 Browning Allen F & Carole [9]+ ♠ 477-5677
737 Pierce Wesley H & Amy [3] ♠ 471-8878
+*WHITT RD ENDS*
HOUSEHOLDS 13

HAROLD KEEN CT (DURHAM)-FROM 481 GUY WALKER WAY
· ZIP CODE 27703 CAR-RT C005
1 Evoniuk Gary E & Melony [9]+ ♠ 598-5304
2 Hayes Alan R.... 598-2577
Hayes Alphonso R [8]+ ♠ 598-2577
3 Hilliard Hassell G Jr [3] ♠. 596-7200
4 McDaniel Keith.... 596-1869
McDaniel Russell K [9]+ ♠ 596-1869
5 Cotton Gregory J & Elizabeth [5] ♠ 598-6507
6 Milroy Robert D & Linda [9]+ ♠ 596-7316
+*ALLEN MOORE CT ENDS*
HOUSEHOLDS 6

HARPER PL (DURHAM)-FROM 799 N DUKE ST NORTHEAST
+*MONMOUTH AVE INTERSECTS*
· ZIP CODE 27701 CAR-RT C003
803ⓃGodines Juan.... 680-6346
805 Not Verified
807ⓃNelson Michael.... 688-9757
811 Cruz Ciriaco [2].... 682-1376
813 Not Verified
+*DACIAN AVE INTERSECTS*
HOUSEHOLDS 5

HARRIER CT (DURHAM)-FROM 999 STARLING LN
+*SHEARWATER DR CONTINUES*
· ZIP CODE 27713 CAR-RT R014
101 Agro Amy L [4].... 544-7162
102ⓃNester Brigitte L
104 Not Verified
105 Suh David [3].... 405-4100
106 Criag Ann M [2].... 361-0700
200 Puccioni Greg A [4]
201 Not Verified
202ⓃSaleh Hala.... 544-2337
203ⓃElla M
204-205 Not Verified (2 Hses)
206 Broswski Mark J [3]
301ⓃBass Corrie L
302 Quick Kathy M [3].... 572-9871
Quick Quinton M Sr.... 572-9871
303 Not Verified
304 Mansfield Bethany L [2]
305 Not Verified
306 Smith Rachel G [8]
401 Barker Brian C.... 484-8239
Barker Jennifer S [3]... 484-8239
402 Hunte Althea E [5]
Johnson Douglas L Jr [5]
403 Juers Michael T & Teresa [8]+ ♠ 484-7784
404ⓃPerry Mynekia C
405ⓃCarver Brandy M
501 RAW CONSULTANTS busn consit 544-5318
Wallace Jacqueline [6].. 361-5952
502 Mills Dexter & Cecelia [3] 361-5332
503 McKenna Kathy [3]
504 Sanders Latonya J [3].... 484-0836
505 Not Verified
506ⓃJanse Van R
601 Dupraw Nicole M [3].... 544-9639
602 Styron Michelle L [3].... 544-1820
603 Not Verified
604 Ott James L [9]+ ♠
605 Not Verified
606 Stampley Lori A [3].... 361-2686
607 Fang Lei [6].... 544-3201
701ⓃMcCallum Daniel T
702ⓃFoster Kelly D
703 Not Verified
704 McLean Kelli D [2].... 806-3376
705 Kaczor Edward S [3].... 544-0490
706-707 Not Verified (2 Hses)
802ⓃCorcoran Kathleen.... 806-0288
803ⓃPierce Beth & Jon
804 Dunbar Ashley M [3].... 544-8757
901ⓃHall Kiley S
902ⓃBarrett Carol E
903 Corsi Michael [8]
904ⓃWillett Mandy S
1002 McEwen Donald [4]
1101 Not Verified
1102ⓃBrenneman Amy.... 806-0738
Selander Eileen C [2]
1103 Fuller Amanda F [2]
1104 Not Verified
1105 Blanton Michael G [9]+

HARRIER CT
Muncy Meredith [7]
1111 Perryman Brett S [8]
Perryman Jonathan R
1201 Mason James W [9]+ ♠
Mason Vincent E
ⓃWright Quincy L
1202 Galbraith James A & Catherine [8] 361-3686
1208 Bartlett F W II
Bartlett Kathleen K [4]
1301 Vandeusen Cornelius C [5]
1302ⓃGlass Kevin S
1303ⓃGooden Fredrick L
1304 Lem Brad [3].... 405-2784
Lem Rebecca E.... 405-2784
1305 Not Verified
1309 Alford Tisha N [8]
1401 Not Verified
1402 Bullock Lisa [2].... 806-8027
1403-1501 Not Verified (3 Hses)
1502 Watson Melvin J [5].... 544-6095
1503ⓃWisyanski Anthony C
1505 Ault Misti M [9]+
1601 Not Verified
1603 Nottingham Marnise L [4] 361-3537
1701 Not Verified
1702ⓃBattle Regina
1703ⓃSchwab Alisa M.... 484-3148
1704 Not Verified
1705 Westbrooks Jeff N [2].... 572-9462
Westbrooks Wayne.... 572-9462
1706 Not Verified
1801 Hurte Cedric T [4].... 484-7541
1802 Not Verified
1804 McCallop Alton D [4]
McCallop Michelle J
1805ⓃMorack Niffer
1903-1904 Not Verified (2 Hses)
1905 Stupak Regina M [3].... 806-2341
1906ⓃHe Shan
2001 Cooper Wallace M [2]... 484-7591
2003ⓃRankins Katrina N
2004ⓃGolonka Daniel J
2005 Not Verified
2006 La Marque Natalie [2].... 484-1703
2101 Dyson Susan L [2].... 484-7409
2102ⓃDawkins Dena M
2103 Corbell Jayme B [3].... 484-1724
BUSINESSES 1 HOUSEHOLDS 102

HARRIGAN CT (DURHAM)-FROM 1520 GLASGOW ST NORTH
· ZIP CODE 27705 CAR-RT C003
6ⓃDouglas Eric L & Angela ♠ 479-2015
7 Riner Ronald K & Yolenda [7] ♠ 479-0269
8 Love Joseph E & Jacqueline [8] ♠ 477-4421
9 Nguyen Mien [6] ♠.... 479-4381
HOUSEHOLDS 4

HARRIMAN RD (DURHAM)-FROM 3201 HADDON RD NORTHWEST
+*RIDGE RD CONTINUES*
· ZIP CODE 27705 CAR-RT C027
2803 Cain Sheila M & James [7] ♠ 403-3569
+*CROMWELL RD INTERSECTS*
2900 Mulero Luz A [8] ♠
Mulero Rafael A
ⓃSantos Diogenes ♠
2901 Lesson Marlene D [3] ♠
2905 Not Verified
2909 Aitken Rev Paul W & Ruth [9]+ ♠ 489-5491
2913 Mitchell Gary E & Carolyn [9]+ ♠ 489-5320
2916 Diehl-Hall Jane H [9]+ ♠ 490-3094
+*HADDON RD BEGINS*
3000 Craige Ernest T Jr.... 401-6332
Craige Tito [2] ♠.... 401-6332
3003 Howard Lucy A & Larry [9]+ ♠
3004ⓃBriggs Francine.... 489-3419
3010 Engelstein Ahleen D [9]+ ♠ 493-4399
3011 Not Verified
3015 Roberts Bennett W [9]+ ♠ 489-5081
Roberts Bwc C.... 489-5081
3020 Johnson Joseph M & Carmela [9]+ ♠.... 490-5443
+*DOUBLEDAY PL INTERSECTS*
HOUSEHOLDS 15

HARRINGTON PL (DURHAM)-FROM 2657 KIRBY ST WEST
· ZIP CODE 27713 CAR-RT C001
1 Howard Brenda D [9]+
2 White Monique T.... 596-4988
White Oscar W Jr [9]+ ♠ 596-4988
5 Hembrick Betty R.... 596-4677
Hembrick Thomas D [9]+ ♠ 596-4677
8 Hardy Troy C & Ruby [9]+ ♠ 596-4956
9 Shuler Frank L & Sandra [9]+ ♠
10 Rempson James T Jr & Hazeline [8]+ ♠.... 696-4428
12 Royster Brooks.... 598-8503
Royster Donald [7] ♠... 598-8503
81 Keefe K B [2].... 596-1109
HOUSEHOLDS 8

HART ST (DURHAM)-FROM 299 CODY ST EAST
+*S MAPLE ST CONTINUES*
· ZIP CODE 27703 CAR-RT C001
1901 Howard Charlie [9]+ ♠.. 596-0674
Howard Gloria J.... 596-0674
1904 Not Verified
1905 Parker Hubert [9]+ ♠.... 596-1905
1906 Not Verified
1907ⓃAguilon Olivia.... 598-5020
1908 Not Verified
1909 Clark Carlton W & Cynthia [9]+ ♠ 596-6197

Details For: HARPER/MONMOUTH
Year 2002 **Source** Polk Directories **TP** - **Adjoining** X

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ORCHARD WAY

Stone Willie E 220-2637
1102 Deshields Aleatha M ②
1103 Deshields Rosetta M ③+ ♠
..... 220-0445
1104 Curry Nathan B & Deloros ③+ ♠
1106 Faison Flora J ③+ ♠ ... 220-0453
1107 Woyee Jackie
Woyee Tanneh ② ♠
1108 Not Verified
1110 Boone Alex L 220-0609
Boone Sarah K ③+ ♠ 220-0609
1111 McMillan Rev Charles T & Lucille
③+ ♠ 220-2083
1112 Lloyd Kim L ③ ♠
1114 Covington Jeanette D ② ♠
..... 220-0288
1115Ⓓ Royall Belinda H ♠
1116 Street Carolyn
Ⓓ Street Darryl ♠
1117 Cradle Omega D ③ 220-7707
1200 Not Verified
1201 Frazier Douglas H ② ♠
..... 220-5212
Frazier Retha 220-5212
1202 Smith Mallory L
Smith Mia B ② ♠
1203 Couch Andrew T & Gloria ③+ ♠
1204 Mims Brian P ③+ ♠ 220-0509
Mims Doris P 220-0509
1205 Parker Lisa C ③ ♠
1206 Harris Willie E & Deborah Lynn ③+
♠ 317-1728
1207 Jones Tracy D ③ ♠
1208 Not Verified
1209 Scales Teyeh L ③
TAS SERVICES tax return
preparation 401-1944
1210 Bowick Kevin I ② ♠
Bowick Vonya C
1211 Vinson Nathan A Sr & Rosalind ③+
♠ 220-0068
1212 Booker Elijah L Jr & Towanda ②
♠ 220-5081
1213 Spivey Acie Y ② ♠ 220-3123
BUSINESSES 1 HOUSEHOLDS 28

ORCHID CT (DURHAM)-FROM 5227 GREYFIELD BLVD SOUTHEAST

+BLUEBIRD CT BEGINS
· ZIP CODE 27713 CAR-RT R023
2 Norton Jennifer E ③ 489-1052
3 Linn Caroline ⑤ ♠ 403-7056
Linn Chieh J 403-7056
4 Rohde Marshall J & Rebecca ③+ ♠
..... 490-1747
5 Dubick Janet A ③
6 Weaver Carolyn J ③ ♠ 493-8722
7 Clark Michael C ③+ ♠
8 Childs Randal V ② ♠ 403-6369
HOUSEHOLDS 7

OREGON ST (DURHAM)-FROM 1701 PACE ST SOUTH

+ERWIN RD CONTINUES
+PACE ST BEGINS
· ZIP CODE 27705 CAR-RT C023
205 A-F Not Verified (5 Apts)
206 Scharf Mandy C ③+
A-X Not Verified (17 Apts)
301 Vangorp Michele ⑤
302 A-L Not Verified (18 Apts)
+BYNUM ST BEGINS
+VANCE ST BEGINS
+CAMPUS DR INTERSECTS
+DUKE UNIVERSITY RD INTERSECTS
HOUSEHOLDS 42

ORIENT ST (DURHAM)-FROM 735 W TRINITY AVE NORTHEAST

· ZIP CODE 27701 CAR-RT C007
906 Not Verified
907 Dooley Kimberly L ③
910-913 Not Verified (2 Hses)
914 Cockrell Betty M 688-0832
Cockrell Jack C ③+ ♠ 688-0832
915 Rhule Dana M ②
918 Pettiford Kermit P & Dorothy ③+ ♠
..... 682-1672
919 Schonwald Aaron ②
Schonwald Ellen B
920-925 Not Verified (5 Hses)
926 Moore Kimberly
Ⓓ Moore Michael E ♠
928-929 Not Verified (2 Hses)
932ⓉTorres Roberto 683-1793
+DACIAN AVE INTERSECTS
HOUSEHOLDS 17

ORINDO DR (DURHAM)-FROM 5201 BARBEE RD EAST

· ZIP CODE 27713 CAR-RT C005
500 Young Robert B Jr & Margaret ③ ♠
510 Faucette Betty H ③+ ♠ . 544-3525
511 Young Alice H ③+ ♠
516 Alston Roland Jr 544-3618
Alston William R Jr ③+ ♠
..... 544-3618
517 Ragland Lennie B & Belinda ③+ ♠
..... 544-7139
521 Hill Howard D & Carrie ③+ ♠
522 Not Verified
525 Owens Lewis N Jr & Pamela ③+ ♠
..... 544-2819
526 Fike Angela D 544-3233
Fike Elnora D ③+ ♠ .. 544-3233
529 Laster Edward A & Ruby ③+ ♠
..... 544-7011
530 Wright Mary E ③+ ♠
602 Steele Deborah W 544-2707
Steele Sandy ③+ ♠ 544-2707
608 Long Robert N Jr & Vicki ③+ ♠
..... 544-3847
613 Davis Thurston R II & Joyce ③+ ♠
..... 544-4223
614 Steele Marjorie S ③+ ♠
..... 544-6958
Steele Peechers 544-6958
615 Black James C & Mary ③+ ♠
..... 544-7215

ORINDO DR

618 Yongue Joseph H & Cassandra ③+
♠ 544-3367
622 Stroud Bobby L & Barbara ③+ ♠
..... 544-7484
623 Wicker Floyd W Sr & Evelyn ③+ ♠
..... 361-5823
626-827 Not Verified (2 Hses)
+ROBINWOOD RD ENDS
704 Lawrence Tarqueena ⑤.. 572-6899
706 Not Verified
HOUSEHOLDS 23

ORIOLE DR (DURHAM)-FROM 3914 HOPE VALLEY RD EAST

· ZIP CODE 27707 CAR-RT C019
2304 Gesell Scott M & Donna ③+ ♠
..... 490-0234
2307 AMERICAN HUMAN SERVICE
social serv 493-9165
ⓓPaul Larry 401-1857
2308 Gibson Patricia M ③+ ♠
..... 493-2120
Gibson Thomas C 493-2120
2311 Oakley Robert L ③+ ♠ 489-0930
2312 Not Verified
2315 Overfield Margaret E ③+ ♠
..... 489-9876
2316 Kemnitz Alina M ③+ ♠ 493-7152
2319 Not Verified
2320 Cragg Michael S & Paige ⑥ ♠
..... 403-5328
2323 Harris Beulah M ③+ ♠ 489-0670
2324 Merrick Sandra E ③
2327 Duser Arthur W ③+ ♠. 493-8284
2328 Tambe Naren G ③+ ♠ 489-7098
Tambe Samir A 489-7098
2331 Boyington Alice R 490-0301
Boyington Ronald E ③+ ♠
..... 490-0301
BUSINESSES 1 HOUSEHOLDS 14

OSAGE PL (DURHAM)-FROM 4363 LAZY RIVER DR SOUTHEAST

· ZIP CODE 27712 CAR-RT R027
2 Gharbo Samy S & Christy ③ ♠
..... 479-9627
3 Wright Deborah
ⓓWright Kenneth D ♠
4 Hajdin John W ② ♠ 479-0594
5 Boyd Mavis B
Boyd Roosevelt Sr ② ♠
6 Garber Amanda M 471-5630
Garber John C Jr ③ ♠
..... 471-5630
7 Seawright Dover F III & Cynthia ③ ♠
..... 479-0096
8 Baker Patrick W & Rae ⑥ ♠
..... 479-0586
80ⓓCorvi Michael R
HOUSEHOLDS 8

OSBORNE PL (DURHAM)-FROM 4899 MONTVALE DR SOUTHWEST

· ZIP CODE 27705 CAR-RT C031
3 Madden David J & Lois ③+ ♠
..... 489-5490
5 Ray Rusty 493-5096
Ray William A III ③+ ♠
..... 493-5096
6 Silverstone Aron L ② ♠ 490-1422
Silverstone Tal 490-1422
7 Not Verified
9 Philbrick Karen B & Mark ③+ ♠
..... 489-2729
10 Gotwals Robert R Jr & Kimberly ③+
♠ 490-1628
11 Not Verified
HOUSEHOLDS 7

OSPREY PL (DURHAM)-FROM 4751 SHADE BUSH DR NORTHEAST

· ZIP CODE 27712 CAR-RT R027
2 Cooper Donna J ④ ♠
5 Mason Gregory C & Angela ③ ♠
..... 479-0241
6 Harrison Gery B & Muriel ③ ♠
..... 471-0230
7 Bowen Laura E ② ♠
8 Panna Michael A & Kara ③ ♠
9 Phillips Joyce J ③ ♠ 620-8615
10 Buttry John W Jr & Terri ③+ ♠
..... 620-6800
11 McCorison Andrew B & Stacey ③+ ♠
..... 471-8234
HOUSEHOLDS 8

OTHER DUCK RD (DURHAM)-FROM 5639 TURKEY FARM RD NORTHWEST

· ZIP CODE 27705 CAR-RT R001
3218 Mead Mark N & Terri ⑤ ♠
..... 932-6907
HOUSEHOLDS 1

OTIS ST (DURHAM)-FROM 300 FORMOSA AVE SOUTHWEST

· ZIP CODE 27707 CAR-RT C037
2000 Rahim Juanita ④ ♠ 688-7921
Rahim Zakes 688-7921
2002 Lucas Herman 688-1212
Lucas Julia W ③+ ♠ .. 688-1212
2003 McCray Emily F ②
2004 Marks Beth D ③ ♠ 956-9040
Marks Najma N 956-9040
2005 Gray Janson W ⑤ 956-9593
2008 B & M CLEANING SERVICE bldg
component cing se 683-6728
Marrow Angela H & Berry ③
..... 687-4461
2010 Not Verified
2011 Williams Joyce C ⑤ ♠. 682-2062
2012 Berry Barbara P ④
Berry Cheryl
+PEKOE AVE INTERSECTS
2100 Black Shana S ③ 682-6000
2104 Bright Kenneth O 682-8215

OTIS ST

Bright Veatrice J ③+ ♠
..... 682-8215
2109 Deberry James H III ② ♠
2111 Barnes Isham G 682-3446
Barnes Lou ③+ ♠ 682-3446
Martin Anna ④
2112 Not Verified
2114 Dixon Claude S & Estella ③+ ♠
..... 688-2390
2117 Not Verified
+NELSON ST INTERSECTS
2201 Leathers Winnie J ③+ ♠
2205 Frazier Golan S Sr ③+ ♠
..... 682-4413
2211 MC DUFFIE RUG CLEANERS &
SERVICE carpet cing plt
..... 688-9210
McDuffie James C & Dorothy ③+
♠
2213 Scarborough Emma J ③
..... 683-8404
2217 Coffin Rita L ③
2219 Williams Haywood 682-3233
Williams Virgie H ③+ ♠
..... 682-3233
2224 Steele Richard C Sr & Linda ③+ ♠
..... 956-9449
+CECIL ST INTERSECTS
2226 Parrish Jacqueline D ④ 956-9939
2228ⓓVaughan Tony R
2302 Not Verified
2302 A1 Smith Derick L ⑤... 686-0571
A1 Smith Shawn L 686-0571
2303 Patterson Lillie M ⑤ 956-8074
2305 Gurley Angelia ③+
+RAILROAD CROSSES
+E WEAVER ST INTERSECTS
+W WEAVER ST INTERSECTS
2402 Johnson Elna R ③+ ♠. 688-5119
2404 Greene Tina L ⑤ ♠ 956-8063
2405 Not Verified
2408 Dunn Yolanda A ③+ ♠
2411 Edwards Darilyn T & Deloras ⑥ ♠
..... 956-9862
2413 Not Verified
2414 1 Taylor J C ⑤
1 Taylor Mark C
2 Hill Michael V ③ 680-2252
2415 Not Verified
+E ALTON ST INTERSECTS
+W ALTON ST INTERSECTS
2419 Butler Johnny H ③+ ♠ 688-0118
Butler Tonia D 688-0118
2422 Shuler Marva C ③
+RED OAK AVE INTERSECTS
2423-2425 Not Verified (2 Hses)
2500 Sutton Victor T Sr & Thelma ③+ ♠
..... 688-2723
2501 Not Verified
2504 Scott Jennifer B ③ ♠
2505 Not Verified
2506 Conyers Arthur G ③+ ♠
..... 682-3684
Conyers Rev Otis L 682-3684
2507 Morris Denise ②
2508 Not Verified
2509ⓓMcNeil Koressa L
2510 King Rev Henry A & Hattie ③+ ♠
..... 682-7750
2511 Bates Bertie W ②+
2512ⓓHeggins Tina L
2514 Andrews Louise E ③+ ♠
..... 682-7710
Andrews Mary L 682-7710
2515 Judkins Dorothy C ③+ ♠
..... 682-4558
2519 Hunte Allan L & Doris ③ ♠
..... 956-9975
+E PILOT ST BEGINS
+W PILOT ST BEGINS
BUSINESSES 2 HOUSEHOLDS 57

OTTAWA AVE (DURHAM)-FROM 500 OAKWOOD AVE EAST

+N QUEEN ST CONTINUES
· ZIP CODE 27701 CAR-RT C024
403 Mendoza Rosalinda ③.... 682-0342
404 Whitney Lataunya D ②
405 Not Verified
407 Hanneh James Jr ③+..... 683-2021
Hannah Mary L 683-2021
408 Not Verified
+OAKWOOD AVE INTERSECTS
506-507 Not Verified (2 Hses)
508ⓓBlackman Gany D 688-4883
509-511½ Not Verified (2 Hses)
512 Johnson Robin ⑦ ♠ 688-6941
516 Not Verified
+GURLEY ST INTERSECTS
HOUSEHOLDS 12

OTTERS RUN (DURHAM)-FROM 1823 UMSTEAD RD SOUTHEAST

· ZIP CODE 27712 CAR-RT C006
1 Not Verified
2 Stanevage Leonard B & Elizabeth ⑤ ♠
..... 382-7573
3 Not Verified
5 Ashby Philip T Jr & Wendy ③ ♠
..... 309-1126
6ⓓKortis James N Jr ♠
Kortis Trina L
7ⓓLi Eugene ♠
8 Turner Doris ② ♠ 309-1337
9ⓓGerardo Charles ♠
10 Beckno Judy A ③ ♠ 383-6511
11 Vurnekes James G & Frances ③ ♠
..... 383-8203
12 Smith Charles C & Emma ③ ♠
..... 383-8780
14 Clary Erik M & Ashlyn ③ ♠
..... 383-2634
15 Cruise Steve A ③+ ♠ 309-9157
HOUSEHOLDS 13

OVAL DR (DURHAM)-FROM 2161 W CLUB BLVD NORTH

+OAKLAND AVE CONTINUES
· ZIP CODE 27705 CAR-RT C050
1110 Fowler Joyce D ③+ ♠. 286-1330

OVAL DR

1112 Layton Harold E ③+ ♠
1116 McLaughlin Nancy D ③+ ♠
..... 286-0081
+W CLUB BLVD INTERSECTS
1202 Barnhardt Agnes W & Emma ③+
♠ 286-3700
1204 Not Verified
1206 Feaver Peter D & Karen ③ ♠
..... 286-5641
+OAKLAND AVE INTERSECTS
HOUSEHOLDS 6

OVERBY RD (DURHAM)-FROM 4701 BAY POINTE DR EAST

· ZIP CODE 27713 CAR-RT R023
103 Hatch Lula M ③+ ♠ 544-2776
107 Covington Lanny W & Ruth ② ♠
111 Not Verified
112 Brewster Ana D ③ ♠ 572-2262
116 Brewster Leslie L ③ 808-1779
Brewster Nikki N 808-1779
117 Not Verified
+MIMOSA DR INTERSECTS
HOUSEHOLDS 6

OVERHILL TER (DURHAM)-FROM 899 E FOREST HILLS BLVD EAST

· ZIP CODE 27707 CAR-RT C026
706 Friedman Bruce L & Emily ③+ ♠
..... 490-4923
710 Butts Asa C 489-1040
Butts John D Jr ③+ ♠
..... 489-1040
714 Burkill Michael E & Ninna ③+ ♠
..... 490-0573
720 Bacot Christine ② ♠ 401-5133
Bacot H 401-5133
+W ENTERPRISE ST INTERSECTS
+E FOREST HILLS BLVD INTERSECTS
HOUSEHOLDS 4

OVERLAND DR (DURHAM)-FROM 1200 MIDLAND TER

· ZIP CODE 27704 CAR-RT C007
2119 Not Verified
2121 Williams Scott F & Jennifer ④
..... 683-1836
2122 Blackwell Cledith R & Laura ④ ♠
..... 682-9587
DARE TO BE DIFFERENT
CLEANING bldg mtce serv
..... 682-9587
2123 Not Verified
2125ⓓBishop Melanie L
· ZIP CODE 27704 CAR-RT C015
2218 Rigsbee Gery H & Linda ③+ ♠
..... 688-5770
2222 Not Verified
2223 Webb William L & Charlotte ③+ ♠
..... 682-3920
+AMBERLY DR INTERSECTS
2301 Wheat Wilmetta A ④ ♠
..... 688-6465
2305ⓓBergs Alvis E
2308 Alvarez Raymond O Sr ③+ ♠
..... 688-8905
2314 Burton Kenneth R & Kimberly ② ♠
..... 667-0625
2315 Gattis Miriam K ③ ♠ ... 682-8749
2317ⓓFields Dee ♠
2318 Wiggins Michael R ③+ ♠
..... 688-4693
Wiggins Nite K 688-4693
2321-2322 Not Verified (2 Hses)
2324 Moore Madeline N ③ ♠
BUSINESSES 1 HOUSEHOLDS 18

OVERLOOK AVE (DURHAM)-FROM 4911 HIGH MEADOW RD EAST

· ZIP CODE 27712 CAR-RT C009
201 Hill Henry Jr ③ ♠
Hill Tammy J
202 Ocklebran Marvin L & Pansy ③+ ♠
..... 479-1118
205 Blackwell Dana K ② ♠
206 Smith Gordon L ③+ ♠... 477-1891
Smith Margie T 477-1891
207 Richards Frances W & Franklyn ③+
♠ 477-3327
208 Green Edward M ③+ ♠
Green Leslie M
211 Not Verified
212 Lawson Rabar J & Evelean ③+ ♠
..... 477-0079
215 B & L SERVICE lawn garden serv
..... 471-9289
Pearson Liston A & Sharon ③+ ♠
..... 471-3738
216 Smith Maxie N Jr & Phyllis ③+ ♠
..... 471-4117
217 MARSHATRE CHARITABLE
FOUNDATION individual/fam serv
..... 477-2628
MARSHATRE DOLL & BEAR
EMPORI hobby toy/game
shops 477-3983
219 Smith Reesa ③+ ♠ 471-2487
220 Harley Julie M
Harley Legrande ④ ♠
223 Squires Sonya ③ ♠
224 Graham Loreana C ③+ ♠
227 Hughes Chester H ③+ ♠
..... 471-0882
Hughes Larrie M 471-0882
228 Burnett Apryl S 471-0034
Burnett Samuel Jr ③+ ♠
..... 471-0034
230 Carter Joyce A ③+ ♠
231 Not Verified
233 McNeil Willie E & Carrie ③+ ♠
..... 477-8011
234 Lattimore Caroline L ③+ ♠
..... 471-3764
237 Blue Bernice
Blue John L ③+ ♠
241 Jennings James D Jr & Paula ③+ ♠
+FOXHUNT DR INTERSECTS
BUSINESSES 3 HOUSEHOLDS 22

OWENS ST (DURHAM)-FROM 2865 WELDON TER SOUTHEAST

+ANGIER AVE CONTINUES
· ZIP CODE 27703 CAR-RT C001
2305-2307 Not Verified (2 Hses)
+BRUCE ST INTERSECTS
2400 Leegrant Diana B ③+... 596-9476
2401 Harris James J Jr ③.... 957-7343
2403 Not Verified
2404 Mitchell Ruby ③ 598-8699
2405-2408 Not Verified (2 Hses)
2410 Dove Sheila ③ 596-0062
2411 Not Verified
2413 Cozart Clinton D 596-2627
Cozart Rosetta ③+ ♠ . 596-2627
2415 Not Verified
2416 Houze Belinda F ③+ 596-2436
2417 Hayes Teresa ③
2420 King Carolyn ③+..... 596-1898
+BINGHAM ST BEGINS
2603 Askins Johnny M & Latonya ② ♠
2606 Bullard Lisa
ⓓBullard Wendell
2607 Bagley Derrick L 596-0704
Bagley Jimmy R ③+ ♠
..... 596-0704
2608 Thompson Barbara J ③ ♠
+BOONE CT BEGINS
2609 Blake Donald R ③ ♠
2612 Not Verified
2613 Harris Carol T ⑤
2615 McLeod B 596-5245
McLeod Judith A ③ ♠ 596-5245
2616 McCray Margaret L & Benjamin ③+
♠ 598-9750
2617 Toomer Pauline N ③+ ♠
..... 596-1433
Toomer Tracy O 596-1433
2618 Raines James L Sr ③+ ♠
..... 598-5714
Raines Maggie R 598-5714
2619ⓓDempson Ray 598-8995
2621 Hinton Anderson N Sr & Althea ③+
..... 596-3170
2622 Johnson Michael A 596-3978
Johnson Osie M ③+ ♠
..... 596-3978
2623 Green George T Sr & Betie ③+ ♠
2626 Bright Geraldine B ③ ... 598-9948
2627 Richardson English ③+ ♠
..... 596-8952
Richardson Jamie 596-8952
+WELDON TER INTERSECTS
+S BENJAMINE ST INTERSECTS
2701 McCoy Vivian G ③+ ♠
2704 Brown Robert J Jr & Marjorie ③+
♠ 598-8606
2705 Rochelle Arthur L ③+ ♠
..... 598-7738
Rochelle Susan 596-7738
2706 Mason Willie M ③+ ♠.. 596-3331
2707 Beal Stephanie
Beal Willie M ② ♠
2709 Not Verified
2710 Clayton Charlie & Mary ③+ ♠
..... 596-3551
2711 Ruffin Betty D 596-8078
Ruffin Hezekiah K ③+ ♠
..... 596-8078
2712 Harrington Cherry D ③+
2714-2715 Not Verified (2 Hses)
2718 Fogg Jonathan
Fogg Pamela R ③+ ♠
2719 Green Daryl S ③ ♠
2720 Via Wallace B & Sharon ③+ ♠
..... 596-0110
2721 Chambers Sadie G 596-3966
Chambers William M ③+ ♠
..... 596-3966
2722ⓓBallard W 596-8415
2723 Williams Donna L ③+ ♠
..... 598-3153
2725 Lewis Sherman L ③
2726 Green James D Jr ③+ ♠
Green Tonya R
2727 Short Mary E ⑤
2728 Evans Floyd C Sr & Ina ③+ ♠
..... 596-1366
2729 Jones Evelyn C ③+ ♠. 957-9221
2732 Hunt Stella L ③ ♠
2733 Deberry Anthony W 596-7533
Deberry Pauline ③+... 596-7533
2734 Garner Harold
Garner Ola M ③+ ♠
2735-2801 Not Verified (3 Hses)
2805ⓓAlford Regina C ♠
2806 Not Verified
2808 Lollin Johnnie R & Brenda ③+ ♠
..... 596-5325
2809 Stevens Edith D ③+ ♠ 596-7286
Stevens Jamila Z 596-7286
2810 Taylor Eunice A 596-6576
Taylor Jacquelyn E ③+ ♠
..... 596-6576
2811 Hayes Ezra M Sr ③+ ♠
..... 598-5089
Hayes Vincent B 598-5089
2815 Rogers Samuel J Jr ③+ ♠
..... 596-8042
HOUSEHOLDS 67

OWLS WOOD LN (DURHAM)-FROM 4659 W CORNWALLIS RD

· ZIP CODE 27705 CAR-RT R001
4643 Edwards Carol M ②
Edwards Steven A
HOUSEHOLDS 1

OXFORD DR (DURHAM)-FROM 2901 UNIVERSITY DR SOUTH

· ZIP CODE 27707 CAR-RT C017
3009ⓓBradbury John 401-3841
+YORKDALE CT INTERSECTS
3010 Crowley Lynn S ③+ ♠. 489-1271
3011 Shapiro Lynn J ③+ ♠ ... 493-1219
3013ⓓBoone Rebecca A
Lowther Nicholes A ② ♠
..... 403-9149
Lowther Rebecca 403-9149

Details For:	Year	Source	TP	Adjoining
ORIENT ST	2002	Polk Directories	-	X

W TRINITY AVE
+N MANGUM ST CONTINUES
· ZIP CODE 27701 CAR-RT C007
102 Brooks Lance R & Michelle [2] ♠ 688-1801
104 Moore Daniel W [4] 680-3234
106 Nadelson Robert E [7] 688-5915
107-108 Not Verified (2 Hses)
109(N)Javier Oscar 682-7487
110 Not Verified
111 Woolley Britt C
(N)Woolley Donald P ♠
112-117 Not Verified (4 Hses)
118 Harris Thomas A & Polly [9]+ ♠ 682-6971
119 Fischer Suzanne A [2] ♠ 530-1254
120 Not Verified
121 McLean Clara B [8]
122 Roberts John D & Mary [9]+ ♠
+GLENDALE AVE INTERSECTS
+N ROXBORO ST INTERSECTS
201(N)Bullock Aubrey 687-7791
202 Swanson Carolyn 688-9001
Swanson P [9]+ ♠ 688-9001
203 Whitaker Jimmy L [1] 682-1350
204 Skinner Brooks Jr 956-8061
Skinner Thomas B Jr [9]+ ♠ 956-8061
205 Rogers Thomas D [2] ♠ 680-6684
206 Not Verified
207(N)Robertson Shandra 956-2791
208 Wallis Catherine F
Wallis John L [6]
209 Moore William E [8] 680-2522
210 Rodelli Diane T [3] ♠ 688-7382
+BAY ST ENDS
211 Not Verified
212(N)Corbett Constance B
213(N)McClure William J Jr
214 Carland Tammy R [5] ♠
215-217 Not Verified (3 Hses)
218 Martin Ciblon H [9]+ ♠ 682-4586
Martin Mary 682-4586
219 King Pamela [5]
222(N)Walters Adam ♠
Walters Kelly
224 Williams Octavious [6] 682-5426
2 Wilson Marjorie S [7]
228 Day Charlie T & Sandra [9]+ ♠ 682-7026
230 Johnson Tassie W [1] 687-7075
Johnson Tia N 687-7075
+NORTH ST INTERSECTS
+SHAWNEE ST INTERSECTS
300 Yang Yewen [9]+
2-3 Not Verified (2 Apts)
4 Jiang Hong L [6]
5-14 Not Verified (9 Apts)
301 Rahman Hasan A Sr & Yvonne [9]+
1-11 Not Verified (11 Apts)
12 Batts William Jr [9]+ 687-2951
13-16 Not Verified (4 Apts)
17 Davis Robert L [5] 682-7477
305 18-4 Not Verified (9 Apts)
+N ELIZABETH ST INTERSECTS
307(N)Rosendiz Maria 683-8329
1-O-6 Not Verified (9 Apts)
310(N)Rueda Freddy 688-9055
1 McRae Aaron L [8] 667-1076
2 Not Verified
3 Chavis Shireeka Y [2] 667-1950
4-10 Not Verified (7 Apts)
11(N)Benjamin Marlon S
12-16 Not Verified (5 Apts)
17 Mayhue Lacrashe D [5]
18-20 Not Verified (3 Apts)
311 Hernandez Andres G [8] 530-1751
1-6 Not Verified (5 Apts)
314 Kearns Nyree D [3]
315 Walker John K [5] 688-5438
1 Williams Martha S [9]+ 682-6002
2-10 Not Verified (9 Apts)
317(N)Ramirez Ana J 682-4127
1-10 Not Verified (9 Apts)
319 OXFORD HOUSE TRINITY II 683-2025
320 Hryharrow Jan E 688-4771
Hryharrow John E [8]+ ♠ 688-4771
321(N)Moyofade Josiah
323 Foust Benjamin S Jr & Anita [9]+ ♠ 682-0241
GLOBAL VILLAGE NETWORK RADIO data processing/prepar 682-0712
327(N)Degree Donald ♠
B(N)Lee Julia M
B Lee Shyrone D
C Not Verified
+ROSETTA DR INTERSECTS
403 TRIANGLE D FOOD MART grocery stores 688-6756
+HAMLIN ST BEGINS
+PEACE ST INTERSECTS
+FOSTER ST INTERSECTS
+N ALSTON AVE INTERSECTS
+WASHINGTON ST INTERSECTS
701 WATSON'S INN apts 683-5838
+ORIENT ST BEGINS
+AVONDALE DR INTERSECTS
+RAILROAD CROSSES
804 DUKE UNIVERSITY DIET & FITNESS personal serv 688-3079
EISENSON HOWARD internal medicine prac 688-3079
807 DUKE TOWER RESIDENTIAL SUITES motel 687-4444
129 Weintraub Alexander H [2]
242 Rothman Stacey [9]+
258 Garrett Thomas V [6]
+N DUKE ST INTERSECTS
· ZIP CODE 27701 CAR-RT C003
900 Maldonado Pedro [3] 667-9013

W TRINITY AVE
1-7 Not Verified (3 Apts)
8(N)Sun Daniel 682-2691
9-12 Not Verified (4 Apts)
14 Taborn Anthony J [9]+ 682-7609
15 Not Verified
16 Allen Bettie D 682-5052
16 Allen Walter L [9]+ 682-5052
17 Holmes Nathaniel F [2] 956-2850
18-22 Not Verified (5 Apts)
906(N)Pleasants Robert K 687-4933
1 Weinberger Seth H [2]
2-4 Not Verified (3 Apts)
5 Ward Erin E [2] 688-9021
6-10 Not Verified (5 Apts)
11 Melby Thomas E [2] 682-5454
12 Not Verified
910 Wells Juan [9]+ 682-8532
1A-2A Not Verified (3 Apts)
2B Sharpe Carol B 680-3519
2B Sharpe Lashima S [7] 680-3519
3A-4A Not Verified (3 Apts)
4B Clough Robert W [6] 956-2865
5A-5B Not Verified (2 Apts)
6A Frazior Tiffany V & Todd [4]
6A Hardie Phillip C [5]
6A Hardie Tiffany C
6B-7A Not Verified (2 Apts)
7B Chadwick David E Jr [6]
8A-10A Not Verified (5 Apts)
10B Hunt Sharon D [2]
916 Soltong Edward [7]
1 Spearin Mark J [7] 956-8178
2 Not Verified
3 Williams Marlon A [3] 956-2825
4-6 Not Verified (3 Apts)
7 Cone Norma J [2]
8-14 Not Verified (6 Apts)
15(N)Maltbie Andrew 680-0685
16 Not Verified
17(N)Watkins Aisha S
18-19 Not Verified (2 Apts)
918 Fox Robert [4]
1 Not Verified
2 Walker Sarah C [6] 667-9155
3 Not Verified
4 Mosher Rebecca A [3] 687-4598
920 Szeman Imre J [7]
1 Not Verified
2 Greene Andrea R [3] 688-9441
3-4 Not Verified (2 Apts)
924 O'Shea Vincent J [9]+ 683-2003
1-4 Not Verified (4 Apts)
926(N)Uhler David 687-4876
1-2 Not Verified (2 Apts)
927 TRINITY AVENUE PRESBY WEEKDAY child day care 530-8163
930 Woolard Bryan M [4]
+N GREGSON ST INTERSECTS
· ZIP CODE 27710 CAR-RT C000
1000 WACHOVIA BANK bank 688-3261
· ZIP CODE 27701 CAR-RT C003
1001(N)Thompson Cory S ♠
Thompson Emily
1002 Not Verified
1003 Barrett Linda M [9]+ ♠
1004 Alden Charles J 688-9498
Alden Charles L [9]+ ♠ 688-9498
1005 Harward Mary W [9]+ ♠ 682-3772
Harward Susan A 682-3772
1006 Lane Brian A 682-6866
Lane Harold H Jr [9]+ ♠ 682-6866
1007 Gerbino Giuseppe G [3] 956-5062
A-B Not Verified (2 Apts)
1008 Richter Gorhart C
Richter Ruth M [9]+
1009 Noel William W Jr & Louise [9]+ ♠ 682-2723
1010 Not Verified
1012 Pipkin Marvin E [9]+ ♠ 687-0952
1014 Shields William B Jr & Mary [9]+ ♠ 688-6655
1017 Dashiell Donna [1]
Dashiell Katherine
1019 Beale Duncan M [9]+ ♠ 683-1159
Beale Henry D 683-1159
1020 Tufts Rutledge Jr & Clare [6] ♠ 956-5111
1021 Wheless Evelyn B 688-1986
Wheless Gilbert B [9]+ ♠ 688-1986
1023 Stokes Jeanette [9]+ ♠ 687-4464
1024 Shumaker David H 688-8288
Shumaker Lisa M [3] 688-8288
1026(N)Johannes Matt 667-9472
1030 Davey Francis M [8]+ ♠
+WATTS ST INTERSECTS
· ZIP CODE 27701 CAR-RT C009
1107 ERWIN APTS BEAUTY SALON beauty shops 682-4398
+N BUCHANAN BLVD INTERSECTS
BUSINESSES 10 HOUSEHOLDS 262

TRINNES DR (DURHAM)-FROM 701 COOK RD NORTH
· ZIP CODE 27707 CAR-RT C013
3103 Johnson Howard E Jr [3] ♠
3105 Delariarte Domingo D Jr & Sheila [6] ♠ 686-0104
Rodriguez Pinero S [7] ♠
3107 Tanner Alysia J [5] ♠ 680-2118

TRINNES DR
3108 Meadows Jerry W Jr & Kim [6] ♠ 956-5474
3110 Tanner Nathaniel V & Dewanna [6] ♠
3111 Hill Kevin T [3] ♠ 683-6680
Hill Sylvie 683-6680
3112-3114 Not Verified (3 Hses)
3115 Spells Chester R Jr & Pamela [6] ♠ 688-3200
3116-3117 Not Verified (2 Hses)
3118 Brunson Connie M & Allred [4] ♠
3120 Holloway Sylvia P [3] ♠
3121 Howard William H [6] ♠ 667-0031
3122 Mason Helen J [5] ♠
3124 Williams Derick L & Dena [5] ♠ 682-1141
3125(N)Bailey Charles C ♠
3126 Goss Barbara A [3] ♠
+PULLER CT BEGINS
+CEDARWOOD DR INTERSECTS
+HALSEY PL BEGINS
HOUSEHOLDS 20

TRIPOLI DR (DURHAM)-FROM 2 JAMAICA PL SOUTHEAST
+WILLOWDALE DR CONTINUES
· ZIP CODE 27713 CAR-RT C011
3102(N)Smith John N ♠
Smith Laura
Vincent Brenda C [9]+ ♠ 956-8234
Vincent Christine M 956-8234
3108 Not Verified
3111 Harper Beverly A 682-4835
Harper Susie M [9]+ ♠ 682-4835
3112 Cetes Theron M & Elaine [9]+ ♠
3114(N)Lipscomb Barbara D
3115 Battle Emil V [9]+ ♠ 682-3881
3118 Carter Jacquelin B [6] ♠ 682-7589
3119 Hinton Raginald E Jr [9]+ ♠ 686-0391
+JAMAICA PL BEGINS
3144 SMALL WONDERS DAYCARE child day care 682-0031
+COOK RD INTERSECTS
BUSINESSES 1 HOUSEHOLDS 9

TROON LN (DURHAM)-FROM 2627 UMSTEAD RD NORTH
· ZIP CODE 27712 CAR-RT C003
5100 Foster James H
(N)Foster Shawn C ♠
5101 Hunter Richard A & Katie [5] ♠ 384-8693
5114 ALL SEASON'S LAWN CARE lawn garden serv 818-6617
Parks John W & Denisa [6] ♠ 309-1288
5115 Kelly John T & Francas [9]+ ♠ 383-0089
5119 Not Verified
5122 Akinli Ergun M & Leyla [9]+ ♠ 383-4174
5127 RYAN KEVIN health practitioner 384-0323
Ryan Kevin J [2] ♠ 384-0271
5130 Not Verified
5133 Cameron Robert W [9]+ ♠ 383-3580
5139 Grant Augustus O Jr & Stephenie [9]+ ♠ 383-6853
5140 Goodwyn John D Jr & Judith [9]+ ♠ 383-2807
5149 Losee Wilmot H Jr & Jean [9]+ ♠ 383-4674
+INVERNESS DR ENDS
BUSINESSES 2 HOUSEHOLDS 12

TROTTER RIDGE RD (DURHAM)-FROM 4001 LIVINGSTONE PL WEST
+GARRETT RD CONTINUES
· ZIP CODE 27707 CAR-RT C036
4001 Yandle Howard A & Betty [9]+ ♠ 489-2440
4006 Anglin Kim E [9]+ ♠ 489-0273
Anglin Peggy A 489-0273
4007 Karasek Lynne [7] ♠ 489-1155
4009 Not Verified
4010 Harp Donald R & Gladys [9]+ ♠
4013 Weisner Charles J & Jewell [9]+ ♠ 493-1151
4014 Mitchell Amos D & Edna [9]+ ♠ 489-4851
4018 Tugwell Richard E & Patricia [9]+ ♠ 493-1164
4019(N)Herrod Lillian J ♠
Herrod Millecent
4022 Not Verified
4023 ANN'S CREATIONS horse pet accessories 402-6025
9193 Wahlmeier Donna K 401-6235
9193 Wahlmeier Jessica [4] 401-6235
4027 Hurley Patrick J [4] ♠ 403-8256
+LIVINGSTONE PL BEGINS
4030 Not Verified
4031 Berger Kenneth W & Katherine [9]+ ♠ 489-0228
4035 Griffin Mary S 493-0026
Griffin Richard T [7] ♠ 493-0026
+COBBLESTONE PL BEGINS
4101 Not Verified
4102 Pankey Aleyah P [4] ♠ 419-8541
4105 Lambert Pharis H & Hope [9]+ ♠ 493-7636
4106 Ford Stephen M & Jacquelin [9]+ ♠ 489-7346
4110 Linn Carl P Jr & Janice [9]+ ♠ 403-0475
+COTSWOLD PL BEGINS
4114 Osterneck Rhonda C & Robert [9]+ ♠ 489-5075
4118 Not Verified
4121 Deberry John R Sr & Renne [9]+ ♠ 489-7812
4123 SWAIN COMMUNICATIONS adv agcy 493-4106

TROTTER RIDGE RD
Swain Ronald L [9]+ ♠ 493-4106
4124 Dortch Ila H & Thurman [9]+ ♠ 493-6114
4128 Not Verified
4129 Galla Katja 401-1805
Galla Stephen B [3] ♠ 401-1805
4132 Sanders Stewart H & Sara [9]+ ♠ 403-8165
4133(N)Donofrio Christe M
Donofrio Paula M
4134 Newton Catherine A 403-2747
Newton David E [6] ♠ 403-2747
4137 GEORGE WEBB CONSULTING busn conslt 490-6410
Webb George W [6] ♠ 490-6410
4138-4141 Not Verified (2 Hses)
4142 Newell John B [6] ♠
4143 Boes Terence [6]
John Beth
(N)John Woods C Jr
+LIVINGSTONE PL INTERSECTS
4201 Aiken Janet M [4] ♠ 401-2068
4204 Wilkerson David L & Sheila [9]+ ♠
4205 McCloud William N & Rose [6] ♠ 489-8860
4206 Connelly Bernard J [3] ♠ 403-1453
Connelly Ina M 403-1453
4209(N)Shoe James M & Cessandra ♠
4210 Williams Teddy L & Katherine [9]+ ♠ 493-4405
4211 Richardson Matthew W [3] ♠ 493-6541
4214 Chuey Cynthia M [7] ♠ 403-0278
4215(N)Dunlap John E & Maureen ♠ 493-8254
4217 Not Verified
4218 Smarrella Todd J & Tracy [3] ♠
4220 Pleim Jonathan E [6] ♠ 490-0907
BUSINESSES 3 HOUSEHOLDS 48

TROY ST (DURHAM)-FROM 1925 BOWEN ST SOUTHWEST
· ZIP CODE 27703 CAR-RT C001
605(N)Haynes Misli A
610 Holmes Deltha R 596-7711
Holmes Isaac R [3] 596-7711
613-614 Not Verified (2 Hses)
615 McKinnon Rev James E Jr
McKinnon Sarah F [9]+ ♠
618 McKinnon Wanda L & Marcus [5] 596-9486
619 Coleman Rosalind L [6] ♠ 596-4767
622 McAllister Willie D & Wilhelmin [9]+ ♠
626 Harris Cheryl E 596-3079
Harris Emma J [9]+ ♠ 596-3079
630 Hubbard Sherry R 596-7879
Hubbard William J [9]+ ♠ 596-7879
634 Edwards Annie L [9]+ ♠
638 Teasley Kenya R [7] ♠
642 Davis Alice W [9]+ ♠ 596-1452
646 Malone Charles E 596-3396
Malone Essie B [9]+ ♠ 596-3396
650 Not Verified
654 Snipes Leon B [9]+ ♠ 596-6023
Snipes Rosalind L 596-6023
658 Elliott James M [9]+ ♠ 596-7481
Elliott Lellie W 596-7481
662(N)Jones Tommy
663 FAITH GOSPEL TABERNACLE UNITED religious orgn 596-4533
666-670 Not Verified (2 Hses)
BUSINESSES 1 HOUSEHOLDS 20

TROY MOUNTAIN LN (DURHAM)-FROM 4591 W CORNWALLIS RD
· ZIP CODE 27705 CAR-RT R001
4600 Clark Howard G III & Julia [9]+ ♠ 489-4900
4601 Kelly Glenda T [9]+ ♠ 489-4185
4609 Maltbie Allan A & Kay [8] ♠ 402-1630
HOUSEHOLDS 3

TRUCE ST (DURHAM)-FROM 2499 HARVARD AVE
· ZIP CODE 27703 CAR-RT C003
301 Williamson George H Sr
Williamson Sheila S [8] ♠
305 Ramsey Cecelia A [9]+
Ramsey Loraine
310 Not Verified
311 Ellis Lena [9]+ 596-0411
HOUSEHOLDS 4

TRUMAN ST (DURHAM)-FROM 1501 WABASH ST EAST
· ZIP CODE 27701 CAR-RT C023
53 Williams Tonia [2] 957-2321
A-H Not Verified (4 Apts)
56(N)McMillan Ella 957-7001
A(N)Hardie Wendy A
B-H Not Verified (7 Apts)
57(N)Bluford Daniel 598-8972
A-D Not Verified (4 Apts)
+S ALSTON AVE CONTINUES
1202 Williamson Betty J [5] ♠ 596-9314
Williamson Jon 596-9314
1204 Not Verified
1206 Bernes Arnetta W [9]+ ♠ 586-3334
1210 Roberson Dawne Y [5] 598-4618
1212 Purcell James W [2] ♠
1216 Torain Merike C [9]+ ♠ 596-3884
1218 Not Verified
+ROSEWOOD ST INTERSECTS
+LAKELAND ST BEGINS
+WABASH ST INTERSECTS
+RIDGEWAY AVE INTERSECTS
+COOPER ST BEGINS
HOUSEHOLDS 26

TRUMP CT (DURHAM)-FROM 5259 PICKFORD PL SOUTHEAST
· ZIP CODE 27703 CAR-RT R013
1 Maher Robert L & Robin [9]+ ♠

TRUMP CT
2 Not Verified
3 Hill Wendy [9]+ ♠
4 Hanking Brian J & Lesley [2] ♠ 596-2074
5 Williams George E Sr & Renee [7] ♠ 598-4672
6 Rimmer Calvin W Jr [9]+ ♠
Rimmer Christopher E
HOUSEHOLDS 6

TRUSTEE ST (DURHAM)-FROM 101 COLLEGIATE CIR NORTHEAST
+CHANCELLORS RIDGE DR INTERSECTS
· ZIP CODE 27713 CAR-RT R029
103 Matthews Alton C Jr [3] ♠
Matthews Brigitte V
107 Skvarek James F [2] ♠
109 Carpenter Michael S & Julie [3] ♠ 484-0787
115 Sam Sandra M [3] ♠ 572-9873
117 Garner Jeffrey A & Eileen [3] ♠ 806-3857
119 Shields Edgar W Jr [3] ♠
HOUSEHOLDS 6

TRYON RD (DURHAM)-FROM 2899 TANGLEWOOD DR NORTH
· ZIP CODE 27705 CAR-RT C030
2400 Chambers Robert R & Lucy [9]+ ♠ 493-7272
2407 Keenan Mary J [9]+ ♠ 490-2973
2415 Yelverton Edwin L [9]+ ♠ 493-7158
Yelverton Lane S 493-7158
2418 Burnett William B & Vira [9]+ ♠ 493-6669
2419(N)Clark Dorothea
Danner Richard A [9]+ ♠ 489-4380
Danner Zachary A 489-4380
2422 Miller Martin A & Ylana [9]+ ♠ 489-2926
2423 Harrod Bruce N & Katherine [9]+ ♠ 493-1266
2426 Peake Robert S & Constance [9]+ ♠ 489-7814
2427 Ma Wenhai [8] ♠ 489-7351
2431 Bridge Andrew D & Catherine [6] ♠ 493-2993
2432 Cooper Sharon A [8] ♠ 419-0842
2436 Wilson Ruby L [9]+ ♠ 489-1325
2437 Reckless John B & Lieselott [9]+ ♠ 489-3018
2439 Hallan Evelyn B 403-0340
Hallan Jerome B Jr [7] ♠ 403-0340
2442 Davis James P Jr & Elaine [2]+ ♠ 489-2923
2501 Bluske Carl D & Carlotta [2] ♠ 490-0260
VINTAGE STUDIOS furn stores 309-2933
2502 Hochmuth Robert M & Doris [9]+ ♠ 489-1767
2506 Talley James N [9]+ ♠ 489-9503
2510 Sanders Paul L [8] ♠
2511 Byrd John L IV 493-7621
Byrd Priscilla Y [9]+ ♠ 493-7621
2514 McNair William E & Susan [9]+ ♠ 493-1711
2515 Not Verified
2519 Porgerson Brenda D [9]+ ♠ 489-4305
2524 Not Verified
+WELCOME DR INTERSECTS
2606 Ciftan Mikael E & Elinor [9]+ ♠ 489-9267
+FRIENDSHIP RD BEGINS
2704 Harris Jerry L & Brenda [9]+ ♠ 493-6429
2707 Pickett Michael P & Marianne [9]+ ♠ 419-1171
2708 Wittmann Dietlindo M [9]+ ♠ 493-2805
Wittmann Ute D 493-2805
2711 Belt Douglas A [9]+ ♠ 490-7987
Belt Margery 490-7987
2716 Buzzard Gale H [9]+ ♠ 489-1163
+RIDGE RD INTERSECTS
BUSINESSES 1 HOUSEHOLDS 31

TUCKAWANNA AVE (DURHAM)-FROM 201 S JOYLAND AVE EAST
· ZIP CODE 27703 CAR-RT C009
2603 Moore Joseph C Jr & Helen [9]+ ♠ 596-7276
2605 Hodges-Lofton Shelie Y [3] ♠ 957-1251
2606 Sandling Elmer J Jr [9]+ ♠ 596-5396
2607 Watkins James L [9]+ ♠ 596-6588
Watkins Lloyd 596-6588
2609 Kasel Judith M 596-0904
Kasel Mildred D [9]+ ♠ 596-0904
2616 Pendergraph Tyler A & Joann [9]+ ♠ 596-2880
+S ADAMS ST INTERSECTS
HOUSEHOLDS 6

TUCKER ST (DURHAM)-FROM 509 DOWD ST NORTH
· ZIP CODE 27701 CAR-RT C031
1305 Parker Kenneth L Sr & Dianne [8] ♠ 682-9383
1307 Cozart Emily R
Cozart Jannie L [8] ♠
1309 Thomas F 682-5621
Thomas Mary A [9]+ ♠ 682-5621
1311-1313 Not Verified (2 Hses)
1315 Washington Cotika
Washington Vallie M [6]
1317 Pettiford Collin [2] 680-4842
+LYRIC ST INTERSECTS
HOUSEHOLDS 7

NEW NEIGHBOR
PL (DURHAM)-
HIGHWAY 54
CODE 27713 CA
TRIANGLE PRES
FRESCHL child
Hancock John A
Not Verified
Sylawski Thomas
Merril Raymond
BUSINESSES 1
ST (DURHAM
BARBEE RD E
CODE 27713 CA
Springs Claude M
Fiderly William Jr
Streeter Gloria J
Jonson Rev Law
Green Eugene
Green Lucy T
Edge James W S
Lucius E J
Not Verified
Robert I &
Harris Shirley R
Jones Samuel C
SAMRUBUELA management co
Not Verified
Frederick
Jordan Almeta G
Jordan Audrey
Small William T J
Hodges James A
RD INTERSE
BUSINESSES 1
TREE CT (DU
LOBLOLLY DR
CT (DURHA
GLADSTONE
CLOVERDALE DR
CODE 27703 C
Kirby L Jr
Durham Trumo
Nieves Jose E [4]
Nieves Miriam
Torres Anderson
Not Verified
Estelle [3]
Not Verified
William [6]
Not Verified
Garcia Alfonso
TURKEY FARM RD
3202 TIPI LN
TIPI LN BEGINS
CODE 27705
Wylie Elizabeth
Not Verifi
VISTA DR BEGINS
Yeary Edith M
Yeary Max [8]
OTHER DUCK RD
LOCKRIDGE RD
MILLBEAR RD B
MOUNT SINAI RD
TURNBERRY CIR (
CHEVOIT CT
CODE 27712
Bryan Edward
Bryan Susan
WIZARD WIN
TURNBERRY CT
VINTAGE HILL C
VINTAGE HILL D
Not Verified
Rasmovich Th
Not Verified
Williams Jome
Jones Esther
Jones Wilbur
Gurley Gary
Dedrick La R
Dedrick Step
Not Verified
Davidson Sus
CHEVOIT CT BE
VINTAGE HILL D
BUSINESSES 1
TURNBERRY CT (
CODE 27712
Sharma Anand
Sharma Anu
Roberts Richard
TURNER RD (DUR
LEONARD
CODE 27703
Meadows Ro
Durham, NC

Details For:	Year	Source	TP	Adjoining
W TRINITY AVE	2002	Polk Directories	-	X

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WARING ST
912 Abram Angerletter M
Abram Detoris A [3] ♠
914 Not Verified
915Ⓜ Thompson James E ♠
Thompson Linda
916-918 Not Verified (2 Hses)
920 Ettson Anita P [3]+ ♠ 220-7407
Ettson Shauna 220-7407
921 Not Verified
923 Smith Arnell M [5]+ ♠
Smith Denise M
924 Campbell Lummie S & Kurt [3]+ ♠
927 McClain Thomas F & Phyllis [3]+ ♠
+DA VINCI ST INTERSECTS
HOUSEHOLDS 49

WARNER ST (DURHAM)-FROM 2699 W MAIN ST NORTHEAST
· ZIP CODE 27705 CAR-RT C002
715-719 Not Verified (2 Hses)
721 Forman John E [5]
+HILLSBOROUGH RD INTERSECTS
HOUSEHOLDS 3

WASHINGTON ST (DURHAM)-FROM 1499 ARBOR ST
· ZIP CODE 27701 CAR-RT C007
501 TRC ENVIRONMENTAL coml physical research 530-8446
YOGA SPOT amusement recreactn 667-9642
ZAPOLSKI-RUDD REAL ESTATE real estate agt ... 956-2722
A SUGAR HILL RECORDS prerecorded records/ta 489-4349
C KAPLAN TEST PREP elem/secondary schs 493-5000
G MICHAEL HINING ARCHITECTS archt serv 682-2870
H CHAUTAUQUA periodicals publg only 530-8150
700 STONE BROTHERS & BYRD retail nurseries/garde 682-1311
701 AMOCO FOOD SHOPS grocery stores 682-9168
ERWIN OIL COMPANY fuel oil dlr 682-9168
709 WALKER AUTO STORES auto home sup store 682-1135
715 STREET AUTOMOTIVE engine repr 683-3092
901-905 Not Verified (2 Hses)
907 Willis Boleyn H [5]
911 Head Joe L Jr & Latanye [3]+ ♠
913 Not Verified
915 Little Alice C [3]+ ♠ 683-2771
919 Hanna Sami J [2] ♠
Hanna Sengdauane
921 Gentry Jimmie Sr & Ella Mae [3]+ ♠ 688-7760
925 Smith-McCauley Barry [2] ♠ 683-6711
927 A Wilkins Shelly Y [3]+
B Not Verified
C McCain James E [2]
D Donnell Brandon L [4] 688-4108
937 PINE STATE ELECTRIC SUPPLY COMPANY elec lamps/parts 682-9258
944 BLACKWOOD & MAUER ENTERPRISES grocery stores 682-6742
BUY QUICK AMUSEMENTS video tape rntl 682-0505
BUY QUICK FOOD MARTS grocery stores ... 682-6742
+RAILROAD CROSSES
949 BRAME SCHOOL PRODUCTS mfg industries 683-1331
CAROLINA SCHOOL & COLLEGE PRODUCTION stationery stores 688-5853
+MACON ST INTERSECTS
1010 Not Verified
+W MARKHAM AVE BEGINS
· ZIP CODE 27701 CAR-RT C004
1110 Bozar Eliza [1] 680-0053
1117 Not Verified
1205 Fewell Carolyn D [3]+ ♠ 682-1882
1206 Not Verified
1207 Harris Felecia H & Eric [3]+ ♠ 688-3669
1208 King Valerie D [6]
1209 Tucker Harold F Jr & Sandra [2] 682-7292
1210-1211 Not Verified (2 Hses)
1212 Morris George R & Cindy [7]
+CLARK ST INTERSECTS
1215ⓏZamorano Minerva 688-5864
· ZIP CODE 27701 CAR-RT C005
1301-1305 Not Verified (3 Hses)
1307 Thompson Patricia S & Larry [3] 688-5035
1309 Not Verified
+W KNOX ST BEGINS
1408 Konanc John E [3]+ ♠.. 682-8754
1501 Ross William H & Susan [4] ♠ 687-4154
1502 Lucas John H Sr & Blondole [3]+ ♠ 682-0660
1507 JONES INSURANCE GROUP ins agts brokers/serv 682-7004
Jones Jimmy B & Patricia [3]+ ♠ 688-5915
1593 Weaver James E [3]+ ♠ 528-1979
+ENGLEWOOD AVE INTERSECTS
· ZIP CODE 27701 CAR-RT C006
1810 JOHN A LLOYD & ASSOCIATES communications equip.. 683-5511
+W CLUB BLVD INTERSECTS
· ZIP CODE 27704 CAR-RT C004
1900 King Synthia M [5] ♠

WASHINGTON ST
1910 Dorsett Julie M
Dorsett Karen P [3]+
1912 Baines Cynthia A
Baines Michael E [5] ♠
+RUBY ST INTERSECTS
1914 Davis Anita
ⓂDavis Jonathan P ♠
1915 Not Verified
1916ⓂMitcell Melissa 220-5641
1917 Bradford James M [3]+ ♠
1918 Not Verified
1919 Milton Marian L [5] ♠
1920 Graham Cleo [3]+ ♠ 220-9288
1921ⓂPegram Christopher..♠..... 479-9862
Pegram Willie 479-9862
1922 Burton Alfred D Jr & Gloria [3]+ ♠ 220-3124
1923 Not Verified
1924ⓂBrame Andrea ♠
Dalton W F [3]+ ♠ 220-8191
1925 Denton Rechel F [3]+ ♠ 220-8296
2000-2005 Not Verified (3 Hses)
2007ⓂBaptist Leet
2009 Not Verified
+COLGATE ST INTERSECTS
+GLENDALE AVE INTERSECTS
BUSINESSES 20 HOUSEHOLDS 56

WATAUGA CT (DURHAM)-FROM 5658 MCCORMICK RD NORTHEAST
+KELLOM CT BEGINS
· ZIP CODE 27713 CAR-RT C006
5 Sutton James L & Laura [6] ♠ 544-0389
6 Hampton Charles G & Marcia [3]+ ♠ 484-9074
HOUSEHOLDS 2

WATERBURY DR (DURHAM)-FROM 3831 GARRETT RD EAST
· ZIP CODE 27707 CAR-RT C033
3201 Windram Alison
Windram Soren D [2] ♠
3202 Meyers Eric M & Carol [3]+ ♠ 489-1746
3203 Adams Pamela S [6] ♠
Adams T S
3208 Tillman Doris C [3]+ ♠. 493-1798
3211 Todd Richard A & Beverly [3]+ ♠ 493-5612
3215 Inscoe Harry G Sr & Shirley [3]+ ♠ 490-0518
3218 Siegel Laurence F & Lyn [3]+ ♠ 490-0649
3219 Johns Sheridan W III & Christa [3]+ ♠ 489-5371
3226 Barrow John H Jr & Sandra [3]+ ♠ 490-2991
+YORKSHIRE ST ENDS
3301 Kotch James E & Susan [3]+ ♠ 493-3378
3304 Blanton Charles D & Sudie [3]+ ♠ 489-4866
3305 Lemke Richard E & Robin [3]+ ♠ 493-7295
3309 Hays Thomas G Jr & Mary [3]+ ♠ 490-1455
3310 Betts Scott D [2] ♠
Betts Sharon
3314 Dike Charles R & Emily [3]+ ♠ 493-3232
3315 Micol Mark E & Lisa [6] ♠
3319 Harmon Dale L & Phyllis [3]+ ♠ 489-5354
+WESTCREST ST ENDS
HOUSEHOLDS 17

WATEREDGE DR (DURHAM)-FROM 4201 DEEPWOOD CIR WEST
+WINDING WAY CONTINUES
· ZIP CODE 27707 CAR-RT C030
3602 Brannon Gene M..... 403-0405
Brannon Mckenzie M [8]+ ♠ 403-0405
3606 Pate Lawrence [8]..... 403-1766
3607 Palumbo Chester D & Susan [4] ♠
+DEEPWOOD CIR INTERSECTS
HOUSEHOLDS 3

WATEREE DR (DURHAM)-FROM 42 BRIDGE PORT DR EAST
· ZIP CODE 27713 CAR-RT R020
5900 Jackson Lakella J
Jackson Vivian [6] ♠
5902 Irby James L Jr & Kimberly [4] ♠ 484-1895
5903 Peterson Cecil H & Katherine [7] ♠ 361-2875
5904ⓂBird Kimberly C & Mark ♠
5905 Douglas Ronald N & Anne [2] ♠ 806-3841
5906 Brown Tara S [3]+ ♠
5907ⓂKnippel John A ♠
Knippel Suzanne
Mira-Knippel Johnny [2] ♠ 381-9192
5908ⓂPadua Darin A & Jody ♠
5909 Wenham Honghui
ⓂWenham Robert M ♠
5911 Hawkins Kelvin C & Valerie [7] ♠ 361-2869
5912 McKenna Patrick J & Amy [7] ♠ 361-9131
5913 Guess Larry S & Janice [3]+ ♠ 361-2065
5914 Hancock Kathleen E [7] ♠ 361-2542
+RATTAN BAY CT INTERSECTS
HOUSEHOLDS 14

WATERFORD DR (DURHAM)-FROM 1071 LIMERICK LN EAST
+MCCORMICK RD INTERSECTS

WATERFORD VALLEY DR (DURHAM)-FROM 1501 WOODWAY CLUB DR
· ZIP CODE 27713 CAR-RT C012
4300 Bennett Daren C [5]

WATERFORD VALLEY DR
2 Mallard Andrew J Sr 806-8664
2 Mallard John G II [5] 806-8664
202ⓂReddy Pasham R 572-1869
2014-2038 Not Verified (8 Apts)
+E NC HIGHWAY 54 CONTINUES
4301ⓂPace Angela 484-2825
2ⓂBrown Elizabeth
2ⓂPandey Rejesh
2 Stevens Calista E [3] 484-9538
2113-2137 Not Verified (10 Apts)
4302 CANCO CONSTRUCTION NC sngl/fam constrn 572-0177
1 Coley Michelle P [5]
1 Mangano Rosaanne C [5]+
1 Raju Nirmala K
1 Raju Sudhakar K [3]
1 Tissaire Nathalie A [2]
1911-1912 Not Verified (2 Apts)
1914 SOLUTIONS & SERVICE INTERNATIONAL computer orphl equip 544-7054
1921-1932 Not Verified (4 Apts)
4304ⓂFell Serigne 544-6062
1ⓂLawton Rose ♠
1 Lawton William R
1811-1836 Not Verified (14 Apts)
DR1 Robinson Kevin R [5] 544-6326
4306 Barnhill Douglas W [5]
1ⓂBui Thuy T
1 Matthes Angela M [3]+
1 Millar Leigh S [6]
1 Patacklis Bonnie 484-7848
1 Patacklis Christophe J [1] 484-7848
172 Gaitonde Vivek V [3] 484-1502
1711-1734 Not Verified (6 Apts)
4307ⓂHahn Kenneth
1 Tims James W [5]
1 Vaish Akhil K [4]..... 544-1739
1 Vaish Shampa 544-1739
1811-1836 Not Verified (10 Apts)
4309 Pasiuszak Chris [3]..... 484-8803
1 Hoefle Kristopher B. 806-3577
1 Hoefle Lynn E [6]..... 806-3577
152-1536 Not Verified (9 Apts)
4310 Fuquay James B [5]
Pullaro Joseph M [4]
Thirukonda Venkatesh [3] 351-5904
1ⓂRab Syed T
141 Imandi Prasad L [3] 484-2744
141 Imandi Rani..... 484-2744
142 Not Verified
143 Zabala Pedro J II & Christina [3] 484-4026
1414-1433 Not Verified (4 Apts)
4312 Green Robert S [5]
1ⓂKirshenbaum Beth A
1ⓂTanikella Gowri S
131 Lape Janel K [2]... 484-1936
133 Seidman David H [4] 484-0381
1315-1318 Not Verified (2 Apts)
4400 Mishra Sunil [2]..... 806-8500
1 Kent James R [7]
1 Smith Jeffrey F [3]..... 484-2604
1211-1233 Not Verified (7 Apts)
4402 Logan Benjamin & Valeda [5] 544-3790
Roberson Catherine [6]
1 Rouk Maamoun [2]... 572-6855
1113-1133 Not Verified (6 Apts)
4403 Schie Susan [3]
2 Miller Jeffrey D [3]
211-236 Not Verified (11 Apts)
4405 WATERFORD VILLAGE APARTMENTS apts 361-9551
BUSINESSES 3 HOUSEHOLDS 138

WATEROAKS CT (DURHAM)-FROM 519 GUY WALKER WAY EAST
· ZIP CODE 27703 CAR-RT C005
1 Davis Stephen T [5] ♠..... 596-2794
4-6 Not Verified (3 Hses)
7 Turner Fred Jr & Winton [5] ♠
8ⓂRichardson Thurman F Jr
9 Bolanos Alice M 957-2598
Bolanos Pedro I [5] ♠. 957-2598
10 Jones Robert W Jr & Deborah [6] ♠
11 Yancey Willie G & Ruth [7] ♠
+SPIRALWOOD PL BEGINS
HOUSEHOLDS 9

N WATERS EDGE DR (DURHAM)-FROM 398 WINDWARD POINTE DR EAST
+N LAKE DR CONTINUES
· ZIP CODE 27703 CAR-RT C005
302 Not Verified
303ⓂPahl Rose M ♠
Pahl Wm A
304ⓂStewart Allison L ♠
305 West Kecia L [3] ♠
306 Weems Kara R..... 596-2233
Weems Mickey M [2] ♠ 596-2233
308ⓂBell Douglas J ♠
Bell Molly
309 Lopez Margie R [5] ♠..... 596-7816
312 Kramer Janice
ⓂKramer Troy ♠
313 Quinn David D
Quinn Thelma B [5] ♠
316 Kess Patricia A..... 957-8350
ⓂKess William J ♠..... 957-8350

N WATERS EDGE DR
319 Smith George C [2] ♠
Smith Rosa Y
320 Not Verified
322 Pidgeon Michelle
Pidgeon Shane C [2] ♠
324ⓂMonserrate Maria M
326 Smith Murray R Jr
ⓂSmith Ross ♠
+SANDY BLUFF CT BEGINS
402 Southers Richard P [2] ♠
404 Thomas Yvette M [3] ♠
406 Not Verified
408 Waghela Jitendra [2] ♠
Waghela Paula
412ⓂAbboud Akram A ♠
+WINDWARD POINTE DR ENDS
500ⓂEloi Ricardo
501 Williamson James Y Jr & Kimberly [3] ♠ 957-8809
503 McGowan Scott E & Kimberly [5] ♠ 596-9023
504 Szymborski Thomas J & Patti [3] ♠ 957-8261
506 Not Verified
510ⓂBasma Mohamed ♠
Basma Souad
511 Elliot Jeffrey M [3]
513 Larson Robert F Jr & Evolyn [5] ♠ 596-8594
514 Schrowang Hugh J & Joannie [4] ♠ 596-7045
HOUSEHOLDS 29

WATERVIEW CT (DURHAM)-FROM 657 GUY WALKER WAY
· ZIP CODE 27703 CAR-RT C005
1 Roberson Donna R..... 596-5434
Roberson Jeramy
Roberson William R [3]+ ♠ 596-5434
2 Velasquez Karen S [7] ♠... 596-8227
3 Cornwell Lynda
ⓂCornwell Peter D ♠
4 Pirola John R & Elizabeth [7] ♠ 596-0873
5 Ragan Cynthia A [3]+ ♠
Ragan Eula O
6 Bethea Lawrence E & Gladys [3] ♠ 596-9718
7 Hockstad Tim L & Sharon [3]+ ♠ 957-0418
8 Williams Steven M & Tahnya [3] ♠
HOUSEHOLDS 8

WATKINS RD (DURHAM)-FROM 3501 SAYWARD DR EAST
· ZIP CODE 27707 CAR-RT C036
3209 Not Verified
3211 O'Brien Hugh D [5] ♠... 493-8978
3215 TURNER TILE INSTALLATION terrazzo tile marble m. 403-1247
3219 Crabtree Billie B [3]+ ♠
Thompson Peggy W [3] ♠
3312 PETALS & SAGE antiques 490-3210
Witherspoon Robert K & Thelma [3]+ ♠ 489-8858
WITHERSPOON ROSE CULTURE landscape counselg 489-4446
3326 Not Verified
3418 Devlin Joe W Jr & Dolly [7] ♠
+NORTHCREEK DR INTERSECTS
+HOPEDALE AVE ENDS
3803 Ballard Elmer C [7] ♠... 489-2924
Ballard Flora B..... 489-2924
3816 TRIANGLE RESEARCH computer integrated sy 401-6588
+OLD CHAPEL HILL RD INTERSECTS
BUSINESSES 4 HOUSEHOLDS 8

WATSON RD (DURHAM)-FROM 2399 WINBURN AVE NORTH
+WINBURN AVE INTERSECTS
+LINDMONT AVE INTERSECTS
· ZIP CODE 27704 CAR-RT C015
1907 Stonehuerner Jon R [3] ♠ 682-3169
1911 Casey Dorothy D [3] ♠. 682-8015
1917 Voncannon Stephen M & Edith [2] ♠ 688-7290
1925 Hight Michael T [2] ♠
1925½ Daniels Jenny R [2]..... 530-1057
1928-1929 Not Verified (2 Hses)
1931 McCowan David E [3]+ ♠ 682-4514
1933 Vaughn Elbert H Sr & June [3]+ ♠ 682-3148
1938 Cunningham Donald R & Sadie [3]+ ♠
MASTER PLANNER bev serv 956-2626
1944 Little Deborah A [3]+ ♠
+E GEER ST INTERSECTS
BUSINESSES 1 HOUSEHOLDS 11

WATTS ST (DURHAM)-
· ZIP CODE 27701 CAR-RT C008
115 Isley Nathan C & Kimberly [6] ♠ 956-2723
201 Rubino Mark A [2]..... 687-2944
1 Not Verified
2ⓂMischley Joy B
3-5 Not Verified (3 Apts)
6 Copeland Micah A [3] 688-7526
202ⓂVanek James 682-2515
203ⓂByczek Blake..... 956-8182
204 Not Verified
205ⓂKornbluh Felicia..... 682-0870
206 Sturm Jesse J [2]..... 667-1895
B Shumaker Lisa [3]
207 Not Verified
208 A Rau Michelle A [4]..... 682-0441
B Pendergraft Norman E [3]+ ♠ 682-0756
209 1 Keating Michael C & Medge [3] ♠

WATTS ST
2-6 Not Verified (4 Apts)
210 2 Plummer Leila A [2]
A-B Not Verified (2 Apts)
C Burton Michael J [3]
C Burton Shanika
D Not Verified
212ⓂFriedl Stephon ♠
Walker Jeffrey R
Walker Teresa T [3] ♠
212½-213 Not Verified (2 Hses)
301 Tulsky James A & Lana [3] ♠ 688-6782
302 Wilson Wilkie A Jr & Linda [3]+ ♠ 682-6923
303 Hall Margaret A [3]+ ♠
304 Schuler Andrew [2]
1-2 Not Verified (2 Apts)
3 Bowie Christine A 683-1609
3 Bowie James D [5]... 683-1609
4 Not Verified
307ⓂRosen Karen 680-8934
AⓂClegg Mary M
B Fletcher Alaise C [3]+ 682-7434
C Not Verified
D Graeve Paul J [3] 680-0474
311 Bowman John A & Virginia [3]+ ♠
312 Not Verified
401 Falk Donald H [6] ♠ 683-1453
402 Aravamudan Ranjana
ⓂAravamudan Srinivas ♠
403 Axam Cinque
ⓂAxam Clara ♠
405 Not Verified
406 Baroff Kenneth D & Adrienne [3] ♠ 683-1323
407 Schmalbeck Richard L & Linda [3] ♠
409 Dekkar Tom S & Michelle [2] ♠
500 1376 Starnes James E Jr [3]
1376 Starnes Leslie G Jr
504 Lesauur John H Jr & Patricia [3]+ ♠ 682-6656
506 Robinson Harry [3]+..... 688-8641
507 Not Verified
509 Nelson Betty I [5] ♠..... 687-0021
Nelson Ilene 687-0021
510 1 Weller Ann C [3]..... 680-2202
2-3 Not Verified (2 Apts)
4 Goldfinger Johnny L [7] 687-0046
512 1 Savage William G [3]+ ♠ 687-0996
2 Not Verified
3 Cheaks James E Jr [3]+ 688-2355
4 Not Verified
601ⓂSamal Surekha..... 688-9391
C Tupler Larry A [8]..... 682-1825
602 Carreway Anthony G [7] ♠
603 Tuttle Alex [2]..... 530-1351
1-5 Not Verified (5 Apts)
6 Contarino Mark R [2] 667-0129
7-8 Not Verified (2 Apts)
604-606 Not Verified (2 Hses)
607 Sprinkle Carolyn F [3]+ ♠
608 Greer Susan M [3]..... 682-7239
608½-611 Not Verified (3 Hses)
612ⓂKelly Millie 680-2489
614-614½ Not Verified (2 Hses)
614½ 12 Pattee Helen L [3]+ 688-2348
616 Not Verified
700 GEORGE WATTS ELEMENTARY SCH elem/secondary schs 560-3947
701 Morgan Daniel L [3]+ ♠
Morgan Joan
703 Crigler Bettie A
Crigler Trusten F [3] ♠
705 Darby Joanna F [3]..... 683-2855
707 Settergren Susan K [7] ♠ 688-7837
711 Harker Eric J [3]
1 Not Verified
2 Campbell Rebecca F [3]
3 Brown Joe N [8]..... 682-8099
4ⓂGillespie Heather M
800 DURHAM NURSERY & PRESCHOOL child day care 682-1651
WATTS STREET BAPTIST CHURCH libraries 688-1386
801ⓂKiku Dana..... 530-8564
A Not Verified
B Kuksc Boris [4]..... 683-3405
803ⓂWalton Annie K..... 950-5193
805 Page Jeffrey A & Sharon [7] ♠ 893-3023
809 Rist Carl F & Lise [2] ♠ 688-5969
811 Not Verified
813 Tseng Larry S [3]+ ♠
814 Wise Rev James L [3] ♠
Wise Lisa S
816 Graham Beth M [3]+ ♠.. 682-0836
Graham Brovick G..... 682-0836
1001 BURTON A S personal serv 688-7023
Burton Ann S [3] ♠..... 687-4487
1004 BETH EL SYNAGOGUE RLGS SCHOOL religious orgn 688-8704
BETH-EL CONSERVATIVE & ORTHDX religious orgn 682-1238
1015 Craven James B II & Sara [3]+ ♠ 688-3864
1101 Hodges Anne E [3]..... 688-9590
Hodges Copple J 688-9590
Norval Hodgescop J [7]
1105 Mallard Robert L & Doris [3]+ ♠ 688-8777
1106 Coniglio David M [2] ♠. 688-8228
1107 Ritchie Baxter M & Dorothy [3]+ ♠ 682-7977
1108 Not Verified
1110 Poe Clarence H [3]+ ♠ 688-9186
Poe Horton 688-9186

Details For:	Year	Source	TP	Adjoining
WASHINGTON ST	2002	Polk Directories	-	X

Appendix E

Regulatory Records and Public Documents

Duke Diet and Fitness Center
808 West Trinity Avenue
Durham, NC 27701

Inquiry Number: 3128960.2s
July 21, 2011

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

FORM-YAS-SXC

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GEOCHECK ADDENDUM

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

808 WEST TRINITY AVENUE
DURHAM, NC 27701

COORDINATES

Latitude (North):	36.007700 - 36' 0' 27.7"
Longitude (West):	78.903500 - 78' 54' 12.6"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	688951.8
UTM Y (Meters):	3986634.8
Elevation:	319 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	36078-A8 NORTHWEST DURHAM, NC
Most Recent Revision:	1993
South Map:	35078-H8 SOUTHWEST DURHAM, NC
Most Recent Revision:	1993

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2005, 2006, 2008
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY..... Federal Facility Site Information listing

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... List of Solid Waste Facilities
OLI..... Old Landfill Inventory

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

AST..... AST Database
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

INST CONTROL..... No Further Action Sites With Land Use Restrictions Monitoring

State and tribal voluntary cleanup sites

VCP..... Responsible Party Voluntary Action Sites

EXECUTIVE SUMMARY

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
HIST LF..... Solid Waste Facility Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS..... Section 7 Tracking Systems
ICIS..... Integrated Compliance Information System
PADS..... PCB Activity Database System
MLTS..... Material Licensing Tracking System
RADINFO..... Radiation Information Database
FINDS..... Facility Index System/Facility Registry System
RAATS..... RCRA Administrative Action Tracking System
UIC..... Underground Injection Wells Listing
DRYCLEANERS..... Drycleaning Sites
NPDES..... NPDES Facility Location Listing

EXECUTIVE SUMMARY

INDIAN RESERV..... Indian Reservations
SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing
PCB TRANSFORMER..... PCB Transformer Registration Database
COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List
COAL ASH DOE..... Sleam-Electric Plan Operation Data
FINANCIAL ASSURANCE.... Financial Assurance Information Listing
COAL ASH..... Coal Ash Disposal Sites

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS NFRAP site List

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 02/25/2011 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARMY RESERVE XVIII AIRBORNE CO	*724 FOSTER STREET*	*SSE 1/4 - 1/2 (0.276 mi.)*	*G25*	*68*

EXECUTIVE SUMMARY

State- and tribal - equivalent NPL

NC HSDS: The Hazardous Substance Disposal Sites list contains locations of uncontrolled and unregulated hazardous waste sites. The file contains sites on the national priority list as well as the state priority list. The data source is the North Carolina Center for Geographic Information and Analysis.

A review of the NC HSDS list, as provided by EDR, and dated 04/06/2006 has revealed that there is 1 NC HSDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LIGGETT & MYERS TOBACCO CO		SW 1/2 - 1 (0.690 mi.)	0	7

State- and tribal - equivalent CERCLIS

SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environment & Natural Resources' Inactive Hazardous Sites Program.

