

STORMWATER CONVEYANCE AS-BUILT SUBMITTAL CHECKLIST

Stormwater Management Division

asbuiltsubmittal@raleighnc.gov

Telephone (919) 996-3773

I. PROJECT INFORMATION

Project Name: _____ Phase: _____
Project Address: _____ Disturbed Area (sf): _____
PIN: _____ Case #: _____
Legal Name of Owner: _____
Owner Contact: _____ Phone: _____
Owner Address: _____
Design Contact Person: _____ Phone: _____
Design Contact Email: _____

II. **SUBMITTAL REQUIREMENTS - This completed checklist shall be submitted to the City of Raleigh with any stormwater conveyance as-built submittal for public or private stormwater infrastructure. Stormwater conveyance as-built submittals shall be submitted electronically to asbuiltsubmittal@raleighnc.gov.**

Note: This as-built stormwater conveyance data for all public and private stormwater infrastructure does not take the place of any submittal required by Development Services. Acceptance of the data herein is for inventory purposes and does not constitute acceptance of the City for maintenance purposes.

Items to be included in As-Built Submittal:	
<input type="checkbox"/>	A sealed statement shall be provided a licensed design professional which certifies that the as-built stormwater infrastructure (both public and private) complies with the approved plans and meets all UDO requirements.
<input type="checkbox"/>	Horizontal datum is in NAD 83, and the appropriate realization of NAD 83 has been specified Note: The NC CORS Base Station Network is referenced to the NAD 83[2011] datum; vertical datum must be NAVD88, geoid 03 or later and indicated in survey text file
<input type="checkbox"/>	All units are in US survey feet

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<input type="checkbox"/>	As-Built drawings provided including strike-through updates of all items shown on the approved construction drawing plan sheets/details. These shall include the “As-Built” date, revision dates, project title, page numbering, north arrow, scale of drawing, scale bar, vicinity map, permit number, engineer in charge, all easements identified and dimensioned, pipe size, pipe material, pipe length, pipe slope, manhole and inlet size, rim elevations, inverts, top elevations, manhole and inlet depth, manhole and inlet material, abandoned and or removed features, SCM facilities, channel/swale/ditch identification with length, bottom width, side slopes, and channel slope, as well as location of all open channel conveyance.
<input type="checkbox"/>	CCTV shall be provided for all privately maintained stormwater pipes 12 inches or greater in size. All CCTV inspections in accordance with the National Association of Sewer Service Companies (NASSCO) Pipeline Assessment Certification Program (PACP) version 7.
<input type="checkbox"/>	PDF file of each signed and sealed sheet
<input type="checkbox"/>	CAD file of utilities that shows the overall stormwater system as-built layout along with the property or subdivision boundaries Note: DWG, DGN, DXF and SHP are acceptable format.
<input type="checkbox"/>	CAD files saved in “model space” on NC State Plane grid
<input type="checkbox"/>	Comma-delimited text file or Microsoft Excel file of survey information with the following columns: <ol style="list-style-type: none"> 1. Feature Type (Inlet, Manhole, Pipe outlet, etc.) 2. X, Y, Z (rim or top) 3. Size 4. Description (see example) and Pipe Upstream (US) X, Y, Z (invert) 5. Downstream (DS) X,Y, Z (invert) 6. Diameter or Size 7. Material (see example)
<input type="checkbox"/>	Digital as-built data submittals labeled with the following information: <ol style="list-style-type: none"> 1. Project name 2. Name of firm which prepared the data 3. As-built date 4. Permit number(s) 5. COR plan identification number (if applicable)
<input type="checkbox"/>	Each digital as-built submittal includes the following: <ol style="list-style-type: none"> 1. PDF files for each sheet submitted 2. PDF file(s) for recorded plat(s) 3. CAD file (see above)
<input type="checkbox"/>	Data file denoting the coordinates and description for each utility feature in the project scope
<input type="checkbox"/>	Two manholes or inlets (one above and one below) the project area have been defined and labeled (including inverts and top elevations)

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<input type="checkbox"/>	All inlets, manholes, junction boxes, pipe inlets, pipe outlets, SCM risers, SCM control structures, SCM flow splitters, and connections to existing stormwater infrastructure have been labeled with their respective North Carolina State Plane grid X and Y coordinates (and also in US Survey feet)
<input type="checkbox"/>	All pipes, inlets and manholes have been labeled as either public or private
<input type="checkbox"/>	All current Wake county parcel information and properly labeled
<input type="checkbox"/>	All streets are defined and labeled
<input type="checkbox"/>	The closest geodetic monument to the project has been identified and labeled
<input type="checkbox"/>	Ground surface elevations, while not shown on the as-built plan, have been included in the survey text file
<input type="checkbox"/>	A data file denoting the coordinates and description for each utility feature in the project scope should be provided as indicated below:

STRUCTURES

Feature ID	X	Y	Z	Size	Description
CB-1				3x2	NCDOT 840.01
DI-2				2x2	Non-standard grate inlet
BES-1				18"	Bare-end Section Pipe inlet
MH-1				4'	NCDOT 840.52
FES-1				36"	Flared End Section Pipe outlet

PIPES

Pipe ID	Material	Diameter	US X	US Y	US Z	DS X	DS Y	DS Z
Pipe-1	RCP	15"						
Pipe-2	RCP	18"						
Pipe-3	RCP	15"						
Pipe-4	RCP	36"						

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CHANNELS/SWALES/DITCHES

Reach ID	Top Width	Bottom Width	Depth	US X	US Y	US Z	DS X	DS Y	DS Z
Reach-1	6-feet	3-feet	24"						
Reach-2	8-feet	4-feet	36"						
Reach-3	10-feet	5-feet	36"						
Reach-4	12-feet	6-feet	42"						

III. PROFESIONAL CERTIFICATION

Name: _____

Contact Email: _____

Contact Phone Number: _____

Professional Seal:

