



Town of Coventry

Land Use Office – Wetlands

1712 Main Street • Coventry, CT 06238

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Date: February 7th, 2022

M. Gosselin

To: Jesse Clarke, Applicant/Owner

Re: 22-04W – Pucker Street Assessor No. R05313
Construct gravel driveway with a culvert to convey watercourse
Review Memorandum

The Inland Wetlands Agency (IWA) received your above referenced Regulated Activities Permit application at its January 26th, 2022 meeting and moved to place the application for further review at its February 23rd, 2022 regularly scheduled meeting. The application included a proposed site plan, a previously approved lot line modification plan of the whole parcel, and a memo. The application proposes:

1. Installation of a 30 LF. 18” Class 5 RCP Culvert with 1 ft. min. cover & flared ends
2. Construction of a ~480 LF. gravel driveway within the Upland Review Area
3. Disturbances
 - Wetland Area: 3,850 SF
 - Upland Review Area: 13,919 SF

The following are our comments:

- Submit a Wetlands Report by a Professional Wetlands/Soil Scientist. The Report at a minimum should include:
 - The entire field delineated wetlands associated with the wetlands crossing within your boundaries for the parcel.
 - Input on this wetland corridor being part of the headwaters of Thornton Brook. Include a mapping from the Town’s Aerial Photography that depicts the wetland corridor upstream (to South Street) and at least downstream to Cindy Drive.
 - Form and Function analysis of the wetland complex.
 - Wetland impacts of the activity both short term and long term – upstream and downstream.
 - Input on whether the proposed activity provides the least disturbance and/or appears to be the most feasible and prudent crossing.
- Submit a Hydraulic and Hydrology Report for the proposed culvert crossing.
- Plan should include how surface runoff to the crossing will be mitigated to eliminate sediment discharge from the gravel surface driveway. Consider other mitigation down gradient of culvert.
- Consider mitigation strategies for the loss of the wetlands.
- Depict the intermittent watercourse in relationship to the proposed culvert.
- Consider shifting driveway away from the Upland Review Area down at its intersection with Pucker Street. Depict more of the frontage (if not the entirety) to depict the surface discharge from the driveway onto the road. There is some cause for concern on the surface discharge across Pucker Street to the existing driveway across the street. Provide spot grades at the culvert crossing to better review the proposed inverts. Add more contour and spot elevations down gradient.

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- Depict the entire length of the upstream and downstream rip rap protection.
- A detailed construction sequencing plan will need to be provided on the plan set with proposed dewatering plans and details.
- Construction details need to be provided for all aspects of the culvert crossing.
- Depict any road side ditches that may exist along the frontage.
- Review the proposed grading as it appears as if you are providing a very flat longitudinal gradient (0.5 feet of slope in 150 feet or 0.35%) on the westerly side of the culvert crossing.
- The Wetlands Agency may want to see the potential build out for this parcel in conjunction with the proposed crossing to justify its need. The other wetlands complexes on the parcel should be sketched on an overall plan for that evaluation.

The application will be on the February 23, 2022 Regular Meeting Agenda. It would be helpful to have any responses to these comments and additional application materials submitted in writing prior to the meeting. Please note that additional comments may be required based on the responses. You can reach me at the contact information above.