

DOCUMENT 00 91 13

ADDENDA

ADDENDUM NUMBER 1

DATE: October 24, 2012

PROJECT: Old North Durham Park Infrastructure Improvements

CONTRACT NUMBER: SD-2012-05

OWNER: The City of Durham

ENGINEER: Dana P. Hornkohl, P.E., CFM

TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the Bidding Documents dated September 4, 2012, with amendments and additions noted below.

Acknowledge receipt of this Addendum in the space provided in the Bid form. Failure to do so may disqualify the Bidder.

This Addendum consists of 6 pages and 3 attachments.

CHANGES TO THE PROJECT MANUAL

1. The Cover Sheet dated September 28, 2012 is replaced by a new Cover Sheet dated October 24, 2012. A revised Cover Sheet is attached to this addendum.

DOCUMENT 00 01 10 – TABLE OF CONTENTS

2. Section 00 91 13, Addendum Number 1, is added to the Project Manual.

DOCUMENT 00 11 16 – INVITATION TO BID

DOCUMENT 00 21 15 – INSTRUCTIONS TO BIDDERS EJCDC

3. Paragraph 1.6.A, Bidders are not required to have attended the Pre-Bid Conference held on October 16, 2012. Bidders are encouraged to attend to the Pre-Bid Conference.
4. Paragraph 1.14.G, Bidders are not required to give item values in writing. A revised Unit Price Work Form is attached to this addendum.

DOCUMENT 00 41 43 – BID FORM – UNIT PRICE (SINGLE-PRIME CONTRACT)

DOCUMENT 00 52 12 – AGREEMENT FORM – EJCDC STIPULATES SUM (SINGLE-PRIME CONTRACT)

5. Item No. 5, Remove and Replace Planters in no longer included in the Unit Price Work form. The planters have already been removed from the Project Site.

6. Item No. 9, Borrow Excavation (Top Soil) is renamed to Borrow Excavation (Natural Athletic Field Top Soil) to clarify that this Unit Price Work item is solely for up to 6-inches of top soil on the Natural Athletic Field. Any other borrow material needed for the Project shall be included in the lump sum Item No. 8, Grading.
7. A revised Unit Price Work form is attached to this addendum.

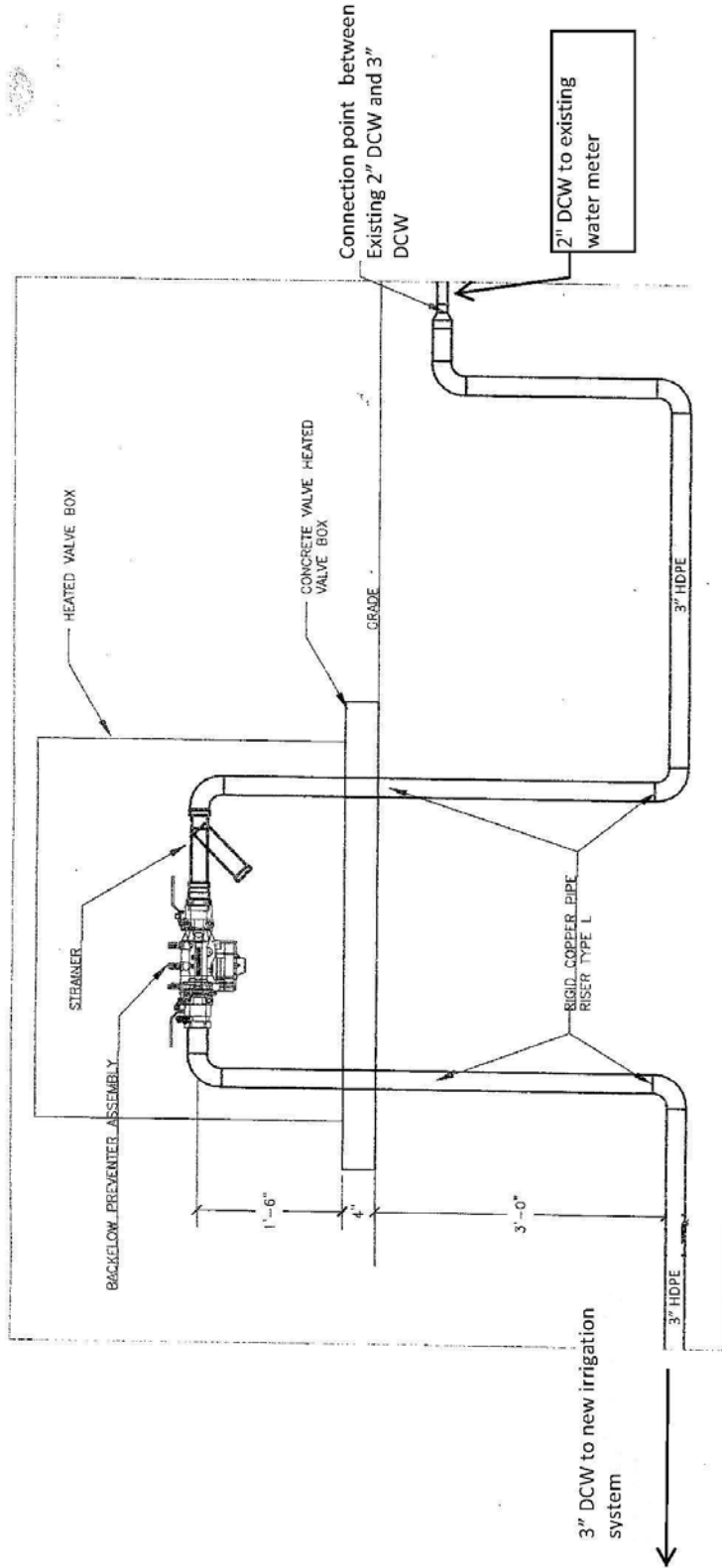
#### DOCUMENT 01 20 00 – PRICE AND PAYMENT PROCEDURES

