



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

PAUL R. LEPAGE
GOVERNOR

PATRICIA W. AHO
COMMISSIONER

September 2, 2014

Robert J Woodman and Scott Gorneau
Fabco Industries, Inc.
93 Falmouth Rd
Falmouth ME 04105

Dear Mr. Woodman and Mr. Gorneau,

I am pleased to inform you that the Cultec chamber system wrapped in fabric is now approved as a subsurface stormwater pre-treatment device meeting the General Standards' requirements (Section 4.B.) of the Stormwater Management Rules (Chapter 500). This approval is based on information submitted for the system installed at the University of New England, which demonstrates that the system may be cleaned when needed. To qualify as an approved pre-treatment system, the Cultec system must be sized, installed and maintained in accordance with the following provisions:

1. The Cultec chamber row must be sized such that the number of chambers will manage the projected one-year peak flow from the device's drainage area without overflowing.
2. The pre-treatment row must be followed by a subsurface detention and sand filter designed per Chapter 7.3 of Volume III in the Maine Stormwater Management BMP Manual to provide storage and treatment of the water quality/channel protection volume (WQv) which consists of the first 1.0 inch of runoff from impervious surfaces and 0.4 inches from lawns and landscaped areas. Additionally, the WQv must be detained for a minimum of 24 hours (emptying time) and a maximum of 72 hours. The WQv should be hydraulically isolated from any additional stormwater storage by weirs or other means so that only the WQv is routed through the pre-treatment row.
3. All storage systems must include sufficient access for the removal of accumulated sediment and debris.
4. The pre-treatment row must be installed under the manufacturer's representative supervision.
5. If the area draining to the device is a source of hydrocarbons (i.e. parking lots, roads, drive-through commercial enterprises), then the pre-treatment row must be preceded by a practice that will trap debris and hydrocarbons since the pre-treatment row does not serve that function.
6. Per the Stormwater Management Rules, Chapter 500, the system must be inspected twice yearly, and the structure must be cleaned when necessary to maintain the established efficiency for pollutant removal. A 5-year binding maintenance contract will be required and must be renewed upon expiration.
7. The overall stormwater management design must meet all DEP established criteria and sizing specifications and will be evaluated before approval.

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8. Review and approval of each project by the manufacturer for use, layout and sizing of the Cultec pre-treatment row and subsurface sand filter system will demonstrate conformance with their design specifications.
9. This approval is conditional to on-the-ground experience confirming that the system's pollutant removal efficiency and sizing are appropriate. The "permit shield" provision (Section 14) of the rules will apply, and the Department will not require the replacement of the system if pollutant removals do not satisfy the General Standard BMPs.

If you have any questions regarding this letter or the attached report, please feel free to call Jeff Dennis at 207-215-6376 or Marianne Hubert at (207) 215-6485.

Sincerely,

A handwritten signature in black ink, appearing to read "Donald T. Witherill". The signature is fluid and cursive, with a large initial "D" and "W".

Donald T. Witherill, Director
Division of Environmental Assessment