



October 12, 2015

Mr. Robert Young, Stormwater Officer
Village of Horseheads
202 South Main Street
Horseheads, New York 14845

RE: FedEx Ground Distribution Center SWPPP
Village of Horseheads, Chemung County, New York
FE Project #2015-057

Dear Mr. Young:

This letter is a response to the Friday October 9, 2015 meeting at the Chemung County Stormwater. Jimmie Joe Carl, Kevin Fanelli and myself. Based on the discussion at the meeting the following changes were made to the SWPPP.

The outlet structures for the three forebays were discussed. To prevent a ^{VOLTEX} siphon, the 100-year storm peak elevation needs to remain within the cutout and not overtop the outlet structure. The PondPack (TR-55) model was modified to use 6-feet of overflow weir instead of a standpipe. 3-2' wide weirs on three sides and no weir on the side with the outlet pipe were modeled. This created a small change to the TR-55 model. It lowered the flowrates out of the forebays a small bit. This caused small changes to the peak water level in the infiltration system.

The following things were changed:

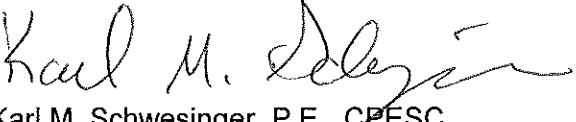
- Extended/Closed the contours at the North Forebay and the South Forebay;
- Fixed the catch basin labels to show the 22"x36" pipe instead of a 30" pipe;
- Relocated the East Roof Drain Outlet;
- Added an Inspection Port in the middle of the infiltration system;
- Added a metal grate to the outlet structures and updated the overflow and rim table based on the updated TR-55 results;
- Recalculated the isolator row diversion weirs based on the updated TR-55 results, and updated the detail with the new elevations;
- Added a note for the X-Tex Material to be used in Crystal Streams FD-1;
- Added a note to the StormTech details that the stone used shall have a minimum void space of 40%;
- Recalculated the stormwater conveyance using an n value of 0.18 for the CMP;
- Recalculated the stormwater conveyance from the three forebays using tail water conditions, and;
- Raised the overflow elevation from the South Forebay, and recalculated the WQv treated volumes.

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Five copies of the final SWPPP and project drawings are included with this letter. If you have any questions or comments, please feel free to contact me.

Sincerely,

FAGAN ENGINEERS & LAND SURVEYORS, P.C.


Karl M. Schwesinger, P.E., CPESC
Project Manager

Cc: Jimmie Joe Carl, Chemung County Stormwater Coalition
Walter Herbst, Village of Horseheads
Kevin Fanelli, L & K Construction, Inc.

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