8. Paragraph 1.9.F.1.c, replace the entire paragraph with the paragraph below.  
“Components: Jug Filler, Bowl Sand Strainer and stainless steel surface carrier for surface mount. Color to be approved by Engineer. Includes all work described in specification section 26 00 00, Water System and section 28 70 00, Site Furnishings needed to connect drinking fountain to the water system.”
9. Paragraph 1.9.F.2.c, replace the entire paragraph with the paragraph below.  
“Components: Thirty-two (32) gallon receptacle with in-ground mounting assemblage. Twenty-five (25) inch steel bolted bonnet top. Powder-coated finish. Color to be approved by Engineer. Liner color black. See specification section 28 70 00, Site Furnishings for additional requirements.”
10. Clarification: Paragraph 3.1, the City will provide access to web based versions of Primavera Contract Management and Project Management Software. There will be no cost to the Contractor associated with using City licenses of this software.

#### DOCUMENT 26 0 00 – WATER SYSTEM

11. Paragraph 3.12, replace the entire detail for the Backflow Assembly in Enclosure with the detail on the following page.

BACKFLOW ASSEMBLY IN ENCLOSURE  
 NTS



BACKFLOW ASSEMBLY

1. Contractor to verify the waterline sizes and the size of the backflow preventer, based on the requirements of the irrigation system.
2. A reduced pressure zone assembly shall be installed to prevent back siphonage and the backpressure of hazardous materials into the potable water supply. The assembly shall consist of a pressure differential relief valve located in a zone between two positive seating check valves. Back siphonage protection shall include the provision to admit air directly into the reduced pressure zone via a separate channel from the water discharge channel, or directly into the supply pipe via a separate vent.
3. The assembly shall include two tightly closing shutoff valves before and after the assembly, test cocks and a protective strainer upstream of the No. 1 shutoff valve.
4. The assembly shall meet the requirements of ASSE STD. 1013; AWWA STD. C-511-92 CSA B64.4; FCCCHR of USC Manual Section 10. Listed by IAPMO (UPC), SBCCI (Standard Plumbing Code).
5. The assembly shall be a Watts Regulator Company Series 909QTS or equal by FEBCO, Hersey, Wilkins, or Contraco.

