

2024 Edition of the Town of Huntersville Water Quality Design Manual

Significant changes have been made to the previous November 2017 Edition to create the new version that will become effective July 1, 2024, including (but not limited to) the following:

1. Best Management Practice (BMP) changed to Stormwater Control Measure (SCM) to be consistent with local and State terminology.
2. Section 2 Definitions moved to last Section 8. Definition added for Surface Waters.
3. The following was added to General Provisions in Section 2.3 under #1: If a site has multiple outfalls that drain to a common point either on or off site, this 50% requirement can vary between the different drainages provided 50% treatment is achieved by volume for the entire site and for the first inch of runoff.
4. The following was added to the General Provisions in Section 2.3 under #2, 3, and 4:
 - SCMs installed for compliance with the Ordinance shall be selected from Tables 2.1 and 2.2 below and shall be designed and constructed in accordance with the criteria contained in the Charlotte-Mecklenburg SCM Design Manual located at the following link: <https://www.charlottenc.gov/Services/Stormwater/Stormwater-Regulations/SCM-Design-Manual>. Additional SCMs outside of these tables may be approved at the discretion of the Stormwater Administrator.
 - An Operation and Maintenance Agreement is required for all SCMs used for the control of water quantity, peak, and volume (see Section 2.3).
 - It is the policy of the Town of Huntersville that all SCMs be located in common open space and not on single-family residential lots or in public rights-of-ways. The Town believes this is necessary to ensure the long term maintenance of these devices. Any change to this policy requires approval from the Storm Water Administrator and the Town Engineer.
5. Changes were made to the list of approved LID and Conventional SCMs and they were moved to Tables 2.1 and 2.2 in Section 2.3. The following footnotes were added to Table 2.1:
 - Permeable Pavement: The surface area of the permeable pavement will be allowed 100% credit as permeable area except this credit cannot be used in designated water supply watershed areas to exceed the Built-Up Area (BUA) cap per Zoning Ordinance Section 3.3.
 - Sand Filter: To be considered an LID SCM, the sand filter must be above ground with a native soil bottom that has been scarified and not compacted. **A constant head permeability test of the bottom must show infiltration capabilities.** In addition, the under drain must be designed to create minimum two-foot internal water storage layer above the bottom. Sand filters not meeting these criteria will be considered Conventional Stormwater SCMs.
6. Section 8.5 moved to Section 2.4.
7. Section 4 reduced to Subsections 4.1, 4.2, and 4.3.
8. Section 7 changed to Section 5 Erosion and Sediment Control Considerations for LID.
9. Removed Sections 5, 6, and 8.
10. Section 9 changed to Section 6.
11. Section 10 changed to Section 7.