A review of the SHWS list, as provided by EDR, and dated 04/08/2011 has revealed that there are 5 SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ARMY RESERVE XVIII AIRBORNE CO	***724 FOSTER STREET***	***SSE 1/4 - 1/2 (0.276 mi.)***	***G25***	***68***
EAKES CLEANERS (FORMER)	827 W MORGAN ST	SSW 1/2 - 1 (0.553 mi.)	75	183
LIGGETT AND MYERS COMPANY	700 W MAIN ST	SSW 1/2 - 1 (0.646 mi.)	76	183
CLEVELAND STREET	***400 CLEVELAND STREET***	***SSE 1/2 - 1 (0.854 mi.)***	***77***	***184***
DURHAM PUBLIC SERVICE CO PROP	309 BLACKWELL ST	S 1/2 - 1 (0.937 mi.)	78	186

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 05/12/2011 has revealed that there are 50 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PORTA PROPERTY Incident Phase: Closed Out	***900 URBAN AVENUE***	***WNW 1/8 - 1/4 (0.139 mi.)***	***1***	***7***
TRINITY FOOD MART	403 W TRINITY AVE.	SE 1/8 - 1/4 (0.196 mi.)	A2	9
BRAME - WASHINGTON ST. Incident Phase: Closed Out	***949 WASHINGTON ST.***	***ENE 1/8 - 1/4 (0.205 mi.)***	***B7***	***19***
BLACKWOOD PROPERTY, JOHN Incident Phase: Closed Out	***944 WASHNGTON STREET***	***ENE 1/8 - 1/4 (0.207 mi.)***	***B8***	***21***
KANE, GEORGE W. Incident Phase: Follow Up	***421 MACON ST.***	***ENE 1/8 - 1/4 (0.208 mi.)***	***C10***	***25***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PAINTER RESIDENCE (WILLIE) Incident Phase: Closed Out	***930 W. MARKHAM AVE.***	***NW 1/8 - 1/4 (0.222 mi.)***	***D13***	***29***
BAUCOM, HAZEL - RESIDENCE	***316 MONMOUTH AVE***	***ESE 1/4 - 1/2 (0.253 mi.)***	***F16***	***34***
KRAMER RESIDENCE (THOMAS) Incident Phase: Closed Out	***317 MONMOUTH AVENUE***	***ESE 1/4 - 1/2 (0.254 mi.)***	***F17***	***36***
FRANCIS, SHELLEY RESIDENCE Incident Phase: Closed Out	***311 MONMOUTH AVENUE***	***ESE 1/4 - 1/2 (0.261 mi.)***	***F18***	***40***
NEWTON RESIDENCE, LUKE	***305 DACIAN AVE.***	***E 1/4 - 1/2 (0.263 mi.)***	***19***	***43***
HARRIS OIL CO. OF DURHAM. INC Incident Phase: Closed Out	***703 WASHINGTON STREET***	***S 1/4 - 1/2 (0.269 mi.)***	***E20***	***46***
SCOTT & ROBERTS. INC. Incident Phase: Response	***733 FOSTER STREET***	***SSE 1/4 - 1/2 (0.270 mi.)***	***G22***	***57***
ERWIN OIL BULK PLANT Incident Phase: Follow Up	***701 WASHINGTON STREET***	***S 1/4 - 1/2 (0.270 mi.)***	***H23***	***63***
ARMY RESERVE CENTER Incident Phase: Closed Out	***724 FOSTER ST.***	***SSE 1/4 - 1/2 (0.276 mi.)***	***G26***	***70***
QUINN RESIDENCE Incident Phase: Closed Out	***1004 MONMOUTH AVE***	***WSW 1/4 - 1/2 (0.287 mi.)***	***I28***	***74***
BROMBERG - SELTZER, BRUCE - PR Incident Phase: Closed Out	***1006 MONMOUTH AVE.***	***WSW 1/4 - 1/2 (0.290 mi.)***	***I29***	***76***
UMSTEAD RESIDENCE Incident Phase: Closed Out	***1020 MONMOUTH AVE.***	***WSW 1/4 - 1/2 (0.311 mi.)***	***31***	***81***
WHITFIELD PROPERTY (ELVIS)	***1010 W. TRINITY AVE***	***WSW 1/4 - 1/2 (0.323 mi.)***	***J33***	***85***
PURDY RESIDENCE (JEDEDIAH) Incident Phase: Closed Out	1012 MARKHAM AVENUE	WNW 1/4 - 1/2 (0.329 mi.)	34	87
ROGERS PROPERTY Incident Phase: Closed Out	***1022 W. TRINITY***	***WSW 1/4 - 1/2 (0.339 mi.)***	***J35***	***89***
SLOME, SHAWN PROPERTY Incident Phase: Closed Out	230 WEST TRINITY AVENUE	ESE 1/4 - 1/2 (0.340 mi.)	K37	91
DURHAM MAINTENANCE FACILITY Incident Phase: Response	***501 WASHINGTON STREET***	***S 1/4 - 1/2 (0.342 mi.)***	***L38***	***93***
PARKS AND RECREATION-DURHAM Incident Phase: Closed Out	***501 WASHINGTON STREET***	***S 1/4 - 1/2 (0.342 mi.)***	***L39***	***96***
HANNELORE ROGERS PROPERTY B Incident Phase: Closed Out	***1024 W. TRINITY AVE.***	***WSW 1/4 - 1/2 (0.342 mi.)***	***J40***	***99***
PRESTON, SUE RESIDENCE Incident Phase: Closed Out	***1105 N. GREGSON STREET***	***NW 1/4 - 1/2 (0.357 mi.)***	***M41***	***101***
PASCHALL PROPERTY (JOHN) Incident Phase: Closed Out	***326 WEST GEER STREET***	***SE 1/4 - 1/2 (0.358 mi.)***	***42***	***104***
ABRAMSON PROPERTY Incident Phase: Closed Out	***1003 GREEN STREET***	***NW 1/4 - 1/2 (0.358 mi.)***	***M43***	***107***
PATRICIA SILVER ESTATE Incident Phase: Closed Out	***1014 MINERVA AVENUE***	***SW 1/4 - 1/2 (0.368 mi.)***	***N44***	***109***
1021 MINERVA CONDOMINIUMS Incident Phase: Closed Out	***1021 MINERVA AVENUE***	***SW 1/4 - 1/2 (0.376 mi.)***	***N45***	***111***
FLETCHERS GULF Incident Phase: Closed Out	624 FOSTER STREET	SSE 1/4 - 1/2 (0.379 mi.)	O46	114

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BRAME OFFICE PRODUCTS Incident Phase: Closed Out	***619 FOSTER STREET***	***SSE 1/4 - 1/2 (0.385 mi.)***	***O47***	***116***
DEASON PROPERTY (FORMER) Incident Phase: Closed Out	***908 WEST KNOX STREET***	***NNW 1/4 - 1/2 (0.402 mi.)***	***P49***	***121***
PRINCIPE, PETER RESIDENCE Incident Phase: Closed Out	***1001 GLORIA AVENUE***	***SW 1/4 - 1/2 (0.403 mi.)***	***Q50***	***124***
NU TREAD TIRE CO.. INC. Incident Phase: Closed Out	***601 FOSTER STREET***	***SSE 1/4 - 1/2 (0.405 mi.)***	***R52***	***128***
NU-TREAD TIRE COMPANY. INC.	***601-605 FOSTER STREET***	***SSE 1/4 - 1/2 (0.405 mi.)***	***R53***	***132***
NU TREAD TIRE COMPANY Incident Phase: Closed Out	***601-605 FOSTER ST***	***SSE 1/4 - 1/2 (0.405 mi.)***	***R54***	***141***
CREEKMORE, AGUSTUS ESTATE Incident Phase: Closed Out	***1423 WOODLAND DRIVE***	***N 1/4 - 1/2 (0.407 mi.)***	***S56***	***144***
GBS PROPERTIES LLC PROPERTY B Incident Phase: Closed Out	***1201 N. GREGSON STREET***	***NW 1/4 - 1/2 (0.412 mi.)***	***57***	***147***
ANN RICHARDS PROPERTY Incident Phase: Closed Out	***1012 GLORIA AVENUE***	***SW 1/4 - 1/2 (0.414 mi.)***	***Q58***	***149***
USPS RIGGSBEE Incident Phase: Closed Out	***715 RIGGSBEE AVENUE***	***SSE 1/4 - 1/2 (0.420 mi.)***	***59***	***151***
SLATTERY RESIDENCE (MARK) Incident Phase: Closed Out	205 W. TRINITY AVE.	ESE 1/4 - 1/2 (0.425 mi.)	T61	156
BENEFICIAL MORTGAGE PROPERTY W Incident Phase: Closed Out	508 W. KNOX STREET	NE 1/4 - 1/2 (0.433 mi.)	63	158
CRAIG & DENNETT RESIDENCE Incident Phase: Closed Out	***1012 W. KNOX STREET***	***NW 1/4 - 1/2 (0.467 mi.)***	***U64***	***160***
FREEMAN PROPERTY (ERMA) Incident Phase: Closed Out	***1308 N. GREGSON ST***	***NW 1/4 - 1/2 (0.469 mi.)***	***U65***	***163***
NU-TREAD TIRE COMPANY, INC. Incident Phase: Closed Out	***545 FOSTER STREET***	***SSE 1/4 - 1/2 (0.474 mi.)***	***66***	***165***
COTTEN, DENICE PROPERTY Incident Phase: Response	***401 WATTS ST.***	***WSW 1/4 - 1/2 (0.482 mi.)***	***V68***	***167***
SURLA, ELIZABETH PROPERTY Incident Phase: Closed Out	***510 EVERETTE PLACE***	***NNE 1/4 - 1/2 (0.483 mi.)***	***69***	***170***
KESSLER PROPERTY Incident Phase: Closed Out	***417 W. KNOX STREET***	***NE 1/4 - 1/2 (0.486 mi.)***	***W70***	***173***
DORTON, SPERO RESIDENCE Incident Phase: Response	***512 N. BUCHANAN BLVD***	***W 1/4 - 1/2 (0.493 mi.)***	***X72***	***177***
UMSTEAD RESIDENCE (KELLY) Incident Phase: Closed Out	***1502 RUFFIN STREET***	***N 1/4 - 1/2 (0.497 mi.)***	***74***	***180***

EXECUTIVE SUMMARY

LUST TRUST: This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

A review of the LUST TRUST list, as provided by EDR, and dated 04/15/2011 has revealed that there are 30 LUST TRUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PORTA PROPERTY	***900 URBAN AVENUE***	***WNW 1/8 - 1/4 (0.139 mi.)***	***1***	***7***
KANE WAREHOUSE	421 MACON STREET	ENE 1/8 - 1/4 (0.208 mi.)	C11	28
PAINTER PROPERTY (WILLIE)	930 WEST MARKHAM AVE	NW 1/8 - 1/4 (0.222 mi.)	D12	28
BAUCOM PROPERTY	316 MONMOUTH AVENUE	ESE 1/4 - 1/2 (0.253 mi.)	F15	33
KRAMER RESIDENCE (THOMAS)	***317 MONMOUTH AVENUE***	***ESE 1/4 - 1/2 (0.254 mi.)***	***F17***	***36***
FRANCIS, SHELLEY RESIDENCE	***311 MONMOUTH AVENUE***	***ESE 1/4 - 1/2 (0.261 mi.)***	***F18***	***40***
NEWTON RESIDENCE, LUKE	***305 DACIAN AVE.***	***E 1/4 - 1/2 (0.263 mi.)***	***19***	***43***
QUINN RESIDENCE	***1004 MONMOUTH AVE***	***WSW 1/4 - 1/2 (0.287 mi.)***	***I28***	***74***
BROMBERG - SELTZER, BRUCE - PR	***1006 MONMOUTH AVE.***	***WSW 1/4 - 1/2 (0.290 mi.)***	***I29***	***76***
UMSTEAD RESIDENCE	***1020 MONMOUTH AVE.***	***WSW 1/4 - 1/2 (0.311 mi.)***	***31***	***81***
WHITFIELD PROPERTY (ELVIS)	1010 WEST TRINITY AVENU	WSW 1/4 - 1/2 (0.323 mi.)	J32	84
ROGERS PROPERTY	***1022 W. TRINITY***	***WSW 1/4 - 1/2 (0.339 mi.)***	***J35***	***89***
SLOME PROPERTY	230 WEST TRINITY AVENUE	ESE 1/4 - 1/2 (0.340 mi.)	K36	91
HANNELORE ROGERS PROPERTY B	***1024 W. TRINITY AVE.***	***WSW 1/4 - 1/2 (0.342 mi.)***	***J40***	***99***
PRESTON, SUE RESIDENCE	***1105 N. GREGSON STREET***	***NW 1/4 - 1/2 (0.357 mi.)***	***M41***	***101***
ABRAMSON PROPERTY	***1003 GREEN STREET***	***NW 1/4 - 1/2 (0.358 mi.)***	***M43***	***107***
PATRICIA SILVER ESTATE	***1014 MINERVA AVENUE***	***SW 1/4 - 1/2 (0.368 mi.)***	***N44***	***109***
1021 MINERVA CONDOMINIUMS	***1021 MINERVA AVENUE***	***SW 1/4 - 1/2 (0.376 mi.)***	***N45***	***111***
FORMER DEASON PROPERTY	908 W. KNOX STREET	NNW 1/4 - 1/2 (0.402 mi.)	P48	121
PRINCIPE, PETER RESIDENCE	***1001 GLORIA AVENUE***	***SW 1/4 - 1/2 (0.403 mi.)***	***Q50***	***124***
NU-TREAD TIRE COMPANY. INC.	***601-605 FOSTER STREET***	***SSE 1/4 - 1/2 (0.405 mi.)***	***R53***	***132***
AUGUSTUS CREEKMORE ESTATE	1423 WOODLAND DRIVE	N 1/4 - 1/2 (0.407 mi.)	S55	144
GBS PROPERTIES LLC PROPERTY B	***1201 N. GREGSON STREET***	***NW 1/4 - 1/2 (0.412 mi.)***	***57***	***147***
ANN RICHARDS PROPERTY	***1012 GLORIA AVENUE***	***SW 1/4 - 1/2 (0.414 mi.)***	***Q58***	***149***
FREEMAN PROPERTY (ERMA)	***1308 N. GREGSON ST***	***NW 1/4 - 1/2 (0.469 mi.)***	***U65***	***163***
COTTON RESIDENCE	409 WATTS STREET	WSW 1/4 - 1/2 (0.479 mi.)	V67	167
SURLA, ELIZABETH PROPERTY	***510 EVERETTE PLACE***	***NNE 1/4 - 1/2 (0.483 mi.)***	***69***	***170***
KESSLER PROPERTY	***417 W. KNOX STREET***	***NE 1/4 - 1/2 (0.486 mi.)***	***W70***	***173***
DORTON PROPERTY	512 NORTH BUCHANON BOUL	W 1/4 - 1/2 (0.497 mi.)	X73	180
UMSTEAD RESIDENCE (KELLY)	***1502 RUFFIN STREET***	***N 1/4 - 1/2 (0.497 mi.)***	***74***	***180***

LAST: A listing of leaking aboveground storage tank site locations.

A review of the LAST list, as provided by EDR, and dated 05/12/2011 has revealed that there are 8 LAST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRASHER, STEVE PROPERTY	***1111 DUKE STREET***	***NW 1/8 - 1/4 (0.198 mi.)***	***4***	***13***
ERWIN OIL BLK PLANT AST SPILL	***701 WASHINGTON STREET***	***S 1/4 - 1/2 (0.270 mi.)***	***H24***	***66***
BONDY PROPERTY	1003 MONMOUTH AVE	WSW 1/4 - 1/2 (0.285 mi.)	I27	73
DURHAM HOUSING AUTHORITY (NORT	***1104 NORTH STREET***	***ESE 1/4 - 1/2 (0.308 mi.)***	***30***	***79***
DUKE GIFT PROPERTIES, INC.	1416 N. DUKE STREET	NNW 1/4 - 1/2 (0.404 mi.)	51	127
SLATTERY, MARK RESIDENCE (FORM	***205 W. TRINITY AVE.***	***ESE 1/4 - 1/2 (0.425 mi.)***	***T60***	***153***
ROBINS RESIDENCE	711 WATTS STREET	W 1/4 - 1/2 (0.429 mi.)	62	157
JERNIGAN, CARLA	***408 W KNOX AVE.***	***NE 1/4 - 1/2 (0.492 mi.)***	***W71***	***175***

EXECUTIVE SUMMARY

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environment & Natural Resources' Petroleum Underground Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 05/12/2011 has revealed that there are 5 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRINITY FOOD MART	403 WEST TRINITY	SE 1/8 - 1/4 (0.196 mi.)	A3	11
BUY QUICK DBA/DAIRY FARM 1	944 WASHINGTON STREET	ENE 1/8 - 1/4 (0.203 mi.)	B5	15
BRAME SPECIALTY COMPANY	949 WASHINGTON STREET	ENE 1/8 - 1/4 (0.205 mi.)	B6	18
GEORGE W KANE INC	421 MACON ST	ENE 1/8 - 1/4 (0.208 mi.)	C9	24
ERWIN OIL CO.	P.O. BOX 1971/701 WASHI	S 1/8 - 1/4 (0.245 mi.)	E14	31

State and tribal Brownfields sites

BROWNFIELDS: A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a a brownfield agreement for cleanup and liabitliy control.

A review of the BROWNFIELDS list, as provided by EDR, and dated 09/30/2010 has revealed that there is 1 BROWNFIELDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NU-TREAD TIRE COMPANY, INC.	*545 FOSTER STREET*	*SSE 1/4 - 1/2 (0.474 mi.)*	*66*	*165*

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 07/21/2006 has revealed that there are 37 IMD sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FRASHER, STEVE PROPERTY	*1111 DUKE STREET*	*NW 1/8 - 1/4 (0.198 mi.)*	*4*	*13*
BRAME - WASHINGTON ST.	*949 WASHINGTON ST.*	*ENE 1/8 - 1/4 (0.205 mi.)*	*B7*	*19*
BLACKWOOD PROPERTY, JOHN	*944 WASHNGTON STREET*	*ENE 1/8 - 1/4 (0.207 mi.)*	*B8*	*21*
KANE, GEORGE W.	*421 MACON ST.*	*ENE 1/8 - 1/4 (0.208 mi.)*	*C10*	*25*
PAINTER RESIDENCE (WILLIE)	*930 W. MARKHAM AVE.*	*NW 1/8 - 1/4 (0.222 mi.)*	*D13*	*29*
BAUCOM, HAZEL - RESIDENCE	*316 MONMOUTH AVE*	*ESE 1/4 - 1/2 (0.253 mi.)*	*F16*	*34*
KRAMER RESIDENCE (THOMAS)	*317 MONMOUTH AVENUE*	*ESE 1/4 - 1/2 (0.254 mi.)*	*F17*	*36*
FRANCIS, SHELLEY RESIDENCE	*311 MONMOUTH AVENUE*	*ESE 1/4 - 1/2 (0.261 mi.)*	*F18*	*40*
NEWTON RESIDENCE, LUKE	*305 DACIAN AVE.*	*E 1/4 - 1/2 (0.263 mi.)*	*19*	*43*
HARRIS OIL CO. OF DURHAM. INC	*703 WASHINGTON STREET*	*S 1/4 - 1/2 (0.269 mi.)*	*E20*	*46*
SCOTT & ROBERTS INC	*733 FOSTER ST*	*SSE 1/4 - 1/2 (0.270 mi.)*	*G21*	*50*
ERWIN OIL BULK PLANT	*701 WASHINGTON STREET*	*S 1/4 - 1/2 (0.270 mi.)*	*H23*	*63*

EXECUTIVE SUMMARY

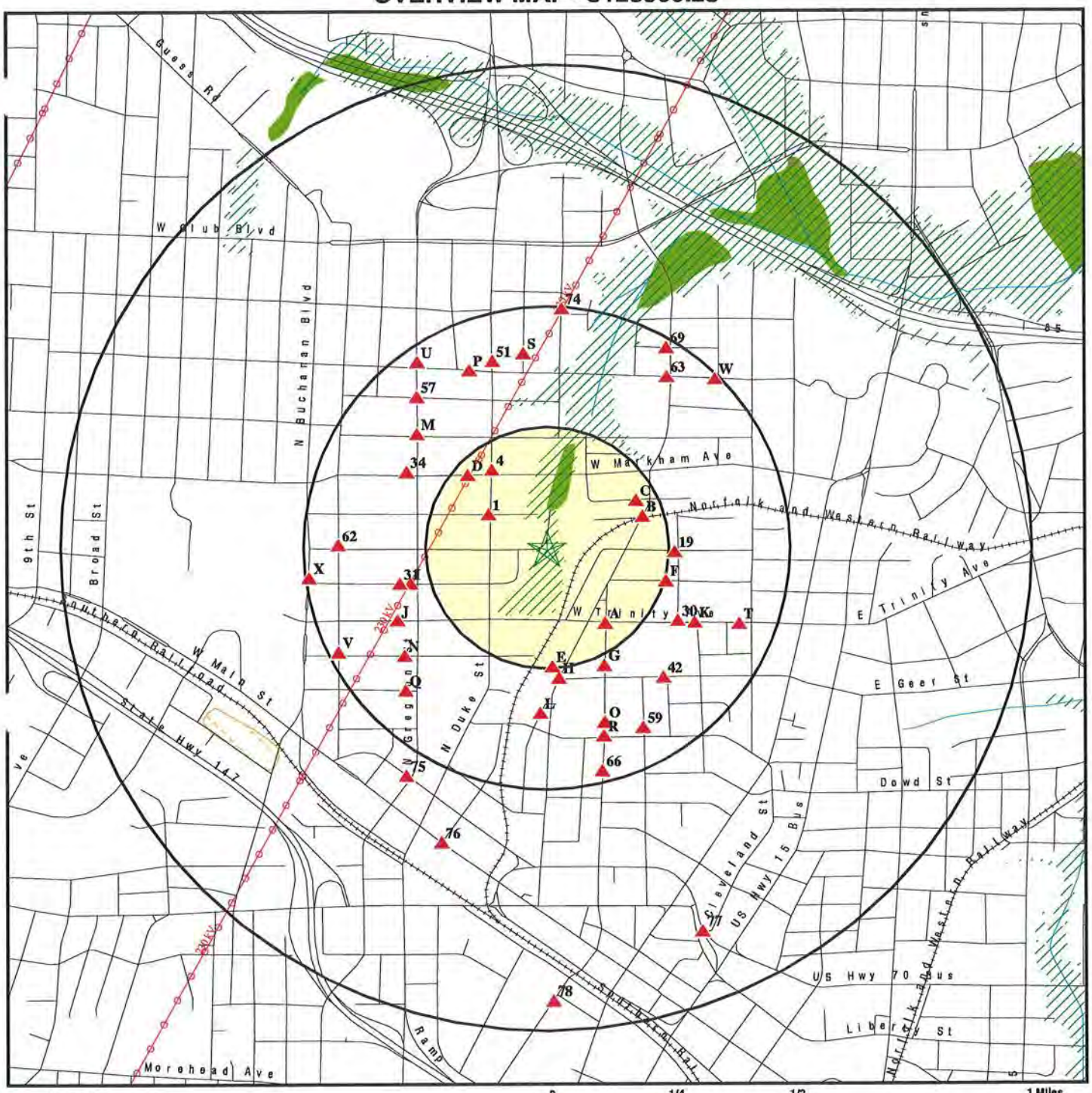
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ERWIN OIL BLK PLANT AST SPILL	*701 WASHINGTON STREET*	*S 1/4 - 1/2 (0.270 mi.)*	*H24*	*66*
ARMY RESERVE CENTER	*724 FOSTER ST.*	*SSE 1/4 - 1/2 (0.276 mi.)*	*G26*	*70*
BROMBERG - SELTZER, BRUCE - PR	*1006 MONMOUTH AVE.*	*WSW 1/4 - 1/2 (0.290 mi.)*	*I29*	*76*
DURHAM HOUSING AUTHORITY (NORT	*1104 NORTH STREET*	*ESE 1/4 - 1/2 (0.308 mi.)*	*30*	*79*
UMSTEAD RESIDENCE	*1020 MONMOUTH AVE.*	*WSW 1/4 - 1/2 (0.311 mi.)*	*31*	*81*
WHITFIELD PROPERTY (ELVIS)	*1010 W. TRINITY AVE*	*WSW 1/4 - 1/2 (0.323 mi.)*	*J33*	*85*
DURHAM MAINTENANCE FACILITY	*501 WASHINGTON STREET*	*S 1/4 - 1/2 (0.342 mi.)*	*L38*	*93*
PARKS AND RECREATION-DURHAM	*501 WASHINGTON STREET*	*S 1/4 - 1/2 (0.342 mi.)*	*L39*	*96*
PRESTON, SUE RESIDENCE	*1105 N. GREGSON STREET*	*NW 1/4 - 1/2 (0.357 mi.)*	*M41*	*101*
PASCHALL PROPERTY (JOHN)	*326 WEST GEER STREET*	*SE 1/4 - 1/2 (0.358 mi.)*	*42*	*104*
1021 MINERVA CONDOMINIUMS	*1021 MINERVA AVENUE*	*SW 1/4 - 1/2 (0.376 mi.)*	*N45*	*111*
BRAME OFFICE PRODUCTS	*619 FOSTER STREET*	*SSE 1/4 - 1/2 (0.385 mi.)*	*O47*	*116*
DEASON PROPERTY (FORMER)	*908 WEST KNOX STREET*	*NNW 1/4 - 1/2 (0.402 mi.)*	*P49*	*121*
PRINCIPE, PETER RESIDENCE	*1001 GLORIA AVENUE*	*SW 1/4 - 1/2 (0.403 mi.)*	*Q50*	*124*
NU TREAD TIRE CO.. INC.	*601 FOSTER STREET*	*SSE 1/4 - 1/2 (0.405 mi.)*	*R52*	*128*
NU TREAD TIRE COMPANY	*601-605 FOSTER ST*	*SSE 1/4 - 1/2 (0.405 mi.)*	*R54*	*141*
CREEKMORE, AGUSTUS ESTATE	*1423 WOODLAND DRIVE*	*N 1/4 - 1/2 (0.407 mi.)*	*S56*	*144*
USPS RIGGSBEE	*715 RIGGSBEE AVENUE*	*SSE 1/4 - 1/2 (0.420 mi.)*	*59*	*151*
SLATTERY, MARK RESIDENCE (FORM	*205 W. TRINITY AVE.*	*ESE 1/4 - 1/2 (0.425 mi.)*	*T60*	*153*
CRAIG & DENNETT RESIDENCE	*1012 W. KNOX STREET*	*NW 1/4 - 1/2 (0.467 mi.)*	*U64*	*160*
COTTEN, DENICE PROPERTY	*401 WATTS ST.*	*WSW 1/4 - 1/2 (0.482 mi.)*	*V68*	*167*
SURLA, ELIZABETH PROPERTY	*510 EVERETTE PLACE*	*NNE 1/4 - 1/2 (0.483 mi.)*	*69*	*170*
JERNIGAN, CARLA	*408 W KNOX AVE.*	*NE 1/4 - 1/2 (0.492 mi.)*	*W71*	*175*
DORTON, SPERO RESIDENCE	*512 N. BUCHANAN BLVD*	*W 1/4 - 1/2 (0.493 mi.)*	*X72*	*177*
UMSTEAD RESIDENCE (KELLY)	*1502 RUFFIN STREET*	*N 1/4 - 1/2 (0.497 mi.)*	*74*	*180*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

Site Name	Database(s)
BLUE CROSS BLUE SHIELD (DURHAM SER	HWS
GTE - HWY 54	IMD,LUST
WEST BROTHERS TRANSFER	IMD,LUST
GTE CO. 0-016473	IMD,LUST
CIRCLE K STORE # 2706330	IMD,LUST
PANTRY #3163	LUST TRUST
CIRCLE K #08205	LUST TRUST
HEARTLAND	LUST TRUST
DUKE HOMESTEAD HISTORIC SITE	LUST TRUST
FLOWERS BAKING CO OF WEST VIRGINIA	FINDS,RCRA-NLR
BULL CITY RADIATOR & AUTO SERVICE	RCRA-NLR
NORTHROP ENVIRONMENTAL RESEARCH LA	FINDS,RCRA-NLR
REDWOOD BODY SHOP	FINDS,RCRA-CESQG
DUKE HOMESTEAD	FINDS,RCRA-CESQG
TRI CENTER SOUTH 14	ERNS
TRIANGLE CARE CENTER INCORPORATED	FINDS
DUKE SCHOOL	FINDS
BETHESDA SHOPPING CENTER	FINDS
BLUE CROSS BLUE SHIELD (DURHAM	IMD
CIRCLE K STORE # 2706312	IMD

OVERVIEW MAP - 3128960.2s



0 1/4 1/2 1 Miles

- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham NC 27701 LAT/LONG: 36.0077 / 78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY #: 3128960.2s DATE: July 21, 2011 2:14 pm

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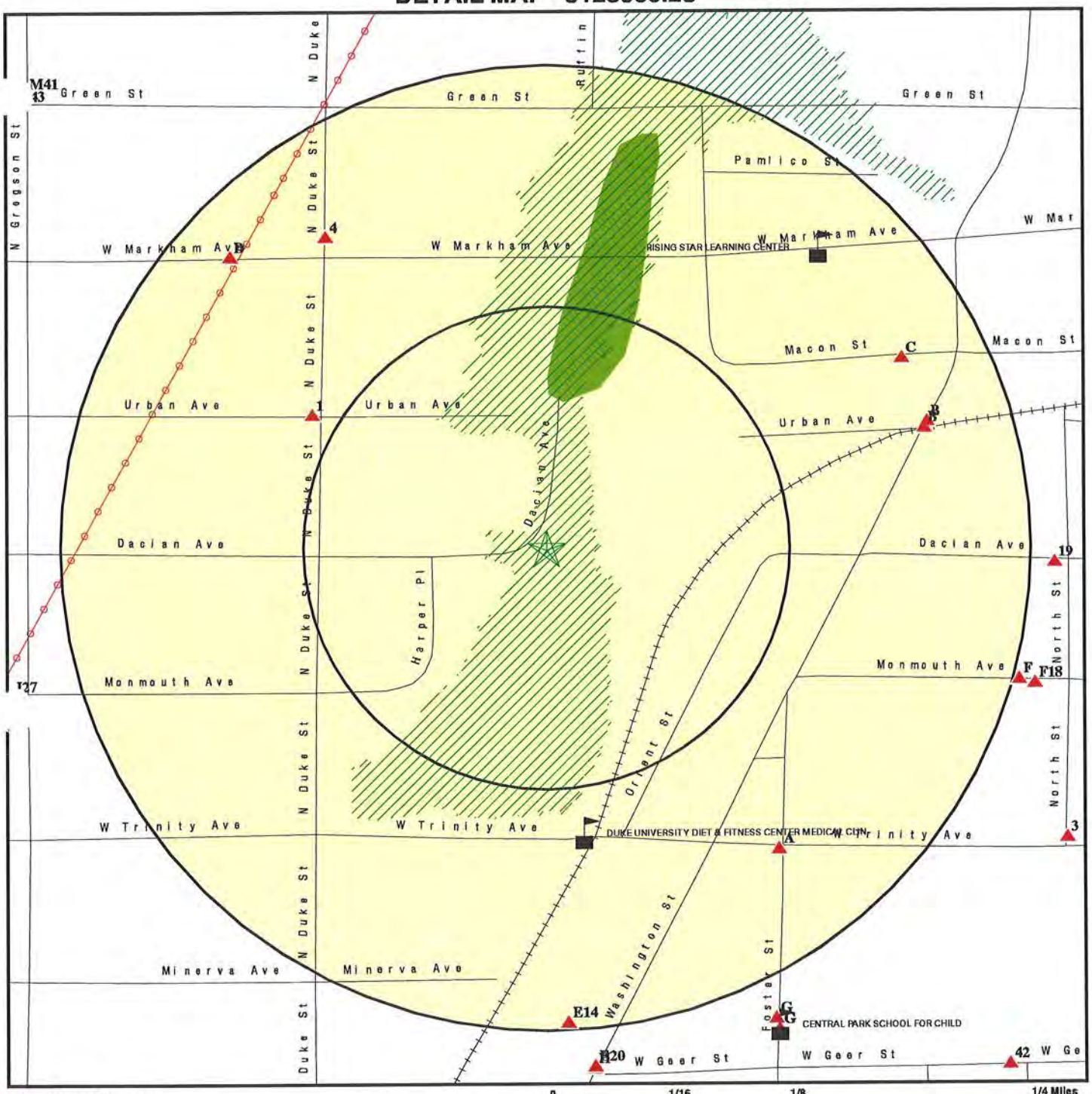
DETAIL MAP - 3128960.2s



0 1/16 1/8 1/4 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham NC 27701 LAT/LONG: 36.0077 / 78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY #: 3128960.2s DATE: July 21, 2011 2:15 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL		1.000	0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS		0.500	0	0	0	NR	NR	0
FEDERAL FACILITY		1.000	0	0	0	0	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP		0.500	0	0	1	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS		1.000	0	0	0	0	NR	0
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF		0.500	0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG		0.250	0	0	NR	NR	NR	0
RCRA-SQG		0.250	0	0	NR	NR	NR	0
RCRA-CESQG		0.250	0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
Federal ERNS list								
ERNS		TP	NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
NC HSDS		1.000	0	0	0	1	NR	1
State- and tribal - equivalent CERCLIS								
SHWS		1.000	0	0	1	4	NR	5
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF		0.500	0	0	0	NR	NR	0
OLI		0.500	0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST		0.500	0	6	44	NR	NR	50

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUST TRUST		0.500	0	3	27	NR	NR	30
LAST		0.500	0	1	7	NR	NR	8
INDIAN LUST		0.500	0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST		0.250	0	5	NR	NR	NR	5
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
FEMA UST		0.250	0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL		0.500	0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP		0.500	0	0	0	NR	NR	0
INDIAN VCP		0.500	0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS		0.500	0	0	1	NR	NR	1
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
HIST LF		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL		TP	NR	NR	NR	NR	NR	0
US HIST CDL		TP	NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS		TP	NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
IMD		0.500	0	5	32	NR	NR	37
UIC		TP	NR	NR	NR	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
SCRD DRYCLEANERS		0.500	0	0	0	NR	NR	0
PCB TRANSFORMER		TP	NR	NR	NR	NR	NR	0
COAL ASH EPA		0.500	0	0	0	NR	NR	0
COAL ASH DOE		TP	NR	NR	NR	NR	NR	0
FINANCIAL ASSURANCE		TP	NR	NR	NR	NR	NR	0
COAL ASH		0.500	0	0	0	NR	NR	0
EDR PROPRIETARY RECORDS								
EDR Proprietary Records								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

HSDS **LIGGETT & MYERS TOBACCO CO** **NC HSDS** **S102442265**
Region **N/A**
SW **, NC**
1/2-1
3644 ft.

NC HSDS:
Site Type: Federal
Superfund ID: 097 724 009
Lat/Long: 36 0 6.669864 78 54 54.024058

---

1 **PORTA PROPERTY** **LUST** **S109164526**
WNW **900 URBAN AVENUE** **LUST TRUST** **N/A**
1/8-1/4 **DURHAM, NC 27701**
0.139 mi.
733 ft.

Relative:
Higher

Actual:
337 ft.

LUST:
Facility ID: Not reported
UST Number: RA-5977
Incident Number: 33524
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2008-05-13 00:00:00
Date Occur: 2008-05-13 00:00:00
Cleanup: 2008-05-13 00:00:00
Closure Request: Not reported
Close Out: 2008-06-20 00:00:00
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Cleanups to alternate standards
PETOPT: 4
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 36 0 31.14 78 54 20.34

PORTA PROPERTY (Continued) **S109164526**

Lat/Long Decimal: 36.008665999999998 78.905665999999997
Testlat: Not reported
Regional Officer Project Mgr: WER
Region: Raleigh
Company: Not reported
Contact Person: Lisa Porta
Telephone: 8646312222
RP Address: 231 E. PARK AVENUE APT G
RP City,St,Zip: GREENVILLE, SC 29601
RP County: Not reported
Comments: 6.20.2008 ? notes for 20-day report 560-gallon residential heating oil UST removed on 5.7.2008. 34.60 tons of contaminated soil removed. Base and side walls samples collected ? awaiting analytical results.
Notes for Initial Abatement Action Report Samples collected one foot below the tank reported EPA 3550 @ 28,800 mg/kg and EPA 5035 @ 2,710 mg/kg. 34.60 tons of soil removed, base and side wall samples collected and analyzed for EPA 8260, 8270 BN, C5-C8 Aliphatics, C9-C18 Aliphatics, C19-C36 Aliphatics, and 9-22 Aromatics reported BQL. NFA issued. WER//
5 Min Quad: Not reported

PIRF:
Facility Id: 33524
Date Occurred: 2008-05-13 00:00:00
Date Reported: 2008-05-13 00:00:00
Description Of Incident: Samples collected one foot below the tank reported EPA 3550 @ 28,800 mg/kg and EPA 5035 @ 2,710 mg/kg. Soils remove, closure samples collected reported BQL.
Owner/Operator: Not reported
Ownership: 4
Operation Type: 3
Type: 4
Location: 7
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: Y
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 2
Cause: 3
Source: A
Ust Number: P

Last Modified: 2008-06-20 00:00:00
Incident Phase: **Closed Out**
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported

PORTA PROPERTY (Continued) **S109164526**

Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:
Facility ID: Not reported
Site ID: 33524
Site Note: Noncommercial; 100% eligible; $0 deductible.[CGS 2/2/09]
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

A2 **TRINITY FOOD MART** **LUST** **S110493082**
SE **403 W TRINITY AVE.** **N/A**
1/8-1/4 **DURHAM, NC 27701**
0.196 mi.
1033 ft. **Site 1 of 2 in cluster A**

Relative:
Higher

Actual:
371 ft.

LUST:
Facility ID: 0-016067
UST Number: RA-6692
Incident Number: 33850
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2010-05-26 00:00:00
Date Occur: 2010-05-25 00:00:00
Cleanup: 2010-05-25 00:00:00
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: Not reported
Risk Class Based On Review: H
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: FS
Land Use: Residential
MTBE: No
MTBE1: Yes
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Not reported
PETOPT: 3

TRINITY FOOD MART (Continued) **S110493082**

RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 19.68 78 54 4.92
Lat/Long Decimal:	36.005476000000002 78.901380000000003
Testlat:	Not reported
Regional Officer Project Mgr:	WER
Region:	Raleigh
Company:	Home Oil Co. Inc.
Contact Person:	Michael L Tompkins
Telephone:	Not reported
RP Address:	PO Box 100
RP City,St,Zip:	Mebane, NC 27302
RP County:	Not reported
Comments:	Not reported
5 Min Quad:	Not reported

PIRF:

Facility Id:	33850
Date Occurred:	2010-05-25 00:00:00
Date Reported:	2010-05-26 00:00:00
Description Of Incident:	Site Ck. Soil > NCALs///
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	4
Cause:	6
Source:	A
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Not reported**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

A3 SE 1/8-1/4 0.196 mi. 1033 ft. — **TRINITY FOOD MART, 403 WEST TRINITY, DURHAM, NC 27701** — **UST** — **U003144819 / N/A**

Site 2 of 2 in cluster A

Relative: Higher

Actual: 371 ft.

UST:

Facility ID:	0-016067
Region:	5
Facility Telephone:	(919) 563-5585
Last Update:	2011-01-14 00:00:00
Owner Name:	HOME OIL. INC.
Owner Address:	PO BOX 100
Owner City,St,Zip:	MEBANE, NC 27302
Owner Phone:	(919) 563-5585
Latitude:	36.00531
Latitude 1:	36 00 19.12
Longitude:	78.90189
Longitude 1:	78 54 06.80
GPS String Confirmed:	Yes
Initials of Individual Confirming GPS:	DAM

Tank ID:	1
Tank ID Number:	Not reported
Tank Capacity:	4000
Status:	**Permanent Closed**
Date installed:	1982-04-29 00:00:00
Date removed:	2010-10-28 00:00:00
Tank Product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	201003741O
Date Last Certified:	2010-03-19 00:00:00
Begin Certified Number:	2010-01-04 00:00:00
End Certified Number:	Not reported
Interior Protection:	Unknown
Exterior Protection:	Cathodic Protection
Piping material:	Cathodic Protection
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Impressed current
Corrosn Protec Pipe:	Impressed current
Spill and Overfill:	Automatic shutoff devices
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Catchment basins
Corrosion Protection Tank Date:	1998-01-01 00:00:00
Corrosion Protection Piping Date:	1998-01-01 00:00:00
Spill Overfill Date:	1997-01-12 00:00:00
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported

TRINITY FOOD MART (Continued) **U003144819**

Comment: Not reported

Tank ID: 2
Tank ID Number: Not reported
Tank Capacity: 4000
Status: **Permanent Closed**
Date installed: 1982-04-29 00:00:00
Date removed: 2010-10-28 00:00:00
Tank Product: Natural Gas
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: 201003741O
Date Last Certified: 2010-03-19 00:00:00
Begin Certified Number: 2010-01-04 00:00:00
End Certified Number: Not reported
Interior Protection: Unknown
Exterior Protection: Cathodic Protection
Piping material: Cathodic Protection
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Impressed current
Corrosn Protec Pipe: Impressed current
Spill and Overfill: Automatic shutoff devices
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Catchment basins
Corrosion Protection Tank Date: 1998-01-01 00:00:00
Corrosion Protection Piping Date: 1998-01-01 00:00:00
Spill Overfill Date: 1997-01-12 00:00:00
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 3
Tank ID Number: Not reported
Tank Capacity: 8000
Status: **Permanent Closed**
Date installed: 1982-04-29 00:00:00
Date removed: 2010-10-28 00:00:00
Tank Product: Gasoline, Gasoline Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: 201003741O
Date Last Certified: 2010-03-19 00:00:00

TRINITY FOOD MART (Continued) **U003144819**

Begin Certified Number:	2010-01-04 00:00:00
End Certified Number:	Not reported
Interior Protection:	Unknown
Exterior Protection:	Cathodic Protection
Piping material:	Cathodic Protection
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Impressed current
Corrosn Protec Pipe:	Impressed current
Spill and Overfill:	Automatic shutoff devices
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Catchment basins
Corrosion Protection Tank Date:	1998-01-01 00:00:00
Corrosion Protection Piping Date:	1998-01-01 00:00:00
Spill Overfill Date:	1997-01-12 00:00:00
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Comment:	Not reported

4
NW
1/8-1/4
0.198 mi.
1043 ft.

FRASHER, STEVE PROPERTY
1111 DUKE STREET
DURHAM, NC

IMD **S106936642**
LAST **N/A**

Relative:
Higher

Actual:
360 ft.

IMD:

Region:	RAL
Facility ID:	87406
Date Occurred:	4/8/2005
Submit Date:	7/20/2005
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Not reported
Incident Desc:	HEATING OIL RELEASE
Operator:	STEVE, FRASHER
Contact Phone:	919-451-7889
Owner Company:	Not reported
Operator Address:	4315 PEACHWAY DRIVE
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 919-451-7889
Ownership:	Federal
Operation:	Industrial
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Dredge Spoil
Type:	Heating Oil
Location:	Not reported
Setting:	Not reported
Risk Site:	Not reported
Site Priority:	20
Priority Code:	E
Priority Update:	Not reported

FRASHER, STEVE PROPERTY (Continued) **S106936642**

Dem Contact: ER
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.01073
Longitude: -78.90596
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: EST
Agency: DWQ
Facility ID: 87406
Last Modified: 7/20/2005
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: 7/21/2005
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 7/21/2005

LAST:
Facility ID: N/A
UST Number: RA-87406
Incident Number: 87406
Contamination Type: SL
Source Type: 14
Product Type: P
Date Reported: 2005-05-31 00:00:00
Date Occur: 2005-04-08 00:00:00
Cleanup: 2005-04-08 00:00:00
Closure Request: Not reported
Close Out: 2005-07-20 00:00:00
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: N
Of Supply Wells: 0
Commercial/NonCommercial UST Site: N
Risk Classification: Not reported
Risk Class Based On Review: U
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: 20
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No

FRASHER, STEVE PROPERTY (Continued) **S106936642**

MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	Not reported
Valid:	False
Lat/Long:	36 0 38.58 78 54 21.42
Lat/Long Decimal:	36.010730000000002 78.905959999999993
Testlat:	Not reported
Regional Officer Project Mgr:	JFM
Region:	RAL
Company:	Not reported
Contact Person:	FRASHER STEVE
Telephone:	Not reported
RP Address:	4315 PEACHWAY DRIVE
RP City,St,Zip:	DURHAM, NC 27705
RP County:	Not reported
Comments:	HEATING OIL RELEASE
5 Min Quad:	Not reported

B5 **BUY QUICK DBA/DAIRY FARM 1** **UST** **U001196344**
ENE **944 WASHINGTON STREET** **N/A**
1/8-1/4 **DURHAM, NC 27703**
0.203 mi.
1069 ft. **Site 1 of 4 in cluster B**

Relative:
Higher

Actual:
361 ft.

UST:

Facility ID:	0-016096
Region:	5
Facility Telephone:	(919) 467-1836
Last Update:	1990-04-16 00:00:00
Owner Name:	UNKNOWN-LAST OWNER CLINARD OIL C
Owner Address:	ROUTE 8, BOX 167
Owner City,St,Zip:	HIGH POINT, NC 27260
Owner Phone:	(336) 841-3000
Latitude:	0
Latitude 1:	Not reported
Longitude:	0
Longitude 1:	Not reported
GPS String Confirmed:	No

Initials of Individual Confirming GPS: Not reported

Tank ID:	1
Tank ID Number:	Not reported
Tank Capacity:	6000
Status:	**Permanent Closed**
Date installed:	1984-01-05 00:00:00
Date removed:	1989-02-27 00:00:00

BUY QUICK DBA/DAIRY FARM 1 (Continued) **U001196344**

Tank Product: Gasoline, Gasoline Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 2
Tank ID Number: Not reported
Tank Capacity: 6000
Status: Permanent Closed
Date installed: 1984-01-05 00:00:00
Date removed: 1989-02-27 00:00:00
Tank Product: Gasoline, Gasoline Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported

BUY QUICK DBA/DAIRY FARM 1 (Continued) **U001196344**

Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 3
Tank ID Number: Not reported
Tank Capacity: 3000
Status: Permanent Closed
Date installed: 1984-01-05 00:00:00
Date removed: 1989-02-27 00:00:00
Tank Product: Gasoline, Gasoline Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

B6 ENE 1/8-1/4 0.205 mi. 1080 ft. — **BRAME SPECIALTY COMPANY**, **949 WASHINGTON STREET**, **DURHAM, NC 27302** — **UST** — **U001196454**, **N/A**

Site 2 of 4 in cluster B

Relative: Higher

Actual: 361 ft.

UST:

Facility ID:	0-016248
Region:	5
Facility Telephone:	(919) 683-1331
Last Update:	1991-03-22 00:00:00
Owner Name:	BRAME LEASING CO INC
Owner Address:	949 WASHINGTON STREET
Owner City,St,Zip:	DURHAM, NC 27302
Owner Phone:	(919) 683-1331
Latitude:	0
Latitude 1:	Not reported
Longitude:	0
Longitude 1:	Not reported
GPS String Confirmed:	No

Initials of Individual Confirming GPS: Not reported

Tank ID:	1
Tank ID Number:	Not reported
Tank Capacity:	6000
Status:	**Permanent Closed**
Date installed:	1951-11-05 00:00:00
Date removed:	1991-12-12 00:00:00
Tank Product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	Unknown
Exterior Protection:	Paint
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Protection Piping Date:	Not reported
Spill Overfill Date:	Not reported
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported

BRAME SPECIALTY COMPANY (Continued) **U001196454**

Comment: Not reported

B7
ENE
1/8-1/4
0.205 mi.
1083 ft.

BRAME - WASHINGTON ST.
949 WASHINGTON ST.
DURHAM, NC

IMD S105764983
LUST N/A

Site 3 of 4 in cluster B

Relative:
Higher

Actual:
361 ft.

IMD:

Region:	RAL
Facility ID:	8954
Date Occurred:	4/12/1992
Submit Date:	8/27/1992
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	Not reported
Operator:	ROBERT BRAME
Contact Phone:	919-683-5530
Owner Company:	BRAME LEASING CO.
Operator Address:	BOX 271
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27702-
Ownership:	Not reported
Operation:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Not reported
Setting:	Not reported
Risk Site:	Not reported
Site Priority:	30E
Priority Code:	E
Priority Update:	12/4/1998
Dem Contact:	STA
Wells Affected:	Not reported
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	36.00888888
Longitude:	-78.9
Latitude Number:	360032
Longitude Number:	785400
Latitude Decimal:	36.0088888888889
Longitude Decimal:	78.9
GPS:	NOD
Agency:	DWM
Facility ID:	8954
Last Modified:	2/3/1993
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported

BRAME - WASHINGTON ST. (Continued) **S105764983**

Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 8/15/1992

LUST:
Facility ID: 0-016248
UST Number: RA-1380
Incident Number: 8954
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 1991-12-12 00:00:00
Date Occur: 1992-04-12 00:00:00
Cleanup: Not reported
Closure Request: Not reported
Close Out: 1992-08-20 00:00:00
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: Not reported
Risk Class Based On Review: Not reported
Corrective Action Plan Type: C
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: 30E
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in Archives
RBCA GW: Not reported
PETOPT: 3
RPL: False
CD Num: 44
Reel Num: 101
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 360032 785400
Lat/Long Decimal: 0 0
Testlat: Not reported
Regional Officer Project Mgr: STA
Region: Raleigh
Company: BRAME LEASING CO.
Contact Person: ROBERT BRAME

BRAME - WASHINGTON ST. (Continued) **S105764983**

Telephone: 919-683-5530
RP Address: BOX 271
RP City,St,Zip: DURHAM, NC 27702-
RP County: Not reported
Comments: MINOR SOIL CONTAM. FOUND UPON REMOVAL OF ONE GAS & ONE HTG. OIL UST
5 Min Quad: I42x

PIRF:
Facility Id: 8954
Date Occurred: Not reported
Date Reported: 1992-08-27 00:00:00
Description Of Incident: Not reported
Owner/Operator: ROBERT BRAME
Ownership: Not reported
Operation Type: Not reported
Type: Not reported
Location: Not reported
Site Priority: 30E
Priority Update: 1998-12-04 00:00:00
Wells Affected Y/N: Not reported
Samples Include: 0
7#5 Minute Quad: Not reported
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Min_Soil
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: Not reported

Last Modified: 1993-02-03 00:00:00
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 1992-08-15 00:00:00

B8 **BLACKWOOD PROPERTY, JOHN** **IMD S101572322**
ENE **944 WASHNGTON STREET** **LUST N/A**
1/8-1/4 **DURHAM, NC**
0.207 mi.
1094 ft. **Site 4 of 4 in cluster B**

Relative:
Higher

Actual:
361 ft.

IMD:
Region: RAL
Facility ID: 8362
Date Occurred: 3/29/1989
Submit Date: 7/6/1992
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: TANKS REMOVED, CONTAMINATION FOUND

BLACKWOOD PROPERTY, JOHN (Continued) **S101572322**

Operator: JOHN BLACKWOOD
Contact Phone: 9196826742
Owner Company: Not reported
Operator Address: PO BOX 628
Operator City: DURHAM
Oper City,St,Zip: DURHAM, NC 27702-
Ownership: Private
Operation: Commercial
Material: GAS
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: Not reported
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: STA
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.00833333
Longitude: -78.9
Latitude Number: 360030
Longitude Number: 785400
Latitude Decimal: 36.0083333333333
Longitude Decimal: 78.9
GPS: NOD
Agency: DWM
Facility ID: 8362
Last Modified: 7/10/1992
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 7/6/1992

LUST:
Facility ID: Not reported
UST Number: RA-1328
Incident Number: 8362
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM

BLACKWOOD PROPERTY, JOHN (Continued) **S101572322**

Date Reported: 1990-05-04 00:00:00
Date Occur: 1989-03-29 00:00:00
Cleanup: Not reported
Closure Request: Not reported
Close Out: 1992-06-12 00:00:00
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: Not reported
Risk Class Based On Review: Not reported
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: 0
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in Archives
RBCA GW: Not reported
PETOPT: 3
RPL: False
CD Num: 44
Reel Num: 101
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 360030 785400
Lat/Long Decimal: 0 0
Testlat: Not reported
Regional Officer Project Mgr: STA
Region: Raleigh
Company: Not reported
Contact Person: JOHN BLACKWOOD
Telephone: 9196826742
RP Address: PO BOX 628
RP City,St,Zip: DURHAM, NC 27702-
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported

PIRF:
Facility Id: 8362
Date Occurred: 1989-03-01 00:00:00
Date Reported: 1992-07-06 00:00:00
Description Of Incident: TANKS REMOVED, CONTAMINATION FOUND
Owner/Operator: JOHN BLACKWOOD
Ownership: 4
Operation Type: 6
Type: 3

BLACKWOOD PROPERTY, JOHN (Continued) **S101572322**

Location:	1
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	Not reported
Samples Include:	0
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Min_Soil
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	1992-07-10 00:00:00
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	1992-07-06 00:00:00

C9 **GEORGE W KANE INC** **UST** **U003143243**
ENE **421 MACON ST** **N/A**
1/8-1/4 **DURHAM, NC**
0.208 mi.
1099 ft. **Site 1 of 3 in cluster C**

Relative:
Higher

Actual:
362 ft.

UST:

Facility ID:	0-005856
Region:	5
Facility Telephone:	(919) 438-8715
Last Update:	1989-11-03 00:00:00
Owner Name:	GEORGE W. KANE. INC.
Owner Address:	117 WEST MONTGOMERY STREET
Owner City,St,Zip:	HENDERSON, NC 0
Owner Phone:	(000) 000-0000
Latitude:	0
Latitude 1:	Not reported
Longitude:	0
Longitude 1:	Not reported
GPS String Confirmed:	No

Initials of Individual Confirming GPS: Not reported

Tank ID:	1
Tank ID Number:	Not reported
Tank Capacity:	1000
Status:	**Permanent Closed**
Date installed:	1966-05-13 00:00:00
Date removed:	1989-06-29 00:00:00
Tank Product:	Gasoline, Gasoline Mixture
Product Type:	NON

GEORGE W KANE INC (Continued) **U003143243**

Tank Material:	Unknown
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	Unknown
Exterior Protection:	Unknown
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Protection Piping Date:	Not reported
Spill Overfill Date:	Not reported
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Comment:	Not reported

C10 **KANE, GEORGE W.** **IMD S105765382**
ENE **421 MACON ST.** **LUST N/A**
1/8-1/4 **DURHAM, NC**
0.208 mi.
1099 ft. **Site 2 of 3 in cluster C**

Relative:
Higher

Actual:
362 ft.

IMD:

Region:	RAL
Facility ID:	5130
Date Occurred:	6/29/1989
Submit Date:	7/19/1989
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Incident Desc:	DURING ROUTINE TANK PULL, PRODUCT WAS DISCOVERED IN BOTTOM OF TANK PIT.
Operator:	MR. BILL BROWNING
Contact Phone:	9196874131
Owner Company:	GEORGE W. KANE, INC.
Operator Address:	120 EAST MAIN STREET
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27701-
Ownership:	Private
Operation:	Commercial
Material:	GASOLINE
Qty Lost 1:	Not reported
Qty Recovered 1:	25 GALS.
Source:	Leak-underground

KANE, GEORGE W. (Continued) **S105765382**

Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: L
Site Priority: 115E
Priority Code: L
Priority Update: 4/16/1998
Dem Contact: MRP
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.00916666
Longitude: -78.90222222
Latitude Number: 360033
Longitude Number: 785408
Latitude Decimal: 36.0091666666667
Longitude Decimal: 78.9022222222222
GPS: NOD
Agency: DWM
Facility ID: 5130
Last Modified: 4/3/1991
Incident Phase: Follow Up
NOV Issued: 2/18/1991
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: 0-005856
UST Number: RA-679
Incident Number: 5130
Contamination Type: Groundwater/Both
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 1989-06-29 00:00:00
Date Occur: 1989-06-29 00:00:00
Cleanup: 1989-06-29 00:00:00
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: L
Risk Class Based On Review: H
Corrective Action Plan Type: C

KANE, GEORGE W. (Continued) **S105765382**

NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	115E
Phase Of LSA Req:	Not reported
Site Risk Reason:	GS
Land Use:	Not reported
MTBE:	No
MTBE1:	Yes
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Not reported
PETOPT:	3
RPL:	False
CD Num:	Not reported
Reel Num:	Not reported
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	360033 785408
Lat/Long Decimal:	36.009166999999998 78.902221999999995
Testlat:	Not reported
Regional Officer Project Mgr:	MRP
Region:	Raleigh
Company:	GEORGE W. KANE, INC.
Contact Person:	MR. BILL BROWNING
Telephone:	9196874131
RP Address:	120 EAST MAIN STREET
RP City,St,Zip:	DURHAM, NC 27701-
RP County:	DURHAM
Comments:	Free product; pump&treat; quarterly s&a...NO FP AT ALL.KAH.
5 Min Quad:	I42y

PIRF:

Facility Id:	5130
Date Occurred:	1989-06-29 00:00:00
Date Reported:	1989-07-19 00:00:00
Description Of Incident:	DURING ROUTINE TANK PULL, PRODUCT WAS DISCOVERED IN BOTTOM OF TANK PIT.
Owner/Operator:	MR. W.A. STOKES
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Site Priority:	115E
Priority Update:	1998-04-16 00:00:00
Wells Affected Y/N:	N
Samples Include:	0
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Pirf
Err Type:	Not reported

KANE, GEORGE W. (Continued) **S105765382**

Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	1991-04-03 00:00:00
Incident Phase:	**Follow Up**
NOV Issued:	1991-02-18 00:00:00
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

C11 ENE 1/8-1/4 0.208 mi. 1099 ft. **KANE WAREHOUSE 421 MACON STREET DURHAM, NC** **LUST TRUST** **S105217917 N/A**

Site 3 of 3 in cluster C

Relative: Higher

Actual: 362 ft.

LUST TRUST:

Facility ID:	0-005856
Site ID:	5130
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Commercial
Priority Rank:	Low
Deductable Amount:	50000
3rd Party Deductable Amt:	100000
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

D12 NW 1/8-1/4 0.222 mi. 1172 ft. **PAINTER PROPERTY (WILLIE) 930 WEST MARKHAM AVE DURHAM, NC** **LUST TRUST** **S106352296 N/A**

Site 1 of 2 in cluster D

Relative: Higher

Actual: 366 ft.

LUST TRUST:

Facility ID:	Not reported
Site ID:	26261
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	100000
Sum 3rd Party Amt Applied:	0

PAINTER PROPERTY (WILLIE) (Continued) **S106352296**

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

D13
NW
1/8-1/4
0.222 mi.
1172 ft.

PAINTER RESIDENCE (WILLIE)
930 W. MARKHAM AVE.
DURHAM, NC

IMD S105895859
LUST N/A

Site 2 of 2 in cluster D

Relative:
Higher

Actual:
366 ft.

IMD:

Region:	RAL
Facility ID:	26261
Date Occurred:	4/14/2003
Submit Date:	5/8/2003
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	One (1) 550-gallon heating oil UST
Operator:	Not reported
Contact Phone:	9196802028
Owner Company:	WILLIE PAINTER
Operator Address:	762 9TH STREET
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27705-
Ownership:	Private
Operation:	Residential
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Not reported
Risk Site:	L
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	JFM
Wells Affected:	No
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	Dept. of Health Services
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	36.01
Longitude:	-78.90611111
Latitude Number:	360036
Longitude Number:	785422
Latitude Decimal:	36.01
Longitude Decimal:	78.9061111111111
GPS:	6
Agency:	DWM
Facility ID:	26261
Last Modified:	5/21/2003
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported

PAINTER RESIDENCE (WILLIE) (Continued) **S105895859**

Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-4507
Incident Number: 26261
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2003-05-08 00:00:00
Date Occur: 2003-04-14 00:00:00
Cleanup: Not reported
Closure Request: Not reported
Close Out: 2003-05-21 00:00:00
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in Archives
RBCA GW: Not reported
PETOPT: 4
RPL: False
CD Num: 225
Reel Num: 79
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 36 0 36 78 54 22.92
Lat/Long Decimal: 36.009999999999998 78.906389000000004
Testlat: Not reported
Regional Officer Project Mgr: JFM
Region: Raleigh
Company: WILLIE PAINTER

PAINTER RESIDENCE (WILLIE) (Continued) **S105895859**

Contact Person:	Not reported
Telephone:	9196802028
RP Address:	762 9TH STREET
RP City,St,Zip:	DURHAM, NC 27705-
RP County:	Not reported
Comments:	05/06/03 - 20-Day rpt submitted: Following removal of 550-gal heating oil UST on 04/29/03 approx. 7 tons impacted soil removed. Soils < S-GW MSCCs. - CED //// 05/21/03 - NFA Issue
5 Min Quad:	Not reported

PIRF:

Facility Id:	26261
Date Occurred:	2003-04-14 00:00:00
Date Reported:	2003-05-08 00:00:00
Description Of Incident:	One (1) 550-gallon heating oil UST
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	2
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
Ust Number:	C
Last Modified:	2003-05-21 00:00:00
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

E14 South 1/8-1/4 0.245 mi. 1296 ft. **ERWIN OIL CO.** **UST** **U001196698**
P.O. BOX 1971/701 WASHINGTON ST. **N/A**
DURHAM, NC 27702

Site 1 of 2 in cluster E

Relative: Higher

Actual: 338 ft.

UST:

Facility ID:	0-016602
Region:	5
Facility Telephone:	(919) 682-9168

ERWIN OIL CO. (Continued) **U001196698**

Last Update: Not reported
Owner Name: ERWIN OIL CO
Owner Address: PO BOX 1971 - 701 WASHINGTON ST
Owner City,St,Zip: DURHAM, NC 27702
Owner Phone: (919) 682-9168
Latitude: 0
Latitude 1: Not reported
Longitude: 0
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported

Tank ID: 1
Tank ID Number: Not reported
Tank Capacity: 1000
Status: Permanent Closed
Date installed: 1976-09-05 00:00:00
Date removed: 1994-08-07 00:00:00
Tank Product: Diesel, Diesel Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: None
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 2
Tank ID Number: Not reported
Tank Capacity: 1000
Status: Permanent Closed
Date installed: 1976-09-05 00:00:00

ERWIN OIL CO. (Continued) **U001196698**

Date removed:	1994-08-07 00:00:00
Tank Product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	None
Exterior Protection:	Paint
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Protection Piping Date:	Not reported
Spill Overfill Date:	Not reported
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Comment:	Not reported

F15 **BAUCOM PROPERTY** **LUST TRUST** **S105922645**
ESE **316 MONMOUTH AVENUE** **N/A**
1/4-1/2 **DURHAM, NC**
0.253 mi.
1338 ft. **Site 1 of 4 in cluster F**

Relative:
Higher

Actual:
399 ft.

LUST TRUST:

Facility ID:	Not reported
Site ID:	26100
Site Note:	Appeal to claim 200 submitted 5/18/06, more than three years after the audit of the claim. Appeal is outside of the 90-day limit and did not include the proof of payment for the requested lab services and was returned.
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

F16
ESE
1/4-1/2
0.253 mi.
1338 ft.

BAUCOM, HAZEL - RESIDENCE
316 MONMOUTH AVE
DURHAM, NC

IMD **S105707172**
LUST **N/A**

Site 2 of 4 in cluster F

Relative:
Higher

Actual:
399 ft.

IMD:

Region:	RAL
Facility ID:	26100
Date Occurred:	11/12/2002
Submit Date:	12/2/2002
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	500-gallon heating oil UST closed on 10/23/2002. 12/11/2002, JFM ///
Operator:	Not reported
Contact Phone:	9196884408
Owner Company:	HAZEL BAUCOM
Operator Address:	316 MONMOUTH AVE
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27701-
Ownership:	Private
Operation:	Residential
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Not reported
Risk Site:	L
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	MRP
Wells Affected:	No
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	Dept. of Health Services
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	36.00666666
Longitude:	-78.90027777
Latitude Number:	360024
Longitude Number:	785401
Latitude Decimal:	36.0066666666667
Longitude Decimal:	78.9002777777778
GPS:	7
Agency:	DWM
Facility ID:	Not reported
Last Modified:	Not reported
Incident Phase:	Not reported
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported

BAUCOM, HAZEL - RESIDENCE (Continued) **S105707172**

Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:

Facility ID:	Not reported
UST Number:	RA-4248
Incident Number:	26100
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	2002-12-02 00:00:00
Date Occur:	2002-11-12 00:00:00
Cleanup:	2002-11-12 00:00:00
Closure Request:	Not reported
Close Out:	2004-03-24 00:00:00
Level Of Soil Cleanup Achieved:	Soil to Groundwater
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	No
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Cleanups to 2L.0202 standards
PETOPT:	4
RPL:	False
CD Num:	224
Reel Num:	73
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	360024 785401
Lat/Long Decimal:	0 0
Testlat:	Not reported
Regional Officer Project Mgr:	MRP
Region:	Raleigh
Company:	HAZEL BAUCOM
Contact Person:	Not reported
Telephone:	9196884408
RP Address:	316 MONMOUTH AVE

BAUCOM, HAZEL - RESIDENCE (Continued) **S105707172**

RP City,St,Zip: DURHAM, NC 27701-
RP County: Not reported
Comments: //Incident originally issued NFA 5/16/03 but remaining soil contamination had not been assessed. Reopened 3/24/04 by MRP for SAR review. -MRP//
5 Min Quad: Not reported

PIRF:

Facility Id:	26100
Date Occurred:	2002-11-12 00:00:00
Date Reported:	2002-12-02 00:00:00
Description Of Incident:	500-gallon heating oil UST closed on 10/23/2002. 12/11/2002, JFM ///
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	2
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
Ust Number:	C
Last Modified:	Not reported
Incident Phase:	**Not reported**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

F17 **KRAMER RESIDENCE (THOMAS)** **IMD** **S106520663**
ESE **317 MONMOUTH AVENUE** **LUST** **N/A**
1/4-1/2 **DURHAM, NC** **LUST TRUST**
0.254 mi.
1340 ft. **Site 3 of 4 in cluster F**

Relative:
Higher

Actual:
399 ft.

IMD:

Region:	Not reported
Facility ID:	26640
Date Occurred:	6/17/2004
Submit Date:	6/24/2004
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes

KRAMER RESIDENCE (THOMAS) (Continued) **S106520663**

Incident Desc: 550 g heating oil UST, 62 tons contam soils removed, 1:5 confirmatory soil samples were barely > residential mscc;
Operator: Not reported
Contact Phone: Not reported
Owner Company: THOMAS KRAMER
Operator Address: 1071 ROBINSON COURT
Operator City: ATHENS
Oper City,St,Zip: ATHENS, GA 30606-
Ownership: Private
Operation: Residential
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Residence
Setting: Not reported
Risk Site: Unknown
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: MRP
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: 8
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.00611111
Longitude: -78.9
Latitude Number: 360022
Longitude Number: 785400
Latitude Decimal: 36.0061111111111
Longitude Decimal: 78.9
GPS: 7
Agency: DWM
Facility ID: 26640
Last Modified: 8/12/2004
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-5094
Incident Number: 26640
Contamination Type: Soil

KRAMER RESIDENCE (THOMAS) (Continued) **S106520663**

Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2004-06-24 00:00:00
Date Occur: 2004-06-17 00:00:00
Cleanup: Not reported
Closure Request: Not reported
Close Out: 2004-08-12 00:00:00
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: U
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in Archives
RBCA GW: Cleanups to 2L.0202 standards
PETOPT: 4
RPL: False
CD Num: 307
Reel Num: 203
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 360022 785400
Lat/Long Decimal: 0 0
Testlat: Not reported
Regional Officer Project Mgr: MRP
Region: Raleigh
Company: THOMAS KRAMER
Contact Person: Not reported
Telephone: Not reported
RP Address: 1071 ROBINSON COURT
RP City,St,Zip: ATHENS, GA 30606-
RP County: Not reported
Comments: 7/14/2004 - 20 DAY & LSA REV'D FOR PROPERTY TRANSACTION; Incident file review - - - - 24 hour release form submitted 6/24/2004 (3550 sample is 12000 ppm); 20 day report submitted 7/6/2004 (550 g heating oil UST removed on 6/17/04, soil sample taken at
5 Min Quad: Not reported

PIRF:
Facility Id: 26640
Date Occurred: Not reported
Date Reported: Not reported

KRAMER RESIDENCE (THOMAS) (Continued) **S106520663**

Description Of Incident:	550 g heating oil UST, 62 tons contam soils removed, 1:5 confirmatory soil samples were barely > residential mscc;
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	n
Samples Include:	Not reported
7#5 Minute Quad:	8
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
Ust Number:	C
Last Modified:	2004-08-12 00:00:00
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	26640
Site Note:	Noncommercial. 90% eligible. 5K deductible.
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	5000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

F18 ESE 1/4-1/2 0.261 mi. 1380 ft. **FRANCIS, SHELLEY RESIDENCE**
311 MONMOUTH AVENUE
DURHAM, NC

IMD **S106936239**
LUST **N/A**
LUST TRUST

Site 4 of 4 in cluster F

Relative: Higher

Actual: 400 ft.

IMD:

Region:	Not reported
Facility ID:	26868
Date Occurred:	4/22/2005
Submit Date:	4/26/2005
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	530 gallon heating oil UST removed w/ 60.28 tons of contaminated soil. Initial soil sample had 27,172 ppm DRO TPH. 2 post excavation samples above res MSCCs.
Operator:	SHELLEY FRANCIS
Contact Phone:	9196884188
Owner Company:	Not reported
Operator Address:	P O BOX 15603
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27704-
Ownership:	Private
Operation:	Residential
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Not reported
Risk Site:	L
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	MRP
Wells Affected:	No
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	6
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	36.00611111
Longitude:	-78.87777777
Latitude Number:	360022
Longitude Number:	785240
Latitude Decimal:	36.0061111111111
Longitude Decimal:	78.8777777777778
GPS:	6
Agency:	DWM
Facility ID:	26868
Last Modified:	Not reported
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported

FRANCIS, SHELLEY RESIDENCE (Continued) **S106936239**

SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-5323
Incident Number: 26868
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2005-04-26 00:00:00
Date Occur: 2005-04-22 00:00:00
Cleanup: 2005-05-23 00:00:00
Closure Request: Not reported
Close Out: 2005-08-03 00:00:00
Level Of Soil Cleanup Achieved: Industrial/Commercial
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: L
Risk Class Based On Review: H
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: 2005-08-03 00:00:00
Release Detection: 0
Current Status: File Located in Archives
RBCA GW: Cleanups to 2L.0202 standards
PETOPT: 4
RPL: False
CD Num: 313
Reel Num: 228
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 36 0 22.86 78 5 240
Lat/Long Decimal: 36.006360999999998 78.900000000000006
Testlat: Not reported
Regional Officer Project Mgr: MRP
Region: Raleigh
Company: Not reported
Contact Person: SHELLEY FRANCIS
Telephone: 9196884188

FRANCIS, SHELLEY RESIDENCE (Continued) **S106936239**

RP Address: P O BOX 15603
RP City,St,Zip: DURHAM, NC 27704-
RP County: Not reported
Comments: One 530 gallon heating oil UST removed w/ 60.28 tons of contaminated soil. Initial soil sample taken before tank removal had 27,172 ppm DRO TPH. Two post excavation soil samples had C9-C22 aromatics above the residential MSCC and one had napthalene above
5 Min Quad: Not reported

PIRF:
Facility Id: 26868
Date Occurred: 2005-04-22 00:00:00
Date Reported: 2005-04-26 00:00:00
Description Of Incident: 530 gallon heating oil UST removed w/ 60.28 tons of contaminated soil. Initial soil sample had 27,172 ppm DRO TPH. 2 post excavation samples above res MSCCs.
Owner/Operator: Not reported
Ownership: 4
Operation Type: 3
Type: 4
Location: 7
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: 6
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 3
Cause: Not reported
Source: Not reported
Ust Number: P

Last Modified: Not reported
Incident Phase: **Closed Out**
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:
Facility ID: Not reported
Site ID: 26868
Site Note: Noncommercial. 100 % eligible. 0 deductible.
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0

FRANCIS, SHELLEY RESIDENCE (Continued) **S106936239**

Sum 3rd Party Amt Applied: 0

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19
East
1/4-1/2
0.263 mi.
1386 ft.

NEWTON RESIDENCE, LUKE
305 DACIAN AVE.
DURHAM, NC

IMD **S105958815**
LUST **N/A**
LUST TRUST

Relative:
Higher

Actual:
384 ft.

IMD:

Region:	RAL
Facility ID:	26320
Date Occurred:	5/27/2003
Submit Date:	7/11/2003
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Incident Desc:	Not reported
Operator:	LUKE NEWTON
Contact Phone:	Not reported
Owner Company:	Not reported
Operator Address:	305 DACIAN AVE.
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27701-
Ownership:	Private
Operation:	Residential
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Not reported
Risk Site:	Not reported
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	MRP
Wells Affected:	Not reported
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	Dept. of Env. Management
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	36.0075
Longitude:	-78.89916666
Latitude Number:	360027
Longitude Number:	785357
Latitude Decimal:	36.0075
Longitude Decimal:	78.8991666666667
GPS:	7
Agency:	DWM
Facility ID:	Not reported
Last Modified:	Not reported
Incident Phase:	Not reported
NOV Issued:	Not reported

NEWTON RESIDENCE, LUKE (Continued) **S105958815**

NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-4597
Incident Number: 26320
Contamination Type: Groundwater/Both
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2003-07-09 00:00:00
Date Occur: 2003-05-27 00:00:00
Cleanup: 2003-05-27 00:00:00
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: Not reported
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: 1
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Not reported
PETOPT: 4
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 360027 785357
Lat/Long Decimal: 36.0075 78.899167000000006
Testlat: Not reported
Regional Officer Project Mgr: MRP

NEWTON RESIDENCE, LUKE (Continued) **S105958815**

Region:	Raleigh
Company:	Not reported
Contact Person:	LUKE NEWTON
Telephone:	Not reported
RP Address:	305 DACIAN AVE.
RP City,St,Zip:	DURHAM, NC 27701-
RP County:	Not reported
Comments:	slight gw impacts above 2L for aromatics and methylnaphthalene
5 Min Quad:	Not reported

PIRF:

Facility Id:	26320
Date Occurred:	2003-05-27 00:00:00
Date Reported:	2003-07-11 00:00:00
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	Not reported
Samples Include:	Not reported
7#5 Minute Quad:	1
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	Not reported
Source:	C
Ust Number:	C
Last Modified:	Not reported
Incident Phase:	**Not reported**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	26320
Site Note:	$5,000.00 deductible, then 10% copayment due from the claimee after the 5K deductible is met (or in other words; 90% to reimbursed from the fund after the 5K dedutible is met).
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	5000

NEWTON RESIDENCE, LUKE (Continued) **S105958815**

3rd Party Deductable Amt: 100000
Sum 3rd Party Amt Applied: 0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

E20 South 1/4-1/2 0.269 mi. 1420 ft. **HARRIS OIL CO. OF DURHAM. INC** **IMD U001195795**
703 WASHINGTON STREET **LUST N/A**
DURHAM, NC 27701 **UST**

Site 2 of 2 in cluster E

Relative: Higher

Actual: 340 ft.

IMD:

Region:	RAL
Facility ID:	12650
Date Occurred:	7/8/1993
Submit Date:	8/15/1993
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	A 1000 GAL UST WAS REMOVED, GOOD CONDITION, SOIL SAMPLER WAS ABOVE ACTION LEVEL BUT BELOW SSE CLEAN UP LEVEL
Operator:	Not reported
Contact Phone:	Not reported
Owner Company:	HARRIS OIL OF DURHAM, INC
Operator Address:	703 WASHINGTON ST
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27701-
Ownership:	Private
Operation:	Commercial
Material:	GAS
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Urban
Risk Site:	Not reported
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	STA
Wells Affected:	Not reported
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	36.00388888
Longitude:	-78.90305555
Latitude Number:	360014
Longitude Number:	785411
Latitude Decimal:	36.0038888888889
Longitude Decimal:	78.9030555555556
GPS:	NOD
Agency:	DWM
Facility ID:	12650
Last Modified:	12/27/1994

HARRIS OIL CO. OF DURHAM. INC (Continued) **U001195795**

Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	8/4/1994

LUST:

Facility ID:	0-015322
UST Number:	RA-2089
Incident Number:	12650
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	1993-07-22 00:00:00
Date Occur:	1993-07-08 00:00:00
Cleanup:	Not reported
Closure Request:	Not reported
Close Out:	1994-08-05 00:00:00
Level Of Soil Cleanup Achieved:	Not reported
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	Not reported
Risk Class Based On Review:	Not reported
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	0
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Not reported
PETOPT:	3
RPL:	False
CD Num:	45
Reel Num:	105
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	360014 785411
Lat/Long Decimal:	0 0

HARRIS OIL CO. OF DURHAM. INC (Continued) **U001195795**

Testlat: Not reported
Regional Officer Project Mgr: STA
Region: Raleigh
Company: HARRIS OIL OF DURHAM, INC
Contact Person: Not reported
Telephone: Not reported
RP Address: 703 WASHINGTON ST
RP City,St,Zip: DURHAM, NC 27701-
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported

PIRF:
Facility Id: 12650
Date Occurred: 1993-07-08 00:00:00
Date Reported: 1993-08-15 00:00:00
Description Of Incident: A 1000 GAL UST WAS REMOVED, GOOD CONDITION, SOIL SAMPLER WAS ABOVE ACTION LEVEL BUT BELOW SSE CLEAN UP LEVEL
Owner/Operator: Not reported
Ownership: 4
Operation Type: 6
Type: 3
Location: 1
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: Not reported
Samples Include: 0
7#5 Minute Quad: Not reported
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Min_Soil
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: Not reported

Last Modified: 1994-12-27 00:00:00
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 1994-08-04 00:00:00

UST:
Facility ID: 0-015322
Region: 5
Facility Telephone: (919) 688-7006
Last Update: Not reported
Owner Name: HARRIS OIL CO. OF DURHAM. INC.
Owner Address: 703 WASHINGTON STREET

HARRIS OIL CO. OF DURHAM. INC (Continued) **U001195795**

Owner City,St,Zip: DURHAM, NC 27701
Owner Phone: (919) 688-7006
Latitude: 0
Latitude 1: Not reported
Longitude: 0
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported

Tank ID: 1
Tank ID Number: Not reported
Tank Capacity: 1000
Status: Permanent Closed
Date installed: 1979-08-05 00:00:00
Date removed: 1993-08-07 00:00:00
Tank Product: Gasoline, Gasoline Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: 1992-10-31 00:00:00
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: None
Exterior Protection: Unknown
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

G21
SSE
1/4-1/2
0.270 mi.
1425 ft.

SCOTT & ROBERTS INC
733 FOSTER ST
DURHAM, NC 27701

Site 1 of 4 in cluster G

RCRA-CESQG **1000831155**
FINDS **NCD024528762**
IMD
DRYCLEANERS

Relative:
Higher

Actual:
351 ft.

RCRA-CESQG:

Date form received by agency:	09/21/2009
Facility name:	SCOTT & ROBERTS INC
Facility address:	733 FOSTER ST DURHAM, NC 27701
EPA ID:	NCD024528762
Mailing address:	FOSTER ST DURHAM, NC 27701
Contact:	JONG S PARK
Contact address:	FOSTER ST DURHAM, NC 27701
Contact country:	US
Contact telephone:	919-720-9402
Contact email:	Not reported
EPA Region:	04
Land type:	Private
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name:	JONG PARK
Owner/operator address:	FOSTER ST DURHAM, NC 27701
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	05/08/2009
Owner/Op end date:	Not reported
Owner/operator name:	JONG & KAY PARK
Owner/operator address:	FOSTER ST DURHAM, NC 27701
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	05/08/2009
Owner/Op end date:	Not reported

SCOTT & ROBERTS INC (Continued) **1000831155**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 05/07/1990
Facility name: SCOTT & ROBERTS INC
Classification: Small Quantity Generator

Date form received by agency: 05/07/1990
Facility name: SCOTT & ROBERTS INC
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D007
Waste name: CHROMIUM

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 09/14/2001
Date achieved compliance: 09/20/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/14/2001

SCOTT & ROBERTS INC (Continued) **1000831155**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 262.34(d)(5)(ii),262.11(a)(b),
Area of violation: Generators - Pre-transport
Date violation determined: 08/08/1996
Date achieved compliance: 01/06/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/08/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 262.41
Area of violation: Generators - General
Date violation determined: 10/19/1995
Date achieved compliance: 04/24/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/19/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 263.11(a)
Area of violation: Transporters - General
Date violation determined: 12/27/1994
Date achieved compliance: 01/06/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/27/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 262.34(a)2,(a)3,262.34b
Area of violation: Generators - General
Date violation determined: 12/27/1994
Date achieved compliance: 01/06/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/27/1994
Enf. disposition status: Not reported

SCOTT & ROBERTS INC (Continued) **1000831155**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 263.11(a)
Area of violation: Transporters - General
Date violation determined: 12/27/1994
Date achieved compliance: 01/06/1997
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/23/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 120199
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 262.34(a)2,(a)3,262.34b
Area of violation: Generators - General
Date violation determined: 12/27/1994
Date achieved compliance: 01/06/1997
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/23/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 120199
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 130A-294-1
Area of violation: Generators - General
Date violation determined: 11/23/1994
Date achieved compliance: 12/31/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/23/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 06/30/2009
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/18/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

SCOTT & ROBERTS INC (Continued) **1000831155**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/07/2003
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/20/2001
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/14/2001
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Generators - General
Date achieved compliance: 09/20/2001
Evaluation lead agency: State

Evaluation date: 02/16/1999
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/24/1997
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/06/1997
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/07/1996
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/08/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 01/06/1997
Evaluation lead agency: State

Evaluation date: 10/19/1995
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Generators - General
Date achieved compliance: 04/24/1997
Evaluation lead agency: State

SCOTT & ROBERTS INC (Continued) **1000831155**

Evaluation date: 10/05/1995
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/03/1995
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/28/1994
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/27/1994
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Transporters - General
Date achieved compliance: 01/06/1997
Evaluation lead agency: State

Evaluation date: 12/27/1994
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Generators - General
Date achieved compliance: 01/06/1997
Evaluation lead agency: State

Evaluation date: 11/23/1994
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Generators - General
Date achieved compliance: 12/31/1995
Evaluation lead agency: State

FINDS:

Registry ID: 110001502892

Environmental Interest/Information System
AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve accessibility to comprehensive information about environmental regulated entities in

SCOTT & ROBERTS INC (Continued) **1000831155**

the state of North Carolina.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

IMD:

Region:	RAL
Facility ID:	10568
Date Occurred:	2/19/1992
Submit Date:	7/22/1993
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Incident Desc:	SOIL CONTAMINATION DISCOVERED UPON REMOVAL OF USTS.
Operator:	JONG PARK
Contact Phone:	Not reported
Owner Company:	K S P COMPANY, INC.
Operator Address:	6820 DAVIS CIRCLE
Operator City:	RALEIGH
Oper City,St,Zip:	RALEIGH, NC 27613-3114
Ownership:	Private
Operation:	Commercial
Material:	GASOLING
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Material:	DIESEL
Qty Lost:	Not reported
Qty Recovered:	Not reported
Material:	MINERAL SPIRITS
Qty Lost:	Not reported
Qty Recovered 3:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Not reported
Setting:	Residential
Risk Site:	L
Site Priority:	50E
Priority Code:	L
Priority Update:	4/16/1998
Dem Contact:	MRP
Wells Affected:	Not reported
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	36.00416666
Longitude:	-75.90138888
Latitude Number:	360015
Longitude Number:	755405
Latitude Decimal:	36.0041666666667
Longitude Decimal:	75.9013888888889

SCOTT & ROBERTS INC (Continued) **1000831155**

GPS:	7
Agency:	DWM
Facility ID:	10568
Last Modified:	Not reported
Incident Phase:	RE
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

DRYCLN:

Facility ID:	032-0011
Status:	Assessment
Lat/Long:	36.004950000000 -78.90167999999
ID Number:	320011
Shopping Center:	Not reported
Certified Date:	08/09/2004
PM:	DT
Project Manager:	Diane Thomas

G22 **SCOTT & ROBERTS. INC.** **LUST 1000955553**
SSE **733 FOSTER STREET** **UST N/A**
1/4-1/2 **DURHAM, NC 27701**
0.270 mi.
1425 ft. **Site 2 of 4 in cluster G**

Relative:
Higher

Actual:
351 ft.

LUST:

Facility ID:	0-015930
UST Number:	RA-1724
Incident Number:	10568
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	1992-04-01 00:00:00
Date Occur:	1992-02-19 00:00:00
Cleanup:	1992-02-19 00:00:00
Closure Request:	Not reported
Close Out:	Not reported
Level Of Soil Cleanup Achieved:	Not reported
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	I
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	2002-04-10 00:00:00
Site Priority:	50E
Phase Of LSA Req:	Not reported
Site Risk Reason:	GS

SCOTT & ROBERTS. INC. (Continued) **1000955553**

Land Use:	Not reported
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Not reported
PETOPT:	3
RPL:	False
CD Num:	Not reported
Reel Num:	Not reported
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	360015 755405
Lat/Long Decimal:	36.004167000000002 75.901388999999995
Testlat:	Not reported
Regional Officer Project Mgr:	WER
Region:	Raleigh
Company:	K S P COMPANY, INC.
Contact Person:	JONG PARK
Telephone:	Not reported
RP Address:	6820 DAVIS CIRCLE
RP City,St,Zip:	RALEIGH, NC 27613-3114
RP County:	Not reported
Comments:	//NOV for LSA issued 8-6-03. -MRP// Not reported //11-12-03: Consultant sending in letter requesting extension for additional LSA work. GW has PERC (& daughter products) and RP is applying for site certification w/. Dry-cleaning Solvent Cleanup Act Group. -MRP// //LSA not completed, but GW data submitted Dec 2003 reported benzene above GCL. -MRP// //Per 4-5-06 letter from Dianne Thomas of state Dry-Cleaning Solvent Cleanup Act (DSCA) Program, RP is requested to sign & return an agreement for all assessment and cleanup activities at the site to be handled under DSCA's state lead program. (Including petroleum UST release.) RP is not to seek reimbursement from UST Trust Fund for DSCA work. -MRP//
5 Min Quad:	I42y

PIRF:

Facility Id:	10568
Date Occurred:	1992-04-28 00:00:00
Date Reported:	1993-07-22 00:00:00
Description Of Incident:	SOIL CONTAMINATION DISCOVERED UPON REMOVAL OF USTS.
Owner/Operator:	JONG PARK
Ownership:	4
Operation Type:	6
Type:	5
Location:	Not reported
Site Priority:	50E
Priority Update:	1998-04-16 00:00:00
Wells Affected Y/N:	Not reported
Samples Include:	0

SCOTT & ROBERTS. INC. (Continued) **1000955553**

7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Min_Soil
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	Not reported
Incident Phase:	**Response**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

UST:

Facility ID:	0-015930
Region:	5
Facility Telephone:	(919) 682-9325
Last Update:	1992-03-02 00:00:00
Owner Name:	KSP CO. INC
Owner Address:	733 FOSTER STREET
Owner City,St,Zip:	DURHAM, NC 27701
Owner Phone:	(919) 682-9325
Latitude:	0
Latitude 1:	Not reported
Longitude:	0
Longitude 1:	Not reported
GPS String Confirmed:	No

Initials of Individual Confirming GPS: Not reported

Tank ID:	1
Tank ID Number:	Not reported
Tank Capacity:	6600
Status:	**Permanent Closed**
Date installed:	1947-05-15 00:00:00
Date removed:	1992-01-13 00:00:00
Tank Product:	Other, Petroleum
Product Type:	NON
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	1988-02-28 00:00:00
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	Unknown
Exterior Protection:	Paint

SCOTT & ROBERTS. INC. (Continued) **1000955553**

Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Protection Piping Date:	Not reported
Spill Overfill Date:	Not reported
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Comment:	STODDARD SOLVENT

Tank ID:	2
Tank ID Number:	Not reported
Tank Capacity:	1000
Status:	**Permanent Closed**
Date installed:	1947-05-15 00:00:00
Date removed:	1992-01-13 00:00:00
Tank Product:	Fuel Oil
Product Type:	HEA
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	1987-10-26 00:00:00
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	Unknown
Exterior Protection:	Paint
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Protection Piping Date:	Not reported
Spill Overfill Date:	Not reported

SCOTT & ROBERTS. INC. (Continued) **1000955553**

Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 3
Tank ID Number: Not reported
Tank Capacity: 560
Status: **Permanent Closed**
Date installed: 1947-05-15 00:00:00
Date removed: 1992-01-13 00:00:00
Tank Product: Gasoline, Gasoline Mixture
Product Type: NIU
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: 1987-10-26 00:00:00
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: Unknown
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 4
Tank ID Number: Not reported
Tank Capacity: 550
Status: **Permanent Closed**
Date installed: 1947-05-15 00:00:00
Date removed: 1992-01-13 00:00:00
Tank Product: Other, Petroleum
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: 1988-02-28 00:00:00

SCOTT & ROBERTS. INC. (Continued) **1000955553**

Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: Unknown
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: DISTILLED SOLVENT

Tank ID: 5
Tank ID Number: Not reported
Tank Capacity: 550
Status: Permanent Closed
Date installed: 1947-05-15 00:00:00
Date removed: 1992-01-13 00:00:00
Tank Product: Unknown
Product Type: NIU
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: 1969-01-02 00:00:00
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: Unknown
Exterior Protection: Paint
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported

SCOTT & ROBERTS. INC. (Continued) **1000955553**

Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

H23 **ERWIN OIL BULK PLANT** **IMD** **S101643161**
South **701 WASHINGTON STREET** **LUST** **N/A**
1/4-1/2 **DURHAM, NC**
0.270 mi.
1426 ft. **Site 1 of 2 in cluster H**

Relative:
Higher

Actual:
340 ft.