HEATED VALVE BOX

1. Slab size is 6" larger than the length and width of the enclosure, and a minimum thickness of 4" above grade.
2. Heat is provided by a 90W, 120V single phase heat trace cable. Plugged into GF receptacle circuit.
3. Contractor is to verify the internal minimum dimensions and is responsible for verifying that the sizes listed will allow service clearances after backflow preventer assembly is installed.
4. Insulation is spray-applied polyisocyanurate foam (structural unicellular insulation) 1.5" thick to provide a minimum R Value of 8.
5. Insulated enclosures will be designed to protect to -30 degrees F when provided with heat.
6. Material of construction - Fiberglass. Color - Dark green.
7. Heated valve box must meet standards ASSE 1060.
8. Heated valve box shall be Wattsbox, Hotbox, Aquashield or equal.

#### DOCUMENT 26 36 00 – NATURAL ATHLETIC FIELDS

12. Paragraph 1.2.A.1, Basis of Measurement is by square foot (SF), not square yard (SY).
13. Paragraph 1.2.B, Borrow Excavation (Top Soil) is renamed to Borrow Excavation (Natural Athletic Field Top Soil) to clarify that this Unit Price Work item is solely for up to 6-inches of top soil on the Natural Athletic Field. Clarification: Borrow Excavation shall be measured by Truck Measurement, see NCDOT standard specification 230-5.B.

#### DOCUMENT 30 11 00 – PROJECT SPECIAL PROVISIONS

14. Paragraph 1.2.D, Remove and Replace Planters in no longer included in the Work. The planters have already been removed from the Project Site.
15. Paragraph 1.4.A.1, replace the entire paragraph with the paragraph below.  
“Removal and stockpiling of existing granite curb as directed by the Engineer, removal and disposal of concrete curb and gutter.”
16. Paragraph 1.4.A.10, replace the entire paragraph with the paragraph below.  
“Fine grading all Work and the Site, excluding the Natural Athletic Field.”
17. Paragraph 1.4.A.11, replace the entire paragraph with the paragraph below.  
“Removal and replacement of all permanent park signage and fencing.”
18. Paragraph 1.5, insert paragraph 1.5.D below after paragraph 1.5.C.  
“A Duke Energy work request has been created for this work (No. 163641101551) with the Duke Energy Business and Industry Department, (800) 653-5307.”
19. Paragraph 1.7, insert paragraph 1.7.B below after paragraph 1.7.A.  
“The manufacturer of the existing playground equipment to be removed and replaced is KOMPAN, Inc. The City of Durham’s contact with KOMPAN, Inc. is Alisa Coble, (919) 763-2786.”
20. Paragraph 1.8, Remove and Replace Planters in no longer included in the Work. The planters have already been removed from the Project Site.

#### APPENDIX A – SMALL DISADVANTAGED BUSINESS ENTERPRISE (SDBE) REQUIREMENTS AND CONSTRUCTION FORMS

21. The Minority SDBE participation goal should be 6% and the Women’s SDBE participation goal should be 2%. Replace the memorandum in Appendix A dated October 3, 2012 with the memorandum attached to this addendum dated October 23, 2012 which includes the updated SDBE goals.

#### CHANGES TO THE DRAWINGS

22. All Drawings, sheets 1 through 7, dated October 1, 2012, shall be replaced with the revised Drawings dated October 24, 2012. The revised Drawings may be downloaded from the Project web page at <http://durhamnc.gov/ich/op/pwd/consproj/Pages/SD-2012-05.aspx>.

#### DRAWING SHEET NO. 2 – EXISTING CONDITIONS & DEMOLITION PLAN

23. The existing planters have already been removed. This item is no longer included in the Work.
24. An existing wood deck to be removed by others prior to construction has been included on the plan.

25. Notes about holding or temporarily locating existing utility or signal poles were added to plan.
26. A note about removing and replacing existing park signs and fencing were added to the plan.
27. A note about removing and stockpiling the existing granite curb was added to the plan.
28. Clarification: There are four sections of existing storm drainage pipes shown to remain in place and be abandoned with flowable fill. Three are located in the park and one is at the intersection of Foster Street and West Geer Street. This work shall be included in item no. 8, Grading, as described in section 30 11 00, Project Special Provisions, paragraph 1.4.A.5.

#### DRAWING SHEET NO. 3 – PROPOSED SITE LAYOUT

29. Limits of Disturbance (LOD) were added to the plan.

#### DRAWING SHEET NO. 4 – GRADING, STORM DRAINAGE, & EROSION CONTROL PLAN

30. Section C-C was revised to clarify that the existing granite curb is to be removed. The section was also revised to include information about the full depth repair of the asphalt.
31. Existing contour information was added to the plan.

