

STORMWATER AS-BUILT REQUIREMENTS

The following is required per the City of Lebanon's Stormwater Management Ordinance, Section 6: Permanent Stormwater Management: Operation, Maintenance and Inspection

(1). As-Built Plans, which states:

All applicants are required to submit actual as-built plans for any structures located on-site after final construction is completed. The plan must show the final design specifications for all stormwater management facilities and **must be sealed by a registered professional engineer licensed to practice in Tennessee**. A final inspection by the City of Lebanon is required before any performance security will be released. The City of Lebanon shall have the discretion to adopt provisions for a partial pro-rata release of the performance security on the completion of various stages of development. In addition, occupation permits shall not be granted until corrections to all BMP's have been made and accepted by the City of Lebanon.

INSTRUCTIONS

Prior to the City of Lebanon Engineering Department issuing a statement that the entire drainage associated with this project meets the City'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 As-Built with the below layers and specifications should be submitted on IDT. For questions, contact Brad Bork bradley.bork@lebanontn.org phone (615) 444-3647 ext. 2351 or Mattie Neely mattie.neely@lebanontn.org, phone (615) 444-3647 ext. 2339.
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.
3. Along with the electronic As-Built, 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 City requires As-Built to be submitted for all development in the City concerning stormwater management facilities infrastructure including quality and conveyance information. The As-Built 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
 - Conduits (swales, ditches, etc.), hydro (ponds, streams, etc.)
 - Culverts (inlets and outfalls),
 - All impervious surfaces: roads, driveways, etc. if they are private.
 - For *residential developments*, As-Built 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 as-built cross sections to determine if they are built per designed specifications.

CITY OF LEBANON
Engineering Department
200 North Castle Heights Avenue, Suite 300
Lebanon, Tennessee 37087

STORMWATER INFRASTRUCTURE CERTIFICATION

Date:
 From:
 Project Name:
 Description of Site:

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

Designed storage volume		As-Built volume	
Design outlet device type		As-Built device type	
Design outlet device dimensions		As-Built device dimensions	

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

List of Structures

Structures/Swales/Devices, Etc.	As-designed Elevations	As-Built Elevations

Do all the pipe grades exceed 0.5%? If no, which pipes?
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?

Record Drawing Certification:

I have included in my As-Built the following layers: **catch basins, conduits (swales, ditches, etc.), hydro (ponds, stream, etc.), culverts (inlets and outlets), all impervious surfaces and necessary elevations.** I hereby certify that the stormwater quality, drainage structures and/or detention/retention basins(s) and all other structures included on the As-Built were constructed as shown on this/these record drawing(s). I further certify that the **intent** and design of the approved project drawings have been met or exceeded with this/these record drawing(s).

_____ Date: _____
 (Project Engineer)

Required:
(Sign, Date and Seal Plan(s))