IMD:
Region: RAL
Facility ID: 14095
Date Occurred: 7/8/1994
Submit Date: 6/7/1995
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: UPON REMOVAL OF 2 USTS, SOIL CONTAM. WAS CONFIRMED.
Operator: DAN ERWIN
Contact Phone: 919-682-9168
Owner Company: ERWIN OIL CO.
Operator Address: 701 WASHINGTON ST.
Operator City: DURHAM
Oper City,St,Zip: DURHAM, NC 27702-
Ownership: Private
Operation: Commercial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Material: DIESEL
Qty Lost: Not reported
Qty Recovered: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: L
Site Priority: 20E
Priority Code: L
Priority Update: 4/16/1998
Dem Contact: MRP
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Soil Samples
7.5 Min Quad: Not reported
5 Min Quad: I42Y
Latitude: 36.00388888
Longitude: -78.90305555
Latitude Number: 360014
Longitude Number: 785411

ERWIN OIL BULK PLANT (Continued) **S101643161**

Latitude Decimal:	36.0038888888889
Longitude Decimal:	78.9030555555556
GPS:	4
Agency:	DWM
Facility ID:	14095
Last Modified:	12/30/1998
Incident Phase:	Follow Up
NOV Issued:	11/30/1998
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST:

Facility ID:	0-016602
UST Number:	RA-2224
Incident Number:	14095
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	1994-07-07 00:00:00
Date Occur:	1994-07-08 00:00:00
Cleanup:	1994-07-08 00:00:00
Closure Request:	Not reported
Close Out:	Not reported
Level Of Soil Cleanup Achieved:	Residential
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	20E
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	Yes
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Cleanups to alternate standards
PETOPT:	3
RPL:	False
CD Num:	Not reported
Reel Num:	Not reported
RPOW:	False

ERWIN OIL BULK PLANT (Continued) **S101643161**

RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 14.94 78 54 11.94
Lat/Long Decimal:	36.004167000000002 78.903333000000003
Testlat:	Not reported
Regional Officer Project Mgr:	MRP
Region:	Raleigh
Company:	ERWIN OIL CO.
Contact Person:	DAN ERWIN
Telephone:	919-682-9168
RP Address:	701 WASHINGTON ST.
RP City,St,Zip:	DURHAM, NC 27702-
RP County:	Not reported
Comments:	Soil assessment and SSE rec'd 9/7/95 Not reported //Enforcement package for failure to submit an LSA completed 9/8/05. -MRP//
5 Min Quad:	I42y

PIRF:

Facility Id:	14095
Date Occurred:	1994-07-08 00:00:00
Date Reported:	1995-06-07 00:00:00
Description Of Incident:	UPON REMOVAL OF 2 USTS, SOIL CONTAM. WAS CONFIRMED.
Owner/Operator:	DAN ERWIN
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Site Priority:	20E
Priority Update:	1998-04-16 00:00:00
Wells Affected Y/N:	N
Samples Include:	0
7#5 Minute Quad:	3
5 Minute Quad:	2
Pirf/Min Soil:	Not reported
Release Code:	I42Y
Source Code:	Pirf
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	1998-12-30 00:00:00
Incident Phase:	**Follow Up**
NOV Issued:	1998-11-30 00:00:00
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

H24 South 1/4-1/2 0.270 mi. 1426 ft. | **ERWIN OIL BLK PLANT AST SPILL**
701 WASHINGTON STREET
DURHAM, NC | **IMD** | **S103717970**
LAST | **N/A**

Site 2 of 2 in cluster H

Relative: Higher

Actual: 340 ft.

IMD:

Region:	RAL
Facility ID:	19287
Date Occurred:	11/16/1998
Submit Date:	12/30/1998
GW Contam:	No data entered (data entry person submitted a blank field
Soil Contam:	Not reported
Incident Desc:	AST OVERFLOWED, OIL IN BERM,SOME ENTERED DRAIN INTO CREEK
Operator:	ERWIN, DANIEL
Contact Phone:	919-682-9168
Owner Company:	ERWIN OIL COMPANY
Operator Address:	701 WASHINGTON STREET
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 919-682-9168
Ownership:	Federal
Operation:	8
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Dredge Spoil
Type:	Heating Oil
Location:	Not reported
Setting:	Not reported
Risk Site:	Not reported
Site Priority:	Not reported
Priority Code:	E
Priority Update:	Not reported
Dem Contact:	ERIC RICE
Wells Affected:	No
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	EST
Agency:	DWQ
Facility ID:	19287
Last Modified:	2/8/2001
Incident Phase:	RE
NOV Issued:	11/30/1998
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported

ERWIN OIL BLK PLANT AST SPILL (Continued) **S103717970**

RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LAST:
Facility ID: N/A
UST Number: RA-19287
Incident Number: 19287
Contamination Type: SL
Source Type: 14
Product Type: P
Date Reported: 1998-11-30 00:00:00
Date Occur: 1998-11-17 00:00:00
Cleanup: 1998-11-17 00:00:00
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: N
Of Supply Wells: 0
Commercial/NonCommercial UST Site: N
Risk Classification: Not reported
Risk Class Based On Review: U
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: 30
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: C
RBCA GW: Not reported
PETOPT: 4
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: Not reported
Valid: False
Lat/Long: 36 0 14.94 78 54 13.92
Lat/Long Decimal: 36.004165999999998 78.903887999999995
Testlat: Not reported
Regional Officer Project Mgr: JFM
Region: RAL
Company: ERWIN OIL COMPANY
Contact Person: DANIEL ERWIN
Telephone: 9196829168
RP Address: 701 WASHINGTON STREET
RP City,St,Zip: DURHAM, NC 27701

ERWIN OIL BLK PLANT AST SPILL (Continued) **S103717970**

RP County: Not reported
Comments: AST OVERFLOWED, OIL IN BERM,SOME ENTERED DRAIN INTO CREEK
5 Min Quad: Not reported

G25
SSE
1/4-1/2
0.276 mi.
1456 ft.

ARMY RESERVE XVIII AIRBORNE CORPS
724 FOSTER STREET
DURHAM, NC 27701

CERC-NFRAP **1000102359**
RCRA-NonGen **NC9210022787**
FINDS
SHWS

Site 3 of 4 in cluster G

Relative:
Higher

Actual:
349 ft.

CERC-NFRAP:
Site ID: 0403201
Federal Facility: Federal Facility
NPL Status: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 4309578.00000
Person ID: 4270042.00000

Contact Sequence ID: 4357406.00000
Person ID: 4000084.00000

Contact Sequence ID: 4368934.00000
Person ID: 4270039.00000

Contact Sequence ID: 4429439.00000
Person ID: 4000312.00000

Contact Sequence ID: 4430354.00000
Person ID: 4000508.00000

Contact Sequence ID: 4538190.00000
Person ID: 4000533.00000

Contact Sequence ID: 4757709.00000
Person ID: 4000275.00000

Contact Sequence ID: 4781871.00000
Person ID: 13002428.00000

Contact Sequence ID: 4831166.00000
Person ID: 4270104.00000

Contact Sequence ID: 13093882.00000
Person ID: 4272610.00000

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: USA RESERVE XVIII AIRBORNE CORPS
Alias Address: Not reported
DURHAM, NC

Alias Name: DURHAM #2 ARMY RESERVE CENTER
Alias Address: 724 FOSTER ST
DURHAM, NC

ARMY RESERVE XVIII AIRBORNE CORPS (Continued) **1000102359**

CERCLIS-NFRAP Assessment History:

Action:	DISCOVERY
Date Started:	Not reported
Date Completed:	11/16/1988
Priority Level:	Not reported
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported
Date Completed:	08/29/1990
Priority Level:	Low priority for further assessment
Action:	PRELIMINARY ASSESSMENT
Date Started:	Not reported
Date Completed:	09/27/2005
Priority Level:	NFRAP-Site does not qualify for the NPL based on existing information
Action:	ARCHIVE SITE
Date Started:	Not reported
Date Completed:	03/21/2006
Priority Level:	Not reported

RCRA-NonGen:

Date form received by agency:	08/10/1990
Facility name:	ARMY RESERVE XVIII AIRBORNE CORPS
Facility address:	724 FOSTER STREET DURHAM, NC 27701
EPA ID:	NC9210022787
Mailing address:	ATTN: AFZA FE EE FORT BRAGG, NC 28307
Contact:	BRUCE PARKER
Contact address:	Not reported Not reported
Contact country:	Not reported
Contact telephone:	(919) 396-8207
Contact email:	Not reported
EPA Region:	04
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	DEPT OF ARMY
Owner/operator address:	Not reported Not reported
Owner/operator country:	Not reported
Owner/operator telephone:	Not reported
Legal status:	Federal
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No

ARMY RESERVE XVIII AIRBORNE CORPS (Continued) **1000102359**

Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110004015155

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SHWS:
Facility ID: NC9210022787
Facility Type: Sites Requiring No Further Action
Lat/Longitude: Not reported
Geolocation Method: Not reported

G26 **ARMY RESERVE CENTER** **IMD S101572929**
SSE **724 FOSTER ST.** **LUST N/A**
1/4-1/2 **DURHAM, NC**
0.276 mi.
1456 ft. **Site 4 of 4 in cluster G**

Relative:
Higher

Actual:
349 ft.

IMD:
Region: RAL
Facility ID: 9965
Date Occurred: 1/27/1993
Submit Date: 3/23/1993
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: UPON REMOVAL OF UST, SOIL CONTAM. WAS CONFIRMED.
Operator: Not reported
Contact Phone: (919)6887436
Owner Company: ALICE M. STONE
Operator Address: BLDG 9810 LEG RD.
Operator City: FT JACKSON
Oper City,St,Zip: FT JACKSON, SC 29207-
Ownership: Military
Operation: Public Service
Material: #2 FUEL OIL
Qty Lost 1: Not reported
Qty Recovered 1: Not reported

ARMY RESERVE CENTER (Continued) **S101572929**

Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: Not reported
Site Priority: 10
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: MRP
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.00555555
Longitude: -78.90111111
Latitude Number: 360020
Longitude Number: 785404
Latitude Decimal: 36.0055555555556
Longitude Decimal: 78.9011111111111
GPS: 7
Agency: DWM
Facility ID: 9965
Last Modified: 3/3/1999
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 3/23/1993

LUST:
Facility ID: Not reported
UST Number: RA-1562
Incident Number: 9965
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 1993-01-27 00:00:00
Date Occur: 1993-01-27 00:00:00
Cleanup: Not reported
Closure Request: Not reported
Close Out: 1993-06-11 00:00:00
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: Not reported
Risk Class Based On Review: Not reported

ARMY RESERVE CENTER (Continued) **S101572929**

Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: 0
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in Archives
RBCA GW: Not reported
PETOPT: 4
RPL: False
CD Num: 44
Reel Num: 104
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 360020 785404
Lat/Long Decimal: 0 0
Testlat: Not reported
Regional Officer Project Mgr: MRP
Region: Raleigh
Company: ALICE M. STONE
Contact Person: Not reported
Telephone: (919)6887436
RP Address: BLDG 9810 LEG RD.
RP City,St,Zip: FT JACKSON, SC 29207-
RP County: Not reported
Comments: Not reported
5 Min Quad: H42y

PIRF:
Facility Id: 9965
Date Occurred: 1993-01-27 00:00:00
Date Reported: 1993-03-23 00:00:00
Description Of Incident: UPON REMOVAL OF UST, SOIL CONTAM. WAS CONFIRMED.
Owner/Operator: Not reported
Ownership: 2
Operation Type: 1
Type: 4
Location: 1
Site Priority: 10
Priority Update: Not reported
Wells Affected Y/N: Not reported
Samples Include: 0
7#5 Minute Quad: Not reported
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Min_Soil
Err Type: Not reported

ARMY RESERVE CENTER (Continued) **S101572929**

Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	1999-03-03 00:00:00
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	1993-03-23 00:00:00

I27
WSW
1/4-1/2
0.285 mi.
1504 ft.

BONDY PROPERTY
1003 MONMOUTH AVE
DURHAM, NC 27701

LAST **S110629420**
N/A

Site 1 of 3 in cluster I

Relative:
Higher

Actual:
359 ft.

LAST:

Facility ID:	Not reported
UST Number:	RA-92127
Incident Number:	92120
Contamination Type:	SL
Source Type:	14
Product Type:	P
Date Reported:	2009-05-28 00:00:00
Date Occur:	2009-05-27 00:00:00
Cleanup:	2009-05-28 00:00:00
Closure Request:	Not reported
Close Out:	2009-09-23 00:00:00
Level Of Soil Cleanup Achieved:	S3
Tank Regulated Status:	N
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	N
Risk Classification:	Not reported
Risk Class Based On Review:	U
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	RES
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False

BONDY PROPERTY (Continued) **S110629420**

CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 23.04 78 54 30.84
Lat/Long Decimal:	36.006408 78.908574999999999
Testlat:	Not reported
Regional Officer Project Mgr:	WER
Region:	RAL
Company:	Not reported
Contact Person:	Eric Bondy
Telephone:	Not reported
RP Address:	1311 Quarry Lane
RP City,St,Zip:	Lancaster, PA 17603
RP County:	Not reported
Comments:	Not reported
5 Min Quad:	Not reported

I28 **QUINN RESIDENCE** **LUST** **S109836989**
WSW **1004 MONMOUTH AVE** **LUST TRUST** **N/A**
1/4-1/2 **DURHAM, NC**
0.287 mi.
1517 ft. **Site 2 of 3 in cluster I**

Relative:
Higher

Actual:
360 ft.

LUST:

Facility ID:	Not reported
UST Number:	RA-6540
Incident Number:	33713
Contamination Type:	None
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	2009-07-21 00:00:00
Date Occur:	2009-07-21 00:00:00
Cleanup:	2009-07-21 00:00:00
Closure Request:	Not reported
Close Out:	2009-10-02 00:00:00
Level Of Soil Cleanup Achieved:	Soil to Groundwater
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	Not reported
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0

QUINN RESIDENCE (Continued) **S109836989**

Current Status:	File Located in House
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 31.14 78 54 50.04
Lat/Long Decimal:	36.008668999999998 78.913899999999998
Testlat:	Not reported
Regional Officer Project Mgr:	WER
Region:	Raleigh
Company:	Not reported
Contact Person:	Naomi Quinn
Telephone:	9196842810
RP Address:	1004 Monmouth Avenue
RP City,St,Zip:	Durham, NC 27701
RP County:	Not reported
Comments:	Not reported
5 Min Quad:	Not reported

PIRF:

Facility Id:	33713
Date Occurred:	2009-07-21 00:00:00
Date Reported:	2009-07-21 00:00:00
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported

QUINN RESIDENCE (Continued) **S109836989**

RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:
Facility ID: Not reported
Site ID: 33713
Site Note: Noncommercial; 100% eligible; $0 deductible.[CGS 2/15/10]
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

I29 WSW 1/4-1/2 0.290 mi. 1533 ft. **BROMBERG - SELTZER, BRUCE - PR**
1006 MONMOUTH AVE.
DURHAM, NC

IMD S105548353
LUST N/A
LUST TRUST

Site 3 of 3 in cluster I

Relative: Higher

Actual: 360 ft.

IMD:
Region: RAL
Facility ID: 24474
Date Occurred: 6/28/2002
Submit Date: 8/1/2002
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: ONE 560 GAL FUEL OIL UST REMOVED. SOIL CONTAMINATION DETECTED IN SAMPLES COLLECTED AT CLOSURE.
Operator: Not reported
Contact Phone: 919/489-6405
Owner Company: BRUCE BROMBERG - SELTZER
Operator Address:73 BARRETT ROAD
Operator City: NORTH HAMPTON
Oper City,St,Zip: NORTH HAMPTON, MA 01060-
Ownership: Private
Operation: Residential
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Residence
Setting: Residential
Risk Site: L
Site Priority: U
Priority Code: Not reported
Priority Update: 8/1/2002
Dem Contact: JFM
Wells Affected: Not reported
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported

BROMBERG - SELTZER, BRUCE - PR (Continued) **S105548353**

Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.00694444
Longitude: -78.90861111
Latitude Number: 360025
Longitude Number: 785431
Latitude Decimal: 36.0069444444444
Longitude Decimal: 78.9086111111111
GPS: 6
Agency: DWM
Facility ID: 24474
Last Modified: 8/1/2002
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-4094
Incident Number: 24474
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2002-07-22 00:00:00
Date Occur: 2002-06-28 00:00:00
Cleanup: 2002-06-28 00:00:00
Closure Request: Not reported
Close Out: 2003-07-17 00:00:00
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: 2002-07-30 00:00:00
Site Priority: Not reported
Phase Of LSA Req: 1
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: 2003-11-13 00:00:00
Release Detection: 0

BROMBERG - SELTZER, BRUCE - PR (Continued) **S105548353**

Current Status:	File Located in Archives
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	224
Reel Num:	74
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 25.2 78 54 31.14
Lat/Long Decimal:	36.006999999999998 78.908666999999994
Testlat:	Not reported
Regional Officer Project Mgr:	JFM
Region:	Raleigh
Company:	BRUCE BROMBERG - SELTZER
Contact Person:	Not reported
Telephone:	919/489-6405
RP Address:	73 BARRETT ROAD
RP City,St,Zip:	NORTH HAMPTON, MA 01060-
RP County:	Not reported
Comments:	One 560-gallon residential heating oil UST removed. -MRP
5 Min Quad:	Not reported

PIRF:

Facility Id:	24474
Date Occurred:	2002-06-28 00:00:00
Date Reported:	2002-08-01 00:00:00
Description Of Incident:	ONE 560 GAL FUEL OIL UST REMOVED. SOIL CONTAMINATION DETECTED IN SAMPLES COLLECTED AT CLOSURE.
Owner/Operator:	BRUCE BROMBERG-SELTZER
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	U
Priority Update:	2002-08-01 00:00:00
Wells Affected Y/N:	Not reported
Samples Include:	Not reported
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
Ust Number:	C
Last Modified:	2002-08-01 00:00:00
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported

BROMBERG - SELTZER, BRUCE - PR (Continued) **S105548353**

Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:
Facility ID: Not reported
Site ID: 24474
Site Note: Not reported
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

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30 ESE 1/4-1/2 0.308 mi. 1624 ft. **DURHAM HOUSING AUTHORITY (NORT**
1104 NORTH STREET
DURHAM, NC

IMD S105912318
LAST N/A

Relative: Higher

Actual: 382 ft.

IMD:
Region: RAL
Facility ID: 86591
Date Occurred: 5/2/2003
Submit Date: 7/23/2003
GW Contam: Groundwater Contamination status unknown
Soil Contam: Not reported
Incident Desc: SITE IS IN THE PROCESS OF BEING PURCHASED OR HAS BEEN PURCHASED BY THE CITY OF DURHAM. TOOK GPS READING IN DRIVEWAY OF A GARAGE WHERE 1104 SHOULD BE 7/23/2003.
Operator: ,
Contact Phone: Not reported
Owner Company: UNKNOWN
Operator Address: Not reported
Operator City: Not reported
Oper City,St,Zip: Not reported
Ownership: Municipal
Operation: Not Reported
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Dredge Spoil
Type: Heating Oil
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: 30
Priority Code: E
Priority Update: Not reported
Dem Contact: ERIC RICE
Wells Affected: No
Num Affected: 0

DURHAM HOUSING AUTHORITY (NORT (Continued) **S105912318**

Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.006106
Longitude: -78.898611
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: EST
Agency: DWQ
Facility ID: 86591
Last Modified: 7/23/2003
Incident Phase: Discovery
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LAST:
Facility ID: N/A
UST Number: RA-86591
Incident Number: 86591
Contamination Type: SL
Source Type: 14
Product Type: P
Date Reported: 2003-07-23 00:00:00
Date Occur: 2003-05-02 00:00:00
Cleanup: 2003-05-02 00:00:00
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: N
Of Supply Wells: 0
Commercial/NonCommercial UST Site: N
Risk Classification: Not reported
Risk Class Based On Review: U
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: 30
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No

DURHAM HOUSING AUTHORITY (NORT (Continued) **S105912318**

LUR Filed:	Not reported
Release Detection:	0
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	Not reported
Valid:	False
Lat/Long:	36 0 21.96 78 53 54.96
Lat/Long Decimal:	36.006106000000003 78.898611000000002
Testlat:	Not reported
Regional Officer Project Mgr:	JFM
Region:	RAL
Company:	Durham Housing Authority
Contact Person:	Chester Mayfield
Telephone:	Not reported
RP Address:	330 E. Main St.
RP City,St,Zip:	Durham, NC 27702
RP County:	Not reported
Comments:	SITE IS IN THE PROCESS OF BEING PURCHASED OR HAS BEEN PURCHASED BY THE CITY OF DURHAM.TOOK GPS READING IN DRIVEWAY OF A GARAGE WHERE 1104 SHOULD BE 7/23/2003.
5 Min Quad:	Not reported

31
WSW
1/4-1/2
0.311 mi.
1643 ft.

UMSTEAD RESIDENCE
1020 MONMOUTH AVE.
DURHAM, NC

IMD **S103717838**
LUST **N/A**
LUST TRUST

Relative:
Higher

Actual:
362 ft.

IMD:

Region:	RAL
Facility ID:	19890
Date Occurred:	3/16/1998
Submit Date:	3/25/1999
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	SOIL CONTAM. ASSOCIATED W/ REMOVAL OF 550 GAL HEATING OIL UST
Operator:	DAN UMSTEAD
Contact Phone:	919-680-2933
Owner Company:	Not reported
Operator Address:	1020 MONMOUTH AVENUE
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27701-
Ownership:	Private
Operation:	Residential
Material:	HEATING OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Residential

UMSTEAD RESIDENCE (Continued) **S103717838**

Risk Site: L
Site Priority: Not reported
Priority Code: Not reported
Priority Update: 4/5/1999
Dem Contact: MRP
Wells Affected: Not reported
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.00638888
Longitude: -78.90944444
Latitude Number: 360023
Longitude Number: 785434
Latitude Decimal: 36.0063888888889
Longitude Decimal: 78.9094444444444
GPS: 6
Agency: DWM
Facility ID: 19890
Last Modified: Not reported
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-2951
Incident Number: 19890
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 1998-04-16 00:00:00
Date Occur: 1998-03-16 00:00:00
Cleanup: 1998-03-16 00:00:00
Closure Request: Not reported
Close Out: 2002-10-28 00:00:00
Level Of Soil Cleanup Achieved: Residential
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: 2002-02-26 00:00:00
Site Priority: E

UMSTEAD RESIDENCE (Continued) **S103717838**

Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	168
Reel Num:	173
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 23.82 78 54 34.38
Lat/Long Decimal:	36.006633000000001 78.909566999999996
Testlat:	Not reported
Regional Officer Project Mgr:	MRP
Region:	Raleigh
Company:	Not reported
Contact Person:	DAN UMSTEAD
Telephone:	919-680-2933
RP Address:	1020 MONMOUTH AVENUE
RP City,St,Zip:	DURHAM, NC 27701-
RP County:	Not reported
Comments:	Not reported
5 Min Quad:	Not reported

PIRF:

Facility Id:	19890
Date Occurred:	1998-03-16 00:00:00
Date Reported:	1999-03-25 00:00:00
Description Of Incident:	SOIL CONTAM. ASSOCIATED W/ REMOVAL OF 550 GAL HEATING OIL UST
Owner/Operator:	DAN UMSTEAD
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	1999-04-05 00:00:00
Wells Affected Y/N:	Not reported
Samples Include:	Not reported
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	MIN_SOIL
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported

UMSTEAD RESIDENCE (Continued) **S103717838**

Last Modified:	Not reported
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	19890
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	100000
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

J32 **WHITFIELD PROPERTY (ELVIS)** **LUST TRUST** **S106122970**
WSW **1010 WEST TRINITY AVENUE** **N/A**
1/4-1/2 **DURHAM, NC**
0.323 mi.
1704 ft. **Site 1 of 4 in cluster J**

Relative:
Higher

Actual:
357 ft.

LUST TRUST:

Facility ID:	Not reported
Site ID:	26318
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

J33 WSW 1/4-1/2 0.323 mi. 1704 ft. **WHITFIELD PROPERTY (ELVIS)** **IMD** **S105895936**
1010 W. TRINITY AVE **LUST** **N/A**
DURHAM, NC

Site 2 of 4 in cluster J

Relative: Higher

Actual: 357 ft.

IMD:

Region:	RAL
Facility ID:	26318
Date Occurred:	5/21/2003
Submit Date:	7/9/2003
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	One (1) 650-gallon heating oil UST
Operator:	Not reported
Contact Phone:	Not reported
Owner Company:	ELVIS WHITFIELD
Operator Address:	1012 W. TRINITY AVE.
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27701-1718
Ownership:	Private
Operation:	Residential
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Not reported
Risk Site:	Not reported
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	MRP
Wells Affected:	No
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	Dept. of Env. Management
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	36.00583333
Longitude:	-78.90916666
Latitude Number:	360021
Longitude Number:	785433
Latitude Decimal:	36.0058333333333
Longitude Decimal:	78.9091666666667
GPS:	7
Agency:	DWM
Facility ID:	Not reported
Last Modified:	Not reported
Incident Phase:	Not reported
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported

WHITFIELD PROPERTY (ELVIS) (Continued) **S105895936**

RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-4593
Incident Number: 26318
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2003-07-09 00:00:00
Date Occur: 2003-05-21 00:00:00
Cleanup: 2003-05-21 00:00:00
Closure Request: Not reported
Close Out: 2004-01-12 00:00:00
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: Not reported
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in Archives
RBCA GW: Cleanups to 2L.0202 standards
PETOPT: 4
RPL: False
CD Num: 224
Reel Num: 73
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 36 0 20.58 78 54 33
Lat/Long Decimal: 36.005732999999999 78.909182999999999
Testlat: Not reported
Regional Officer Project Mgr: MRP
Region: Raleigh
Company: ELVIS WHITFIELD
Contact Person: Not reported
Telephone: Not reported
RP Address: 1012 W. TRINITY AVE.
RP City,St,Zip: DURHAM, NC 27701-1718

WHITFIELD PROPERTY (ELVIS) (Continued) **S105895936**

RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported

PIRF:
Facility Id: 26318
Date Occurred: 2003-05-21 00:00:00
Date Reported: 2003-07-09 00:00:00
Description Of Incident: One (1) 650-gallon heating oil UST
Owner/Operator: Not reported
Ownership: 4
Operation Type: 3
Type: 4
Location: 7
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: 1
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 2
Cause: Not reported
Source: C
Ust Number: C

Last Modified: Not reported
Incident Phase: Not reported
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

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34 WNW 1/4-1/2 0.329 mi. 1737 ft. **PURDY RESIDENCE (JEDEDIAH)** **LUST** **S109034063**
1012 MARKHAM AVENUE **N/A**
DURHAM, NC 27707

Relative: Higher

Actual: 376 ft.

LUST:
Facility ID: Not reported
UST Number: RA-5950
Incident Number: 33498
Contamination Type: None
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2008-03-28 00:00:00
Date Occur: 2008-03-27 00:00:00
Cleanup: Not reported
Closure Request: Not reported

PURDY RESIDENCE (JEDEDIAH) (Continued) **S109034063**

Close Out: 2008-04-30 00:00:00
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Not reported
PETOPT: 4
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 36 0 38.1 78 54 34.8
Lat/Long Decimal: 36.010593999999998 78.909678
Testlat: Not reported
Regional Officer Project Mgr: RMR
Region: Raleigh
Company: Not reported
Contact Person: JEDEDIAH PURDY
Telephone: 9196137077
RP Address: 1012 MARKHAM AVENUE
RP City,St,Zip: DURHAM, NC 27705
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported

PIRF:
Facility Id: 33498
Date Occurred: 2008-03-27 00:00:00
Date Reported: 2008-03-28 00:00:00
Description Of Incident: ONE 270 GAL HEATING OIL UST REMOVED 3/27/08. SAMPLE COLLECTED BELOW THE UST WAS >10 PPM TPH DRO.
Owner/Operator: Not reported
Ownership: 4
Operation Type: 3
Type: 4
Location: 7
Site Priority: Not reported
Priority Update: Not reported

PURDY RESIDENCE (JEDEDIAH) (Continued) **S109034063**

Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
Ust Number:	P
Last Modified:	2008-04-30 00:00:00
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

J35 **ROGERS PROPERTY** **LUST** **S110303234**
WSW **1022 W. TRINITY** **LUST TRUST** **N/A**
1/4-1/2 **DURHAM, NC 27701**
0.339 mi.
1791 ft. **Site 3 of 4 in cluster J**

Relative:
Higher

Actual:
362 ft.

LUST:

Facility ID:	Not reported
UST Number:	RA-6672
Incident Number:	33831
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	2010-04-07 00:00:00
Date Occur:	2010-04-07 00:00:00
Cleanup:	2010-04-07 00:00:00
Closure Request:	Not reported
Close Out:	2010-12-09 00:00:00
Level Of Soil Cleanup Achieved:	Residential
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	Not reported
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	No

ROGERS PROPERTY (Continued) **S110303234**

Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Cleanups to alternate standards
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 21.06 78 54 36.54
Lat/Long Decimal:	36.005859999999998 78.910160000000005
Testlat:	Not reported
Regional Officer Project Mgr:	WER
Region:	Raleigh
Company:	Not reported
Contact Person:	Hannelore Rogers
Telephone:	9196884733
RP Address:	1022 West Trinity Ave
RP City,St,Zip:	Durham, NC 27701
RP County:	Not reported
Comments:	Not reported
5 Min Quad:	Not reported

PIRF:

Facility Id:	33831
Date Occurred:	2010-04-07 00:00:00
Date Reported:	2010-04-07 00:00:00
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported

ROGERS PROPERTY (Continued) **S110303234**

Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	33831
Site Note:	RIF on file Noncommercial; 100% eligible; $0 deductible.[CGS 11/29/10] RIF on file
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

K36 **SLOME PROPERTY** **LUST TRUST** **S108437635**
ESE **230 WEST TRINITY AVENUE** **N/A**
1/4-1/2 **DURHAM, NC**
0.340 mi.
1796 ft. **Site 1 of 2 in cluster K**

Relative:
Higher

Actual:
387 ft.

LUST TRUST:

Facility ID:	Not reported
Site ID:	33114
Site Note:	Noncommercial; 100% eligible; $0 deductible.[CGS 03/20/07]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

K37 **SLOME, SHAWN PROPERTY** **LUST** **S108074359**
ESE **230 WEST TRINITY AVENUE** **N/A**
1/4-1/2 **DURHAM, NC 27701**
0.340 mi.
1796 ft. **Site 2 of 2 in cluster K**

Relative:
Higher

Actual:
387 ft.

LUST:

Facility ID:	Not reported
UST Number:	RA-5579
Incident Number:	33114
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM

SLOME, SHAWN PROPERTY (Continued) **S108074359**

Date Reported:	2006-07-18 00:00:00
Date Occur:	2006-07-18 00:00:00
Cleanup:	2006-07-18 00:00:00
Closure Request:	Not reported
Close Out:	2006-08-28 00:00:00
Level Of Soil Cleanup Achieved:	Residential
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	No
Flag:	No
Flag1:	No
LUR Filed:	2006-08-24 00:00:00
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	343
Reel Num:	300
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 21.6 78 53 55.14
Lat/Long Decimal:	36.006 78.898667000000003
Testlat:	Not reported
Regional Officer Project Mgr:	MRP
Region:	Raleigh
Company:	Mr. Shawn Slome
Contact Person:	Not reported
Telephone:	9194890418
RP Address:	418 Dragonfly Trail
RP City,St,Zip:	Chapel Hill, NC 27517
RP County:	Not reported
Comments:	//One 550-gallon heating oil UST removed w/ 27.1 tons of soil. Contaminated soil w/ C9-C22 aromatics above residential MSCCs remains at depths greater than 10.5-11.5 feet BGS and under house. -MRP// 08/23/06 - LSA submitted: No WSW, Ellerbe Creek located ~1300' NW, no WHP. MW installed to 24' bls. GW flow to SW. DTW=22.65'bls. No soils collected for LSA as bedrock ~15' bls. GW BDL. Recommend NFA with NRP for soil only.- CED //// Not reported 08/23/06 - NRP for soil only received. - CED //// 08/28/06 - NFA issued with PN. - CED ////

SLOME, SHAWN PROPERTY (Continued) **S108074359**

NRP recorded by Durham County Reg of Deeds 8/24/06, Book 5334, Page 286-291, RKD.

5 Min Quad: Not reported

PIRF:

Facility Id:	33114
Date Occurred:	2006-07-18 00:00:00
Date Reported:	2006-07-18 00:00:00
Description Of Incident:	550-gal heating oil UST removed w/ 27.1 tons of soil. Contaminated soil w/ C9-C22 aromatics > residential MSCC remains in place.
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	Not reported
Samples Include:	Not reported
7#5 Minute Quad:	7
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	Not reported
Ust Number:	P
Last Modified:	2006-08-28 00:00:00
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

L38 **DURHAM MAINTENANCE FACILITY** **IMD S103717513**
South **501 WASHINGTON STREET** **LUST N/A**
1/4-1/2 **DURHAM, NC**
0.342 mi.
1805 ft. **Site 1 of 2 in cluster L**

Relative:
Higher

Actual:
348 ft.

IMD:

Region:	RAL
Facility ID:	19322
Date Occurred:	7/2/1998
Submit Date:	1/12/1999
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Incident Desc:	ENVIR. ASSESSMENT FOUND GW CONTAMINATION.
Operator:	JOHN BLANTON
Contact Phone:	919-560-4195

DURHAM MAINTENANCE FACILITY (Continued) **S103717513**

Owner Company: CITY OF DURHAM
Operator Address:101 CITY HALL PLAZA
Operator City: DURHAM
Oper City,St,Zip: DURHAM, NC 27701-
Ownership: Municipal
Operation: Public Service
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Residential
Risk Site: I
Site Priority: Not reported
Priority Code: Not reported
Priority Update: 1/12/1999
Dem Contact: MRP
Wells Affected: Yes
Num Affected: 1
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Groundwater Samples
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.00222222
Longitude: -78.90361111
Latitude Number: 360008
Longitude Number: 785413
Latitude Decimal: 36.0022222222222
Longitude Decimal: 78.9036111111111
GPS: 7
Agency: DWM
Facility ID: 19322
Last Modified: Not reported
Incident Phase: RE
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: 0-016238
UST Number: RA-2914
Incident Number: 19322
Contamination Type: Groundwater/Both
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 1998-08-12 00:00:00
Date Occur: 1998-07-02 00:00:00

DURHAM MAINTENANCE FACILITY (Continued) **S103717513**

Cleanup: Not reported
Closure Request: 2002-02-15 00:00:00
Close Out: Not reported
Level Of Soil Cleanup Achieved: Residential
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: I
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: 2002-02-21 00:00:00
Site Priority: E
Phase Of LSA Req: Not reported
Site Risk Reason: Gross contaminant levels
Land Use: Not reported
MTBE: No
MTBE1: Yes
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Not reported
PETOPT: 3
RPL: False
CD Num: Not reported
Reel Num: Not reported
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 360008 785413
Lat/Long Decimal: 36.002222000000003 78.903610999999998
Testlat: Not reported
Regional Officer Project Mgr: MRP
Region: Raleigh
Company: CITY OF DURHAM
Contact Person: JOHN BLANTON
Telephone: 919-560-4195
RP Address: 101 CITY HALL PLAZA
RP City,St,Zip: DURHAM, NC 27701-
RP County: Not reported
Comments: Will monitor quarterly.
Not reported
2/21/02: GW contamination below GCLs - Low Risk.
THIS IS THE SAME SITE AS #17939. Groundwater LUR//2/15/2010 - Spoke with Sabrina Jones - 956-2722 x5 (realtor) may proceed with sampling the mw to avoid NRP. WER
5 Min Quad: Not reported

PIRF:
Facility Id: 19322
Date Occurred: 1998-07-02 00:00:00
Date Reported: 1999-01-12 00:00:00
Description Of Incident: ENVIR. ASSESSMENT FOUND GW CONTAMINATION.
Owner/Operator: JOHN BLANTON

DURHAM MAINTENANCE FACILITY (Continued) **S103717513**

Ownership:	1
Operation Type:	1
Type:	3
Location:	1
Site Priority:	Not reported
Priority Update:	1999-01-12 00:00:00
Wells Affected Y/N:	Y
Samples Include:	1
7#5 Minute Quad:	3
5 Minute Quad:	1
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Pirf
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	Not reported
Incident Phase:	**Response**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

L39
South
1/4-1/2
0.342 mi.
1805 ft.

PARKS AND RECREATION-DURHAM
501 WASHINGTON STREET
DURHAM, NC

IMD S102869108
LUST N/A

Site 2 of 2 in cluster L

Relative:
Higher

Actual:
348 ft.

IMD:

Region:	RAL
Facility ID:	17939
Date Occurred:	9/4/1997
Submit Date:	9/4/1997
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	550 GAL HEATING OIL UST REMOVED ALONG WITH 64 TONS OF CONTAMINATED SOIL
Operator:	CITY OF DURHAM
Contact Phone:	919-773-1217
Owner Company:	CITY OF DURHAM
Operator Address:	101 CITY HALL
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27705-
Ownership:	County
Operation:	Public Service
Material:	HEATING OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground

PARKS AND RECREATION-DURHAM (Continued) **S102869108**

Type:	Gasoline/diesel
Location:	Facility
Setting:	Urban
Risk Site:	L
Site Priority:	20E
Priority Code:	L
Priority Update:	10/9/1998
Dem Contact:	MRP
Wells Affected:	Not reported
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	36.00222222
Longitude:	-78.90361111
Latitude Number:	360008
Longitude Number:	785413
Latitude Decimal:	36.0022222222222
Longitude Decimal:	78.9036111111111
GPS:	7
Agency:	DWM
Facility ID:	17939
Last Modified:	1/25/1999
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	9/16/1998
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	4/11/1998

LUST:

Facility ID:	Not reported
UST Number:	RA-2778
Incident Number:	17939
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	1997-06-21 00:00:00
Date Occur:	1997-09-04 00:00:00
Cleanup:	Not reported
Closure Request:	Not reported
Close Out:	1997-12-05 00:00:00
Level Of Soil Cleanup Achieved:	Not reported
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported

PARKS AND RECREATION-DURHAM (Continued) **S102869108**

NOV Issue Date:	Not reported
NORR Issue Date:	2002-02-21 00:00:00
Site Priority:	20E
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	44
Reel Num:	103
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	360008 785413
Lat/Long Decimal:	0 0
Testlat:	Not reported
Regional Officer Project Mgr:	MRP
Region:	Raleigh
Company:	CITY OF DURHAM
Contact Person:	CITY OF DURHAM
Telephone:	919-773-1217
RP Address:	101 CITY HALL
RP City,St,Zip:	DURHAM, NC 27705-
RP County:	Not reported
Comments:	CLOSED OUT 12/05/97 Not reported 02/21/02: SAME SITE AS INCIDENT #19322. GW contamination historically above GCLs. #19322 downgraded to Low Risk.
5 Min Quad:	Not reported

PIRF:

Facility Id:	17939
Date Occurred:	1997-05-08 00:00:00
Date Reported:	1997-09-04 00:00:00
Description Of Incident:	550 GAL HEATING OIL UST REMOVED ALONG WITH 64 TONS OF CONTAMINATED SOIL
Owner/Operator:	CITY OF DURHAM
Ownership:	6
Operation Type:	1
Type:	4
Location:	1
Site Priority:	20E
Priority Update:	1998-10-09 00:00:00
Wells Affected Y/N:	Not reported
Samples Include:	0
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported

PARKS AND RECREATION-DURHAM (Continued) **S102869108**

Release Code:	Not reported
Source Code:	Min_Soil
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	1999-01-25 00:00:00
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	1998-09-16 00:00:00
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	1998-04-11 00:00:00

J40 **HANNELORE ROGERS PROPERTY B** **LUST** **S110629992**
WSW **1024 W. TRINITY AVE.** **LUST TRUST** **N/A**
1/4-1/2 **DURHAM, NC 27701**
0.342 mi.
1808 ft. **Site 4 of 4 in cluster J**

Relative:
Higher

Actual:
363 ft.

LUST:

Facility ID:	Not reported
UST Number:	RA-6740
Incident Number:	33894
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	2010-08-04 00:00:00
Date Occur:	2010-08-04 00:00:00
Cleanup:	2010-08-04 00:00:00
Closure Request:	Not reported
Close Out:	2010-09-02 00:00:00
Level Of Soil Cleanup Achieved:	Soil to Groundwater
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	Not reported
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	No
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in House

HANNELORE ROGERS PROPERTY B (Continued) **S110629992**

RBCA GW:	Cleanups to 2L.0202 standards
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 21.12 78 54 37.08
Lat/Long Decimal:	36.005879999999998 78.910300000000007
Testlat:	Not reported
Regional Officer Project Mgr:	WER
Region:	Raleigh
Company:	Not reported
Contact Person:	Hannelore Rogers
Telephone:	9196884733
RP Address:	1022 W. Trinity Ave.
RP City,St,Zip:	Durham, NC 27701
RP County:	Not reported
Comments:	Not reported
5 Min Quad:	Not reported

PIRF:

Facility Id:	33894
Date Occurred:	2010-08-04 00:00:00
Date Reported:	2010-08-04 00:00:00
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported

HANNELORE ROGERS PROPERTY B (Continued) **S110629992**

Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:
Facility ID: Not reported
Site ID: 33894
Site Note: RIF on file. Noncommercial; 100% eligible; $0 deductible. Track this as a site that would have been 5K + 10% as this is receiving 100% because of Session Law 2010-154. [CGS 1/14/11]
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

M41 **PRESTON, SUE RESIDENCE** **IMD** **S106406503**
NW **1105 N. GREGSON STREET** **LUST** **N/A**
1/4-1/2 **DURHAM, NC** **LUST TRUST**
0.357 mi.
1884 ft. **Site 1 of 2 in cluster M**

Relative:
Higher

Actual:
376 ft.

IMD:
Region: Not reported
Facility ID: 26578
Date Occurred: 2/5/2004
Submit Date: 4/19/2004
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: Hand auger sample had 9400 ppm DRO TPH. UST has not been removed yet, but contents have.
Operator: Not reported
Contact Phone: Not reported
Owner Company: Not reported
Operator Address: Not reported
Operator City: Not reported
Oper City,St,Zip: NC
Ownership: Private
Operation: Residential
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Residence
Setting: Not reported
Risk Site: L
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: MRP
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported

PRESTON, SUE RESIDENCE (Continued) **S106406503**

Sampled By: Dept. of Env. Management
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.01138888
Longitude: -78.90833333
Latitude Number: 360041
Longitude Number: 785430
Latitude Decimal: 36.0113888888889
Longitude Decimal: 78.9083333333333
GPS: 7
Agency: DWM
Facility ID: 26578
Last Modified: 2/10/2005
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-5026
Incident Number: 26578
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2004-03-17 00:00:00
Date Occur: 2004-02-05 00:00:00
Cleanup: Not reported
Closure Request: Not reported
Close Out: 2005-02-10 00:00:00
Level Of Soil Cleanup Achieved: Residential
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: 1
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: Not reported

PRESTON, SUE RESIDENCE (Continued) **S106406503**

Release Detection: 0
Current Status: File Located in Archives
RBCA GW: Cleanups to 2L.0202 standards
PETOPT: 4
RPL: False
CD Num: 306
Reel Num: 201
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 36 0 41.94 78 54 30.96
Lat/Long Decimal: 36.011665999999998 78.908610999999993
Testlat: Not reported
Regional Officer Project Mgr: MRP
Region: Raleigh
Company: Not reported
Contact Person: Not reported
Telephone: Not reported
RP Address: Not reported
RP City,St,Zip: NC
RP County: Not reported
Comments: 560 g heating oil UST; UST has not been removed; Original soil sample results - 9400 ppm; Receptors- no receptors; Municipal water avail to area; 2 soil samples collected 5/24/2004 at 5' bls (analysis- 8260, 8270, vph, eph); Soil results - > Soil to GW
5 Min Quad: Not reported

PIRF:
Facility Id: 26578
Date Occurred: 2004-02-05 00:00:00
Date Reported: 2004-04-19 00:00:00
Description Of Incident: Hand auger sample had 9400 ppm DRO TPH. UST has not been removed yet, but contents have.
Owner/Operator: Not reported
Ownership: 4
Operation Type: 3
Type: 4
Location: 7
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: 1
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 3
Cause: Not reported
Source: C
Ust Number: C

Last Modified: 2005-02-10 00:00:00
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported

PRESTON, SUE RESIDENCE (Continued) **S106406503**

45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	26578
Site Note:	Noncommercial. 90% eligible. 5K deductible.
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	5000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

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42
SE
1/4-1/2
0.358 mi.
1890 ft.

PASCHALL PROPERTY (JOHN)
326 WEST GEER STREET
DURHAM, NC

IMD **S105958836**
LUST **N/A**

Relative:
Higher

Actual:
374 ft.

IMD:

Region:	RAL
Facility ID:	26331
Date Occurred:	6/10/2003
Submit Date:	7/18/2003
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	One (1) 3,000-gallon Gasoline Ust and One (1) 1,500-gallon Gasoline UST
Operator:	Not reported
Contact Phone:	9196880546
Owner Company:	JOHN PASCHALL
Operator Address:	1721 NORTH ROXBORO ROAD
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27701-1340
Ownership:	Private
Operation:	Commercial
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Not reported
Risk Site:	L
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported

PASCHALL PROPERTY (JOHN) (Continued) **S105958836**

Dem Contact: JFM
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: 9
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: 7
Agency: DWM
Facility ID: 26331
Last Modified: 8/11/2004
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-4626
Incident Number: 26331
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2003-07-18 00:00:00
Date Occur: 2003-06-10 00:00:00
Cleanup: 2003-06-10 00:00:00
Closure Request: Not reported
Close Out: 2004-08-11 00:00:00
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: 1
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No

PASCHALL PROPERTY (JOHN) (Continued) **S105958836**

MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Not reported
PETOPT:	3
RPL:	False
CD Num:	307
Reel Num:	204
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 12.96 78 54 .96
Lat/Long Decimal:	36.003611100000001 78.900277700000004
Testlat:	Not reported
Regional Officer Project Mgr:	JFM
Region:	Raleigh
Company:	JOHN PASCHALL
Contact Person:	Not reported
Telephone:	9196880546
RP Address:	1721 NORTH ROXBORO ROAD
RP City,St,Zip:	DURHAM, NC 27701-1340
RP County:	Not reported
Comments:	M.M. Fowler, Inc.; 4220 Neal Road; Durham, NC 27705. 09/22/82003, JFM.// Affidavit from M.L. Barnes stated that he was unaware if he had installed the USTs. 10/16/2003, JFM ///
5 Min Quad:	Not reported

PIRF:

Facility Id:	26331
Date Occurred:	2003-06-10 00:00:00
Date Reported:	2003-07-18 00:00:00
Description Of Incident:	One (1) 3,000-gallon Gasoline Ust and One (1) 1,500-gallon Gasoline UST
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	9
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
Ust Number:	C
Last Modified:	2004-08-11 00:00:00

PASCHALL PROPERTY (JOHN) (Continued) **S105958836**

Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

M43 **ABRAMSON PROPERTY** **LUST** **S109836974**
NW **1003 GREEN STREET** **LUST TRUST** **N/A**
1/4-1/2 **DURHAM, NC**
0.358 mi.
1890 ft. **Site 2 of 2 in cluster M**

Relative:
Higher

Actual:
377 ft.

LUST:

Facility ID:	Not reported	
UST Number:	RA-6133	
Incident Number:	33673	
Contamination Type:		Soil
Source Type:	Leak-underground	
Product Type:	PETROLEUM	
Date Reported:	2009-06-03 00:00:00	
Date Occur:	2009-06-01 00:00:00	
Cleanup:	2009-06-03 00:00:00	
Closure Request:	Not reported	
Close Out:	2009-07-08 00:00:00	
Level Of Soil Cleanup Achieved:		Soil to Groundwater
Tank Regulated Status:		Non Regulated
# Of Supply Wells:	0	
Commercial/NonCommercial UST Site:		NON COMMERCIAL
Risk Classification:		Not reported
Risk Class Based On Review:		L
Corrective Action Plan Type:		Not reported
NOV Issue Date:	Not reported	
NORR Issue Date:	Not reported	
Site Priority:	Not reported	
Phase Of LSA Req:	Not reported	
Site Risk Reason:	Not reported	
Land Use:	Residential	
MTBE:	No	
MTBE1:	No	
Flag:	No	
Flag1:	No	
LUR Filed:	Not reported	
Release Detection:	0	
Current Status:	File Located in House	
RBCA GW:	Not reported	
PETOPT:	4	
RPL:	False	
CD Num:	0	
Reel Num:	0	
RPOW:	False	
RPOP:	False	
Error Flag:	0	

ABRAMSON PROPERTY (Continued) **S109836974**

Error Code:	N
Valid:	False
Lat/Long:	36 0 38.94 78 54 31.38
Lat/Long Decimal:	36.010829999999999 78.908730000000006
Testlat:	Not reported
Regional Officer Project Mgr:	WER
Region:	Raleigh
Company:	Not reported
Contact Person:	Lloyd Abramson
Telephone:	Not reported
RP Address:	1003 Green Street
RP City,St,Zip:	Durham, NC 27701
RP County:	Not reported
Comments:	Not reported
5 Min Quad:	Not reported

PIRF:

Facility Id:	33673
Date Occurred:	2009-06-01 00:00:00
Date Reported:	2009-06-03 00:00:00
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	33673
Site Note:	Noncommercial; 100% eligible; $0 deductible.[CGS 1/20/10]

ABRAMSON PROPERTY (Continued) **S109836974**

Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

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N44 SW 1/4-1/2 0.368 mi. 1943 ft. **PATRICIA SILVER ESTATE** **LUST S110303251**
1014 MINERVA AVENUE **LUST TRUST N/A**
DURHAM, NC 27701

Site 1 of 2 in cluster N

Relative: Higher

Actual: 362 ft.

LUST:
Facility ID: Not reported
UST Number: RA-6637
Incident Number: 33798
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2010-02-17 00:00:00
Date Occur: 2010-02-17 00:00:00
Cleanup: 2010-02-17 00:00:00
Closure Request: Not reported
Close Out: 2010-03-03 00:00:00
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: Not reported
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Cleanups to 2L.0202 standards
PETOPT: 4
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: True

PATRICIA SILVER ESTATE (Continued) **S110303251**

Lat/Long: 36 0 18 78 54 32.94
Lat/Long Decimal: 36.005000000000003 78.909166999999997
Testlat: Not reported
Regional Officer Project Mgr: WER
Region: Raleigh
Company: Patricia Silver Estate
Contact Person: c/o Marvin Greene
Telephone: 9413600595
RP Address: 7672 Heathfield Ct.
RP City,St,Zip: University Park, FL 34201
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported

PIRF:
Facility Id: 33798
Date Occurred: 2010-02-17 00:00:00
Date Reported: 2010-02-17 00:00:00
Description Of Incident: Not reported
Owner/Operator: Not reported
Ownership: 4
Operation Type: 3
Type: 4
Location: 7
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: Y
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 2
Cause: 3
Source: A
Ust Number: P

Last Modified: Not reported
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:
Facility ID: Not reported
Site ID: 33798
Site Note: Noncommercial; 100% eligible; $0 deductible.[CGS 8/5/10]
Site Eligible?: True
Commercial Find: 100% Non-Commercial

PATRICIA SILVER ESTATE (Continued) **S110303251**

Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

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N45 SW 1/4-1/2 0.376 mi. 1988 ft. **1021 MINERVA CONDOMINIUMS**
1021 MINERVA AVENUE
DURHAM, NC

IMD S107780885
LUST N/A
LUST TRUST

Site 2 of 2 in cluster N

Relative: Higher

Actual: 364 ft.

IMD:
Region: Not reported
Facility ID: 33046
Date Occurred: 12/27/2005
Submit Date: 5/4/2006
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: One 2K-gal & one 1K-gal heating oil USTs removed w/ 78.86 tons of soil. Soil contamination above s-t-gw MSCCs remains.
Operator: ELAINE ROMAGNOLI
Contact Phone: 9176475241
Owner Company: 1021 MINERVA HOMEOWNERS ASSOC.
Operator Address: P. O. BOX 116
Operator City: NEW SUFFOLK
Oper City,St,Zip: NEW SUFFOLK, NY 11956-
Ownership: Private
Operation: Residential
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Residence
Setting: Not reported
Risk Site: Not reported
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: MRP
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: 9
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: Not reported
Longitude: Not reported
Latitude Number: 0
Longitude Number: 0
Latitude Decimal: 0
Longitude Decimal: 0
GPS: 6
Agency: DWM

1021 MINERVA CONDOMINIUMS (Continued) **S107780885**

Facility ID:	Not reported
Last Modified:	Not reported
Incident Phase:	Not reported
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST:

Facility ID:	Not reported
UST Number:	RA-5506
Incident Number:	33046
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	2006-05-04 00:00:00
Date Occur:	2005-12-27 00:00:00
Cleanup:	2006-05-03 00:00:00
Closure Request:	Not reported
Close Out:	2006-08-11 00:00:00
Level Of Soil Cleanup Achieved:	Residential
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	No
Flag:	No
Flag1:	No
LUR Filed:	2006-08-21 00:00:00
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Cleanups to alternate standards
PETOPT:	4
RPL:	False
CD Num:	343
Reel Num:	301
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False

1021 MINERVA CONDOMINIUMS (Continued) **S107780885**

Lat/Long: 36 0 14.94 78 54 39.18
Lat/Long Decimal: 36.004167000000002 78.910897000000006
Testlat: Not reported
Regional Officer Project Mgr: MRP
Region: Raleigh
Company: 1021 MINERVA HOMEOWNERS ASSOC.
Contact Person: ELAINE ROMAGNOLI
Telephone: 9176475241
RP Address: P. O. BOX 116
RP City,St,Zip: NEW SUFFOLK, NY 11956-
RP County: Not reported
Comments: //One 2K-gallon heating oil UST removed along w/ a 1K-gallon heating oil UST discovered during removal of the 1st tank. Naphthalene and aliphatic/aromatic carbon fractions remain above soil-to-groundwater MSCCs after 78.86 tons of soil was removed. (Groundwater encountered.) The 2000-gallon UST was noncommercial because it served four or fewer households. -MRP//
Not reported
//LSA Review: Low risk. Soil contamination < residential MSCCs but GW contamination > 2L std for C9-C22 aromatics. Issuing NRP NORR for GW. -MRP// NRP recorded by Durham County Reg of Deeds 8/21/06, Book RE 5328, Page 657-660, RKD.
Not reported
2/6/07 - Current property owner (Rah Bickley) requested copy of NFA since she's selling property. CED sent copy to 12 Streamview Ct, Durham, NC 27713 - CED ////
5 Min Quad: Not reported

PIRF:
Facility Id: 33046
Date Occurred: 2005-12-27 00:00:00
Date Reported: 2006-05-04 00:00:00
Description Of Incident: One 2K-gal & one 1K-gal heating oil USTs removed w/ 78.86 tons of soil. Soil contamination above s-t-gw MSCCs remains.
Owner/Operator: Not reported
Ownership: 4
Operation Type: 3
Type: 4
Location: 7
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: 9
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 3
Cause: Not reported
Source: Not reported
Ust Number: P

Last Modified: Not reported
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported

1021 MINERVA CONDOMINIUMS (Continued) **S107780885**

Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	33046
Site Note:	Noncommercial; 100% eligible; $0 deductible.[CGS 04/23/07]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

O46 **FLETCHERS GULF** **LUST** **S110303254**
SSE **624 FOSTER STREET** **N/A**
1/4-1/2 **DURHAM, NC 27705**
0.379 mi.
2001 ft. **Site 1 of 2 in cluster O**

Relative:
Higher

Actual:
358 ft.

LUST:

Facility ID:	0-016396
UST Number:	RA-6634
Incident Number:	33795
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	2010-02-25 00:00:00
Date Occur:	2009-11-18 00:00:00
Cleanup:	2010-11-18 00:00:00
Closure Request:	Not reported
Close Out:	2010-03-19 00:00:00
Level Of Soil Cleanup Achieved:	Residential
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No

FLETCHERS GULF (Continued) **S110303254**

LUR Filed:	2010-03-23 00:00:00
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Cleanups to alternate standards
PETOPT:	3
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 12 59.94 78 54 3.96
Lat/Long Decimal:	36.216665999999996 78.901111
Testlat:	Not reported
Regional Officer Project Mgr:	JFM
Region:	Raleigh
Company:	M. M. Fowler, Inc.
Contact Person:	Marvin L Barnes
Telephone:	9193092995
RP Address:	4220 Neal Road
RP City,St,Zip:	Durham, NC 27705
RP County:	Not reported
Comments:	Not reported
5 Min Quad:	Not reported

PIRF:

Facility Id:	33795
Date Occurred:	2009-11-18 00:00:00
Date Reported:	2010-02-25 00:00:00
Description Of Incident:	(USTs pulled ~ 02/1988)
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	3
Source:	A
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported

FLETCHERS GULF (Continued) **S110303254**

SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

O47 SSE 1/4-1/2 0.385 mi. 2034 ft. **BRAME OFFICE PRODUCTS**
619 FOSTER STREET
DURHAM, NC 27702

IMD U003144851
LUST N/A
UST

Site 2 of 2 in cluster O

Relative: Higher

Actual: 359 ft.

IMD:
Region: RAL
Facility ID: 3851
Date Occurred: 3/18/1992
Submit Date: 12/28/1988
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: No
Incident Desc: 3 TANKS WERE REMOVED FROM SITE; ONE TANK HAD SMALL HOLES.
Operator: ROBERT BRAME
Contact Phone: 919-683-5530
Owner Company: BRAME LEASING CO.
Operator Address: BOX 271
Operator City: DURHAM
Oper City,St,Zip: DURHAM, NC 27702-
Ownership: Private
Operation: Commercial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: NONE
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: L
Site Priority: 80E
Priority Code: L
Priority Update: 4/16/1998
Dem Contact: MRP
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: None
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.00333333
Longitude: -78.90166666
Latitude Number: 360012
Longitude Number: 785406
Latitude Decimal: 36.0033333333333
Longitude Decimal: 78.9016666666667
GPS: 6
Agency: DWM
Facility ID: 3851
Last Modified: Not reported
Incident Phase: Closed Out

BRAME OFFICE PRODUCTS (Continued) **U003144851**

NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST:

Facility ID:	0-015330
UST Number:	RA-621
Incident Number:	3851
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	1992-03-18 00:00:00
Date Occur:	1992-03-18 00:00:00
Cleanup:	Not reported
Closure Request:	Not reported
Close Out:	2003-04-10 00:00:00
Level Of Soil Cleanup Achieved:	Residential
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	80E
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	No
MTBE1:	Yes
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Cleanups to 2L.0202 standards
PETOPT:	3
RPL:	False
CD Num:	224
Reel Num:	74
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 12.96 78 54 6.96
Lat/Long Decimal:	36.003610999999999 78.901944
Testlat:	Not reported

BRAME OFFICE PRODUCTS (Continued) **U003144851**

Regional Officer Project Mgr: MRP
Region: Raleigh
Company: BRAME LEASING CO.
Contact Person: ROBERT BRAME
Telephone: 919-683-5530
RP Address: BOX 271
RP City,St,Zip: DURHAM, NC 27702-
RP County: Not reported
Comments: Incident number is 3851 not 8670, RKD///
Not reported
//Informed Mr Brame via telephone conversation that an LSA
is needed along with some soil samples to ensu
5 Min Quad: H42y

PIRF:
Facility Id: 3851
Date Occurred: 1988-12-20 00:00:00
Date Reported: 1988-12-28 00:00:00
Description Of Incident: 3 TANKS WERE REMOVED FROM SITE; ONE TANK HAD SMALL HOLES.
Owner/Operator: ROBERT BRAME
Ownership: 4
Operation Type: 6
Type: 3
Location: 1
Site Priority: 80E
Priority Update: 1998-04-16 00:00:00
Wells Affected Y/N: N
Samples Include: 0
7#5 Minute Quad: 5
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Pirf
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: Not reported

Last Modified: Not reported
Incident Phase: **Closed Out**
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

UST:
Facility ID: 0-016247
Region: 5
Facility Telephone: (919) 683-1331
Last Update: 1990-06-19 00:00:00
Owner Name: BRAME LEASING CO INC

BRAME OFFICE PRODUCTS (Continued) **U003144851**

Owner Address: 949 WASHINGTON STREET
Owner City,St,Zip: DURHAM, NC 27302
Owner Phone: (919) 683-1331
Latitude: 0
Latitude 1: Not reported
Longitude: 0
Longitude 1: Not reported
GPS String Confirmed: No
Initials of Individual Confirming GPS: Not reported

Tank ID: 1
Tank ID Number: Not reported
Tank Capacity: 4000
Status: **Permanent Closed**
Date installed: 1961-08-05 00:00:00
Date removed: 1987-01-12 00:00:00
Tank Product: Gasoline, Gasoline Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: Unknown
Exterior Protection: Unknown
Piping material: Unknown
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 2
Tank ID Number: Not reported
Tank Capacity: 3000
Status: **Permanent Closed**
Date installed: Not reported
Date removed: 1988-01-02 00:00:00
Tank Product: Gasoline, Gasoline Mixture

BRAME OFFICE PRODUCTS (Continued) **U003144851**

Product Type:	NON
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	Unknown
Exterior Protection:	Unknown
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Protection Piping Date:	Not reported
Spill Overfill Date:	Not reported
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Comment:	Not reported

Tank ID:	3
Tank ID Number:	Not reported
Tank Capacity:	3000
Status:	**Permanent Closed**
Date installed:	Not reported
Date removed:	1988-01-02 00:00:00
Tank Product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	Unknown
Exterior Protection:	Unknown
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported

BRAME OFFICE PRODUCTS (Continued) **U003144851**

Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

P48 **FORMER DEASON PROPERTY** **LUST TRUST** **S105219886**
NNW **908 W. KNOX STREET** **N/A**
1/4-1/2 **DURHAM, NC**
0.402 mi.
2121 ft. **Site 1 of 2 in cluster P**

Relative:
Higher

Actual:
352 ft.

LUST TRUST:
Facility ID: Not reported
Site ID: 99976
Site Note: Not reported
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 100000
Sum 3rd Party Amt Applied: 0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

P49 **DEASON PROPERTY (FORMER)** **IMD** **S103717588**
NNW **908 WEST KNOX STREET** **LUST** **N/A**
1/4-1/2 **DURHAM, NC**
0.402 mi.
2121 ft. **Site 2 of 2 in cluster P**

Relative:
Higher

Actual:
352 ft.

IMD:
Region: RAL
Facility ID: 19424
Date Occurred: 3/3/1998
Submit Date: 1/13/1999
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: 575 GAL #2 FUEL OIL TANK REMOVED; MINOR SOIL CONTAM.-35 PPM; SITE CLOSED
Operator: CHARLES DEASON
Contact Phone: 205-881-2476
Owner Company: Not reported
Operator Address: 15018 DEATON DRIVE
Operator City: HUNTSVILLE
Oper City,St,Zip: HUNTSVILLE, AL 83712-

DEASON PROPERTY (FORMER) (Continued) **S103717588**

Ownership: Private
Operation: Residential
Material: #2 FUEL OIL
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Residence
Setting: Residential
Risk Site: L
Site Priority: E
Priority Code: L
Priority Update: 3/8/1999
Dem Contact: ESR
Wells Affected: Not reported
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.01305555
Longitude: -78.90611111
Latitude Number: 360047
Longitude Number: 785422
Latitude Decimal: 36.0130555555556
Longitude Decimal: 78.9061111111111
GPS: 7
Agency: DWM
Facility ID: 19424
Last Modified: 1/26/1999
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 10/1/1998

LUST:
Facility ID: Not reported
UST Number: RA-2917
Incident Number: 19424
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 1998-05-21 00:00:00
Date Occur: 1998-03-03 00:00:00
Cleanup: 1998-03-03 00:00:00
Closure Request: Not reported
Close Out: 1998-09-30 00:00:00
Level Of Soil Cleanup Achieved: Not reported

DEASON PROPERTY (FORMER) (Continued) **S103717588**

Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: E
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in Archives
RBCA GW: Not reported
PETOPT: 4
RPL: False
CD Num: 166
Reel Num: 166
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 36 0 47.52 78 54 22.68
Lat/Long Decimal: 36.013199999999998 78.906300000000002
Testlat: Not reported
Regional Officer Project Mgr: ESR
Region: Raleigh
Company: Not reported
Contact Person: CHARLES DEASON
Telephone: 205-881-2476
RP Address: 15018 DEATON DRIVE
RP City,St,Zip: HUNTSVILLE, AL 83712-
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported

PIRF:
Facility Id: 19424
Date Occurred: 1998-03-03 00:00:00
Date Reported: 1999-01-13 00:00:00
Description Of Incident: 575 GAL #2 FUEL OIL TANK REMOVED; MINOR SOIL CONTAM.-35 PPM; SITE CLOSED
Owner/Operator: CHARLES DEASON
Ownership: 4
Operation Type: 3
Type: 4
Location: 7
Site Priority: E
Priority Update: 1999-03-08 00:00:00
Wells Affected Y/N: Not reported
Samples Include: Not reported

DEASON PROPERTY (FORMER) (Continued) **S103717588**

7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Min_Soil
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	1999-01-26 00:00:00
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	1998-10-01 00:00:00

Q50 **PRINCIPE, PETER RESIDENCE** **IMD** **S106896219**
SW **1001 GLORIA AVENUE** **LUST** **N/A**
1/4-1/2 **DURHAM, NC** **LUST TRUST**
0.403 mi.
2127 ft. **Site 1 of 2 in cluster Q**

Relative:
Higher

Actual:
369 ft.

IMD:

Region:	Not reported
Facility ID:	26825
Date Occurred:	2/22/2005
Submit Date:	3/9/2005
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	880 gallon heating oil UST removed along w/ 55.73 tons of soil. Initial sample had 4646 ppm DRO TPH. Post-excavation samples above residential MSCCs.
Operator:	Not reported
Contact Phone:	9193081492
Owner Company:	PETER PRINCIPE
Operator Address:	1001 GLORIA AVENUE
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27701-
Ownership:	Private
Operation:	Residential
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Not reported
Risk Site:	L
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported

PRINCIPE, PETER RESIDENCE (Continued) **S106896219**

Dem Contact: MRP
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: 6
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.00305555
Longitude: -78.90833333
Latitude Number: 360011
Longitude Number: 785430
Latitude Decimal: 36.0030555555556
Longitude Decimal: 78.9083333333333
GPS: 6
Agency: DWM
Facility ID: 26825
Last Modified: Not reported
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-5282
Incident Number: 26825
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2005-03-09 00:00:00
Date Occur: 2005-02-22 00:00:00
Cleanup: 2005-03-22 00:00:00
Closure Request: Not reported
Close Out: 2005-07-25 00:00:00
Level Of Soil Cleanup Achieved: Industrial/Commercial
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No

PRINCIPE, PETER RESIDENCE (Continued) **S106896219**

MTBE1:	No
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Cleanups to 2L.0202 standards
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 11.52 78 54 30.48
Lat/Long Decimal:	36.0032 78.908469999999994
Testlat:	Not reported
Regional Officer Project Mgr:	MRP
Region:	Raleigh
Company:	PETER PRINCIPE
Contact Person:	Not reported
Telephone:	9193081492
RP Address:	1001 GLORIA AVENUE
RP City,St,Zip:	DURHAM, NC 27701-
RP County:	Not reported
Comments:	One 880 gallon heating oil UST removed 3/22/05 with 55.73 tons of contaminated soil. Initial soil sample had 4646 ppm DRO TPH. Post-excavation sample were ONLY ANALYZED BY MADEP EPH, but still yielded results above residential MSCCs. 20-Day report refused
5 Min Quad:	Not reported

PIRF:

Facility Id:	26825
Date Occurred:	2005-02-22 00:00:00
Date Reported:	2005-03-09 00:00:00
Description Of Incident:	880 gallon heating oil UST removed along w/ 55.73 tons of soil. Initial sample had 4646 ppm DRO TPH. Post-excavation samples above residential MSCCs.
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	6
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	Not reported
Source:	Not reported
Ust Number:	P

PRINCIPE, PETER RESIDENCE (Continued) **S106896219**

Last Modified:	Not reported
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	26825
Site Note:	Noncommercial. 100 % eligible. 0 deductible.
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

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51 NNW 1/4-1/2 0.404 mi. 2132 ft. **DUKE GIFT PROPERTIES, INC.** **LAST** **S110629428**
1416 N. DUKE STREET **N/A**
DURHAM, NC 27701

Relative: Higher

Actual: 357 ft.

LAST:

Facility ID:	N/A	
UST Number:	RA-92136	
Incident Number:	92129	
Contamination Type:		SL
Source Type:	19	
Product Type:	P	
Date Reported:	2009-07-16 00:00:00	
Date Occur:	2009-06-02 00:00:00	
Cleanup:	2009-06-02 00:00:00	
Closure Request:	Not reported	
Close Out:	2009-07-20 00:00:00	
Level Of Soil Cleanup Achieved:		S3
Tank Regulated Status:		N
# Of Supply Wells:	0	
Commercial/NonCommercial UST Site:		N
Risk Classification:		L
Risk Class Based On Review:		L
Corrective Action Plan Type:		Not reported
NOV Issue Date:	Not reported	
NORR Issue Date:	Not reported	
Site Priority:	Not reported	
Phase Of LSA Req:	Not reported	
Site Risk Reason:	Not reported	

DUKE GIFT PROPERTIES, INC. (Continued) **S110629428**

Land Use:	Not reported
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	C
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 50.52 78 54 19.38
Lat/Long Decimal:	36.014040000000001 78.905389999999997
Testlat:	Not reported
Regional Officer Project Mgr:	JFM
Region:	RAL
Company:	Duke Gift Properties, Inc.
Contact Person:	Jeff Potter
Telephone:	9196846420
RP Address:	402 Oregon Street
RP City,St,Zip:	Durham, NC 27705
RP County:	Not reported
Comments:	Not reported
5 Min Quad:	Not reported

R52 **NU TREAD TIRE CO.. INC.** **IMD** **U001196292**
SSE **601 FOSTER STREET** **LUST** **N/A**
1/4-1/2 **DURHAM, NC 27702** **UST**
0.405 mi.
2140 ft. **Site 1 of 3 in cluster R**

Relative:
Higher

Actual:
360 ft.

IMD:

Region:	RAL
Facility ID:	20295
Date Occurred:	10/22/1998
Submit Date:	7/30/1999
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	LAB SAMPLES CONFIRMED SOIL CONTAMINATION WITH HIGH LEVELS OF GASOLINE.
Operator:	MIKE RAY
Contact Phone:	919-682-5795
Owner Company:	NU TREAD TIRE COMPANY
Operator Address:	601 FOSTER ST
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27701-
Ownership:	Private
Operation:	Commercial
Material:	GASOLINE
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported

NU TREAD TIRE CO.. INC. (Continued) **U001196292**

Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: L
Site Priority: Not reported
Priority Code: Not reported
Priority Update: 7/30/1999
Dem Contact: WDP
Wells Affected: Not reported
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.00166666
Longitude: -78.90111111
Latitude Number: 360006
Longitude Number: 785404
Latitude Decimal: 36.0016666666667
Longitude Decimal: 78.9011111111111
GPS: NOD
Agency: DWM
Facility ID: 20295
Last Modified: Not reported
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: 0-016032
UST Number: RA-2992
Incident Number: 20295
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 1998-12-31 00:00:00
Date Occur: 1998-10-22 00:00:00
Cleanup: 1998-10-22 00:00:00
Closure Request: Not reported
Close Out: 2004-10-29 00:00:00
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L

NU TREAD TIRE CO.. INC. (Continued) **U001196292**

Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: 1999-07-06 00:00:00
Site Priority: E
Phase Of LSA Req: 1
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Cleanups to 2L.0202 standards
PETOPT: 3
RPL: False
CD Num: Not reported
Reel Num: Not reported
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 36 0 6.96 78 54 4.92
Lat/Long Decimal: 36.001944000000002 78.901387999999997
Testlat: Not reported
Regional Officer Project Mgr: WDP
Region: Raleigh
Company: NU TREAD TIRE COMPANY
Contact Person: MIKE RAY
Telephone: 919-682-5795
RP Address: 601 FOSTER ST
RP City,St,Zip: DURHAM, NC 27701-
RP County: Not reported
Comments: This incident is for a 1k gas UST at site removed in 1999- Several other tanks (Facility ID 015101) incident # were in 1989 that may be related to contamination found a ball park behind site
5 Min Quad: Not reported

PIRF:
Facility Id: 20295
Date Occurred: 1998-10-22 00:00:00
Date Reported: 1999-07-30 00:00:00
Description Of Incident: LAB SAMPLES CONFIRMED SOIL CONTAMINATION WITH HIGH LEVELS OF GASOLINE.
Owner/Operator: MIKE RAY
Ownership: 4
Operation Type: 6
Type: 3
Location: 1
Site Priority: Not reported
Priority Update: 1999-07-30 00:00:00
Wells Affected Y/N: Not reported
Samples Include: Not reported
7#5 Minute Quad: Not reported
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported

NU TREAD TIRE CO.. INC. (Continued) **U001196292**

Release Code:	Not reported
Source Code:	PIRF
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	Not reported
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

UST:

Facility ID:	0-016032
Region:	5
Facility Telephone:	(919) 383-2541
Last Update:	1999-02-10 00:00:00
Owner Name:	NU TREAD TIRE CO.. INC.
Owner Address:	601 FOSTER STREET
Owner City,St,Zip:	DURHAM, NC 27702
Owner Phone:	(919) 383-2541
Latitude:	0
Latitude 1:	Not reported
Longitude:	0
Longitude 1:	Not reported
GPS String Confirmed:	No

Initials of Individual Confirming GPS: Not reported

Tank ID:	1
Tank ID Number:	Not reported
Tank Capacity:	1000
Status:	**Permanent Closed**
Date installed:	1959-05-13 00:00:00
Date removed:	1998-10-22 00:00:00
Tank Product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	1964-01-01 00:00:00
Tank Certified Number:	199704453O
Date Last Certified:	1997-03-18 00:00:00
Begin Certified Number:	1997-01-04 00:00:00
End Certified Number:	Not reported
Interior Protection:	None
Exterior Protection:	Paint
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported

NU TREAD TIRE CO.. INC. (Continued) **U001196292**

Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

R53
SSE
1/4-1/2
0.405 mi.
2140 ft.

NU-TREAD TIRE COMPANY. INC.
601-605 FOSTER STREET
DURHAM, NC 27702

LUST **U003144669**
LUST TRUST **N/A**
UST

Site 2 of 3 in cluster R

Relative:
Higher

Actual:
360 ft.

LUST:
Facility ID: Not reported
UST Number: RA-6037
Incident Number: 33574
Contamination Type: Groundwater/Both
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2008-08-18 00:00:00
Date Occur: 2008-08-18 00:00:00
Cleanup: Not reported
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: Not reported
Risk Class Based On Review: H
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: 1
Site Risk Reason: Not reported
Land Use: Industrial/commercial
MTBE: No
MTBE1: Yes
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Not reported
PETOPT: 3

NU-TREAD TIRE COMPANY. INC. (Continued) **U003144669**

RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 7.68 78 54 5.94
Lat/Long Decimal:	36.002139999999997 78.901660000000007
Testlat:	Not reported
Regional Officer Project Mgr:	WER
Region:	Raleigh
Company:	Nu-Tread Tire Company
Contact Person:	Michael C. Ray
Telephone:	9197324579
RP Address:	1407 Lawrence Road
RP City,St,Zip:	Hillsborough, NC 27278
RP County:	Not reported
Comments:	8.18.2008 8.18.2008 ? Received reports by email ? Bob Davies received hard copy. Report submitted by the City of Durham of ?Finding of Soil and GW Contamination in Excess of Regulatory Limits? ? Limited Phase II Soil and GW Sampling prepared by S&ME. Reported soil samples collected above soil to gw but below residential and groundwater above GCLs for benzene at B105 (5400 ppb). It appears that the plume follows the stream culvert which is under the ball parks infield and left field. WER// 9.18.2008 - Issuing a NORR to address gw and identify UST located on the Nu-Tread site. WER
5 Min Quad:	Not reported

PIRF:

Facility Id:	33574
Date Occurred:	1989-10-30 00:00:00
Date Reported:	2008-08-18 00:00:00
Description Of Incident:	Refer to Inc. #'s 20295 & 26710. During renovations of the DAP. Contaminated soil and gw identified. File review of Nu-Tread indicated 8 UST of unknown status.
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	7
Cause:	7
Source:	A
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Not reported**

NU-TREAD TIRE COMPANY. INC. (Continued) **U003144669**

NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	0-016032
Site ID:	33574
Site Note:	RIF on file Commercial; up to $75,000 deductible (initial deductible of $20,000 then reimbursed 60% for costs between $20,000 and $157,500).[CGS 10/5/09] RIF on file
Site Eligible?:	True
Commercial Find:	100% Commercial
Priority Rank:	Not reported
Deductable Amount:	75000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

UST:

Facility ID:	0-015101
Region:	5
Facility Telephone:	(919) 682-5795
Last Update:	1990-07-16 00:00:00
Owner Name:	NU-TREAD TIRE COMPANY. INC.
Owner Address:	601-605 FOSTER STREET
Owner City,St,Zip:	DURHAM, NC 27702
Owner Phone:	(919) 682-5795
Latitude:	0
Latitude 1:	Not reported
Longitude:	0
Longitude 1:	Not reported
GPS String Confirmed:	No

Initials of Individual Confirming GPS: Not reported

Tank ID:	1
Tank ID Number:	Not reported
Tank Capacity:	6000
Status:	**Permanent Closed**
Date installed:	1957-05-14 00:00:00
Date removed:	1989-10-30 00:00:00
Tank Product:	Fuel Oil
Product Type:	HEA
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported

NU-TREAD TIRE COMPANY. INC. (Continued) **U003144669**

Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 2
Tank ID Number: Not reported
Tank Capacity: 5000
Status: Permanent Closed
Date installed: 1947-05-17 00:00:00
Date removed: 1989-10-30 00:00:00
Tank Product: Gasoline, Gasoline Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported

NU-TREAD TIRE COMPANY. INC. (Continued) **U003144669**

Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 3
Tank ID Number: Not reported
Tank Capacity: 5000
Status: **Permanent Closed**
Date installed: 1947-05-17 00:00:00
Date removed: 1989-10-30 00:00:00
Tank Product: Gasoline, Gasoline Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 4
Tank ID Number: Not reported
Tank Capacity: 5000
Status: **Permanent Closed**
Date installed: 1947-05-17 00:00:00
Date removed: 1989-10-30 00:00:00
Tank Product: Gasoline, Gasoline Mixture

NU-TREAD TIRE COMPANY. INC. (Continued) **U003144669**

Product Type:	NON
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	None
Exterior Protection:	None
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Protection Piping Date:	Not reported
Spill Overfill Date:	Not reported
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Comment:	Not reported

Tank ID:	5
Tank ID Number:	Not reported
Tank Capacity:	5000
Status:	**Permanent Closed**
Date installed:	1947-05-17 00:00:00
Date removed:	1989-10-30 00:00:00
Tank Product:	Gasoline, Gasoline Mixture
Product Type:	NON
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	None
Exterior Protection:	None
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported

NU-TREAD TIRE COMPANY. INC. (Continued) **U003144669**

Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 6
Tank ID Number: Not reported
Tank Capacity: 500
Status: Permanent Closed
Date installed: 1947-05-17 00:00:00
Date removed: 1989-10-30 00:00:00
Tank Product: Motor oil
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 7

NU-TREAD TIRE COMPANY. INC. (Continued) **U003144669**

Tank ID Number:	Not reported
Tank Capacity:	500
Status:	**Permanent Closed**
Date installed:	1947-05-17 00:00:00
Date removed:	1989-10-30 00:00:00
Tank Product:	Motor oil
Product Type:	NON
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	None
Exterior Protection:	None
Piping material:	Steel
Certify Type:	Not reported
Leak Detection Type:	Not reported
Leak Detection Piping 1:	Not reported
Corrosn Protec Tank:	Not reported
Corrosn Protec Pipe:	Not reported
Spill and Overfill:	Not reported
Surface Water:	Not reported
Water Supply Well:	Not reported
Leak Detection Piping 2:	Not reported
Leak Detection Type 2:	Not reported
Corrosion Protection Tank1:	Not reported
Corrosion Piping:	Not reported
Overfill:	Not reported
Corrosion Protection Tank Date:	Not reported
Corrosion Protection Piping Date:	Not reported
Spill Overfill Date:	Not reported
Piping System Type Code:	Not reported
Piping System Type Description:	Not reported
Comment:	Not reported

Tank ID:	8
Tank ID Number:	Not reported
Tank Capacity:	500
Status:	**Permanent Closed**
Date installed:	1947-05-17 00:00:00
Date removed:	1989-10-30 00:00:00
Tank Product:	Kerosene, Kerosene Mixture
Product Type:	NON
Tank Material:	Steel
Compartment Tank:	No
Main Tank:	No
Tank Last Used Date:	Not reported
Tank Certified Number:	Not reported
Date Last Certified:	Not reported
Begin Certified Number:	Not reported
End Certified Number:	Not reported
Interior Protection:	None
Exterior Protection:	None

NU-TREAD TIRE COMPANY. INC. (Continued) **U003144669**

Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported
Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

Tank ID: 9
Tank ID Number: Not reported
Tank Capacity: 1000
Status: Permanent Closed
Date installed: 1957-05-14 00:00:00
Date removed: 1989-10-30 00:00:00
Tank Product: Gasoline, Gasoline Mixture
Product Type: NON
Tank Material: Steel
Compartment Tank: No
Main Tank: No
Tank Last Used Date: Not reported
Tank Certified Number: Not reported
Date Last Certified: Not reported
Begin Certified Number: Not reported
End Certified Number: Not reported
Interior Protection: None
Exterior Protection: None
Piping material: Steel
Certify Type: Not reported
Leak Detection Type: Not reported
Leak Detection Piping 1: Not reported
Corrosn Protec Tank: Not reported
Corrosn Protec Pipe: Not reported
Spill and Overfill: Not reported
Surface Water: Not reported
Water Supply Well: Not reported
Leak Detection Piping 2: Not reported
Leak Detection Type 2: Not reported
Corrosion Protection Tank1: Not reported
Corrosion Piping: Not reported
Overfill: Not reported
Corrosion Protection Tank Date: Not reported
Corrosion Protection Piping Date: Not reported
Spill Overfill Date: Not reported

NU-TREAD TIRE COMPANY. INC. (Continued) **U003144669**

Piping System Type Code: Not reported
Piping System Type Description: Not reported
Comment: Not reported

R54
SSE
1/4-1/2
0.405 mi.
2140 ft.

NU TREAD TIRE COMPANY
601-605 FOSTER ST
DURHAM, NC

IMD S106683074
LUST N/A

Site 3 of 3 in cluster R

Relative:
Higher

Actual:
360 ft.

IMD:
Region: Not reported
Facility ID: 26710
Date Occurred: 10/30/1989
Submit Date: 10/4/2004
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: 11 tanks removed in 1989-
Operator: MR MIKE RAY
Contact Phone: Not reported
Owner Company: NU TREAD TIRE COMPANY
Operator Address:601 FOSTER ST
Operator City: DURHAM
Oper City,St,Zip: DURHAM, NC 27702-
Ownership: Private
Operation: Commercial
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Not reported
Risk Site: L
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: MRP
Wells Affected: Unknown
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: y
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.00194444
Longitude: -78.90138888
Latitude Number: 360007
Longitude Number: 785405
Latitude Decimal: 36.0019444444444
Longitude Decimal: 78.9013888888889
GPS: 7
Agency: DWM
Facility ID: 26710
Last Modified: 2/18/2005
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported

NU TREAD TIRE COMPANY (Continued) **S106683074**

45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: 0-015101
UST Number: RA-5160
Incident Number: 26710
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2004-10-04 00:00:00
Date Occur: 1989-10-30 00:00:00
Cleanup: 1989-10-03 00:00:00
Closure Request: Not reported
Close Out: 2005-02-18 00:00:00
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: 1
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Not reported
PETOPT: 3
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 36 0 7.68 78 54 5.94
Lat/Long Decimal: 36.002139999999997 78.901660000000007
Testlat: Not reported
Regional Officer Project Mgr: MRP
Region: Raleigh

NU TREAD TIRE COMPANY (Continued) **S106683074**

Company:	NU TREAD TIRE COMPANY
Contact Person:	MR MIKE RAY
Telephone:	Not reported
RP Address:	601 FOSTER ST
RP City,St,Zip:	DURHAM, NC 27702-
RP County:	Not reported
Comments:	see also incident 20295 where a 1k gas ust was removed with little or no comtamination. There is an ESA in file done by EI for property behind Nu Tread- which indicated soil and gw impacts possibly from the Nu
5 Min Quad:	Not reported

PIRF:

Facility Id:	26710
Date Occurred:	1989-10-30 00:00:00
Date Reported:	2004-10-04 00:00:00
Description Of Incident:	11 tanks removed in 1989-
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	u
Samples Include:	Not reported
7#5 Minute Quad:	y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
Ust Number:	C
Last Modified:	2005-02-18 00:00:00
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

S55 North 1/4-1/2 0.407 mi. 2147 ft. | **AUGUSTUS CREEKMORE ESTATE**
1423 WOODLAND DRIVE
DURHAM, NC | **LUST TRUST** | **S105219152**
N/A

Site 1 of 2 in cluster S

Relative: Higher

Actual: 342 ft.

LUST TRUST:

Facility ID:	Not reported
Site ID:	15073
Site Note:	$5,000 noncommercial fund deductible; 90 % up to 1M .Site closed.
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Low
Deductable Amount:	5000
3rd Party Deductable Amt:	100000
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

S56 North 1/4-1/2 0.407 mi. 2147 ft. | **CREEKMORE, AGUSTUS ESTATE**
1423 WOODLAND DRIVE
DURHAM, NC | **IMD LUST** | **S102001259**
N/A

Site 2 of 2 in cluster S

Relative: Higher

Actual: 342 ft.

