



# Water and Sewer - Details and Specifications Update

Department of  
Water Management

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September 8, 2016

Public Works Stormwater Seminar



# Introduction

- Water and Sewer - Details and Specifications are being finalized.
- A Letter to Industry will be distributed to notify development community and contractors.



# Process Revisions

- Water and Sewer – Details, Specifications and Pre-Approved products will now be maintained by Water Management.
- All detail and specification variance requests will be reviewed and approved by Water Management. Variance reviews will be coordinated with Public Works Engineering Development Review and Inspections.
- All requests for inclusion on Pre-Approved product lists will be reviewed and approved by Water Management.
- Send variance and Pre-Approved Product requests to Brian Sessoms at [brian.sessoms@durhamnc.gov](mailto:brian.sessoms@durhamnc.gov)



# Notable Detail and Specification Revisions

- Now includes Water and Sewer Pre-Approved Product Lists.
- Rigid coupling for in-line material transition for gravity sewer. Only for DIP and PVC. Cannot be utilized with VCP.
- Epoxy interior lining for all DIP gravity sewer and force mains.
- New BFP details
- New Temporary Flushing/Testing Detail



# Upcoming Process/Design Standard Revisions

- Will Serve Permit. Permit issued by Water Management at the beginning stages of a project. Working with City/County Planning and Public Works to develop this process.
- Revisions to the Water and Sewer sections of the Reference Guide for Development.
- Lift Station Design Standards.
- More to come later...



# Questions?



# Public Works Stormwater and GIS Division

## GIS Dataset Overview and Acquisition

- <https://durhamnc.gov/1303/Custom-Maps-and-Data-Layers>

## GIS Data Access

- Various departments in the City and the County maintain many layers of GIS digital data. These layers of information are available for public access in several different ways. Online "Public Access" is available for the public to browse selected layers of the GIS database and perform simple queries on the data over the Internet. Standard digital data and hard copy mapping products are available at the Tax Assessor's Office, Planning, Public Works, and the GIS Department.

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*101 CITY HALL PLAZA  
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# Public Works Stormwater and GIS Division

## Digital Data Distribution Methods:

Digital Data Layers are available for download through the [Open Data Site](#) or Durham's FTP (File Transfer Protocols) site. To access the FTP site, customers must obtain permission and a logon code will be provided.

To order, customers can download a [Digital Data Request form and Agreement \(PDF\)](#) and email it to the Technology Solutions/GIS department.

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# Public Works Stormwater and GIS Division

## GIS Dataset Overview and Acquisition :

Open Data Site (FUTURE)

<https://opendurham.nc.gov>

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Open Data Site

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The screenshot shows the Durham Open Data website interface. The browser address bar displays <https://opendurham.nc.gov/explore/?sort=modified&refine.keyword=GIS>. The left sidebar contains navigation options: View (Analyze, Map), Modified (2015), Publisher (City and County of Durham, NC, City of Durham, National Weather Service), Keyword (GIS, Inspections, Cityworks, DurhamCompass, City, County, >More), Theme (Spatial planning, Town planning, Buildings, Equipment, Housing, Justice, Safety, Police, Crime, Sports, Leisure, Culture, Heritage, Education, Training, Research, Teaching, Environment, >More), and Download catalog (XLS, CSV, RDF (Turtle), RDF (XML), RSS feed). The main content area displays a grid of datasets, each with a title, publisher, license, and item count. The datasets include: Parcels (40 items), County Water Sewer Customer Area (324 items), Pending Building Permits (76 items), Building Inspections (11 items), Todays Building Inspections (87 items), Active Sign Permits (88 items), Active Building Permits (3,362 items), Pending Sign Permits (38 items), Todays Electrical Inspections (57 items), Pending Electrical Permits (22 items), and Active Electrical Permits. Each dataset card includes a 'GIS' icon and a list of actions: Table, Map, Analyze, Export, and API.



# Digital Data Request form and Agreement (PDF)

<https://durhamnc.gov/DocumentCenter/Home/View/3692>

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City of Durham/County of Durham  
Geographic Information Systems  
Digital Data Request Form and Agreement  
REQUEST BY: DATE OF REQUEST:  
COMPANY: PHONE:

E-MAIL ADDRESS:

DATA REQUESTED (Please be as specific as possible):

AREA REQUESTED:

DATA FORMAT:  Personal GeoDatabase  ArcView shapefile  DGN  Other \_\_\_\_\_

METHOD:  via E-mail  via FTP  CD-ROM  DVD

City of Durham and County of Durham shall not be held liable for any errors in the data provided as a result of this request. This includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. The data cannot be construed to be a legal document. Primary sources from which the data have been compiled must be consulted for verification of the information contained in this data. Requester agrees to make payment as specified in the City of Durham/County of Durham GIS Data Distribution Policy and to abide by all other provisions of the Policy, as they may be revised from time to time. No use for resale or commercial purposes, as defined in North Carolina General Statute Chapter 132-10, is permitted. If this request comes in the course of my employment, the person signing warrants that he or she has authority to bind the employer to abide by the City of Durham/County of Durham GIS Data Access and Distribution Policy and the terms of this Agreement.

\_\_\_\_\_  
Requester Signature Title Date  
(Contact Information)

City of Durham Technology Solutions Dept / GIS  
101 City Hall Plaza Durham, NC 27701  
Phone: (919)560-4122 Fax: (919)560-4808  
e-mail: gis@durhamnc.gov  
Office hours: Monday - Friday, 8:00 a.m. - 5:00 p.m.



# Public Works Stormwater and GIS Division

## GIS Datasets Managed by PWGIS:

- Street Centerlines / Road Features
- City Limits / Annexations
- Impervious Area
- Water and Sewer Infrastructure
- Stormwater System Infrastructure

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