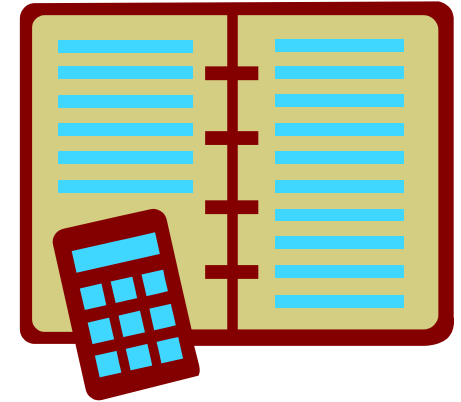




City of Durham Nutrient Offset Reporting Form and Worksheet



Public Works Department

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December 4, 2012





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Background

- Offsite mitigation allowed after meeting minimum onsite requirements
- City already had a standard authorization letter for offset credit purchases, but...
- DWQ wants to standardize local nutrient review & recording processes under Falls and Jordan rules



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DWQ vs. City Forms



- DWQ – 2 separate reporting forms
 - Neuse, Tar-Pamlico, and Falls Lake Developer Nutrient Reporting Form
 - Jordan Lake Developer Nutrient Reporting Form



- City of Durham is
 - Combining 2 forms into 1
 - Adapting DWQ's forms specifically for Durham's Stormwater Performance Standards ordinance

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Reporting Form

- 4 main sections of information:
 - Project information
 - Watershed information
 - Durham stormwater ordinance compliance alternative used
 - Nutrient offset request
- **Yellow cells** in 2nd-4th sections denote values user must fill in

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Worksheet



- Prepared for your use
- Values filled in on worksheet propagate over to reporting form
- Worksheet organization patterned after the nutrient compliance alternatives in City's stormwater ordinance
- **Yellow cells** denote information user must fill in



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Worksheet & Form Process

1. Consultants fill out, submit with site plan
2. City reviews, approves with site plan
3. For projects using off-site nutrient offsets, City gives developer copy of the form + letter authorizing buy-down
4. Developer takes form, letter to approved credit provider, buys credits
5. Developer gives City copy of the credit purchase receipt, nutrient bank ledger



Status of Form, Worksheet

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- Currently **DRAFT** in internal review
- When final, City will send out LTI, post on web site
- City will add to site plan submittal checklist



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Questions





Engineering Development Review in the City of Durham

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Public Works Engineering

Robert Joyner, Manager Development Review
Justin Weist, Engineering Development Review

12/4/2012



Outline

- Chapter 70 Revisions
- Reminder of Submittal Requirements for Triage
- Field Change vs. Revision to Approved Construction Drawing
- Questions

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Chapter 70 Revisions

- City/County Planning Department Revised Chapter 70
 - Requires **combined** Rezoning, Annexation and Utility Extension Agreement submittal
 - Scott Whiteman with Planning will process submittal and place on City Council Agenda
 - If Council decides not to annex, the Utility Extension Agreement becomes invalid

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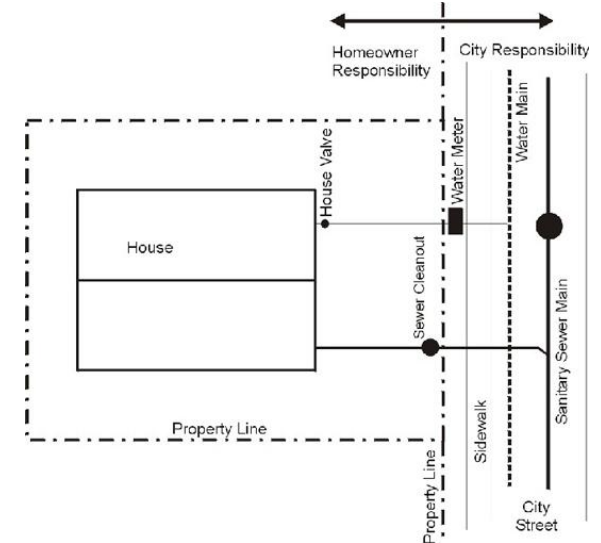


Chapter 70 Revisions

- How does this effect Engineering Public Works?
 - A Utility Extension Agreement and Annexation will be required, not only for extensions of water and sewer mains, but also water and sanitary sewer services
 - Subject parcel must extend both water and sewer, not just one utility
 - No building permit will be issued until County parcel requesting utilities is annexed