IMD:

Region:	RAL
Facility ID:	15073
Date Occurred:	12/9/1995
Submit Date:	2/20/1996
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	MINOR SOIL CONTAMINATION CONFIRMED DURING THE REMOVAL OF A 300 GALLON FUEL OIL UST.
Operator:	LYNN C. WATSON
Contact Phone:	910-201-4157
Owner Company:	EXECUTRIX OF MS. CREEKMORE
Operator Address:	1804 WEST OAK ISLAND DRIVE
Operator City:	LONG BEACH
Oper City,St,Zip:	LONG BEACH, NC 28465-
Ownership:	Private
Operation:	Residential
Material:	FUEL OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Residential
Risk Site:	Not reported
Site Priority:	20E
Priority Code:	E
Priority Update:	Not reported
Dem Contact:	MRP
Wells Affected:	Not reported
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported

CREEKMORE, AGUSTUS ESTATE (Continued) **S102001259**

7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	7
Agency:	DWM
Facility ID:	15073
Last Modified:	3/13/1996
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	1/31/1996

LUST:

Facility ID:	Not reported
UST Number:	RA-2334
Incident Number:	15073
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	1996-01-10 00:00:00
Date Occur:	1995-12-09 00:00:00
Cleanup:	Not reported
Closure Request:	Not reported
Close Out:	1996-02-07 00:00:00
Level Of Soil Cleanup Achieved:	Not reported
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	Not reported
Risk Class Based On Review:	Not reported
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	0
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	No
MTBE1:	No
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives

CREEKMORE, AGUSTUS ESTATE (Continued) **S102001259**

RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	45
Reel Num:	105
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	Not reported
Lat/Long Decimal:	0 0
Testlat:	Not reported
Regional Officer Project Mgr:	MRP
Region:	Raleigh
Company:	EXECUTRIX OF MS. CREEKMORE
Contact Person:	LYNN C. WATSON
Telephone:	910-201-4157
RP Address:	1804 WEST OAK ISLAND DRIVE
RP City,St,Zip:	LONG BEACH, NC 28465-
RP County:	Not reported
Comments:	Not reported
5 Min Quad:	Not reported

PIRF:

Facility Id:	15073
Date Occurred:	1995-12-09 00:00:00
Date Reported:	1996-02-20 00:00:00
Description Of Incident:	MINOR SOIL CONTAMINATION CONFIRMED DURING THE REMOVAL OF A 300 GALLON FUEL OIL UST.
Owner/Operator:	LYNN C. WATSON (EXECUTRIX)
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	20E
Priority Update:	Not reported
Wells Affected Y/N:	Not reported
Samples Include:	0
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Min_Soil
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	1996-03-13 00:00:00
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported

CREEKMORE, AGUSTUS ESTATE (Continued) **S102001259**

RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 1996-01-31 00:00:00

57
NW
1/4-1/2
0.412 mi.
2178 ft.

GBS PROPERTIES LLC PROPERTY B
1201 N. GREGSON STREET
DURHAM, NC 27701

LUST **S110629993**
LUST TRUST **N/A**

Relative:
Higher

Actual:
378 ft.

LUST:
Facility ID: Not reported
UST Number: RA-6741
Incident Number: 33895
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2010-08-12 00:00:00
Date Occur: 2010-08-12 00:00:00
Cleanup: 2010-08-12 00:00:00
Closure Request: Not reported
Close Out: 2010-09-02 00:00:00
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: Not reported
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: 1
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Cleanups to 2L.0202 standards
PETOPT: 4
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 36 0 44.46 78 54 31.44
Lat/Long Decimal: 36.012360000000001 78.908739999999995
Testlat: Not reported
Regional Officer Project Mgr: WER
Region: Raleigh
Company: GBS Properties LLC

GBS PROPERTIES LLC PROPERTY B (Continued) **S110629993**

Contact Person:		Joseph Gary
Telephone:		9196821946
RP Address:		500 W. Knox Street
RP City,St,Zip:		Durham, NC 27701
RP County:		Not reported
Comments:	Not reported	
5 Min Quad:	Not reported	

PIRF:

Facility Id:	33895
Date Occurred:	2010-08-12 00:00:00
Date Reported:	2010-08-12 00:00:00
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	33895
Site Note:	RIF on file. Noncommercial; 100% eligible; $0 deductible. Track this as a site that would have been 5K + 10% as this is receiving 100% because of Session Law 2010-154. [CGS 1/14/11]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

GBS PROPERTIES LLC PROPERTY B (Continued) **S110629993**

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

Q58
SW
1/4-1/2
0.414 mi.
2184 ft.

ANN RICHARDS PROPERTY
1012 GLORIA AVENUE
DURHAM, NC

LUST **S110303249**
LUST TRUST **N/A**

Site 2 of 2 in cluster Q

Relative:
Higher

Actual:
375 ft.

LUST:

Facility ID:	Not reported
UST Number:	RA-6625
Incident Number:	33788
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	2010-01-14 00:00:00
Date Occur:	2010-01-14 00:00:00
Cleanup:	2010-01-14 00:00:00
Closure Request:	Not reported
Close Out:	2010-05-05 00:00:00
Level Of Soil Cleanup Achieved:	Residential
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	2010-04-16 00:00:00
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Cleanups to alternate standards
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 13.86 78 54 33.24
Lat/Long Decimal:	36.003860000000003 78.909239999999997
Testlat:	Not reported
Regional Officer Project Mgr:	WER
Region:	Raleigh
Company:	Not reported
Contact Person:	Ann Richards

ANN RICHARDS PROPERTY (Continued) **S110303249**

Telephone:		9196888828
RP Address:		1012 Gloria Ave
RP City,St,Zip:		Durham, NC 27701
RP County:		Not reported
Comments:	Not reported	
5 Min Quad:	Not reported	

PIRF:

Facility Id:	33788
Date Occurred:	2010-01-14 00:00:00
Date Reported:	2010-01-14 00:00:00
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	33788
Site Note:	Noncommercial; 100% eligible; $0 deductible.[CGS revised only for purposes of claim review on 11/17/10 as this site originally received the $5,000 plus 10% deductible.]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

ANN RICHARDS PROPERTY (Continued) **S110303249**

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

59
SSE
1/4-1/2
0.420 mi.
2218 ft.

USPS RIGGSBEE
715 RIGGSBEE AVENUE
DURHAM, NC

IMD **S105895442**
LUST **N/A**

Relative:
Higher

Actual:
375 ft.

IMD:

Region:	RAL
Facility ID:	8043
Date Occurred:	Not reported
Submit Date:	6/3/1992
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	CONTAMINATION FOUND DURING USTS REMOVAL
Operator:	MICHAEL BENZ
Contact Phone:	Not reported
Owner Company:	US POSTAL SERVICE OFFICE
Operator Address:	PO BOX 27497
Operator City:	GREENSBORO
Oper City,St,Zip:	GREENSBORO, NC 27495-
Ownership:	Federal
Operation:	Public Service
Material:	GASOLINE
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Material:	WASTE OIL
Qty Lost:	Not reported
Qty Recovered:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Urban
Risk Site:	Not reported
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	STA
Wells Affected:	Not reported
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	7
Agency:	DWM
Facility ID:	8043
Last Modified:	5/3/2001
Incident Phase:	Closed Out

USPS RIGGSBEE (Continued) **S105895442**

NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	5/26/1992

LUST:

Facility ID:	0-000360
UST Number:	RA-1202
Incident Number:	8043
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	1990-07-24 00:00:00
Date Occur:	Not reported
Cleanup:	Not reported
Closure Request:	Not reported
Close Out:	1992-05-26 00:00:00
Level Of Soil Cleanup Achieved:	Not reported
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	Not reported
Risk Class Based On Review:	Not reported
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	0
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Not reported
PETOPT:	3
RPL:	False
CD Num:	45
Reel Num:	105
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	Not reported
Lat/Long Decimal:	0 0
Testlat:	Not reported

USPS RIGGSBEE (Continued) **S105895442**

Regional Officer Project Mgr: STA
Region: Raleigh
Company: US POSTAL SERVICE OFFICE
Contact Person: MICHAEL BENZ
Telephone: Not reported
RP Address: PO BOX 27497
RP City,St,Zip: GREENSBORO, NC 27495-
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported

PIRF:
Facility Id: 8043
Date Occurred: 1990-04-05 00:00:00
Date Reported: 1992-06-03 00:00:00
Description Of Incident: CONTAMINATION FOUND DURING USTS REMOVAL
Owner/Operator: MICHAEL BENZ
Ownership: 5
Operation Type: 1
Type: 3
Location: 1
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: Not reported
Samples Include: 0
7#5 Minute Quad: Not reported
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Min_Soil
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: Not reported

Last Modified: 2001-05-03 00:00:00
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 1992-05-26 00:00:00

T60 ESE 1/4-1/2 0.425 mi. 2242 ft. **SLATTERY, MARK RESIDENCE (FORM 205 W. TRINITY AVE. DURHAM, NC** **IMD S105912035 LAST N/A**

Site 1 of 2 in cluster T

Relative: Higher

Actual: 396 ft.

IMD:
Region: RAL
Facility ID: 10383
Date Occurred: 5/17/1993

SLATTERY, MARK RESIDENCE (FORM (Continued) **S105912035**

Submit Date:	6/23/1993
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	Closed File- Sent to State Records Center 11/12/04 Box 2 of 7 Item #25681
Operator:	SLATTERY, MARK
Contact Phone:	688-2404
Owner Company:	Not reported
Operator Address:	205 W. TRINITY AVE.
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 688-2404
Ownership:	Federal
Operation:	Industrial
Material:	#2 FUEL OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Spill-surface
Type:	Heating Oil
Location:	Residence
Setting:	Residential
Risk Site:	Not reported
Site Priority:	Not reported
Priority Code:	NOD
Priority Update:	Not reported
Dem Contact:	ERIC RICE
Wells Affected:	No
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	GPS
Agency:	DWQ
Facility ID:	10383
Last Modified:	11/9/2004
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	6/19/1993

LAST:

Facility ID:	Not reported

SLATTERY, MARK RESIDENCE (FORM (Continued) **S105912035**

UST Number:	RA-10383
Incident Number:	10383
Contamination Type:	NO
Source Type:	19
Product Type:	N
Date Reported:	Not reported
Date Occur:	Not reported
Cleanup:	Not reported
Closure Request:	Not reported
Close Out:	2004-11-12 00:00:00
Level Of Soil Cleanup Achieved:	Not reported
Tank Regulated Status:	Not reported
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	Not reported
Risk Classification:	Not reported
Risk Class Based On Review:	Not reported
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	0
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	C
RBCA GW:	Not reported
PETOPT:	Not reported
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	Not reported
Valid:	False
Lat/Long:	36.00534 -78.89649
Lat/Long Decimal:	36.005339999999997 78.89649
Testlat:	Not reported
Regional Officer Project Mgr:	Not reported
Region:	RAL
Company:	Not reported
Contact Person:	MARK SLATTERY
Telephone:	Not reported
RP Address:	205 W. TRINITY AVE.
RP City,St,Zip:	DURHAM, NC
RP County:	Not reported
Comments:	Closed File- Sent to State Records Center 11/12/04 Box 2 of 7 Item #25681
5 Min Quad:	Not reported

T61
ESE
1/4-1/2
0.425 mi.
2242 ft.

SLATTERY RESIDENCE (MARK)
205 W. TRINITY AVE.
DURHAM, NC 27701

Site 2 of 2 in cluster T

LUST **S103131167**
N/A

Relative:
Higher

Actual:
396 ft.

LUST:

Facility ID:	Not reported
UST Number:	RA-1664
Incident Number:	10383
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	1993-06-23 00:00:00
Date Occur:	1993-03-17 00:00:00
Cleanup:	Not reported
Closure Request:	Not reported
Close Out:	Not reported
Level Of Soil Cleanup Achieved:	Not reported
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	Not reported
Risk Class Based On Review:	U
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Not reported
PETOPT:	3
RPL:	False
CD Num:	Not reported
Reel Num:	Not reported
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 18.54 78 53 47.4
Lat/Long Decimal:	36.005167 78.896502999999996
Testlat:	Not reported
Regional Officer Project Mgr:	MRP
Region:	Raleigh
Company:	Not reported
Contact Person:	MARK SLATTERY
Telephone:	Not reported
RP Address:	510 E WHITAKER MILL RD
RP City,St,Zip:	RALEIGH, NC 27608-2634
RP County:	DURHA

SLATTERY RESIDENCE (MARK) (Continued) **S103131167**

Comments: //Can't locate file. -MRP, 3-30-06//
5 Min Quad: Not reported

PIRF:

Facility Id:	10383
Date Occurred:	1993-03-17 00:00:00
Date Reported:	1993-06-23 00:00:00
Description Of Incident:	SPILL FROM A 350 GAL. HOME HEATING OIL TANK. CONTAMINATED SOIL DISPOSED OF AND SITE CLOSED OUT.
Owner/Operator:	MARK SLATTERY
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	Not reported
Samples Include:	0
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Min_Soil
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	1993-07-13 00:00:00
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	1993-06-14 00:00:00

62
West
1/4-1/2
0.429 mi.
2265 ft.

ROBINS RESIDENCE
711 WATTS STREET
DURHAM, NC 27701

LAST **S110776478**
N/A

Relative:
Higher

Actual:
393 ft.

LAST:

Facility ID:	N/A
UST Number:	RA-92225
Incident Number:	92212
Contamination Type:	SL
Source Type:	19
Product Type:	P
Date Reported:	2011-03-07 00:00:00
Date Occur:	2011-01-28 00:00:00
Cleanup:	2011-01-28 00:00:00
Closure Request:	Not reported

ROBINS RESIDENCE (Continued) **S110776478**

Close Out: 2011-03-10 00:00:00
Level Of Soil Cleanup Achieved: S3
Tank Regulated Status: N
Of Supply Wells: 0
Commercial/NonCommercial UST Site: N
Risk Classification: Not reported
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: C
RBCA GW: Not reported
PETOPT: 4
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 36 30 43.74 78 41 19.14
Lat/Long Decimal: 36.512166000000001 78.688666999999995
Testlat: Not reported
Regional Officer Project Mgr: JFM
Region: RAL
Company: Not reported
Contact Person: Doug Robins
Telephone: 9194225361
RP Address: 5112 Neal Road
RP City,St,Zip: Durham, NC 27705
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported

---

63 **BENEFICIAL MORTGAGE PROPERTY W. KNOX** **LUST** **S110143848**
NE **508 W. KNOX STREET** **N/A**
1/4-1/2 **DURHAM, NC 27701**
0.433 mi.
2285 ft.

Relative:
Higher

Actual:
363 ft.

LUST:
Facility ID: Not reported
UST Number: RA-6609
Incident Number: 33774
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM

BENEFICIAL MORTGAGE PROPERTY W. KNOX (Continued) **S110143848**

Date Reported: 2009-12-17 00:00:00
Date Occur: 2009-12-17 00:00:00
Cleanup: 2009-10-30 00:00:00
Closure Request: Not reported
Close Out: 2010-03-10 00:00:00
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: Not reported
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Cleanups to 2L.0202 standards
PETOPT: 4
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 36 0 45.96 78 5 240
Lat/Long Decimal: 36.012777999999997 78.900000000000006
Testlat: Not reported
Regional Officer Project Mgr: WER
Region: Raleigh
Company: Beneficial Mortgage Company
Contact Person: Peter Greijn
Telephone: Not reported
RP Address: 961 Weigel Drive
RP City,St,Zip: Elmhurst, IL 60126
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported

PIRF:
Facility Id: 33774
Date Occurred: 2009-10-30 00:00:00
Date Reported: 2009-10-30 00:00:00
Description Of Incident: Not reported
Owner/Operator: Not reported
Ownership: 4
Operation Type: 3
Type: 4

BENEFICIAL MORTGAGE PROPERTY W. KNOX (Continued) **S110143848**

Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	1
Source:	A
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

U64 **CRAIG & DENNETT RESIDENCE** **IMD S106195968**
NW **1012 W. KNOX STREET** **LUST N/A**
1/4-1/2 **DURHAM, NC**
0.467 mi.
2467 ft. **Site 1 of 2 in cluster U**

Relative:
Higher

Actual:
357 ft.

IMD:

Region:	RAL
Facility ID:	26437
Date Occurred:	11/3/2003
Submit Date:	11/21/2003
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	One (1)1,000-gallon heating oil UST
Operator:	Not reported
Contact Phone:	Not reported
Owner Company:	MARY DENNETT & DAMIAN CRAIG
Operator Address:	1012 W. KNOX STREET
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC
Ownership:	Private
Operation:	Residential
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Not reported
Risk Site:	L

CRAIG & DENNETT RESIDENCE (Continued) **S106195968**

Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: JFM
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: None
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.01305555
Longitude: -78.90916666
Latitude Number: 360047
Longitude Number: 785433
Latitude Decimal: 36.0130555555556
Longitude Decimal: 78.9091666666667
GPS: 6
Agency: DWM
Facility ID: 26437
Last Modified: 12/8/2003
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-4830
Incident Number: 26437
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2003-11-21 00:00:00
Date Occur: 2003-11-03 00:00:00
Cleanup: 2003-11-03 00:00:00
Closure Request: Not reported
Close Out: 2003-12-08 00:00:00
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported

CRAIG & DENNETT RESIDENCE (Continued) **S106195968**

Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	No
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	224
Reel Num:	75
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 47.7 78 54 33.36
Lat/Long Decimal:	36.013249999999999 78.909283000000002
Testlat:	Not reported
Regional Officer Project Mgr:	JFM
Region:	Raleigh
Company:	MARY DENNETT & DAMIAN CRAIG
Contact Person:	Not reported
Telephone:	Not reported
RP Address:	1012 W. KNOX STREET
RP City,St,Zip:	DURHAM, NC
RP County:	Not reported
Comments:	One 1000-gal heating oil UST removed w/ 13 tons of soil. Post-excavation samples were all below S-T-GW MSCCs. -MRP
5 Min Quad:	Not reported

PIRF:

Facility Id:	26437
Date Occurred:	2003-11-03 00:00:00
Date Reported:	2003-11-21 00:00:00
Description Of Incident:	One (1)1,000-gallon heating oil UST
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	5
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
Ust Number:	C

CRAIG & DENNETT RESIDENCE (Continued) **S106195968**

Last Modified:	2003-12-08 00:00:00
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

U65 **FREEMAN PROPERTY (ERMA)** **LUST** **S108851981**
NW **1308 N. GREGSON ST** **LUST TRUST** **N/A**
1/4-1/2 **DURHAM, NC 27701**
0.469 mi.
2479 ft. **Site 2 of 2 in cluster U**

Relative:
Higher

Actual:
354 ft.

LUST:

Facility ID:	Not reported
UST Number:	RA-5845
Incident Number:	33401
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	2007-11-01 00:00:00
Date Occur:	2007-11-01 00:00:00
Cleanup:	Not reported
Closure Request:	Not reported
Close Out:	2008-03-17 00:00:00
Level Of Soil Cleanup Achieved:	Industrial/Commercial
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	No
Flag:	No
Flag1:	No
LUR Filed:	2008-04-01 00:00:00
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False

FREEMAN PROPERTY (ERMA) (Continued) **S108851981**

Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 36 0 47.82 78 54 28.86
Lat/Long Decimal: 36.013289999999998 78.908022000000003
Testlat: Not reported
Regional Officer Project Mgr: WTH
Region: Raleigh
Company: Not reported
Contact Person: Homa J. Freeman (Pwr of Atty)
Telephone: Not reported
RP Address: P.O. Box 52396
RP City,St,Zip: Durham, NC 27717
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported

PIRF:
Facility Id: 33401
Date Occurred: 2007-11-01 00:00:00
Date Reported: 2007-11-01 00:00:00
Description Of Incident: Not reported
Owner/Operator: Not reported
Ownership: 4
Operation Type: 3
Type: 4
Location: 7
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: Y
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 2
Cause: Not reported
Source: Not reported
Ust Number: P

Last Modified: 2008-03-17 00:00:00
Incident Phase: **Closed Out**
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:
Facility ID: Not reported
Site ID: 33401

FREEMAN PROPERTY (ERMA) (Continued) **S108851981**

Site Note:	Noncommercial; 100% eligible; $0 deductible.[CGS 1/22/08]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

66
SSE
1/4-1/2
0.474 mi.
2505 ft.

NU-TREAD TIRE COMPANY, INC.
545 FOSTER STREET
DURHAM, NC 27597

LUST **S108407854**
BROWNFIELDS **N/A**

Relative:
Higher

Actual:
348 ft.

LUST:

Facility ID:	0-015102
UST Number:	RA-5655
Incident Number:	33188
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	2007-01-16 00:00:00
Date Occur:	2006-05-01 00:00:00
Cleanup:	2006-05-01 00:00:00
Closure Request:	Not reported
Close Out:	2007-02-01 00:00:00
Level Of Soil Cleanup Achieved:	Soil to Groundwater
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	2007-02-08 00:00:00
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Cleanups to alternate standards
PETOPT:	3
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N

NU-TREAD TIRE COMPANY, INC. (Continued) **S108407854**

Valid: False
Lat/Long: 36 0 6.96 78 54 5.94
Lat/Long Decimal: 36.001944000000002 78.901667000000003
Testlat: Not reported
Regional Officer Project Mgr: JFM
Region: Raleigh
Company: Durham Credo-1, LLC
Contact Person: Charlotte A. Mitchell
Telephone: 9197437352
RP Address: 539 Foster Street
RP City,St,Zip: Durham, NC 27701
RP County: Not reported
Comments: Two (02) 5K-gallon gasoline USTs removed in 1989. 01/17/2007, JFM/// NRP recorded by Durham County Reg of Deeds 2/08/07, Book 5505, Page 193-198, RKD. // PN for NFA rec'd 2/27/07, RKD.
5 Min Quad: Not reported

PIRF:
Facility Id: 33188
Date Occurred: 2006-05-01 00:00:00
Date Reported: 2007-01-16 00:00:00
Description Of Incident: Two (02) 5K-gallon gasoline USTs removed in 1989
Owner/Operator: Not reported
Ownership: 4
Operation Type: 6
Type: 3
Location: 1
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: Y
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 3
Cause: Not reported
Source: Not reported
Ust Number: P

Last Modified: 2007-02-01 00:00:00
Incident Phase: **Closed Out**
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

BROWNFIELDS:
Project Type: ACTIVE ELIGIBLE PROJECTS
Contact Type: Not reported

NU-TREAD TIRE COMPANY, INC. (Continued) **S108407854**

Contact Name: Durham CREDO-1, LLC
Comments: Not reported

V67 WSW 1/4-1/2 0.479 mi. 2530 ft. **COTTON RESIDENCE**
409 WATTS STREET
DURHAM, NC

LUST TRUST **S105219664**
N/A

Site 1 of 2 in cluster V

Relative: Higher

Actual: 385 ft.

LUST TRUST:

Facility ID:	Not reported
Site ID:	21765
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

V68 WSW 1/4-1/2 0.482 mi. 2543 ft. **COTTEN, DENICE PROPERTY**
401 WATTS ST.
DURHAM, NC

IMD **S104547261**
LUST **N/A**

Site 2 of 2 in cluster V

Relative: Higher

Actual: 384 ft.

IMD:

Region:	RAL
Facility ID:	21765
Date Occurred:	3/10/2000
Submit Date:	6/13/2000
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	SOIL SAMPLE SHOWED 3684.2 PPM TPH
Operator:	DENICE COTTEN
Contact Phone:	9192869606
Owner Company:	Not reported
Operator Address:	2015 W. CLUB BLVD.
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27705-
Ownership:	Private
Operation:	Residential
Material:	HEATING OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Residential
Risk Site:	L
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	6/13/2000

COTTEN, DENICE PROPERTY (Continued) **S104547261**

Dem Contact: MRP
Wells Affected: Not reported
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Soil Samples
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.00388888
Longitude: -78.91111111
Latitude Number: 360014
Longitude Number: 785440
Latitude Decimal: 36.0038888888889
Longitude Decimal: 78.9111111111111
GPS: NOD
Agency: DWM
Facility ID: 21765
Last Modified: Not reported
Incident Phase: RE
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-3376
Incident Number: 21765
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2000-04-26 00:00:00
Date Occur: 2000-03-10 00:00:00
Cleanup: Not reported
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Residential
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: 2001-10-30 00:00:00
Site Priority: Not reported
Phase Of LSA Req: 1
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No

COTTEN, DENICE PROPERTY (Continued) **S104547261**

MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	Not reported
Reel Num:	Not reported
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 13.92 78 54 39.96
Lat/Long Decimal:	36.003889000000001 78.911111000000005
Testlat:	Not reported
Regional Officer Project Mgr:	MRP
Region:	Raleigh
Company:	Not reported
Contact Person:	DENICE COTTEN
Telephone:	9192869606
RP Address:	2015 W. CLUB BLVD.
RP City,St,Zip:	DURHAM, NC 27705-
RP County:	Durham
Comments:	20 Day Report rec'd 26 Apr. 2000. UST closed in place 07 Apr. 2000. UST closure rpt rec'd 03 May 2000.//////////SAR (03/02/2001) was refused for soil natural remediation. 10/30/2001, JFM///////// SAR (revised) rec'd 12/6/01, RKD/// Needs LUR for soil
5 Min Quad:	Not reported

PIRF:

Facility Id:	21765
Date Occurred:	2000-03-10 00:00:00
Date Reported:	2000-06-13 00:00:00
Description Of Incident:	SOIL SAMPLE SHOWED 3684.2 PPM TPH
Owner/Operator:	DENICE COTTON
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	2000-06-13 00:00:00
Wells Affected Y/N:	Not reported
Samples Include:	Not reported
7#5 Minute Quad:	3
5 Minute Quad:	2
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	PIRF
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	Not reported

COTTEN, DENICE PROPERTY (Continued) **S104547261**

Incident Phase:	**Response**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

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69 NNE 1/4-1/2 0.483 mi. 2549 ft. **SURLA, ELIZABETH PROPERTY**
510 EVERETTE PLACE
DURHAM, NC

IMD **S106683080**
LUST **N/A**
LUST TRUST

Relative: Higher

Actual: 346 ft.

IMD:

Region:	Not reported
Facility ID:	26716
Date Occurred:	9/3/2004
Submit Date:	10/13/2004
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Incident Desc:	ONE 550 GALLON HEATING OIL UST REMOVED ON 09/03/204 . 10.30 TONS OF CONTAMINATED SOIL REMOVED BED ROCK AT 8'. SOIL ABOVE SOIL TO GROUDWATER.
Operator:	MS. ELIZABETH SURLA
Contact Phone:	6104894623
Owner Company:	Not reported
Operator Address:	11315 NE 32ND CT
Operator City:	VANCOUVER
Oper City,St,Zip:	VANCOUVER, WA 98686-4366
Ownership:	Private
Operation:	Residential
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Not reported
Risk Site:	L
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	ZMB
Wells Affected:	Not reported
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	Y
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	36.00805555
Longitude:	-78.53972222
Latitude Number:	360029

SURLA, ELIZABETH PROPERTY (Continued) **S106683080**

Longitude Number:	783223
Latitude Decimal:	36.0080555555556
Longitude Decimal:	78.5397222222222
GPS:	7
Agency:	DWM
Facility ID:	26716
Last Modified:	Not reported
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST:

Facility ID:	Not reported
UST Number:	RA-5166
Incident Number:	26716
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	2004-10-13 00:00:00
Date Occur:	2004-09-03 00:00:00
Cleanup:	2004-09-03 00:00:00
Closure Request:	Not reported
Close Out:	2005-07-01 00:00:00
Level Of Soil Cleanup Achieved:	Residential
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	2005-07-19 00:00:00
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Cleanups to alternate standards
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0

SURLA, ELIZABETH PROPERTY (Continued) **S106683080**

RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 29.88 78 32 23.28
Lat/Long Decimal:	36.008299999999998 78.5398
Testlat:	Not reported
Regional Officer Project Mgr:	ZMB
Region:	Raleigh
Company:	Not reported
Contact Person:	MS. ELIZABETH SURLA
Telephone:	6104894623
RP Address:	11315 NE 32ND CT
RP City,St,Zip:	VANCOUVER, WA 98686-4366
RP County:	Not reported
Comments:	ONE 550 GALLON HEATING OIL UST REMOVED ON 09/03/2004. ABOUT 10.30 TONS OF CONTAMINATED SOIL HAS BEEN REMOVED. BED ROCK FOUND AT 8' FURTHER SOIL EXCAVATION STOPPED. /// NRP filed with Durham County Reg of Deeds 7/19/05, Book 4877, Page 140-145, RKD.
5 Min Quad:	Not reported

PIRF:

Facility Id:	26716
Date Occurred:	2004-09-03 00:00:00
Date Reported:	2004-10-13 00:00:00
Description Of Incident:	ONE 550 GALLON HEATING OIL UST REMOVED ON 09/03/204 . 10.30 TONS OF CONTAMINATED SOIL REMOVED BED ROCK AT 8'. SOIL ABOVE SOIL TO GROUDWATER.
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	Not reported
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
Ust Number:	C
Last Modified:	Not reported
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported

SURLA, ELIZABETH PROPERTY (Continued) **S106683080**

Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:
Facility ID: Not reported
Site ID: 26716
Site Note: Noncommercial. 100% eligible. 0 deductible.
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

W70 NE 1/4-1/2 0.486 mi. 2566 ft. **KESSLER PROPERTY**
417 W. KNOX STREET
DURHAM, NC

LUST **S110052011**
LUST TRUST **N/A**

Site 1 of 2 in cluster W

Relative: Higher

Actual: 384 ft.

LUST:
Facility ID: Not reported
UST Number: RA-6566
Incident Number: 33735
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2009-09-30 00:00:00
Date Occur: 2009-09-30 00:00:00
Cleanup: 2009-09-30 00:00:00
Closure Request: Not reported
Close Out: 2009-10-23 00:00:00
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: Not reported
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Not reported
PETOPT: 4

KESSLER PROPERTY (Continued) **S110052011**

RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 45 78 53 54.66
Lat/Long Decimal:	36.012500000000003 78.898529999999994
Testlat:	Not reported
Regional Officer Project Mgr:	WER
Region:	Raleigh
Company:	Not reported
Contact Person:	Piper Kessler
Telephone:	Not reported
RP Address:	417 W. Knox Street
RP City,St,Zip:	Durham, NC 27701
RP County:	Not reported
Comments:	Not reported
5 Min Quad:	Not reported

PIRF:

Facility Id:	33735
Date Occurred:	2009-09-30 00:00:00
Date Reported:	2009-09-30 00:00:00
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	3
Source:	A
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

KESSLER PROPERTY (Continued) **S110052011**

LUST TRUST:

Facility ID:	Not reported
Site ID:	33735
Site Note:	100% Non-Commercial with $0.00 deductible effective 7/28/10/jc
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

W71 **JERNIGAN, CARLA** **IMD** **S105912134**
NE **408 W KNOX AVE.** **LAST** **N/A**
1/4-1/2 **DURHAM, NC**
0.492 mi.
2598 ft. **Site 2 of 2 in cluster W**

Relative:
Higher

Actual:
385 ft.

IMD:

Region:	RAL
Facility ID:	15353
Date Occurred:	2/29/1996
Submit Date:	6/20/2003
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Not reported
Incident Desc:	CLOSED OUT
Operator:	JERNIGAN, CARLA
Contact Phone:	919-790-2804
Owner Company:	CARLA JERNIGAN
Operator Address:	408 W KNOX
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 919-790-2804
Ownership:	Federal
Operation:	Industrial
Material:	HEATING OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Dredge Spoil
Type:	Heating Oil
Location:	Residence
Setting:	Residential
Risk Site:	No
Site Priority:	20
Priority Code:	E
Priority Update:	Not reported
Dem Contact:	ERIC RICE
Wells Affected:	No
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	36.013153
Longitude:	-78.898279

JERNIGAN, CARLA (Continued) **S105912134**

Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	GPS
Agency:	DWQ
Facility ID:	15353
Last Modified:	6/20/2003
Incident Phase:	RE
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LAST:

Facility ID:	Not reported
UST Number:	RA-15353
Incident Number:	15353
Contamination Type:	NO
Source Type:	14
Product Type:	N
Date Reported:	Not reported
Date Occur:	Not reported
Cleanup:	Not reported
Closure Request:	Not reported
Close Out:	2007-09-17 00:00:00
Level Of Soil Cleanup Achieved:	Not reported
Tank Regulated Status:	Not reported
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	Not reported
Risk Classification:	Not reported
Risk Class Based On Review:	Not reported
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	20
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	C
RBCA GW:	Not reported
PETOPT:	Not reported
RPL:	False
CD Num:	0

JERNIGAN, CARLA (Continued) **S105912134**

Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	Not reported
Valid:	False
Lat/Long:	36.013153 -78.898279
Lat/Long Decimal:	36.013153000000003 78.898279000000002
Testlat:	Not reported
Regional Officer Project Mgr:	Not reported
Region:	RAL
Company:	CARLA JERNIGAN
Contact Person:	CARLA JERNIGAN
Telephone:	Not reported
RP Address:	408 W KNOX
RP City,St,Zip:	DURHAM, NC
RP County:	Not reported
Comments:	CLOSED OUT
5 Min Quad:	Not reported

X72
West
1/4-1/2
0.493 mi.
2601 ft.

DORTON, SPERO RESIDENCE
512 N. BUCHANAN BLVD
DURHAM, NC

IMD S102328381
LUST N/A

Site 1 of 2 in cluster X

Relative:
Higher

Actual:
398 ft.

IMD:

Region:	RAL
Facility ID:	16191
Date Occurred:	5/15/1994
Submit Date:	8/20/1996
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Incident Desc:	UPON REMOVAL OF 550 GAL. UST, SOIL AND GW CONTAM. WERE CONFIRMED.
Operator:	SPERO DORTON
Contact Phone:	919-682-7866
Owner Company:	Not reported
Operator Address:	512 N. BUCHANAN BLVD
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27514-
Ownership:	Private
Operation:	Residential
Material:	HEATING OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Residential
Risk Site:	L
Site Priority:	25E
Priority Code:	L
Priority Update:	4/16/1998
Dem Contact:	MRP
Wells Affected:	No
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Responsible Parties

DORTON, SPERO RESIDENCE (Continued) **S102328381**

Samples Include: Groundwater Samples
7.5 Min Quad: Not reported
5 Min Quad: I42Y
Latitude: 36.0075
Longitude: -78.9125
Latitude Number: 360027
Longitude Number: 785445
Latitude Decimal: 36.0075
Longitude Decimal: 78.9125
GPS: 7
Agency: DWM
Facility ID: 16191
Last Modified: Not reported
Incident Phase: RE
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-2615
Incident Number: 16191
Contamination Type: Groundwater/Both
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 1996-05-15 00:00:00
Date Occur: 1994-05-15 00:00:00
Cleanup: 1996-05-14 00:00:00
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: 2002-01-31 00:00:00
Site Priority: 25E
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0

DORTON, SPERO RESIDENCE (Continued) **S102328381**

Current Status:	File Located in House
RBCA GW:	Not reported
PETOPT:	4
RPL:	False
CD Num:	Not reported
Reel Num:	Not reported
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	36 0 27 78 54 45
Lat/Long Decimal:	36.0075 78.912499999999994
Testlat:	Not reported
Regional Officer Project Mgr:	MRP
Region:	Raleigh
Company:	Not reported
Contact Person:	SPERO DORTON
Telephone:	919-682-7866
RP Address:	512 N. BUCHANAN BLVD
RP City,St,Zip:	DURHAM, NC 27514-
RP County:	Not reported
Comments:	TANK AND SOIL REMOVED Not reported //File review: GW contamination below GCLs & Rhine Research (inc. #26013) LSA doesn't show any receptor
5 Min Quad:	I42y

PIRF:

Facility Id:	16191
Date Occurred:	1996-05-14 00:00:00
Date Reported:	1996-08-20 00:00:00
Description Of Incident:	UPON REMOVAL OF 550 GAL. UST, SOIL AND GW CONTAM. WERE CONFIRMED.
Owner/Operator:	SPERO DORTON
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	25E
Priority Update:	1998-04-16 00:00:00
Wells Affected Y/N:	N
Samples Include:	0
7#5 Minute Quad:	3
5 Minute Quad:	1
Pirf/Min Soil:	Not reported
Release Code:	I42Y
Source Code:	Pirf
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	Not reported
Incident Phase:	**Response**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported

DORTON, SPERO RESIDENCE (Continued) **S102328381**

Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

X73 **DORTON PROPERTY** **LUST TRUST** **S105219239**
West **512 NORTH BUCHANON BOULEVARD** **N/A**
1/4-1/2 **DURHAM, NC**
0.497 mi.
2624 ft. **Site 2 of 2 in cluster X**

Relative:
Higher

Actual:
399 ft.

LUST TRUST:

Facility ID:	Not reported
Site ID:	16191
Site Note:	application only
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Low
Deductable Amount:	0
3rd Party Deductable Amt:	100000
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

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74 **UMSTEAD RESIDENCE (KELLY)** **IMD** **S105958854**
North **1502 RUFFIN STREET** **LUST** **N/A**
1/4-1/2 **DURHAM, NC** **LUST TRUST**
0.497 mi.
2627 ft.

Relative:
Higher

Actual:
348 ft.

IMD:

Region:	RAL
Facility ID:	26348
Date Occurred:	6/12/2003
Submit Date:	8/11/2003
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Incident Desc:	One (1) 500-gallon heating oil UST
Operator:	Not reported
Contact Phone:	9193829751
Owner Company:	KELLY UMSTEAD
Operator Address:	7 FOXLAIR COURT
Operator City:	DURHAM
Oper City,St,Zip:	DURHAM, NC 27712-
Ownership:	Private
Operation:	Residential
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Not reported

UMSTEAD RESIDENCE (KELLY) (Continued) **S105958854**

Risk Site: I
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: RMR
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: None
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 36.015
Longitude: -78.9025
Latitude Number: 360054
Longitude Number: 785409
Latitude Decimal: 36.015
Longitude Decimal: 78.9025
GPS: 7
Agency: DWM
Facility ID: 26348
Last Modified: 10/14/2004
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-4646
Incident Number: 26348
Contamination Type: Groundwater/Both
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 2003-08-11 00:00:00
Date Occur: 2003-06-12 00:00:00
Cleanup: 2003-06-12 00:00:00
Closure Request: Not reported
Close Out: 2004-10-14 00:00:00
Level Of Soil Cleanup Achieved: Residential
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: I
Risk Class Based On Review: L
Corrective Action Plan Type: EN
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported

UMSTEAD RESIDENCE (KELLY) (Continued) **S105958854**

Phase Of LSA Req:	1
Site Risk Reason:	Gross contaminant levels
Land Use:	Residential
MTBE:	No
MTBE1:	No
Flag:	No
Flag1:	No
LUR Filed:	2004-08-25 00:00:00
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Cleanups to alternate standards
PETOPT:	4
RPL:	False
CD Num:	308
Reel Num:	206
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	360054 785409
Lat/Long Decimal:	0 0
Testlat:	Not reported
Regional Officer Project Mgr:	RMR
Region:	Raleigh
Company:	KELLY UMSTEAD
Contact Person:	Not reported
Telephone:	9193829751
RP Address:	7 FOXLAIR COURT
RP City,St,Zip:	DURHAM, NC 27712-
RP County:	Not reported
Comments:	pending arch
5 Min Quad:	Not reported

PIRF:

Facility Id:	26348
Date Occurred:	2003-06-12 00:00:00
Date Reported:	2003-08-11 00:00:00
Description Of Incident:	One (1) 500-gallon heating oil UST
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	5
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
Ust Number:	C

UMSTEAD RESIDENCE (KELLY) (Continued) **S105958854**

Last Modified:	2004-10-14 00:00:00
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	26348
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

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75 SSW 1/2-1 0.553 mi. 2919 ft. **EAKES CLEANERS (FORMER)** **SHWS** **S108930359**
827 W MORGAN ST **N/A**
DURHAM, NC

Relative: Higher
Actual: 378 ft.

SHWS:

Facility ID:	NONCD0001192
Facility Type:	Inactive Hazardous Sites and Pollutant-Only Sites
Lat/Longitude:	Not reported
Geolocation Method:	Not reported

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76 SSW 1/2-1 0.646 mi. 3412 ft. **LIGGETT AND MYERS COMPANY** **SHWS** **S103554444**
700 W MAIN ST **N/A**
DURHAM, NC

Relative: Higher
Actual: 390 ft.

SHWS:

Facility ID:	NCD097724009
Facility Type:	Sites Requiring No Further Action
Lat/Longitude:	Not reported
Geolocation Method:	Not reported

77 SSE 1/2-1 0.854 mi. 4507 ft. | **CLEVELAND STREET**
400 CLEVELAND STREET
DURHAM, NC | **SHWS** **S106022534**
IMD **N/A**
LAST

Relative: Higher

Actual: 413 ft.

SHWS:
Facility ID: NONCD0001514
Facility Type: Inactive Hazardous Sites and Pollutant-Only Sites
Lat/Longitude: Not reported
Geolocation Method: Not reported

IMD:
Region: RAL
Facility ID: 86719
Date Occurred: 11/27/2000
Submit Date: 9/8/2004
GW Contam: Yes, Groundwater Contamination has been detected
Soil Contam: Not reported
Incident Desc: TCE DETECTED IN GROUNDWATER AT 10 UG/L. SOURCE IS UNKNOWN.
Operator: ,
Contact Phone: Not reported
Owner Company: UNKNOWN
Operator Address: Not reported
Operator City: Not reported
Oper City,St,Zip: NC
Ownership: Not Reported
Operation: Not Reported
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Unknown
Type: Other inorganics
Location: Not reported
Setting: Not reported
Risk Site: Not reported
Site Priority: 65
Priority Code: E
Priority Update: Not reported
Dem Contact: ERIC RICE
Wells Affected: No
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 35.979444
Longitude: -78.897777
Latitude Number: Not reported
Longitude Number: Not reported
Latitude Decimal: Not reported
Longitude Decimal: Not reported
GPS: EST
Agency: DWQ
Facility ID: 86719
Last Modified: 9/8/2004
Incident Phase: Assessment
NOV Issued: Not reported

CLEVELAND STREET (Continued) **S106022534**

NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LAST:
Facility ID: Not reported
UST Number: RA-86719
Incident Number: 86719
Contamination Type: GW
Source Type: 1
Product Type: N
Date Reported: Not reported
Date Occur: Not reported
Cleanup: Not reported
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Not reported
Of Supply Wells: 0
Commercial/NonCommercial UST Site: Not reported
Risk Classification: Not reported
Risk Class Based On Review: U
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: 65
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: C
RBCA GW: Not reported
PETOPT: Not reported
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: Not reported
Valid: False
Lat/Long: 35.979444 -78.897777
Lat/Long Decimal: 35.979444000000001 78.897777000000005
Testlat: Not reported
Regional Officer Project Mgr: Not reported

CLEVELAND STREET (Continued) **S106022534**

Region:	RAL
Company:	UNKNOWN
Contact Person:	Not reported
Telephone:	Not reported
RP Address:	Not reported
RP City,St,Zip:	NC
RP County:	Not reported
Comments:	TCE DETECTED IN GROUNDWATER AT 10 UG/L. SOURCE IS UNKNOWN.
5 Min Quad:	Not reported

78
South
1/2-1
0.937 mi.
4946 ft.

DURHAM PUBLIC SERVICE CO PROP (FORMER) **SHWS** **S109367200**
309 BLACKWELL ST **N/A**
DURHAM, NC

Relative:
Higher

Actual:
377 ft.

SHWS:

Facility ID:	NONCD0002858
Facility Type:	Inactive Hazardous Sites and Pollutant-Only Sites
Lat/Longitude:	Not reported
Geolocation Method:	Not reported

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BLUEFIELD	1000460158	FLOWERS BAKING CO OF WEST VIRGINIA	RTE 52N	27701	FINDS,RCRA-NLR
DURHAM	1004376295	DUKE HOMESTEAD HISTORIC SITE	DUKE HOMESTEAD ROAD		LUST TRUST
DURHAM	1004744478	NORTHROP ENVIRONMENTAL RESEARCH LA	OLD HWY 70	27704	FINDS,RCRA-NLR
DURHAM	1004745256	DUKE HOMESTEAD	DUKE HOMESTEAD RD	27705	FINDS,RCRA-CESQG
DURHAM	1004745598	REDWOOD BODY SHOP	RT 5 BOX 684	27704	FINDS,RCRA-CESQG
DURHAM	1007711813	TRIANGLE CARE CENTER INCORPORATED	RT 1 BOX 176	27705	FINDS
DURHAM	1007722161	BETHESDA SHOPPING CENTER	OLD HIGHWAY 70	27701	FINDS
DURHAM	1010786716	BULL CITY RADIATOR & AUTO SERVICE	4918 US HWY 70W	27705	RCRA-NLR
DURHAM	1012301502	DUKE SCHOOL	3716 OLD ERWIN ROAD	27705	FINDS
DURHAM	2000528426	TRI CENTER SOUTH 14	TRI CENTER SOUTH 14	0	ERNS
DURHAM	S105217866	PANTRY #3163	HWY 54 & ALSTON AVE.		LUST TRUST
DURHAM	S105218090	CIRCLE K #08205	HWY 54/BLANCHARD DR		LUST TRUST
DURHAM	S105218324	HEARTLAND	HWY 55 & NCSR 1630		LUST TRUST
DURHAM	S105895443	GTE - HWY 54	HWY 54 & ALSTON AVE		IMD,LUST
DURHAM	S105895771	GTE CO. 0-016473	HWY 54 AND ALSTON AVENUE		IMD,LUST
DURHAM	S105895812	WEST BROTHERS TRANSFER	HWY 70 WEST		IMD,LUST
DURHAM	S106349217	CIRCLE K STORE # 2706312	109 WEST NC HWY. 54		IMD
DURHAM	S106349229	CIRCLE K STORE # 2706330	3308 N.C. HWY. 55		IMD,LUST
DURHAM	S107998598	BLUE CROSS BLUE SHIELD (DURHAM	HIGHWAY 15-501		IMD
DURHAM	S109015403	BLUE CROSS BLUE SHIELD (DURHAM SER	HIGHWAY 15-501		HWS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 03/31/2011
Date Data Arrived at EDR: 04/13/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 07/12/2011
Next Scheduled EDR Contact: 10/24/2011
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites
A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/31/2011
Date Data Arrived at EDR: 04/13/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 07/12/2011
Next Scheduled EDR Contact: 10/24/2011
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens
Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 05/16/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

DELISTED NPL: National Priority List Deletions
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 03/31/2011
Date Data Arrived at EDR: 04/13/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 62

Source: EPA
Telephone: N/A
Last EDR Contact: 07/12/2011
Next Scheduled EDR Contact: 10/24/2011
Data Release Frequency: Quarterly

Federal CERCLIS list

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/25/2011
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 06/14/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing
A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPAa??s Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 12/10/2010
Date Data Arrived at EDR: 01/11/2011
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 07/15/2011
Next Scheduled EDR Contact: 10/24/2011
Data Release Frequency: Varies

Federal CERCLIS NFRAP site List

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/25/2011
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 06/14/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/09/2011
Date Data Arrived at EDR: 03/15/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 91

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/16/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 07/07/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 07/07/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 07/07/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 07/07/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List
A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/16/2011
Date Data Arrived at EDR: 03/25/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/13/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls
A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/16/2011
Date Data Arrived at EDR: 03/25/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 81

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 06/13/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 04/05/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 70

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 07/05/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Annually

State- and tribal - equivalent NPL

HSDS: Hazardous Substance Disposal Site
Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 04/06/2006
Date Data Arrived at EDR: 02/28/2007
Date Made Active in Reports: 04/13/2007
Number of Days to Update: 44

Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-754-6580
Last EDR Contact: 05/10/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Biennially

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Sites Inventory
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 04/08/2011
Date Data Arrived at EDR: 04/13/2011
Date Made Active in Reports: 05/12/2011
Number of Days to Update: 29

Source: Department of Environment, Health and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 06/20/2011
Next Scheduled EDR Contact: 10/03/2011
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: List of Solid Waste Facilities
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 04/05/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/04/2011
Number of Days to Update: 29

Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 07/05/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Semi-Annually

OLI: Old Landfill Inventory
Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 04/08/2011
Date Data Arrived at EDR: 04/29/2011
Date Made Active in Reports: 06/07/2011
Number of Days to Update: 39

Source: Department of Environment & Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 07/12/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

State and tribal leaking storage tank lists

LUST: Regional UST Database
This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 05/12/2011
Date Data Arrived at EDR: 05/18/2011
Date Made Active in Reports: 06/16/2011
Number of Days to Update: 29

Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
Last EDR Contact: 05/18/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Quarterly

LUST TRUST: State Trust Fund Database
This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 04/15/2011
Date Data Arrived at EDR: 04/20/2011
Date Made Active in Reports: 06/16/2011
Number of Days to Update: 57

Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
Last EDR Contact: 04/20/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Semi-Annually

LAST: Leaking Aboveground Storage Tanks
A listing of leaking aboveground storage tank site locations.

Date of Government Version: 05/12/2011
Date Data Arrived at EDR: 05/18/2011
Date Made Active in Reports: 06/16/2011
Number of Days to Update: 29

Source: Department of Environment & Natural Resources
Telephone: 877-623-6748
Last EDR Contact: 05/18/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 01/31/2011
Date Data Arrived at EDR: 02/01/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 48

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 03/03/2011
Date Data Arrived at EDR: 03/18/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 45

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Semi-Annually

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/17/2011
Date Data Arrived at EDR: 05/19/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 26

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Quarterly

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 05/20/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/03/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 11/04/2009
Date Data Arrived at EDR: 05/04/2010
Date Made Active in Reports: 07/07/2010
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/04/2010
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/16/2011
Date Data Arrived at EDR: 05/17/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 28

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UST: Petroleum Underground Storage Tank Database
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 05/12/2011
Date Data Arrived at EDR: 05/18/2011
Date Made Active in Reports: 06/16/2011
Number of Days to Update: 29

Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
Last EDR Contact: 05/18/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Quarterly

AST: AST Database
Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 03/28/2011
Date Data Arrived at EDR: 03/30/2011
Date Made Active in Reports: 05/03/2011
Number of Days to Update: 34

Source: Department of Environment and Natural Resources
Telephone: 919-715-6183
Last EDR Contact: 06/27/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: Semi-Annually

INDIAN UST R8: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 05/16/2011
Date Data Arrived at EDR: 05/17/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 28

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/01/2011
Date Data Arrived at EDR: 06/01/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 13

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 02/03/2011
Next Scheduled EDR Contact: 05/16/2011
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 05/04/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 41

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/03/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 05/18/2011
Date Data Arrived at EDR: 05/26/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 19

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 03/03/2011
Date Data Arrived at EDR: 03/18/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 45

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 05/17/2011
Date Data Arrived at EDR: 05/19/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 26

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Quarterly

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 01/01/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 68

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring
A land use restricted site is a property where there are limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site.

Date of Government Version: 04/08/2011
Date Data Arrived at EDR: 04/13/2011
Date Made Active in Reports: 05/04/2011
Number of Days to Update: 21

Source: Department of Environment, Health and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 12/17/2110
Next Scheduled EDR Contact: 10/03/2011
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 02/25/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 70

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 07/05/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Responsible Party Voluntary Action Sites
Responsible Party Voluntary Action site locations.

Date of Government Version: 04/08/2011
Date Data Arrived at EDR: 04/13/2011
Date Made Active in Reports: 05/04/2011
Number of Days to Update: 21

Source: Department of Environment and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 06/20/2011
Next Scheduled EDR Contact: 10/03/2011
Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Projects Inventory
A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liabitliy control.

Date of Government Version: 09/30/2010
Date Data Arrived at EDR: 04/15/2011
Date Made Active in Reports: 05/04/2011
Number of Days to Update: 19

Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 07/15/2011
Next Scheduled EDR Contact: 10/24/2011
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 03/29/2011
Date Data Arrived at EDR: 03/29/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/27/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 06/27/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: No Update Planned

HIST LF: Solid Waste Facility Listing
A listing of solid waste facilities.

Date of Government Version: 11/06/2006
Date Data Arrived at EDR: 02/13/2007
Date Made Active in Reports: 03/02/2007
Number of Days to Update: 17

Source: Department of Environment & Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 01/19/2009
Next Scheduled EDR Contact: 04/19/2009
Data Release Frequency: Quarterly

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 05/09/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/02/2011
Date Data Arrived at EDR: 03/17/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 46

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 06/07/2011
Next Scheduled EDR Contact: 09/19/2011
Data Release Frequency: Quarterly

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 02/04/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 07/11/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 01/05/2011
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 51

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 07/05/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Annually

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/11/2011
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 27

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 07/07/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/12/2011
Date Data Arrived at EDR: 02/11/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/11/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Varies

DOD: Department of Defense Sites
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/21/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/14/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 04/05/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 70

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

ROD: Records Of Decision
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/25/2011
Date Data Arrived at EDR: 03/16/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 5

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/15/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/21/2010
Date Made Active in Reports: 01/28/2011
Number of Days to Update: 99

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 06/02/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/08/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/08/2011
Next Scheduled EDR Contact: 09/19/2011
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/17/2010
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 94

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/27/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/30/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: Every 4 Years

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 05/27/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 05/27/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 05/02/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/07/2011
Date Data Arrived at EDR: 01/21/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 59

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 06/27/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/22/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/18/2010
Date Data Arrived at EDR: 04/06/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 51

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 06/13/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/11/2011
Date Data Arrived at EDR: 01/13/2011
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/12/2011
Next Scheduled EDR Contact: 10/24/2011
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/14/2010
Date Data Arrived at EDR: 04/16/2010
Date Made Active in Reports: 05/27/2010
Number of Days to Update: 41

Source: EPA
Telephone: (404) 562-9900
Last EDR Contact: 06/14/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/27/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IMD: Incident Management Database
Groundwater and/or soil contamination incidents

Date of Government Version: 07/21/2006
Date Data Arrived at EDR: 08/01/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 22

Source: Department of Environment and Natural Resources
Telephone: 919-733-3221
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Quarterly

UIC: Underground Injection Wells Listing
A listing of uncerground injection wells locations.

Date of Government Version: 05/31/2011
Date Data Arrived at EDR: 05/31/2011
Date Made Active in Reports: 06/23/2011
Number of Days to Update: 23

Source: Department of Environment & Natural Resources
Telephone: 919-733-3221
Last EDR Contact: 05/31/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Sites
Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 01/20/2011
Date Data Arrived at EDR: 03/30/2011
Date Made Active in Reports: 04/28/2011
Number of Days to Update: 29

Source: Department of Environment & Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 06/29/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: Varies

NPDES: NPDES Facility Location Listing
General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 05/12/2011
Date Data Arrived at EDR: 05/13/2011
Date Made Active in Reports: 06/16/2011
Number of Days to Update: 34

Source: Department of Environment & Natural Resources
Telephone: 919-733-7015
Last EDR Contact: 05/09/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/21/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing
The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 06/06/2011
Next Scheduled EDR Contact: 08/08/2011
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 05/05/2011
Next Scheduled EDR Contact: 08/15/2011
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/21/2011
Next Scheduled EDR Contact: 08/01/2011
Data Release Frequency: N/A

FINANCIAL ASSURANCE 1: Financial Assurance Information Listing
A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/12/2011
Date Data Arrived at EDR: 05/18/2011
Date Made Active in Reports: 06/16/2011
Number of Days to Update: 29

Source: Department of Environment & Natural Resources
Telephone: 919-733-1322
Last EDR Contact: 05/18/2011
Next Scheduled EDR Contact: 08/29/2011
Data Release Frequency: Quarterly

FINANCIAL ASSURANCE 3: Financial Assurance Information
Hazardous waste financial assurance information.

Date of Government Version: 03/24/2011
Date Data Arrived at EDR: 03/30/2011
Date Made Active in Reports: 05/04/2011
Number of Days to Update: 35

Source: Department of Environment & Natural Resources
Telephone: 919-508-8549
Last EDR Contact: 07/05/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/14/2011
Next Scheduled EDR Contact: 09/26/2011
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites
A listing of coal combustion products distribution permits issued by the Division for the treatment, storage, transportation, use and disposal of coal combustion products.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/04/2009
Date Made Active in Reports: 08/17/2009
Number of Days to Update: 13

Source: Department of Environment & Natural Resources
Telephone: 919-807-6359
Last EDR Contact: 05/09/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Varies

FINANCIAL ASSURANCE 2: Financial Assurance Information Listing
Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 05/04/2011
Date Data Arrived at EDR: 05/05/2011
Date Made Active in Reports: 06/16/2011
Number of Days to Update: 42

Source: Department of Environmental & Natural Resources
Telephone: 919-508-8496
Last EDR Contact: 07/05/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: Varies

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/26/2009
Date Made Active in Reports: 09/11/2009
Number of Days to Update: 16

Source: Department of Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/26/2011
Next Scheduled EDR Contact: 09/05/2011
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/22/2010
Date Made Active in Reports: 08/26/2010
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/20/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data
Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 05/12/2011
Date Made Active in Reports: 05/24/2011
Number of Days to Update: 12

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/12/2011
Next Scheduled EDR Contact: 08/22/2011
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 12/01/2009
Date Made Active in Reports: 12/14/2009
Number of Days to Update: 13

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/15/2011
Next Scheduled EDR Contact: 10/10/2011
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 06/24/2011
Date Made Active in Reports: 06/30/2011
Number of Days to Update: 6

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/31/2011
Next Scheduled EDR Contact: 09/12/2011
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 07/06/2010
Date Made Active in Reports: 07/26/2010
Number of Days to Update: 20

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/20/2011
Next Scheduled EDR Contact: 10/03/2011
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Child Care Facility List
Source: Department of Health & Human Services
Telephone: 919-662-4499

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Environment & Natural Resources
Telephone: 919-733-2090

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

DUKE DIET AND FITNESS CENTER
808 WEST TRINITY AVENUE
DURHAM, NC 27701

TARGET PROPERTY COORDINATES

Latitude (North):	36.00770 - 36˚ 0' 27.7"
Longitude (West):	78.9035 - 78˚ 54' 12.6"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	688951.8
UTM Y (Meters):	3986634.8
Elevation:	319 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	36078-A8 NORTHWEST DURHAM, NC
Most Recent Revision:	1993
South Map:	35078-H8 SOUTHWEST DURHAM, NC
Most Recent Revision:	1993

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

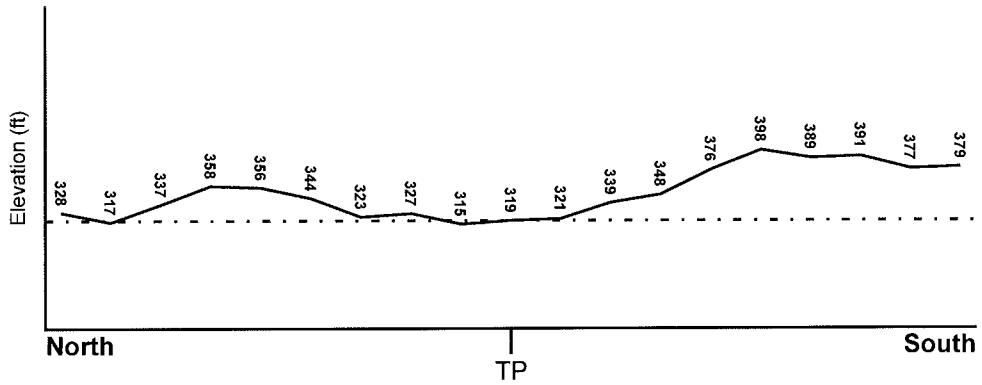
TOPOGRAPHIC INFORMATION

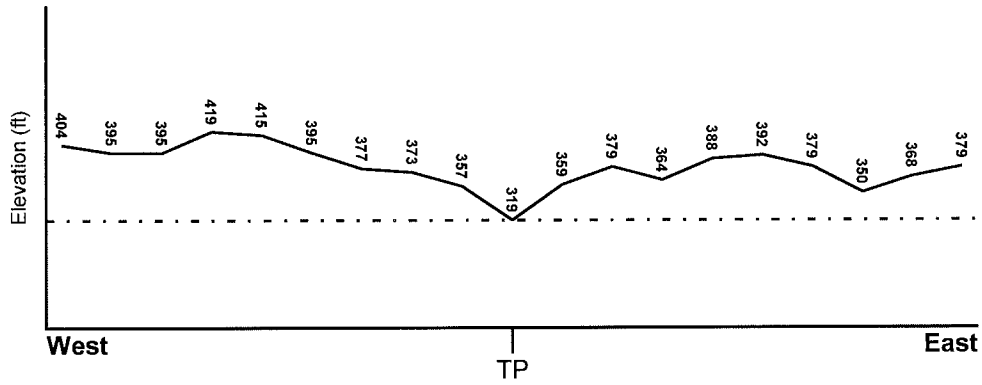
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 319 ft.

0 1/2 1 Miles

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
DURHAM, NC	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 37063C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
NORTHWEST DURHAM	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
1	1/4 - 1/2 Mile SSE	SE
2	1/4 - 1/2 Mile North	SE
3	1/4 - 1/2 Mile West	Not Reported
4	1/2 - 1 Mile SSW	SW, West
5	1/2 - 1 Mile SE	Not Reported
A6	1/2 - 1 Mile SW	E
A7	1/2 - 1 Mile SW	ESE
8	1/2 - 1 Mile SSW	Not Reported
9	1/2 - 1 Mile SE	Not Reported
B10	1/2 - 1 Mile South	E
B11	1/2 - 1 Mile South	NNW
C12	1/2 - 1 Mile SW	SE
13	1/2 - 1 Mile SSE	W
D14	1/2 - 1 Mile NNW	NE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
C15	1/2 - 1 Mile SW	E
D16	1/2 - 1 Mile NNW	E
17	1/2 - 1 Mile South	SW
18	1/2 - 1 Mile NW	ENE
19	1/2 - 1 Mile SSW	NE
20	1/2 - 1 Mile South	NE
21	1/2 - 1 Mile South	Not Reported
22	1/2 - 1 Mile NW	Not Reported
23	1/2 - 1 Mile West	Not Reported
24	1/2 - 1 Mile South	SW
25	1/2 - 1 Mile NE	Not Reported
26	1/2 - 1 Mile West	Not Reported
27	1/2 - 1 Mile SW	Not Reported
E28	1/2 - 1 Mile SSE	Not Reported
30	1/2 - 1 Mile West	NE

For additional site information, refer to Physical Setting Source Map Findings.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Mesozoic
System:	Triassic
Series:	Triassic
Code:	Tr *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	URBAN LAND
Soil Surface Texture:	variable
Hydrologic Group:	Not reported
Soil Drainage Class:	Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	Not Reported
Depth to Bedrock Min:	> 10 inches
Depth to Bedrock Max:	> 10 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam

Surficial Soil Types: silt loam

Shallow Soil Types: silt loam
sandy clay loam
silty clay loam

Deeper Soil Types: unweathered bedrock
loamy sand

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

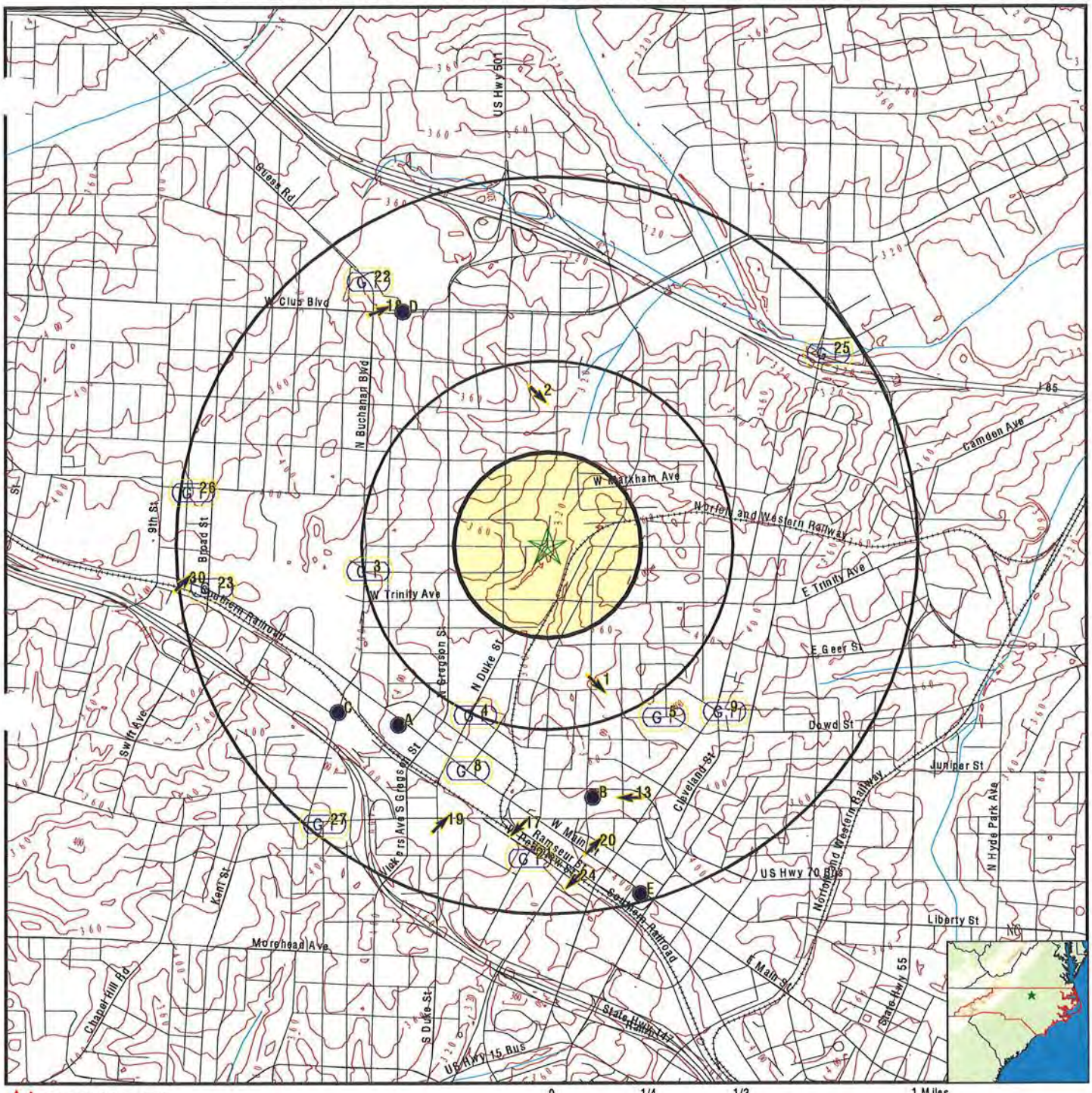
MAP ID	WELL ID	LOCATION FROM TP
E29	NC0273429	1/2 - 1 Mile SSE

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3128960.2s



County Boundary
Major Roads
Contour Lines
Earthquake epicenter, Richter 5 or greater
Water Wells
Public Water Supply Wells
Cluster of Multiple Icons

Groundwater Flow Direction
Indeterminate Groundwater Flow at Location
Groundwater Flow Varies at Location

Wildlife Areas
Natural Areas
Rare & Endangered Species

0 1/4 1/2 1 Miles

SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham NC 27701 LAT/LONG: 36.0077 / 78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY #: 3128960.2s DATE: July 21, 2011 2:15 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
1 **SSE** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	3851 SE Not Reported Not Reported 10 Not Reported Not Reported Not Reported 09/29/1992	**AQUIFLOW**	**30873**
2 **North** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	15073 SE Not Reported Not Reported Not Reported Not Reported Not Reported 7.0 01/09/1996	**AQUIFLOW**	**40657**
3 **West** **1/4 - 1/2 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	16191 Not Reported 5.0 8.0 Not Reported Not Reported Not Reported Not Reported 07/29/1996	**AQUIFLOW**	**40650**
4 **SSW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	5360 SW, West 5.5 15.57 Not Reported Not Reported Not Reported Not Reported 06/17/1996	**AQUIFLOW**	**30851**
5 **SE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	15960 Not Reported Not Reported Not Reported Not Reported 15.5 30.0 Not Reported 02/09/1994	**AQUIFLOW**	**30935**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
A6 **SW** **1/2 - 1 Mile** **Higher**	Site ID:	6708	**AQUIFLOW**	**30806**
	Groundwater Flow:	E		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	Not Reported		
	Depth to rock - shallowest:	Not Reported		
	Depth to rock - deepest:	Not Reported		
	Depth to rock - average:	Not Reported		
	Date:	07/15/1996		
A7 **SW** **1/2 - 1 Mile** **Higher**	Site ID:	3561	**AQUIFLOW**	**30794**
	Groundwater Flow:	ESE		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	Not Reported		
	Depth to rock - shallowest:	Not Reported		
	Depth to rock - deepest:	Not Reported		
	Depth to rock - average:	Not Reported		
	Date:	09/20/1995		
8 **SSW** **1/2 - 1 Mile** **Higher**	Site ID:	9289	**AQUIFLOW**	**30914**
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	5.5		
	Deepest Water Table Depth:	15.57		
	Average Water Table Depth:	Not Reported		
	Depth to rock - shallowest:	Not Reported		
	Depth to rock - deepest:	Not Reported		
	Depth to rock - average:	Not Reported		
	Date:	06/17/1996		
9 **SE** **1/2 - 1 Mile** **Higher**	Site ID:	15352	**AQUIFLOW**	**30953**
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	9.0		
	Deepest Water Table Depth:	13.0		
	Average Water Table Depth:	Not Reported		
	Depth to rock - shallowest:	Not Reported		
	Depth to rock - deepest:	Not Reported		
	Depth to rock - average:	Not Reported		
	Date:	09/26/1994		
B10 **South** **1/2 - 1 Mile** **Higher**	Site ID:	5822	**AQUIFLOW**	**30829**
	Groundwater Flow:	E		
	Shallowest Water Table Depth:	7.28		
	Deepest Water Table Depth:	21.11		
	Average Water Table Depth:	Not Reported		
	Depth to rock - shallowest:	Not Reported		
	Depth to rock - deepest:	Not Reported		
	Depth to rock - average:	Not Reported		
	Date:	07/17/1996		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
B11 **South** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	3562 NNW Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported 12/1987	**AQUIFLOW**	**30791**
C12 **SW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	6681 SE Not Reported Not Reported Not Reported Not Reported Not Reported Not Reported 07/17/1991	**AQUIFLOW**	**30810**
13 **SSE** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	10571 W 7.0 19.0 Not Reported Not Reported Not Reported Not Reported 10/07/1993	**AQUIFLOW**	**40059**
D14 **NNW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	11348 NE 20.5 29.45 Not Reported Not Reported Not Reported Not Reported 12/08/1993	**AQUIFLOW**	**30905**
C15 **SW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	6893 E 5.75 12.32 Not Reported Not Reported Not Reported Not Reported 03/1996	**AQUIFLOW**	**30807**

Map ID Direction Distance Elevation			Database	EDR ID Number
D16 **NNW** **1/2 - 1 Mile** **Higher**	Site ID:	15968	**AQUIFLOW**	**30944**
	Groundwater Flow:	E		
	Shallowest Water Table Depth:	19.0		
	Deepest Water Table Depth:	21.0		
	Average Water Table Depth:	Not Reported		
	Depth to rock - shallowest:	9.0		
	Depth to rock - deepest:	25.0		
	Depth to rock - average:	Not Reported		
	Date:	12/1994		
17 **South** **1/2 - 1 Mile** **Higher**	Site ID:	14651	**AQUIFLOW**	**30957**
	Groundwater Flow:	SW		
	Shallowest Water Table Depth:	8.0		
	Deepest Water Table Depth:	10.0		
	Average Water Table Depth:	Not Reported		
	Depth to rock - shallowest:	Not Reported		
	Depth to rock - deepest:	Not Reported		
	Depth to rock - average:	14.0		
	Date:	04/17/1995		
18 **NW** **1/2 - 1 Mile** **Higher**	Site ID:	9552	**AQUIFLOW**	**30930**
	Groundwater Flow:	ENE		
	Shallowest Water Table Depth:	13.18		
	Deepest Water Table Depth:	18.40		
	Average Water Table Depth:	18.92		
	Depth to rock - shallowest:	Not Reported		
	Depth to rock - deepest:	Not Reported		
	Depth to rock - average:	Not Reported		
	Date:	04/21/1995		
19 **SSW** **1/2 - 1 Mile** **Higher**	Site ID:	6084	**AQUIFLOW**	**30817**
	Groundwater Flow:	NE		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	Not Reported		
	Depth to rock - shallowest:	Not Reported		
	Depth to rock - deepest:	Not Reported		
	Depth to rock - average:	Not Reported		
	Date:	03/24/1994		
20 **South** **1/2 - 1 Mile** **Higher**	Site ID:	14104	**AQUIFLOW**	**30975**
	Groundwater Flow:	NE		
	Shallowest Water Table Depth:	13.31		
	Deepest Water Table Depth:	21.47		
	Average Water Table Depth:	Not Reported		
	Depth to rock - shallowest:	4.0		
	Depth to rock - deepest:	10.0		
	Depth to rock - average:	Not Reported		
	Date:	05/07/1996		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
21 **South** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	8380 Not Reported 5.79 9.86 Not Reported Not Reported Not Reported 5 12/01/1992	**AQUIFLOW**	**30931**
22 **NW** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	10569 Not Reported 15.18 15.68 Not Reported Not Reported Not Reported Not Reported 08/16/1993	**AQUIFLOW**	**30920**
23 **West** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	6031 Not Reported 5.19 12.05 Not Reported Not Reported Not Reported Not Reported 10/1996	**AQUIFLOW**	**30824**
24 **South** **1/2 - 1 Mile** **Higher**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	7038 SW 8.73 10.60 Not Reported Not Reported Not Reported Not Reported 03/31/1992	**AQUIFLOW**	**30802**
25 **NE** **1/2 - 1 Mile** **Lower**	Site ID: Groundwater Flow: Shallowest Water Table Depth: Deepest Water Table Depth: Average Water Table Depth: Depth to rock - shallowest: Depth to rock - deepest: Depth to rock - average: Date:	4071 Not Reported 3.58 9.62 Not Reported Not Reported Not Reported Not Reported 12/19/1997	**AQUIFLOW**	**30853**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation			Database	EDR ID Number
26 **West** **1/2 - 1 Mile** **Higher**	Site ID:	16365	**AQUIFLOW**	**30933**
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	Not Reported		
	Depth to rock - shallowest:	Not Reported		
	Depth to rock - deepest:	Not Reported		
	Depth to rock - average:	20.0		
	Date:	01/28/1997		
27 **SW** **1/2 - 1 Mile** **Higher**	Site ID:	5882	**AQUIFLOW**	**30827**
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	23		
	Depth to rock - shallowest:	Not Reported		
	Depth to rock - deepest:	Not Reported		
	Depth to rock - average:	Not Reported		
	Date:	09/18/1992		
E28 **SSE** **1/2 - 1 Mile** **Higher**	Site ID:	5460	**AQUIFLOW**	**30850**
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	25.0		
	Depth to rock - shallowest:	Not Reported		
	Depth to rock - deepest:	Not Reported		
	Depth to rock - average:	Not Reported		
	Date:	08/09/1987		

E29
SSE
1/2 - 1 Mile
Higher

FRDS PWS **NC0273429**

PWS ID: NC0273429
Date Initiated: 8006 Date Deactivated: Not Reported
PWS Name: ROXBORO LICENSE RENEWAL CTR
DURHAM, NC 27702

Addressee / Facility: System Owner/Responsible Party
R S MANGUM OR MGR
PO BOX 15580
DURHAM, NC 27702

Addressee / Facility: System Owner/Responsible Party
DOT MOTOR VEHICLES DIV
1110 NEW BERN AVE
RALEIGH, NC 27611

Facility Latitude:	36 21 10	Facility Longitude:	079 03 20
Facility Latitude:	35 59 38	Facility Longitude:	078 53 56
City Served:	DURHAM		
Treatment Class:	Untreated	Population:	00000050

Violations information not reported.

ENFORCEMENT INFORMATION:

System Name:	ROXBORO LICENSE RENEWAL CT		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-11-01 - 1998-11-30		
Violation ID:	99000503		
Enforcement Date:	1998-11-24	Enf. Action:	State Formal NOV Issued
System Name:	ROXBORO LICENSE RENEWAL CT		
Violation Type:	MCL, Monthly (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-11-01 - 1998-11-30		
Violation ID:	99000503		
Enforcement Date:	1998-11-24	Enf. Action:	State Public Notif Requested
System Name:	ROXBORO LICENSE RENEWAL CT		
Violation Type:	Monitoring, Repeat Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-11-01 - 1998-11-30		
Violation ID:	99000504		
Enforcement Date:	1999-01-15	Enf. Action:	State Public Notif Requested
System Name:	ROXBORO LICENSE RENEWAL CT		
Violation Type:	Monitoring, Repeat Major (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1998-11-01 - 1998-11-30		
Violation ID:	99000688		
Enforcement Date:	1999-01-15	Enf. Action:	State Formal NOV Issued

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30
West
1/2 - 1 Mile
Higher

AQUIFLOW **30906**

Site ID:	10971
Groundwater Flow:	NE
Shallowest Water Table Depth:	6.19
Deepest Water Table Depth:	21.70
Average Water Table Depth:	Not Reported
Depth to rock - shallowest:	Not Reported
Depth to rock - deepest:	Not Reported
Depth to rock - average:	Not Reported
Date:	05/23/1997

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NC Radon

Radon Test Results

Num Results	Avg pCi/L	Min pCi/L	Max pCi/L
4	0.85	0.5	1.3

Federal EPA Radon Zone for DURHAM County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for DURHAM COUNTY, NC

Number of sites tested: 10

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.520 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	2.000 pCi/L	67%	33%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetlands Inventory
Source: Department of Environment & Natural Resources
Telephone: 919-733-2090

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

North Carolina Public Water Supply Wells
Source: Department of Environmental Health
Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

NC Natural Areas: Significant Natural Heritage Areas
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A polygon converage identifying sites (terrestrial or aquatic that have particular biodiversity significance. A site's significance may be due to the presenceof rare species, rare or hight quality natural communities, or other important ecological features.

