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JUL 11 2022

Planning & Development  
Town of Waterford, CTTOWN OF WATERFORD  
Application for Inland Wetland / Watercourse Permit

## Type of Application:

Permitted Use, Section 4.1 \_\_\_\_\_

Unregulated Activities, Section 4.2 \_\_\_\_\_

Regulated Activities, Section 6 \_\_\_\_\_ Fee: \_\_\_\_\_

## Agency Use:

Date Received: 7-11-2022

Received By: \_\_\_\_\_

Application Number: C-22-6

|                                                                                                                                                                                                                                                                                                                                      |                                    |                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------|
| 1. Applicant: Department of Public Works                                                                                                                                                                                                                                                                                             |                                    | Phone: 860-444-5864          |
| Address: 15 Rope Ferry Road, Waterford                                                                                                                                                                                                                                                                                               |                                    | State: CT Zip: 06385         |
| Fax: 860-442-9037                                                                                                                                                                                                                                                                                                                    | E-Mail: gschneider@waterfordct.org |                              |
| 2. Owner: Town of Waterford                                                                                                                                                                                                                                                                                                          |                                    | Phone: 860-444-5864          |
| Address: 15 Rope Ferry Road, Waterford                                                                                                                                                                                                                                                                                               |                                    | State: CT Zip: 06385         |
| Fax: 860-442-9037                                                                                                                                                                                                                                                                                                                    | E-Mail: gschneider@waterfordct.org |                              |
| 3. Agent: Daniel Matheson                                                                                                                                                                                                                                                                                                            |                                    | Phone: 860-444-5864          |
| Address: 15 Rope Ferry Road, Waterford                                                                                                                                                                                                                                                                                               |                                    | State: CT Zip: 06385         |
| Fax: 860-442-9037                                                                                                                                                                                                                                                                                                                    | E-Mail: dmatheson@waterfordct.org  |                              |
| 4. Property Address: Town of Waterford, Gardiner Woods Road                                                                                                                                                                                                                                                                          |                                    |                              |
| 5. Abutting Property Owners – Complete Attached Form N/A                                                                                                                                                                                                                                                                             |                                    |                              |
| 6. Activity to be Reviewed and / or Licensed (attach sheet if necessary): Installation of 4 - 8" drainage pipes to alleviate roadway flooding, and raising of approximately 350 feet of Gardiner Woods Road to provide adequate cover on drainage pipes, which will result the side slopes of the new road being placed in wetlands. |                                    |                              |
| 7. Description of Proposed Activity (attach sheet if necessary): Install 4 - 8" HDPE cross culverts at low point on Gardiner Woods Road. Raise roadway elevation to provide required cover on pipes. Install metal beam guiderail for roadway safety. Roadway base material will encroach slightly into wetlands for 250' +/-.       |                                    |                              |
| 8. Purpose of Activity (attach sheet if necessary): Install drainage, reduce overtopping, improve safety.                                                                                                                                                                                                                            |                                    |                              |
| 9a. Acreage of Property: N/A                                                                                                                                                                                                                                                                                                         |                                    | 9b. Acreage of Wetlands: N/A |
| 10. Acreage of Wetlands Altered: 0.0212 ac                                                                                                                                                                                                                                                                                           |                                    |                              |
| 11. Wetland Mitigation Proposed: None                                                                                                                                                                                                                                                                                                |                                    |                              |
| 12. Section 7 and sections 8.1 & 8.2 of the Town of Waterford "Inland Wetlands and Watercourse Regulations" have been complied with: (Review attached check list) Yes: No:                                                                                                                                                           |                                    |                              |
| The applicant / owner hereby gives the Commission, its agent and consultants the right of free access to any part of the property under consideration. The undersigned warrants the truth of all statements contained herein and in all supporting documents according to the best of his / her knowledge, information and belief.   |                                    |                              |
| Applicant: [Signature]                                                                                                                                                                                                                                                                                                               |                                    | Date: 7/6/2022               |
| Owner: [Signature]                                                                                                                                                                                                                                                                                                                   |                                    | Date: 7/6/2022               |
| Agent: [Signature]                                                                                                                                                                                                                                                                                                                   |                                    | Date: 7/6/2022               |

FIFTEEN ROPE FERRY ROAD  
WATERFORD, CT 06385-2886



PHONE: 860-442-0553  
www.waterfordct.org

July 11, 2022

Waterford Conservation Commission  
15 Rope Ferry Road  
Waterford, CT 06385

RE: Gardiners Wood Road Drainage Installation

Dear Chairman Muckle:

The purpose of this application is to gain approval for the installation of 4 – 8 Inch diameter Pipes at the low point of the existing roadway. The pipes are being proposed to help alleviate roadway flooding at certain times of the year on Gardiners Wood Road.

The Public Works Department has recently replaced a deteriorated pipe causing some of the roadway flooding. The work was performed under our general permit (General Drainage System Maintenance and Emergency Repair Plan). We also plan to perform the work that was approved on Permit #C-19-02, installing 200 LF of curtain drain along the west side of the roadway. With the replaced pipe and additional proposed pipe the flooding issue should be corrected. The Department also has planned for the roadway to be reclaimed and repaved. Reclaiming the road will allow us to place adequate cover over the newly installed pipe and the proposed 8 inch pipes. This will also allow us to raise the elevation of the roadway for approximately 350 feet. By raising the roadway there may be a slight encroachment into the wetlands for approximately 250 feet. Once the roadway is completed Guardrail will be installed along the edge of road for roadway safety. Please refer to the enclosed plan.

All work will be conducted in Accordance with the Best Management Practices outlined in Permit #06-20, General Drainage System Maintenance and Emergency Repair Plan, for the Department of Public Works.

Sincerely,

Daniel Matheson,  
Assistant Director, Public Works Department

Cc: Gary Schneider- Director of Public Works  
Maureen Fitzgerald, Environmental Planner





PROPOSED ROAD RECONSTRUCTION PROJECT  
GARDINERS WOOD ROAD  
WATERFORD, CONNECTICUT

Inland Wetlands / Watercourse Commission Application, Item 12:

Describe measures incorporated in the plan to mitigate the wetlands impact associated with the proposed activity, including restoration, enhancement or creation of wetland areas.

*Reply: The roadway and guiderail design provides for only a 22' wide travel width, and raises the roadway only as necessary to provide the minimum 12" of soil cover needed to structurally protect the proposed storm drainage piping beneath the roadway.*

*Erosion and sediment control measures (compost filter tubes) will be installed and maintained throughout the duration of the project, to minimize impacts from construction to the existing wetlands and drainage ditches on each side of the roadway.*







Emergent wetland west side of road, area of overwash and patch is location of proposed 8 inch pipes. Orange cones mark culvert outlet.



Wetland swale west side of road south of 12 inch culvert. Proposed fill extends 6 ft from edge of existing pavement.





Wetland east side of road. Area of overwash is location of proposed 8 inch pipes. Proposed fill extends 6 ft. east from edge of existing pavement.