

4.13 Proprietary SCMs

A proprietary SCM is a manufactured device designed using technology developed by an independent company/contractor that treats storm water before being discharged to another SCM or to a receiving stream. This is a broad category of SCMs with a variety of pollutant removal mechanisms and varying pollutant removal efficiencies.

New Stormwater Technologies approved by NCDEQ under the NEST Program (see Part F of the NCDEQ Stormwater Design Manual) and listed below are allowed for use in Charlotte-Mecklenburg. These SCMs can be used to meet water quality treatment requirements, provided they are designed, constructed, and maintained per the minimum design criteria and recommendations listed in Part D of the NCDEQ Stormwater Design Manual.

- StormFilter
- Silva Cell Suspended Pavement with Bioretention
- Filterra
- BayFilter

Additional SCMs may be added in later versions of this Manual. Alternative SCMs that are not currently described in the Manual will be considered, reviewed, and approved on case-by-case basis. The review and approval process will consider SCM documentation, pollutant removal efficiency, long-term maintenance ease, etc.