

CLA Engineers, Inc.

Civil • Structural • Survey

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July 11, 2024

Stacy Radford
Zoning & Wetland Officer – Dept. of Land Use & Development
Town of Montville
310 Norwich-New London Tpke., Uncasville, CT 06382
Via Email: sradford@montville-ct.org

RE: Inland Wetland Application 24 IWC 7
339 Chesterfield Road Site Development
CLA-7873

Dear Stacy:

We have reviewed the application documents submitted for the proposed site development at 339 Chesterfield Road. We have the following comments:

1. Beavers and beaver dams are a known issue in that pond and watershed area. We would recommend that the owner should be required to monitor and mitigate any beaver activity at the new driveway culvert crossing.
2. Stormwater calculations for the sizing of the driveway culvert crossing should be provided.
3. Pipe inverts and grading for the wetland crossing should be provided (spot grades or contours).
4. The driveway culverts appear to end at the edge of driveway, how will the edge/embankment be stabilized? Will guide rail be required?
5. Is there adequate cover over the culverts for the fire apparatus traffic loading specified?
6. Will electrical code allow for the installation of the underground electrical conduit within the $\pm 12"$ of soil over the driveway culverts?
7. Will additional temporary wetland disturbance be needed for the driveway and culvert construction?
8. A construction narrative for the driveway and culvert construction through the wetland should be provided. Including construction sequencing and means for dewatering or water diversion as needed.
9. The application does not include a wetland function and value assessment. Provide a description of if and how a variety of wetland functions may be impacted by the proposed development.

10. Provide information for replanting the land where the existing house is. How will the upland review zone be re-vegetated?
11. How will disturbed soils throughout the site be re-vegetated?
12. Will areas of temporary wetland disturbance be re-planted?
13. Show a feasible soil stockpile location.
14. Provide a copy of the plan signed by the soil scientist.
15. Has wetland mitigation been considered?
16. Several test pits and percolation tests are noted on the project plans. Provide the data from these pits and perc tests.
17. Has the septic design been approved by Uncas Health District?
18. Show proposed limits of clearing adequately beyond the limits of proposed grading.
19. The stone diaphragm proposed along the driveway is at the edge of the wetland and beneath a cut slope. It is likely to remain saturated. There may be a need to move the driveway further from the wetland or elevate it on the proposed location.
20. Show a feasible soil stockpile location greater than 50 feet from the inland wetland.
21. Show proposed limits of clearing.
22. Show grading for the septic system. This may extend the limits of clearing further downhill.
23. Clearly show and call out all E&S controls along the edge of disturbed soils.
24. Provide woodchips or hay bales co-located with the silt fence barrier in the upland.
25. Use woodchip berms for E&S within the wetland.
26. Quantify the temporary wetland disturbance including cutting of vegetation and placement of E&S.

27. The North arrows on the given plans do not line up between plan sheets. The North arrow on Sheet 2 ("Site Development Plan") should be pointing towards the top of the page.

Thank you for the opportunity to provide this review. Please feel free to call us at our office or email khaubert@claengineers.com or brusso@claengineers.com with any questions or comments.

Very truly yours,
CLA Engineers, Inc.

A handwritten signature in blue ink, appearing to read "K Haubert".

Kyle Haubert, P.E.

A handwritten signature in blue ink, appearing to read "Robert Russo".

Robert Russo C.S.S.