NC Game Lands: Wildlife Resources Commission Game Lands
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

RADON

State Database: NC Radon
Source: Department of Environment & Natural Resources
Telephone: 919-733-4984
Radon Statistical and Non Statiscal Data

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

STREET AND ADDRESS INFORMATION

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Duke Diet and Fitness Center
808 West Trinity Avenue
Durham, NC 27701

Inquiry Number: 3128960.4
July 21, 2011

EDR Historical Topographic Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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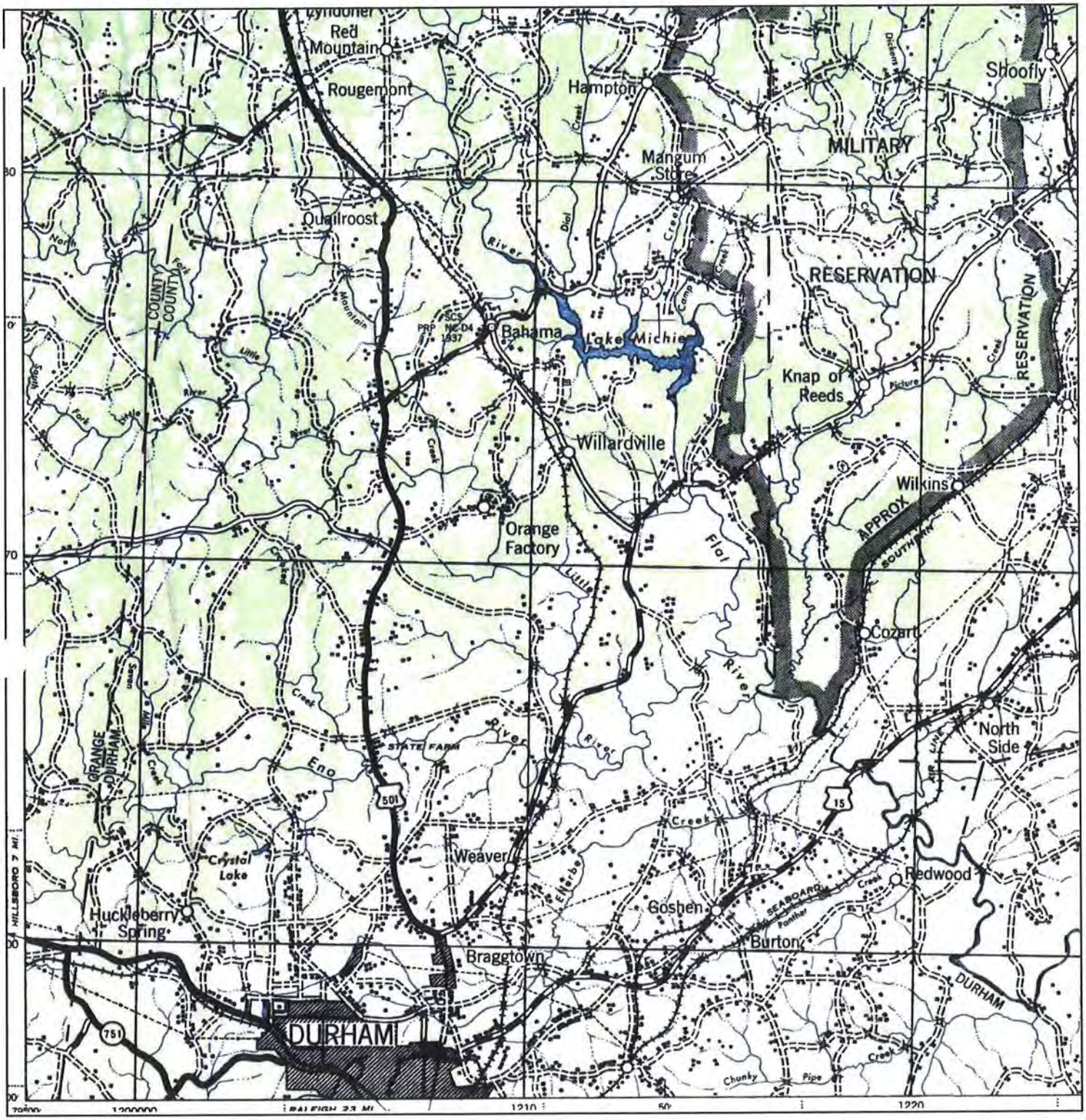
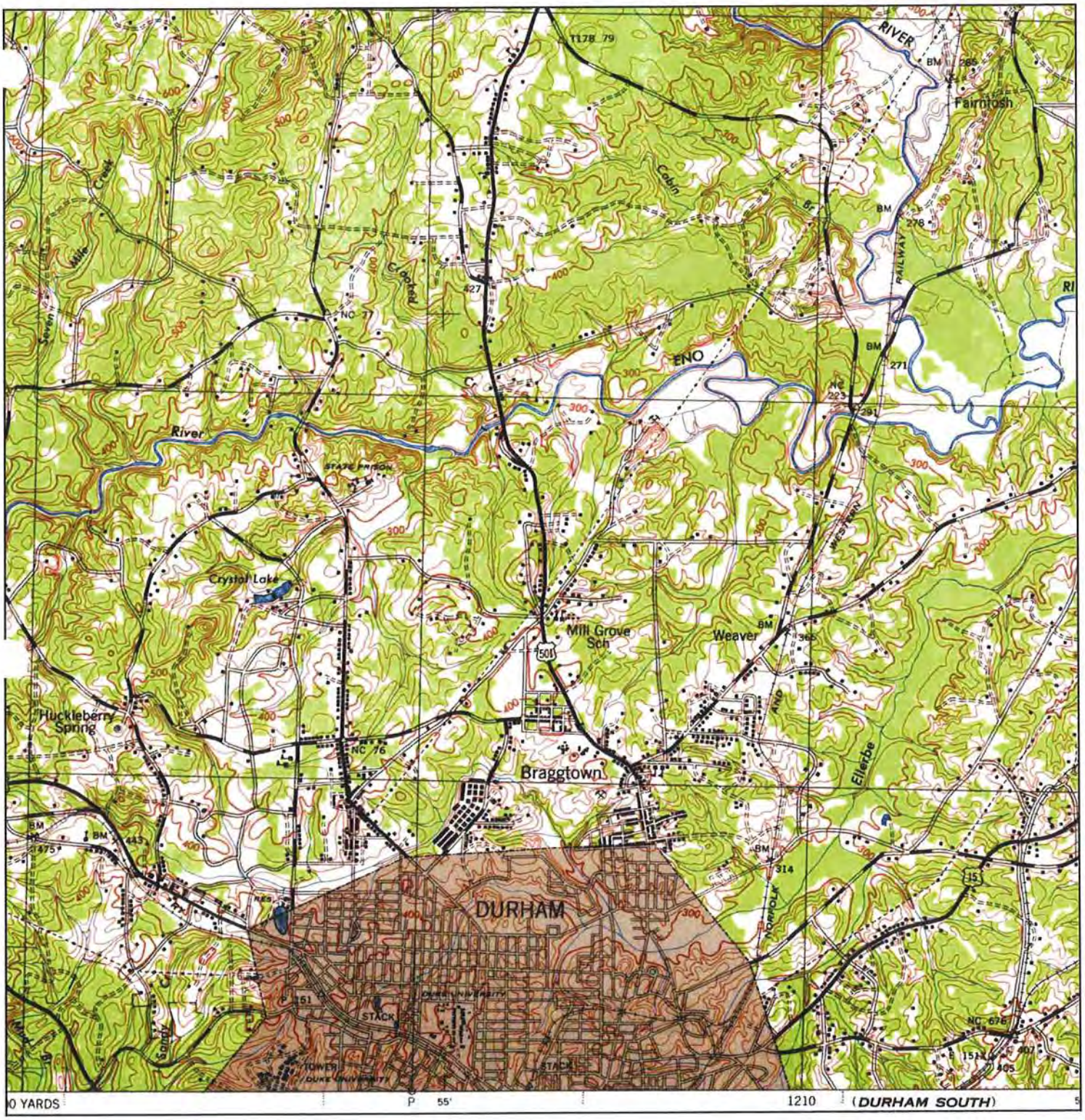
Historical Topographic Map



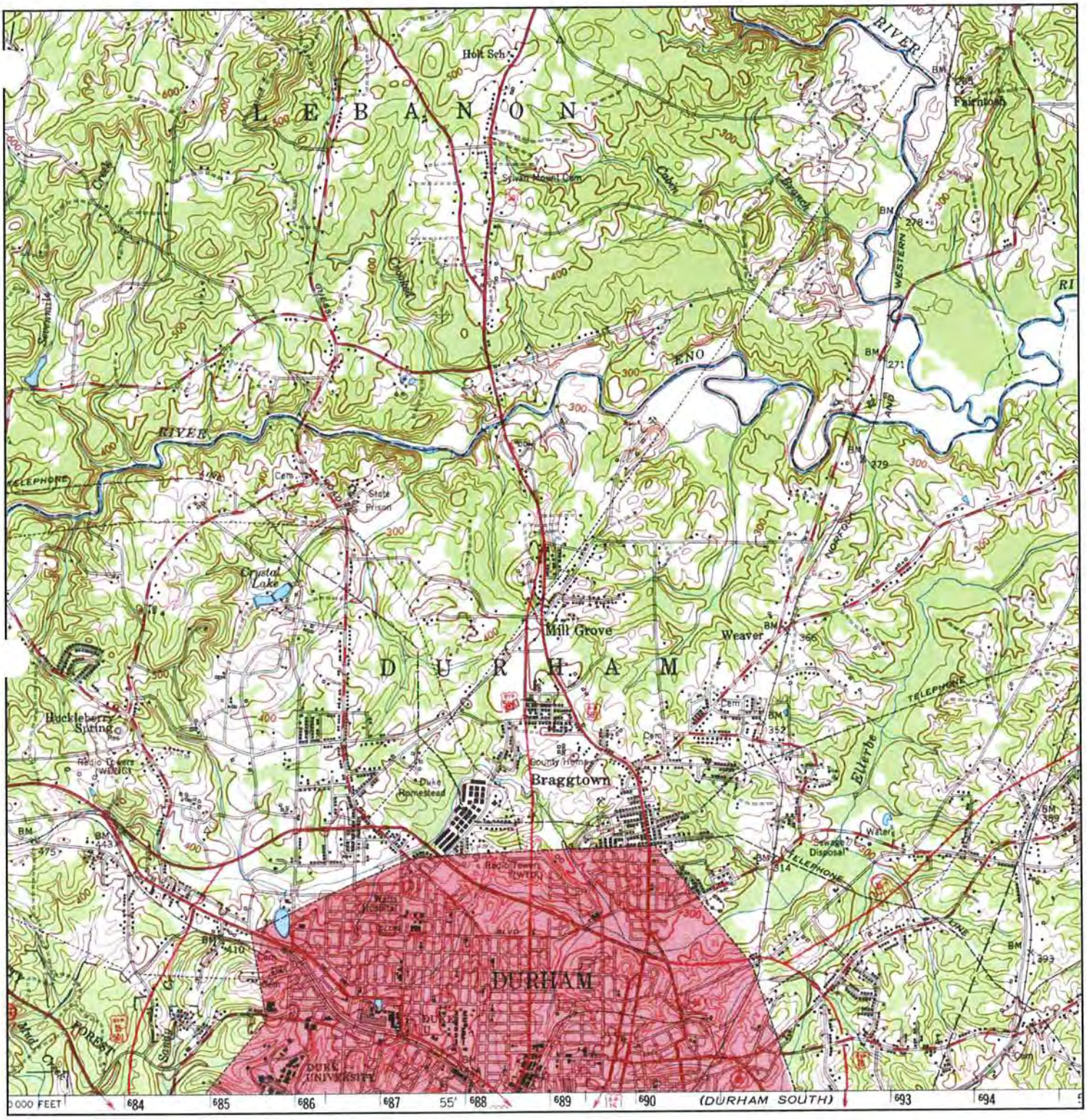
N	TARGET QUAD NAME: DURHAM MAP YEAR: 1944 SERIES: 30 SCALE: 1:125000	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011

Historical Topographic Map



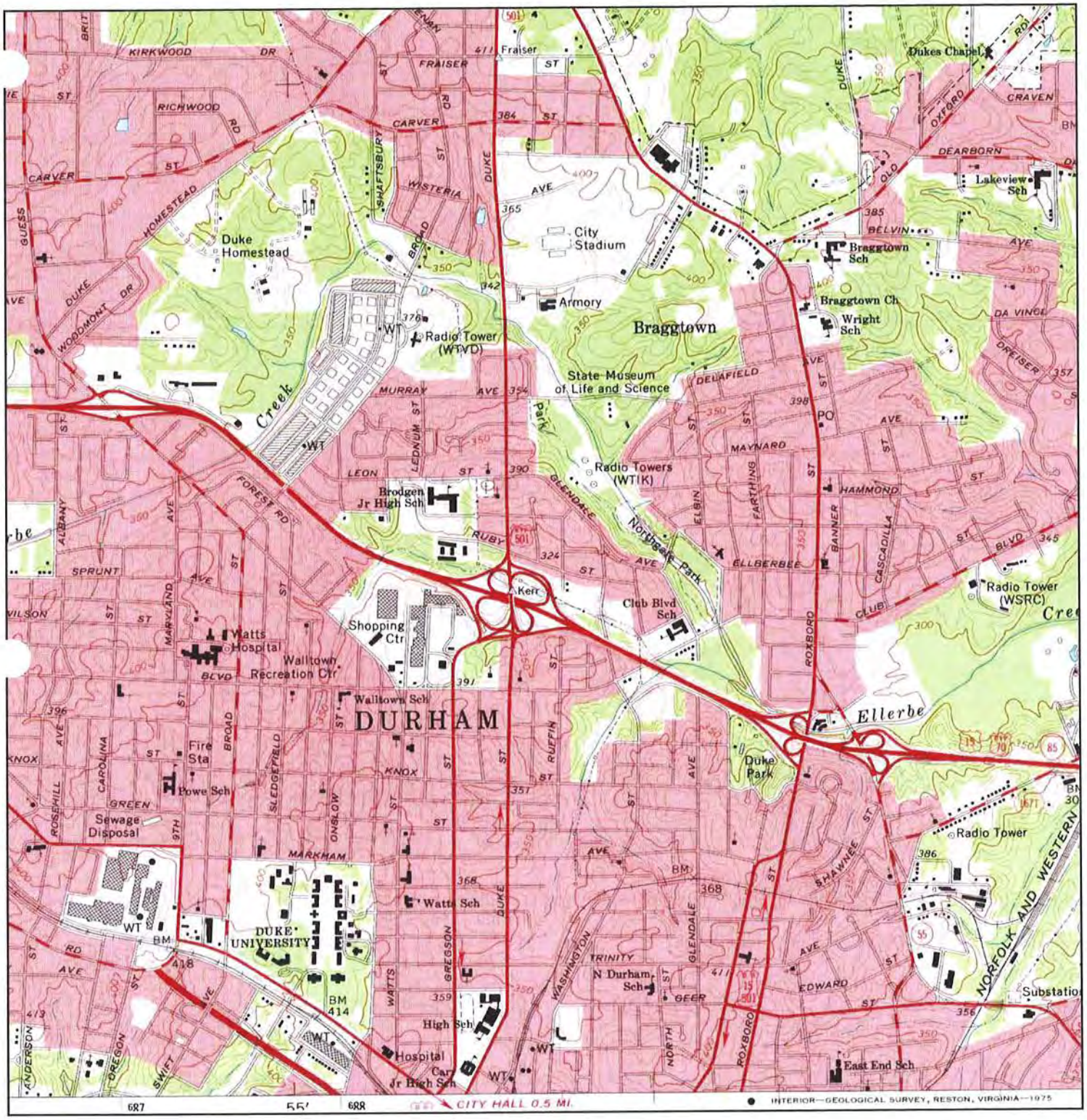
N	TARGET QUAD NAME: DURHAM NORTH MAP YEAR: 1944 SERIES: 15 SCALE: 1:62500	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011

Historical Topographic Map



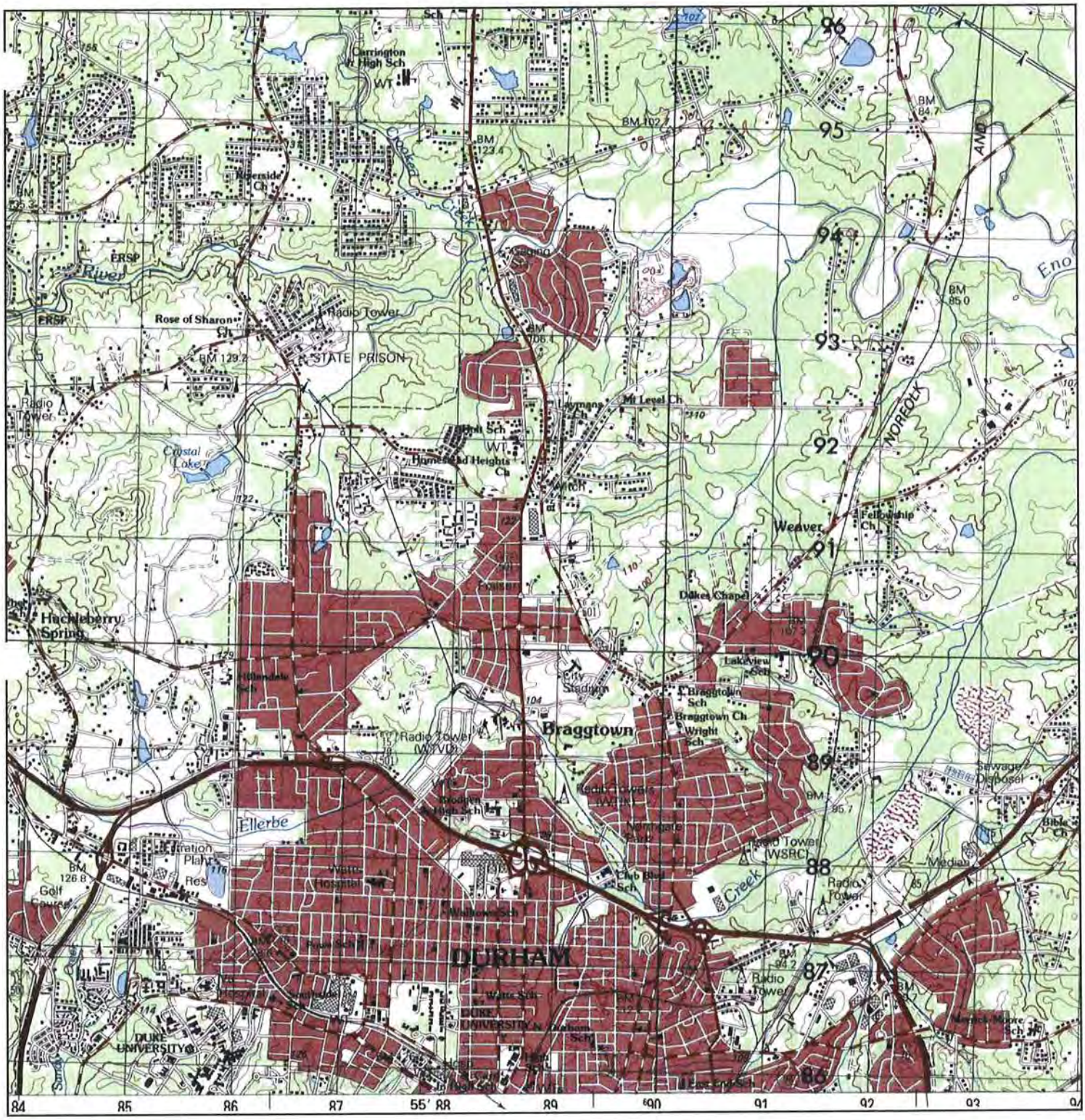
N	TARGET QUAD NAME: DURHAM NORTH MAP YEAR: 1951 SERIES: 15 SCALE: 1:62500	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011

Historical Topographic Map



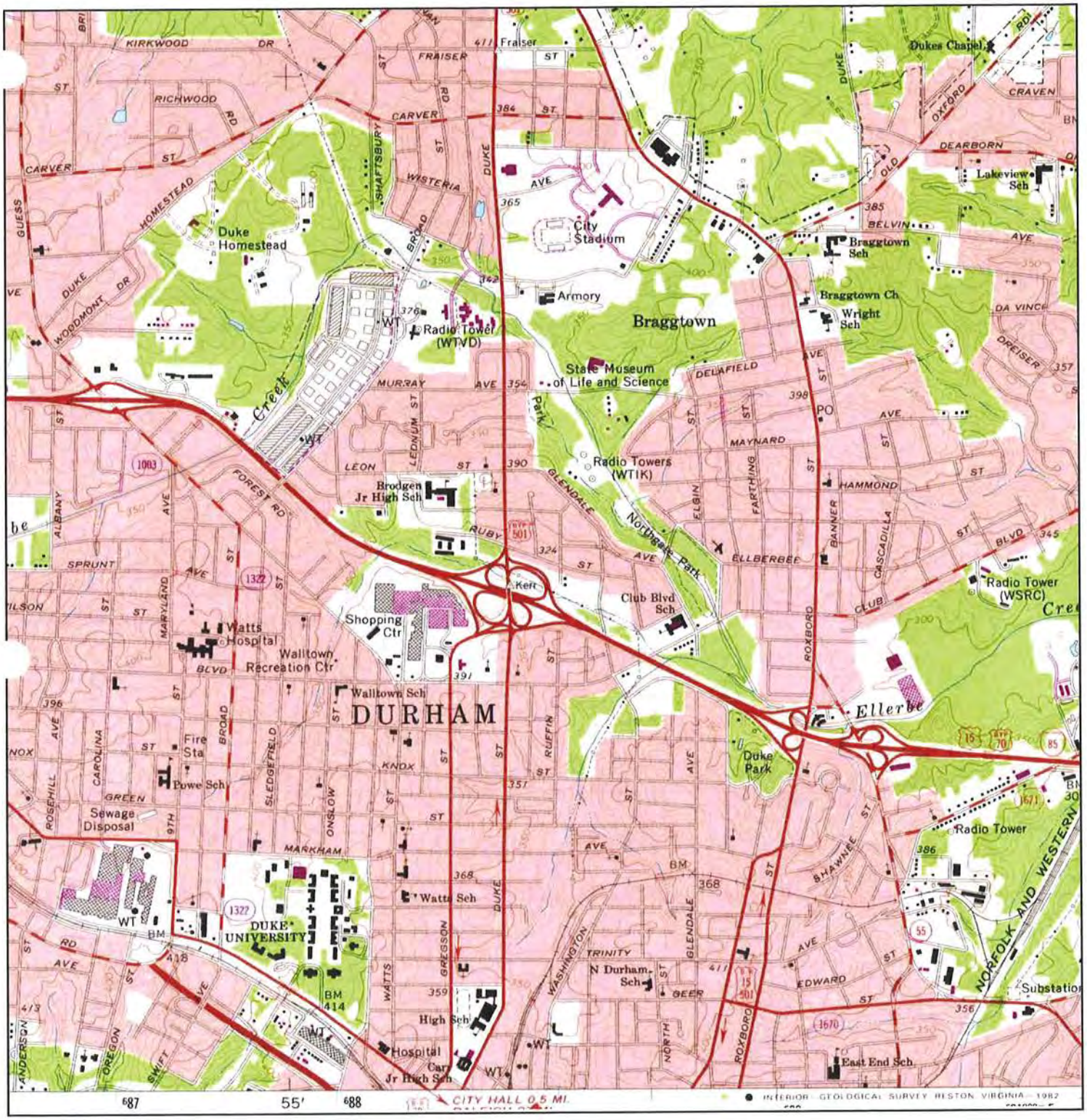
N	TARGET QUAD NAME: NORTHWEST DURHAM MAP YEAR: 1973 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011

Historical Topographic Map



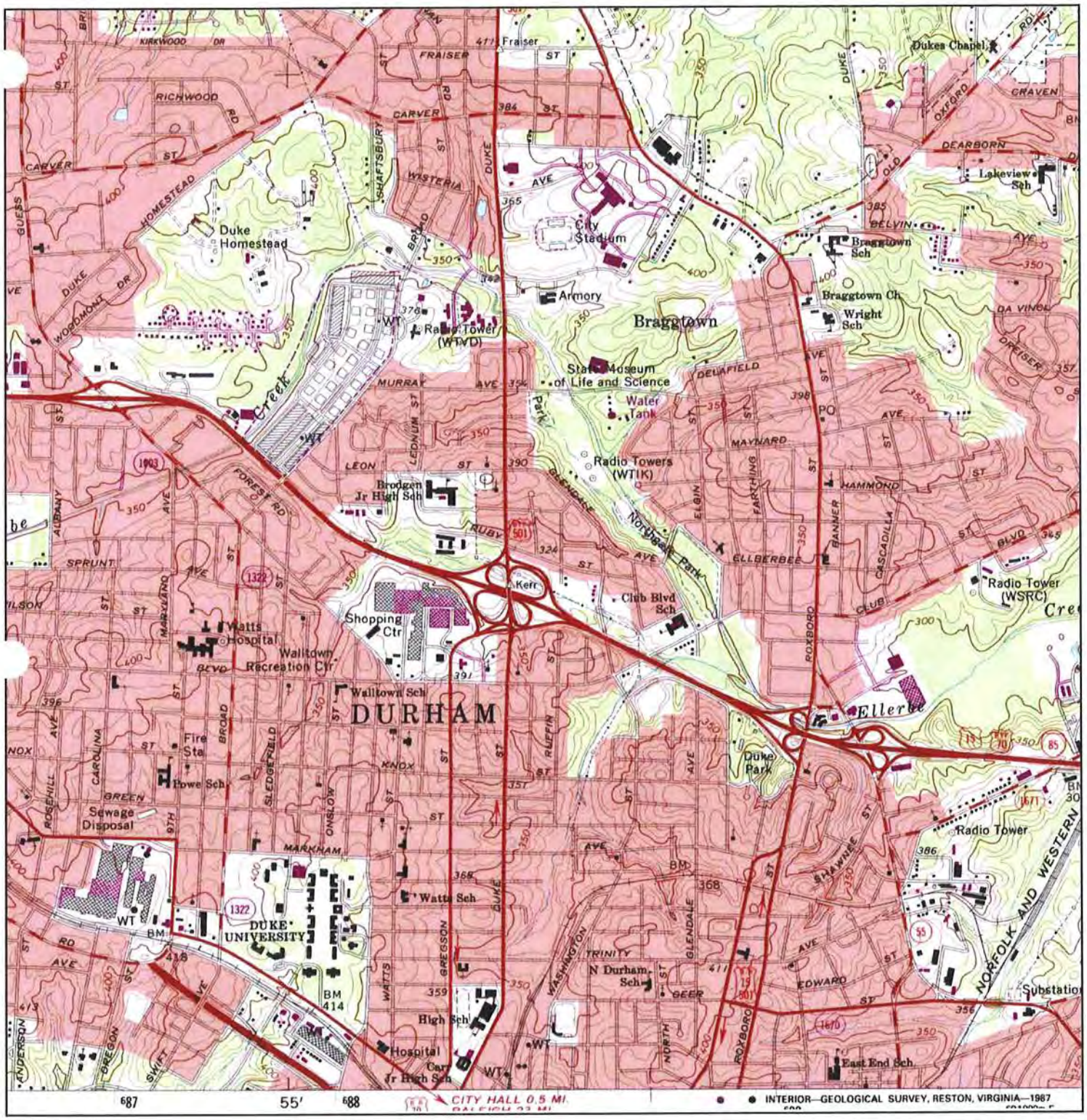
N	TARGET QUAD NAME: DURHAM NORTH MAP YEAR: 1980 SERIES: 15 SCALE: 1:50000	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011

Historical Topographic Map



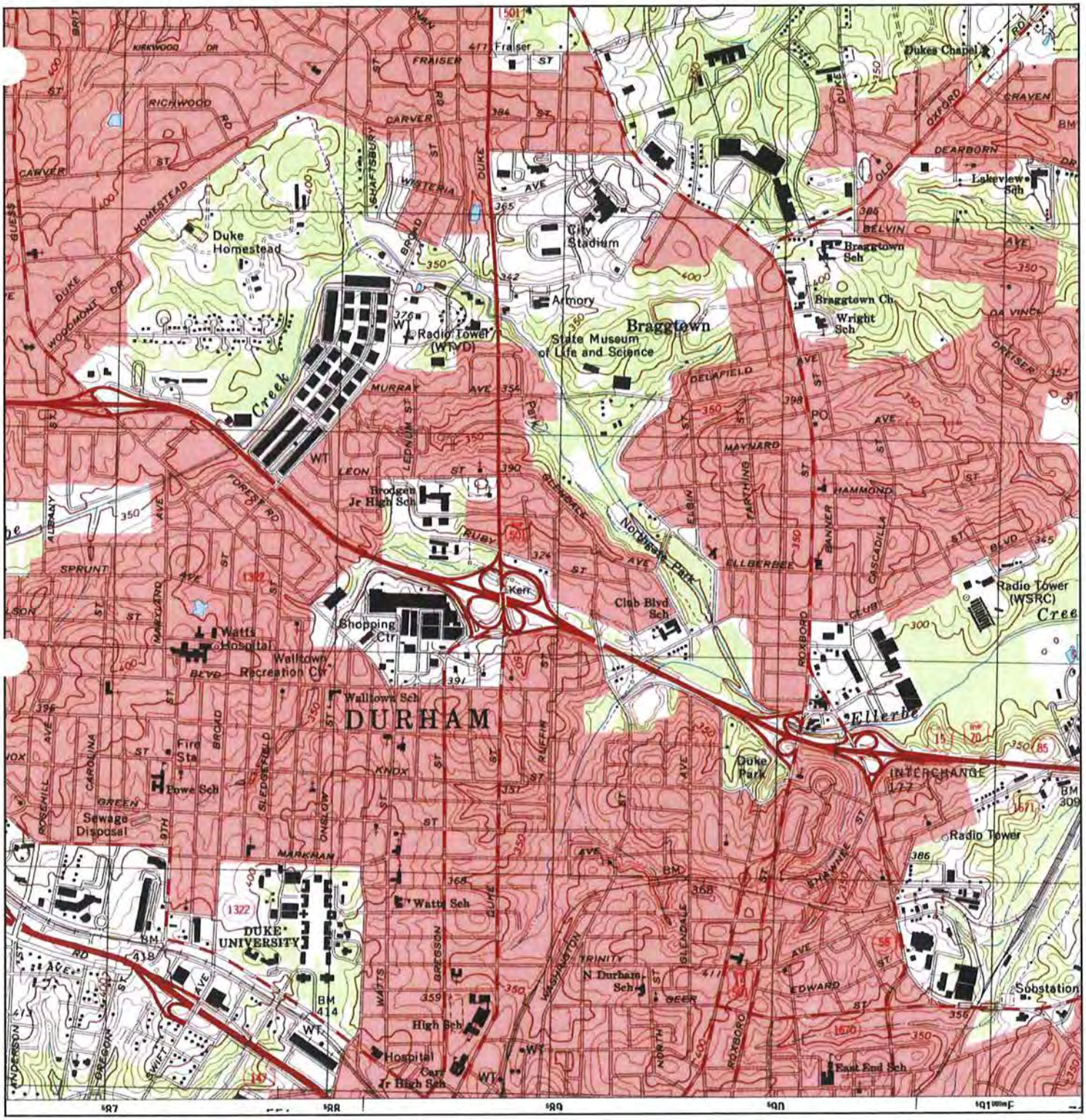
N	TARGET QUAD NAME: NORTHWEST DURHAM MAP YEAR: 1981 PHOTOREVISED:1973 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011

Historical Topographic Map



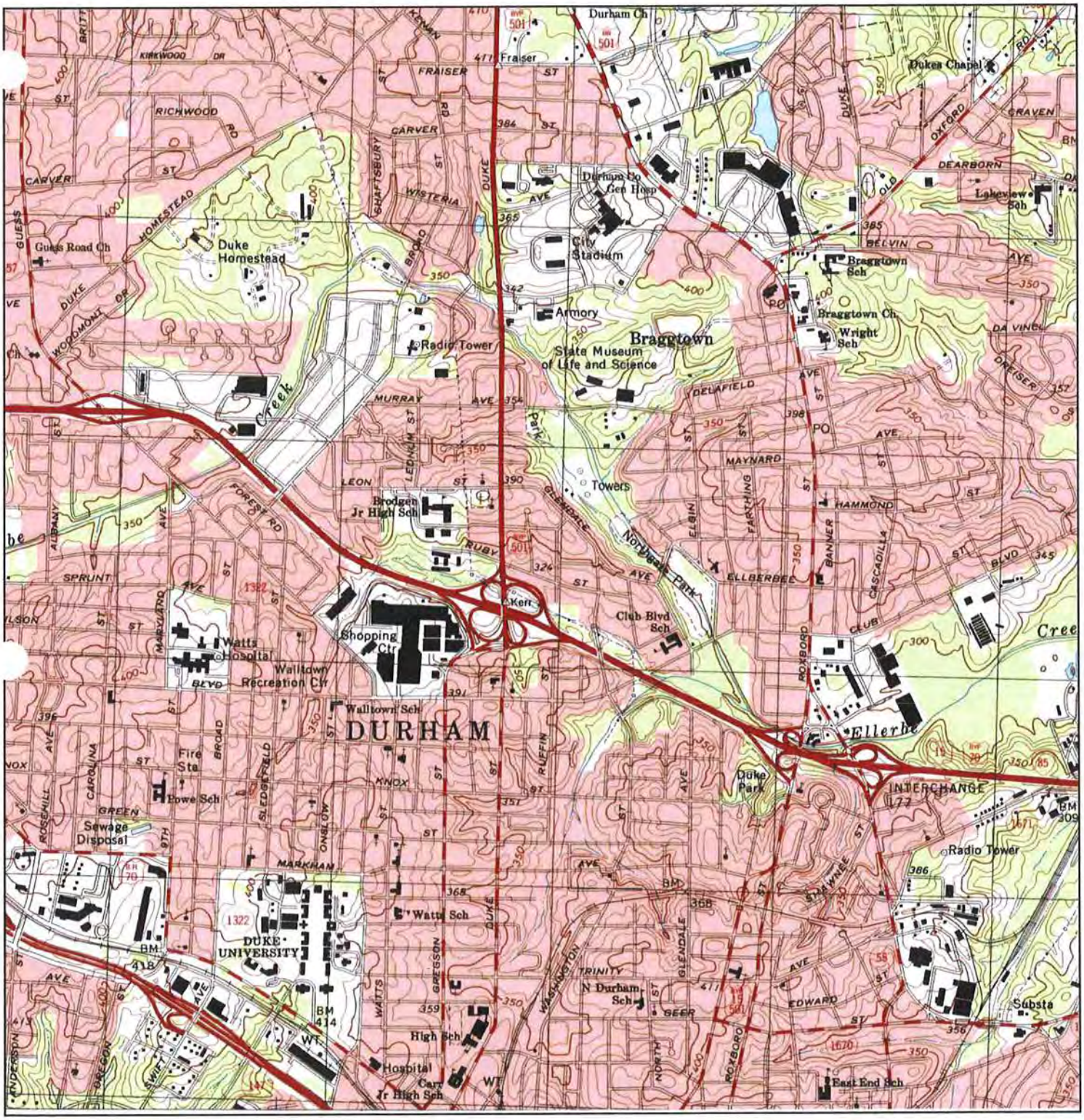
N	TARGET QUAD NAME: NORTHWEST DURHAM MAP YEAR: 1987 PHOTOREVISED:1973 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011

Historical Topographic Map



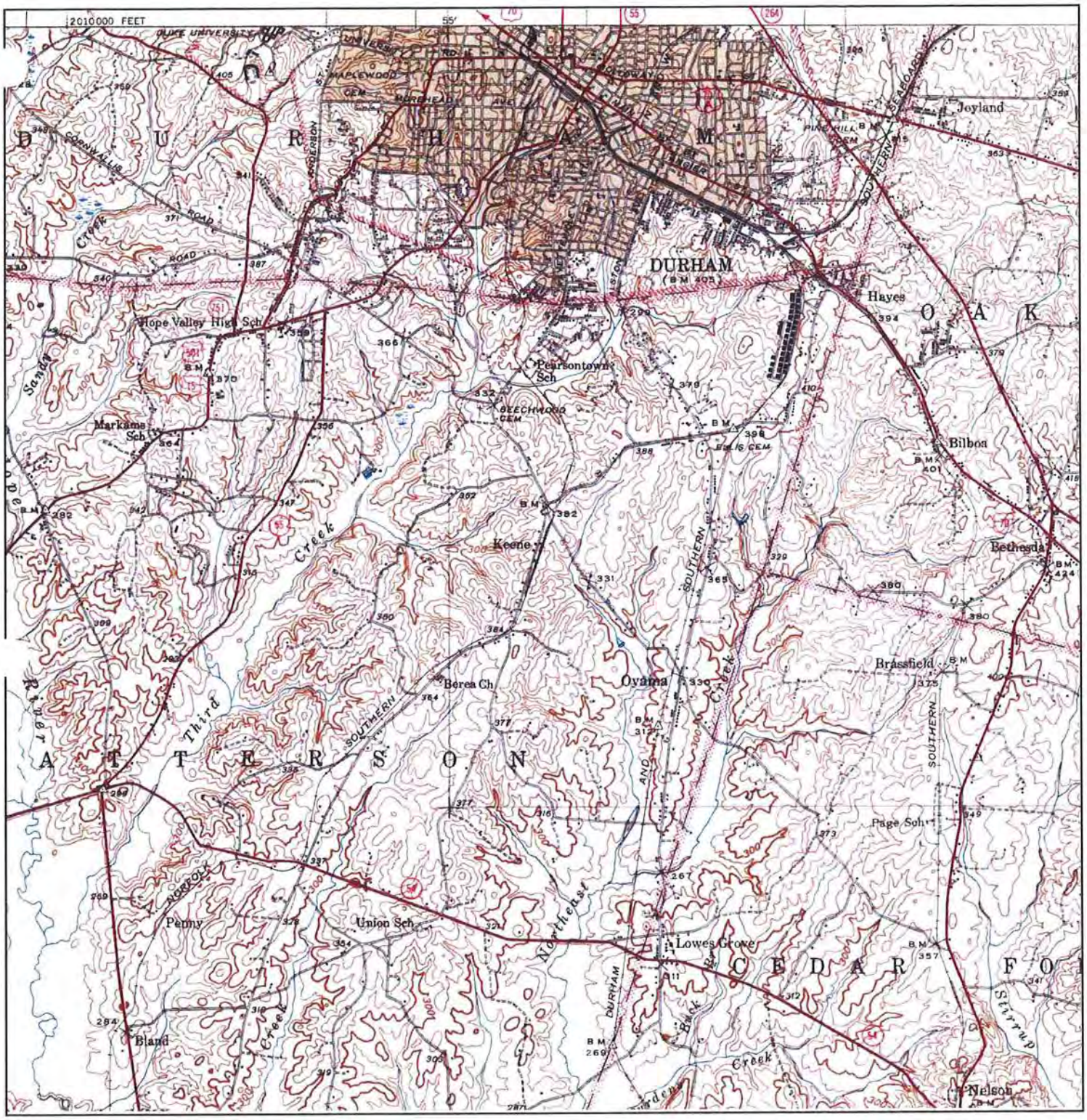
N	TARGET QUAD NAME: NORTHWEST DURHAM MAP YEAR: 1993 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011

Historical Topographic Map



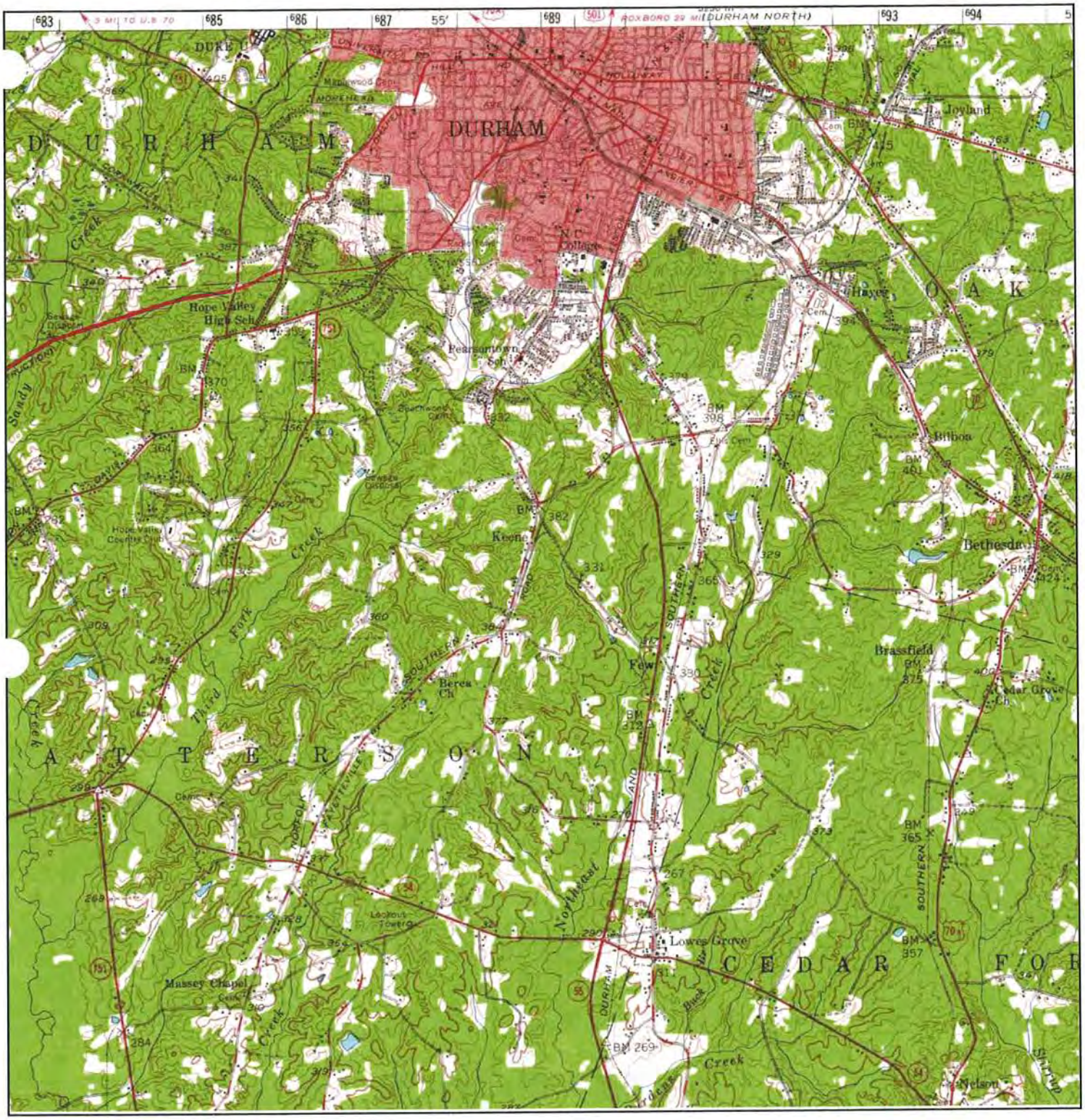
N	TARGET QUAD NAME: NORTHWEST DURHAM MAP YEAR: 1999 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011

Historical Topographic Map



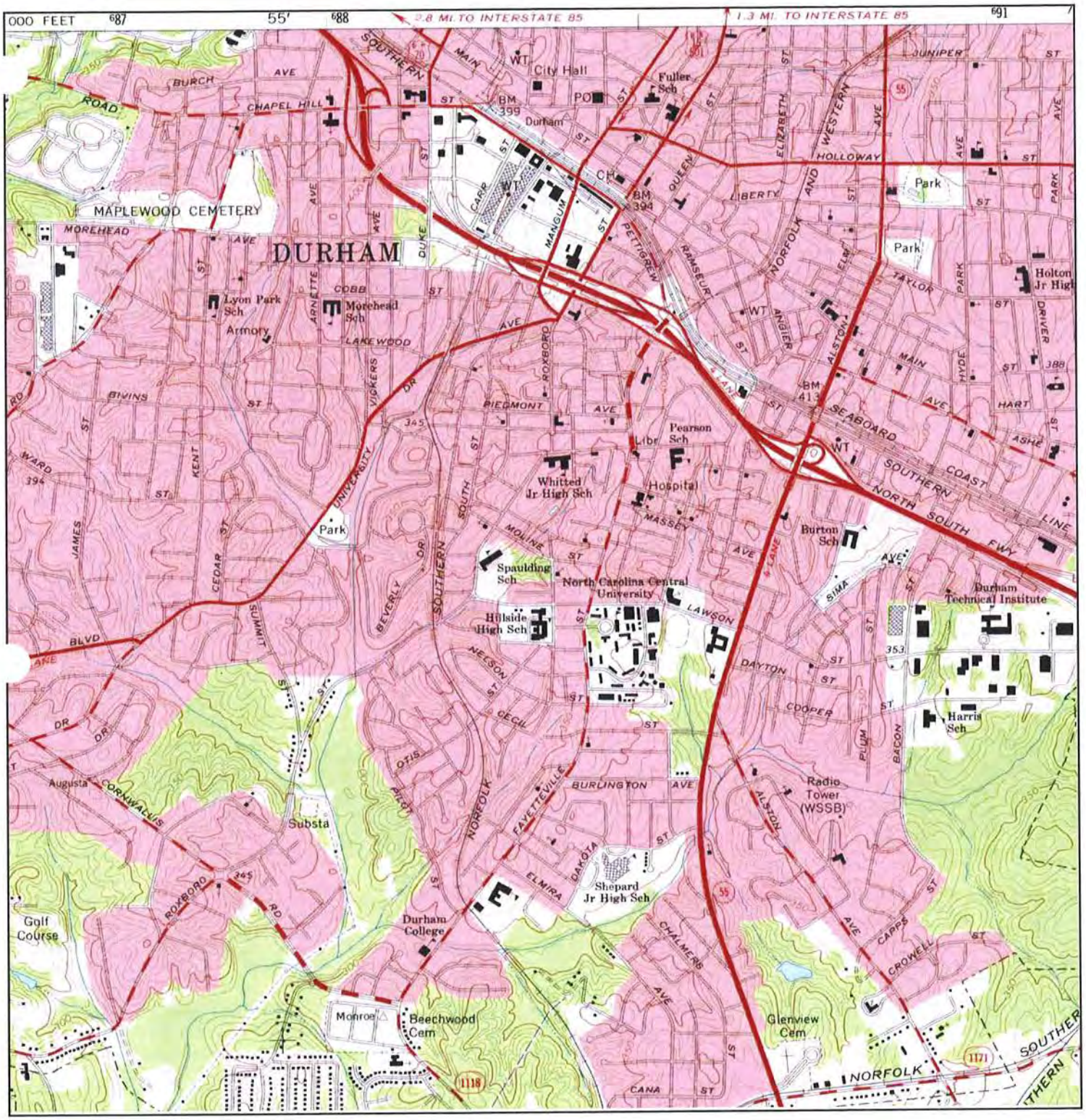
N	ADJOINING QUAD NAME: DURHAM SOUTH MAP YEAR: 1943 SERIES: 15 SCALE: 1:62500	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011

Historical Topographic Map



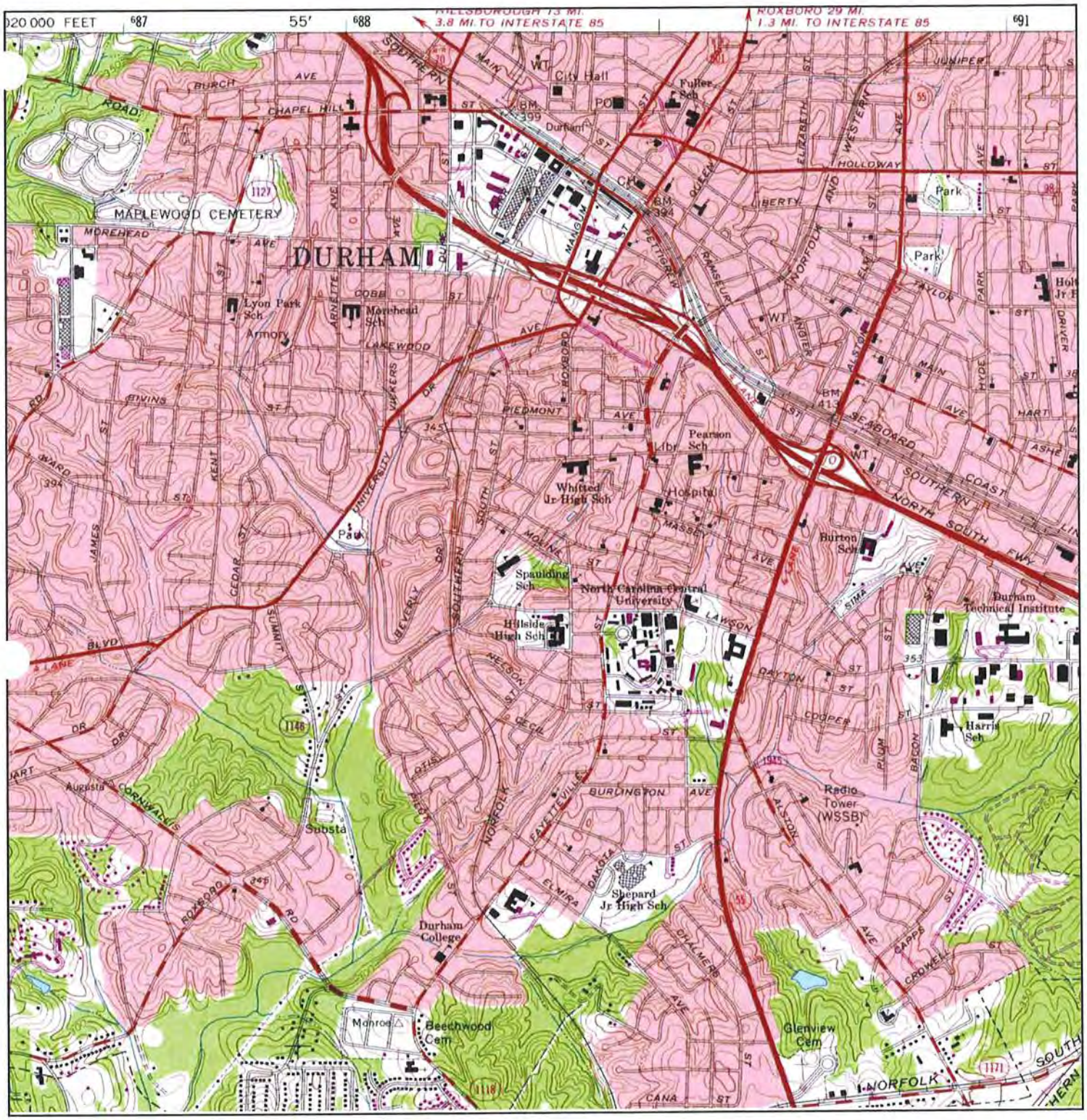
N	ADJOINING QUAD NAME: DURHAM SOUTH MAP YEAR: 1951 SERIES: 15 SCALE: 1:62500	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011

Historical Topographic Map



N	ADJOINING QUAD NAME: SOUTHWEST DURHAM MAP YEAR: 1973 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011

Historical Topographic Map



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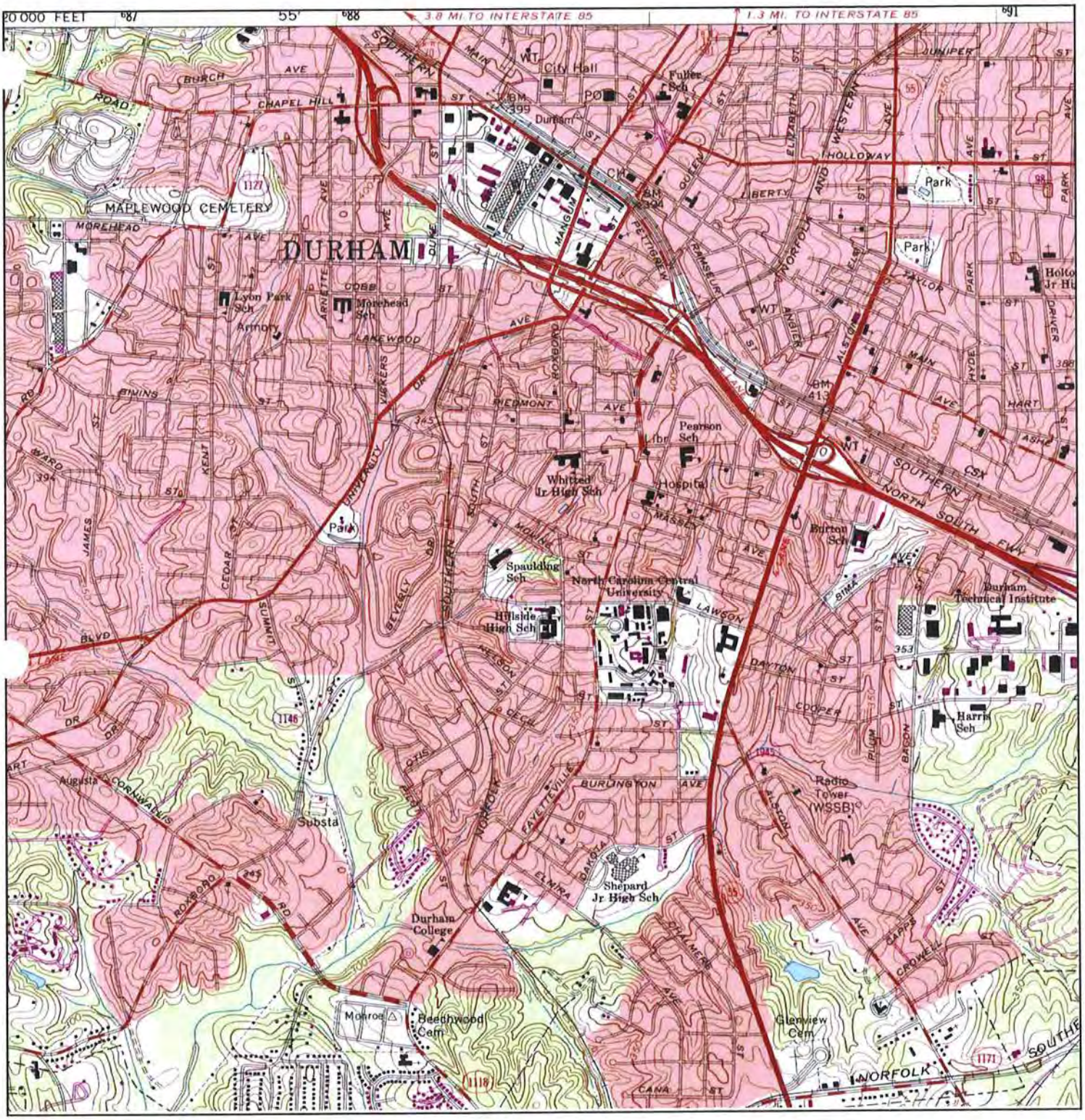
Historical Topographic Map



N	ADJOINING QUAD NAME: SOUTHWEST DURHAM MAP YEAR: 1987 PHOTOREVISED:1973 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011

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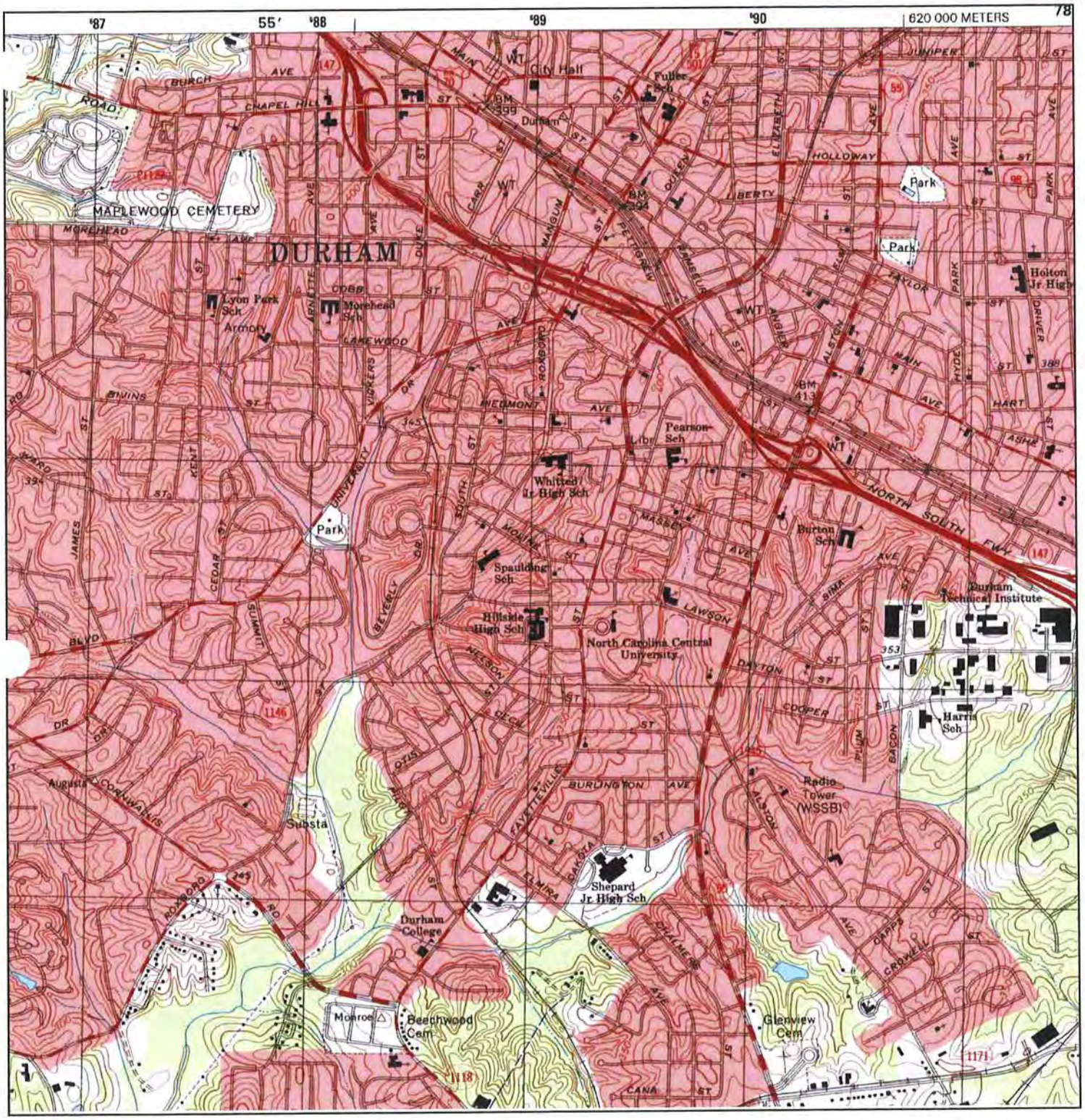
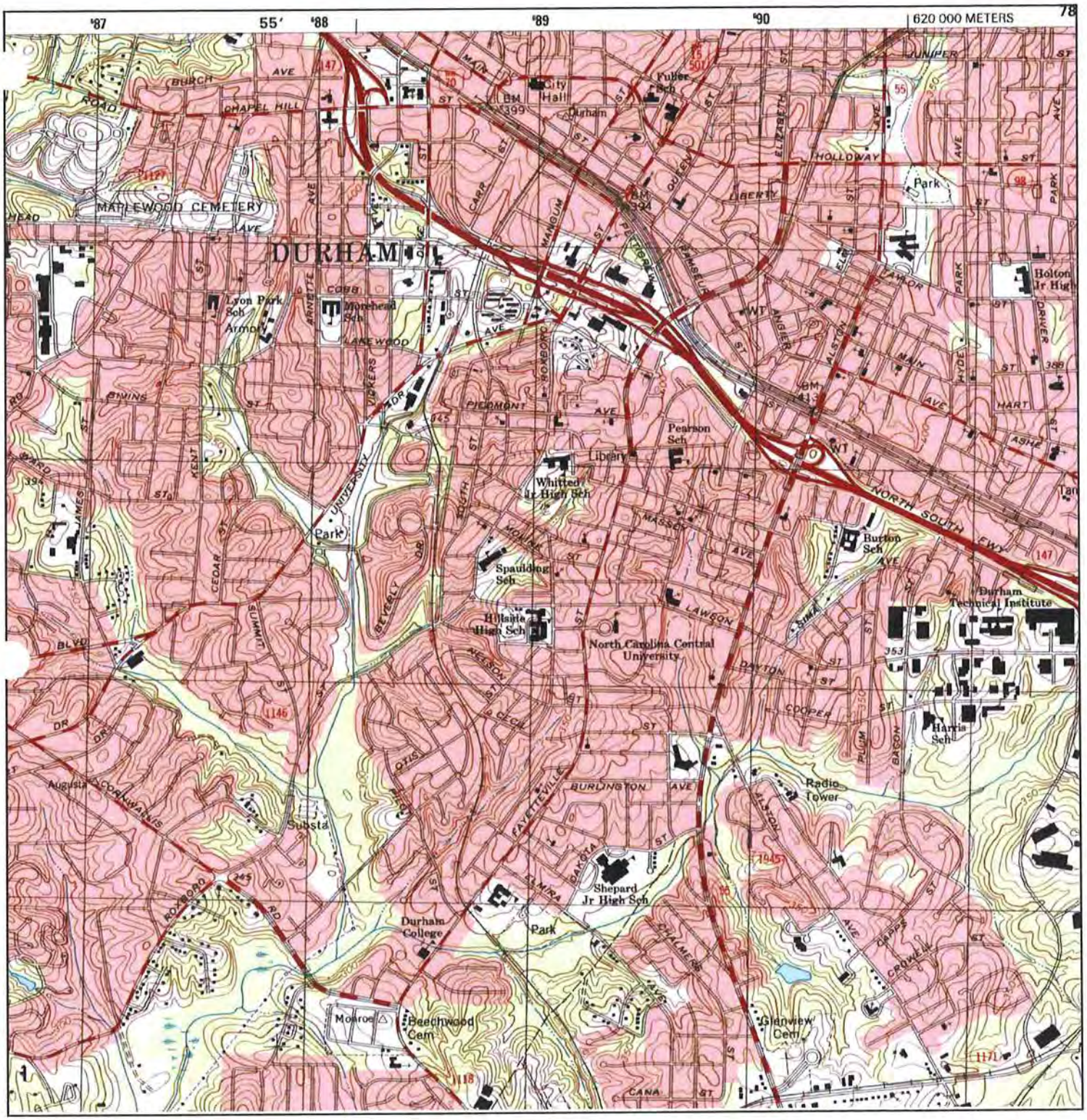


N	ADJOINING QUAD NAME: SOUTHWEST DURHAM MAP YEAR: 1993 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035		CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011	

Historical Topographic Map



N	ADJOINING QUAD NAME: SOUTHWEST DURHAM MAP YEAR: 2002 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Duke Diet and Fitness Center ADDRESS: 808 West Trinity Avenue Durham, NC 27701 LAT/LONG: 36.0077 / -78.9035	CLIENT: The John R. McAdams Co., Inc. CONTACT: George Buchholz INQUIRY#: 3128960.4 RESEARCH DATE: 07/21/2011

Duke Diet and Fitness Center
808 West Trinity Avenue
Durham, NC 27701

Inquiry Number: 3128960.5
July 27, 2011

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography July 27, 2011

Target Property:

808 West Trinity Avenue

Durham, NC 27701

Year	*Scale*	*Details*	*Source*
1961	Aerial Photograph. Scale: 1"=1000'	Panel #: 36078-A8, Northwest Durham, NC;/Flight Date: August 17, 1961	EDR
1972	Aerial Photograph. Scale: 1"=500'	Panel #: 36078-A8, Northwest Durham, NC;/Flight Date: April 05, 1972	EDR
1977	Aerial Photograph. Scale: 1"=1000'	Panel #: 36078-A8, Northwest Durham, NC;/Flight Date: November 13, 1977	EDR
1980	Aerial Photograph. Scale: 1"=1000'	Panel #: 36078-A8, Northwest Durham, NC;/Flight Date: January 19, 1980	EDR
1983	Aerial Photograph. Scale: 1"=1000'	Panel #: 36078-A8, Northwest Durham, NC;/Flight Date: April 12, 1983	EDR
1993	Aerial Photograph. Scale: 1"=604'	Panel #: 36078-A8, Northwest Durham, NC;/Composite DOQQ - acquisition dates: February 23, 1993	EDR
1998	Aerial Photograph. Scale: 1"=750'	Panel #: 36078-A8, Northwest Durham, NC;/Flight Date: April 02, 1998	EDR
2002	Aerial Photograph. Scale: 1"=500'	Panel #: 36078-A8, Northwest Durham, NC;/Flight Date: March 28, 2002	EDR
2005	Aerial Photograph. Scale: 1"=604'	Panel #: 36078-A8, Northwest Durham, NC;/Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=604'	Panel #: 36078-A8, Northwest Durham, NC;/Flight Year: 2006	EDR
2008	Aerial Photograph. Scale: 1"=604'	Panel #: 36078-A8, Northwest Durham, NC;/Flight Year: 2008	EDR

INQUIRY #: 3128960.5
YEAR: 1961
= 1000'
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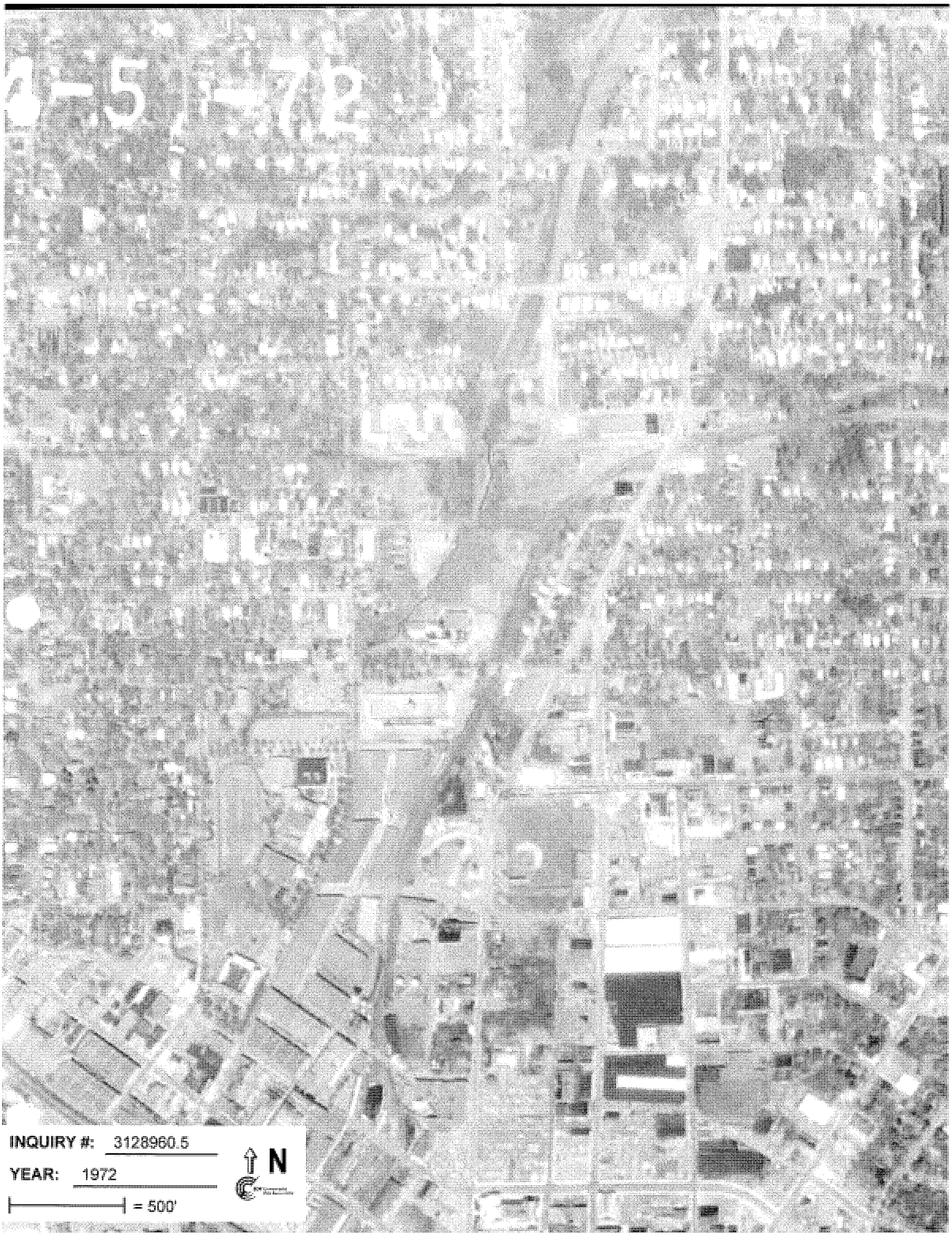
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YEAR: 1972
= 500'
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YEAR: 1977
= 1000'
N

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YEAR: 1980
= 1000'
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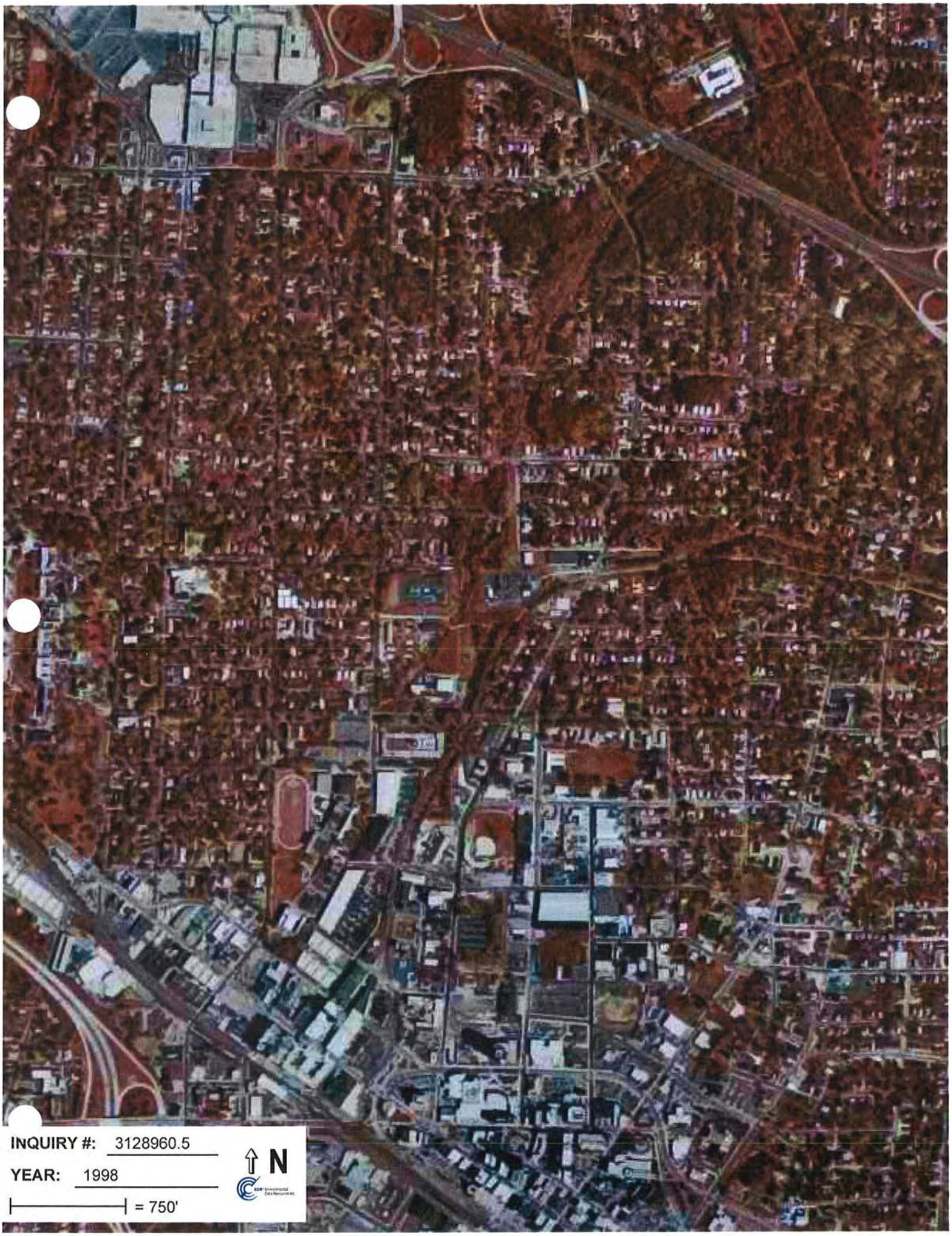
YEAR: 1983
= 1000'
N

INQUIRY #: 3128960.5
YEAR: 1993
= 604'
N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YEAR: 1998
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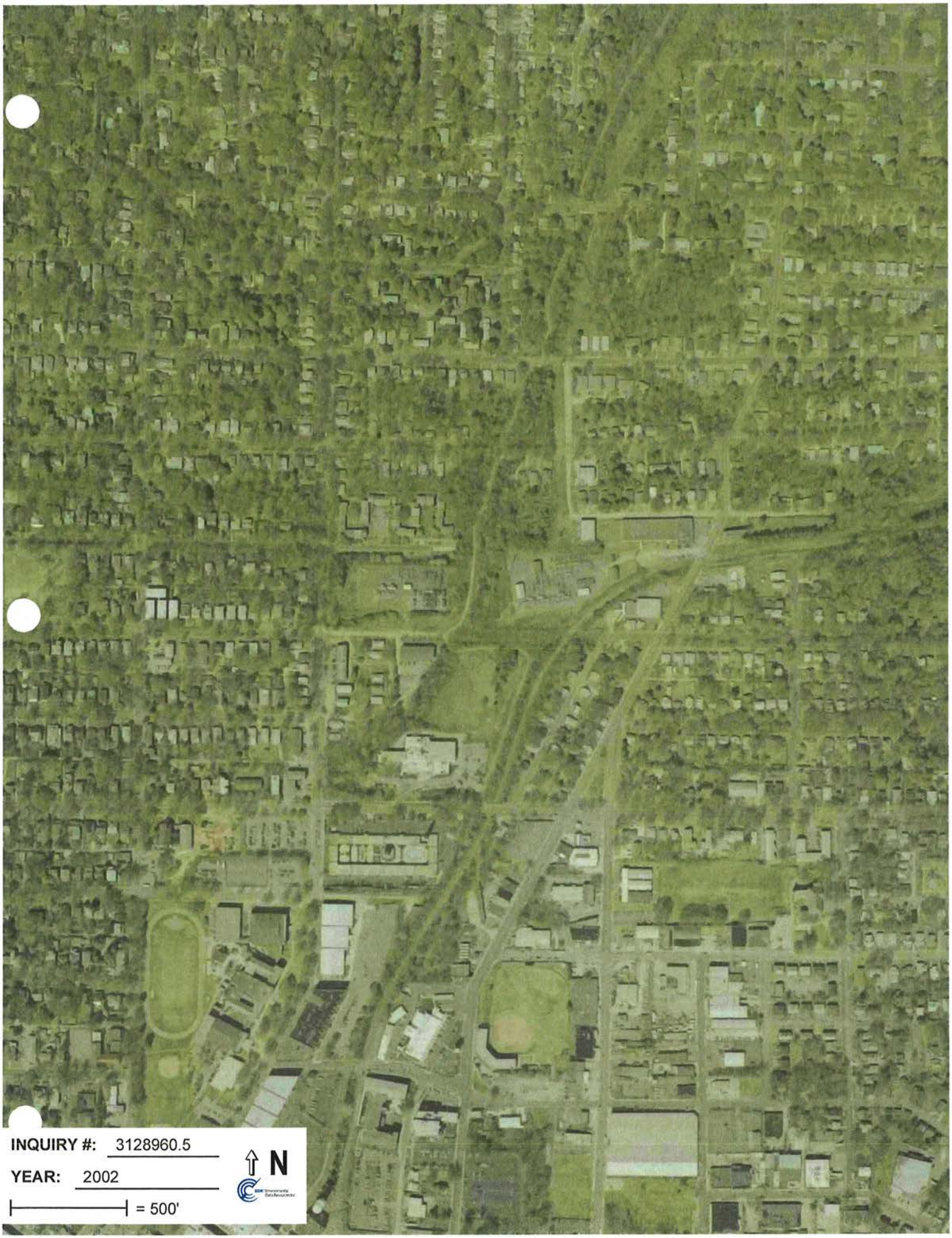
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YEAR: 2002
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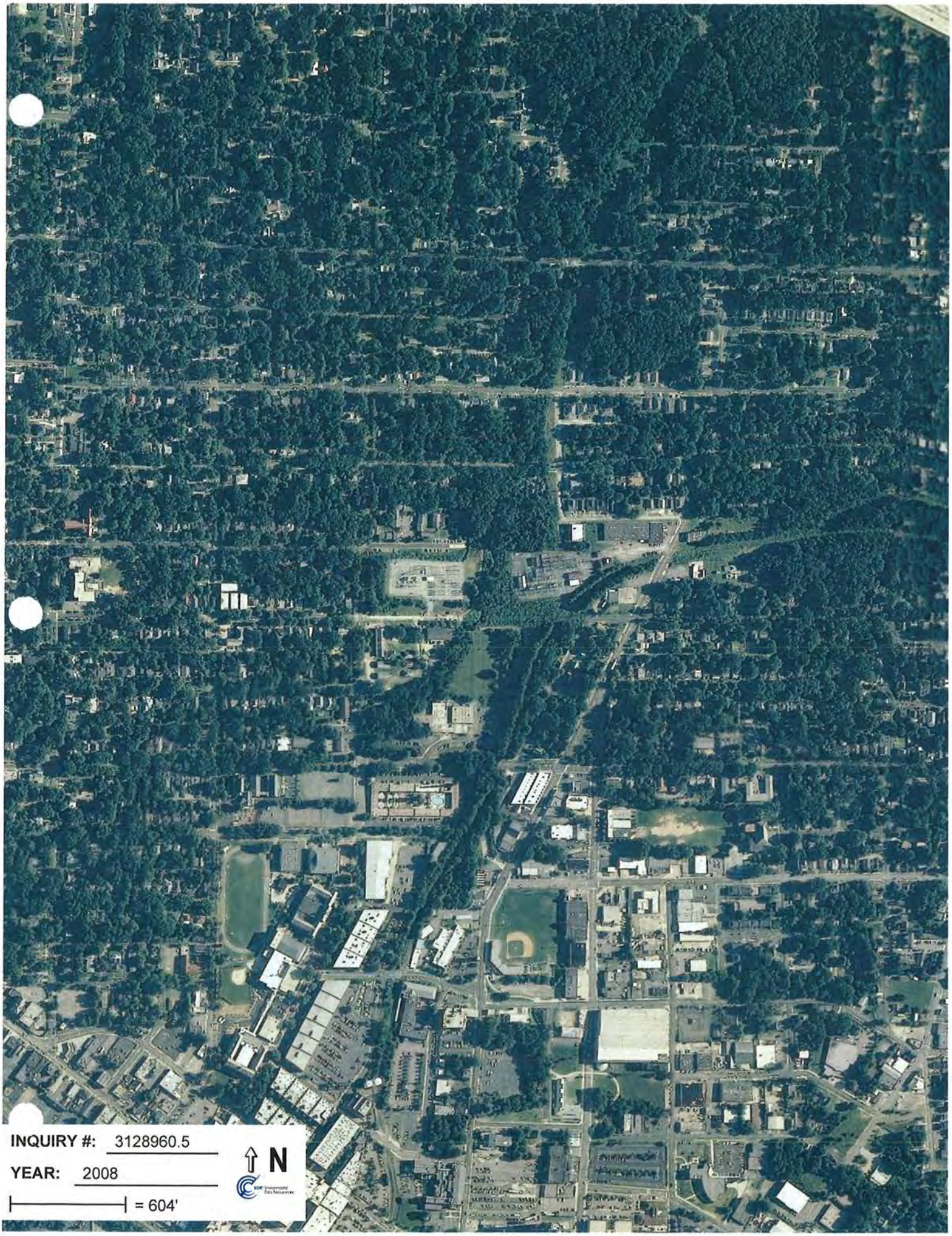
N

INQUIRY #: 3128960.5
YEAR: 2005
= 604'
N

INQUIRY #: 3128960.5
YEAR: 2006
= 604'
N


INQUIRY #: 3128960.5
YEAR: 2008
= 604'
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Duke Diet and Fitness Center
808 West Trinity Avenue
Durham, NC 27701

Inquiry Number: 3128960.7
July 25, 2011

The EDR Environmental LienSearch™ Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental LienSearch™ Report

TARGET PROPERTY INFORMATION

ADDRESS

Duke Diet and Fitness Center
808 West Trinity Avenue
Durham, NC 27701

RESEARCH SOURCE

Source 1: Durham County Assessor

Source 2: Durham County Register of Deeds

PROPERTY INFORMATION

Deed 1:

Type of Deed: General Warranty Deed
Title is vested in: Duke University
Deed Dated: 02/17/1982
Deed Recorded: 02/19/1982
Book: 1076
Page: 386

Legal Description: See attached deed

Legal Current Owner: Duke University

Property Identifiers: 0822-20-81-4223

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒
If found:

1st Party:

2nd Party:

Dated:
Recorded:
Book:
Page:
Docket:
Volume:
Instrument:
Comments:
Miscellaneous:

EDR Environmental LienSearch™ Report

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found ☐ Not Found ☒

If found:

1st Party:

2nd Party:

Dated:
Recorded:
Book:
Page:
Docket:
Volume:
Instrument:
Comments:
Miscellaneous:

EDR Environmental LienSearch™ Report

DEED EXHIBIT

BOOK 1076 PAGE 386

STATE OF NORTH CAROLINA
Real Estate Excise Tax
FEB 19 '82
750.00

Excise Tax

FILED
BOOK 1076 PAGE 386-387
FEB 19 12 04 PM '82
RUTH C. GARRETT
REGISTER OF DEEDS
DURHAM COUNTY, N.C.

Recording Time, Book and Page

Tax Lot No. ..... Parcel Identifier No. .....

Verified by ..... County on the ..... day of ....., 19.....

by .....

Mail after recording to Ann Sturgis, Attorney
Powe, Porter & Alphin, P. O. Box 3843, Durham, NC 27702

This instrument was prepared by James T. Hedrick, Attorney at Law

Brief description for the Index

NORTH CAROLINA GENERAL WARRANTY DEED

THIS DEED made this 17 day of February, 19 82, by and between

GRANTOR	GRANTEE
YOUNG MEN'S CHRISTIAN ASSOCIATION OF DURHAM, NORTH CAROLINA	DUKE UNIVERSITY

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.g. corporation or partnership.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of Durham, Durham Township, Durham County, North Carolina and more particularly described as follows:

BEGINNING at an iron pipe located at the intersection of the northern right-of-way of Trinity Avenue with the western right-of-way of the Norfolk & Western Railroad; running thence with the northern right-of-way of Trinity Avenue North 87° 48' West 662.47 feet to a point where the northern right-of-way of Trinity Avenue begins to curve into the eastern right-of-way of North Duke Street; running thence with a clockwise curve having a radius of 20.00 feet an arc distance of 31.45 feet to a point; running thence along and with the said right-of-way of Duke Street North 02° 12' East 222.47 feet to an iron pipe; running thence South 87° 40' East 130 feet to an iron pipe; running thence North 02° 12' East 115 feet to an iron pipe; running thence South 87° 48' East 230.6 feet to an iron pipe; running thence North 30° 18' East 397.44 feet to an iron pipe on the southern right-of-way of Dacian Avenue; running thence along and with the said right-of-way South 87° 48' East 412.3 feet to an iron pipe on the western right-of-way of Norfolk and Western Railroad; running thence along and with the natural curvature of the said right-of-way in a southerly direction said curve having a radius of 1,705.57 feet, a distance of 375.3 feet to a point; continuing along with said right-of-way South 20° 12' West 264 feet to a point; thence continuing along and with the natural curvature of said right-of-way in a southerly direction said curve having a radius of 1,914.32 feet a distance of 124 feet to an iron pipe; the place and point of BEGINNING and being that property shown on plat of "Property of Duke University Medical Center" as surveyed by Jerry L. Hunt, Land Surveyor, dated 2/9/82, Job #5356 to which plat reference is hereby made for a more particular description of same.

The property hereinabove described was acquired by Grantor by instrument recorded in .....

.....

A map showing the above described property is recorded in Plat Book ..... page .....

TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated. Title to the property hereinabove described is subject to the following exceptions:

IN WITNESS WHEREOF, the Grantor has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, the day and year first above written.

YOUNG MEN'S CHRISTIAN ASSOCIATION OF DURHAM, NORTH CAROLINA
(Corporate Name)

By: Jon T. Hedrick
President

ATTEST:
Harold P. Davis
Secretary (Corporate Seal)

USE BLACK INK ONLY

.....(SEAL)
.....(SEAL)
.....(SEAL)
.....(SEAL)

SEAL-STAMP

Use Black Ink

NORTH CAROLINA, ... County.

I, a Notary Public of the County and State aforesaid, certify that ..... Grantor, personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this ..... day of ....., 19.....

My commission expires: ..... Notary Public

SEAL-STAMP

Use Black Ink

NORTH CAROLINA, Durham County.

I, a Notary Public of the County and State aforesaid, certify that Harold P. Davis personally came before me this day and acknowledged that he is Secretary of Young Men's Christian Association of Durham, North Carolina a North Carolina corporation, and that by authority duly given and as the act of the corporation, the foregoing instrument was signed in its name by its President, sealed with its corporate seal and attested by him as its Secretary.

Witness my hand and official stamp or seal, this 17 day of February, 1982.

My commission expires: 10-27-85 Nancy Hartley Notary Public

Dhm Co NC

The foregoing Certificate(s) of Nancy Hartley Nty Pb of Dhm Co NC

is/are certified to be correct. This instrument and this certificate are duly registered at the date and time and in the Book and Page shown on the first page hereof.

RUTH C. GARRETT FEB 19 1982 REGISTER OF DEEDS FOR Dhm COUNTY

By Jackie J. Brown Deputy/~~Assistant~~ - Register of Deeds

N.C. Bar Assoc. Form No. 3 © 1974, Revised 1977.

Duke Diet and Fitness Center
808 West Trinity Avenue
Durham, NC 27701

Inquiry Number: 3128960.8
July 21, 2011

The EDR Property Tax Map Report

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

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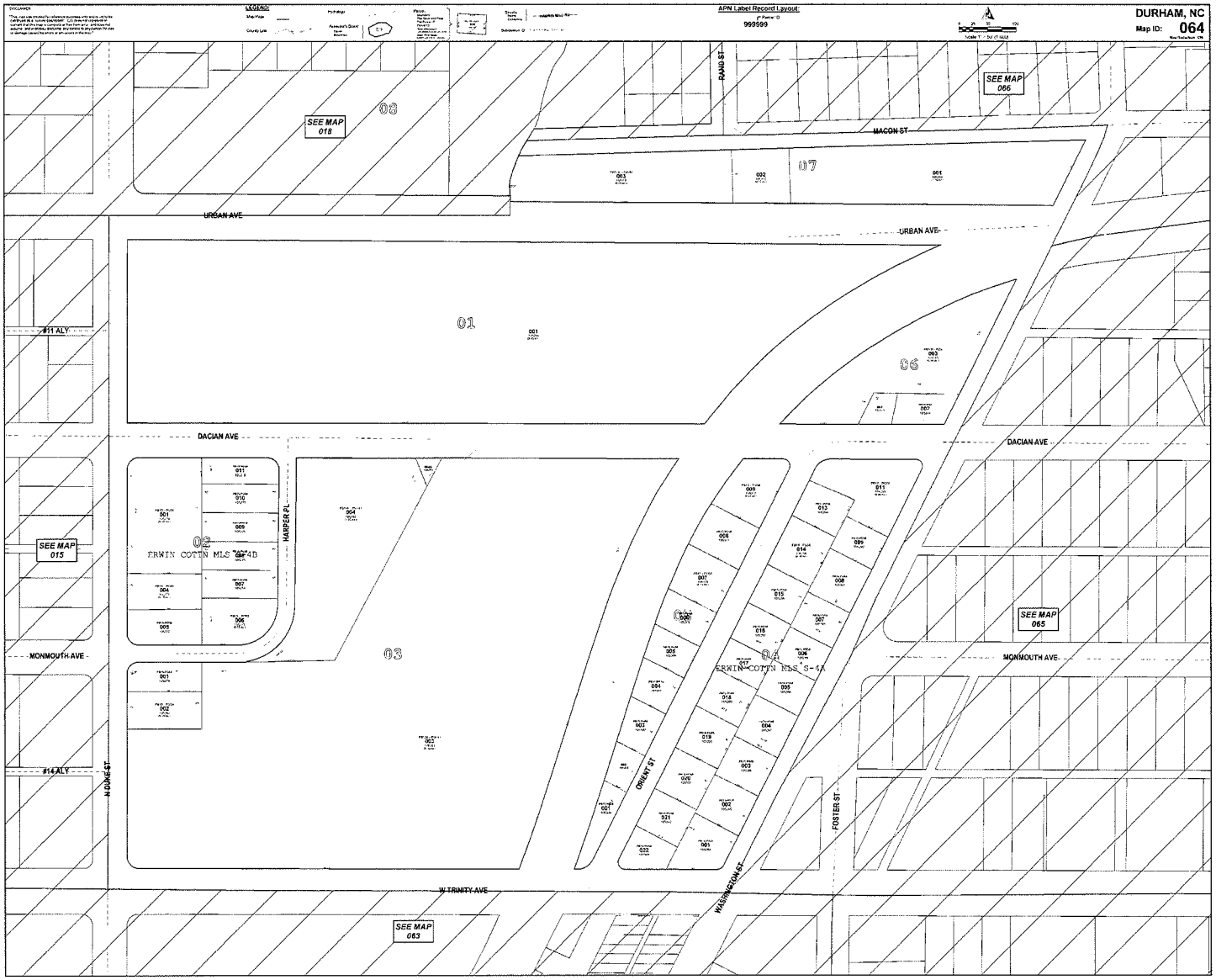
DURHAM, NC
Map ID: 064
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SEE MAP 018
SEE MAP 066
SEE MAP 015
SEE MAP 065
SEE MAP 063
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07
01
06
02
03
04
ERWIN COTTN MLS S-4B
ERWIN COTTN MLS S-4A
MACON ST
RAND ST
URBAN AVE
DACIAN AVE
MONMOUTH AVE
W TRINITY AVE
HARPER PL
ORIENT ST
WASHINGTON ST
FOSTER ST
N DUKE ST
#11 ALY
#14 ALY

Duke Diet and Fitness Center
808 West Trinity Avenue
Durham, NC 27701

Inquiry Number: 3128960.11
July 21, 2011

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

ASTM and EPA Requirements

ASTM E 1527-05 lists building department records as a "standard historical source," as detailed in § 8.3.4.7: "Building Department Records – The term building department records means those records of the local government in which the property is located indicating permission of the local government to construct, alter, or demolish improvements on the property." ASTM also states that "Uses in the area surrounding the property shall be identified in the report, but this task is required only to the extent that this information is revealed in the course of researching the property itself."

EPA's Standards and Practices for All Appropriate Inquires (AAI) states: "§312.24: Reviews of historical sources of information. (a) Historical documents and records must be reviewed for the purposes of achieving the objectives and performance factors of §312.20(e) and (f). Historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

EXECUTIVE SUMMARY: SEARCH DOCUMENTATION

A search of building department records was conducted by Environmental Data Resources, Inc (EDR) on behalf of The John R. McAdams Co., Inc. on Jul 21, 2011.

TARGET PROPERTY

808 West Trinity Avenue
Durham, NC 27701

SEARCH METHODS

EDR searches available lists for both the Target Property and Surrounding Properties.

RESEARCH SUMMARY

Building permits identified: **YES**

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Durham

Year	*Source*	*TP*	*Adjoining*
2009	City of Durham, City and County Inspections Departme		X
2008	City of Durham, City and County Inspections Departme		
2007	City of Durham, City and County Inspections Departme		X
2006	City of Durham, City and County Inspections Departme		X
2005	City of Durham, City and County Inspections Departme		X
2004	City of Durham, City and County Inspections Departme		X
2003	City of Durham, City and County Inspections Departme		X
2002	City of Durham, City and County Inspections Departme		X
2001	City of Durham, City and County Inspections Departme		X
2000	City of Durham, City and County Inspections Departme		
1999	City of Durham, City and County Inspections Departme		
1998	City of Durham, City and County Inspections Departme		X
1997	City of Durham, City and County Inspections Departme		X
1996	City of Durham, City and County Inspections Departme		

BUILDING DEPARTMENT RECORDS SEARCHED

Name: Durham
Years: 1996-2009
Source: City of Durham, City and County Inspections Department , Durham, NC
Phone: (919) 560-4144

Name: Cary
Years: 1993-2009
Source: Town of Cary, Inspections & Permit Department, Cary, NC
Phone: (919) 380-2141

Name: Chatham County
Years: 1997-2010
Source: Chatham County, Sustainable Communities Development, Pittsboro, NC
Phone: (919) 542-8230

Name: Lincoln County
Years: 1996-2009
Source: Lincoln County, Planning & Inspections, Lincolnton, NC
Phone: (704) 736-8724

Name: Morrisville
Years: 2000-2009
Source: City of Morrisville, Development Services, Morrisville, NC
Phone: (919) 463-6200

Name: Randolph County
Years: 1986-2009
Source: Randolph County, Government Building Inspections, Asheboro, NC
Phone: (336) 318-6565

Name: Wake County
Years: 1975-2008
Source: Wake County, Inspections and Permits, Raleigh, NC
Phone: (919) 856-6060

TARGET PROPERTY FINDINGS

TARGET PROPERTY DETAIL

808 West Trinity Avenue
Durham, NC 27701

No Permits Found

ADJOINING PROPERTY FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

DACIAN AVE

815 DACIAN AVE

Date:	**4/30/2007**
Permit Type:	
Description:	**REPLACE OUTSIDE PANEL**
Permit Description:	**Electrical**
Work Class:	NOT APPLICABLE
Proposed Use:	
Permit Number:	702835
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	G M ELECTRIC CO

Date:	**4/30/2007**
Permit Type:	
Description:	**REPLACE OUTSIDE PANEL BOX**
Permit Description:	**Electrical**
Work Class:	NOT APPLICABLE
Proposed Use:	
Permit Number:	702836
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	G M ELECTRIC CO

Date:	**8/13/2003**
Permit Type:	
Description:	**REPLACE STEEL STEPS (4 SETS)**
Permit Description:	**Building**
Work Class:	INT/EXT ALTERATIONS
Proposed Use:	
Permit Number:	302691
Status:	Completed
Valuation:	$35,000.00
Contractor Company:	
Contractor Name:	LARRY HOWARD

ADJOINING PROPERTY FINDINGS

900 DACIAN AVE

Date:	**2/15/2011**
Permit Type:	
Description:	
Permit Description:	**Mechanical**
Work Class:	Replacement
Proposed Use:	
Permit Number:	1140686
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SWAIN, L. D. & SON, INC

Date:	**2/10/2011**
Permit Type:	
Description:	
Permit Description:	**Electrical**
Work Class:	Not Applicable
Proposed Use:	
Permit Number:	1120855
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	MAY, G.W., ELECTRIC CO.

Date:	**1/10/2006**
Permit Type:	
Description:	**UPGARDE SERVICE 200A**
Permit Description:	**Electrical**
Work Class:	ADDITION
Proposed Use:	
Permit Number:	600218
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	G M ELECTRIC CO

ADJOINING PROPERTY FINDINGS

Date:	**12/23/2005**
Permit Type:	
Description:	**HEAT PUMPS LEFT SIDE APT**
Permit Description:	**Mechanical**
Work Class:	
Proposed Use:	
Permit Number:	505938
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	TEMP CONTROL

902 DACIAN AVE

Date:	**10/25/2002**
Permit Type:	
Description:	**NAT GAS PACK FOR GAS FURN & AC & FLEX SYST**
Permit Description:	**Mechanical**
Work Class:	REPLACEMENT
Proposed Use:	
Permit Number:	203885
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	RALEIGH-DURHAM HEAT&AIR

HARPER PL

805 HARPER PL

Date:	**4/3/2007**
Permit Type:	
Description:	**HVAC REPLACEMENT GAS PACK**
Permit Description:	**Mechanical**
Work Class:	
Proposed Use:	
Permit Number:	701494
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	C W J HTG & AIR COND

ADJOINING PROPERTY FINDINGS

811 HARPER PL

Date:	**9/21/1995**
Permit Type:	
Description:	**54974-G**
Permit Description:	**Plumbing**
Work Class:	ADDITION
Proposed Use:	
Permit Number:	9502195
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	BROWN BROS PLBG & HTG

813 HARPER PL

Date:	**11/12/2010**
Permit Type:	
Description:	
Permit Description:	**Mechanical**
Work Class:	Replacement
Proposed Use:	
Permit Number:	1044845
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	C W J HTG & AIR COND

Date:	**4/24/1998**
Permit Type:	
Description:	**SERVICE CHANGE**
Permit Description:	**Electrical**
Work Class:	INT/EXT ALTERATIONS
Proposed Use:	
Permit Number:	9802084
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	CARPENTER ELECTRIC

ADJOINING PROPERTY FINDINGS

N DUKE ST

807 N DUKE ST

Date:	**12/13/2002**
Permit Type:	
Description:	**REPAIR STORM DAMAGE**
Permit Description:	**Electrical**
Work Class:	NOT APPLICABLE
Proposed Use:	
Permit Number:	208098
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	STEPHEN WHITT ELEC CONTR.

810 N DUKE ST

Date:	**12/8/2004**
Permit Type:	
Description:	**REPLACE BACK BREAKER PANEL**
Permit Description:	**Electrical**
Work Class:	NOT APPLICABLE
Proposed Use:	
Permit Number:	408451
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	LEGACY ELECTRIC INC.

