



Memorandum

To: Manufacturers/Suppliers of Proprietary Stormwater Treatment Systems, Design Professionals, City Staff, and other interested parties

From: Daniel J. Conn, P.E., Director

Date: June 15, 2005
Revised: April 14, 2011
Revised: September 1, 2017

Subject: Proprietary Stormwater Treatment Systems

The City of Marietta Public Works Department has, since early May 2005, requested information from manufacturers and their representatives regarding proprietary stormwater treatment systems. We have met with manufacturers, engineers, and design professionals and have found that the City's requirements for proprietary stormwater quality control devices need to be clarified.

The City of Marietta adopted Ordinance #6634 "Post-Development Stormwater Management for New Development and Redevelopment" found in article 7-8-18, and signed into effect on March 10, 2004, revised February 11, 2009. Article 1.7 of this ordinance states, "*The City of Marietta will utilize the policy, criteria and information including technical specifications and standards in the latest edition of the Georgia Stormwater Management Manual for the proper implementation of the requirements of this ordinance.*"

Volume 1, Section 4.2.3 of the Georgia Stormwater Management Manual (2016 Edition) requires an applicant to "Treat the runoff from 85% of the storms that occur in an average year. For Georgia, this equates to providing water quality treatment for the runoff resulting from a rainfall depth of 1.2 inches to reduce the average annual post-development total suspended solids loadings by 80%."

The following items shall be submitted to the City for review when a proprietary water quality control device is proposed for use within the City:

1. Technology verification report through credible third-party testing agencies (e.g.. NJCAT, EPA ETV Water Quality Protection Center, or other agency);
2. Technical specifications and design requirements;
3. Operation and maintenance requirements;
4. The design professional or third-party technology verification report shall demonstrate how the design accounts for local conditions; and
5. Any additional information the City requests in order to perform an adequate review.

All proprietary water quality control devices proposed for use within the City of Marietta must comply with GSMM, 2016, Volume 2, Section 4.18 “Guidelines for using proprietary systems with the exception of being allowed to utilize third-party testing agencies as outlined above. TSS removal ratings will be assigned to proprietary devices based on the technology verification report and how it will be utilized on each project to account for local conditions. Devices rated at less than 80% TSS removal will have to be used in conjunction with other water quality removal structures (e.g. extended dry detention ponds, grass swales, etc.) or practices found within the Georgia Stormwater Management Manual to achieve regulatory requirements.

The above should be provided in written form to:

Jennifer Kobylus, CFM, CPESC, Stormwater Engineer and
Jason Copenhaver, P.E., City Engineer
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