



CITY OF DURHAM CONSTRUCTION DRAWING SUBMITTAL CHECKLIST

Development Services Center
101 City Hall Plaza | Durham, NC 27701
919-560-4137 or 919-560-4144 | triage@durhamnc.gov
www.durhamnc.gov

Development Services Center

Date: _____

Complete this checklist and submit with all other required materials listed in the checklist through the submittal portal: https://dsc.durhamnc.gov/264/Application-guide. Construction drawings review fees shall be paid at time of the initial submittal and will include a 4% technology surcharge fee.

If you have questions about the triage process please email triage@durhamnc.gov.

PROJECT INFORMATION

Project Name: _____
Phase/s: _____
Previous Project Name/s: _____
PIN numbers: _____
Project Address: _____
Site Plan # (if site plan required): _____ Is the Site Plan? o Approved o Under review
(may submit after receiving 1st review comments)

APPLICANT INFORMATION

Contact Person: _____ Company: _____
Email Address: _____ Phone: _____

TYPE OF SUBMITTAL AND FEES

1st Construction Drawing Submittal (choose type of project)
Commercial or Apartments Project water and/or sewer extension permits are not required: \$1,500
water and/or sewer extension permits are required: \$2,500 + \$500 per additional apartment building
Residential Subdivision Project # of lots: # of phases:
[\$2,500 x (# of Phases) + [\$25/lot x (# of Lots)] = \$
Pump Station Design Drawings \$10,000 (total fee due, no technology surcharge)
Subtotal of fees = \$ 4% technology surcharge fee = \$
Total Fees Due = \$

Construction Drawing Resubmittal #
Final/Reproducible Construction Drawing Submittal for signatures
Revision to Previously Approved Construction Drawings (1st submittal of revision) Amendment #:
Is the project under construction? o Yes o No PW Inspector:
Review fee: \$1,040 (includes technology surcharge fee)

REVIEW GROUPS REQUIRED TO REVIEW THE CONSTRUCTION DRAWINGS

- Engineering Division (public or private streets, sidewalk, water, sewer, and storm drainage)
- Stormwater Services (SIA, SCMs)
- Department of Transportation (signage, pavement markings, road widening, sidewalk detours)
- Department of Water Management (only when submitting pump station design drawings)
- City-County Development Services Center (floodplain, surface waters and buffers)

Comments:

INSTRUCTIONS

Initial in the space provided to indicate the following submittal requirements have been met. For items that do not apply, the applicant should note "N/A" for those items. Depending upon the project, additional items may be required. Construction drawing submittals without the following minimum criteria will not be triaged. All report covers must contain the project name as listed in the cover sheet of the construction drawings, PIN#s, and seal from the professional signing the report.

**How to pay Public Works Engineering review fees for submittals of:
Construction Drawings(CD)
Engineering As-Built Drawings (AB)
Video Inspection(VI)**

Go to the DSC Paymentus web payment portal by clicking the link or by cutting and pasting the link into your browser <https://ipn2.paymentus.com/rotp/dhds>

Please be aware that the third party vendor charges a convenience fee for each transaction. If you are paying by echeck, the fee is a flat \$0.50. If you are paying by credit or debit card, the fee is 3.3%.

Please enter the project name and project phase as shown on the Construction Drawings. The Planning Case number is not required, but can be included as extra information. The project name and phase are REQUIRED.

PAYMENT PORTAL: <https://ipn2.paymentus.com/rotp/dhds>

1. From the “Select a Payment Type” drop down menu, choose:
“1-Engr As-Built, CD, Video, UEA”
2. Type in **submittal type and project information** in the blank(s) provided. Each blank is limited to 32 characters; use both blanks as needed to provide complete information. Please use the format of *Submittal Type-Project Name-Phase #*.
For example:

Construction Drawings:	<i>CD - Golden Pond Subdivision-PH2</i>
Engineering As-Built Drawings:	<i>AB - Golden Pond Subdivision-PH2</i>
Video Inspection:	<i>VI - Golden Pond Subdivision-PH2</i>
3. Fill out the payment information fields.
4. Enter in the “Pay This Amount” field as follows:
 - Construction Drawing– enter total fee due amount you have calculated on your CD Submittal Checklist.
 - As-Built Drawings - \$104 each phase
 - Video Inspection – enter total fee due amount you have calculated on your Video Inspection Submittal Checklist
5. You will receive a payment confirmation. Include a pdf of this payment confirmation with your submittal upload in box.com.

Engineering Division Submittal Requirements

Initial Submittal

- _____ Site Plan (approved or most current)
- _____ Construction Drawings (24"x36" sheet size – to scale)
- _____ 10-year and 25-year HGL calculations for all proposed storm drainage pipes (as required by the Reference Guide for Development)
- _____ Swale and flume design calculations (as required by the Reference Guide for Development)
- _____ Culvert design calculations (as required by the Reference Guide for Development)
- _____ Gutter spread calculations (as required by the Reference Guide for Development)
- _____ Fire flow analysis for each individual phase and full project build-out if applicable (as required by the Reference Guide for Development)
- _____ Private/public pump station plans included in set of construction drawings

Resubmittal (Re-reviews)

- _____ Revised Construction Drawings
- _____ Redlined Construction Drawings from previous submittal
- _____ Revised calculations/reports
- _____ Redlined calculations/reports from previous submittal

Final Submittal for Signature/Approval (all redlines/comments have been addressed)

- _____ Final Construction Drawings (signed and sealed)
- _____ Final calculations/reports (either with reviewer's "approved" or "no comments" on cover sheet of report)

