

March 16, 2021

Victor A. Benni, P.E., Town Engineer
Town of East Lyme
P.O. Drawer 519
Niantic, CT 06357

Re: Special Permit Application
10 Colton Road (Earth Products Showcase)

Dear Mr. Benni:

We are in receipt of your comments dated March 15, 2021, regarding the project noted above. Our responses are indicated below in bold italic text and are as follows:

1. Provide signed/sealed copy of Stormwater Management Report.

Response: Signed and sealed copies of the drawing set and stormwater management report have been included in this latest submission.

2. The Zoning Official may wish to consider requesting more information regarding the proposed bulk storage bins, i.e., material, maximum height, & etc.

Response: Information on the proposed bulk storage bins will provided to the town.

3. The Zoning Official may wish to consider requesting more information regarding the proposed fence, gate, and columns being proposed at the access drive.

Response: Information on the proposed fence, gate, and columns will be provided to the town.

4. Verify that minimum cover over the underground infiltration system has been satisfied, especially at the north end of the system.

Response: The north-west corner of the infiltration system has an existing grade elevation of 67.69, the top of the infiltration system is set at elevation 66.30 giving the system 16.6-in. of ground cover.

5. Three discharge points with energy dissipators have been proposed adjacent to the CTDOT right-of-way (I-95 Corridor). The Zoning Official may wish to consider notifying the CT DOT Drainage Department to inquire as to any permits/approval that

may be required by the State; the Engineering Department can assist with this communication.

Response: Notice of the proposed stormwater discharge will be provided to the CT DOT Drainage Department.

6. The body of the Stormwater Management Report (the Report) should be updated to include accurate references to the Appendices. The Report does not include the Drainage Maps referenced in Appendix D. Multiple references in the Report and its appendices to “Trumbull” and the “Town of Trumbull should be reconsidered. Table 5 of the Report indicates an overall increase in volume of stormwater runoff for all analyzed storms, contradicting the overall volume of stormwater runoff volume statement. The report indicates 2’ deep sumps, while the drawing set indicated 4’ deep sumps at proposed catch basins. The references to the detention pond area should be omitted from the Stormwater System Operation and Maintenance Plan (Appendix E?). The previously requested deep test pit data was not provided with Appendix F; this data is required to verify that the infiltration facility was designed at least 3’ above the seasonally high groundwater table or bedrock.

Response: The Report now includes the drainage maps in Appendix D. The Report now references the Town of East Lyme. The appendix lettering of the stormwater system operations & maintenance manual has been revised to be “E” instead of “F”. Table-5 shows the total volume of stormwater runoff generated from a storm event, there is an increase in runoff volume as more impervious area is proposed for the site. Table 4 indicates the total peak flow (before and after) leaving the site after being detained by the on-site underground infiltration system. The Report has been revised to describe 4’ deep sumps for the proposed catch basins as shown on the plans. The references to any surface storage or detention ponds have been removed from the Report. The deep test pit data has been added to Appendix “F” of the Report and can also be seen on sheet GU-1 of the plans.

7. Lighting Plan (LP-1): The Typical Concrete Light Pole Base detail shall be revised to provide a maximum 6” reveal for the concrete pole base; revise Note #9 accordingly. Note #5 should be revised to include requirement that specification cut sheets of all products be submitted for approval by the Zoning Official prior to installation.

Response: The light pole base detail and note #9 have been revised to show a maximum 6” reveal. Note #5 has been updated to state the specification cut sheets of all products be submitted to approval by the zoning official prior to installation.

8. Consider requiring the Applicant to provide the Zoning Department with an As-built drawing upon the completion of construction. The As-built drawing should include the site improvements associated with the proposed development, the locations of all underground utilities, and all the components of the stormwater treatment system.

Response: As-built drawings will be provided to the zoning department upon completion of site improvements.

9. An erosion & sedimentation bond in the amount of \$8,000 is recommended by this Department to control erosion & sedimentation, as specified on the applicant's certified plan, or as conditions may require.

Response: An erosion & sedimentation bond in the amount of \$8,000 can be provided.

We trust this addresses your concerns. Should you require additional information, feel free to contact me at 203-608-2476.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Chris D. Gagnon'.

Christopher D. Gagnon, P.E.
Senior Project Manager