903 N DUKE ST

Date:	**11/12/2009**
Permit Type:	
Description:	
Permit Description:	**Mechanical**
Work Class:	Replacement
Proposed Use:	
Permit Number:	944372
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	HAY'S HEATING & AIR

ADJOINING PROPERTY FINDINGS

Date:	**1/23/2006**
Permit Type:	
Description:	**SERVICE UPGRADE 100 TO 200AMP**
Permit Description:	**Electrical**
Work Class:	NOT APPLICABLE
Proposed Use:	
Permit Number:	600523
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	REX ELECTRIC

Date:	**12/9/2005**
Permit Type:	
Description:	**UNCOVERED DECK**
Permit Description:	**Building**
Work Class:	ADD DECK
Proposed Use:	
Permit Number:	504204
Status:	Completed
Valuation:	$2,000.00
Contractor Company:	
Contractor Name:	MICHAEL MURPHY

ORIENT ST

914 ORIENT ST

Date:	**12/3/2001**
Permit Type:	
Description:	**CONSTRUCTION POWER**
Permit Description:	**Electrical**
Work Class:	TEMPORARY POWER
Proposed Use:	
Permit Number:	107302
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	DICKERSON, WILTON J. JR.

ADJOINING PROPERTY FINDINGS

Date:	**11/20/2001**
Permit Type:	
Description:	
Permit Description:	**Electrical**
Work Class:	NOT APPLICABLE
Proposed Use:	
Permit Number:	107135
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	DICKERSON, WILTON J. JR.

Date:	**11/6/2001**
Permit Type:	
Description:	
Permit Description:	**Plumbing**
Work Class:	ADDITION
Proposed Use:	
Permit Number:	103425
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	JOE'S PLUMBING CO

Date:	**10/31/2001**
Permit Type:	
Description:	**GAS PACK**
Permit Description:	**Mechanical**
Work Class:	REPLACEMENT
Proposed Use:	
Permit Number:	104010
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	TEMP CONTROL

ADJOINING PROPERTY FINDINGS

Date:	**10/25/2001**
Permit Type:	
Description:	**RENOVATIONS**
Permit Description:	**Building**
Work Class:	MINIMUM HOUSING REPAIRS
Proposed Use:	
Permit Number:	103281
Status:	Active
Valuation:	$7,500.00
Contractor Company:	
Contractor Name:	SCHMITZ, BOB

919 ORIENT ST

Date:	**3/2/2004**
Permit Type:	
Description:	**NEW GAS PACK**
Permit Description:	**Mechanical**
Work Class:	
Proposed Use:	
Permit Number:	400857
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	TEMP CONTROL

925 ORIENT ST

Date:	**11/9/1994**	
Permit Type:		
Description:	**ELECTRICAL UP FIT**	**DP**
Permit Description:	**Electrical**	
Work Class:	NEW CONSTRUCTION	
Proposed Use:		
Permit Number:	9404915	
Status:	Completed	
Valuation:	$0.00	
Contractor Company:		
Contractor Name:	MSS, INC.	

ADJOINING PROPERTY FINDINGS

Date:	**10/19/1994**
Permit Type:	
Description:	**REHAB DWELLING**
Permit Description:	**Building**
Work Class:	MINIMUM HOUSING REPAIRS
Proposed Use:	
Permit Number:	9402253
Status:	Active
Valuation:	$1,500.00
Contractor Company:	
Contractor Name:	ROBERT SCHMITZ

926 ORIENT ST

Date:	**3/12/2001**
Permit Type:	
Description:	**REHAB**
Permit Description:	**Building**
Work Class:	MINIMUM HOUSING REPAIRS
Proposed Use:	
Permit Number:	100774
Status:	Active
Valuation:	$8,000.00
Contractor Company:	
Contractor Name:	MICHAEL MOORE

929 ORIENT ST

Date:	**1/12/2010**
Permit Type:	
Description:	
Permit Description:	**Mechanical**
Work Class:	Replacement
Proposed Use:	
Permit Number:	1040135
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	SWAIN, L. D. & SON, INC

ADJOINING PROPERTY FINDINGS

Date:	**5/16/1997**
Permit Type:	
Description:	**ADDITION**
Permit Description:	**Plumbing**
Work Class:	ADDITION
Proposed Use:	
Permit Number:	9701192
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	JOE'S PLUMBING CO

Date:	**5/13/1997**
Permit Type:	
Description:	**RENOVATIONS**
Permit Description:	**Building**
Work Class:	MINIMUM HOUSING REPAIRS
Proposed Use:	
Permit Number:	9701208
Status:	Completed
Valuation:	$1,200.00
Contractor Company:	
Contractor Name:	SCHMITZ, ROBERT

URBAN AVE

901 URBAN AVE

Date:	**12/6/2003**
Permit Type:	
Description:	**1 SUPPLY VENT AND ADD 2 SUPPLYS TO ADDITION**
Permit Description:	**Mechanical**
Work Class:	ADDITION
Proposed Use:	
Permit Number:	305247
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	AMERICAN RESIDENTIAL SERV.

ADJOINING PROPERTY FINDINGS

Date:	**12/3/2003**
Permit Type:	
Description:	**DUCT RUNS**
Permit Description:	**Mechanical**
Work Class:	REPLACEMENT
Proposed Use:	
Permit Number:	305177
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	AMERICAN RESIDENTIAL SERV.

Date:	**11/20/2003**
Permit Type:	
Description:	
Permit Description:	**Electrical**
Work Class:	INT/EXT ALTERATIONS
Proposed Use:	
Permit Number:	307676
Status:	Completed
Valuation:	$0.00
Contractor Company:	
Contractor Name:	FOREST WILLIAMS ELECTRIC

Date:	**10/6/2003**
Permit Type:	
Description:	**ADDITION/RENOVATIONS**
Permit Description:	**Building**
Work Class:	ADDITION
Proposed Use:	
Permit Number:	303269
Status:	Completed
Valuation:	$53,450.00
Contractor Company:	
Contractor Name:	ROOT, P. BOWMAN, III

GLOSSARY

General Building Department concepts

- **ICC:** The International Code Council. The governing body for the building/development codes used by all jurisdictions who've adopted the ICC guidelines. MOST of the US has done this. Canada, Mexico, and other countries use ICC codes books and guides as well. There are a few states who have added guidelines to the ICC codes to better fit their needs. For example, California has added seismic retrofit requirements for most commercial structures.
- **Building Department (Permitting Authority, Building Codes, Inspections Department, Building and Inspections):** This is the department in a jurisdiction where an owner or contractor goes to obtain permits and inspections for building, tearing down, remodeling, adding to, re-roofing, moving or otherwise making changes to any structure, Residential or Commercial.
- **Jurisdiction:** This is the geographic area representing the properties over which a Permitting Authority has responsibility.
- **GC:** General Contractor. Usually the primary contractor hired for any Residential or Commercial construction work.
- **Sub:** Subordinate contracting companies or subcontractors. Usually a "trades" contractor working for the GC. These contractors generally have an area of expertise in which they are licensed like Plumbing, Electrical, Heating and Air systems, Gas Systems, Pools etc. (called "trades").
- **Journeymen:** Sub contractors who have their own personal licenses in one or more trades and work for different contracting companies, wherever they are needed or there is work.
- **HVAC (Mechanical, Heating & Air companies):** HVAC = Heating, Ventilation, and Air Conditioning.
- **ELEC (Electrical, TempPole, TPole, TPower, Temporary Power, Panel, AMP Change, Power Release):** Electrical permits can be pulled for many reasons. The most common reason is to increase the AMPs of power in an electrical power panel. This requires a permit in almost every jurisdiction. Other commons reason for Electrical permits is to insert a temporary power pole at a new construction site. Construction requires electricity, and in a new development, power has yet to be run to the lot. The temporary power pole is usually the very first permit pulled for new development. The power is released to the home owner when construction is complete and this sometimes takes the form of a Power Release permit or inspection.
- **"Pull" a permit:** To obtain and pay for a building permit.
- **CBO:** Chief Building Official
- **Planning Department:** The department in the development process where the building /structural plans are reviewed for their completeness and compliance with building codes
- **Zoning Department:** The department in the development process where the site plans are reviewed for their compliance with the regulations associated with the zoning district in which they are situated.
- **Zoning District:** A pre-determined geographic boundary within a jurisdiction where certain types of structures are permitted / prohibited. Examples are Residential structure, Commercial/Retail structures, Industrial/Manufacturing structures etc. Each zoning district has regulations associated with it like the sizes of the lots, the density of the structures on the lots, the number of parking spaces required for certain types of structures on the lots etc.
- **PIN (TMS, GIS ID, Parcel#):** Property Identification Number and Tax Map System number.
- **State Card (Business license):** A license card issued to a contractor to conduct business.
- **Building Inspector (Inspector):** The inspector is a building department employee that inspects building construction for compliance to codes.
- **C.O.:** Certificate of Occupancy. This is the end of the construction process and designates that the owners now have permission to occupy a structure after its building is complete. Sometimes also referred to as a Certificate of Compliance.

GLOSSARY

Permit Content Definitions

- Permit Number: The alphanumerical designation assigned to a permit for tracking within the building department system. Sometimes the permit number gives clues to its role, e.g. a "PL" prefix may designate a plumbing permit.
- Description: A field on the permit form that allows the building department to give a brief description of the work being done. More often than not, this is the most important field for EP's to find clues to the prior use(s) of the property.
- Permit Type: Generally a brief designation of the type of job being done. For example BLDG-RES, BLDG-COM, ELEC, MECH etc.

Sample Building Permit Data

Date: Nov 09, 2000
Permit Type: Bldg -
New Permit Number: 101000000405
Status: Valuation: $1,000,000.00
Contractor Company: OWNER-BUILDER
Contractor Name:

Description: New one store retail (SAV-ON) with drive-thru pharmacy. Certificate of Occupancy.

Limited Chain of Title Search

PHASE I
ENVIRONMENTAL SITE ASSESSMENT

Duke Diet and Fitness Center

(PIN: 0822-20-81-4223)
Durham County, North Carolina

Grantor Name	Grantee Name	Book (Deed/Will)	Page Number	Date
Young Men's Christian Association of Durham, North Carolina	Duke University.	1076	386	February 17, 1982

Appendix F

Qualifications

Qualifications:

The environmental professionals conducted this Phase I ESA for The John R. McAdams Company declare, to the best the their professional knowledge and belief, they meet the definition of an "Environmental Professional" and have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property, and have performed the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

George Buchholz, REM, PWS
Environmental Scientist

George comes to The John R. McAdams Company with more than 18 years of experience in environmental engineering. His expertise is concentrated in Phase I Environmental Site Assessments, permitting, National Environmental Policy Act (NEPA) documentation, Natural Resource Technical Report (NRTR) documentation, threatened and endangered species habitat assessments, and cultural resource assessments. He has obtained the OSHA 40-Hour HAZWOPER Certification and performed several Phase I Environmental Site Assessments primarily within the states of North Carolina and Virginia; however, has also performed investigations within Maryland, Georgia, and Florida. He has specialized training within the areas of Phase I Environmental Site Assessments, wetland delineations and mitigation, habitat and functional assessments, NEPA documentation, stream assessments and restoration, wetland mitigation, habitat and functional assessments, and cultural resource assessments.

James M. Halley, P.E.
Senior Project Manager

James M. Halley, P.E., Senior Project Manager in the Stormwater and Environmental Division has 15 years of environmental engineering experience, is licensed as a professional engineer in Virginia, North Carolina, Pennsylvania, Georgia, and South Carolina and also has obtained the OSHA 40-Hour HAZWOPER Certification. Mr. Halley's environmental project experience includes sites associated with underground storage tanks, dry cleaners, highway projects and facilities, mercury from industrial processes, lead from battery disposal areas and paint blasting areas, and investigations prompted by litigation and property transactions. During his career, Mr. Halley had the opportunity to be the Site Manager and an National Priorities List (NPL) Superfund Site and perform site work using supplied air under Level B personal protective equipment (PPE) conditions. His experience includes Phase I Environmental Site Assessments, Phase II subsurface investigations, and Phase III projects where he has had direct experience in remediation system design. Mr. Halley has performed a variety of soil, water, and air sampling, and has installed monitoring wells in soil and bedrock to assess subsurface contamination. Mr. Halley's background and experience working in the field of site contamination makes him well suited to be involved Phase I Environmental Site Assessments.

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APPENDIX O

DURHAM

1869

CITY OF MEDICINE

Limited Hazardous Materials Survey Report

CONTRACT: SP-2017-01

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HAZARDOUS MATERIALS SURVEY REPORT

Former Duke Diet and Fitness Center
808 West Trinity Avenue
Durham, North Carolina 27701

PREPARED FOR:

Wildlands Engineering
312 West Millbrook Road, Suite 225
Raleigh, North Carolina 27609

ISSUE DATE: August 22, 2017

F&R PROJECT NUMBER: 66V-0025

CONDUCTED/PREPARED BY:

CHRISTOPHER P. SHAW, CIH
CERTIFIED INDUSTRIAL HYGIENIST

REVIEWED BY:

JESSE D. PHILLIPS
SENIOR ENVIRONMENTAL PROFESSIONAL

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Section 1
Asbestos-Containing Materials

Section 2
Polychlorinated Biphenyls

Appendix F

Photographic Documentation

Section 1
Asbestos-Containing Materials

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Lead-Based Paint

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Appendix G

Explanation of XRF Data Table
XRF Data Table
XRF Performance Characteristic Sheet

1.0 INTRODUCTION

Froehling & Robertson, Inc. (F&R) conducted a Hazardous Materials Survey on various dates during the months of May and June of 2017 at the Former Duke Diet and Fitness Center located at 808 West Trinity Avenue in Durham, North Carolina. It is F&R's understanding that the structure is to be the subject of planned demolition which will impact building materials. The below sections document the survey procedures and results. Refer to Appendix A for Personnel Accreditation documentation of F&R personnel associated with this survey.

1.1. Purpose

The purpose of the Limited Hazardous Materials Survey is to identify Asbestos-Containing Materials (ACMs), Lead-Based Paint (LBP) coatings, Polychlorinated Biphenyls (PCBs), Universal Waste and other Regulated Materials (ozone depleting substances, electronic waste, etc.) that may require appropriate removal, handling, and disposal procedures prior to planned demolition activities at the subject property. This survey is to aid in the determination of health and safety requirements during the conduct of work which may impact identified materials, as well as the preliminary classification of hazardous building materials for possible recycling activities.

1.2. Site Description

The structure consists of a one-story brick/block framed facility with two distinct roofing structures and a crawlspace beneath a portion of the structure; the Recreation and Boiler Rooms are partially situated below grade. The main roof is a flat built-up rubber membrane roof with a fiberboard base set into a roof grid and is open to the interior; drainage is achieved via roof drains. The Pool and Gym roofs are a pitched built-up gravel roof with drainage via gutters on the northern side of the building; the Gym roof consists of a fiberboard base set into a roof grid and is open to the interior, the Pool roof consists of a cement board set into a roof grid and is open to the interior. Typical interior finishing materials consists of carpet, floor tile, ceramic tile, or linoleum flooring on concrete; walls consist of drywall, plaster, brick, or block; ceilings consist of a drop ceiling, plaster, or drywall. The Gym ceiling consists of coated fiberboard as part of the roofing structure; the Recreation Room, Hallways and Rooms (above drop ceilings, drywall, or plaster), and the Boiler Room ceilings consists of un-painted/un-coated fiberboard as part of the roofing structure; the Pool and associated Mechanical Room ceiling consists of a cement board as part of the roofing structure. Fiberboard and cement board as part of the roofing structure is laid into a support grid similar to a drop ceiling with ceiling tiles laid into a support grid.

Note that F&R utilized Hallway and Room numbers as they were labeled on-site; such designations are expected to persist throughout the project. Architectural/Mechanical drawings were not provided. Refer to Appendix B for facility sketches created by F&R based upon site conditions observed at the time this survey was conducted.

1.3. Background

F&R was provided with a previous survey report prepared by ECS Carolinas, LLP as titled *Limited Asbestos and Lead-Based Paint Survey* and dated December 29, 2011. As the previous report title indicates, the previous survey assessed portions of the structure in a limited capacity for both Asbestos and Lead. As such, the provided previous survey was not sufficient to constitute a thorough building survey as required for demolition purposes with regard to applicable Federal and State regulations. The aforementioned previous survey report is included for reference as Appendix C – Historical Documentation.

2.0 SCOPE OF SERVICES

As outlined in F&R proposal number 1766-00411 and appropriate amendments, the survey included the following services:

- Identification and sampling, as necessary, of suspect ACMs.
- Determine the presence, location, and estimated quantity of identified ACMs.
- Testing, as necessary, of surface coatings for the presence of Lead.
- Identification and sampling, as necessary, of suspect Polychlorinated Biphenyls (PCB)-Containing caulking, building materials, and potentially contaminated soils.
- Visual survey for PCB-Containing Equipment (e.g., Fluorescent Light Ballasts).
- Visual survey for Universal Wastes (e.g., Mercury-Containing Equipment, Mercury Lamps, and Batteries).
- Visual survey of Other Regulated Materials (e.g., equipment containing Ozone Depleting Substances, Tritium Exit Signs, and Electronics).

F&R was also requested to prepare abatement project design specifications for materials within the structure which may require abatement and/or special handling and disposal considerations. The abatement project design specifications will be provided under a separate cover to be incorporated as part of a larger project manual for bidding purposes.

3.0 LIMITED ASBESTOS-CONTAINING MATERIALS SURVEY

F&R's North Carolina Health Hazards Control Unit (HHCU) Accredited Asbestos Building Inspector, Christopher P. Shaw (NC Asbestos Accreditation #12860), conducted the Asbestos Survey of the current site structure located at 808 West Trinity Avenue in Durham, North Carolina on May 4th, 5th, and 16th of 2017. The noted Inspector was assisted by Paul M. Hughes (NC Asbestos Accreditation #12948).

Federal Regulations (40 CFR Part 61, Subpart M – National Emission Standard for Asbestos (NESHAP)), as well as North Carolina State Regulations (10A NCAC 41C .0601 – Asbestos Hazard Management Program (AHMP)) require a thorough asbestos inspection of the structure to be

conducted prior to the commencement of renovation and/or demolition activities. An ACM is defined by the Occupational Safety & Health Administration (OSHA) and the Environmental Protection Agency (EPA) as any material containing greater than one percent (1%) asbestos.

3.1. Asbestos-Containing Materials (ACM) Methodology

This survey was conducted in general accordance with the Federal NESHAP and applicable State regulations for the presence of ACMs. The survey was characterized by a visual inspection and sampling of suspect building components at the subject property to be impacted by the proposed demolition activities.

Guidelines utilized in the asbestos survey were established by the EPA, ASTM International (ASTM), and The Environmental Information Association, Inc. (EIA). Utilized guidelines included: the Asbestos Hazard Emergency Response Act (40 CFR Part 763, Subpart E – Asbestos-Containing Materials in Schools (cited as AHERA)), ASTM Standard E2356-14 *Standard Practice for Comprehensive Building Asbestos Surveys*, and the EIA publication *Managing Asbestos in Buildings: A Guide for Owners and Managers – A Revision to the United States Environmental Protection Agency's 1985 document Guidance for Controlling Asbestos-Containing Materials in Buildings (EPA 560/5-85-024) Known as the Purple Book*.

F&R's aforementioned Industrial Hygienist(s) collected and submitted suspect asbestos-containing bulk samples to the laboratory, of which, a total of one-hundred-seventy-six (176) suspect asbestos-containing bulk samples with discernable layers were analyzed following positive stop direction to the Laboratory.

Collected samples of suspect ACMs were organized as per the AHERA concept of Homogeneous Area (HA) and transferred to the Laboratory under chain-of-custody procedures and analyzed via Polarized Light Microscopy in accordance with the EPA Method 600/R-93/116 by EMSL Analytical, Inc. in Morrisville, North Carolina (NVLAP Lab Code: 200671-0), an accredited Laboratory under the National Voluntary Laboratory Accreditation Program (NVLAP). Refer to Appendix D for Laboratory Certificates of Accreditations.

F&R collected bulk samples of roofing materials during this survey. Roof Core sample locations were temporarily patched, as later requested; however, F&R does not guarantee roof repairs and patches associated with sampling activities as F&R is not a professional roofer. Sampling activities were not coordinated with a professional roofing contractor; no contact information was provided or indicated as preferred by the Client.

3.2. Asbestos-Containing Materials Findings

The following material types were identified, sampled, and accordingly homogenized based upon similar construction discovered during bulk sampling:

- Built-Up Roofing
- Block / Brick / Mortar
- Concrete – Various Applications
- Vapor Barriers
- Fiberboard and associated Coatings
- Floor Materials
- Terrazzo
- Pipe Insulation Components / Gaskets
- Caulking / Sealants – Various Applications
- Roofing Tar
- Plaster – Two-Coat
- Vibration Dampers
- Mastics – Various Applications
- Ceramic Tile Mortar Base / Grout
- Wallpaper
- Cement Board

Refer to Appendix E: Section 1 Laboratory Certificates of Analysis and Bulk Sample Chain of Custody Forms for further description of sampled materials / analytical results.

3.3. Asbestos-Containing Materials Inventory

The following table presents identified materials containing more than 1% asbestos, as well as presumed materials with regard to F&R survey activities and verified information obtained from Owner provided previous reports. Estimated quantities of the ACMs identified are provided for use in development of budgetary estimates for demolition and may not accurately represent all materials present. Photographic documentation of ACMs for reference is provided as Appendix F: Section 1.

ASBESTOS-CONTAINING MATERIALS INVENTORY			
Material Description	**Material Location(s)**	**Result (Percent ACM)**	**Estimated Quantity**
Interior			
Fiberboard Coating [1]	Gym – Ceiling	3% Chrysotile	10,000 SF
Caulking (White/Grey) *	Exterior Doors [5] – Masonry Opening Windows [5] – Masonry Opening	2-3% Chrysotile	18 SF (200 LF)
Carpet / Floor Tile Mastic (Yellow/Black)	Throughout – Beneath Carpet and Floor Tile	3-5% Chrysotile	10,500 SF
Leveling Compound [2]	Throughout – Beneath Carpet and Floor Tile	35% Chrysotile	1,050 SF (10% of Area)
"Cobblestone" Linoleum Flooring (A) and Mastic (B) [3]	Suite 120 / Kitchen – Linoleum Flooring	30% Chrysotile (A) 10% Chrysotile (B)	1,000 SF
Corrugated/Cardboard Type Pipe Insulation	Pool Mechanical Room – Off/On Component	60% Chrysotile	20 CF / 50 LF

ASBESTOS-CONTAINING MATERIALS INVENTORY			
Material Description	**Material Location(s)**	**Result (Percent ACM)**	**Estimated Quantity**
Insulated Fittings / Elbows	Pool Mechanical Room / Crawlspace / Boiler Room	25 – 65% Chrysotile	10 / 50 / 20 Units
Asbestos Cement Board [4]	Pool / Pool Mechanical Room – Ceiling	20% Chrysotile	6,000 SF
6" Covebase Mastic	Throughout (much of the covebase is removed)	3-5% Chrysotile	135 SF (1,600 LF)
White Pipe Ends	Boiler Room	10% Chrysotile	25 Units
Fire Doors	Throughout	Assumed	40 Units
Exterior			
Caulking (White/Grey) *	Door and Window Masonry Opening (Excluding North Alley Doors / Entrance Non-Operable Windows/Doors / Pool Glass Curtain Wall)	3-5% Chrysotile	18 SF (200 LF)

SF = Square Feet | LF = Linear Feet | CF = Cubic Feet | TBD = To Be Determined

* These caulking materials contain some level of PCB content ranging from .84 mg/Kg – 5.8 mg/Kg. Additionally asbestos containing caulking associated with exterior doors which are painted blue have a Lead content greater than 1.0 mg/cm^2. See appropriate sections of this Report for additional details regarding PCB and Lead content.

[1] The Fiberboard Coating on the Gym Ceiling is approximately thirty (30) feet above the Gym Floor. The finished Gym Floor has since been removed exposing a diagonal planked subfloor. In many areas, finishing nails protrude from subfloor. The Fiberboard itself constitutes the bottom layer of the roofing system which is laid into a support grid similar to that of a drop ceiling with ceiling tiles laid into a support grid.

[2] Leveling Compound has been observed in various locations beneath flooring finishes and is friable. For quantification purposes, it is assumed that this material is present on approximately 10% of the flooring area beneath current flooring finishes; actual quantity may vary.

[3] "Cobblestone" Linoleum Flooring utilized within Suite 120 is beneath a layer of non-asbestos vinyl floor finish.

[4] Asbestos Cement Board located at the ceiling in the Pool / Pool Mechanical Room is approximately thirty (30) feet in height and constitutes the bottom layer of the roofing system which is laid into a support grid similar to that of a drop ceiling with ceiling tiles laid into a support grid.

[5] Asbestos-Containing White/Grey Caulking was found within the masonry opening of several exterior doors and windows. Newer, non-asbestos caulking may conceal this material.

F&R presumes that, where materials have been documented to be ACMs and where those materials are similar to other materials which have not been found to be positive, those similar materials will be considered to be ACMs (i.e. where one material was analyzed and found to be positive, it is prudent to consider other similar materials positive, despite potential analytical data to the contrary).

3.4. Asbestos-Containing Materials Recommendations

As detailed above, several materials were identified as asbestos-containing and utilized in various instances through the structure. Additionally, off-component pipe insulation debris litters the floor throughout the building from previously removed copper piping. As such, a limited number of ACM bulk samples were collected with regard to the off-component pipe insulation debris. Analytical results of such samples indicated sampled materials from the hallways to be non-asbestos containing; however, samples collected in the Pool Mechanical Room were found to be asbestos-containing. In addition, on-component insulated pipe fittings located within the Pool Mechanical Room, Crawlspaces, and Boiler Rooms were analytically determined to be asbestos-containing. As a result of asbestos-containing pipe insulation and fittings identified within portions of the building, the possibility of friable asbestos-containing off-component thermal systems insulation (TSI) material debris contaminating the building cannot be precluded.

Prior to demolition activities, F&R recommends that all identified ACMs be appropriately removed, handled, and disposed of by an Abatement Contractor utilizing appropriately accredited personnel.

With regard to the facility in terms of asbestos abatement activities, the HHCU considers portions of the facility to be a Public Building based upon historical use despite being vacant for a number of years and planned demolition activities. As such, State regulations require that a third party Asbestos Professional be retained to provide on-site surveillance (visual inspection and during abatement air monitoring / clearance air monitoring) of asbestos abatement activities with regard to Regulated Asbestos-Containing Materials (RACM). F&R further recommends that the third party Asbestos Professional be present for the duration of the abatement project and authorized to provide guidance to the Asbestos Abatement Contractor during the Project to confirm complete and proper removal/disposal of ACMs in accordance with all applicable federal, state, and local regulations. This recommendation is made as a best practice to reduce potential exposure to workers and limit liability.

The Client should note that F&R has encountered instances in which materials were analyzed by Polarized Light Microscopy (PLM) (following EPA Method 600/R-93/116) for the presence of asbestos with a result of “None Detected”, but when analyzed by Transmission Electron Microscopy (TEM) for Non-friable, Organically Bound (NOB) bulk material, analytical results have indicated that asbestos is present in quantities greater than 1%. The client should be aware that F&R has samples analyzed by the PLM method for a number of reasons (including financial and time considerations) and that this method is considered acceptable in the State of North Carolina; however some firms employ the more stringent TEM method which is required in some states. Therefore, it is possible that some materials identified as containing no asbestos within this report may, if subjected to a more stringent analytical method, reveal the presence of asbestos at concentrations of 1% or greater.

In addition, It should be noted that through NESHAP Applicability Determinations, asbestos bulk samples analyzed via PLM which indicate a result of asbestos content to be less than ten (10) percent, including trace amounts (<1%), the material in question shall either be assumed to be an ACM or further analyzed via PLM Point Count or TEM to verify asbestos content. Results obtained via PLM Point Count or TEM analysis shall supersede previous results obtained by standard PLM analysis. Samples with analytical results via PLM which indicate that no asbestos was detected are not required to be further analyzed via PLM Point Count or TEM.

Should additional suspect ACMs be discovered during renovation and/or demolition activities that have not been sampled and will be disturbed, F&R recommends all work be temporarily halted. Samples of suspect materials should be collected, analyzed, and handled accordingly prior to the resumption of renovation and/or demolition activities.

3.5. Applicable Regulations

3.5.1. EPA/NESHAP Regulations for Asbestos-Containing Materials

The U.S. Environmental Protection Agency promulgated the National Emission Standards for Hazardous Air Pollutants (NESHAP) [40 CFR Part 61], which addresses the application, removal, and disposal of asbestos-containing materials (ACM). Under NESHAP the following categories are defined for asbestos-containing materials:

Friable - When dry, can be crumbled, pulverized, or reduced to powder by hand pressure.

Non-friable - When dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.

Category I Non-friable ACM - Packings, gaskets, resilient floor coverings, and asphalt roofing products containing more than 1% asbestos.

Category II Non-friable ACM – Any material, excluding Category I Non-friable ACM, which contains more than 1% asbestos.

Regulated Asbestos Containing Material (RACM) – One of the following:

1. Friable ACM
2. Category I Non-friable ACM that has become friable.
3. Category I Non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading.
4. Category II Non-friable ACM that has a high probability of becoming, or has become, friable by the forces expected to act on the material in the course of demolition or renovation operations.

Under NESHAP, the following actions are required:

1. Prior to the commencement of demolition or renovation activities, the building owner must inspect the affected facility or part of the facility where the demolition or renovation activities will occur for the presence of asbestos.

2. Remove all RACM from the facility before any activity begins that would break up, dislodge, or similarly disturb the material or preclude access for subsequent removal.

3. RACM need not be removed if:

   a) It is Category I non-friable ACM that is not in poor condition.
   b) It is on a facility component that is encased in concrete or other similar material and is adequately wet whenever exposed.
   c) It was not accessible for testing and was therefore not discovered until after demolition began and because of the demolition the material cannot be safely removed.
   d) It is Category II non-friable ACM and the probability is low that the material will become crumbled, pulverized, or reduced to powder during demolition.

3.5.2. North Carolina Asbestos Hazard Management Program

The North Carolina Health Hazards Control Unit (HHCU) administers the Asbestos Hazard Management Program (AHMP) which accredits individuals and issues permits for asbestos removal projects on behalf of the Federal NESHAP program which has been delegated to the State of North Carolina.

For more information, visit the North Carolina HHCU website at:
http://epi.publichealth.nc.gov/asbestos/ahmp.html.

3.5.3. OSHA Asbestos Regulations

The Occupational Safety and Health Administration (OSHA) regulates employee exposure to asbestos under 29 CFR 1926.1101 and 29 CFR 1910.1001. Work associated with known or suspect ACMs must be conducted according to these regulations in addition to the noted EPA regulations.

4.0 LIMITED LEAD-BASED PAINT SURVEY

F&R's North Carolina Health Hazards Control Unit (HHCU) Certified Lead-Based Paint Inspector/Risk Assessor, Paul M. Hughes (NC LBP Certification #120261), performed the testing of surface coatings for lead at the current site structure located at 808 West Trinity Avenue in Durham, North Carolina on May 4th, 5th, and 16th of 2017. The noted Inspector was assisted by Christopher P. Shaw (NC LBP Certification #120257).

Based on the nature of this survey, when one component tests positive for the presence of lead all similar painted / coated components shall be assumed to be lead-containing, unless additional testing is performed.

4.1. Lead-Based Paint Survey Methodology

The survey was conducted in general accordance with EPA's work practice standards for conducting LBP activities (40 CFR 745.227), and the HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (Second Edition, July 2012); however, this was not a comprehensive surface-by-surface investigation for LBP, but rather a screening survey of coated surfaces where the presence of LBP is suspected.

4.1.1. XRF Testing

Sampling of surface coatings was conducted utilizing a Heuresis Pb200i X-Ray Fluorescence (XRF) Lead Paint Analyzer (Serial Number 1460).

The XRF contains a small radioisotopic source and operates on the principle of x-ray fluorescence, whereby lead atoms in a surface coating are stimulated to emit characteristic x-rays, which are then detected by the instrument. Levels of lead are reported in units of milligrams per square centimeter (mg/cm^2). The XRF can measure surface or non-surface concentrations of lead with 95% accuracy at the HUD action level of 1.0 mg/cm^2. The XRF is able to accurately detect a concentration as low as 0.1 mg/cm^2 of lead. The XRF classifies coated surfaces as "positive", "negative", or "null" for lead content based on the action level (1.0 mg/cm^2) and the performance characteristics of the XRF. The XRF was checked for calibration before and after the survey. The calibration was checked against a standard reference material (1.04 mg/cm^2 NIST Standard) supplied by the XRF manufacturer. A copy of the XRF Performance Characteristic sheet is included as an attachment to this report.

Positive: Lead is present at or above the action level of 1.0 mg/cm^2 on *one or more* of the components.

Negative: Lead is not present at or above the action level of 1.0 mg/cm^2 on any of the components.

Null: Insufficient data was collected by the XRF during the sample time to determine if the surface is positive or negative (i.e. – premature removal or instrument slippage, terminating the test).

4.2. Lead-Based Paint Survey Findings

4.2.1. XRF Survey Results

A total of three-hundred-sixty-two (362) XRF readings, including calibration readings, were collected from the interior and exterior of the building. Thirty-three (33) of the readings collected at the Project site were positive for LBP when compared to the action level of 1.0 mg/cm². Refer to Appendix G, XRF Data Table for a complete listing of all positive readings and respective information as well as an explanation of the data table and the Performance Characteristic Sheet.

It should be noted that color descriptions are subjective and that, due to the nature of the environment, identical colors may have been labeled as different depending on the lighting, other colors in the area, and other factors.

4.2.1.1. Locations of Detected Lead-Based Paint

Based on the detection of LBP on specific component types and our observation of an apparent homogenous painting history, the following building components should be considered to be coated with LBP:

LEAD-BASED PAINT MATERIALS INVENTORY		
Material Description	**Material Location(s)**	**Color**
Interior		
Steel Webbing & Roof Grid Components	Gym Ceiling	Blue
Steel Webbing & Roof Grid Components	Pool Ceiling	White
Steel Webbing & Roof Grid Components	Recreation Room	Red
Ceramic Wall Tile	Throughout (Rooms, Bathrooms, Locker Rooms, Pool, etc.)	White/Red/Blue/Green
Door Components	Entry to the Men's Locker Room	Tan/White
Bathroom Fixtures	Men's Locker Room	White
Door Components	Entrance to the Dining Room	Dark Blue
Exterior		

LEAD-BASED PAINT MATERIALS INVENTORY		
Material Description	**Material Location(s)**	**Color**
Metal Ladder	Ladder form the Main Roof to the Pool Roof	Red
Door Components	Into the Dining Room	Blue
Metal Grate	North Side into the Boiler Room	Blue
Door Components	East Side into the Gym	Blue
Plaster Soffit	Main Entrance Overhang	Tan/White

The above table details only those building materials with painted and/or coated surfaces with a reported lead concentration greater than or equal to 1.0 mg/cm^2. However, readings of the majority of painted or coated surfaces indicated a lead content between 0.1 mg/cm^2 and 0.9 mg/cm^2.

Caulking materials associated with interior and exterior door components may additionally contain asbestos and/or PCBs. See appropriate sections of this Report for additional details regarding asbestos and PCB content.

4.3. Lead-Based Paint Conclusions & Recommendations

This survey concludes that building components located on both the exterior and interior of the structure contain lead-based paint / coatings. Photographic documentation of lead-containing paint / coatings on building materials is presented in Appendix F: Section 2.

F&R recommends that all activities which may disturb and be subsequently categorized for disposal are conducted following all appropriate Federal and State regulations. Federal regulations with regard to worker safety and disposal requirements are summarized in the following Section – Applicable Regulations; this is not an exhaustive list.

4.4. Applicable Regulations

4.4.1. OSHA Regulations for Lead-Based Paint

While the majority of materials tested at the site were negative for lead based paint and/or surface coatings, any painted and/or coated surface or material containing lead may contain sufficient concentrations of lead, which when disturbed, may generate lead dust greater than the "Action Level" concentration of 30 micrograms per cubic meter (µg/m^3) or greater than the "Permissible Exposure Limit" of 50 micrograms per cubic meter established by the OSHA "Lead Exposure in Construction Rule" (29 CFR 1926.62). The OSHA standard does not define acceptable

levels of lead in paint at which no exposure to airborne lead (above the action level) would be expected; however, guidance is available for work practices which present the highest risk for lead exposure to workers. Rather, OSHA defines airborne concentrations and references specific types of work practices and operations from which a lead hazard may be generated (reference 29 CFR 1926.62, section d). Environmental and personnel monitoring should be conducted during any removal or demolition process (as applicable) to determine actual personal exposure. This monitoring information can be used to determine the levels of personnel protection and environmental controls required for work involving specific removal/demolition processes on specific structures. Under OSHA requirements, the Contractor performing the work will be required to conduct this monitoring. It is important to note that environmental controls will vary dependent upon the content of lead in paint, the process used to remove it, duration of the work, and the amount of paint to be removed.

F&R recommends that all workers disturbing painted (or coated) surfaces as part of this project receive OSHA Lead in Construction Awareness training and that engineering controls and hygiene practices described in 29 CFR 1926.62 be followed during the disturbance of painted (or coated) surfaces.

4.4.2. EPA Regulations for Lead-Based Paint

For disposal of construction/demolition debris that has LBP, testing may be required as specified by the Environmental Protection Agency (EPA) for lead content to determine proper disposal. EPA regulations require that a generator of waste determine if that waste is hazardous by performing testing in accordance with the requirements of 40 CFR 261.11 or for wastes that may be RCRA hazardous (such as items with high lead content), the generator may assume that the waste is hazardous and comply with the hazardous waste regulation. The need for determination of disposal may be additionally subject to the disposal and/or recycling facility utilized.

5.0 LIMITED PCB-CONTAINING MATERIALS SURVEY

F&R's Certified Industrial Hygienist, Christopher P. Shaw (ABIH CP#11219), aided by Paul M. Hughes, conducted bulk sampling of caulking, building materials, and soil for PCB content analysis, as well as conducted a visual survey for PCB-containing building materials at the current site structure located at 808 West Trinity Avenue in Durham, North Carolina on May 4-5th, June 13th, and June 30th of 2017.

According to the EPA, Polychlorinated Biphenyls (PCBs) are man-made organic chemicals which have no taste or smell and vary in use and consistency from an oil (e.g., electrical or hydraulic equipment) to being used as a constituent in a solid (e.g., caulking). PCBs were banned in 1979 under the Toxic Substances Control Act (TSCA) and are regulated under the associated EPA rule 40 CFR 761. Materials which may include PCBs include electrical equipment and devices, oils in motors and hydraulic systems, Fluorescent Light Ballasts (FLBs), cable insulation, thermal

insulation materials, adhesives, oil-based paints, caulking, plastics, carbonless copy paper, and floor finishes. In total, there are 209 PCB component mixtures or congeners which are most commonly referred to by the industrial trade name Aroclor. For additional general information regarding PCBs, refer to the EPA website.

5.1. PCB-Containing Materials Sampling Methodology

The survey was conducted in general accordance with EPA's PCB regulations (40 CFR 761), the *Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs)* dated May 2011, as well as readily available guidance found on the EPA website. A PCB-Containing Material is generally described by the EPA as a building material, oil-filled electrical equipment, etc. containing a concentration of PCBS greater than 50 parts per million (ppm).

5.1.1. Bulk Sampling

Collected bulk samples of suspect caulking were organized as per the AHERA concept of Homogeneous Area (HA); caulking samples were composited for analysis. Bulk samples of suspect contaminated building materials and soils were additionally collected for analysis. All collected samples were transferred to the Laboratory under chain-of-custody procedures and analyzed in accordance with EPA Method SW-846 8082A by Con-Test Analytical Laboratory in East Longmeadow, Massachusetts.

5.1.2. Visual Review

F&R visually inspected building components for the labeled presence of PCBs. Specific components inspected included transformers, electrical equipment, and FLBs.

FLBs are the electrical components attached to fluorescent light fixtures usually found under a metal cover-plate. Polychlorinated biphenyls (PCBs) were historically used in FLBs because of the superior electrical insulating capabilities. Based on EPA guidance on PCB-Containing FLBs, FLBs manufactured before July 1, 1979 may contain PCBs; FLBs manufactured between July 1, 1978 and July 1, 1998 that do not contain PCBs must be labeled "No PCBs" by the manufacturer; if an FLB is not labeled "No PCBs", it is shall be assumed to contain PCBs unless it is known to be manufactured after 1979; FLBs manufactured after 1998 are not required to be labeled but should not contain PCBs.

5.2. PCB Bulk Sampling & Visual Review Results

5.2.1. Bulk Sampling

Caulking and Building Materials
While the majority of caulking at the facility did not contain a PCB content greater than the EPA threshold limit of 50 ppm, one caulking located on the exterior of the building associated with the North-West Expansion Joint, as well as the Building Joint and the Exterior Hallway Door within the North Alley yielded a result of 210,000 - 220,000 mg/Kg (ppm) PCBs. Materials with PCB content <50 ppm may still pose a concern with regard to potential contamination of adjoining building materials and/or soil.

As a result of the identified aforementioned PCB-containing caulking, bulk samples of building materials adjacent to the caulking in the North-West Expansion Joint were collected and analyzed. Bulk samples of adjoining brick and mortar were collected approximately one (1) brick course away from and on both sides of the identified caulking. Analytical results of brick and mortar samples indicated concentrations of PCBs to be less than 1 mg/Kg (ppm).

Additionally, a bulk sample of asphalt concrete was collected at the building in the North Alley adjacent to the caulked expansion joint and door frame which yielded an analytical result of 19.2 mg/Kg (ppm).

The following table presents materials with detectable concentrations of PCBs:

PCB CAULKING AND BUILDING MATERIALS INVENTORY			
Material Description	**Material Location(s)**	**Concentration mg/Kg (ppm)**	**Estimated Quantity**
Interior			
Caulking (White/Grey) [1]	Door and Window Masonry Opening (Excluding North Alley Doors / Entrance Non-Operable Windows/Doors / Pool Glass Curtain Wall)	.84 – 5.3	200 LF (18 SF)
Caulking	Wash Room Counters	1.1	20 LF (2 SF)
Exterior			
Caulking	North – Chiller Pipe Ends	13.9	4 SF
Caulking	North-West Expansion Joint / North Alley Expansion Joint and Hallway Door Masonry Opening	210,000 – 220,000	55 LF (5 SF)
Glazing	North-West – East-South – South-East Windows	1.0	270 LF (23 SF)
Caulking	Entrance Non-Operable Window Masonry Opening	.87	140 LF (12 SF)
Caulking [1]	Door and Window Masonry Opening (Excluding North Alley Doors / Entrance Non-Operable Windows/Doors / Pool Glass Curtain Wall)	1.6 – 1.8	200 LF (18 SF)

PCB CAULKING AND BUILDING MATERIALS INVENTORY			
Material Description	**Material Location(s)**	**Concentration mg/Kg (ppm)**	**Estimated Quantity**
Building Materials	Brick and Mortar – North-West Expansion Joint	< 1.0	20 SF
Building Materials	Brick and Mortar / Asphalt – North Alley	< 1.0 / 19.2	55 SF

SF = Square Feet | LF = Linear Feet | CF = Cubic Feet | TBD = To Be Determined

[1] These caulking materials may contain asbestos and such materials associated with exterior doors which are painted blue have a Lead content greater than 1.0 mg/cm^2. See appropriate sections of this Report for additional details regarding asbestos and lead content.

Soil Contamination

To profile potential vertical and lateral soil contamination resulting from the two instances of PCB-Containing caulking identified above, bulk soil samples were collected from three depth intervals (0-6", 6"-12", and 12"-24") immediately beneath the caulking, as well as in semi-circular six (6) and twelve (12) foot radii from the source (caulking) at the North-West Expansion Joint; in the North Alley, vertical intervals were collected at the source and from two discrete points six (6) and 24 feet from the source. At the request of the Client, samples from select intervals and depths were analyzed.

The following table presents analytical results of collected and analyzed soil delineation samples:

PCB SOIL DELINEATION ANALYTICAL RESULTS			
Sample Location	**Sample Depth**		
	0" – 6"	**6" – 12"**	**12" – 24"**
North-West Expansion Joint			
Source			
Sample #SS-13:15	**4.0 mg/Kg (ppm)**	**0.38 mg/Kg (ppm)**	None Detected
6' Radius			
Sample #1	**0.11 mg/Kg (ppm)**	None Detected	None Detected
Sample #2	None Detected	None Detected	None Detected
Sample #3	0.079 mg/Kg (ppm)	None Detected	None Detected
12' Radius			
Sample #4	**0.26 mg/Kg (ppm)**	Not Analyzed	Not Analyzed
Sample #6	None Detected	Not Analyzed	Not Analyzed
Sample #8	None Detected	Not Analyzed	Not Analyzed
North Alley			
Source			
Sample #9	None Detected	None Detected	None Detected
Sample #10	**0.51 mg/Kg (ppm)**	None Detected	None Detected
6' Radius			

PCB SOIL DELINEATION ANALYTICAL RESULTS			
Sample Location	**Sample Depth**		
	0" – 6"	**6" – 12"**	**12" – 24"**
Sample #11	None Detected	None Detected	None Detected
North Edge of Alley (~24' Radius) Sample #14	None Detected	None Detected	None Detected

Refer to Appendix B: Facility Sketch – PCB Soil Delineation Sample Locations for a visual representation of approximate soil sample locations; Appendix E: Section 2 Laboratory Certificates of Analysis and Bulk Sample Chain of Custody Forms for further description of sampled materials / analytical results; Appendix F: Section 3 for photographic representation of PCB-containing caulking.

5.2.2. Visual Review

F&R personnel identified approximately 200 FLBs throughout the structure. F&R deconstructed several light fixtures and in nearly all cases, FLBs indicated "No PCBs"; however, the deconstructed light fixture in the Recreation Room did not indicate the usage of PCBs, present or otherwise. While the majority of deconstructed lighting fixtures indicated that PCBs were not present, based upon the age of the building, it is possible that older, unlabeled lighting fixtures may utilize PCB-containing FLBs.

PCB-containing electrical equipment was not identified during the visual review; however, F&R cautions that PCB-containing electrical equipment may be discovered during the decommissioning of the facility prior to demolition activities.

5.3. Conclusions and Recommendations

PCB-containing caulking, contaminated porous building materials and soil, as well as PCB-containing equipment should be removed and disposed of in accordance with 40 CFR 761 of the Toxic Substances Control Act (TSCA) and all other applicable federal, state, and/or local regulations, unless determined through laboratory analysis and/or equipment markings to be non-PCB-containing.

Caulking and Building Materials
PCB-containing caulk and/or adjoining building materials is considered PCB Bulk Product Waste if the concentration in caulk is greater than or equal to 50 parts per million (ppm). PCB bulk product waste must be disposed of in a non-hazardous solid waste landfill permitted by the State. Disposal in this manner does not require prior approval by the EPA, although generators must send a written notice to the landfill prior to shipment. Materials containing a PCB concentration of <50 ppm may require further evaluation and/or notification to the accepting facility prior to disposal.

Soil Contamination
PCB-contaminated soil is considered PCB Remediation Waste. Due to the planned change in land use of the Project Site, F&R recommends that contaminated soil be removed and cleaned up to a level of <1 ppm. PCB contaminated soil should be disposed of at an appropriately permitted hazardous waste landfill and may require prior approval by the EPA.

PCB-Containing Equipment
F&R recommends that all FLBs be inspected at the time of demolition to verify the presence or absence of PCB labeling. If no label is present, then the presence of PCB's should be assumed. If such light ballasts are encountered, the disposal of fluorescent light ballasts should be based upon the presence or lack thereof of PCBs and the condition of the ballasts (leaking, etc.). The best option for non-leaking PCB ballasts is to recycle them at an approved recycling facility. Non-leaking PCB ballasts that aren't recycled must be managed and disposed of as hazardous waste. Leaking PCB ballasts should be handled with extreme caution to avoid exposure, contamination, and liability. All applicable local, state, and federal regulations should be followed.

PCB-containing transformers removed from service can be temporarily stored up to 30 days on pallets while incorporating inspection safeguards. Otherwise, PCB Transformers that are stored for disposal in an area that meets the requirements of 40 C.F.R. § 761.65(b) must be disposed of within a year.

6.0 LIMITED UNIVERSAL WASTE MATERIALS SURVEY

F&R personnel conducted a limited visual survey of for Universal Wastes including Mercury-Containing Equipment and Lamps.

F&R personnel identified approximately 200 fluorescent lamps (throughout), 20 compact fluorescent lamps (Boiler Room, 121A, Locker Room 1/2, Suite 116), 50 high intensity discharge lamps (gym), and 5 mercury thermostats (Boiler Room).

F&R notes that newer lamps which are sold as low-mercury which are identified by green end caps (often referred to as "green-tipped" lamps) still contain 3-4 milligrams of Mercury and should be handled and disposed of properly.

F&R cannot preclude the presence of other mercury containing materials which were not accounted for.

6.1. Conclusions and Recommendations

Prior to demolition, Universal Waste items such as mercury thermostats, switches, or lighting components should be removed and disposed of/recycled according to regulatory guidelines by an appropriately licensed/certified contractor.

Mercury containing waste components are considered as hazardous waste materials in the State of North Carolina. Lighting fixtures are a universal waste and should be handled accordingly.

> Mercury-Containing Bulbs: In accordance with the federal Universal Waste Rule (see 40 CFR 273), bulbs should be placed in packaging that minimizes bulb breakage. Any broken bulbs must be stored separately in sealed containers. Used bulbs must be properly labeled. Those transporting lamps for recycling must comply with Department of Transportation regulations in 48 CFR 171-180.

7.0 LIMITED CHLOROFLUOROCARBONS SURVEY

Chlorofluorocarbons (CFCs) are organic compounds comprising carbon, fluorine, and chlorine which are have been widely used in various applications including refrigerants, blowing agents, propellants, and degreasers. CFCs are considered to be Class I ozone depleting substances (ODS) under the Clean Air Act and should be handled and managed appropriately. The manufacture of CFCs has been phased out under the Montreal Protocol and Section 601-607 of the Clean Air Act; however, equipment may still contain CFCs which were manufactured prior to the phase out. Other, non-CFC refrigerants can also contain combinations of molecules which are considered ozone-depleting as well. F&R conducted a visual survey of the renovation area in order to evaluate the presence of CFC-containing equipment.

7.1. Results

F&R identified the following suspect CFC-Containing equipment which includes three (3) water fountains located in the Hallways, two (2) HVAC units in the Gym, two (2) HVAC units located on the north exterior of the building, three (3) HVAC units located on the Gym roof, and one (1) HVAC unit located on the Main roof.

7.2. Conclusions and Recommendations

Prior to disposal of units, refrigerant fluids should be removed from the equipment and disposed of/recycled in accordance with applicable regulations.

If during demolition/renovation, equipment containing refrigerants, propellants, or other suspect CFCs are encountered, they should be removed and disposed of/recycled according to regulatory guidelines by a qualified contractor.

8.0 LIMITED OTHER REGULATED MATERIALS SURVEY

F&R conducted a visual survey the building contents in order to evaluate the presence of other obviously Regulated and/or potentially Hazardous Materials.

F&R observed multiple Regulated and/or potentially Hazardous Materials including, but not limited to Exit Signs and associated batteries, Smoke Detectors and associated batteries, Fire Extinguishers, and Remnant Electronics. Stored materials such as fuels, pesticides or herbicides, paints, paint thinners, etc. were not observed.

8.1. Conclusions and Recommendations

Prior to demolition activities, Regulated and/or potentially Hazardous Materials should be removed and disposed of/recycled according to regulatory guidelines by a qualified contractor. If additional chemicals of concern are revealed during work, they should be removed and disposed of/recycled according to regulatory guidelines by a qualified contractor.

Batteries: All batteries should be removed from equipment and transported for recycling in accordance with applicable regulations. Additional batteries likely associated with security, emergency lighting, and fire warning systems should be disposed of properly.

Fire Extinguishers: All chemical containing fire extinguishers should be removed, transported and disposed in accordance with applicable regulations.

Remnant Electronics: North Carolina has established an electronics recycling program under NC General Statues 130A-309.130 – 141 ("Discarded Computer Equipment and Television management") which prohibits disposal of certain electronics in landfills. All applicable electronics discovered during demolition activities shall be appropriately removed, transported, and disposed in accordance with aforementioned NC General Statutes.

9.0 LIMITATIONS

This report has been prepared for the exclusive use of the CLIENT and/or their agents. This service was performed in accordance with generally accepted environmental practices. No other warranty, expressed or implied, is made. Conclusions and recommendations are based, in part, upon information provided to us by others and site observations. We have not verified the completeness or accuracy of the information provided by others, unless otherwise noted. Observations and recommendations are based upon conditions readily visible at the site at the time of the site visit, and upon current industry standards.

During this study, suspect asbestos samples were submitted for analysis at an NVLAP-accredited laboratory via polarized light microscopy; suspect LBP was field characterized using industry standard methods and practices. As with any similar survey of this nature, actual conditions exist only at the precise locations from which samples were collected or tested. Areas inspected were limited to those designated by the scope of services by the Client. Certain inferences are based on the results of this sampling and related testing to form a professional opinion of conditions in areas beyond those from which the samples were collected. Visual evaluation of other materials of concern conducted comprised a cursory visual review of the building materials and, to a limited extent, contents of the facility. No other warranty, expressed or implied, is made. Reasonable effort was made by inspection personnel to locate and sample suspect materials within the structure with regard to the scope of services. However, for any facility, the existence of unique or concealed ACMs or LBP and debris is a possibility. F&R does not warrant, guarantee or profess to have the ability to locate or identify all ACMs, LBP, or other chemicals of concern in a facility.

Under this scope of services, F&R assumes no responsibility regarding response actions (e.g. O&M Plans, Encapsulation, Abatement, Removal, Tenant Notification, etc.) initiated as a result of these findings. F&R assumes no liability for the duties and responsibilities of the Client with respect to compliance with these regulations. Compliance with regulations and response actions are the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements and should be performed by appropriately qualified and licensed-personnel, as warranted.

Froehling & Robertson, Inc. by virtue of providing the services described in this report, does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies any conditions at the site that may present a potential danger to public health, safety, or the environment. The Client agrees to notify the appropriate local, state, or federal public agencies as required by law, or otherwise to disclose, in a timely manner, any information that may be necessary to prevent any danger to public health, safety, or the environment. The contents of the report should not be construed in any way as a recommendation to purchase, sell, or develop the project site. F&R retains the right to revise this report if new information is later discovered or made available. The report must be presented in its entirety.

Appendix A

F&R Personnel Accreditations

CHRISTOPHER P. SHAW, CIH

Certified Industrial Hygienist

cshaw@fandr.com

Education

B.A., Environmental Studies
Rowan University, 2008

Professional Affiliations

Certified Industrial Hygienist
(ABIH CP# 11219)

American Industrial Hygiene
Association (AIHA)

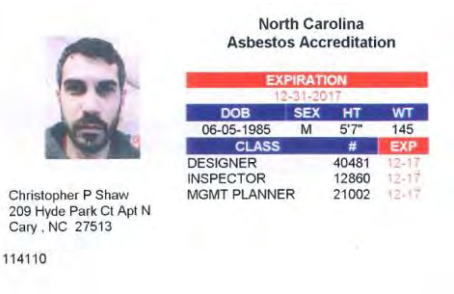
Years of Experience

1 Year with F&R
7 Years Total

Asbestos

Federal / North Carolina / South Carolina

- Building Inspector
- Management Planner
- Abatement Designer
- Abatement Supervisor Trained
- Abatement Project Monitor Trained
- NIOSH 582 Trained
- AHERA LEA Designee Trained



Lead Based Paint

Federal / North Carolina

- Inspector
- Risk Assessor
- RRP Renovator Trained
- XRF Radiation Safety Trained

OSHA Training

- Confined Space
- Slips, Trips, Falls
- 40-Hour HAZWOPER
- Hazard Communication
- Supported Scaffold

Additional Professional Training

- AIHA EIH I: Elemental Industrial Hygiene
- UNC OSHERC: Fundamentals of Industrial Hygiene
- ABIH Approved Ethics Trained
- Insurance Design Professional Liability Education Program
- FEMA ICS 100 / 200 / 700

PAUL M. HUGHES

Environmental Scientist

phughes@fandr.com

Education

B.S., Conservation Science
Muskingum College, 2006

Professional Affiliations

North Carolina Association
of Environmental Professionals

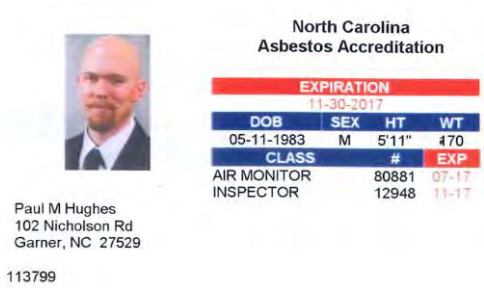
Years of Experience

6 Years with F&R
9 Years Total

Asbestos

Federal / North Carolina

- Air Monitor (#80881)
- Asbestos Inspector (#12948)
- Abatement Supervisor Trained
- NIOSH 582 Equivalent Trained

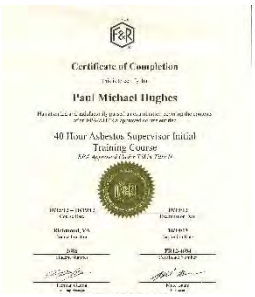


Paul M Hughes
102 Nicholson Rd
Garner, NC 27529

113799

North Carolina
Asbestos Accreditation

EXPIRATION			
11-30-2017			
DOB	SEX	HT	WT
05-11-1983	M	5'11"	170
CLASS		#	EXP
AIR MONITOR		80881	07-17
INSPECTOR		12948	11-17



Certificate of Completion

Paul Michael Hughes

40 Hour Asbestos Supervisor Initial Training Course

Lead Based Paint

North Carolina

- Inspector (#120261)
- Risk Assessor (#120261)
- XRF Lead Analyzer Trained
- XRF Radiation Safety Trained

NORTH CAROLINA
LEAD CERTIFICATION

Paul M Hughes
102 Nicholson Rd
Garner, NC 27529

DOB	SEX	HT	WT
05-11-1983	M	5'11"	165

DISCIPLINE	#	LAST COURSE	EXPIRATION
RISK ASSESSOR	120261	INS 04-11-2016 RIS 04-14-2016	04-30-2018

Certificate of Completion

This is to certify that

Paul Hughes

Has completed the

Online training course

On

4/6/2016

OSHA Training

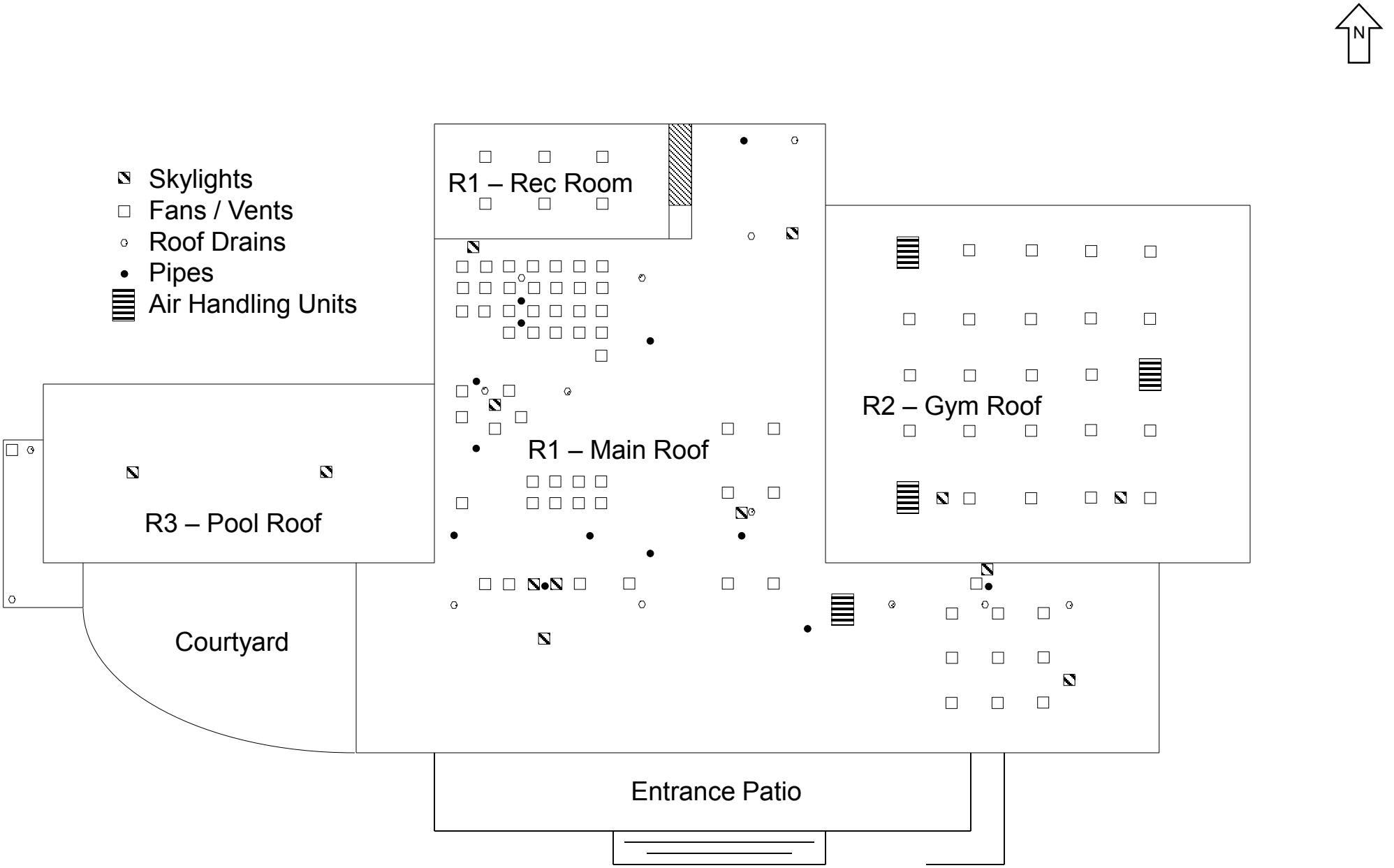
- 40-Hour HAZWOPER
- Confined Space Safety

Additional Professional Training

- N.C. Division of Water Quality Surface Water Identification and Training Course
- Ohio NRCS Wetland Delineation Training
- NRCS Hydrology Tools for wetland Restoration and determination
- Cultural Resources Training Series, Part 1
- Introduction to Conservation Forestry Planning
- Environmental Compliance for Conservatory Assistance
- ODNR Technician Development Program 1

Appendix B

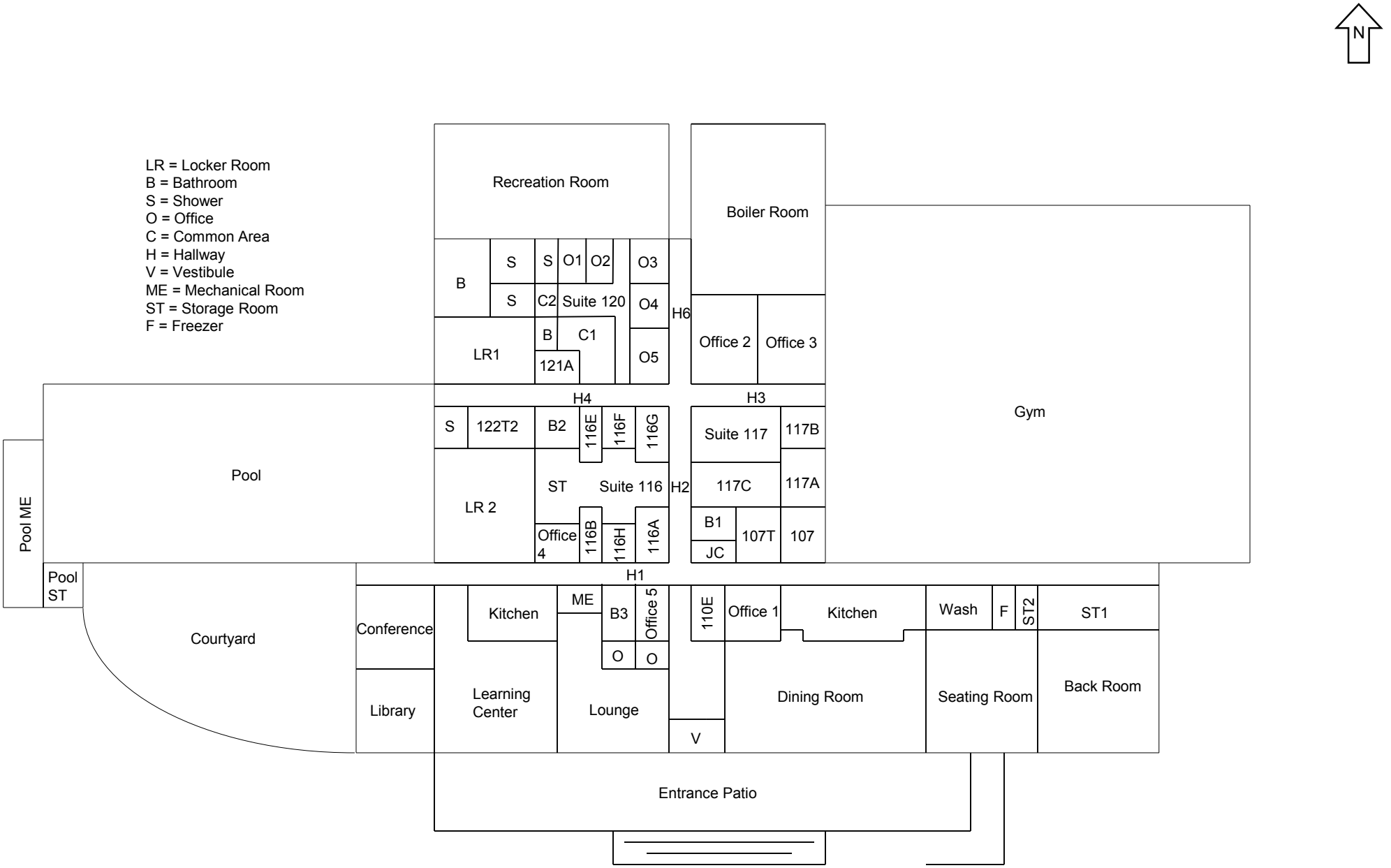
Facility Sketch:
Roofing / Exterior
Interior
PCB Soil Delineation Sample Locations



Froehling & Robertson, Inc.
Engineering • Environmental • Geotechnical
310 Hubert Street Raleigh, North Carolina 27603 I USA
T 919.828.3441I F 919.828.5751

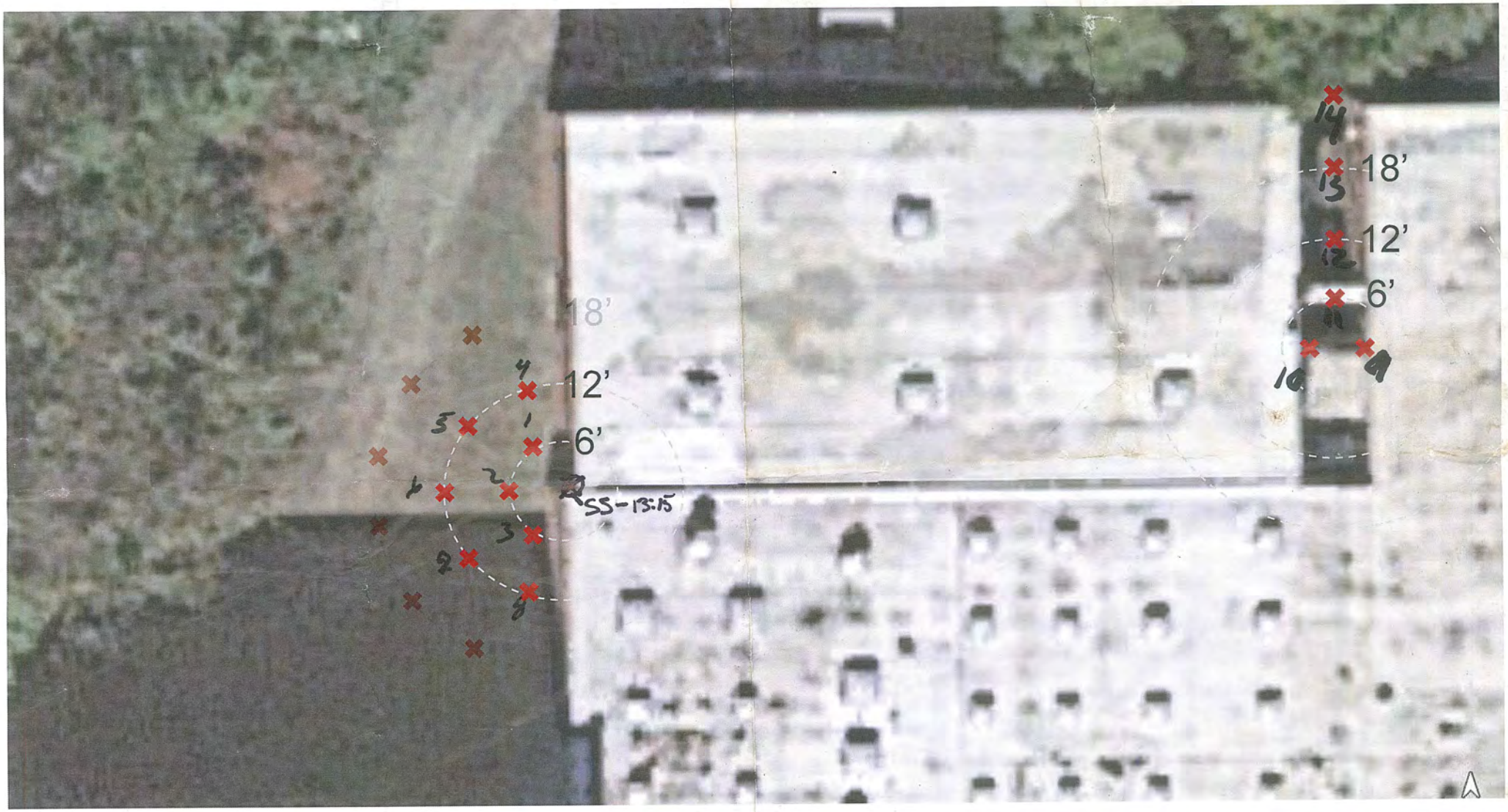
FACILITY SKETCH
ROOFING / EXTERIOR
808 West Trinity Avenue
Durham, North Carolina

Project No.:	66V-0025	**Scale:**	NTS
Date:	June 2017	**Drawn:**	CPS
Drawing:	Exterior	**Checked:**	ENV



Froehling & Robertson, Inc. Engineering • Environmental • Geotechnical 310 Hubert Street Raleigh, North Carolina 27603 I USA T 919.828.3441I F 919.828.5751	**FACILITY SKETCH** **INTERIOR** 808 West Trinity Avenue Durham, North Carolina	**Project No.:** 66V-0025	**Scale:** NTS	
		Date: June 2017	**Drawn:** CPS	
		Drawing: Interior	**Checked:** ENV	

Soil Samples from: 0”-6” / 6”-12” / 12”-24” at each location.



Froehling & Robertson, Inc. Engineering • Environmental • Geotechnical 310 Hubert Street Raleigh, North Carolina 27603 I USA T 919.828.3441I F 919.828.5751	**PCB DELINEATION SAMPLES** **Former Duke Diet and Fitness Center** 808 West Trinity Avenue Durham, North Carolina 27701	**Project No.:**	66V-0025	**Scale:**	Not Shown
		Date:	June 2017	**Drawn:**	CPS
		Drawing:	PCBs	**Checked:**	ENV

Appendix C

Historical Documentation

December 29, 2011

Mr. Joel Miller
A&D Environmental
3249 Lear Drive
Burlington, North Carolina 27215

Re: **Report of Limited Asbestos and Lead-Based Paint Survey**
Duke University Dry Land Practice Facility
808 West Trinity Avenue, Durham, North Carolina
ECS Project No. 06:18982

Dear Mr. Miller:

ECS Carolinas, LLP (ECS) has completed the limited asbestos and lead-based paint survey for the Duke Dry Land Practice Facility, located at 808 West Trinity Avenue in Durham, North Carolina. Our services were provided as proposed in ECS Proposal No. 06:15267, dated December 8, 2011.

We appreciate the opportunity to provide environmental services to you. Asbestos-containing materials (ACM) and lead-based paint (LBP) were detected at the property. Demolition and/or renovation work in which ACM or lead-based paint is disturbed must be performed in compliance with EPA, OSHA and the State of North Carolina regulations. Please review the attached report for our findings, conclusions and recommendations.

If you have questions regarding this report, or additional environmental or engineering services we provide, please do not hesitate to contact us at 919-861-9910.

Respectfully,
ECS CAROLINAS, LLP

Anthony J. Scialdone
Senior Environmental Project Manager

Aric V. Geda, P.E.
Principal Engineer

I:_PROJECTS\T18000-T18999\18982 Duke University Dry Land Practice Facility\Duke University Dry Land Practice Facility.doc

Limited Asbestos and Lead-Based Paint Survey
Duke University Dry Land Practice Facility
808 West Trinity Avenue, Durham, North Carolina

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Attachment B – Sample Log and Results

Attachment C – Laboratory Analysis and Chains of Custody

Attachment D – XRF Results

Attachment E – Accreditations

1.0 PROJECT INFORMATION

The purpose of the asbestos survey was to determine the presence and general location of ACM on the interior and exterior of the property, prior to demolition activities as per National Emission Standard for Hazardous Air Pollutants (NESHAP) protocol. The purpose of the lead-based paint survey was to test the exposed painted building components for the presence of LBP.

2.0 SCOPE OF SERVICES

The asbestos sampling and lead-based paint survey was performed on December 19, 2011 by Mr. Anthony Scialdone (NC Accredited Inspector No. 12284; NC Accredited Lead Inspector/Risk Assessor No. 120208). The asbestos survey consisted of observing the accessible areas of the property for the presence of suspect ACM. Three samples of each friable and two samples of each non-friable suspect ACM were collected, placed under chain of custody and delivered to EMSL Analytical, Inc. in Morrisville, North Carolina for analysis. The analysis was performed using the Environmental Protection Agency (EPA) recommended method of Polarized Light Microscopy (PLM) coupled with dispersion staining (Method No. EPA 600/M4-020-82, Dec. 1982). EMSL participates in the National Voluntary Laboratory Accreditation Program (NVLAP, accredited lab no. 200671-0). If one sample of a suspect material is found to be an ACM, then the material is considered positive, regardless of the results of the other samples of that material.

The intent of the lead-based paint survey was to screen selected painted components for lead in paint. A calibrated RMD LPA-1B XRF Lead-Based Paint Analyzer (Serial Number 2100), assigned to ECS, was utilized for the survey. An XRF contains a small radio isotopic source and operates on the principle of x-ray fluorescence, whereby lead atoms in paint are stimulated to emit characteristic x-rays, which are then detected by the instrument. The XRF can measure surface or non-surface concentrations of lead with 95% accuracy at the US EPA action level of 1.0 mg/cm^2. Levels of lead are reported in units of milligrams per square centimeter (mg/cm2). The XRF identifies painted surfaces as “positive” or “negative” for lead content based on the US EPA action level and the performance characteristics of the XRF.

Positive: Lead is present at or above the US EPA action level of 1.0 mg/cm^2 on *one or more* of the components.

Negative: Lead is not present at or above the US EPA action level of 1.0 mg/cm^2 on the components.

The survey was generally conducted using U.S. Department of Housing and Urban Development (HUD) guidelines. Changes and modifications in sampling strategies were made where appropriate for this project. It is important to note that this survey was not a comprehensive, surface-by-surface evaluation, but rather a screening survey of major painted components, which may contain LBP.

3.0 LIMITATIONS

ECS tested observed building materials suspected to contain asbestos. Destructive means were not used to identify materials located in wall chases, under floorboards, etc. If additional building materials are discovered during the renovation or demolition phase, then they should either be tested or presumed to be an ACM.

4.0 FINDINGS

Asbestos Sampling Survey

The EPA defines an asbestos-containing material as a material containing more than one percent asbestos. A total of 91 bulk samples were collected during the survey, and due to materials with multiple layers (floor tile and mastic, for example), 115 samples were analyzed by the laboratory. The results indicated the following approximate quantities and locations of materials were asbestos-containing:

- 10,500 square feet of black asbestos mastic, located under carpeting and non-asbestos carpet mastic;
- 200 linear feet of 4” tan cove base mastic located throughout;
- 250 square feet of grey vinyl flooring/mastic located in the kitchen area;
- 25 white pipe ends (multiple size pipes) in the mechanical room;
- Unknown quantity of leveling compound under carpet (found an approximate 20 square foot patch in one area and presume it is in other areas);
- 10 square feet of 12”x12” grey/blue floor tile mastic, located in hallway adjacent to water fountain;
- 6 elbows in the pool area;
- 40-50 elbows in crawlspace, multiple sizes;
- 18-20 elbows in mechanical room, multiple sizes;
- 150 linear feet of window caulking around 12 windows on front and right corner sides of building

Building materials which were sampled but the analysis indicated were not asbestos-containing included ceiling tiles; carpet mastic; wallboard with joint compound; rubber flooring; tan, brown and maroon cove base (and mastics, except for the 4” tan cove base); textured ceiling; sink mastic; gasket material; stair tread mastic; black pipe and elbow mastic; plaster; 12”x12” floor tiles; window glazing; building caulk; window caulk (with the exception of the 12 windows on front and right corner of building); white HVAC mastic; black pipe wrap; reheat tank insulation; duct mastic; roofing; and roof mastic. Please see Attachment C for the analytical results.

Lead-Based Paint Survey

The XRF detected lead-based paint in excess of EPA and State levels (1.0 mg/cm2) on the white ceramic tiles located in the men's locker room shower area and the blue ceramic wall tiles located in the pool area. These components did not appear to have been painted and ECS believes that the ceramic tile tested positive due to lead being in the matrix of the material. Since the tile is in intact and in good condition, there is no current hazard. Additional lead-based paint was not detected at the property. Tested components included exterior and interior doors, door casings, door jambs, walls (drywall, block and brick), cabinets, heaters, and lockers. Please see Attachment D for the XRF results

5.0 CONCLUSIONS/RECOMMENDATIONS

ACM will require abatement by a North Carolina licensed asbestos abatement contractor prior to demolition/renovation activities. Please note that NCDHHS requires the abatement contractor to file a ten day notification prior to the abatement of materials. In accordance with the NCHHCU regulations, ACM waste should be taken to an approved landfill. Work must be performed in accordance with NESHAP asbestos regulations, 40 CFR 61, Subpart M, and OSHA regulations 29 CFR 1910 and 1926.

Since the property is scheduled for demolition, there are no recommendations to address the lead in the ceramic tiles. However, if renovations were to occur, as good practice and to comply with US EPA regulations regarding LBP under 40 CFR 745 (Lead; Renovation, Repair, and Painting Final Rule), ECS would recommend development of an abatement plan/specification to address disturbance of the materials. Renovations which may potentially disturb these components should be performed by a qualified lead-based paint abatement contractor/US EPA Certified RRP Contractor.

