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August 13, 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

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.* **The drainage area figure provided appears to exclude some watershed area. In our estimation the watershed appears to be around 18-20 acres. The Applicant should review watershed and updated the watershed map and calculations. The watershed map should be a scaled map/figure.**

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 ±12" of soil over the driveway culverts?* **Addressed.**

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.* **Construction narrative and dewatering information have**

been included on plans. The dewatering discharge point has been shown in the wetlands, this discharge point should be relocated to an upland area.

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.* **The wetland function and value assessment provided by the soil scientist is satisfactory.**

10. *Provide information for replanting the land where the existing house is. How will the upland review zone be re-vegetated?* **Seed mixes and replanting narrative have been added to the functional assessment document. Ensure that plans have both seed mixes clearly labeled.**

11. *How will disturbed soils throughout the site be re-vegetated?* **Comment not addressed. Provide notes and details on soil stabilization in upland along driveway and behind house.**

12. *Will areas of temporary wetland disturbance be re-planted?* **Appropriate wetland seed mix has been provided.**

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.* **Addressed.**

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.* **Comment not addressed. In and around wetland crossing and driveway, additional clearing will need to occur for construction. Widen limits of clearing in wetland as practical for construction.**

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 Inland Wetlands Commission.**

23. *Clearly show and call out all E&S controls along the edge of disturbed soils.* **Addressed.**

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.**

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.

Kyle Haubert, P.E.

Robert Russo C.S.S.