#### DRAWING SHEET NO. 5 – PROPOSED STORM SEWER PROFILES

32. Clarification: The sections of the storm drainage pipe labeled to be installed with water tight joints shall be field tested to 10 PSI.

#### DRAWING SHEET NO. 7 – SITE AMMENITIES PLAN

33. The Landscape Plan Notes and Irrigation Plan Notes were revised.
34. The Engineered Wood Fiber shall be bulk material.

END OF DOCUMENT

CONTRACT: SD-2012-05  
PROJECT: Old North Durham Park Infrastructure Improvements  
DATE: October 24, 2012

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

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**CITY OF DURHAM, NORTH CAROLINA**

**PROJECT MANUAL**

**INCLUDING  
BIDDING DOCUMENTS, CONTRACT DOCUMENTS, AND  
TECHNICAL SPECIFICATIONS**

**FOR**

**DURHAM**



**1869**

**CITY OF MEDICINE**

**CONTRACT: SD-2012-05**

**September 4, 2012**

**Addendum No. 1 October 24, 2012**

**Project: Old North Durham Park Infrastructure Improvements**

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



**10/24/2012**

SD-2012-05  
Unit Price Work Form

No.	Specification Reference	Item Description and Standard Drawing Reference	Quantity	Unit	Unit Price	Item Value
<b>Demolition and Removal</b>						
1	30 11 00	Tree Protection Fencing	240	LF		
2	NCDOT 200	Select Tree Removal (Large)	3	EA		
3	NCDOT 200	Select Tree Removal (Small)	12	EA		
4	30 11 00	Remove and Replace Playground Equipment	1	LS		
6	30 11 00	Temp. & Perm. Power Line/Pole Relocation & Coordination	1	LS		
<b>Subtotal for Demolition, Removal, and Remediation</b>						
<b>Earthwork</b>						
7	NCDOT 225	Undercut Excavation	485	CY		
8	NCDOT 226	Grading	1	LS		
9	26 36 00	Borrow Excavation (Natural Athletic Field Top Soil)	980	CY		
<b>Subtotal for Earthwork</b>						
<b>Soil Erosion and Sediment Control</b>						
10	NCDOT 1605	Temporary Silt Fence NCDOT 1605.01	70	LF		
11	NCDOT 1606	Silt Fence Outlet NCDOT 1606.01	1	EA		
12	NCDOT 1660	Seeding and Mulching (Outside of Park)	553	SY		
13	NCDOT 1607	Gravel Construction Entrance NCDOT 1607.01	1	EA		
14	NCDOT 1632	Rock Inlet Sediment Trap Type A NCDOT 1632.01	6	EA		
15	NCDOT 1632	Rock Inlet Sediment Trap Type C NCDOT 1632.03	17	EA		
<b>Subtotal for Soil Erosion and Sediment Control</b>						
<b>Traffic Control</b>						
16	NCDOT 1110	Work Zone Signs (Stationary)	162	SF		
17	NCDOT 1135	Cones	33	EA		
18	NCDOT 1130	Drums	100	EA		
19	NCDOT 1145	Barricades (Type III)	30	LF		
20	NCDOT 1150	Flaggers	232	HR		
<b>Subtotal for Traffic Control</b>						
<b>Paving</b>						
21	NCDOT 607	Milling Asphalt Pavement, 3-inch Depth	423	SY		
22	NCDOT 610	Asphalt Concrete Base Course, Type B25.0B	48	TN		
23	NCDOT 610	Asphalt Concrete Intermediate Course, Type I19.0B	33	TN		
24	NCDOT 610	Asphalt Concrete Surface Course, Type S9.5B	96	TN		
25	NCDOT 610	Asphalt Binder for Plant Mix	11	TN		
26	NCDOT 846	2-foot - 0-inch Concrete Curb and Gutter	223	LF		
27	NCDOT 848	4-inch Concrete Sidewalk	185	SY		
28	NCDOT 848	6-inch Conc. Driveway City Detail No. ST-9.0 & ST-10.0	57	SY		
29	N/A	Single Curb Cut Ramp City of Durham Detail No. ST-11.4	2	EA		
<b>Subtotal for Paving</b>						
<b>Storm Drainage</b>						
30	NCDOT 300	Foundation Conditioning Material, Minor Structures	622	TN		
31	NCDOT 300	Foundation Conditioning Geotextile	1450	SY		
32	NCDOT 840	Open Throat Catch Basin (0 to 8-feet) NCDOT 840.04/840.05	1	EA		
33	NCDOT 840	Drop Inlet (0 to 8-feet) NCDOT 840.14/840.15	13	EA		
34	NCDOT 840	Drop Inlet (8.1-feet and higher) NCDOT 840.14/840.15	2	EA		
35	NCDOT 840	Drop Inlet Frame and Grates NCDOT 840.16	15	EA		
36	NCDOT 840	Catch Basin (0 to 8-feet) NCDOT 840.01/840.02	2	EA		
37	NCDOT 840	Catch Basin (8.1-feet or higher) NCDOT 840.01/840.02	1	EA		
38	NCDOT 840	Frame, Grate, and Hood, Type G NCDOT 840.03	3	EA		
39	NCDOT 840	Precast Manhole with Masonry Base NCDOT 840.53	1	EA		
40	NCDOT 840	Manhole Frame and Cover NCDOT 840.54	1	EA		
41	NCDOT 310	15-inch R.C. Pipe Culvert, Class III (0 to 5-feet)	162	LF		
42	NCDOT 310	18-inch R.C. Pipe Culvert, Class III (0 to 5-feet)	76	LF		
43	NCDOT 310	24-inch R.C. Pipe Culvert, Class III (0 to 5-feet)	75	LF		
44	NCDOT 310	24-inch R.C. Pipe Culvert, Class III (5.1-feet or higher)	75	LF		
45	NCDOT 310	30-inch R.C. Pipe Culvert, Class III (5.1-feet or higher)	75	LF		
46	NCDOT 310	36-inch R.C. Pipe Culvert, Class III (0 to 5-feet)	75	LF		