ATTACHMENT A - HOMOGENEOUS MATERIALS

HM No.	Homogeneous Material/Location	F/NF	S/NS/A	M/S/T
1	2'x2' Large Fissure Ceiling Tile	F	S	M
2	2'x2' Small Fissure Ceiling Tile	F	S	M
3	Carpet Adhesive	NF	S	M
4	Drywall/Joint Compound	F	S	M
5	2'x2' Drywall Ceiling Tile	F	S	M
6	4" Maroon Cove Base/Mastic	NF	S	M
7	**4" Tan Cove Base/Mastic**	**NF**	**S**	**M**
8	Black Rubber Flooring	NF	S	M
9	Textured Ceiling	F	S	M
10	3" Tan Cove Base/Mastic	NF	S	M
11	**Black Floor Mastic**	**NF**	**S**	**M**
12	Grey Sink Mastic	NF	S	M
13	**Grey Vinyl Flooring**	**NF**	**S**	**M**
14	4" Brown Cove Base/Mastic	NF	S	M
15	**White Pipe Mastic End**	**NF**	**S**	**T**
16	Gasket Material	NF	S	M
17	Brown Stair Tread Mastic	NF	S	M
18	3" Maroon Cove Base/Mastic	NF	S	M
19	**Leveling Compound/Mastic**	**NF**	**S**	**M**
20	Plaster Wall/Ceiling	F	S	M
21	12"x12" Dark Grey Floor Tile/Mastic	NF	S	M
22	12"x12" Light Grey Floor Tile/Mastic	NF	S	M
23	**12"x12" Grey/Blue Floor Tile/Mastic**	**NF**	**S**	**M**
24	**8" Elbows**	**F**	**S**	**T**
25	Black Mastic on Fiberglass Pipe	NF	S	T
26	Window Glazing	NF	S	M
27	Window Caulking	NF	S	M
28	Building Caulking	NF	S	M
29	Black Mastic on Elbows	NF	S	T
30	White HVAC Mastic	NF	S	T
31	Black Mastic on Fiberglass	NF	S	T
32	**Elbows in Crawlspace**	**F**	**S**	**T**
33	Reheat Tank Ends	F	S	T
34	**12" Elbows**	**F**	**S**	**T**
35	**6"/8" Elbows**	**F**	**S**	**T**
36	Duct Mastic on Roof	NF	S	M
37	Roof Flashing	NF	S	M
38	Roofing	NF	S	M
39	**Window Caulking**	**NF**	**S**	**M**

HM No. = Homogeneous Material Number
S/NS/A = Suspect/Non-Suspect/Assumed
Bold Type Indicates ACM

F/NF = Friable/Non-Friable
M/S/T = Miscellaneous/Surfacing/Thermal

ATTACHMENT B - SAMPLE LOGS AND RESULTS

Sample #	HM No.	Homogeneous Material/Location	Result
18982-01,02,03	1	2'x2' Large Fissure Ceiling Tile	ND
18982-04,05,06	2	2'x2' Small Fissure Ceiling Tile	ND
18982-07,08	3	Carpet Adhesive	ND
18982-09,10,11	4	Drywall/Joint Compound	ND
18982-12,13,14	5	2'x2' Drywall Ceiling Tile	ND
18982-15,16	6	4" Maroon Cove Base/Mastic	ND
18982-17,18	**7**	**4" Tan Cove Base/Mastic**	**Mastic – 3-5% Chrysotile**
18982-19,20	8	Black Rubber Flooring	ND
18982-21,22,23	9	Textured Ceiling	ND
18982-24,25	10	3" Tan Cove Base/Mastic	ND
18982-26,27	**11**	**Black Floor Mastic**	**3-5% Chrysotile**
18982-28,29	12	Grey Sink Mastic	ND
18982-30,31	**13**	**Grey Vinyl Flooring**	**30-35% Chrysotile**
18982-32,33	14	4" Brown Cove Base/Mastic	ND
18982-34,35	**15**	**White Pipe Mastic End**	**10% Chrysotile**
18982-36,37	16	Gasket Material	ND
18982-38,39	17	Brown Stair Tread Mastic	ND
18982-40,41	18	3" Maroon Cove Base/Mastic	ND
18982-42,43	**19**	**Leveling Compound/Mastic**	**Compound - 35% Chrysotile; Mastic – 2% Chrysotile**
18982-44,45,46	20	Plaster Wall/Ceiling	ND
18982-47,48	21	12"x12" Dark Grey Floor Tile/Mastic	ND
18982-49,50	22	12"x12" Light Grey Floor Tile/Mastic	Mastic - <1% Chrysotile
18982-51,52	**23**	**12"x12" Grey/Blue Floor Tile/Mastic**	**Mastic – 3% Chrysotile**
18982-53,54,55	**24**	**8" Elbows**	**65% Chrysotile**
18982-56,57,58	25	Black Mastic on Fiberglass Pipe	ND
18982-59,60	26	Window Glazing	ND
18982-61,62	27	Window Caulking	<1% Chrysotile
18982-63,64	28	Building Caulking	<1% Chrysotile
18982-65,66,67	29	Black Mastic on Elbows	ND
18982-68,69	30	White HVAC Mastic	ND
18982-70,71,72	31	Black Mastic on Fiberglass	ND
18982-73,74,75	**32**	**Elbows in Crawlspace**	**15% Chrysotile**
18982-76,77	33	Reheat Tank Ends	ND
18982-78,79,80	**34**	**12" Elbows**	**25% Chrysotile**
18982-81,82,83	**35**	**6"/8" Elbows**	**30-35% Chrysotile**
18982-84,85	36	Duct Mastic on Roof	ND
18982-86,87	37	Roof Flashing	ND
18982-88,89	38	Roofing	ND
18982-90,91	**39**	**Window Caulking (Front Right Windows)**	**2% Chrysotile; <1% Tremolite**

HM No. = Homogeneous Material Number ND = None Detected
Bold Type Indicates ACM

ATTACHMENT C

Laboratory Analysis and Chain of Custody

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Project: **Duke University Dry Land Practice Facility**

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EMSL Order:	291107341
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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
18982-01 *291107341-0001*	2'x2' Large Fissure Ceiling Tile	White/Beige Fibrous Heterogeneous	40% 20%	Cellulose Min. Wool	20% 20%	Non-fibrous (other) Perlite	**None Detected**
18982-02 *291107341-0002*	2'x2' Large Fissure Ceiling Tile	White/Beige Fibrous Heterogeneous	40% 20%	Cellulose Min. Wool	20% 20%	Non-fibrous (other) Perlite	**None Detected**
18982-03 *291107341-0003*	2'x2' Large Fissure Ceiling Tile	White/Beige Fibrous Heterogeneous	40% 20%	Cellulose Min. Wool	20% 20%	Non-fibrous (other) Perlite	**None Detected**
18982-04 *291107341-0004*	2'x2' Small Fissure Ceiling Tile	White/Beige Fibrous Homogeneous	40% 20%	Cellulose Min. Wool	20% 20%	Non-fibrous (other) Perlite	**None Detected**
18982-05 *291107341-0005*	2'x2' Small Fissure Ceiling Tile	White/Beige Fibrous Heterogeneous	40% 20%	Cellulose Min. Wool	20% 20%	Non-fibrous (other) Perlite	**None Detected**
18982-06 *291107341-0006*	2'x2' Small Fissure Ceiling Tile	White/Beige Fibrous Heterogeneous	40% 20%	Cellulose Min. Wool	20% 20%	Non-fibrous (other) Perlite	**None Detected**

Initial report from 12/22/2011 12:34:04

Analyst(s)

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Essie Spencer (56)

Essie Spencer, Laboratory Manager
or other approved signatory

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
18982-07 *291107341-0007*	Carpet Adhesive	Brown/White Fibrous Heterogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
18982-08 *291107341-0008*	Carpet Adhesive	Brown/Tan Fibrous Heterogeneous	5% 5%	Cellulose Glass	90%	Non-fibrous (other)	**None Detected**
18982-09 Composite *291107341-0009*	Drywall/Joint Compound	Tan/Beige Fibrous Heterogeneous	5% 5%	Cellulose Glass	90%	Non-fibrous (other)	**None Detected**
18982-10 Composite *291107341-0010*	Drywall/Joint Compound	Brown/Tan/White Fibrous Heterogeneous	20% 2%	Cellulose Wollastonite	78%	Non-fibrous (other)	**None Detected**
18982-11 Composite *291107341-0011*	Drywall/Joint Compound	Brown/Tan/White Fibrous Heterogeneous	25% 2% 2%	Cellulose Glass Wollastonite	71%	Non-fibrous (other)	**None Detected**
18982-12 *291107341-0012*	2'x2' Drywall Ceiling Tile	White/Beige Fibrous Heterogeneous	15% 10%	Cellulose Glass	75%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
18982-13 *291107341-0013*	2'x2' Drywall Ceiling Tile	Tan/Beige Fibrous Heterogeneous	15% 10%	Cellulose Glass	75%	Non-fibrous (other)	**None Detected**
18982-14 *291107341-0014*	2'x2' Drywall Ceiling Tile	White/Beige Fibrous Heterogeneous	10% 10%	Cellulose Glass	80%	Non-fibrous (other)	**None Detected**
18982-15-Cove Base *291107341-0015*	4" Maroon Cove Base/Mastic	Mauve Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
18982-15-Mastic *291107341-0015A*	4" Maroon Cove Base/Mastic	Brown/Tan Fibrous Heterogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**
18982-16-Cove Base *291107341-0016*	4" Maroon Cove Base/Mastic	Mauve Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
18982-16-Mastic *291107341-0016A*	4" Maroon Cove Base/Mastic	Brown/Tan Fibrous Heterogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
18982-17-Cove Base *291107341-0017*	4" Tan Cove Base/Mastic	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18982-17-Mastic *291107341-0017A*	4" Tan Cove Base/Mastic	Brown Fibrous Heterogeneous	5%	Cellulose	92%	Non-fibrous (other)	**3% Chrysotile**
18982-18-Cove Base *291107341-0018*	4" Tan Cove Base/Mastic	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18982-18-Mastic *291107341-0018A*	4" Tan Cove Base/Mastic	Brown Fibrous Heterogeneous	5%	Cellulose	90%	Non-fibrous (other)	**5% Chrysotile**
18982-19-Floor Tile *291107341-0019*	Black Rubber Flooring	Gray Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18982-19-Mastic *291107341-0019A*	Black Rubber Flooring	Tan Fibrous Heterogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
18982-20-Cove Base *291107341-0020*	Black Rubber Flooring	Black Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18982-20-Mastic *291107341-0020A*	Black Rubber Flooring	Tan Fibrous Heterogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**
18982-21 *291107341-0021*	Textured Ceiling	Gray/White Fibrous Heterogeneous	2%	Wollastonite	98%	Non-fibrous (other)	**None Detected**
18982-22 *291107341-0022*	Textured Ceiling	Gray/White Fibrous Heterogeneous	2% 2%	Cellulose Wollastonite	96%	Non-fibrous (other)	**None Detected**
18982-23 *291107341-0023*	Textured Ceiling	Gray/White Fibrous Heterogeneous	2%	Wollastonite	98%	Non-fibrous (other)	**None Detected**
18982-24-Cove Base *291107341-0024*	3" Tan Cove Base/Mastic	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
18982-24-Mastic *291107341-0024A*	3" Tan Cove Base/Mastic	Brown/Tan Fibrous Heterogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**
18982-25-Cove Base *291107341-0025*	3" Tan Cove Base/Mastic	Tan Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18982-25-Mastic *291107341-0025A*	3" Tan Cove Base/Mastic	Brown Fibrous Heterogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**
18982-26 *291107341-0026*	Black Floor Mastic	Tan/Black Fibrous Heterogeneous	10%	Cellulose	87%	Non-fibrous (other)	**3% Chrysotile**
18982-27 *291107341-0027*	Black Floor Mastic	Tan/Black Fibrous Heterogeneous	8%	Cellulose	87%	Non-fibrous (other)	**5% Chrysotile**
18982-28 *291107341-0028*	Grey Sink Mastic	Gray Fibrous Heterogeneous	25% 5%	Cellulose Glass	70%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
18982-29 *291107341-0029*	Grey Sink Mastic	Gray Fibrous Homogeneous	25% 10%	Cellulose Glass	65%	Non-fibrous (other)	**None Detected**
18982-30-Flooring *291107341-0030*	Grey Vinyl Flooring	White Fibrous Heterogeneous	45%	Cellulose	25%	Non-fibrous (other)	**30% Chrysotile**
18982-30-Mastic *291107341-0030A*	Grey Vinyl Flooring	Yellow Fibrous Heterogeneous	5%	Cellulose	95%	Non-fibrous (other)	**None Detected**
18982-31-Flooring *291107341-0031*	Grey Vinyl Flooring	White Fibrous Heterogeneous	45%	Cellulose	20%	Non-fibrous (other)	**35% Chrysotile**
18982-31-Mastic *291107341-0031A*	Grey Vinyl Flooring	Tan/Yellow Fibrous Heterogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
18982-32-Cove Base *291107341-0032*	4" Brown Cove Base/Mastic	Brown Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
18982-32-Mastic *291107341-0032A*	4" Brown Cove Base/Mastic	Brown Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
18982-33-Cove Base *291107341-0033*	4" Brown Cove Base/Mastic	Brown Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18982-33-Mastic *291107341-0033A*	4" Brown Cove Base/Mastic	Brown Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
18982-34 *291107341-0034*	White Pipe Mastic	White Fibrous Heterogeneous	25%	Cellulose	65%	Non-fibrous (other)	**10% Chrysotile**
18982-35 *291107341-0035*	White Pipe Mastic	White Fibrous Heterogeneous	15%	Cellulose	75%	Non-fibrous (other)	**10% Chrysotile**
18982-36 *291107341-0036*	Gasket Material	Brown/Black Fibrous Heterogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**

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Analysis Date:	12/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
18982-37 *291107341-0037*	Gasket Material	Brown/Black Fibrous Heterogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**
18982-38 *291107341-0038*	Brown Stair Tread Mastic	Brown Fibrous Heterogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**None Detected**
18982-39 *291107341-0039*	Brown Stair Tread Mastic	Brown Fibrous Heterogeneous	<1%	Cellulose	100%	Non-fibrous (other)	**None Detected**
18982-40-Cove Base *291107341-0040*	3" Maroon Cove Base/Mastic	Brown/Red Non-Fibrous Homogeneous			100%	Non-fibrous (other)	**None Detected**
18982-40-Mastic 1 *291107341-0040A*	3" Maroon Cove Base/Mastic	Brown Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
18982-40-Mastic 2 *291107341-0040B*	3" Maroon Cove Base/Mastic	Tan/White Fibrous Heterogeneous	3%	Cellulose	97%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
18982-41-Cove Base *291107341-0041*	3" Maroon Cove Base/Mastic	Red Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	
18982-41-Mastic 1 *291107341-0041A*	3" Maroon Cove Base/Mastic	Brown Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	
18982-41-Mastic 2 *291107341-0041B*	3" Maroon Cove Base/Mastic	Tan/White Fibrous Heterogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**	
18982-42-Leveling Compound *291107341-0042*	Leveling Compound/Mastic	White Fibrous Heterogeneous	45%	Cellulose	20%	Non-fibrous (other)	**35%**	**Chrysotile**
18982-42-Mastic *291107341-0042A*	Leveling Compound/Mastic	Black/Green Fibrous Heterogeneous	2%	Cellulose	98%	Non-fibrous (other)	**<1%**	**Chrysotile**
			Possible contamination from leveling compound					
18982-43-Leveling Compound *291107341-0043*	Leveling Compound/Mastic	White Fibrous Heterogeneous	30%	Cellulose	35%	Non-fibrous (other)	**35%**	**Chrysotile**

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			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
18982-43-Mastic *291107341-0043A*	Leveling Compound/Mastic	Black/Green Fibrous Heterogeneous	5%	Cellulose	93%	Non-fibrous (other)	**2%**	**Chrysotile**
			Possible contamination from leveling compound					
18982-44 *291107341-0044*	Plaster Wall/Ceiling	Tan/White Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	
18982-45 *291107341-0045*	Plaster Wall/Ceiling	Tan/White Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	
18982-46 *291107341-0046*	Plaster Wall/Ceiling	Tan/White Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	
18982-47-Floor Tile *291107341-0047*	12"x12" Dark Grey Floor Tile/Mastic	Gray Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	
18982-47-Mastic *291107341-0047A*	12"x12" Dark Grey Floor Tile/Mastic	Brown/Black Fibrous Heterogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**	

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			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
18982-48-Floor Tile *291107341-0048*	12"x12" Dark Grey Floor Tile/Mastic	Gray Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	
18982-48-Mastic *291107341-0048A*	12"x12" Dark Grey Floor Tile/Mastic	Brown/Black Fibrous Heterogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**	
18982-49-Floor Tile *291107341-0049*	12"x12" Light Grey Floor Tile/Mastic	Gray Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	
18982-49-Mastic *291107341-0049A*	12"x12" Light Grey Floor Tile/Mastic	Black/Yellow Fibrous Heterogeneous	5%	Cellulose	95%	Non-fibrous (other)	**<1%**	**Chrysotile**
18982-50-Floor Tile *291107341-0050*	12"x12" Light Grey Floor Tile/Mastic	Gray Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	
18982-50-Mastic *291107341-0050A*	12"x12" Light Grey Floor Tile/Mastic	Black/Yellow Fibrous Heterogeneous	5%	Cellulose	95%	Non-fibrous (other)	**<1%**	**Chrysotile**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
18982-51-Floor Tile *291107341-0051*	12"x12" Grey/Blue Floor Tile/Mastic	Tan Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
18982-51-Mastic *291107341-0051A*	12"x12" Grey/Blue Floor Tile/Mastic	Black Fibrous Heterogeneous	5%	Cellulose	92%	Non-fibrous (other)	**3% Chrysotile**
18982-52-Floor Tile *291107341-0052*	12"x12" Grey/Blue Floor Tile/Mastic	Tan Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
18982-52-Mastic *291107341-0052A*	12"x12" Grey/Blue Floor Tile/Mastic	Black Fibrous Heterogeneous	5%	Cellulose	92%	Non-fibrous (other)	**3% Chrysotile**
18982-53 *291107341-0053*	8" Elbows	White Fibrous Heterogeneous			35%	Non-fibrous (other)	**65% Chrysotile**
18982-54 *291107341-0054*	8" Elbows	White Fibrous Heterogeneous			35%	Non-fibrous (other)	**65% Chrysotile**

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
18982-55 *291107341-0055*	8" Elbows	White Fibrous Heterogeneous			35%	Non-fibrous (other)	**65% Chrysotile**
18982-56 *291107341-0056*	Black Mastic on Fiberglass Pipe	Black Fibrous Heterogeneous	65%	Cellulose	35%	Non-fibrous (other)	**None Detected**
18982-57 *291107341-0057*	Black Mastic on Fiberglass Pipe	Black Fibrous Heterogeneous	65%	Cellulose	35%	Non-fibrous (other)	**None Detected**
18982-58 *291107341-0058*	Black Mastic on Fiberglass Pipe	Black Fibrous Heterogeneous	65%	Cellulose	35%	Non-fibrous (other)	**None Detected**
18982-59 *291107341-0059*	Window Glazing	White Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
18982-60 *291107341-0060*	Window Glazing	White Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
18982-61 *291107341-0061*	Window Caulking	Gray Fibrous Heterogeneous	2%	Wollastonite	98%	Non-fibrous (other)	**<1%**	**Chrysotile**
18982-62 *291107341-0062*	Window Caulking	Gray Fibrous Heterogeneous	2%	Wollastonite	98%	Non-fibrous (other)	**<1%**	**Chrysotile**
18982-63 *291107341-0063*	Building Caulking	Gray/Blue/Green Fibrous Heterogeneous	2%	Wollastonite	98%	Non-fibrous (other)	**<1%**	**Chrysotile**
18982-64 *291107341-0064*	Building Caulking	Gray/Blue/Green Fibrous Heterogeneous	2%	Wollastonite	98%	Non-fibrous (other)	**<1%**	**Chrysotile**
18982-65 *291107341-0065*	Black Mastic on Elbows	Black Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	
18982-66 *291107341-0066*	Black Mastic on Elbows	Black Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**	

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			Non-Asbestos				Asbestos
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**% Type**
18982-67 *291107341-0067*	Black Mastic on Elbows	Black Non-Fibrous Heterogeneous			100%	Non-fibrous (other)	**None Detected**
18982-68 *291107341-0068*	White HVAC Mastic	White Fibrous Heterogeneous	15%	Cellulose	85%	Non-fibrous (other)	**None Detected**
18982-69 *291107341-0069*	White HVAC Mastic	White Fibrous Heterogeneous	15%	Cellulose	85%	Non-fibrous (other)	**None Detected**
18982-70 *291107341-0070*	Black Mastic on Fiberglass	Black Fibrous Heterogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
18982-71 *291107341-0071*	Black Mastic on Fiberglass	Black Fibrous Heterogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**
18982-72 *291107341-0072*	Black Mastic on Fiberglass	Black Fibrous Heterogeneous	10%	Cellulose	90%	Non-fibrous (other)	**None Detected**

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			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
18982-73 *291107341-0073*	Elbows in Crawlspace	White Fibrous Heterogeneous	10% 10%	Cellulose Min. Wool	65%	Non-fibrous (other)	**15%**	**Chrysotile**
18982-74 *291107341-0074*	Elbows in Crawlspace	White/Black Fibrous Heterogeneous	10% 20%	Cellulose Min. Wool	55%	Non-fibrous (other)	**15%**	**Chrysotile**
18982-75 *291107341-0075*	Elbows in Crawlspace	Black/Beige Fibrous Heterogeneous	10% 20%	Cellulose Min. Wool	55%	Non-fibrous (other)	**15%**	**Chrysotile**
18982-76 *291107341-0076*	Reheat Tank Ends	Gray/White Fibrous Heterogeneous	20%	Min. Wool	80%	Non-fibrous (other)	**None Detected**	
18982-77 *291107341-0077*	Reheat Tank Ends	Gray/Beige Fibrous Heterogeneous	10% 20%	Cellulose Min. Wool	70%	Non-fibrous (other)	**None Detected**	
18982-78 *291107341-0078*	12" Elbows	White/Beige Fibrous Heterogeneous	10%	Cellulose	65%	Non-fibrous (other)	**25%**	**Chrysotile**

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			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
18982-79 *291107341-0079*	12" Elbows	White/Beige Fibrous Heterogeneous	20%	Cellulose	55%	Non-fibrous (other)	**25%**	**Chrysotile**
18982-80 *291107341-0080*	12" Elbows	White/Beige Fibrous Heterogeneous	20%	Cellulose	55%	Non-fibrous (other)	**25%**	**Chrysotile**
18982-81 *291107341-0081*	6"/8" Elbows	Green/Beige Fibrous Heterogeneous	10% 15%	Min. Wool Cellulose	40%	Non-fibrous (other)	**35%**	**Chrysotile**
18982-82 *291107341-0082*	6"/8" Elbows	White/Green/Beige Fibrous Heterogeneous	20% 5%	Cellulose Glass	40%	Non-fibrous (other)	**35%**	**Chrysotile**
18982-83 *291107341-0083*	6"/8" Elbows	White/Beige Fibrous Heterogeneous	20% 10%	Cellulose Glass	40%	Non-fibrous (other)	**30%**	**Chrysotile**
18982-84 *291107341-0084*	Duct Mastic on Roof	White/Silver/Beige Fibrous Heterogeneous	2%	Cellulose	98%	Non-fibrous (other)	**None Detected**	

Initial report from 12/22/2011 12:34:04

Analyst(s)

Billy Barnes (59)
Essie Spencer (56)

Essie Spencer, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.
Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

EMSL Analytical, Inc.
2500 Gateway Centre Blvd., Suite 600, Morrisville, NC 27560
Phone: (919) 465-3900 Fax: (919) 465-3950 Email: raleighlab@emsl.com

Attn: **Anthony Scialdone**
ECS Carolinas, LLP
9001 Glenwood Avenue

Raleigh, NC 27617

Fax: (919) 861-9911 Phone: (919) 861-9910
Project: **Duke University Dry Land Practice Facility**

Customer ID: ECSL62
Customer PO: 18982
Received: 12/20/11 8:30 AM
EMSL Order: 291107341

EMSL Proj: Electronic Deliverables
Analysis Date: 12/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
18982-85 *291107341-0085*	Duct Mastic on Roof	Tan/White/Silver Fibrous Heterogeneous	2%	Cellulose	98%	Non-fibrous (other)		**None Detected**
18982-86 *291107341-0086*	Roof Flashing	Brown/Black/Silver Fibrous Heterogeneous	5% 10%	Glass Cellulose	85%	Non-fibrous (other)		**None Detected**
18982-87 *291107341-0087*	Roof Flashing	Brown/Black Fibrous Heterogeneous	8% 3%	Cellulose Glass	89%	Non-fibrous (other)		**None Detected**
18982-88 *291107341-0088*	Roofing	White/Black Fibrous Heterogeneous	25% 10% 5%	Cellulose Synthetic Glass	60%	Non-fibrous (other)		**None Detected**
18982-89 *291107341-0089*	Roofing	White/Black Fibrous Heterogeneous	20% 10% 5%	Cellulose Synthetic Glass	65%	Non-fibrous (other)		**None Detected**
18982-90 *291107341-0090*	Window Caulking	Gray/Beige Fibrous Heterogeneous	5% 10% 5%	Cellulose Glass Wollastonite	78%	Non-fibrous (other)	**2%** **<1%**	**Chrysotile** **Tremolite**

Initial report from 12/22/2011 12:34:04

Analyst(s)

Billy Barnes (59)
Essie Spencer (56)

Essie Spencer, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

EMSL Analytical, Inc.
2500 Gateway Centre Blvd., Suite 600, Morrisville, NC 27560
Phone: (919) 465-3900 Fax: (919) 465-3950 Email: raleighlab@emsl.com

Attn: **Anthony Scialdone**
ECS Carolinas, LLP
9001 Glenwood Avenue

Raleigh, NC 27617

Fax: (919) 861-9911 Phone: (919) 861-9910
Project: **Duke University Dry Land Practice Facility**

Customer ID:	ECSL62
Customer PO:	18982
Received:	12/20/11 8:30 AM
EMSL Order:	291107341
EMSL Proj:	Electronic Deliverables
Analysis Date:	12/22/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

			Non-Asbestos				Asbestos	
Sample	**Description**	**Appearance**	**%**	**Fibrous**	**%**	**Non-Fibrous**	**%**	**Type**
18982-91	Window Caulking	Gray/White	5%	Cellulose	85%	Non-fibrous (other)	**2%**	**Chrysotile**
291107341-0091		Fibrous Heterogeneous	8%	Wollastonite			**<1%**	**Tremolite**

Initial report from 12/22/2011 12:34:04

Analyst(s)

Billy Barnes (59)
Essie Spencer (56)

Essie Spencer, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

THIS IS THE LAST PAGE OF THE REPORT.

291107341

ECS Carolinas, LLP
Duke University Dry Land Practice Facility
12/20/2011 8:30
PLM

TAT: 72 Hour
Bulk

Order ID: 291107341
No Samples: 91
Due: 12/24 8:30 AM
Fax: 919-861-9911

1341

Raleigh, NC
00 Gateway Centre Blvd
Suite 600
Morrisville, NC 27560
PHONE 919-465-3900
FAX 919-465-3950

Company: ECS Carolinas	**EMSL-Bill to:** ☑ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 9001 Glenwood Ave.	
City/State/Zip: Raleigh, NC 27617	
Report To (Name): Anthony Scialdone	**Fax:**
Telephone: 9192152563	**Email Address:** ascialdone@ecslimited.com
Project Name/Number: Duke University Dry Land Practice Facility	
Please Provide Results: Email **Purchase Order:** 18992	**State Samples Taken:** NC

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☒ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

**For TEM Air 3 hours/6 hours, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.*

PCM - Air
- ☐ NIOSH 7400
- ☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
- ☒ PLM EPA 600/R-93/116 (<1%)
- ☐ PLM EPA NOB (<1%)

Point Count
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)

Point Count w/Gravimetric
- ☐ 400 (<0.25%) ☐ 1000 (<0.1%)
- ☐ NYS 198.1 (friable in NY)
- ☐ NYS 198.6 NOB (non-friable-NY)
- ☐ NIOSH 9002 (<1%)

TEM – Air ☐ **4-4.5hr TAT (AHERA only)**
- ☐ AHERA 40 CFR, Part 763
- ☐ NIOSH 7402
- ☐ EPA Level II
- ☐ ISO 10312

TEM - Bulk
- ☐ TEM EPA NOB
- ☐ NYS NOB 198.4 (non-friable-NY)
- ☐ Chatfield SOP
- ☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
- Fibers >10µm ☐ Waste ☐ Drinking
- All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
- ☐ Microvac - ASTM D 5755
- ☐ Wipe - ASTM D6480
- ☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
- ☐ PLM CARB 435 - A (0.25% sensitivity)
- ☐ PLM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - B (0.1% sensitivity)
- ☐ TEM CARB 435 - C (0.01% sensitivity)
- ☐ EPA Protocol (Semi-Quantitative)
- ☐ EPA Protocol (Quantitative)

Other:
- ☐

☐ **Check For Positive Stop – Clearly Identify Homogenous Group**

Samplers Name: Anthony Scialdone **Samplers Signature:** [signature]

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
	(Submitted Electronically)		

Client Sample # (s): **Total # of Samples:**

Relinquished (Client): [signature] **Date:** 12-19-11 **Time:**

Received (Lab): [signature] **Date:** 12-20 **Time:** 8:30

Comments/Special Instructions: Please composite drywall/joint compound.

Controlled Document – Asbestos Lab Services COC – A1.0 – 11/23/2009

ECS Carolinas, LLP
Duke University Dry Land Practice Facility
12/20/2011 8:30
PLM

TAT: 72 Hour
Bulk

Order ID: 291107341
No Samples: 91
Due: 12/24 8:30 AM
Fax: 919-861-9911

ECS Carolinas
9001 Glenwood Ave
Raleigh, NC 27617
(919) 215-2563

Submitted Anthony Scialdone
Email Resu ascialdone@ecslimited.com

TAT: 72 Hours
Job: Duke University Dry Land Practice Facility
Address: West Trinity, Durham, NC
PO: 18982

NOTE: COMPOSITE DRYWALL AND JOINT COMPOUND

Sample #	Description
18982-01	2'x2' Large Fissure Ceiling Tile
18982-02	2'x2' Large Fissure Ceiling Tile
18982-03	2'x2' Large Fissure Ceiling Tile
18982-04	2'x2' Small Fissure Ceiling Tile
18982-05	2'x2' Small Fissure Ceiling Tile
18982-06	2'x2' Small Fissure Ceiling Tile
18982-07	Carpet Adhesive
18982-08	Carpet Adhesive
18982-09	Drywall/Joint Compound
18982-10	Drywall/Joint Compound
18982-11	Drywall/Joint Compound
18982-12	2'x2' Drywall Ceiling Tile
18982-13	2'x2' Drywall Ceiling Tile
18982-14	2'x2' Drywall Ceiling Tile
18982-15	4" Maroon Cove Base/Mastic
18982-16	4" Maroon Cove Base/Mastic
18982-17	4" Tan Cove Base/Mastic
18982-18	4" Tan Cove Base/Mastic
18982-19	Black Rubber Flooring
18982-20	Black Rubber Flooring
18982-21	Textured Ceiling
18982-22	Textured Ceiling
18982-23	Textured Ceiling
18982-24	3" Tan Cove Base/Mastic
18982-25	3" Tan Cove Base/Mastic
18982-26	Black Floor Mastic
18982-27	Black Floor Mastic
18982-28	Grey Sink Mastic
18982-29	Grey Sink Mastic
18982-30	Grey Vinyl Flooring
18982-31	Grey Vinyl Flooring
18982-32	4" Brown Cove Base/Mastic
18982-33	4" Brown Cove Base/Mastic
18982-34	White Pipe Mastic

ECS Carolinas, LLP
Duke University Dry Land Practice Facility
12/20/2011 8:30 **TAT:** 72 Hour
PLM Bulk

Order ID: 291107341
No Samples: 91
Due: 12/24 8:30 AM
Fax: 919-861-9911

18982-35 White Pipe Mastic
18982-36 Gasket Material
18982-37 Gasket Material
18982-38 Brown Stair Tread Mastic
18982-39 Brown Stair Tread Mastic
18982-40 3" Maroon Cove Base/Mastic
18982-41 3" Maroon Cove Base/Mastic
18982-42 Leveling Compound/Mastic
18982-43 Leveling Compound/Mastic
18982-44 Plaster Wall/Ceiling
18982-45 Plaster Wall/Ceiling
18982-46 Plaster Wall/Ceiling
18982-47 12"x12" Dark Grey Floor Tile/Mastic
18982-48 12"x12" Dark Grey Floor Tile/Mastic
18982-49 12"x12" Light Grey Floor Tile/Mastic
18982-50 12"x12" Light Grey Floor Tile/Mastic
18982-51 12"x12" Grey/Blue Floor Tile/Mastic
18982-52 12"x12" Grey/Blue Floor Tile/Mastic
18982-53 8" Elbows
18982-54 8" Elbows
18982-55 8" Elbows
18982-56 Black Mastic on Fiberglass Pipe
18982-57 Black Mastic on Fiberglass Pipe
18982-58 Black Mastic on Fiberglass Pipe
18982-59 Window Glazing
18982-60 Window Glazing
18982-61 Window Caulking
18982-62 Window Caulking
18982-63 Building Caulking
18982-64 Building Caulking
18982-65 Black Mastic on Elbows
18982-66 Black Mastic on Elbows
18982-67 Black Mastic on Elbows
18982-68 White HVAC Mastic
18982-69 White HVAC Mastic
18982-70 Black Mastic on Fiberglass
18982-71 Black Mastic on Fiberglass
18982-72 Black Mastic on Fiberglass
18982-73 Elbows in Crawlspace
18982-74 Elbows in Crawlspace
18982-75 Elbows in Crawlspace
18982-76 Reheat Tank Ends
18982-77 Reheat Tank Ends
18982-78 12" Elbows
18982-79 12" Elbows
18982-80 12" Elbows
18982-81 6"/8" Elbows
18982-82 6"/8" Elbows
18982-83 6"/8" Elbows
18982-84 Duct Mastic on Roof
18982-85 Duct Mastic on Roof

ATTACHMENT D

XRF Results

Lead-Based Paint Survey

Shot #	Room	Surface	Color	Substrate	Result
001	**Calibration**	**Calibration**	**N/A**	**N/A**	**1.0**
002	**Calibration**	**Calibration**	**N/A**	**N/A**	**1.0**
003	**Calibration**	**Calibration**	**N/A**	**N/A**	**1.0**
004	Calibration	Calibration	N/A	N/A	0.1
005	Calibration	Calibration	N/A	N/A	-0.3
006	Calibration	Calibration	N/A	N/A	-0.3
007	Front Area	Door Casing	Blue	Metal	0.2
008	Front Area	Wall	Grey	Drywall	-0.2
009	Front Area	Wall	Grey	Block	0.0
010	Front Area	Wall	Tan	Drywall	-0.1
011	Front Area	Wall	Tan	Block	0.0
012	Front Area	Door Casing	White	Metal	-0.2
013	Front Area	Door	Varnish	Wood	-0.1
014	Front Area	Wall	Yellow	Drywall	-0.1
015	Front Area	Wall	Yellow	Block	-0.1
016	Front Area	Door	Yellow	Metal	-0.2
017	Front Area	Door Casing	Yellow	Metal	0.0
018	Front Area	Heater	Yellow	Metal	-0.3
019	Front Area	Wall	White	Block	-0.1
020	Lobby	Wall	Paper	Drywall	0.0
021	Lobby	Wall	Grey	Brick	0.0
022	Lobby	Door Casing	Black	Metal	-0.1
023	Lobby	Column	Varnish	Wood	0.0
024	Lobby	Heater	Grey	Metal	-0.1
025	Lobby	Door Casing	Grey	Metal	-0.2
026	Kitchen	Wall	Grey	Drywall	-0.1
027	Kitchen	Cabiner	Varnish	Wood	0.0
028	Kitchen	Wall	Grey	Block	0.0
029	Kitchen	Door Casing	White	Metal	0.0
030	Bathroom	Wall	Brown	Drywall	0.4
031	Bathroom	Wall	Brown	Ceramic	-0.4
032	Women Locker	Wall	Tan	Ceramic	-0.1
033	Women Locker	Wall	White	Drywall	0.0
034	Women Locker	Shower Wall	Blue	Ceramic	-0.3
035	Women Locker	Shower Wall	Tan	Ceramic	-0.4
036	Women Locker	Shower Wall	Red	Ceramic	-0.1
037	Women Locker	Locker	Red	Metal	0.1
038	Women Locker	Door Casing	Brown	Metal	-0.1
039	Women Locker	Door	Brown	Metal	0.1
040	**Pool**	**Wall**	**Blue**	**Ceramic**	**>9.9**
041	Pool	Wall	Grey	Brick	-0.1
042	Pool	Railing	White	Metal	0.3
043	Pool	Floor	Blue	Ceramic	-0.2
044	Pool	Floor	Tan	Ceramic	-0.1
045	Pool	Floor	Black	Ceramic	-0.1
046	Hall	Railing	Grey	Wood	0.0
047	**Men Locker**	**Wall**	**White**	**Ceramic**	**>9.9**
048	Men Locker	Wall	White	Plaster	0.0
049	Back Area	Wall	Grey	Block	0.0
050	Back Area	Door Casing	Brown	Metal	-0.2
051	Back Area	Door	Brown	Wood	-0.1
052	Mechanical Room	Door	Blue	Metal	-0.1

Bold type indicates lead-based paint

053	Mechanical Room	Door Casing	Blue	Metal	0.0
054	Mechanical Room	Door	White	Metal	-0.1
055	Mechanical Room	Door Casing	White	Metal	0.0
056	Gym	Wall	White	Block	-0.1
057	Gym Office	Wall	Blue	Block	-0.2
058	**Calibration**	**Calibration**	**N/A**	**N/A**	**1.0**
059	**Calibration**	**Calibration**	**N/A**	**N/A**	**1.0**
060	**Calibration**	**Calibration**	**N/A**	**N/A**	**1.0**
061	Calibration	Calibration	N/A	N/A	-0.2
062	Calibration	Calibration	N/A	N/A	0.0
063	Calibration	Calibration	N/A	N/A	-0.1

Bold type indicates lead-based paint

ATTACHMENT E

Accreditations

North Carolina
Asbestos Accreditation

EXPIRATION			
08-31-2012			
DOB	SEX	HT	WT
11-06-1971	M	5'11"	230

CLASS	#	EXP
AIR MONITOR	80759	07-12
DESIGNER	40426	07-12
INSPECTOR	12284	08-12
MGMT PLANNER	20962	07-12

Anthony J Scialdone
922 Ribbonleaf Lane
Fuquay-varina, NC 27526

93437

NORTH CAROLINA
LEAD CERTIFICATION

Anthony J Scialdone
922 Ribbonfeaf Lane
Fuquay-varina, NC 27526

DOB	SEX	HT	WT
11-06-1971	M	5'11"	220

DISCIPLINE	#	LAST COURSE	EXPIRATION
RISK ASSESSOR	120208	INS 05-04-2011 RIS 05-05-2011	06-30-2012

Appendix D

Laboratory Certificates of Accreditations

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200671-0

EMSL Analytical, Inc.

Morrisville, NC

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).

2017-04-01 through 2018-03-31

Effective Dates

DEPARTMENT OF COMMERCE · UNITED STATES OF AMERICA

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL Analytical, Inc.
2500 Gateway Centre, Ste. 600
Morrisville, NC 27560
Ms. Essie Spencer
Phone: 919-465-3900 Fax: 919-465-3950
Email: espencer@emsl.com
http://www.emsl.com

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200671-0

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

Effective 2017-04-01 through 2018-03-31

Appendix E

Laboratory Certificates of Analysis
Bulk Sample Chain of Custody Forms

Section 1
Asbestos-Containing Materials

EMSL Analytical, Inc.

2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

http://www.EMSL.com / raleighlab@emsl.com

EMSL Order: 291703662
Customer ID: FROE69
Customer PO: tbd
Project ID:

Attention: Christopher Shaw
Froehling & Robertson
310 Hubert St.
Raleigh, NC 27603

Project: 66V-0025, DDFC

Phone: (919) 828-3441
Fax: (919) 582-0304
Received Date: 05/08/2017 11:30 AM
Analysis Date: 05/09/2017
Collected Date: 05/04/2017

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1-1-Roof Core 1 *291703662-0001*	SE Roof 1 Field - Roof Core - 6 Layers	White Fibrous Homogeneous	40% Synthetic 10% Glass	50% Non-fibrous (Other)	None Detected
1-1-Roof Core 2 *291703662-0001A*	SE Roof 1 Field - Roof Core - 6 Layers	Tan Fibrous Homogeneous	10% Cellulose 20% Glass	70% Non-fibrous (Other)	None Detected
1-1-Roof Core 3 *291703662-0001B*	SE Roof 1 Field - Roof Core - 6 Layers	White/Black Fibrous Homogeneous	5% Cellulose 10% Glass	85% Non-fibrous (Other)	None Detected
1-1-Roof Core 4 *291703662-0001C*	SE Roof 1 Field - Roof Core - 6 Layers	Black/Silver Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
1-1-Roof Core 5 *291703662-0001D*	SE Roof 1 Field - Roof Core - 6 Layers	White/Black Fibrous Homogeneous	2% Cellulose 10% Glass	88% Non-fibrous (Other)	None Detected
1-1-Roof Core 6 *291703662-0001E*	SE Roof 1 Field - Roof Core - 6 Layers	Gray/White Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
1-2-Roof Core 1 *291703662-0002*	SW Roof 1 Field - Roof Core - 6 Layers	Gray/White Fibrous Homogeneous	3% Glass	97% Non-fibrous (Other)	None Detected
1-2-Roof Core 2 *291703662-0002A*	SW Roof 1 Field - Roof Core - 6 Layers	White Fibrous Homogeneous	5% Cellulose 40% Synthetic	55% Non-fibrous (Other)	None Detected
1-2-Roof Core 3 *291703662-0002B*	SW Roof 1 Field - Roof Core - 6 Layers	White/Green Fibrous Homogeneous	5% Cellulose 20% Glass	75% Non-fibrous (Other)	None Detected
1-2-Roof Core 4 *291703662-0002C*	SW Roof 1 Field - Roof Core - 6 Layers	White Fibrous Homogeneous	5% Cellulose 30% Glass	65% Non-fibrous (Other)	None Detected
1-2-Roof Core 5 *291703662-0002D*	SW Roof 1 Field - Roof Core - 6 Layers	Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
1-2-Roof Core 6 *291703662-0002E*	SW Roof 1 Field - Roof Core - 6 Layers	White Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
2-1-Flashing Core 1 *291703662-0003*	S Roof 1 Flashing Edge - Flashing Core	Brown/Gray/Tan Fibrous Homogeneous	65% Cellulose 20% Synthetic	15% Non-fibrous (Other)	None Detected
2-1-Flashing Core 2 *291703662-0003A*	S Roof 1 Flashing Edge - Flashing Core	Gray/White/Black Fibrous Homogeneous	10% Cellulose 5% Synthetic 20% Glass	65% Non-fibrous (Other)	None Detected
2-1-Flashing Core 3 *291703662-0003B*	S Roof 1 Flashing Edge - Flashing Core	Gray/White Fibrous Homogeneous	2% Cellulose 10% Glass	88% Non-fibrous (Other)	None Detected
2-2-Flashing Core 1 *291703662-0004*	W Roof 1 Flashing Drain - Flashing Core	White Fibrous Homogeneous	20% Cellulose	80% Non-fibrous (Other)	None Detected

Initial report from: 05/09/2017 11:05:16

EMSL Analytical, Inc.
2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560
Tel/Fax: (919) 465-3900 / (919) 465-3950
http://www.EMSL.com / raleighlab@emsl.com

EMSL Order: 291703662
Customer ID: FROE69
Customer PO: tbd
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
2-2-Flashing Core 2 *291703662-0004A*	W Roof 1 Flashing Drain - Flashing Core	Brown Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
2-2-Flashing Core 3 *291703662-0004B*	W Roof 1 Flashing Drain - Flashing Core	Black Fibrous Homogeneous	2% Cellulose 2% Glass	96% Non-fibrous (Other)	None Detected
2-2-Flashing Core 4 *291703662-0004C*	W Roof 1 Flashing Drain - Flashing Core	White Fibrous Homogeneous	8% Cellulose	92% Non-fibrous (Other)	None Detected
3-1 *291703662-0005*	W R1 - @ Drain - Tar (Black)	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3-2 *291703662-0006*	S R1 - @ Drain - Tar (Black)	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
4-1 *291703662-0007*	NW R1 - Skylight - Sealant (Black)	Black Fibrous Homogeneous	2% Cellulose 2% Glass	96% Non-fibrous (Other)	None Detected
4-2 *291703662-0008*	NW R2 - Skylights - Sealant (Black)	Black Fibrous Homogeneous	<1% Cellulose 3% Glass	97% Non-fibrous (Other)	None Detected
5-1 *291703662-0009*	NW R2 - Skylights - Caulk (White)	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
6-1 *291703662-0010*	AHU - Duct Seams - Seam Sealant (White)	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
7-1 *291703662-0011*	@ R2 - Counter Flashing Caulk (White)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
7-2 *291703662-0012*	@ R3 - Counter Flashing Caulk (White)	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
8-1 *291703662-0013*	S R1 - @ Fan - Tar (Black)	Black Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
8-2 *291703662-0014*	W R1 - @ Fan - Tar (Black)	Black Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
9-1-Roof Core 1 *291703662-0015*	N R1 @ Expansion - Roof Expansion Core	Gray/Black Fibrous Homogeneous	10% Glass	90% Non-fibrous (Other)	None Detected
9-1-Roof Core 2 *291703662-0015A*	N R1 @ Expansion - Roof Expansion Core	White/Black Fibrous Homogeneous	60% Synthetic	40% Non-fibrous (Other)	None Detected
9-1-Roof Core 3 *291703662-0015B*	N R1 @ Expansion - Roof Expansion Core	Gray Fibrous Homogeneous	5% Cellulose 20% Glass	75% Non-fibrous (Other)	None Detected
9-1-Roof Core 4 *291703662-0015C*	N R1 @ Expansion - Roof Expansion Core	White/Black Fibrous Homogeneous	30% Glass	70% Non-fibrous (Other)	None Detected
9-1-Roof Core 5 *291703662-0015D*	N R1 @ Expansion - Roof Expansion Core	Black Fibrous Homogeneous	5% Cellulose 10% Glass	85% Non-fibrous (Other)	None Detected
9-1-Roof Core 6 *291703662-0015E*	N R1 @ Expansion - Roof Expansion Core	Brown/Black Fibrous Homogeneous	10% Cellulose 10% Glass	80% Non-fibrous (Other)	None Detected

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EMSL Order: 291703662
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Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
10-1-Roof Core 1 *291703662-0016*	E R3 - Field - Roof Core - 4 Layers	Brown/Black Fibrous Homogeneous	2% Cellulose 20% Glass	78% Non-fibrous (Other)	None Detected
10-1-Roof Core 2 *291703662-0016A*	E R3 - Field - Roof Core - 4 Layers	Yellow Fibrous Homogeneous	85% Glass	15% Non-fibrous (Other)	None Detected
10-1-Roof Core 3 *291703662-0016B*	E R3 - Field - Roof Core - 4 Layers	Gray/Black Fibrous Homogeneous	5% Cellulose 15% Glass	80% Non-fibrous (Other)	None Detected
10-1-Roof Core 4 *291703662-0016C*	E R3 - Field - Roof Core - 4 Layers	Gray Fibrous Homogeneous	2% Cellulose 2% Glass	96% Non-fibrous (Other)	None Detected
10-2-Roof Core 1 *291703662-0017*	SW R2 - Field - Roof Core - 6 Layers	Black Fibrous Homogeneous	30% Glass	70% Non-fibrous (Other)	None Detected
10-2-Roof Core 2 *291703662-0017A*	SW R2 - Field - Roof Core - 6 Layers	Yellow Fibrous Homogeneous	85% Min. Wool	15% Non-fibrous (Other)	None Detected
10-2-Roof Core 3 *291703662-0017B* *Inseparable yellow insulation*	SW R2 - Field - Roof Core - 6 Layers	Black/Yellow Fibrous Homogeneous	60% Cellulose 20% Min. Wool	20% Non-fibrous (Other)	None Detected
10-2-Roof Core 4 *291703662-0017C*	SW R2 - Field - Roof Core - 6 Layers	Black Fibrous Homogeneous	5% Cellulose 20% Glass	75% Non-fibrous (Other)	None Detected
10-2-Roof Core 5 *291703662-0017D*	SW R2 - Field - Roof Core - 6 Layers	Tan Fibrous Homogeneous	85% Min. Wool	15% Non-fibrous (Other)	None Detected
10-2-Roof Core 6 *291703662-0017E*	SW R2 - Field - Roof Core - 6 Layers	White Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
11-1-Flashing Core 1 *291703662-0018*	E R3 @ Edge - Flashing Core	Black Fibrous Homogeneous	2% Cellulose 10% Glass	88% Non-fibrous (Other)	None Detected
11-1-Flashing Core 2 *291703662-0018A*	E R3 @ Edge - Flashing Core	Gray/Black Fibrous Homogeneous	2% Cellulose 5% Glass	93% Non-fibrous (Other)	None Detected
11-1-Flashing Core 3 *291703662-0018B*	E R3 @ Edge - Flashing Core	Gray Fibrous Homogeneous	2% Cellulose 2% Glass	96% Non-fibrous (Other)	None Detected
11-2-Flashing Core 1 *291703662-0019*	NW R2 @ Edge - Flashing Core	Black Fibrous Homogeneous	15% Glass	85% Non-fibrous (Other)	None Detected
11-2-Flashing Core 2 *291703662-0019A*	NW R2 @ Edge - Flashing Core	Black Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
11-2-Flashing Core 3 *291703662-0019B*	NW R2 @ Edge - Flashing Core	Gray/White Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
12-1 *291703662-0020*	SW R2 @ AHU - Tar (Black)	Brown/Black Fibrous Homogeneous	2% Cellulose 10% Glass	88% Non-fibrous (Other)	None Detected
12-2 *291703662-0021*	SE R2 @ Fan - Tar (Black)	Black Fibrous Homogeneous	2% Cellulose 5% Glass	93% Non-fibrous (Other)	None Detected

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EMSL Order: 291703662
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Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
13-1 *291703662-0022*	N R2 - @ Gutter - Caulk (White)	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
13-2 *291703662-0023*	N R3 - @ Gutter - Caulk (White)	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
14-1 *291703662-0024*	S - Entrance Plaza - Capstone Mortar	Brown/Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
14-2 *291703662-0025*	S - Garden Wall - Capstone Mortar	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15-1 *291703662-0026*	S - Entrance Plaza - Capstone	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
15-2 *291703662-0027*	S - Garden Wall - Capstone	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
16-1 *291703662-0028*	SW - @ Garden Door - Yellow Concrete Patch	Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17-1A *291703662-0029*	SW @ Building - Brick (A)	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17-1B *291703662-0030*	SW @ Building - Mortar (B)	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17-2A *291703662-0031*	E @ Building - Brick (A)	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
17-2B *291703662-0032*	E @ Building - Mortar (B)	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-1A *291703662-0033*	N - @ Chimney - Brick (A)	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
18-1B *291703662-0034*	N - @ Chimney - Mortar (B)	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
19-1 *291703662-0035*	W - @ Settling Tank - Concrete (White)	Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-1A *291703662-0036*	NW - @ Windows Framing - Concrete (A)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-1B *291703662-0037*	NW - @ Windows Framing - Mortar (B)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-2A *291703662-0038*	SE @ Window Framing - Concrete (A)	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-2B *291703662-0039*	SE @ Window Framing - Mortar (B)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
21-1A *291703662-0040*	S - Entrance Window sill - Concrete (A)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order:	291703662
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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
21-1B *291703662-0041*	S - Entrance Window sill - Mortar (B)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22-1 *291703662-0042*	S Entrance Concrete - Concrete	Gray/Black Non-Fibrous Homogeneous	<1% Cellulose <1% Synthetic	100% Non-fibrous (Other)	None Detected
23-1 *291703662-0043*	S - Entrance Windows - Glazing	Gray/Clear Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
24-1 *291703662-0044*	S - Entrance Windows - Caulk (MO)	Brown/Red/Clear Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
25-1A *291703662-0045*	S - Entrance Plaza - Brick (A)	Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25-1B *291703662-0046*	S - Entrance Plaza - Mortar Base (B)	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
25-1C *291703662-0047*	S - Entrance Plaza - Grout ©	Brown/Black Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
26-1 *291703662-0048*	S Entrance Door/Window - Caulk (MO) (Black)	Black Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
27-1 *291703662-0049*	SE - Window - Window Glazing	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
28-1 *291703662-0050*	SE - Window - Window MO Caulk	White Fibrous Homogeneous	5% Wollastonite	90% Non-fibrous (Other)	5% Chrysotile
29-1 *291703662-0051*	S East Blue Storage Door - Caulk (White-Painted Blue)	White/Blue Fibrous Homogeneous	<1% Cellulose 5% Wollastonite	92% Non-fibrous (Other)	3% Chrysotile
30-1A *291703662-0052*	S East Overhang - Plaster Yellow Painted Finish (A)	Tan Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
30-1B *291703662-0053*	S East Overhang - Tan Base (B)	Gray Fibrous Homogeneous	2% Cellulose 5% Glass	93% Non-fibrous (Other)	None Detected
30-2A *291703662-0054*	S West Overhang - Plaster Yellow Painted Finish (A)	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
30-2B *291703662-0055*	S West Overhang - Tan Base (B)	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
30-3A *291703662-0056*	E Overhang - Plaster Yellow Painted Finish (A)	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
30-3B *291703662-0057*	E Overhang - Tan Base (B)	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
31-1 *291703662-0058*	E Windows - Window MO Caulk (White)	White Fibrous Homogeneous	<1% Cellulose 5% Wollastonite	92% Non-fibrous (Other)	3% Chrysotile
32-1 *291703662-0059*	E Windows - Window Glazing	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
29-2 *291703662-0060*	E Gym Doors - Caulk (White-Painted Blue)				Positive Stop (Not Analyzed)
33-1 *291703662-0061*	N Chiller - Pipe Ins. Jacket Behind Metal	White Fibrous Homogeneous	30% Cellulose 20% Glass	50% Non-fibrous (Other)	None Detected
33-2 *291703662-0062*	N Chiller - Pipe Ins. Jacket Behind Metal	White/Silver Fibrous Homogeneous	10% Cellulose 30% Glass	60% Non-fibrous (Other)	None Detected
34-1 *291703662-0063*	N Chiller - End Sealant	White/Yellow Fibrous Homogeneous	<1% Cellulose 65% Min. Wool	35% Non-fibrous (Other)	None Detected
34-2 *291703662-0064*	N Chiller - End Sealant	White Fibrous Homogeneous	2% Cellulose 5% Min. Wool	93% Non-fibrous (Other)	None Detected
35-1 *291703662-0065*	N HVAC Duct - Seam Sealant	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
36-1 *291703662-0066*	N HVAC - Vibration Dampner	Black Fibrous Homogeneous	45% Synthetic	55% Non-fibrous (Other)	None Detected
37-1 *291703662-0067*	N Cutout - Door/Expansion Caulk	Gray Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
38-1 *291703662-0068*	W Building - Expansion Joint Caulk	Gray Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected

Analyst(s)

Joshua Moorman (17)
Olivia Bradley (34)
Roxsee Stover (48)

Billy Barnes, Asbestos Lab Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

Initial report from: 05/09/2017 11:05:16

OrderID: 291703662

SINCE 1881

FROEHLING & ROBERTSON, INC. 68

Froehling & Robertson
66V-0025, DDFC
5/8/2017 11:30
PLM

TAT: 24 Hour
Bulk

Order ID: 291703662
No Samples: 68
Due: 05/09 11:30 AM
Fax: 919-582-0304

919.828.5751

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client: Wildlands Engineering
Project Name: DDFC
Project Location: 808 West Trinity Avenue
Durham, North Carolina 27701
F&R Job #: 66V-0025
Purchase Order #: TBD

Analysis Requested: PLM EPA 600/R-93/116
Turn-Around-Time: 24-hour

Building ID: DDFC
Sampling Area: DDFC
Date Collected: 5/4/17
Inspector: C.Shaw ; P. Hughes
Project Manager: C.Shaw

Comments:
STOP AT FIRST POSITIVE
Email Results to: CShaw@fandr.com

BULK SAMPLE LOCATION

HA #	Sample #	Material Description	Situation	Location
1	1	Roof Core ~6 Layers	R1	SE Roof 1 - Field
1	2	Roof Core ~6 Layers	R1	SW Roof 1 - Field
2	1	Flashing Core	R1	S Roof 1 - Flashing Edge
2	2	Flashing Core	R1	W Roof 1 - Flashing Drain
3	1	Tar (Black)	R1	W R1 - @ Drain
3	2	Tar (Black)	R1	S R1 - @ Drain
4	1	Sealant (Black)	R1	NW R1 - Skylight
4	2	Sealant (Black)	R2	R2 - Skylights
5	1	Caulk (White)	R2	R2 - Skylights
~~5~~				
6	1	Seam Sealant (White)	R1	AHU - Duct Seams
7	1	Counter Flashing Caulk (White)	R1	@ R2
7	2	Counter Flashing Caulk (White)	R1	@ R3

CHAIN OF CUSTODY

Relinquished By[1] Paul Hughes	Date: 5/8/17	~~Received~~ Rcvd By[2]	Date: 5/8/17
Signature	Time: 11:30	Signature	Time: 11:30
Relinquished By[3]	Date:	Received By[4]	Date:
Signature	Time:	Signature	Time:

SINCE

FROEHLING & ROBERTSON, INC.

Froehling & Robertson
66V-0025, DDFC
5/8/2017 11:30
PLM

TAT: 24 Hour
Bulk

Order ID: 291703662
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Fax: 919-582-0304

1881

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client: Wildlands Engineering
Project Name: DDFC
Project Location: 808 West Trinity Avenue
Durham, North Carolina 27701
F&R Job #: 66V-0025
Purchase Order #:

Analysis Requested: PLM EPA 600/R-93/116
Turn-Around-Time:

Building ID: DDFC
Sampling Area: DDFC
Date Collected:
Inspector: C.Shaw
Project Manager: C.Shaw

Comments:
STOP AT FIRST POSITIVE
Email Results to: CShaw@fandr.com

BULK SAMPLE LOCATION

HA #	Sample #	Material Description	Situation	Location
8	1	Tar (Black)	R1	S R1 - @ Fan
8	2	Tar (Black)	R1	W R1 - @ Fan
9	1	Roof Expansion Core	R1	N R1 - @ Expansion
10	1	Roof Core ~ 4 Layers	R3	E R3 - Field
10	2	Roof Core ~6 Layers	R2	SW R2 - Field
11	1	Flashing Core	R3	E R3 - @ Edge
11	2	Flashing Core	R2	NW R2 - @ Edge
12	1	Tar (Black)	R2	SW R2 - @ AHU
12	2	Tar (Black)	R2	SE R2 - @ ~~AHU~~ Fan
13	1	Caulk (white)	R2	N R2 - @ Gutter
13	2	Caulk (White)	R3	N R3 - @ Gutter
14	1	Capstone Mortar	E	S - Entrance Plaza
14	2	Capstone Mortar	E	S - Garden Wall
15	1	Capstone	E	S - Entrance Plaza
15	2	Capstone	E	S - Garden Wall

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Froehling & Robertson
66V-0025, DDFC
5/8/2017 11:30
PLM

TAT: 24 Hour
Bulk

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Due: 05/09 11:30 AM
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Durham, North Carolina 27701
F&R Job #: 66V-0025
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Turn-Around-Time:

Building ID: DDFC
Sampling Area: DDFC
Date Collected:
Inspector: C.Shaw
Project Manager: C.Shaw
Comments:
STOP AT FIRST POSITIVE
Email Results to: CShaw@fandr.com

BULK SAMPLE LOCATION

HA #	Sample #	Material Description	Situation	Location
16	1	Yellow Concrete Patch	E	SW - @ Garden Door
17	1 A B	Brick (A) / Mortar (B)	E	SW - @ Building
17	2 A B	Brick (A) / Mortar (B)	E	E - @ Building
18	1 A B	Brick (A) / Mortar (B)	E	N - @ Chimney
19	1	Concrete (white)	E	W - @ Settling Tank
20	1 A B	Concrete (A) / mortar (B)	E	NW - @ Windows Framing
20	2 A B	Concrete (A) / Mortar (B)	E	SE - @ Window Framing
21	1 A B	Concrete (A) / Mortar (B)	E	S - Entrance Window Sill
22	1	Concrete	E	S - Entrance Concrete
23	1	Glazing	E	S - Entrance Windows
24	1	Caulk (MO)	E	S - Entrance Windows
25	1 A B C	Brick (A) / Mortar Base (B) / Grout (C)	E	S - Entrance Plaza
26	1	Caulk (MO) (black)	E	S - Entrance Door/Window
27	1	Window Glazing	E	SE - window
28	1	Window MO Caulk	E	SE - window

SINCE 1881

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66V-0025, DDFC
5/8/2017 11:30
PLM

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Bulk

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BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

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Project Name: DDFC
Project Location: 808 West Trinity Avenue
Durham, North Carolina 27701
F&R Job #: 66V-0025
Purchase Order #:

Analysis Requested: PLM EPA 600/R-93/116
Turn-Around-Time:

Building ID: DDFC
Sampling Area: DDFC
Date Collected:
Inspector: C.Shaw
Project Manager: C.Shaw
Comments:
STOP AT FIRST POSITIVE
Email Results to: CShaw@fandr.com

BULK SAMPLE LOCATION

HA #	Sample #	Material Description	Situation	Location
29	1	Caulk (White - Painted Blue)	E	S - East Blue Storage Door
30	1 A B	Plaster: Yellow Painted Finish (A) / Tan Base (B)	E	S - East overhang
30	2 A B	Plaster: Yellow Finish (A) / Tan Base (B)	E	S - West overhang
30	3 A B	Plaster: Yellow Finish (A) / Tan Base (B)	E	E - Overhang
31	1	Window MO Caulk (White)	E	E - Windows
32	1	Window Glazing	E	E - Windows
29	2	Caulk (White - Painted Blue)	E	E - Gym Doors
33	1	Pipe Ins. Jacket Behind metal	E	N - Chiller
33	2	" "	E	N - Chiller
34	1	End Sealant	E	N - Chiller
34	2	End Sealant	E	N - Chiller
35	1	Seam Sealant	E	N - HVAC Duct
36	1	Vibration Dampner	E	N - HVAC
37	1	Door / Expansion Caulk	E	N - Cutout
38	1	Expansion Joint Caulk	E	W - Building

EMSL Analytical, Inc.

2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

http://www.EMSL.com / raleighlab@emsl.com

EMSL Order: 291703667
Customer ID: FROE69
Customer PO: TBD
Project ID:

Attention: Christopher Shaw
Froehling & Robertson
310 Hubert St.
Raleigh, NC 27603

Project: 66V-0025, DDFC

Phone: (919) 828-3441
Fax: (919) 582-0304
Received Date: 05/08/2017 11:30 AM
Analysis Date: 05/08/2017 - 05/09/2017
Collected Date: 05/05/2017

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
1-1 *291703667-0001*	Gym - Floor Vapor Barrier	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
1-2 *291703667-0002*	Gym - Floor Vapor Barrier	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
2-1 *291703667-0003*	Gym - Wall Mastic	Tan Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
2-2 *291703667-0004*	Gym - Wall Mastic	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
3-1 *291703667-0005*	Gym Beneath Floor - Black Tar on Slab	Black Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
3-2 *291703667-0006*	Gym Beneath Floor - Black Tar on Slab	Black Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
4-1A *291703667-0007*	Gym Walls - Brick (A)	Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-1B *291703667-0008*	Gym Walls - Block (B)	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
4-1C *291703667-0009*	Gym Walls - Mortar (C)	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
5-1-Fberboard *291703667-0010*	Gym Ceiling - Ceiling Fiberboard	Brown Fibrous Homogeneous	85% Min. Wool	15% Non-fibrous (Other)	None Detected
5-1-Texture *291703667-0010A*	Gym Ceiling - Ceiling Fiberboard	White/Blue Fibrous Homogeneous	2% Min. Wool	95% Non-fibrous (Other)	3% Chrysotile
6-1 *291703667-0011*	SW Gym to Office - Window Glazing	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
7-1 *291703667-0012*	Gym - NEDoor - Caulk	Gray/White Fibrous Homogeneous	2% Wollastonite	95% Non-fibrous (Other)	3% Chrysotile
7-2 *291703667-0013*	Gym - SE Door - Caulk	White Fibrous Homogeneous	2% Wollastonite	96% Non-fibrous (Other)	2% Chrysotile
8-1 *291703667-0014*	107 Floor - Yellow Carpet Mastic	Black/Yellow Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
9-1 *291703667-0015*	107 Floor - Black Floor Mastic	Black Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile

Initial report from: 05/09/2017 10:48:22

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2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560
Tel/Fax: (919) 465-3900 / (919) 465-3950
http://www.EMSL.com / raleighlab@emsl.com

EMSL Order: 291703667
Customer ID: FROE69
Customer PO: TBD
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous	Asbestos % Type
10-1 *291703667-0016*	107T-Walls - 4x4 Ceramic Tile Mortar Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-1A *291703667-0017*	107T-Floors - 6x6 Ceramic Tile Mortar Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
11-1B *291703667-0018*	107T-Floors - 6x6 Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
12-1 *291703667-0019*	Boiler Room - FG End Sealant	White Fibrous Homogeneous	2% Cellulose 3% Min. Wool	95% Non-fibrous (Other)	None Detected
13-1 *291703667-0020*	@ Walls - Boiler Room - Red Sealant	Red Fibrous Homogeneous	8% Glass	92% Non-fibrous (Other)	None Detected
14-1 *291703667-0021*	@ HVAC - Boiler Room - Black Sealant on HVAC Units	Black Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
15-1 *291703667-0022*	Rec Room @ Ext. Door - Clear Yellow Caulk	Yellow/Clear Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
16-1A *291703667-0023*	Suite 120 - "Wood" Vinyl (A)	Brown Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
16-1B *291703667-0024*	Suite 120 - Mastic (B)	Brown/Gray Fibrous Homogeneous	2% Cellulose 2% Synthetic	96% Non-fibrous (Other)	None Detected
17-1A *291703667-0025*	Suite 120 - "Cobblestone" Vinyl (A)	Tan/Pink/Beige Fibrous Homogeneous	15% Cellulose	55% Non-fibrous (Other)	30% Chrysotile
17-1B *291703667-0026* *Inseparable vinyl / mastic layer included in analysis*	Suite 120 - Mastic (B)	Yellow/Green Fibrous Homogeneous	5% Cellulose	85% Non-fibrous (Other)	10% Chrysotile
18-1 *291703667-0027*	Suite 120 - 2" Shower Ceramic Tile Mortar Base	Gray/Black Fibrous Homogeneous	2% Wollastonite	98% Non-fibrous (Other)	None Detected
19-1 *291703667-0028*	Suite 120 - Grey Duct Mastic	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
20-1 *291703667-0029*	121 A - 1.5" Ceramic Tile Mortar Base	Gray/Black Fibrous Homogeneous	2% Wollastonite	98% Non-fibrous (Other)	None Detected
21-1 *291703667-0030*	LR1 - Shower Floor Coating	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
22-1 *291703667-0031*	LR1 - 2" Ceramic Tile Mortar/Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23-1A *291703667-0032*	LR1 - 12" Floor Tile (A)	Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
23-1B-Mastic 1 *291703667-0033*	LR1 - Mastic (B)	Yellow Fibrous Homogeneous	2% Cellulose 2% Synthetic	96% Non-fibrous (Other)	None Detected

Initial report from: 05/09/2017 10:48:22

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EMSL Order:	291703667
Customer ID:	FROE69
Customer PO:	TBD
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
23-1B-Mastic 2 *291703667-0033A*	LR1 - Mastic (B)	Black Fibrous Homogeneous	2% Cellulose	95% Non-fibrous (Other)	3% Chrysotile
24-1 *291703667-0034*	116B - Drywall Glued to Black - Adhesive	Yellow Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
25-1 *291703667-0035*	Suite 116 - FG Ins. Paper	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
26-1 *291703667-0036*	LR 2: Bathroom/Shower - 1" Ceramic Tile Mortar Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
27-1 *291703667-0037*	LR 2: Entrance - Blue Wallpaper	White/Blue Fibrous Homogeneous	75% Cellulose	25% Non-fibrous (Other)	None Detected
28-1 *291703667-0038*	Learning Center - Carpet Mastic, Yellow/Black	Black/Yellow Fibrous Homogeneous	2% Cellulose	95% Non-fibrous (Other)	3% Chrysotile
17-2A *291703667-0039*	Kitchen - "Cobblestone" Linoleum (A)				Positive Stop (Not Analyzed)
17-2B-Mastic 1 *291703667-0040*	Kitchen - Mastic (B)	Yellow Fibrous Homogeneous	2% Cellulose 2% Synthetic	96% Non-fibrous (Other)	None Detected
17-2B-Mastic 2 *291703667-0040A*	Kitchen - Mastic (B)				Positive Stop (Not Analyzed)
29-1 *291703667-0041*	Lounge - Wallpaper	White Fibrous Homogeneous	85% Synthetic	15% Non-fibrous (Other)	None Detected
30-1A *291703667-0042*	Office 1 - 12" Floor Tile (A)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
30-1B-Mastic 1 *291703667-0043*	Office 1 - Mastic (B)	Yellow Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
30-1B-Mastic 2 *291703667-0043A*	Office 1 - Mastic (B)	Black/Yellow Fibrous Homogeneous	2% Cellulose	95% Non-fibrous (Other)	3% Chrysotile
31-1A *291703667-0044*	St 2 - 12" Floor Tile (A)	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
31-1B-Mastic 1 *291703667-0045*	St 2 - Mastic (B)	Yellow Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
31-1B-Mastic 2 *291703667-0045A*	St 2 - Mastic (B)	Black Fibrous Homogeneous	3% Cellulose	97% Non-fibrous (Other)	None Detected
32-1 *291703667-0046*	Dining - 6" Ceramic Tile Grout	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
33-1 *291703667-0047*	Dining - 6" Ceramic Tile Mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
34-1 *291703667-0048*	Dining/Kitchen - 4" Ceramic Tile Mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order:	291703667
Customer ID:	FROE69
Customer PO:	TBD
Project ID:	

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
35-1 *291703667-0049*	Dining/Kitchen - 4" Ceramic Tile Grout	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
36-1 *291703667-0050*	Pool - Pool Tile Mortar Base	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
37-1 *291703667-0051*	Pool - Decorative Tile Mortar Base	Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
38-1 *291703667-0052*	Pool - Terrazzo Coping	Various Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
39-1 *291703667-0053*	Pool Walls - Ceramic Wall Tile Mortar	White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
40-1 *291703667-0054*	N Pool Windows - Window MO Caulk	Brown/Gray Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
41-1 *291703667-0055*	Pool - Pool Coping Caulk	Tan Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
42-1-Insulation *291703667-0056*	Pool ME - Pipe Ins.	White Fibrous Homogeneous		40% Non-fibrous (Other)	60% Chrysotile
42-1-Wrap *291703667-0056A*	Pool ME - Pipe Ins.	Brown/Black/Silver Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (Other)	None Detected
42-2 *291703667-0057* *No insulation present in sample.*	Pool ME - Pipe Ins.	Brown Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (Other)	None Detected
25-2 *291703667-0058*	Hallway Debris - FG Ins. Paper	Black/Yellow Fibrous Homogeneous	60% Cellulose 8% Min. Wool	32% Non-fibrous (Other)	None Detected
43-1 *291703667-0059*	Hallway Debris - FG Pipe Ins. Paper	White/Silver Fibrous Homogeneous	45% Cellulose 20% Glass	35% Non-fibrous (Other)	None Detected
43-2 *291703667-0060*	Hallway Debris - FG Pipe Ins. Paper	White/Silver Fibrous Homogeneous	45% Cellulose 20% Glass	35% Non-fibrous (Other)	None Detected
43-3 *291703667-0061*	Hallway Debris - FG Pipe Ins. Paper	White Fibrous Homogeneous	20% Cellulose 30% Glass	50% Non-fibrous (Other)	None Detected

Initial report from: 05/09/2017 10:48:22

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http://www.EMSL.com / raleighlab@emsl.com

EMSL Order:	291703667
Customer ID:	FROE69
Customer PO:	TBD
Project ID:	

Analyst(s)

Joshua Moorman (31)
Kelly Gallisdorfer (27)
Olivia Bradley (7)

Billy Barnes, Asbestos Lab Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

Initial report from: 05/09/2017 10:48:22

SINCE 1881

Froehling & Robertson
66V-0025, DDFC
5/8/2017 11:30
PLM

TAT: 24 Hour
Bulk

Order ID: 291703667
No Samples: 61
Due: 05/09 11:30 AM
Fax: 919-582-0304

T 919.828.3441 I F 919.828.5751

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client: Wildlands Engineering
Project Name: DDFC
Project Location: 808 West Trinity Avenue
Durham, North Carolina 27701
F&R Job #: 66V-0025
Purchase Order #: TBD

Analysis Requested: PLM EPA 600/R-93/116
Turn-Around-Time: 24-hr

Building ID: DDFC
Sampling Area: DDFC
Date Collected: 5/5/17
Inspector: C.Shaw ; P.Hughes
Project Manager: C.Shaw

Comments:
STOP AT FIRST POSITIVE
Email Results to: CShaw@fandr.com

BULK SAMPLE LOCATION

HA #	Sample #	Material Description	Situation	Location
1	1	Floor Vapor Barrier		Gym
1	2	" "		"
2	1	Wall Mastic		Gym
2	2	" "		"
3	1	Black Tar on Slab		Gym - Beneath Floor
3	2	" "		" "
4	1 A B C	Brick (A)/Block (B)/Mortar (C)		Gym walls
5	1	Ceiling Fiberboard		Gym Ceiling
6	1	Window Glazing		SW Gym to Office
7	1	Caulk		Gym - NE Door
7	2	"		Gym - SE Door
8	1	Yellow Carpet Mastic		107 Floor
9	1	Black Floor Mastic		" "

CHAIN OF CUSTODY

Relinquished By[1] Paul Hughes	Date: 5/8/17	rwd Received By[2]		Date: 5/8/17	11:30
Signature	Time: 11:30	Signature		Time:	
Relinquished By[3]	Date:	Received By[4]		Date:	
Signature	Time:	Signature		Time:	

SINCE 1881

FROEHLING & ROBERTSON, INC.

Stability Since 1881

Froehling & Robertson
66V-0025, DDFC
5/8/2017 11:30
PLM

TAT: 24 Hour
Bulk

Order ID: 291703667
No Samples: 61
Due: 05/09 11:30 AM
Fax: 919-582-0304

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client: Wildlands Engineering
Project Name: DDFC
Project Location: 808 West Trinity Avenue
Durham, North Carolina 27701
F&R Job #: 66V-0025
Purchase Order #:

Analysis Requested: PLM EPA 600/R-93/116
Turn-Around-Time:

Building ID: DDFC
Sampling Area: DDFC
Date Collected:
Inspector: C.Shaw
Project Manager: C.Shaw

Comments:
STOP AT FIRST POSITIVE
Email Results to: CShaw@fandr.com

BULK SAMPLE LOCATION

HA #	Sample #	Material Description	Situation	Location
10	1	4x4 Ceramic Tile Mortar Base		COZT - walls
11	1A	6x6 Ceramic Tile Mortar Base		10ZT - Floors
11	1B	6x6 Ceramic Tile Grout		" "
12	1	FG End Sealant		Boiler Room
13	1	Red Sealant		@ Walls - Boiler Room
14	1	Black Sealant on HVAC Units		@ HVAC - Boiler Room
15	1	Clear Yellow Caulk		Rec Room @ Ext. Door
16	1 A B	"Lava" Vinyl (A)/Mastic (B)		Suite 120
17	1 A B	"Cobblestone" Vinyl (A)/Mastic (B)		" "
18	1	2" Shower Ceramic Tile Mortar Base		" "
19	1	Grey Duct Mastic		Suite 120
20	1	1.5" Ceramic Tile Mortar Base		121 A
21	1	Shower Floor Coating		LR1
22	1	2" Ceramic Tile Mortar/Grout		LR1
23	1 A B	12" Floor Tile (A)/Mastic (B)		LR1

SINCE 1881

Froehling & Robertson
66V-0025, DDFC
5/8/2017 11:30
PLM

TAT: 24 Hour
Bulk

Order ID: 291703667
No Samples: 61
Due: 05/09 11:30 AM
Fax: 919-582-0304

T 919.828.3441 | F 919.828.5751

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client: Wildlands Engineering
Project Name: DDFC
Project Location: 808 West Trinity Avenue
Durham, North Carolina 27701
F&R Job #: 66V-0025
Purchase Order #:

Building ID: DDFC
Sampling Area: DDFC
Date Collected:
Inspector: C.Shaw
Project Manager: C.Shaw

Analysis Requested: PLM EPA 600/R-93/116
Turn-Around-Time:

Comments:
STOP AT FIRST POSITIVE
Email Results to: CShaw@fandr.com

BULK SAMPLE LOCATION

HA #	Sample #	Material Description	Situation	Location
24	1	Adhesive		116 B - Drywall Glued to Block
25	1	FG Ins. Paper		Suite 116
26	1	1" Ceramic Tile Mortar Base		LR 2: Bathroom/Shower
27	1	Blue Wallpaper		LR 2: Entrance
28	1	Carpet Mastic: Yellow/Black		Learning Center
17	2 A B	"Cobblestone" Linoleum (A)/Mastic (B)		Kitchen
29	1	Wall Paper		Lounge
30	1 A B	12" Floor Tile (A)/Mastic (B)		Office 1
31	1 A B	12" FT (A)/Mastic (B)		ST 2
32	1	6" Ceramic Tile Grout		Dining
33	1	6" Ceramic Tile Mortar		Dining
34	1	4" Ceramic Tile Mortar		Dining Kitchen
35	1	4" Ceramic Tile Grout		Dining Kitchen
36	1	Pool Tile Mortar Base		Pool
37	1	Decorative Tile Mortar Base		Pool

SINCE 1881

Froehling & Robertson
66V-0025, DDFC
5/8/2017 11:30
PLM

TAT: 24 Hour
Bulk

Order ID: 291703667
No Samples: 61
Due: 05/09 11:30 AM
Fax: 919-582-0304

Raleigh, North Carolina 27603-2302
T 919.828.3441 | F 919.828.5751

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client: Wildlands Engineering
Project Name: DDFC
Project Location: 808 West Trinity Avenue
Durham, North Carolina 27701
F&R Job #: 66V-0025
Purchase Order #:

Building ID: DDFC
Sampling Area: DDFC
Date Collected:
Inspector: C.Shaw
Project Manager: C.Shaw

Analysis Requested: PLM EPA 600/R-93/116
Turn-Around-Time:

Comments:
STOP AT FIRST POSITIVE
Email Results to: CShaw@fandr.com

BULK SAMPLE LOCATION

HA #	Sample #	Material Description	Situation	Location
38	1	Terrazzo Coping		Pool
39	1	Ceramic Wall Title Mortar		Pool Walls
40	1	Window MO Caulk		N Pool Windows
41	1	Pool Coping Caulk		Pool
42	1	Pipe Ins		Pool ME
42	2	" "		" "
25	2	FG Ins. Paper		Hallway Debris
43	1	FG Pipe Ins. Paper		Hallway Debris
43	2	FG Pipe Ins. Paper		Hallway Debris
43	3	FG Pipe Ins. Paper		Hallway Debris

EMSL Analytical, Inc.

2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

http://www.EMSL.com / raleighlab@emsl.com

EMSL Order: 291703918
Customer ID: FROE69
Customer PO: TBD
Project ID:

Attention: Christopher Shaw
Froehling & Robertson
310 Hubert St.
Raleigh, NC 27603

Project: 66V-0025

Phone: (919) 828-3441
Fax: (919) 582-0304
Received Date: 05/16/2017 1:50 PM
Analysis Date: 05/17/2017
Collected Date: 05/16/2017

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
F-1A *291703918-0001*	Gym - SE - Fiberboard (A)	Brown Fibrous Homogeneous	85% Min. Wool	15% Non-fibrous (Other)	None Detected
F-1B *291703918-0002* *Result includes a small amount of inseparable attached material*	Gym - SE - Coating (B)	White/Blue Fibrous Homogeneous	5% Min. Wool	92% Non-fibrous (Other)	3% Chrysotile
C-1 *291703918-0003*	Pool - SW - Cement Board	Gray/White Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
C-2 *291703918-0004*	Pool - Cement Board	Gray/White Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
G-1 *291703918-0005*	Pool ME - Green Gasket	Green Fibrous Homogeneous	10% Synthetic 10% Wollastonite	80% Non-fibrous (Other)	None Detected
C-3 *291703918-0006*	Pool ME - Cement Board	Gray/White Fibrous Homogeneous		80% Non-fibrous (Other)	20% Chrysotile
F-2A *291703918-0007*	Hallway 5 @ Suite 120 - Fiberboard (No Coating)	Brown Fibrous Homogeneous	85% Min. Wool	15% Non-fibrous (Other)	None Detected
TSI-1 *291703918-0008*	Hallway 5 @ Suite 120 - Black Pipe Wrap	Black/Silver Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
F-3A *291703918-0009*	Hall 1 @ 107T - Fiberboard (No Coating)	Brown Fibrous Homogeneous	85% Min. Wool	15% Non-fibrous (Other)	None Detected
TSI-2 *291703918-0010*	Hall 1 @ 107T - Black Hard Pipe Wrap	Brown/Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (Other)	None Detected
TSI-3 *291703918-0011*	Hall 1 @ 107T - Tan Pipe Wrap	Brown/Black/Silver Fibrous Homogeneous	45% Cellulose	55% Non-fibrous (Other)	None Detected
F-4A *291703918-0012*	Rec Room - Fiberboard (No Coating)	Brown Fibrous Homogeneous	85% Min. Wool	15% Non-fibrous (Other)	None Detected

Initial report from: 05/17/2017 12:49:14

EMSL Analytical, Inc.

2500 Gateway Centre Blvd., Suite 600 Morrisville, NC 27560

Tel/Fax: (919) 465-3900 / (919) 465-3950

http://www.EMSL.com / raleighlab@emsl.com

EMSL Order:	291703918
Customer ID:	FROE69
Customer PO:	TBD
Project ID:	

Analyst(s)

Olivia Bradley (1)

Roxsee Stover (11)

Billy Barnes, Asbestos Lab Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Morrisville, NC NVLAP Lab Code 200671-0, VA 3333 000278, WVA LT000296

Initial report from: 05/17/2017 12:49:14

OrderID: 291703918

SINCE 1881

FROEHLING & ROBERTSON, INC.

Froehling & Robertson
66V-0025
5/16/2017 13:50
PLM

TAT: 24 Hour
Bulk

Order ID: 291703918
No Samples: 12
Due: 05/17 1:50 PM
Fax: 919-582-0304

T 919.828.3441 F 919.828.3751

BULK SAMPLE DATA AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION

Client: Wildlands Engineering
Project Name: DDFC
Project Location: 808 West Trinity Avenue
Durham, North Carolina 27701
F&R Job #: 66V-0025
Purchase Order #: TBD

Building ID: DDFC
Sampling Area: DDFC
Date Collected: 5/16/17
Inspector: C.Shaw
Project Manager: C.Shaw

Comments:
STOP AT FIRST POSITIVE
Email Results to: CShaw@fandr.com

Analysis Requested: PLM EPA 600/R-93/116
Turn-Around-Time: 24-Hour

BULK SAMPLE LOCATION

HA #	Sample #	Material Description	Situation	Location
F	1 A B	Fiberboard (A)/Coating (B)		Gym-SE
C	1	Cement Board		Pool-SW
C	2	" "		Pool
G	1	Green Gasket		Pool ME
C	3	Cement Board		Pool ME
F	2A	Fiberboard (No Coating)		Hallway 5 @ Suite 120
TSI	1	Black Pipe Wrap		Hallway 5 @ Suite 120
F	3A	Fiberboard (No Coating)		Hall 1 @ 107T
TSI	2	Black Hard Pipe Wrap		Hall 1 @ 107T
TSI	3	Tan Pipe Wrap		Hall 1 @ 107T
F	4A	Fiberboard (No Coating)		Rec Room

CHAIN OF CUSTODY

Relinquished By[1] Christopher P. Shaw	Date: 5/16/17	Received By[2]	Date: 5/16/17
Signature	Time: 13:50	Signature	Time: 1150

Relinquished By[3]	Date:	Received By[4]	Date:
Signature	Time:	Signature	Time:

Appendix E

Laboratory Certificates of Analysis
Bulk Sample Chain of Custody Forms

Section 2
Polychlorinated Biphenyls

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

May 22, 2017

Christopher Shaw
Froehling & Robertson - Raleigh, NC
310 Hubert Street
Raleigh, NC 27603

Project Location: Durham, NC
Client Job Number:
Project Number: 66V-0025
Laboratory Work Order Number: 17E0604

Enclosed are results of analyses for samples received by the laboratory on May 9, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Froehling & Robertson - Raleigh, NC
310 Hubert Street
Raleigh, NC 27603
ATTN: Christopher Shaw

REPORT DATE: 5/22/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 66V-0025

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17E0604

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Durham, NC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
1	17E0604-01	Caulk		SW-846 8082A	
2	17E0604-02	Caulk		SW-846 8082A	
3	17E0604-03	Caulk		SW-846 8082A	
4	17E0604-04	Caulk		SW-846 8082A	
5	17E0604-05	Caulk		SW-846 8082A	
6	17E0604-06	Caulk		SW-846 8082A	
7	17E0604-07	Caulk		SW-846 8082A	
8	17E0604-08	Caulk		SW-846 8082A	
9	17E0604-09	Caulk		SW-846 8082A	
10	17E0604-10	Caulk		SW-846 8082A	
11	17E0604-11	Caulk		SW-846 8082A	
12	17E0604-12	Caulk		SW-846 8082A	
13	17E0604-13	Caulk		SW-846 8082A	
14	17E0604-14	Caulk		SW-846 8082A	
15	17E0604-15	Caulk		SW-846 8082A	
16	17E0604-16	Caulk		SW-846 8082A	
17	17E0604-17	Caulk		SW-846 8082A	
18	17E0604-18	Caulk		SW-846 8082A	
19	17E0604-19	Caulk		SW-846 8082A	
20	17E0604-20	Caulk		SW-846 8082A	
21	17E0604-21	Caulk		SW-846 8082A	
22	17E0604-22	Caulk		SW-846 8082A	
23	17E0604-23	Caulk		SW-846 8082A	
24	17E0604-24	Caulk		SW-846 8082A	

Exterior:
1 Skylights
2 Entrance non-op window glazing patch
3 Entrance non-op window glazing
4 R3 at fans
5 Skylights R2
6 North pipe end at chiller
7 Entrance door/window masonry opening
8 SE window masonry opening
9 Coutner flashing/vents r1
10 R2/R3 at gutter
11 West expansion joint
12 East window glazing
13 SE window glazing
14 SE blue dining room door
15 R3 caulk @ Air Handling Units
16 Entrance non-op window mo caulk
17 R3 at fans
18 North door/expansion at cutout
19 East window masonry opening

Interior:
20 Gym exterior doors
21 Pool coping
22 Dining wash room caulk
23 Recreation room ext door
24 North pool window masonry opening

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082A

Qualifications:

B-05

Data is not affected by elevated level in blank since sample(s) result is "Not Detected".

