

MEMORANDUM

To: Conservation Commission/Inland Wetlands and Watercourses Agency

From: Suzanne Simone, Environmental Planner

Date: May 17, 2022

**Re: IWWA permit application for drainage improvements:
In the vicinity of 11 Ash Swamp Road**

Attachments

Application Forms
Soil Scientist Report
Site Plan

Proposal

The applicant seeks approval from the Inland Wetland and Watercourses Agency to improve drainage on Ash Swamp Road by piping an intermittent watercourse for approximately 280 feet. Existing culverts will be removed and new driveway aprons installed.

Review

The proposed work area bordering a town road is located in the Rural Residence Zone. The December 2021 soil scientist report identifies the swale on the north side of Ash Swamp as an intermittent stream. The proposed drainage improvement plan identifies the intermittent stream will be piped from the driveway of 11 Ash Swamp Road to the culvert at the eastern edge of the property.

The soil scientist report states the intermittent stream serves the function of transporting surface water. The function of conveying water will continue when the length of the area is piped underground and connected to existing piping.

State-Listed Species

The property is located within an identified area of interest in the December 2021 map edition of the Natural Diversity Database (NDDB). The area of interest incorporates the entirety of Roaring Brook, indicating the species is likely aquatic or aquatic dependent. An inquiry to the NDDB will provide guidance on any best management practices that may apply to this roadside work.

Erosion Controls

The erosion control methods identified in the plan are consistent with the 2002 CT Erosion and Sediment Guidelines.

May 4, 2022

MEMORANDUM

To: Suzanne Simone, Environmental Planner
Conservation Commission

From: Stephen Braun, Assistant Town Engineer



Re: Wetland Permit Application
Ash Swamp Road Drainage Improvements
PW-2122

Enclosed please find wetland permit application materials related to drainage improvements on Ash Swamp Road necessary to address a failed stone culvert in the vicinity of #11 Ash Swamp Road. The subject drainage system along Ash Swamp Road conveys stormwater from a 26-acre drainage area south east of the Ash Swamp Road / Weir Street intersection, including approximately 800 linear feet of Ash Swamp Road extending eastward from this intersection. Stormwater is conveyed through a roadside swale / intermittent watercourse along the south side of Ash Swamp Road and then under Ash Swamp Road through a 15-inch culvert located approximately 400 feet east of Weir Street. Stormwater then continues through a 150 foot-long section of roadside swale / intermittent watercourse on the north side of Ash Swamp Road and then into the failed stone culvert entrance located at the driveway to the barn on property of #11. The stone culvert joins to an existing 15-inch HDPE pipe in the vicinity of Weir Street, together spanning a total length of 250 feet, and discharges on the west side of Weir Street on property of #295 Weir Street.

The proposal includes the installation of a new manhole at the end of the existing 15-inch HDPE pipe in the vicinity of the Weir Street intersection and installation of approximately 290 feet of new 18-inch HDPE pipe terminating at a new catch basin on the north side of Ash Swamp Road in the vicinity of the outlet of the existing 15-inch culvert. The 15-inch culvert under Ash Swamp Road will be replaced with an 18-inch HDPE pipe extending from the proposed catch basin to a new DG Endwall inlet structure located on the south side of Ash Swamp Road. The existing 15-inch culvert and stone culvert will be removed, and the 150 foot-long roadside swale / intermittent watercourse filled in as part of this project.

As noted in the application, the roadside swale to be filled on the north side of the road was identified by a soil scientist as an intermittent watercourse with a sand substrate, no vegetation, and limited wetland function of groundwater discharge

and surface water transport. As noted in the project E&S narrative on the plans, the downstream watercourse and wetlands will be protected during construction by construction of the new drainage system offset and parallel to the existing system such that base flow can be conveyed through the existing pipe system until the new drainage system is operational.

The existing barn on the property of #11 was flooded multiple times last year due to problems with the existing stone culvert therefore the Town would like to make these improvements as soon as possible. Additional copies of these application materials can be provided at your request.

From: Richard Snarski
To: Stephen Braun
Subject: Fwd: From_BrotherDevice
Date: Thursday, December 2, 2021 5:31:21 AM
Attachments: 20211202045834_001.pdf

CAUTION: This email originated from outside the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Steve,

Attached is the wetland boundary field sketch for Ash Swamp Road. I delineated the intermittent watercourse and wetland boundary on December 1, 2021.

The roadside ditches classify as intermittent watercourses. Ground water seeps into the ditch which is marked with flags 1 through 8.

There is no vegetation in the ditches. The substrate in the ditches is sand.

The main wetland functions of the ditches is groundwater discharge and surface water transport.

I also delineated a wetland which is within 100 feet of the road ditches.

The wetland was delineated with flags which were numbered 21 through 26.

The wetland is wooded.

The dominant tree species in the wetland is Red Maple and Eastern White Pine.

Feel free to contact me if you have any questions.

