



Civil Engineering / Land Planning / Construction Services

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April 24, 2023

Effingham Planning Board
George Bull, Vice Chair
68 School Street
Effingham, NH 03882

Subject: Engineering Review Letter
Meena, LLC
NH Route 25 & Leavitt Road
Effingham, New Hampshire
NPE Proj. No. 22026

Dear Board Members,

At the request of the Planning Board, Northpoint Engineering, LLC (Northpoint) has performed a **fourth** technical review of the updated plans and material for the subject project that have been provided to us. The application material and plan documents were reviewed to determine conformance with local regulations, State and Federal requirements as well as generally accepted engineering practices.

The material that we reviewed included, but was not limited to, the following items:

- Letter from Horizons Engineering dated January 26, 2023 (Horizons September Letter);
- Seven sheet plan set prepared by Horizons Engineering last revised 4/13/23 that includes a Cover Sheet, a Boundary Survey, an Existing Conditions Plan, a Site Plan, a Stormwater Management Plan, a Stormwater Management Detail Plan sheet and a Bioretention Basin Details sheet (collectively referred to as the Current Plans in this letter);
- Spill Prevention, Control, and Countermeasure (SPPC) Plan prepared by Horizons Engineering, dated April 13, 2023;
- Stormwater Summary drainage report prepared by Horizons Engineering, last revised April 12, 2023 (referred to as Drainage Report or Report in this letter);
- Inspection and Maintenance Manual prepared by Horizons Engineering, last revised April 12, 2023 (referred to as I&M Manual in this letter);

We offer the following comments and recommendations:

1. The stormwater management design has been modified to include a bioretention basin that will collect and treat stormwater runoff from the paved areas of the parcel surrounding the fuel dispensers. This basin has been designed in compliance with the New Hampshire Stormwater Manual (the NH Manual) and is appropriate for the subject site. It includes a multiple level treatment train that will provide additional protection for the receiving soils within the Groundwater Protection District.

2. The I&M Manual has been updated to reflect the final stormwater management design elements. Implementation of the procedures outlined in this manual will help to ensure the long term viability of the stormwater management system to collect and treat stormwater runoff.
3. The SPCC Plan has been updated to include additional provisions for a Source Control Plan in accordance with the NH Manual. This will help to minimize the volume of stormwater coming into contact with regulated substances and to segregate relatively clean stormwater from stormwater with a potentially higher concentration of pollutants.
4. The Drainage Report has been updated to include the bioretention basin design and to include a narrative describing how the project intends to comply with the Performance Standards of Section 2210 of the Zoning Ordinance relative to the Groundwater Protection District.
5. Based on the above comments, the submitted material appears to meet the applicable criteria of Town of Effingham Site Plan Regulations and the Town of Effingham Zoning Ordinance Section 2210 Performance Standards of the Groundwater Protection District. In addition, the submitted material appears to meet general industry standards and to be in compliance with the NH Stormwater Manual. We have no further comments relative to the proposed stormwater management design.
6. We offer the following minor comments that the Planning Board may wish to impose as conditions of approval and/or have the applicant address prior to formal approval:
 - A. The Existing Conditions Plan should contain the seal of the Certified Wetland Scientist identified on the plan;
 - B. The Planning Board may want to consider that the I&M Manual be a recorded instrument, in accordance with the apparent intent of the Ordinance which states in Section 2208.J that “a narrative description of maintenance requirements for structures required to comply with Performance Standards of Section 2210, Performance Standards, shall be recorded at the Carroll County Registry of Deeds so as to run with the land on which such structures are located. The description so prepared shall comply with the requirements of RSA 478:4-a.”

This completes our fourth review of the submitted items. If you have any questions, please feel free to reach out to me directly.

Sincerely,



Jeffrey W. Lewis, PE
Principal Engineer
Northpoint Engineering, LLC