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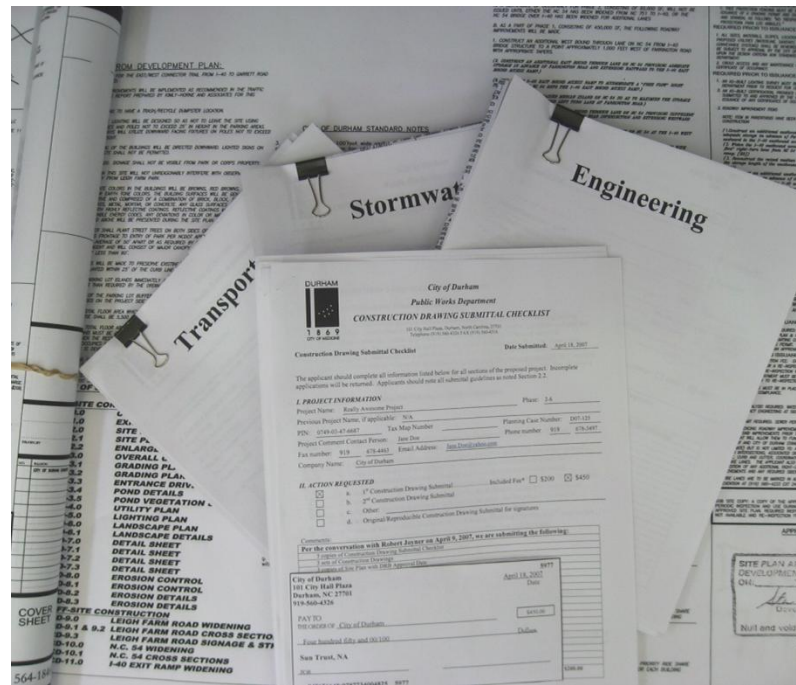


Reminder of Submittal Requirements for Triage

- Triage is comprised of 3 groups: **Engineering**, **Stormwater** & **Transportation**
- Performed at 3 pm on M, W & F
- CD's must be to the **Customer Service Counter** by noon to be Triage'd that day (Kimberly.Browning@durhamnc.gov)
- Plans will either be **Accepted** or **Rejected**

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Reminder of Submittal Requirements for Triage

- **Engineering** reviews/approves all components of construction except:
 - Stormwater BMP's
 - Erosion Control
 - Site Landscaping & Lighting
 - Building/Structures
 - Pavement & Markings/ Traffic Control
- Please include Erosion Control Plan, Landscaping Plan & Lighting Plan in the Construction Drawing set as we review for conflicts



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Reminder of Submittal Requirements for Triage

Accepted:

- Will receive an automatic email from LDO
- LDO will generate a task for each review group (Eng, SW & Trans)
- Each group has 10 business days to review the CD
- Each group will contact you separately to pick up your package (all group's comments must be addressed prior to next submittal)



Reminder of Submittal Requirements for Triage

- Will receive an automatic email from LDO
- You may re-submit complete submittal for the next available Triage
- Submittal will be **Rejected** if missing the following items:

- Review fee
- City submittal checklist
- Approved stamped Site Plan from Planning (you may hand write the DRB approval date on the Site Plan cover sheet for one review cycle only)
- SIA (**stormwater**)
- Fire Flow Analysis (Courtney.Davidson@durhamnc.gov)
- Storm Drainage Calculations
- Drainage Divide Map
- BMP Summary Sheet (**stormwater**)
- Pavement and marking plan (**transportation**)
- Construction Drawings
- **Redlines** from the previous review

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APPROVAL STAMPS

DRB Approval
7/7/06

COVER SHEET

564-1846-00

12/05/06

APPROVAL STAMPS

SITE PLAN APPROVED BY THE
DEVELOPMENT REVIEW BOARD
ON: 7/7/06
Steve L. [Signature]
Development Review Board
Null and void 4 years after approval
or by 7/7/10

COVER SHEET

564-1846-00

12/05/06



Field Change vs. Revision to Approved Construction Drawing

- When is a **Field Change** allowed:
 - Water
 - Small shift of water main location and/or appurtenances
 - Small shift in fire hydrant location and ok 'd by fire inspector, Tom Darling
 - No new hydrants, fire lines, FDC, etc added
 - Sanitary Sewer
 - Small shift of sewer main location
 - No new structures and/or pipes added
 - Storm Drainage
 - Small shift of storm pipe/channel and/or inlet/structure alignment
 - No new structures and/or pipes added

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Field Change vs. Revision to Approved Construction Drawing

- When is a **Revision to an Approved CD** required:
 - Water
 - Major shift of water main location
 - Addition of a FH, FDC, fire line, BFP, etc
 - Change in size of main, fire line, BFP, etc
 - Sanitary Sewer
 - Major shift of sewer main location
 - Addition of new structures and/or pipes
 - Change in size of main
 - Storm Drainage
 - Major shift of storm pipe/channel and/or inlet/structure alignment
 - Addition of new inlet/structure and/or pipe/channel
 - Change in size/material of pipe/channel
 - Major change in slope of pipe/channel

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