

September 30, 2020

Ms. Meghan N. Lally, Chair  
Andover Inland Wetlands and Watercourses Commission  
17 School Road  
Andover, CT 06232

RE: IWWC 20-27 129 Hebron Road

Dear Ms. Lally,

As requested, I performed a review of the following documents received for the above referenced project.

- Plan entitled “Permit/Site Plan Prepared For Nahin & Ruby Puerto, 129 Hebron Road, Andover, CT” prepared by Tarbell, Heintz & Assoc., Inc., dated 11-10-17 as revised through 5-29-20, Sheet 1 of 1
- Sketch entitled “Proposed Fence 129 Hebron Rd. Andover” dated Sept. 10, 2020.
- Application for Permit, dated 5/26/20

Following are review comments consideration by the Commission.

1. It is my understanding the new septic system is not part of the application and a detailed review of activities associated with the leaching field was not performed.
2. The map/plan should include the name and certification of the soil scientist of record that delineated the inland wetlands.
3. A regulated area summary and impact table should be added to the plans.
4. A substantial portion of the site is located within the upland review area. A review of the plan indicates there may be reasonable alternatives to reduce clearing, disturbance and/or proximity to the wetlands such as:
  - a. The garage could be shifted to the west, closer to the house.
  - b. The proposed pool could be shifted to the west, closer to the house and/or rotated 90 degrees.
  - c. The proposed utility shed could be shifted to the west or placed to the north of the pool.
  - d. Realigning the force main will reduce the required limits of clearing (less impact) and shorten the length of trench and pipe.
5. The plan proposes to construct a concrete and stone wall along the property line, including directly through inland wetlands. It is my opinion that sufficient detail is not provided on the plans or in the application for the Commission to evaluate potential impacts. The following should be provided:
  - a. Limit of clearing

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- b. Limit and area of temporary disturbance through the wetlands associated with construction and proposed restoration measures. Construct of this type of wall will require mechanical equipment for excavation/grading and wider access areas for vehicles/material delivery beyond the limits presented in the application (4' wide).
  - c. Limit and area of permanent disturbance associated with filling the wetlands, including the wall and adjacent areas graded for maintenance.
  - d. Topography within delineated wetlands to evaluate slope, stormwater runoff patterns, etc.
  - e. Erosion and sedimentation controls.
  - f. Evaluation of impacts by a wetland scientist with consideration of mitigation measures.
6. Based on the limited information provided in the application, it is my opinion that the proposed concrete and stone wall may be a significant activity impact as defined in the Regulations based on the following:
- a. The activity involves the deposition and removal of material directly in the wetlands.
  - b. The wall creates a solid barrier which could change the natural drainage patterns of the wetland by blocking stormwater runoff, either on the subject property or on abutting properties.
  - c. The wall creates a barrier that may diminish the capacity of the inland wetland to support wildlife or other biological life.
  - d. Without an adequate erosion and sedimentation control plan the work may cause substantial siltation or sedimentation in a wetland.
7. Information should be provided on the roof leader discharge from the proposed garage addition and the backwash for the proposed pool.

Should you have any questions, please don't hesitate to contact me at (860) 367-7264.

Sincerely,



Brandon Handfield, PE  
Civil Engineer