

Project Location: 3 Perkins Way, Newburyport, MA

Date: 5/25/2018

The following are the written responses to the comments. Comments made by Christiansen & Sergi, Inc. (CSI), review date: March 29, 2018. The numbered responses correspond to the numbering on the comment letter.

1. The stormwater calculation have been revised to include the Time of Concentration for all the proposed watershed areas. Due to high groundwater a constructed pocket wetland is now provided to mitigate the peak runoff rates.
2. A Stormwater Checklist is now provided.
3. A Constructed Pocket Wetland is now provided and included in HydroCAD calculations.
4. All design points are now included in the HydroCAD calculations.
5. Test pits have been completed and a constructed pocket wetland is now used due to high groundwater elevations.
6. Granite edging with inlet openings is now provided.
7. The 12" outlet pipe slope is set at 0.5% and adequate to convey stomrwater from the outlet structure and included in the HydroCAD model.

We have provided revised drawings and stormwater calculations for your review. Please contact us with any added comments or questions on the provided material.

Sincerely,

*Stephen B Sawyer*

Stephen Sawyer, P.E.