

# CLA Engineers, Inc.

Civil • Structural • Survey

317 MAIN STREET

NORWICH, CT 06360

(860) 886-1966

(860) 886-9165 FAX

August 5, 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](mailto:sradford@montville-ct.org)

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

Dear Stacy:

We have reviewed the revised application documents submitted for the proposed site development at 339 Chesterfield Road. The original comments from our July 11, 2024 letter are included below in italics and the status of the comment is given in bold. 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.* **Addressed.**
2. *Stormwater calculations for the sizing of the driveway culvert crossing should be provided.* **Watershed mapping, including time of concentration travel path should be provided**
3. *Pipe inverts and grading for the wetland crossing should be provided (spot grades or contours).* **Addressed.**
4. *The driveway culverts appear to end at the edge of driveway, how will the edge/embankment be stabilized? Will guide rail be required?* **Addressed.**
5. *Is there adequate cover over the culverts for the fire apparatus traffic loading specified?* **Addressed.**
6. *Will electrical code allow for the installation of the underground electrical conduit within the  $\pm 12"$  of soil over the driveway culverts?* **NEC may require conduits to have 18" minimum cover under driveways, requiring them to be under the culvert. This may require deeper excavation & dewatering at the crossing. Provisions should be made for deeper excavation under the culverts if needed.**
7. *Will additional temporary wetland disturbance be needed for the driveway and culvert construction?* **Addressed.**
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.* **The construction narrative should be placed on the plans. We**

- recommend provisions for dewatering and a clear water discharge be included on the plans as well, in case the installation of the culverts and conduit “in the wet” is not feasible.**
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. Was the provided functional/impact analysis prepared by the soil scientist?*
  10. *Provide information for replanting the land where the existing house is. How will the upland review zone be re-vegetated? Provide additional detail to address this comment. Add the proposed narrative to the project plans with specific seed mixes.*
  11. *How will disturbed soils throughout the site be re-vegetated? Provide additional detail to address this comment. Add the proposed narrative to the project plans with specific seed mixes.*
  12. *Will areas of temporary wetland disturbance be re-planted? Provide an appropriate wetland seed mix.*
  13. *Show a feasible soil stockpile location. Addressed.*
  14. *Provide a copy of the plan signed by the soil scientist. Addressed.*
  15. *Has wetland mitigation been considered? Addressed.*
  16. *Several test pits and percolation tests are noted on the project plans. Provide the data from these pits and perc tests. Please add the data to the plans.*
  17. *Has the septic design been approved by Uncas Health District? Addressed.*
  18. *Show proposed limits of clearing adequately beyond the limits of proposed grading. Addressed.*
  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. Addressed.*
  20. *Show a feasible soil stockpile location greater than 50 feet from the inland wetland. Addressed.*
  21. *Show proposed limits of clearing. Addressed.*
  22. *Show grading for the septic system. This may extend the limits of clearing further downhill. Addressed. If this changes, the applicant needs to come back to the Inland Wetlands Commission.*

23. *Clearly show and call out all E&S controls along the edge of disturbed soils. Areas still need to be addressed. Some E&S measures appear to run through proposed graded areas.*
24. *Provide woodchips or hay bales co-located with the silt fence barrier in the upland. Addressed.*
25. *Use woodchip berms for E&S within the wetland. Addressed.*
26. *Quantify the temporary wetland disturbance including cutting of vegetation and placement of E&S. Addressed.*
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. Addressed.*

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

Very truly yours,  
**CLA Engineers, Inc.**



Kyle Haubert, P.E.



Robert Russo C.S.S.