Analyte & Samples(s) Qualified:

Aroclor-1254
B176890-BLK1

Aroclor-1254 [2C]
B176890-BLK1

P-01

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:

Aroclor-1254
17E0604-16RE1[16]

S-01

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
17E0604-11[11], 17E0604-18[18]

Decachlorobiphenyl [2C]
17E0604-11[11], 17E0604-18[18]

Tetrachloro-m-xylene
17E0604-11[11], 17E0604-18[18]

Tetrachloro-m-xylene [2C]
17E0604-11[11], 17E0604-18[18]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 1
Sample ID: 17E0604-01
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:10	KAL
Aroclor-1221 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:10	KAL
Aroclor-1232 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:10	KAL
Aroclor-1242 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:10	KAL
Aroclor-1248 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:10	KAL
Aroclor-1254 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:10	KAL
Aroclor-1260 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:10	KAL
Aroclor-1262 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:10	KAL
Aroclor-1268 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:10	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		5/19/17 18:10
Decachlorobiphenyl [2]	121	30-150		5/19/17 18:10
Tetrachloro-m-xylene [1]	112	30-150		5/19/17 18:10
Tetrachloro-m-xylene [2]	137	30-150		5/19/17 18:10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 2
Sample ID: 17E0604-02
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:28	KAL
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:28	KAL
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:28	KAL
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:28	KAL
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:28	KAL
Aroclor-1254 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:28	KAL
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:28	KAL
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:28	KAL
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:28	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	117	30-150		5/19/17 18:28
Decachlorobiphenyl [2]	122	30-150		5/19/17 18:28
Tetrachloro-m-xylene [1]	100	30-150		5/19/17 18:28
Tetrachloro-m-xylene [2]	119	30-150		5/19/17 18:28

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 3
Sample ID: 17E0604-03
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:46	KAL
Aroclor-1221 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:46	KAL
Aroclor-1232 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:46	KAL
Aroclor-1242 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:46	KAL
Aroclor-1248 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:46	KAL
Aroclor-1254 [2]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:46	KAL
Aroclor-1260 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:46	KAL
Aroclor-1262 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:46	KAL
Aroclor-1268 [1]	ND	0.73	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 18:46	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.5	30-150		5/19/17 18:46
Decachlorobiphenyl [2]	92.7	30-150		5/19/17 18:46
Tetrachloro-m-xylene [1]	85.3	30-150		5/19/17 18:46
Tetrachloro-m-xylene [2]	102	30-150		5/19/17 18:46

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 4
Sample ID: 17E0604-04
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:04	KAL
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:04	KAL
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:04	KAL
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:04	KAL
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:04	KAL
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:04	KAL
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:04	KAL
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:04	KAL
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:04	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.7	30-150		5/19/17 19:04
Decachlorobiphenyl [2]	113	30-150		5/19/17 19:04
Tetrachloro-m-xylene [1]	80.4	30-150		5/19/17 19:04
Tetrachloro-m-xylene [2]	114	30-150		5/19/17 19:04

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 5
Sample ID: 17E0604-05
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:21	KAL
Aroclor-1221 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:21	KAL
Aroclor-1232 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:21	KAL
Aroclor-1242 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:21	KAL
Aroclor-1248 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:21	KAL
Aroclor-1254 [2]	ND	0.70	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:21	KAL
Aroclor-1260 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:21	KAL
Aroclor-1262 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:21	KAL
Aroclor-1268 [1]	ND	0.70	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:21	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		5/19/17 19:21
Decachlorobiphenyl [2]	114	30-150		5/19/17 19:21
Tetrachloro-m-xylene [1]	92.1	30-150		5/19/17 19:21
Tetrachloro-m-xylene [2]	113	30-150		5/19/17 19:21

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 6
Sample ID: 17E0604-06
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:39	KAL
Aroclor-1221 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:39	KAL
Aroclor-1232 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:39	KAL
Aroclor-1242 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:39	KAL
Aroclor-1248 [2]	1.7	0.71	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:39	KAL
Aroclor-1254 [2]	5.6	0.71	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:39	KAL
Aroclor-1260 [2]	6.6	0.71	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:39	KAL
Aroclor-1262 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:39	KAL
Aroclor-1268 [1]	ND	0.71	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:39	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		5/19/17 19:39
Decachlorobiphenyl [2]	114	30-150		5/19/17 19:39
Tetrachloro-m-xylene [1]	91.9	30-150		5/19/17 19:39
Tetrachloro-m-xylene [2]	109	30-150		5/19/17 19:39

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604

Date Received: 5/9/2017

Field Sample #: 7

Sample ID: 17E0604-07
Start Date/Time: 5/4/2017 12:00:00AM

Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:57	KAL
Aroclor-1221 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:57	KAL
Aroclor-1232 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:57	KAL
Aroclor-1242 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:57	KAL
Aroclor-1248 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:57	KAL
Aroclor-1254 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:57	KAL
Aroclor-1260 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:57	KAL
Aroclor-1262 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:57	KAL
Aroclor-1268 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 19:57	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	112	30-150		5/19/17 19:57
Decachlorobiphenyl [2]	120	30-150		5/19/17 19:57
Tetrachloro-m-xylene [1]	99.3	30-150		5/19/17 19:57
Tetrachloro-m-xylene [2]	115	30-150		5/19/17 19:57

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 8
Sample ID: 17E0604-08
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:14	KAL
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:14	KAL
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:14	KAL
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:14	KAL
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:14	KAL
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:14	KAL
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:14	KAL
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:14	KAL
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:14	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	115	30-150		5/19/17 20:14
Decachlorobiphenyl [2]	123	30-150		5/19/17 20:14
Tetrachloro-m-xylene [1]	109	30-150		5/19/17 20:14
Tetrachloro-m-xylene [2]	125	30-150		5/19/17 20:14

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 9
Sample ID: 17E0604-09
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:32	KAL
Aroclor-1221 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:32	KAL
Aroclor-1232 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:32	KAL
Aroclor-1242 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:32	KAL
Aroclor-1248 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:32	KAL
Aroclor-1254 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:32	KAL
Aroclor-1260 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:32	KAL
Aroclor-1262 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:32	KAL
Aroclor-1268 [1]	ND	0.79	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:32	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.8	30-150		5/19/17 20:32
Decachlorobiphenyl [2]	115	30-150		5/19/17 20:32
Tetrachloro-m-xylene [1]	93.4	30-150		5/19/17 20:32
Tetrachloro-m-xylene [2]	110	30-150		5/19/17 20:32

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 10
Sample ID: 17E0604-10
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:50	KAL
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:50	KAL
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:50	KAL
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:50	KAL
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:50	KAL
Aroclor-1254 [2]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:50	KAL
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:50	KAL
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:50	KAL
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 20:50	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		5/19/17 20:50
Decachlorobiphenyl [2]	113	30-150		5/19/17 20:50
Tetrachloro-m-xylene [1]	96.9	30-150		5/19/17 20:50
Tetrachloro-m-xylene [2]	111	30-150		5/19/17 20:50

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604

Date Received: 5/9/2017

Field Sample #: 11

Sample ID: 17E0604-11
Start Date/Time: 5/4/2017 12:00:00AM

Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	18000	mg/Kg	100000		SW-846 8082A	5/15/17	5/18/17 21:38	PJG
Aroclor-1221 [1]	ND	18000	mg/Kg	100000		SW-846 8082A	5/15/17	5/18/17 21:38	PJG
Aroclor-1232 [1]	ND	18000	mg/Kg	100000		SW-846 8082A	5/15/17	5/18/17 21:38	PJG
Aroclor-1242 [1]	ND	18000	mg/Kg	100000		SW-846 8082A	5/15/17	5/18/17 21:38	PJG
Aroclor-1248 [1]	ND	18000	mg/Kg	100000		SW-846 8082A	5/15/17	5/18/17 21:38	PJG
Aroclor-1254 [1]	ND	18000	mg/Kg	100000		SW-846 8082A	5/15/17	5/18/17 21:38	PJG
Aroclor-1260 [2]	210000	18000	mg/Kg	100000		SW-846 8082A	5/15/17	5/18/17 21:38	PJG
Aroclor-1262 [1]	ND	18000	mg/Kg	100000		SW-846 8082A	5/15/17	5/18/17 21:38	PJG
Aroclor-1268 [1]	ND	18000	mg/Kg	100000		SW-846 8082A	5/15/17	5/18/17 21:38	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/18/17 21:38
Decachlorobiphenyl [2]	*	30-150	S-01	5/18/17 21:38
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/18/17 21:38
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/18/17 21:38

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604

Date Received: 5/9/2017

Field Sample #: 12

Sample ID: 17E0604-12
Start Date/Time: 5/4/2017 12:00:00AM

Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:13	KAL
Aroclor-1221 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:13	KAL
Aroclor-1232 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:13	KAL
Aroclor-1242 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:13	KAL
Aroclor-1248 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:13	KAL
Aroclor-1254 [2]	ND	0.75	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:13	KAL
Aroclor-1260 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:13	KAL
Aroclor-1262 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:13	KAL
Aroclor-1268 [1]	ND	0.75	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:13	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		5/19/17 22:13
Decachlorobiphenyl [2]	117	30-150		5/19/17 22:13
Tetrachloro-m-xylene [1]	105	30-150		5/19/17 22:13
Tetrachloro-m-xylene [2]	120	30-150		5/19/17 22:13

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 13
Sample ID: 17E0604-13
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:31	KAL
Aroclor-1221 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:31	KAL
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:31	KAL
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:31	KAL
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:31	KAL
Aroclor-1254 [1]	1.0	0.74	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:31	KAL
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:31	KAL
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:31	KAL
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:31	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	117	30-150		5/19/17 22:31
Decachlorobiphenyl [2]	125	30-150		5/19/17 22:31
Tetrachloro-m-xylene [1]	111	30-150		5/19/17 22:31
Tetrachloro-m-xylene [2]	125	30-150		5/19/17 22:31

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 14
Sample ID: 17E0604-14
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:49	KAL
Aroclor-1221 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:49	KAL
Aroclor-1232 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:49	KAL
Aroclor-1242 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:49	KAL
Aroclor-1248 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:49	KAL
Aroclor-1254 [2]	1.6	0.72	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:49	KAL
Aroclor-1260 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:49	KAL
Aroclor-1262 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:49	KAL
Aroclor-1268 [1]	ND	0.72	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 22:49	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	110	30-150		5/19/17 22:49
Decachlorobiphenyl [2]	116	30-150		5/19/17 22:49
Tetrachloro-m-xylene [1]	106	30-150		5/19/17 22:49
Tetrachloro-m-xylene [2]	121	30-150		5/19/17 22:49

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604

Date Received: 5/9/2017

Field Sample #: 15

Sample ID: 17E0604-15
Start Date/Time: 5/4/2017 12:00:00AM

Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:06	KAL
Aroclor-1221 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:06	KAL
Aroclor-1232 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:06	KAL
Aroclor-1242 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:06	KAL
Aroclor-1248 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:06	KAL
Aroclor-1254 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:06	KAL
Aroclor-1260 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:06	KAL
Aroclor-1262 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:06	KAL
Aroclor-1268 [1]	ND	0.78	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:06	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	115	30-150		5/19/17 23:06
Decachlorobiphenyl [2]	120	30-150		5/19/17 23:06
Tetrachloro-m-xylene [1]	98.1	30-150		5/19/17 23:06
Tetrachloro-m-xylene [2]	111	30-150		5/19/17 23:06

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 16
Sample ID: 17E0604-16
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:24	KAL
Aroclor-1221 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:24	KAL
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:24	KAL
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:24	KAL
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:24	KAL
Aroclor-1254 [1]	0.87	0.76	mg/Kg	4	P-01	SW-846 8082A	5/18/17	5/19/17 23:24	KAL
Aroclor-1260 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:24	KAL
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:24	KAL
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:24	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		5/19/17 23:24
Decachlorobiphenyl [2]	98.5	30-150		5/19/17 23:24
Tetrachloro-m-xylene [1]	92.9	30-150		5/19/17 23:24
Tetrachloro-m-xylene [2]	107	30-150		5/19/17 23:24

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 17
Sample ID: 17E0604-17
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:42	KAL
Aroclor-1221 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:42	KAL
Aroclor-1232 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:42	KAL
Aroclor-1242 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:42	KAL
Aroclor-1248 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:42	KAL
Aroclor-1254 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:42	KAL
Aroclor-1260 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:42	KAL
Aroclor-1262 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:42	KAL
Aroclor-1268 [1]	ND	0.67	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:42	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		5/19/17 23:42
Decachlorobiphenyl [2]	114	30-150		5/19/17 23:42
Tetrachloro-m-xylene [1]	99.1	30-150		5/19/17 23:42
Tetrachloro-m-xylene [2]	112	30-150		5/19/17 23:42

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17E0604

Date Received: 5/9/2017

Field Sample #: 18

Sample ID: 17E0604-18
Start Date/Time: 5/4/2017 12:00:00AM

Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	17000	mg/Kg	100000		SW-846 8082A	5/15/17	5/19/17 15:18	PJG
Aroclor-1221 [1]	ND	17000	mg/Kg	100000		SW-846 8082A	5/15/17	5/19/17 15:18	PJG
Aroclor-1232 [1]	ND	17000	mg/Kg	100000		SW-846 8082A	5/15/17	5/19/17 15:18	PJG
Aroclor-1242 [1]	ND	17000	mg/Kg	100000		SW-846 8082A	5/15/17	5/19/17 15:18	PJG
Aroclor-1248 [1]	ND	17000	mg/Kg	100000		SW-846 8082A	5/15/17	5/19/17 15:18	PJG
Aroclor-1254 [1]	ND	17000	mg/Kg	100000		SW-846 8082A	5/15/17	5/19/17 15:18	PJG
Aroclor-1260 [2]	220000	17000	mg/Kg	100000		SW-846 8082A	5/15/17	5/19/17 15:18	PJG
Aroclor-1262 [1]	ND	17000	mg/Kg	100000		SW-846 8082A	5/15/17	5/19/17 15:18	PJG
Aroclor-1268 [1]	ND	17000	mg/Kg	100000		SW-846 8082A	5/15/17	5/19/17 15:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/19/17 15:18
Decachlorobiphenyl [2]	*	30-150	S-01	5/19/17 15:18
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/19/17 15:18
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/19/17 15:18

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 19
Sample ID: 17E0604-19
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:59	KAL
Aroclor-1221 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:59	KAL
Aroclor-1232 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:59	KAL
Aroclor-1242 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:59	KAL
Aroclor-1248 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:59	KAL
Aroclor-1254 [2]	1.8	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:59	KAL
Aroclor-1260 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:59	KAL
Aroclor-1262 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:59	KAL
Aroclor-1268 [1]	ND	0.80	mg/Kg	4		SW-846 8082A	5/18/17	5/19/17 23:59	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		5/19/17 23:59
Decachlorobiphenyl [2]	112	30-150		5/19/17 23:59
Tetrachloro-m-xylene [1]	105	30-150		5/19/17 23:59
Tetrachloro-m-xylene [2]	118	30-150		5/19/17 23:59

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604

Date Received: 5/9/2017

Field Sample #: 20

Sample ID: 17E0604-20
Start Date/Time: 5/4/2017 12:00:00AM

Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/20/17 0:17	KAL
Aroclor-1221 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/20/17 0:17	KAL
Aroclor-1232 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/20/17 0:17	KAL
Aroclor-1242 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/20/17 0:17	KAL
Aroclor-1248 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/20/17 0:17	KAL
Aroclor-1254 [1]	5.3	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/20/17 0:17	KAL
Aroclor-1260 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/20/17 0:17	KAL
Aroclor-1262 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/20/17 0:17	KAL
Aroclor-1268 [1]	ND	0.68	mg/Kg	4		SW-846 8082A	5/18/17	5/20/17 0:17	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.4	30-150		5/20/17 0:17
Decachlorobiphenyl [2]	106	30-150		5/20/17 0:17
Tetrachloro-m-xylene [1]	91.7	30-150		5/20/17 0:17
Tetrachloro-m-xylene [2]	108	30-150		5/20/17 0:17

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 21
Sample ID: 17E0604-21
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 17:55	KAL
Aroclor-1221 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 17:55	KAL
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 17:55	KAL
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 17:55	KAL
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 17:55	KAL
Aroclor-1254 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 17:55	KAL
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 17:55	KAL
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 17:55	KAL
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 17:55	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	118	30-150		5/17/17 17:55
Decachlorobiphenyl [2]	121	30-150		5/17/17 17:55
Tetrachloro-m-xylene [1]	104	30-150		5/17/17 17:55
Tetrachloro-m-xylene [2]	115	30-150		5/17/17 17:55

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 22
Sample ID: 17E0604-22
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:13	KAL
Aroclor-1221 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:13	KAL
Aroclor-1232 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:13	KAL
Aroclor-1242 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:13	KAL
Aroclor-1248 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:13	KAL
Aroclor-1254 [1]	1.1	0.69	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:13	KAL
Aroclor-1260 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:13	KAL
Aroclor-1262 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:13	KAL
Aroclor-1268 [1]	ND	0.69	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:13	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.8	30-150		5/17/17 18:13
Decachlorobiphenyl [2]	99.5	30-150		5/17/17 18:13
Tetrachloro-m-xylene [1]	55.3	30-150		5/17/17 18:13
Tetrachloro-m-xylene [2]	62.3	30-150		5/17/17 18:13

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 23
Sample ID: 17E0604-23
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:31	KAL
Aroclor-1221 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:31	KAL
Aroclor-1232 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:31	KAL
Aroclor-1242 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:31	KAL
Aroclor-1248 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:31	KAL
Aroclor-1254 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:31	KAL
Aroclor-1260 [2]	0.82	0.76	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:31	KAL
Aroclor-1262 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:31	KAL
Aroclor-1268 [1]	ND	0.76	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:31	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.3	30-150		5/17/17 18:31
Decachlorobiphenyl [2]	86.8	30-150		5/17/17 18:31
Tetrachloro-m-xylene [1]	83.8	30-150		5/17/17 18:31
Tetrachloro-m-xylene [2]	92.2	30-150		5/17/17 18:31

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Project Location: Durham, NC
Sample Description:
Work Order: 17E0604
Date Received: 5/9/2017
Field Sample #: 24
Sample ID: 17E0604-24
Start Date/Time: 5/4/2017 12:00:00AM
Sample Matrix: Caulk
Stop Date/Time: 5/5/2017 12:00:00AM

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:48	KAL
Aroclor-1221 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:48	KAL
Aroclor-1232 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:48	KAL
Aroclor-1242 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:48	KAL
Aroclor-1248 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:48	KAL
Aroclor-1254 [2]	0.84	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:48	KAL
Aroclor-1260 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:48	KAL
Aroclor-1262 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:48	KAL
Aroclor-1268 [1]	ND	0.74	mg/Kg	4		SW-846 8082A	5/15/17	5/17/17 18:48	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	119	30-150		5/17/17 18:48
Decachlorobiphenyl [2]	122	30-150		5/17/17 18:48
Tetrachloro-m-xylene [1]	112	30-150		5/17/17 18:48
Tetrachloro-m-xylene [2]	124	30-150		5/17/17 18:48

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Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17E0604-11 [11]	B176890	0.559	10.0	05/15/17
17E0604-18 [18]	B176890	0.574	10.0	05/15/17

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17E0604-21 [21]	B176931	0.543	10.0	05/15/17
17E0604-22 [22]	B176931	0.581	10.0	05/15/17
17E0604-23 [23]	B176931	0.529	10.0	05/15/17
17E0604-24 [24]	B176931	0.540	10.0	05/15/17

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17E0604-01RE1 [1]	B177266	0.549	10.0	05/18/17
17E0604-02RE1 [2]	B177266	0.500	10.0	05/18/17
17E0604-03RE1 [3]	B177266	0.547	10.0	05/18/17
17E0604-04RE1 [4]	B177266	0.504	10.0	05/18/17
17E0604-05RE1 [5]	B177266	0.575	10.0	05/18/17
17E0604-06RE1 [6]	B177266	0.562	10.0	05/18/17
17E0604-07RE1 [7]	B177266	0.587	10.0	05/18/17
17E0604-08RE1 [8]	B177266	0.508	10.0	05/18/17
17E0604-09RE1 [9]	B177266	0.509	10.0	05/18/17
17E0604-10RE1 [10]	B177266	0.500	10.0	05/18/17
17E0604-12RE1 [12]	B177266	0.533	10.0	05/18/17
17E0604-13RE1 [13]	B177266	0.538	10.0	05/18/17
17E0604-14RE1 [14]	B177266	0.554	10.0	05/18/17
17E0604-15RE1 [15]	B177266	0.516	10.0	05/18/17
17E0604-16RE1 [16]	B177266	0.523	10.0	05/18/17
17E0604-17RE1 [17]	B177266	0.598	10.0	05/18/17
17E0604-19RE1 [19]	B177266	0.502	10.0	05/18/17
17E0604-20RE1 [20]	B177266	0.588	10.0	05/18/17

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B176890 - SW-846 3546										
Blank (B176890-BLK1)				Prepared: 05/15/17 Analyzed: 05/18/17						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	0.32	0.20	mg/Kg							B-05
Aroclor-1254 [2C]	0.32	0.20	mg/Kg							B-05
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*3.82*		mg/Kg	4.00		95.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.71*		mg/Kg	4.00		92.7	30-150			
Surrogate: Tetrachloro-m-xylene	*3.34*		mg/Kg	4.00		83.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.51*		mg/Kg	4.00		87.7	30-150			
LCS (B176890-BS1)				Prepared: 05/15/17 Analyzed: 05/18/17						
Aroclor-1016	2.9	0.20	mg/Kg	4.00		71.9	40-140			
Aroclor-1016 [2C]	2.8	0.20	mg/Kg	4.00		70.9	40-140			
Aroclor-1260	2.9	0.20	mg/Kg	4.00		73.4	40-140			
Aroclor-1260 [2C]	3.0	0.20	mg/Kg	4.00		76.1	40-140			
Surrogate: Decachlorobiphenyl	*3.80*		mg/Kg	4.00		95.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.76*		mg/Kg	4.00		94.1	30-150			
Surrogate: Tetrachloro-m-xylene	*3.35*		mg/Kg	4.00		83.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.53*		mg/Kg	4.00		88.2	30-150			
LCS Dup (B176890-BSD1)				Prepared: 05/15/17 Analyzed: 05/18/17						
Aroclor-1016	2.9	0.20	mg/Kg	4.00		72.1	40-140	0.269		
Aroclor-1016 [2C]	3.0	0.20	mg/Kg	4.00		75.0	40-140	5.64		
Aroclor-1260	2.9	0.20	mg/Kg	4.00		72.8	40-140	0.836		
Aroclor-1260 [2C]	3.0	0.20	mg/Kg	4.00		76.1	40-140	0.00197		
Surrogate: Decachlorobiphenyl	*3.71*		mg/Kg	4.00		92.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.67*		mg/Kg	4.00		91.9	30-150			
Surrogate: Tetrachloro-m-xylene	*3.28*		mg/Kg	4.00		82.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.56*		mg/Kg	4.00		89.0	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B176931 - SW-846 3546										
Blank (B176931-BLK1)				Prepared: 05/15/17 Analyzed: 05/17/17						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*4.50*		mg/Kg	4.00		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.50*		mg/Kg	4.00		113	30-150			
Surrogate: Tetrachloro-m-xylene	*4.09*		mg/Kg	4.00		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.37*		mg/Kg	4.00		109	30-150			
LCS (B176931-BS1)				Prepared: 05/15/17 Analyzed: 05/17/17						
Aroclor-1016	3.8	0.20	mg/Kg	4.00		95.0	40-140			
Aroclor-1016 [2C]	3.9	0.20	mg/Kg	4.00		98.4	40-140			
Aroclor-1260	3.8	0.20	mg/Kg	4.00		95.4	40-140			
Aroclor-1260 [2C]	3.9	0.20	mg/Kg	4.00		97.6	40-140			
Surrogate: Decachlorobiphenyl	*4.71*		mg/Kg	4.00		118	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.79*		mg/Kg	4.00		120	30-150			
Surrogate: Tetrachloro-m-xylene	*4.24*		mg/Kg	4.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.67*		mg/Kg	4.00		117	30-150			
LCS Dup (B176931-BSD1)				Prepared: 05/15/17 Analyzed: 05/17/17						
Aroclor-1016	3.8	0.20	mg/Kg	4.00		94.8	40-140	0.120		
Aroclor-1016 [2C]	3.9	0.20	mg/Kg	4.00		98.5	40-140	0.145		
Aroclor-1260	3.8	0.20	mg/Kg	4.00		95.4	40-140	0.0933		
Aroclor-1260 [2C]	3.9	0.20	mg/Kg	4.00		96.9	40-140	0.714		
Surrogate: Decachlorobiphenyl	*4.69*		mg/Kg	4.00		117	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.89*		mg/Kg	4.00		122	30-150			
Surrogate: Tetrachloro-m-xylene	*4.26*		mg/Kg	4.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.69*		mg/Kg	4.00		117	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B177266 - SW-846 3546										
Blank (B177266-BLK1)				Prepared: 05/18/17 Analyzed: 05/19/17						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*4.63*		mg/Kg	4.00		116	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.75*		mg/Kg	4.00		119	30-150			
Surrogate: Tetrachloro-m-xylene	*3.75*		mg/Kg	4.00		93.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.22*		mg/Kg	4.00		105	30-150			
LCS (B177266-BS1)				Prepared: 05/18/17 Analyzed: 05/19/17						
Aroclor-1016	3.4	0.20	mg/Kg	4.00		85.9	40-140			
Aroclor-1016 [2C]	3.8	0.20	mg/Kg	4.00		95.5	40-140			
Aroclor-1260	3.5	0.20	mg/Kg	4.00		87.1	40-140			
Aroclor-1260 [2C]	3.8	0.20	mg/Kg	4.00		94.1	40-140			
Surrogate: Decachlorobiphenyl	*4.78*		mg/Kg	4.00		119	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.96*		mg/Kg	4.00		124	30-150			
Surrogate: Tetrachloro-m-xylene	*4.10*		mg/Kg	4.00		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.69*		mg/Kg	4.00		117	30-150			
LCS Dup (B177266-BSD1)				Prepared: 05/18/17 Analyzed: 05/19/17						
Aroclor-1016	3.4	0.20	mg/Kg	4.00		84.7	40-140	1.46		
Aroclor-1016 [2C]	3.8	0.20	mg/Kg	4.00		95.8	40-140	0.239		
Aroclor-1260	3.5	0.20	mg/Kg	4.00		87.5	40-140	0.510		
Aroclor-1260 [2C]	3.8	0.20	mg/Kg	4.00		95.3	40-140	1.31		
Surrogate: Decachlorobiphenyl	*4.87*		mg/Kg	4.00		122	30-150			
Surrogate: Decachlorobiphenyl [2C]	*5.08*		mg/Kg	4.00		127	30-150			
Surrogate: Tetrachloro-m-xylene	*4.17*		mg/Kg	4.00		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.79*		mg/Kg	4.00		120	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

6

Lab Sample ID: 17E0604-06RE1 Date(s) Analyzed: 05/19/2017 05/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	1.7	12.5
Aroclor-1254	1	0.000	0.000	0.000	5.4	
	2	0.000	0.000	0.000	5.6	3.6
Aroclor-1260	1	0.000	0.000	0.000	6.0	
	2	0.000	0.000	0.000	6.6	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

11

Lab Sample ID: 17E0604-11

Date(s) Analyzed: 05/18/2017 05/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	200000	
	2	0.000	0.000	0.000	210000	4.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

13

Lab Sample ID: 17E0604-13RE1 Date(s) Analyzed: 05/19/2017 05/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	0.83	18.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

14

Lab Sample ID: 17E0604-14RE1

Date(s) Analyzed: 05/19/2017 05/19/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.5	
	2	0.000	0.000	0.000	1.6	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

18

Lab Sample ID: 17E0604-18

Date(s) Analyzed: 05/19/2017 05/19/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	210000	
	2	0.000	0.000	0.000	220000	4.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

19

Lab Sample ID: 17E0604-19RE1 Date(s) Analyzed: 05/19/2017 05/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.3	
	2	0.000	0.000	0.000	1.8	32.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

20

Lab Sample ID: 17E0604-20RE1

Date(s) Analyzed: 05/20/2017 05/20/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	5.3	
	2	0.000	0.000	0.000	4.8	9.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

22

Lab Sample ID: 17E0604-22

Date(s) Analyzed: 05/17/2017 05/17/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	1.1	
	2	0.000	0.000	0.000	1.0	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B176890-BS1

Date(s) Analyzed: 05/18/2017 05/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	2.8	3.5
Aroclor-1260	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	3.0	3.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B176890-BSD1

Date(s) Analyzed: 05/18/2017 05/18/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	3.0	3.4
Aroclor-1260	1	0.000	0.000	0.000	2.9	
	2	0.000	0.000	0.000	3.0	3.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B176931-BS1

Date(s) Analyzed: 05/17/2017 05/17/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.8	
	2	0.000	0.000	0.000	3.9	2.6
Aroclor-1260	1	0.000	0.000	0.000	3.8	
	2	0.000	0.000	0.000	3.9	2.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B176931-BSD1

Date(s) Analyzed: 05/17/2017 05/17/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.8	
	2	0.000	0.000	0.000	3.9	2.6
Aroclor-1260	1	0.000	0.000	0.000	3.8	
	2	0.000	0.000	0.000	3.9	2.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B177266-BS1

Date(s) Analyzed: 05/19/2017 05/19/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	3.8	11.1
Aroclor-1260	1	0.000	0.000	0.000	3.5	
	2	0.000	0.000	0.000	3.8	8.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B177266-BSD1 Date(s) Analyzed: 05/19/2017 05/19/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	3.4	
	2	0.000	0.000	0.000	3.8	11.1
Aroclor-1260	1	0.000	0.000	0.000	3.5	
	2	0.000	0.000	0.000	3.8	8.2

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
B-05	Data is not affected by elevated level in blank since sample(s) result is "Not Detected".
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2017
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2017
FL	Florida Department of Health	E871027 NELAP	06/30/2017
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017

17E0604

http://www.contestlabs.com Doc # 379 Rev 1_03242017

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Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (North Carolina)

39 Spruce Street
East Longmeadow, MA 01028

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush-Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [ ]
Other:
CLP Like Data Pkg Required: [ ]
Email To: cshaw@fandr.com
Fax To #:

Company Name: Froehling & Robertson, Inc.
Address: 310 Hubert Street, Raleigh, NC 27603
Phone: 919-719-1971
Project Name: DDFC
Project Location: Durham, NC
Project Number: 66V-0025
Project Manager: C.Shaw
Con-Test Quote Name/Number: F&R PO # TBD
Invoice Recipient: AP@FandR.com
Sampled By: C.Shaw

ANALYSIS REQUESTED: SW-846 8082A

Dissolved Metals Samples
[ ] Field Filtered
[ ] Lab to Filter

Orthophosphate Samples
[ ] Field Filtered
[ ] Lab to Filter

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	# of Containers / [2] Preservation Code / [3] Container Code
1	1			X				X
2	2			X				X
3	3			X				X
4	4			X				X
5	5			X				X
6	6			X				X
7	7			X				X
8	8			X				X
9	9			X				X
10	10			X				X

Comments:

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time: 5/9/17 17:00
Received by: (signature) BM 20.9	Date/Time: 05/11/17 10:18
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

North Carolina Detection Limit Requirements
[ ] 2L
[ ] GWPC
[ ] SWSL
[ ] IHSB
[ ] MSCC
Other:

Program Information
[ ] DSCA [ ] UST/Trust Fund
[ ] SWS Landfill [ ] REC
[ ] IHSB Orphaned Landfill
[ ] State Lead
[ ] Other:

HCLLC and AIHA-LAP, LLC Accredited

Project Entity
[ ] Government [ ] Municipality
[ ] Federal [ ] Brownfield
[ ] City [ ] School

Other
[ ] Chromatogram
[ ] *AIHA-LAP,LLC*

PCB ONLY
[ ] Soxhlet
[X] Non Soxhlet

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http://www.contestlabs.com Doc # 379 Rev 1_03242017

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (North Carolina)

39 Spruce Street
East Longmeadow, MA 01028

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush-Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [ ]
Other:
CLP Like Data Pkg Required: [ ]
Email To: cshaw@fandr.com
Fax To #:

Company Name: Froehling & Robertson, Inc.
Address: 310 Hubert Street, Raleigh, NC 27603
Phone: 919-719-1971
Project Name: DDFC
Project Location: Durham, NC
Project Number: 66V-0025
Project Manager: C.Shaw
Con-Test Quote Name/Number: F&R PO # TBD
Invoice Recipient: AP@FandR.com
Sampled By: C.Shaw

ANALYSIS REQUESTED: SW-846 8082A

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	SW-846 8082A
11	11			X				X
12	12			X				X
13	13			X				X
14	14			X				X
15	15			X				X
16	16			X				X
17	17			X				X
18	18			X				X
19	19			X				X
20	20			X				X

# of Containers
[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
[ ] Field Filtered
[ ] Lab to Filter

Orthophosphate Samples
[ ] Field Filtered
[ ] Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
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X = Sodium Hydroxide
T = Sodium Thiosulfate
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[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 5/9/17 12:00	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
eived by: (signature)	Date/Time:	
nquished by: (signature)	Date/Time:	
eived by: (signature)	Date/Time:	

North Carolina Detection Limit Requirements
[ ] 2L
[ ] GWPC
[ ] SWSL
[ ] IHSB
[ ] MSCC
Other:

Program Information
[ ] DSCA [ ] UST/Trust Fund
[ ] SWS Landfill [ ] REC
[ ] IHSB Orphaned Landfill
[ ] State Lead
[ ] Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
[ ] Government [ ] Municipality
[ ] Federal [ ] Brownfield
[ ] City [ ] School

Other
[ ] Chromatogram
[ ] *AIHA-LAP,LLC*

PCB ONLY
[ ] Soxhlet
[X] Non Soxhlet

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Doc # 379 Rev 1_03242017

con-test ANALYTICAL LABORATORY

Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (North Carolina)

39 Spruce Street
East Longmeadow, MA 01028

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush-Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [ ]
Other:
CLP Like Data Pkg Required: [ ]
Email To: cshaw@fandr.com
Fax To #:

Company Name: Froehling & Robertson, Inc.
Address: 310 Hubert Street, Raleigh, NC 27603
Phone: 919-719-1971
Project Name: DDFC
Project Location: Durham, NC
Project Number: 66V-0025
Project Manager: C.Shaw
Con-Test Quote Name/Number: F&R PO # TBD
Invoice Recipient: AP@FandR.com
Sampled By: C.Shaw

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	SW-846 8082A											# of Containers
21	21			X				X											[2] Preservation Code
22	22			X				X											[3] Container Code
23	23			X				X											
24	24			X				X											
				X				X											

Dissolved Metals Samples
[ ] Field Filtered
[ ] Lab to Filter

Orthophosphate Samples
[ ] Field Filtered
[ ] Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
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A = Amber Glass
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V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 5/9/17 1700	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

North Carolina Detection Limit Requirements
[ ] 2L
[ ] GWPC
[ ] SWSL
[ ] IHSB
[ ] MSCC
Other:

Program Information
[ ] DSCA [ ] UST/Trust Fund
[ ] SWS Landfill [ ] REC
[ ] IHSB Orphaned Landfill
[ ] State Lead
[ ] Other:

NELAC and AIHA-LAP, LLC Accredited

Project Entity
[ ] Government [ ] Municipality
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PCB ONLY
[ ] Soxhlet
[X] Non Soxhlet

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1Z26072X0196632192

Updated: 05/11/2017 2:56 P.M. Eastern Time

Delivered

Delivered On:
Thursday, 05/11/2017 at 10:18 A.M.

Left At:
Receiver

Received By:
TURER

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Shipped/Billed On:	05/10/2017
Weight:	1.00 lb

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East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: Fnochling & Roberson Inc **RECEIVED BY:** BA **DATE:** 05/11/17

1) **Was the chain(s) of custody relinquished and signed?** **Yes** ✓ **No** ____ **No COC Incl.**
2) **Does the chain agree with the samples?** **Yes** ✓ **No** ____
   If not, explain:
3) **Are all the samples in good condition?** **Yes** ✓ **No** ____
   If not, explain:
4) **How were the samples received:**

On Ice ____ Direct from Sampling ____ Ambient ____ In Cooler(s) ____

Were the samples received in Temperature Compliance of (2-6°C)? **Yes** ____ **No** ✓ **N/A** ____

Temperature °C by Temp blank ____ # ____ Temperature °C by Temp gun 20.9°C # 7

5) **Are there Dissolved samples for the lab to filter?** **Yes** ____ **No** ✓
   Who was notified ____ Date ____ Time ____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** **Yes** ____ **No** ✓
   Who was notified ____ Date ____ Time ____
7) **Location where samples are stored:**

Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: ____

8) **Do all samples have the proper Acid pH:** **Yes** ____ **No** ____ **N/A** ✓
9) **Do all samples have the proper Base pH:** **Yes** ____ **No** ____ **N/A** ✓
10) **Was the PC notified of any discrepancies with the CoC vs the samples:** **Yes** ____ **N/A** ✓

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		16 oz amber	
500 mL Amber		8 oz amber/clear jar	
250 mL Amber (8oz amber)		4 oz amber/clear jar	
1 Liter Plastic		2 oz amber/clear jar	
500 mL Plastic		Plastic Bag / Ziploc	24
250 mL plastic		SOC Kit	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

40 mL vials:	# HCl ____	# Methanol ____	Time and Date Frozen:
Doc# 277	# Bisulfate ____	# DI Water ____	
Rev. 4 August 2013	# Thiosulfate ____	Unpreserved ____	

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	F	in the Envelope
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	20.9°C #7
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	~~F~~ T	~~No~~ BM
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	F	No date or Time
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** BM **Date/Time:** 05/11/1/ 10:18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

June 23, 2017

Christopher Shaw
Froehling & Robertson - Raleigh, NC
310 Hubert Street
Raleigh, NC 27603

Project Location: Durham, NC
Client Job Number:
Project Number: 66V-0025
Laboratory Work Order Number: 17F0783

Enclosed are results of analyses for samples received by the laboratory on June 14, 2017. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kerry K. McGee
Project Manager

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con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Froehling & Robertson - Raleigh, NC
310 Hubert Street
Raleigh, NC 27603
ATTN: Christopher Shaw

REPORT DATE: 6/23/2017

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 66V-0025

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 17F0783

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Durham, NC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
AS-1	17F0783-01	Product/Solid		SW-846 8082A	
BM-2	17F0783-02	Product/Solid		SW-846 8082A	
BM-3	17F0783-03	Product/Solid		SW-846 8082A	
BM-4	17F0783-04	Product/Solid		SW-846 8082A	
BM-5	17F0783-05	Product/Solid		SW-846 8082A	
BM-6	17F0783-06	Product/Solid		SW-846 8082A	
BM-7	17F0783-07	Product/Solid		SW-846 8082A	
BM-8	17F0783-08	Product/Solid		SW-846 8082A	
BM-9	17F0783-09	Product/Solid		SW-846 8082A	
BM-10	17F0783-10	Product/Solid		SW-846 8082A	
BM-11	17F0783-11	Product/Solid		SW-846 8082A	
BM-12	17F0783-12	Product/Solid		SW-846 8082A	
SS-13	17F0783-13	Soil		SM 2540G	
				SW-846 8082A	
SS-14	17F0783-14	Soil		SM 2540G	
				SW-846 8082A	
SS-15	17F0783-15	Soil		SM 2540G	
				SW-846 8082A	

AS-1: Cutout Asphalt
BM-2: Cutout Expansion Joint - Left Middle
BM-3: Cutout Expansion Joint - Right Middle
BM-4: Cutout Expansion Joint - Left Top
BM-5: Cutout Door - Top
BM-6: Cutout Door - Right
BM-7: NW Expansion Joint - Left Bottom
BM-8: NW Expansion Joint - Right Bottom
BM-9: NW Expansion Joint - Left Middle
BM-10: NW Expansion Joint - Right Middle
BM-11: NW Expansion Joint - Left Top
BM-12: NW Expansion Joint - Right Top
SS-13: NW Expansion Joint - 0"-6"
SS-14: NW Expansion Joint - 6"-12"
SS-15: NW Expansion Joint - 12"-24"

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17F0783
Date Received: 6/14/2017
Field Sample #: AS-1
Sampled: 6/13/2017 00:00
Sample ID: 17F0783-01
Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.9	0.23	mg/Kg	20		SW-846 8082A	6/20/17	6/22/17 18:36	KAL
Aroclor-1221 [1]	ND	1.9	0.25	mg/Kg	20		SW-846 8082A	6/20/17	6/22/17 18:36	KAL
Aroclor-1232 [1]	ND	1.9	0.17	mg/Kg	20		SW-846 8082A	6/20/17	6/22/17 18:36	KAL
Aroclor-1242 [1]	ND	1.9	0.19	mg/Kg	20		SW-846 8082A	6/20/17	6/22/17 18:36	KAL
Aroclor-1248 [1]	ND	1.9	0.23	mg/Kg	20		SW-846 8082A	6/20/17	6/22/17 18:36	KAL
Aroclor-1254 [2]	7.2	1.9	0.25	mg/Kg	20		SW-846 8082A	6/20/17	6/22/17 18:36	KAL
Aroclor-1260 [2]	12	1.9	0.27	mg/Kg	20		SW-846 8082A	6/20/17	6/22/17 18:36	KAL
Aroclor-1262 [1]	ND	1.9	0.19	mg/Kg	20		SW-846 8082A	6/20/17	6/22/17 18:36	KAL
Aroclor-1268 [1]	ND	1.9	0.15	mg/Kg	20		SW-846 8082A	6/20/17	6/22/17 18:36	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.7	30-150		6/22/17 18:36
Decachlorobiphenyl [2]	110	30-150		6/22/17 18:36
Tetrachloro-m-xylene [1]	87.9	30-150		6/22/17 18:36
Tetrachloro-m-xylene [2]	94.5	30-150		6/22/17 18:36

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17F0783
Date Received: 6/14/2017
Field Sample #: BM-2
Sampled: 6/13/2017 00:00
Sample ID: 17F0783-02
Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.092	0.011	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:26	KAL
Aroclor-1221 [1]	ND	0.092	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:26	KAL
Aroclor-1232 [1]	ND	0.092	0.0083	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:26	KAL
Aroclor-1242 [1]	ND	0.092	0.0092	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:26	KAL
Aroclor-1248 [1]	ND	0.092	0.011	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:26	KAL
Aroclor-1254 [1]	ND	0.092	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:26	KAL
Aroclor-1260 [2]	0.055	0.092	0.013	mg/Kg	1	J	SW-846 8082A	6/20/17	6/22/17 15:26	KAL
Aroclor-1262 [1]	ND	0.092	0.0092	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:26	KAL
Aroclor-1268 [1]	ND	0.092	0.0073	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:26	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.1	30-150		6/22/17 15:26
Decachlorobiphenyl [2]	82.7	30-150		6/22/17 15:26
Tetrachloro-m-xylene [1]	75.4	30-150		6/22/17 15:26
Tetrachloro-m-xylene [2]	76.9	30-150		6/22/17 15:26

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17F0783

Date Received: 6/14/2017

Field Sample #: BM-3
Sampled: 6/13/2017 00:00

Sample ID: 17F0783-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:44	KAL
Aroclor-1221 [1]	ND	0.097	0.013	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:44	KAL
Aroclor-1232 [1]	ND	0.097	0.0087	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:44	KAL
Aroclor-1242 [1]	ND	0.097	0.0097	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:44	KAL
Aroclor-1248 [1]	ND	0.097	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:44	KAL
Aroclor-1254 [1]	ND	0.097	0.013	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:44	KAL
Aroclor-1260 [2]	0.19	0.097	0.014	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:44	KAL
Aroclor-1262 [1]	ND	0.097	0.0097	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:44	KAL
Aroclor-1268 [1]	ND	0.097	0.0077	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 15:44	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.8	30-150		6/22/17 15:44
Decachlorobiphenyl [2]	79.5	30-150		6/22/17 15:44
Tetrachloro-m-xylene [1]	69.1	30-150		6/22/17 15:44
Tetrachloro-m-xylene [2]	71.3	30-150		6/22/17 15:44

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17F0783
Date Received: 6/14/2017
Field Sample #: BM-4
Sampled: 6/13/2017 00:00
Sample ID: 17F0783-04
Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	0.011	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:01	KAL
Aroclor-1221 [1]	ND	0.094	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:01	KAL
Aroclor-1232 [1]	ND	0.094	0.0085	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:01	KAL
Aroclor-1242 [1]	ND	0.094	0.0094	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:01	KAL
Aroclor-1248 [1]	ND	0.094	0.011	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:01	KAL
Aroclor-1254 [1]	ND	0.094	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:01	KAL
Aroclor-1260 [2]	0.11	0.094	0.013	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:01	KAL
Aroclor-1262 [1]	ND	0.094	0.0094	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:01	KAL
Aroclor-1268 [1]	ND	0.094	0.0075	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:01	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.3	30-150		6/22/17 16:01
Decachlorobiphenyl [2]	86.2	30-150		6/22/17 16:01
Tetrachloro-m-xylene [1]	70.8	30-150		6/22/17 16:01
Tetrachloro-m-xylene [2]	73.4	30-150		6/22/17 16:01

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17F0783
Date Received: 6/14/2017
Field Sample #: BM-5
Sampled: 6/13/2017 00:00
Sample ID: 17F0783-05
Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	0.010	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:18	KAL
Aroclor-1221 [1]	ND	0.083	0.011	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:18	KAL
Aroclor-1232 [1]	ND	0.083	0.0075	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:18	KAL
Aroclor-1242 [1]	ND	0.083	0.0083	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:18	KAL
Aroclor-1248 [1]	ND	0.083	0.010	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:18	KAL
Aroclor-1254 [1]	ND	0.083	0.011	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:18	KAL
Aroclor-1260 [2]	0.16	0.083	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:18	KAL
Aroclor-1262 [1]	ND	0.083	0.0083	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:18	KAL
Aroclor-1268 [1]	ND	0.083	0.0066	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:18	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.9	30-150		6/22/17 16:18
Decachlorobiphenyl [2]	91.1	30-150		6/22/17 16:18
Tetrachloro-m-xylene [1]	73.9	30-150		6/22/17 16:18
Tetrachloro-m-xylene [2]	76.4	30-150		6/22/17 16:18

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17F0783

Date Received: 6/14/2017

Field Sample #: BM-6
Sampled: 6/13/2017 00:00

Sample ID: 17F0783-06

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	0.011	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:35	KAL
Aroclor-1221 [1]	ND	0.096	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:35	KAL
Aroclor-1232 [1]	ND	0.096	0.0086	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:35	KAL
Aroclor-1242 [1]	ND	0.096	0.0096	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:35	KAL
Aroclor-1248 [1]	ND	0.096	0.011	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:35	KAL
Aroclor-1254 [1]	ND	0.096	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:35	KAL
Aroclor-1260 [2]	0.046	0.096	0.013	mg/Kg	1	J	SW-846 8082A	6/20/17	6/22/17 16:35	KAL
Aroclor-1262 [1]	ND	0.096	0.0096	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:35	KAL
Aroclor-1268 [1]	ND	0.096	0.0077	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:35	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.5	30-150		6/22/17 16:35
Decachlorobiphenyl [2]	92.5	30-150		6/22/17 16:35
Tetrachloro-m-xylene [1]	75.8	30-150		6/22/17 16:35
Tetrachloro-m-xylene [2]	77.7	30-150		6/22/17 16:35

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Project Location: Durham, NC
Sample Description:
Work Order: 17F0783

Date Received: 6/14/2017

Field Sample #: BM-7
Sampled: 6/13/2017 00:00

Sample ID: 17F0783-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:53	KAL
Aroclor-1221 [1]	ND	0.097	0.013	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:53	KAL
Aroclor-1232 [1]	ND	0.097	0.0087	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:53	KAL
Aroclor-1242 [1]	ND	0.097	0.0097	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:53	KAL
Aroclor-1248 [1]	ND	0.097	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:53	KAL
Aroclor-1254 [1]	ND	0.097	0.013	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:53	KAL
Aroclor-1260 [2]	0.20	0.097	0.014	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:53	KAL
Aroclor-1262 [1]	ND	0.097	0.0097	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:53	KAL
Aroclor-1268 [1]	ND	0.097	0.0078	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 16:53	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.8	30-150		6/22/17 16:53
Decachlorobiphenyl [2]	92.6	30-150		6/22/17 16:53
Tetrachloro-m-xylene [1]	75.0	30-150		6/22/17 16:53
Tetrachloro-m-xylene [2]	76.6	30-150		6/22/17 16:53

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Project Location: Durham, NC
Sample Description:
Work Order: 17F0783
Date Received: 6/14/2017
Field Sample #: BM-8
Sampled: 6/13/2017 00:00
Sample ID: 17F0783-08
Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:10	KAL
Aroclor-1221 [1]	ND	0.099	0.013	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:10	KAL
Aroclor-1232 [1]	ND	0.099	0.0089	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:10	KAL
Aroclor-1242 [1]	ND	0.099	0.0099	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:10	KAL
Aroclor-1248 [1]	ND	0.099	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:10	KAL
Aroclor-1254 [1]	ND	0.099	0.013	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:10	KAL
Aroclor-1260 [2]	0.097	0.099	0.014	mg/Kg	1	J	SW-846 8082A	6/20/17	6/22/17 17:10	KAL
Aroclor-1262 [1]	ND	0.099	0.0099	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:10	KAL
Aroclor-1268 [1]	ND	0.099	0.0079	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:10	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.0	30-150		6/22/17 17:10
Decachlorobiphenyl [2]	93.9	30-150		6/22/17 17:10
Tetrachloro-m-xylene [1]	74.3	30-150		6/22/17 17:10
Tetrachloro-m-xylene [2]	75.2	30-150		6/22/17 17:10

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Project Location: Durham, NC
Sample Description:
Work Order: 17F0783
Date Received: 6/14/2017
Field Sample #: BM-9
Sampled: 6/13/2017 00:00
Sample ID: 17F0783-09
Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	0.011	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:27	KAL
Aroclor-1221 [1]	ND	0.095	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:27	KAL
Aroclor-1232 [1]	ND	0.095	0.0086	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:27	KAL
Aroclor-1242 [1]	ND	0.095	0.0095	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:27	KAL
Aroclor-1248 [1]	ND	0.095	0.011	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:27	KAL
Aroclor-1254 [1]	ND	0.095	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:27	KAL
Aroclor-1260 [2]	0.031	0.095	0.013	mg/Kg	1	J	SW-846 8082A	6/20/17	6/22/17 17:27	KAL
Aroclor-1262 [1]	ND	0.095	0.0095	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:27	KAL
Aroclor-1268 [1]	ND	0.095	0.0076	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:27	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.0	30-150		6/22/17 17:27
Decachlorobiphenyl [2]	89.8	30-150		6/22/17 17:27
Tetrachloro-m-xylene [1]	70.7	30-150		6/22/17 17:27
Tetrachloro-m-xylene [2]	72.0	30-150		6/22/17 17:27

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Project Location: Durham, NC
Sample Description:
Work Order: 17F0783

Date Received: 6/14/2017

Field Sample #: BM-10
Sampled: 6/13/2017 00:00

Sample ID: 17F0783-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.073	0.0088	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:45	KAL
Aroclor-1221 [1]	ND	0.073	0.0095	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:45	KAL
Aroclor-1232 [1]	ND	0.073	0.0066	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:45	KAL
Aroclor-1242 [1]	ND	0.073	0.0073	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:45	KAL
Aroclor-1248 [1]	ND	0.073	0.0088	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:45	KAL
Aroclor-1254 [1]	ND	0.073	0.0095	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:45	KAL
Aroclor-1260 [1]	ND	0.073	0.010	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:45	KAL
Aroclor-1262 [1]	ND	0.073	0.0073	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:45	KAL
Aroclor-1268 [1]	ND	0.073	0.0059	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 17:45	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.6	30-150		6/22/17 17:45
Decachlorobiphenyl [2]	92.0	30-150		6/22/17 17:45
Tetrachloro-m-xylene [1]	71.1	30-150		6/22/17 17:45
Tetrachloro-m-xylene [2]	73.3	30-150		6/22/17 17:45

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Project Location: Durham, NC
Sample Description:
Work Order: 17F0783

Date Received: 6/14/2017

Field Sample #: BM-11
Sampled: 6/13/2017 00:00

Sample ID: 17F0783-11

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	0.011	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:02	KAL
Aroclor-1221 [1]	ND	0.089	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:02	KAL
Aroclor-1232 [1]	ND	0.089	0.0080	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:02	KAL
Aroclor-1242 [1]	ND	0.089	0.0089	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:02	KAL
Aroclor-1248 [1]	ND	0.089	0.011	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:02	KAL
Aroclor-1254 [1]	ND	0.089	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:02	KAL
Aroclor-1260 [2]	0.094	0.089	0.012	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:02	KAL
Aroclor-1262 [1]	ND	0.089	0.0089	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:02	KAL
Aroclor-1268 [1]	ND	0.089	0.0071	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:02	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.4	30-150		6/22/17 18:02
Decachlorobiphenyl [2]	105	30-150		6/22/17 18:02
Tetrachloro-m-xylene [1]	80.0	30-150		6/22/17 18:02
Tetrachloro-m-xylene [2]	81.1	30-150		6/22/17 18:02

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Project Location: Durham, NC
Sample Description:
Work Order: 17F0783

Date Received: 6/14/2017

Field Sample #: BM-12
Sampled: 6/13/2017 00:00

Sample ID: 17F0783-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	0.0097	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:19	KAL
Aroclor-1221 [1]	ND	0.081	0.011	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:19	KAL
Aroclor-1232 [1]	ND	0.081	0.0073	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:19	KAL
Aroclor-1242 [1]	ND	0.081	0.0081	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:19	KAL
Aroclor-1248 [1]	ND	0.081	0.0097	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:19	KAL
Aroclor-1254 [1]	ND	0.081	0.011	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:19	KAL
Aroclor-1260 [2]	0.036	0.081	0.011	mg/Kg	1	J	SW-846 8082A	6/20/17	6/22/17 18:19	KAL
Aroclor-1262 [1]	ND	0.081	0.0081	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:19	KAL
Aroclor-1268 [1]	ND	0.081	0.0065	mg/Kg	1		SW-846 8082A	6/20/17	6/22/17 18:19	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		6/22/17 18:19
Decachlorobiphenyl [2]	113	30-150		6/22/17 18:19
Tetrachloro-m-xylene [1]	82.7	30-150		6/22/17 18:19
Tetrachloro-m-xylene [2]	84.1	30-150		6/22/17 18:19

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Project Location: Durham, NC
Sample Description:
Work Order: 17F0783
Date Received: 6/14/2017
Field Sample #: SS-13
Sampled: 6/13/2017 00:00
Sample ID: 17F0783-13
Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.59	0.36	mg/Kg dry	25		SW-846 8082A	6/21/17	6/23/17 9:09	KAL
Aroclor-1221 [1]	ND	0.59	0.38	mg/Kg dry	25		SW-846 8082A	6/21/17	6/23/17 9:09	KAL
Aroclor-1232 [1]	ND	0.59	0.27	mg/Kg dry	25		SW-846 8082A	6/21/17	6/23/17 9:09	KAL
Aroclor-1242 [1]	ND	0.59	0.30	mg/Kg dry	25		SW-846 8082A	6/21/17	6/23/17 9:09	KAL
Aroclor-1248 [1]	ND	0.59	0.36	mg/Kg dry	25		SW-846 8082A	6/21/17	6/23/17 9:09	KAL
Aroclor-1254 [1]	ND	0.59	0.38	mg/Kg dry	25		SW-846 8082A	6/21/17	6/23/17 9:09	KAL
Aroclor-1260 [2]	4.0	0.59	0.41	mg/Kg dry	25		SW-846 8082A	6/21/17	6/23/17 9:09	KAL
Aroclor-1262 [1]	ND	0.59	0.30	mg/Kg dry	25		SW-846 8082A	6/21/17	6/23/17 9:09	KAL
Aroclor-1268 [1]	ND	0.59	0.24	mg/Kg dry	25		SW-846 8082A	6/21/17	6/23/17 9:09	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		6/23/17 9:09
Decachlorobiphenyl [2]	111	30-150		6/23/17 9:09
Tetrachloro-m-xylene [1]	80.6	30-150		6/23/17 9:09
Tetrachloro-m-xylene [2]	84.2	30-150		6/23/17 9:09

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17F0783

Date Received: 6/14/2017

Field Sample #: SS-13
Sampled: 6/13/2017 00:00

Sample ID: 17F0783-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.5		% Wt	1		SM 2540G	6/22/17	6/23/17 7:40	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17F0783

Date Received: 6/14/2017

Field Sample #: SS-14
Sampled: 6/13/2017 00:00

Sample ID: 17F0783-14

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	0.071	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 0:48	KAL
Aroclor-1221 [1]	ND	0.12	0.077	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 0:48	KAL
Aroclor-1232 [1]	ND	0.12	0.053	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 0:48	KAL
Aroclor-1242 [1]	ND	0.12	0.059	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 0:48	KAL
Aroclor-1248 [1]	ND	0.12	0.071	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 0:48	KAL
Aroclor-1254 [1]	ND	0.12	0.077	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 0:48	KAL
Aroclor-1260 [2]	0.38	0.12	0.083	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 0:48	KAL
Aroclor-1262 [1]	ND	0.12	0.059	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 0:48	KAL
Aroclor-1268 [1]	ND	0.12	0.048	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 0:48	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		6/23/17 0:48
Decachlorobiphenyl [2]	111	30-150		6/23/17 0:48
Tetrachloro-m-xylene [1]	84.0	30-150		6/23/17 0:48
Tetrachloro-m-xylene [2]	85.5	30-150		6/23/17 0:48

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Project Location: Durham, NC
Sample Description:
Work Order: 17F0783
Date Received: 6/14/2017
Field Sample #: SS-14
Sampled: 6/13/2017 00:00
Sample ID: 17F0783-14
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.2		% Wt	1		SM 2540G	6/22/17	6/23/17 7:40	MRL

con-test® ANALYTICAL LABORATORY
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Project Location: Durham, NC
Sample Description:
Work Order: 17F0783
Date Received: 6/14/2017
Field Sample #: SS-15
Sampled: 6/13/2017 00:00
Sample ID: 17F0783-15
Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	DL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	0.071	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 1:05	KAL
Aroclor-1221 [1]	ND	0.12	0.077	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 1:05	KAL
Aroclor-1232 [1]	ND	0.12	0.053	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 1:05	KAL
Aroclor-1242 [1]	ND	0.12	0.059	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 1:05	KAL
Aroclor-1248 [1]	ND	0.12	0.071	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 1:05	KAL
Aroclor-1254 [1]	ND	0.12	0.077	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 1:05	KAL
Aroclor-1260 [1]	ND	0.12	0.083	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 1:05	KAL
Aroclor-1262 [1]	ND	0.12	0.059	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 1:05	KAL
Aroclor-1268 [1]	ND	0.12	0.047	mg/Kg dry	5		SW-846 8082A	6/21/17	6/23/17 1:05	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		6/23/17 1:05
Decachlorobiphenyl [2]	110	30-150		6/23/17 1:05
Tetrachloro-m-xylene [1]	84.5	30-150		6/23/17 1:05
Tetrachloro-m-xylene [2]	85.8	30-150		6/23/17 1:05

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Durham, NC
Sample Description:
Work Order: 17F0783

Date Received: 6/14/2017

Field Sample #: SS-15
Sampled: 6/13/2017 00:00

Sample ID: 17F0783-15

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.6		% Wt	1		SM 2540G	6/22/17	6/23/17 7:40	MRL

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
17F0783-13 [SS-13]	B179898	06/22/17
17F0783-14 [SS-14]	B179898	06/22/17
17F0783-15 [SS-15]	B179898	06/22/17

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17F0783-01 [AS-1]	B179642	2.09	10.0	06/20/17
17F0783-02 [BM-2]	B179642	2.18	10.0	06/20/17
17F0783-03 [BM-3]	B179642	2.07	10.0	06/20/17
17F0783-04 [BM-4]	B179642	2.13	10.0	06/20/17
17F0783-05 [BM-5]	B179642	2.41	10.0	06/20/17
17F0783-06 [BM-6]	B179642	2.09	10.0	06/20/17
17F0783-07 [BM-7]	B179642	2.06	10.0	06/20/17
17F0783-08 [BM-8]	B179642	2.03	10.0	06/20/17
17F0783-09 [BM-9]	B179642	2.10	10.0	06/20/17
17F0783-10 [BM-10]	B179642	2.73	10.0	06/20/17
17F0783-11 [BM-11]	B179642	2.25	10.0	06/20/17
17F0783-12 [BM-12]	B179642	2.47	10.0	06/20/17

Prep Method: SW-846 3546-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
17F0783-13 [SS-13]	B179741	10.0	10.0	06/21/17
17F0783-14 [SS-14]	B179741	10.0	10.0	06/21/17
17F0783-15 [SS-15]	B179741	10.0	10.0	06/21/17

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179642 - SW-846 3546										
Blank (B179642-BLK1)				Prepared: 06/20/17 Analyzed: 06/22/17						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.929*		mg/Kg	1.00		92.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.02*		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	*0.831*		mg/Kg	1.00		83.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.828*		mg/Kg	1.00		82.8	30-150			
LCS (B179642-BS1)				Prepared: 06/20/17 Analyzed: 06/22/17						
Aroclor-1016	0.87	0.10	mg/Kg	1.00		87.0	40-140			
Aroclor-1016 [2C]	0.86	0.10	mg/Kg	1.00		85.8	40-140			
Aroclor-1260	0.84	0.10	mg/Kg	1.00		83.6	40-140			
Aroclor-1260 [2C]	0.84	0.10	mg/Kg	1.00		84.4	40-140			
Surrogate: Decachlorobiphenyl	*0.909*		mg/Kg	1.00		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.993*		mg/Kg	1.00		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.818*		mg/Kg	1.00		81.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.812*		mg/Kg	1.00		81.2	30-150			
LCS Dup (B179642-BSD1)				Prepared: 06/20/17 Analyzed: 06/22/17						
Aroclor-1016	0.80	0.10	mg/Kg	1.00		79.9	40-140	8.54	30	
Aroclor-1016 [2C]	0.79	0.10	mg/Kg	1.00		79.5	40-140	7.65	30	
Aroclor-1260	0.78	0.10	mg/Kg	1.00		78.0	40-140	6.93	30	
Aroclor-1260 [2C]	0.79	0.10	mg/Kg	1.00		79.1	40-140	6.57	30	
Surrogate: Decachlorobiphenyl	*0.838*		mg/Kg	1.00		83.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.917*		mg/Kg	1.00		91.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.740*		mg/Kg	1.00		74.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.741*		mg/Kg	1.00		74.1	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179741 - SW-846 3546										
Blank (B179741-BLK1)				Prepared: 06/21/17 Analyzed: 06/22/17						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.204*		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.216*		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene	*0.155*		mg/Kg wet	0.200		77.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.157*		mg/Kg wet	0.200		78.6	30-150			
LCS (B179741-BS1)				Prepared: 06/21/17 Analyzed: 06/22/17						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		87.8	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		90.2	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		87.7	40-140			
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		87.4	40-140			
Surrogate: Decachlorobiphenyl	*0.205*		mg/Kg wet	0.200		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.218*		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	*0.169*		mg/Kg wet	0.200		84.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.167*		mg/Kg wet	0.200		83.7	30-150			
LCS Dup (B179741-BSD1)				Prepared: 06/21/17 Analyzed: 06/22/17						
Aroclor-1016	0.17	0.020	mg/Kg wet	0.200		82.9	40-140	5.69	30	
Aroclor-1016 [2C]	0.17	0.020	mg/Kg wet	0.200		85.3	40-140	5.53	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		83.8	40-140	4.56	30	
Aroclor-1260 [2C]	0.17	0.020	mg/Kg wet	0.200		83.6	40-140	4.44	30	
Surrogate: Decachlorobiphenyl	*0.194*		mg/Kg wet	0.200		97.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.206*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.158*		mg/Kg wet	0.200		78.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.157*		mg/Kg wet	0.200		78.7	30-150			

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QUALITY CONTROL

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B179898 - % Solids										
Duplicate (B179898-DUP1)		**Source: 17F0783-15**		Prepared: 06/22/17 Analyzed: 06/23/17						
% Solids	89.7		% Wt		84.6			5.85	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

AS-1

Lab Sample ID: 17F0783-01

Date(s) Analyzed: 06/22/2017 06/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	5.0	
	2	0.000	0.000	0.000	7.2	34.1
Aroclor-1260	1	0.000	0.000	0.000	12	
	2	0.000	0.000	0.000	12	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

BM-2

Lab Sample ID: 17F0783-02

Date(s) Analyzed: 06/22/2017 06/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.039	
	2	0.000	0.000	0.000	0.055	34.0

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

BM-3

Lab Sample ID: 17F0783-03

Date(s) Analyzed: 06/22/2017 06/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.19	11.1

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

BM-4

Lab Sample ID: 17F0783-04

Date(s) Analyzed: 06/22/2017 06/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.090	
	2	0.000	0.000	0.000	0.11	20.0

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

BM-5

Lab Sample ID: 17F0783-05

Date(s) Analyzed: 06/22/2017 06/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.13	
	2	0.000	0.000	0.000	0.16	20.7

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

BM-6

Lab Sample ID: 17F0783-06

Date(s) Analyzed: 06/22/2017 06/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.036	
	2	0.000	0.000	0.000	0.046	24.4

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

BM-7

Lab Sample ID: 17F0783-07

Date(s) Analyzed: 06/22/2017 06/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.18	
	2	0.000	0.000	0.000	0.20	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

BM-8

Lab Sample ID: 17F0783-08

Date(s) Analyzed: 06/22/2017 06/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.078	
	2	0.000	0.000	0.000	0.097	21.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

BM-9

Lab Sample ID: 17F0783-09

Date(s) Analyzed: 06/22/2017 06/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.025	
	2	0.000	0.000	0.000	0.031	21.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

BM-11

Lab Sample ID: 17F0783-11

Date(s) Analyzed: 06/22/2017 06/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.083	
	2	0.000	0.000	0.000	0.094	12.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

BM-12

Lab Sample ID: 17F0783-12

Date(s) Analyzed: 06/22/2017 06/22/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.028	
	2	0.000	0.000	0.000	0.036	25.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

SS-13

Lab Sample ID: 17F0783-13 Date(s) Analyzed: 06/23/2017 06/23/2017

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	3.6	
	2	0.000	0.000	0.000	4.0	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

SS-14

Lab Sample ID: 17F0783-14

Date(s) Analyzed: 06/23/2017 06/23/2017

Instrument ID (1):

Instrument ID (2):

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1260	1	0.000	0.000	0.000	0.35	
	2	0.000	0.000	0.000	0.38	8.2

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA

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The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	02/1/2018
MA	Massachusetts DEP	M-MA100	06/30/2018
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2017
NY	New York State Department of Health	10899 NELAP	04/1/2018
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2018
RI	Rhode Island Department of Health	LAO00112	12/30/2017
NC	North Carolina Div. of Water Quality	652	12/31/2017
NJ	New Jersey DEP	MA007 NELAP	06/30/2018
FL	Florida Department of Health	E871027 NELAP	06/30/2018
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2017
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2017
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2017
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2018

17F0783

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD (North Carolina)

39 Spruce Street
East Longmeadow, MA 01028

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush-Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [ ]
Other:
CLP Like Data Pkg Required: [ ]
Email To: cshaw@fandr.com
Fax To #:

Company Name: Froehling & Robertson, Inc.
Address: 310 Hubert Street, Raleigh, NC 27603
Phone: 919-719-1971
Project Name: DDFC
Project Location: Durham, NC
Project Number: 66V-0025
Project Manager: C.Shaw
Con-Test Quote Name/Number: 66V0025-00002
Invoice Recipient: AP@FandR.com
Sampled By: P. Hughes

ANALYSIS REQUESTED

SW-846 8082A

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1] Matrix Code	Conc Code	SW-846 8082A	# of Containers	[2] Preservation Code	[3] Container Code
01	AS-1	6/13/17		X		SOL		X			
02	BM-2										
03	BM-3										
04	BM-4										
05	BM-5										
06	BM-6										
07	BM-7										
08	BM-8										
09	BM-9										
10	BM-10										

Dissolved Metals Samples
[ ] Field Filtered
[ ] Lab to Filter

Orthophosphate Samples
[ ] Field Filtered
[ ] Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 6/13/17 17:00
Received by: (signature)	Date/Time: 6/14/17 1258
Relinquished by: (signature)	Date/Time: 6/14/17 1800
Received by: (signature) BM 2.9°C	Date/Time: 06/15/17 9:15
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

North Carolina Detection Limit Requirements
[ ] 2L
[ ] GWPC
[ ] SWSL
[ ] IHSB
[ ] MSCC
Other:

Program Information
[ ] DSCA
[ ] UST/Trust Fund
[ ] SWS Landfill
[ ] REC
[ ] IHSB Orphaned Landfill
[ ] State Lead
[ ] Other:

Project Entity
[ ] Government [ ] Municipality
[ ] Federal [ ] Brownfield
[ ] City [ ] School

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

PCB ONLY
[ ] Soxhlet
[X] Non Soxhlet

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17F0783

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http://www.contestlabs.com

Doc # 379 Rev 1_03242017

CHAIN OF CUSTODY RECORD (North Carolina)

39 Spruce Street
East Longmeadow, MA 01028

Company Name: Froehling & Robertson, Inc.
Address: 310 Hubert Street, Raleigh, NC 27603
Phone: 919-719-1971
Project Name: DDFC
Project Location: Durham, NC
Project Number: 66V-0025
Project Manager: C.Shaw
Con-Test Quote Name/Number: 66V0025-00002
Invoice Recipient: AP@FandR.com
Sampled By: P. Hughes

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush-Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [ ]
Other:
CLP Like Data Pkg Required: [ ]
Email To: cshaw@fandr.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	SW-846 8082A
11	BM-11	6/13/17				SOL		X
12	BM-12					SOL		
13	SS-13					S		
14	SS-14					S		
15	SS-15					S		

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
[signature]	6/13/17 17:00
Received by: (signature) [signature]	Date/Time: 6/14/17 1255
Relinquished by: (signature) [signature]	Date/Time: 6/14/17 1800
Received by: (signature) BA 2.90C 06	Date/Time: 6/15/17 9:14
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

North Carolina Detection Limit Requirements
[ ] 2L
[ ] GWPC
[ ] SWSL
[ ] IHSB
[ ] MSCC
Other:

Program Information
[ ] DSCA [ ] UST/Trust Fund
[ ] SWS Landfill [ ] REC
[ ] IHSB Orphaned Landfill
[ ] State Lead
[ ] Other:

Project Entity
[ ] Government [ ] Municipality
[ ] Federal [ ] Brownfield
[ ] City [ ] School

Other
[ ] Chromatogram
[ ] AIHA-LAP,LLC

PCB ONLY
[ ] Soxhlet
[X] Non Soxhlet

# of Containers																							
[2] Preservation Code																							
[3] Container Code																							

Dissolved Metals Samples
[ ] Field Filtered
[ ] Lab to Filter

Orthophosphate Samples
[ ] Field Filtered
[ ] Lab to Filter

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T = Tedlar Bag
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779405092187

Ship date:
Wed 6/14/2017
Raleigh, NC US

Delivered
Signed for by: B.BONITA

Actual delivery:
Thu 6/15/2017 9:14 am
EAST LONGMEADOW, MA US

Travel History

Date/Time	Activity	Location
6/15/2017 - Thursday		
9:14 am	Delivered	EAST LONGMEADOW, MA
8:15 am	On FedEx vehicle for delivery	WINDSOR LOCKS, CT
8:04 am	At local FedEx facility	WINDSOR LOCKS, CT
7:04 am	At destination sort facility	EAST GRANBY, CT
5:25 am	Departed FedEx location	INDIANAPOLIS, IN
6/14/2017 - Wednesday		
11:55 pm	Arrived at FedEx location	INDIANAPOLIS, IN
8:45 pm	Left FedEx origin facility	DURHAM, NC
6:05 pm	Picked up	RALEIGH, NC
4:41 pm	Shipment information sent to FedEx	

Shipment Facts

Tracking number	779405092187	**Service**	FedEx Priority Overnight
Weight	29.1 lbs / 13.2 kgs	**Dimensions**	17x12x16 in.
Delivered To	Shipping/Receiving	**Total pieces**	1
Total shipment weight	29.1 lbs / 13.2 kgs	**Terms**	Third Party
Shipper reference	80	**Packaging**	Your Packaging
Special handling section	Deliver Weekday, Additional Handling Surcharge	**Standard transit**	6/15/2017 by 10:30 am

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Froehling & Robertson, Inc

Received By BB Date 06/15/17 Time 9:14

How were the samples received? In Cooler true No Cooler ____ On Ice true No Ice ____

Direct From Sample ____ Ambient ____ Melted Ice ____

Were samples within Temperature? 2-6°C true By Gun # 2 Actual Temp - 2.9°C By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? NA Were Samples Tampered with? False

Was COC Relinquished ? true Does Chain Agree With Samples? true

Are there broken/leaking/loose caps on any samples? False

Is COC in ink/ Legible? true Were samples received within holding time? true

Did COC include all pertinent Information? Client? true Analysis? true Sampler Name? true Project? true ID's? true Collection Dates/Times? true (No time)

Are Sample labels filled out and legible? true

Are there Lab to Filters? False Who was notified? NA

Are there Rushes? False Who was notified? NA

Are there Short Holds? False Who was notified? NA

Is there enough Volume? true

Is there Headspace where applicable? False MS/MSD? False

Proper Media/Containers Used? true splitting samples required? False

Were TB's received? False On COC? False

Do All Samples Have the proper pH? NA Acid NA Base NA

Vials	#	Containers:	#		#	#	
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag	15	Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#	#	
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Appendix F

Photographic Documentation

Section 1
Asbestos-Containing Materials

Photograph #0001 General view of Gym.

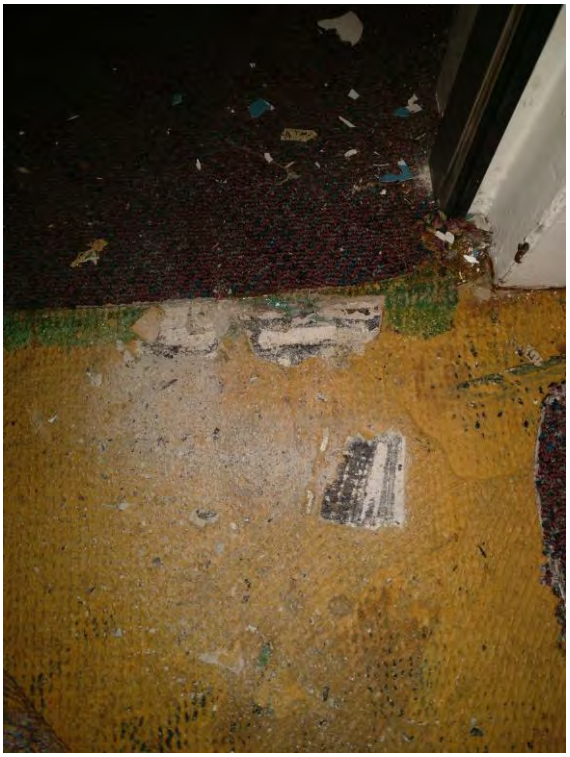
Photograph #0002 View of Gym Fiberboard Ceiling with asbestos-containing texture.

Photograph #0003 Gym Fiberboard Ceiling asbestos-containing Texture,

Photograph #0004 Typical view of windows with asbestos-containing masonry opening caulk.

Photograph #0005 Typical view of asbestos-containing black mastic beneath carpet.

Photograph #0006 View of crawlspace asbestos-containing pipe insulation.

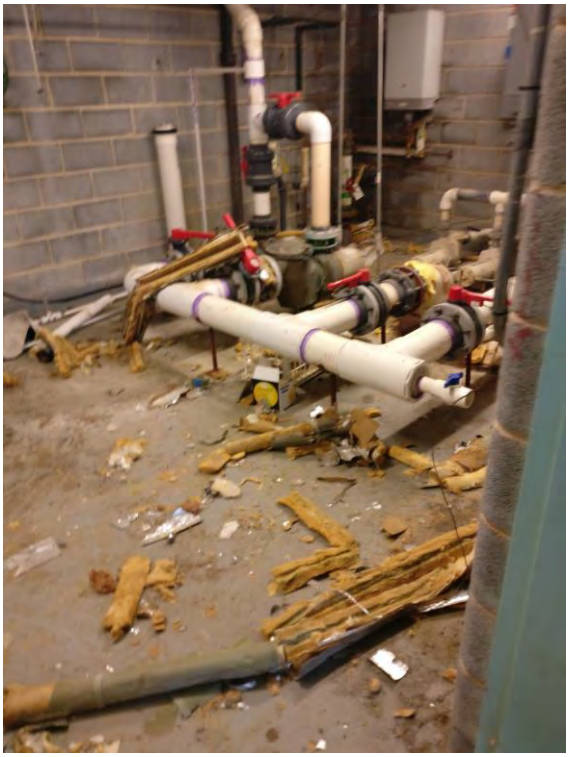


Photograph #0007 Typical view of asbestos-containing leveling compound beneath carpet.

Photograph #0008 View of 'cobblestone' flooring beneath faux wood flooring in Suite 120.

Photograph #0009 View of 'cobblestone' flooring in the Kitchen.

Photograph #0010 View of the Pool with window masonry opening caulk on the north windows and asbestos cement board ceiling.



Photograph #0011 Asbestos pipe insulation debris in Pool ME room.

Photograph #0012 Asbestos pipe insulation debris in Pool ME room.

Photograph #0013 White pipe ends in the Boiler Room.

Photograph #0014 Typical view of removed covebase with asbestos-containing mastic.

Appendix F

Photographic Documentation

Section 2
Lead-Based Paint

Photograph #0001 Metal ladder form the Main Roof to the Pool Roof

---

Photograph #0002 Door Components – Into the Dining Room.

Photograph #0003 Metal Grate – North Side into the Boiler Room.

Photograph #0004 Gym Door Components – East Side.

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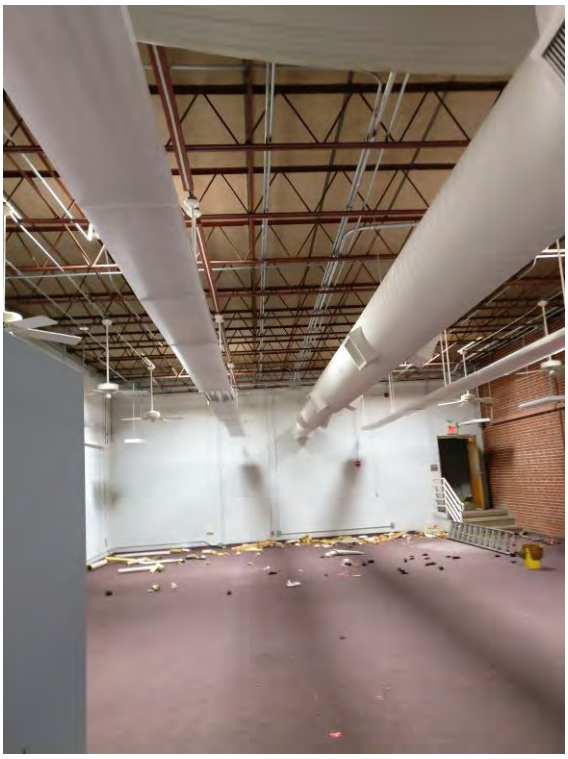
ENGINEERING • ENVIRONMENTAL • GEOTECHNICAL
310 Hubert Street
Raleigh, North Carolina 27603-2302 I USA
T 919.828.3441 I F 919.828.5751

Client:	Wildlands Engineering
Project:	Former Duke Diet and Fitness Center
Location:	Durham, North Carolina
F&R Project No.:	66V-0025 - LBP
Date Taken:	May / June 2017

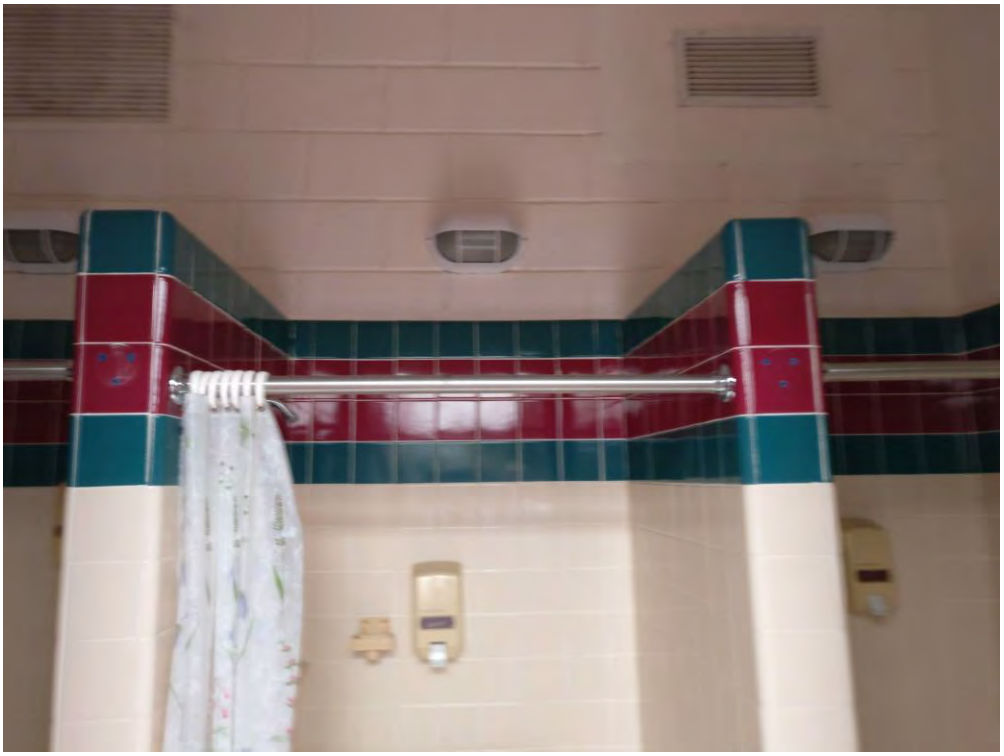
Photograph #0005 Plaster Soffit – Main Entrance Overhang.

Photograph #0006 Gym – Steel Webbing & Roof Grid Components.

Photograph #0007 Steel Webbing & Roof Grid Components and Ceramic Wall Tile in the Pool.



Photograph #0008 Recreation Room – Steel Webbing & Roof Grid Components.



Photograph #0009 Typical view of Ceramic Wall Tile in Locker Rooms.

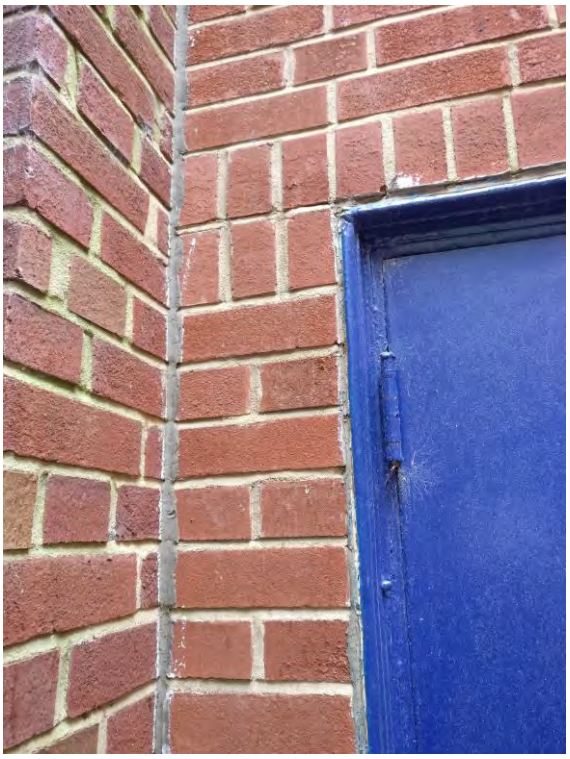
Photograph #0010 Typical view of Bathroom Fixtures in Locker Rooms.

Appendix F

Photographic Documentation

Section 3
Polychlorinated Biphenyls

Photograph #0001 View of North Cutout / Alley. PCB caulking around hallway door and building joint between the hallway and the boiler room (left).



Photograph #0002 Close up view of building joint (left) and hallway door (right) with PCB caulking.

Photograph #0003 View of North-West façade.

Photograph #0004 View of North-West Expansion Joint

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ENGINEERING • ENVIRONMENTAL • GEOTECHNICAL
310 Hubert Street
Raleigh, North Carolina 27603-2302 I USA
T 919.828.3441 I F 919.828.5751

Client:	Wildlands Engineering
Project:	Former Duke Diet and Fitness Center
Location:	Durham, North Carolina
F&R Project No.:	66V-0025 - PCBs
Date Taken:	May / June 2017

Photograph #0005 Close up view of North-West expansion joint with PCB caulk.

Appendix G

Explanation of XRF Data Table
XRF Data Table
XRF Performance Characteristic Sheet

EXPLANATION OF XRF DATA TABLES

Column	Description
Reading No	Sample numbers.
Date & Time	Date and Time of the reading.
Concentration	XRF reading of lead level (in milligrams per square centimeter (mg/cm^2).
Units	Unit of measure that the XRF uses to report readings: mg/cm^2.
Result	Result of the reading: NEG = negative POS = positive
Site	Location of the Project.
Floor	Building Floor the reading was collected on.
Room	Identified Room on the corresponding Floor.
Side	Side within the corresponding Room where the specific reading was collected.
Substrate	The type of material underlying the paint or coating.
Component	Structural or design element the reading was collected from.
Color	Color of the coated surface.

XRF DATA TABLE

Reading #	DateTime	Concentration	Units	Result	Site	Floor	Room	Side	Substrate	Component	Color
311	5/4/2017 13:56	1	mg/cm2	Positive	DDFC	Calibration	-	-	-	-	-
313	5/4/2017 13:57	1.1	mg/cm2	Positive	DDFC	Calibration	-	-	-	-	-
319	5/4/2017 14:01	1.4	mg/cm2	Positive	DDFC	Roof	Roof	W	Metal	Ladder to Pool Roof	Red
331	5/4/2017 14:07	1	mg/cm2	Positive	DDFC	Roof	Roof	W	Metal	Ladder to Pool Roof	Red
339	5/4/2017 14:30	1.2	mg/cm2	Positive	DDFC	Exterior	Exterior	E	Metal	Door to Dining Room	Blue
350	5/4/2017 14:37	2.5	mg/cm2	Positive	DDFC	Exterior	Exterior	N	Metal	Grate above Door	Blue
359	5/4/2017 14:43	4.1	mg/cm2	Positive	DDFC	Exterior	Exterior	E	Metal	Gym Doors	Blue
360	5/4/2017 14:43	2.1	mg/cm2	Positive	DDFC	Exterior	Exterior	E	Metal	Gym Doors	Blue
362	5/4/2017 14:44	1.2	mg/cm2	Positive	DDFC	Exterior	Exterior	E	Metal	East Entrance Door	Blue
364	5/4/2017 14:47	2.2	mg/cm2	Positive	DDFC	Exterior	Exterior	S	Plaster	Soffit	Tan/White
365	5/4/2017 14:49	2.4	mg/cm2	Positive	DDFC	Exterior	Exterior	S	Plaster	Soffit	Tan/White
366	5/4/2017 14:50	1.8	mg/cm2	Positive	DDFC	Exterior	Exterior	S	Plaster	Soffit	Tan/White
367	5/5/2017 9:24	1	mg/cm2	Positive	DDFC	Calibration	-	-	-	-	-
368	5/5/2017 9:24	1	mg/cm2	Positive	DDFC	Calibration	-	-	-	-	-
369	5/5/2017 9:25	1	mg/cm2	Positive	DDFC	Calibration	-	-	-	-	-
370	5/5/2017 11:08	1	mg/cm2	Positive	DDFC	Calibration	-	-	-	-	-
397	5/5/2017 12:09	15.6	mg/cm2	Positive	DDFC	1	107T	N	Cermaic Tile	Wall	White
403	5/5/2017 12:23	1	mg/cm2	Positive	DDFC	Calibration	-	-	-	-	-
404	5/5/2017 12:23	1	mg/cm2	Positive	DDFC	Calibration	-	-	-	-	-
407	5/5/2017 12:26	17.5	mg/cm2	Positive	DDFC	1	Janitor Cloest	-	Ceramic Tile	Wall	White
415	5/5/2017 12:32	14.9	mg/cm2	Positive	DDFC	1	Bathroom 1	W	Ceramtic Tile	Wall	White
450	5/5/2017 13:02	1	mg/cm2	Positive	DDFC	1	Rec. Room	S	Steel	Webbing	Red
469	5/5/2017 13:28	14.4	mg/cm2	Positive	DDFC	1	Suite 120	W	Cermaic Tile	Shower Entry	Blue
470	5/5/2017 13:29	15.3	mg/cm2	Positive	DDFC	1	Suite 120	W	Ceramic Tile	Shower	White
478	5/5/2017 13:35	1.4	mg/cm2	Positive	DDFC	1	Men's Locker Room	S	Metal	Entry Door Frame	White
479	5/5/2017 13:36	1	mg/cm2	Positive	DDFC	1	Men's Locker Room	S	Metal	Entry Door Frame	Tan
483	5/5/2017 13:38	14.3	mg/cm2	Positive	DDFC	1	Men's Locker Room	N	Ceramic Tile	Shower Entry	White
487	5/5/2017 13:40	1.4	mg/cm2	Positive	DDFC	1	Men's Locker Room	N	Ceramic Tile	Shower	White
491	5/5/2017 13:44	15.4	mg/cm2	Positive	DDFC	1	Men's Locker Room - Bathroom	N	Ceramtic Tile	Wall	White
494	5/5/2017 13:45	8.7	mg/cm2	Positive	DDFC	1	Men's Locker Room - Bathroom	-	Porcelain	Sink	White
495	5/5/2017 13:46	8.3	mg/cm2	Positive	DDFC	1	Men's Locker Room - Bathroom	-	Porcelain	Toilet	White
496	5/5/2017 13:46	7.4	mg/cm2	Positive	DDFC	1	Men's Locker Room - Bathroom	-	Porcelain	Urinal	White
522	5/5/2017 14:04	15.6	mg/cm2	Positive	DDFC	1	Suite 116	-	Ceramic Tile	Wall	White
537	5/5/2017 14:17	1.2	mg/cm2	Positive	DDFC	1	Women's Locker Room	-	Ceramic Tile	Wall	Red
538	5/5/2017 14:18	1.2	mg/cm2	Positive	DDFC	1	Women's Locker Room	-	Ceramic Tile	Wall	Green
593	5/5/2017 15:18	1	mg/cm2	Positive	DDFC	1	Dining Room	-	Metal	Door Frame	Dark Blue
610	5/5/2017 15:44	15	mg/cm2	Positive	DDFC	1	Pool	-	Cermaic Tile	Wall	Blue
629	5/5/2017 16:10	1	mg/cm2	Positive	DDFC	Calibration	-	-	-	-	-
630	5/5/2017 16:10	1	mg/cm2	Positive	DDFC	Calibration	-	-	-	-	-
631	5/5/2017 16:11	1	mg/cm2	Positive	DDFC	Calibration	-	-	-	-	-
632	5/5/2017 16:13	1.2	mg/cm2	Positive	DDFC	1	Pool	Ceiling	Steel	Webbing	White
635	5/5/2017 16:14	1.9	mg/cm2	Positive	DDFC	1	Pool	Ceiling	Steel	Webbing	White
639	5/5/2017 16:34	1	mg/cm2	Positive	DDFC	Calibration	-	-	-	-	-
641	5/5/2017 16:35	1	mg/cm2	Positive	DDFC	Calibration	-	-	-	-	-
642	5/5/2017 16:35	1	mg/cm2	Positive	DDFC	Calibration	-	-	-	-	-
1214	5/16/2017 11:31	1	mg/cm2	Positive	DDFC	Calibration					
1215	5/16/2017 11:31	1	mg/cm2	Positive	DDFC	Calibration					
1216	5/16/2017 11:31	1	mg/cm2	Positive	DDFC	Calibration					
1218	5/16/2017 11:45	1.1	mg/cm2	Positive	DDFC		Gym		Steel	Cross	Blue
1221	5/16/2017 11:48	1.7	mg/cm2	Positive	DDFC		Gym		Steel	Roof Grid	Blue
1241	5/16/2017 13:41	1	mg/cm2	Positive	DDFC	Calibration					
1243	5/16/2017 13:41	1	mg/cm2	Positive	DDFC	Calibration					

Performance Characteristic Sheet

EFFECTIVE DATE: **December 1, 2015**

MANUFACTURER AND MODEL:

Make: ***Heuresis***
Models: ***Model Pb200i***
Source: ***^{57}Co, 5 mCi (nominal – new source)***

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Action Level mode

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive)

SUBSTRATE CORRECTION:

Not applicable

INCONCLUSIVE RANGE OR THRESHOLD:

ACTION LEVEL MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm^2)
Results not corrected for substrate bias on any substrate	Brick Concrete Drywall Metal Plaster Wood	1.0 1.0 1.0 1.0 1.0 1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated using test results on building components in the HUD archive. Testing was conducted on 146 test samples in November 2015, with two separate instruments running software version 2.1-2 in Action Level test mode. The actual source strength of each instrument on the day of testing was approximately 2.0 mCi; source ages were approximately one year.

OPERATING PARAMETERS

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film).

If the average (rounded to 1 decimal place) of three readings is outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instrument into control before XRF testing proceeds.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm^2 for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm^2 at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

> Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm^2. Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.
>
> Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.
>
> <u>For each substrate type</u> (the 1.02 mg/cm^2 NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):
>
> Correction value = (1st + 2nd + 3rd + 4th + 5th + 6th *Reading*)/6 - 1.02 mg/cm^2
>
> Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below. Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and the retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF readings.

Compute the average of all ten re-test XRF readings.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

In the Action Level paint test mode, the instrument takes the longest time to complete readings close to the Federal standard of 1.0 mg/cm^2. The table below shows the mean and standard deviation of actual reading times by reading level for paint samples during the November 2015 archive testing. The tested instruments reported readings to one decimal place. No significant differences in reading times by substrate were observed. These times apply only to instruments with the same source strength as those tested (2.0 mCi). Instruments with stronger sources will have shorter reading times and those with weaker sources, longer reading times, than those in the table.

Mean and Standard Deviation of Reading Times in Action Level Mode by Reading Level

Reading (mg/cm^2)	Mean Reading Time (seconds)	Standard Deviation (seconds)
< 0.7	3.48	0.47
0.7	7.29	1.92
0.8	13.95	1.78
0.9 – 1.2	15.25	0.66
1.3 – 1.4	6.08	2.50
≥ 1.5	3.32	0.05

CLASSIFICATION OF RESULTS:

XRF results are classified as **positive** if they are **greater than or equal** to the stated threshold for the instrument (1.0 mg/cm^2), and *negative* if they are *less than* the threshold.

DOCUMENTATION:

A report titled *Methodology for XRF Performance Characteristic Sheets* (EPA 747-R-95-008) provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. The report may be downloaded at http://www2.epa.gov/lead/methodology-xrf-performance-characteristic-sheets-epa-747-r-95-008-september-1997.

This XRF Performance Characteristic Sheet (PCS) was developed by QuanTech, Inc., under a contract with the XRF manufacturer.

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