SD-2012-05  
Unit Price Work Form

No.	Specification Reference	Item Description and Standard Drawing Reference	Quantity	Unit	Unit Price	Item Value
47	NCDOT 310	36-inch R.C. Pipe Culvert, Class III (5.1-feet or higher)	690	LF		
48	NCDOT 310	36-inch R.C. Pipe Culvert, Class IV (5.1-feet or higher)	416	LF		
49	30 11 00	Roof Drain Connection	24	EA		
<b>Subtotal for Storm Drainage</b>						
<b>Field Amendments and Park Amenities</b>						
50	N/A	Mounted Assembly for Irrigation Controller	1	EA		
51	29 20 00	Bermudagrass Seeding	8278	SY		
52	26 36 00	Bermudagrass Sodding	52700	SF		
53	30 11 00	Irrigation System and Water System	1	LS		
54	N/A	Steel Bollard, Detail Sheet 3	2	EA		
55	N/A	Engineered Wood Fiber	196	CY		
56	N/A	Hardwood Mulch	36	CY		
57	29 30 00	Landscape Tree	13	EA		
<b>Subtotal for Field Amendments and Park Amenities</b>						
<b>Miscellaneous</b>						
58	NCDOT 1515	Relocate Water Meter	1	EA		
59	NCDOT 800	Mobilization	1	LS		
60	01 20 00	Testing and Inspecting Allowance	1	EA	\$6,000.00	\$6,000.00
<b>Subtotal for Miscellaneous</b>						
<b>TOTAL AMOUNT FOR CONTRACT SD-2012-05</b>						
<b>Preferred Brand Alternates</b>						
1	01 20 00	ADA Drinking Fountain	1	EA		
2	01 20 00	Trash Receptacle	4	EA		

October 23 2012

**Memo To:** Marvin G. Williams, Director  
Department of Public Works

**From:** Deborah Giles, Director   
Equal Opportunity/Equity Assurance

**Subject:** Old North Durham Park Infrastructure Improvements

The Equal Opportunity/Equity Assurance Department reviewed the Cost Estimate submitted for the above referenced project to determine appropriate SDBE participation goals.

**Minority SDBE Participation Goal**

Based on the Cost Estimate outlined for this project, the Minority SDBE participation goal should be 6%.

**Women's SDBE Participation Goal**

Based on the Cost Estimate outlined for this project, the Women's SDBE participation goal should be 2%.

cc: Dana Hornkohl, Project Manager