Town of East Lyme

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Town Engineer
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To: Gary A. Goeschel II, Director of Planning

From: Victor Benni, P.E., Town Engineer

Date: June 7, 2021

Re: 29 Rocco Drive - Wetlands Application Review

Information submitted by the Applicant which was considered in this review:

- (Drawing Set) 29 Rocco Drive, Prepared for Daniela Gjergjaj, East Lyme, Connecticut, Date: April 10, 2021, Sheets C-1, SD-1 thru SD-5, by: J.Robert Pfanner & Associates, P.C.
- Drainage Report, 29 Rocco Drive, East Lyme, CT, Date (Calculations): March 31, 2021, by: J.Robert Pfanner & Associates, P.C.

This office has reviewed the above referenced information and has the following comments:

1. Sections of the proposed paved drive exceed the recommended maximum 15% grade. Consider revising the grading plan to provide for a cross-pitched drive and curbed edge of drive. Stormwater runoff should be encouraged to drain to the proposed catch basin locations and scouring along the edge of the proposed drive should be discouraged.

2. Provide a cross-section detail of the cross-culvert construction at the wetlands/driveway crossing. A construction narrative and construction sequence of the culvert crossing may also be considered. Include a description and details associated with the proposed guiderail.

3. Provide catch basin and storm pipe trench details. The catch basin & pipe network being installed in the proposed drive collects & directs stormwater runoff to the downstream end of the proposed cross culvert and the intermittent stream. The Drainage Report provides a Summary of the pre vs post peak discharge rates. The Drainage Report should also include an analysis of the pre vs post stormwater discharge volumes at this location.

4. Additional Erosion & Sedimentation (E&S) controls should be considered for the driveway installation, culvert crossing, and stormwater conveyance system. Consider enhancing the Drawing Set, including details, with temporary haybale check dams, stockpiles, siltfence, haybales, construction access, catch basin inlet protection, and energy dissipators.

5. An E&S Bond Estimate should be provided by the Applicant. The Wetlands Agency may wish to consider requesting construction and final construction reports be completed, by the design engineer, for the work associated with the driveway cross culvert.