

September 15, 2025

Ms. Stacy Radford
Zoning & Wetland Officer
Department of Land Use &
Development Town of Montville
310 Norwich-New London Turnpike
Uncasville, CT 06382

**Re: 25IWC19 – Fluid Line
Products, LLC 179 Gallivan
Lane
Montville, CT
Site Plan and Stormwater Management Report Review**

The following are our responses to the comments received from Dave McCay:

General

- Please submit the CT DEEP Statewide Inland Wetlands & Watercourses Activity Reporting Form if not included in application package previously.
The CT Deep reporting form was submitted to the Planning Department with the original application package.
- Please submit abutter's list if not included in application package previously.
The abutter's list is attached with this submittal.

Stormwater Modeling

- Please evaluate the pipe discharge velocities to ensure that the appropriately sized riprap is specified for the project record.
Calculations for the sizing of the riprap splash pad have been added to the revised drainage report. Dimensions for the splash pad have been added to sheets 3 and 4

Site Plans

- Due to the proximity to the upland review area, please confirm that refuse collection trucks can access the dumpster enclosure in the configuration as shown.
A turning movement plan has been provided for a garbage truck and the site plan has been modified to provide an additional paved area for maneuvering.
- Please update the callouts for the erosion control blanket to match the response to the Soil Scientist review comments throughout the plan set (noted on Sheets 3, 4, 7 (Note 13) and 8).

The notes have been revised on sheets 3,4, and 7.

- Please continue a row of erosion controls along the eastern limit of clearing as the topography slopes to the northeast in this area.
Silt fence has been shown on sheet 3 along the east clearing limits of the disturbance area.
- Please provide pipe sizes and construction details for the swale with curtain drain.
A curtain drain detail has been added to sheet 7, specifying a 12 inch pipe. Sheet 4 also calls for a 12 inch pipe in the curtain drain.
- Please provide a construction detail for the specified 1.5H:1V modified riprap slope stabilization.
A profile for the slope, bench, and curtain drains, has been added to sheet 7.
- Please provide spot elevations for the reverse bench to ensure the bench meets the recommendations of the Soil Erosion and Sedimentation Control Guidelines:
On projects in the past, we have observed difficulties with the installation of a reverse sloped bench in the middle of a steep slope, with a 1% slope along the bench. Therefore, I like to have the bench at the same grade, and the curtain drain pipe at 1%. This will catch the water into the swale and stone curtain drain and then get the water out via the pipe. This meets the intent of the Manual and is much easier to install than a bench at the 1% slope.

Reverse Slope Benches

Reverse slope benches are required whenever the vertical height of any slope steeper than 3:1 exceeds 15 feet (see Figure 5- 7), except when engineered slope stabilization measures are included in the slope and/or a detailed soil mechanics analysis calculation has confirmed an acceptable factor of safety exists for the finished slope. Using the following design criteria provide:

- spacing between benches into nearly equal segments and convey the surface and subsurface water to a stable outlet while still considering soils, seeps, rock outcrops, and other site conditions.
 - bench width(s) of at least 6 feet (or sufficient to accommodate construction and long-term maintenance equipment).
 - reverse slope(s) of 5:1 or flatter between the outer edge of the bench and the toe of the upper slope.
 - a minimum bench depth of 1 foot.
 - bench gradient(s) to a stable outlet of at least 1% but not greater than 2%; and
 - no total flow length(s) within the bench exceeding 800 feet unless accompanied by appropriate design and computations to demonstrate adequate capacity and stability.
- Please update the level spreader detail so the dimension between the top of berm and top of riprap match the callout. Please identify the interior and exterior sides of the basin for clarity during construction.
This revision has been made on the detail on sheet 7 and spot grades called out on sheet 4.
 - Please confirm the size of the riprap called for in the Modified Riprap Splash Pad Detail. Please confirm splash pad dimensions with the plan callouts.
Calculations for the sizing of the riprap splash pad have been added to the revised drainage report. Dimensions for the splash pad have been added to sheets 3 and 4

- The proposed sewer installation is located within the Upland Review Area, within the limits of an existing paved surface. Please consider incorporating erosion control measures along this route or a procedure for maintaining a non-erodible trench surface at the end of working days. Please incorporate a trench/pavement restoration detail. Please verify the inverts called out at the western manhole. Please provide details for the manhole and sewer pipe meeting Town of Montville WPCA requirements.

Silt fencing has been added outside of the pavement, along the sewerline, on sheet 3. Details for the sewer manhole, and sewer pipe trench have been added to sheet 6, taken from Montville's WPCA sewer standards. The invert call out for the manhole has been revised on sheet 5.

If you have any questions please do not hesitate to contact me.

Very truly yours,

Ellen M. Bartlett, PE, CPSWQ
LEED Accredited Professional