Stormwater Division Submittal Requirements

Initial Submittal

- _____ Site Plan
- _____ Approved stormwater impact analysis. If any changes have been made to the site plan that affect the analysis, a revised analysis must be submitted and a revised site plan may be required.
- _____ Construction Drawings (24"x36" sheet size – to scale)
- _____ Final design calculations for any stormwater BMPs. All BMP designs, where routing is a key component of the design, will require the use of storage indication routing methodology such as TR-20 or HEC-1 models. Provide stage-storage relationship and inflow and outflow hydrographs for all routing calculations. Provide all tabulated data, including calculations showing the outlet under orifice control, barrel control, and weir control (as appropriate), and provide the equations used to develop the rating tables/curves.
- _____ Stormwater BMP Design Summary filled out with design calculations (one for each BMP)
- _____ SCM(s) Operation & Maintenance (O & M) Manual(s) in Word format

Resubmittal (Re-reviews)

- _____ Revised Construction Drawings
- _____ Redlined Construction Drawings from previous submittal
- _____ Revised calculations/reports
- _____ Redlined calculations/reports from previous submittal

Final Submittal for Signature/Approval (all redlines/comments have been addressed)

- _____ Final Construction Drawings (signed and sealed)
- _____ Final Calculations/Reports

Department of Transportation Submittal Requirements

Initial Submittal

- _____ Construction Drawing Submittal Checklist (Department of Transportation section of the checklist)
- _____ Digital Set of Site Plan
- _____ Set of Construction Drawings (24"x36" sheet size – to scale)
- _____ Cover sheet with special conditions of approval requirements
- _____ All road widening drawings (public, private or NCDOT)
- _____ Signing and marking drawings included
- _____ Signing and marking notes included on plans
- _____ Standard signing and marking details included on plans (sign details, pavement marking details, street marker details, etc.)
- _____ Signal Plans
- _____ Traffic Control Plan (if closing streets for any length of time or closing sidewalks for more than 7 days)
- _____ Electronic Submittal of all materials listed above on CD/DVD or USB Flash Drive

Resubmittal (Re-reviews)

- _____ New Construction Drawing Submittal Checklist Construction Drawing Submittal Checklist (Department of Transportation section of the checklist)
- _____ Set of Revised Construction Drawings
- _____ Redlined Construction Drawings from previous submittal
- _____ Electronic Submittal of all materials listed above on CD/DVD or USB Flash Drive

Final Submittal for Signature/Approval (all redlines/comments have been addressed)

- _____ New Construction Drawing Submittal Checklist Construction Drawing Submittal Checklist (Department of Transportation section of the checklist)
- _____ Original signed/sealed reproducible Construction Drawings for signature
- _____ Additional set of Construction Drawings if there are comments from the previous review.
- _____ Redlined Construction Drawings from previous submittal
- _____ Electronic Submittal of all materials listed above on CD/DVD or USB Flash Drive

Department of Water Management Submittal Requirements

Initial Submittal

- _____ Previously finalized Intent to Construct a Lift Station Package (reference [Lift Station Design Standards](#))
 - If any changes have occurred clearly identify them in a revision cloud
- _____ Previously finalized Intent to Calculation Review Package (reference [Lift Station Design Standards](#))
 - If any changes have occurred clearly identify them in a revision cloud
- _____ Fast-Track Application for Gravity Sewers, Pump Stations, and Force Mains filled out
- _____ Clear statement of any variances requested
- _____ Construction Drawings (24"x36" sheet size – to scale) from all disciplines
- _____ An exhibit with the entire force main profile on a single sheet with the lift station, discharge point, air release valves, hydraulic grade line, and key stations labeled clearly
- _____ Truck access exhibit
- _____ Truck staging and egress exhibit
- _____ Construction Drawing Review Checklist

Resubmittal (Re-reviews)

- _____ Revised Construction Drawings
- _____ Redlined Construction Drawings from previous submittal

Final Submittal for Signature/Approval (all redlines/comments have been addressed)

- _____ Redlined Construction Drawings from previous submittal
- _____ Final Documentation, Permits, and Construction Drawings (signed and sealed)

City-County Development Services Center Submittal Requirements for Floodplain or Surface Water & Buffer

Initial Floodplain Submittal

- _____ Site Plan
- _____ Construction Drawings (24"x36" sheet size – to scale)
- _____ Floodplain Determination Form
- _____ Completed Floodplain Checklist
- _____ Floodplain Impact Plan (24"x36" sheet size – to scale)
- _____ Floodplain Review Items per the Floodplain Determination Form
- _____ Design Professional's Narrative of Floodplain (Existing Conditions, Proposed Work, Impact of Activities, and Required Protections - Regulatory Specific)

Initial Surface Water & Buffer Submittal

- _____ Site Plan
- _____ Construction Drawings (24"x36" sheet size – to scale)
- _____ Buffer/Setback Determination Form for Streams & Wetlands
- _____ Stream & Wetland Impact Plan Checklist
- _____ Stream & Wetland Impact Plan
- _____ NPAA Form (Ordinance Use Noted)
- _____ Stream Determination Report and Letter (Regulatory Specific)
- _____ Design Professional's Narrative of Stream & Wetland (Existing Conditions, Proposed Work, Impact of Activities, and Required Protections -Regulatory Specific)

Resubmittal (Re-reviews)

- _____ Revised Construction Drawings
- _____ Revised versions of all previously submitted documents and drawings
- _____ Redlined Documentation and Construction Drawings from previous submittal

Final Submittal for Signature/Approval (all redlines/comments have been addressed)

- _____ Final Documentation, Permits, & Construction Drawings (signed and sealed)