

WILSON COUNTY STORMWATER

233 East Gay Street
Lebanon, TN 37087
615/443-2120

RECORD DRAWING REQUIREMENTS (REV. 2/03/20)

INSTRUCTIONS

Prior to the Wilson County Stormwater Department issuing a statement that the entire drainage associated with this project meets the County's requirements; the **attached form must be filled out and returned to this office along with the items listed below.** An engineer must also stamp and sign this form. Failure to return this information to this office will delay our approval; therefore, it is recommended that as soon as you anticipate a completion date for your project, you should notify your engineer immediately.

1. An electronic Record Drawing submittal with the below layers and specifications should be emailed, or delivered to the Wilson County Stormwater Director, James Vaden for review. The Record Drawings must be produced based on field run survey which reflect actual constructed site conditions.
2. Coordinate data shall be presented in the State of Tennessee Plane system with the North American Datum 1983 (NAD83) and North American Vertical Datum (NAVD) of 1988. This data requirement subject to change based on state and federal requirements.
3. Along with the electronic Record Drawing file (DWG format), a hard copy must be signed and sealed by a licensed professional engineer and submitted for approval before any Letters of Credit can be released.
4. The County requires Record Drawings to be submitted for all development in the County concerning stormwater management facilities infrastructure including quality and conveyance information. The Record Drawings should show plainly the **approved and constructed layout**, elevations, design, etc. of the entire site. The following layers must be included for the site:
 - Catch Basins
 - Site Outfalls (identified and labeled with text)
 - Conduits (swales, ditches, etc.), hydro (ponds, streams, etc.)
 - Culverts (inlets and outlets),
 - Directional Flow Arrows (arrows should point in direction of flow along pipes, swales, etc.),
 - SCM's (Stormwater Control Measures (Water Quality Features) – identified and labeled;
 - All impervious surfaces: roads, driveways, etc. if they are private.
 - For *residential developments*, Record Drawings must include **approved and constructed layout** for paved areas and all detention and water quality infrastructures. Show cross sections at critical areas on the road systems and include storm drains in those cross sections. Certain engineered water quality conveyances such as engineered swales have a required slope and cross section to give maximum water quality benefits for the area; these require record cross sections to determine if they are built per designed specifications.

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STORMWATER INFRASTRUCTURE CERTIFICATION

Date:
From:
Project Name:
Description of Site

The following information is **REQUIRED** and must be submitted in the format shown:

Stormwater Pond Volume Data:

Storage Condition	Wet Storage	Dry Storage	Total Storage
Design Volume			
Record Volume			

Retention Pond Outlet Structure Data:

Design outlet device type			
Design outlet device dimensions			

**New calculations for the pond are required if it is undersized or the shape has been changed.*

Storm Pipe / Structure Inventory:

Provide Design Vs. Record Tables for all Storm Pipe and Structures to compare the following data: (Pipe size, slope, material, length, invert elevations, structure casting elevations, etc..)

Do all the pipe grades exceed 0.5%? _____

Do all the pipe velocities exceed 2.0 ft/sec? If no, which pipes? _____

Does the flow for any pipe exceed its capacity? If yes, which pipes? _____

Receiving Waters: _____

<p><u>Record Drawing Certification:</u> I have included in the attached Record Drawing the following layers: catch basins, conduits (swales, ditches, etc.), hydro (pond, stream, etc.), culverts (inlets and outlets), all impervious surfaces and necessary elevations. Based on review of record survey information, and site observations, it appears that the storm water quantity, drainage structures and/or stormwater pond and all other structures included on the Record Drawing to have been constructed as shown on this/these record drawing(s). Further, it appears that the intent and design of the approved project drawings have been met or exceeded with this/these record drawing(s).</p>	<p>Place Engineer's Seal/Signature/Printed Name/Date in space above</p>
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