

**WILTON PUBLIC WORKS
DEPARTMENT**

(203) 563-0153



**TOWN HALL ANNEX
238 Danbury Road
Wilton, Connecticut 06897**

TO: Mike Conklin
Director of Environmental Affairs,

FROM: Frank Smeriglio, PE, *F.S.*
Assistant Director of Public Works/Town Engineer

DATE: Wednesday, December 09, 2020

RE: 105 Nod Hill Rd
WET #2663(s) Davis-Chen

This is written based on the review of design documents submitted to Public Works on November 12, 2020. The Department of Public Works reviewed the plans, the majority of storm runoff will flow towards the existing 24" pipe on Nod Hill Road. Therefore, the following items shall be addressed:

- 1) Please provide calculations for the existing and proposed time of concentration (t'c). It appears that the proposed t'c should not be slower than the existing t'c.
- 2) Please provide a basin map showing drainage areas and time of concentration path for existing and proposed conditions.
- 3) 2 catch basins, manhole and 15" HDPE pipe are proposed to be installed in the Town Right of Way for private driveway purposes. All shall be shifted back onto private property and not on Town Right of Way area.
- 4) It appears that based on the proposed slope of the driveway and proposed type of catch basin tops, the tops may not capture all of the storm runoff and will overflow into the road. Modifications shall be made (either add more cb's along the driveway and/or modify the types of cb tops near the road).
- 5) Drywells are proposed along the driveway with no calculations and/or test pits supporting the use. Engineer to address.

- 6) A proposed wall is shown on the uphill side of the driveway. Measures shall be included to capture ground water from behind the wall and discharge into the catch basin. This is to prevent potential groundwater flow into the road.
- 7) Prior to construction, a road opening permit/driveway permit is required.
- 8) Coordinate any proposed tree removal in the Town Right of Way with the Wilton's Tree Warden prior to removal.
- 9) Prior to the issuance of a certificate of occupancy, the design engineer shall provide a certification letter signed by a Professional Engineer licensed in the State of Connecticut indicating that all construction is completed in accordance with the design plans. A certified as-built drawing shall be submitted with the letter.

Based on the amount of items above, additional items may be required depending on the responses to the above. If you have any questions, please do not hesitate to call.