

Tom Greer
Pinkham and Greer, Civil Engineers
28 Vannah Ave
Portland, ME 04103

July 21, 2016

**RE: St. Lawrence Arts Addition (Contech Reference No. 541,937)
Review of Filterra Design**

Dear Mr. Greer:

The purpose of this letter is to document Contech Engineered Solutions' review of the plans and the proposed application of the Filterra water quality unit for the St. Lawrence Arts Addition site in Portland, ME.

Contech Engineered Solutions (Contech) has reviewed the Filterra design for this project. We believe the standard offline Filterra configuration with external bypass is an appropriate water quality solution for this site. The Filterra system is approved for use by MEDEP as an alternate to the General Standards of the Stormwater Rules (Chapter 500) if designed, installed, and maintained in accordance with the provisions noted in the April 19, 2016 approval letter from the MEDEP.

The engineer of record reports a totally impervious drainage area of 0.138 acres. The Filterra was designed in accordance with the sizing design guidelines to treat 90% of the annual runoff volume prior to bypass. In order to adequately treat the runoff from this area, Contech recommends a 6'x4' Filterra.

The configuration of the Filterra is acceptable. The system appears to be constructible and is located in order to facilitate maintenance activities. Our systems require periodic maintenance to continue operating properly. Given typical runoff pollutant loading rates, Contech recommends maintenance inspections on an annual basis. Based on the location of the system, we anticipate replacement of the mulch layer every 12 months for the system to continue to remove pollutants. Contech will be responsible for the first year of maintenance as included in the purchase of the Filterra unit; subsequent years of maintenance shall be performed by a third party at the owner's expense.

This system is expected to operate in accordance with Contech's design intent. Please feel free to contact me if you have any questions or concerns.

Sincerely,



Christopher J. Allen
Contech Engineered Solutions LLC
(443) 457-1519
callen@conteches.com