Sincerely yours,

Richard Snarski

Registered Soil Scientist

Professional Wetland Scientist

Consulting Botanist

----- Forwarded message -----

From: <FromBrotherDevice@brother.com>

Date: Thu, Dec 2, 2021 at 4:58 AM

Subject: From BrotherDevice

To: <richsnarski@gmail.com>

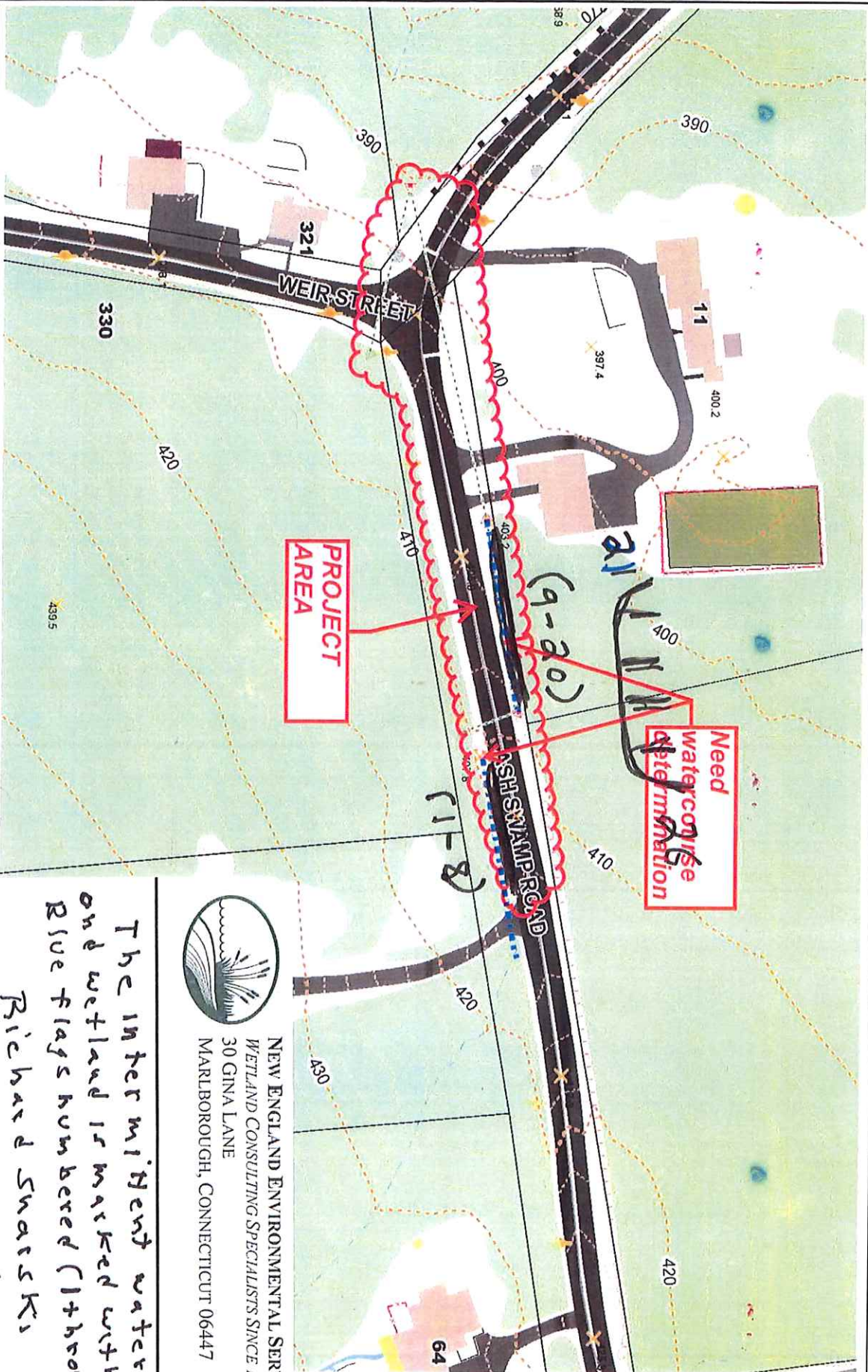
Image data has been attached.

This email was sent from a send-only address.

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Please consider the environment before printing a copy of this email.

Town of Glastonbury GIS



NAD_1983_StatePlane_Connecticut_FIPS_0600_Feet
 © Town of Glastonbury GIS

This map is a user generated and other data layers that are Glastonbury and the map



NEW ENGLAND ENVIRONMENTAL SERVICES
 WETLAND CONSULTING SPECIALISTS SINCE 1983
 30 GINA LANE
 MARLBOROUGH, CONNECTICUT 06447

The intermitent watercourse and wetland is marked with blue flags numbered (1 through 12).
 Richard Swarski
 Soil Scientist

1/2/11/2021

PART A:

- a: Town of Glastonbury
Attn: Daniel A. Pennington, P.E.- Town Engineer/Manager of Physical Services
- b: 2155 Main Street
Glastonbury, CT 06033
- c: 1-860-652-7735
- d: daniel.pennington@glastonbury-ct.gov
- e: Project is located within the Town right of way
- f: Town of Glastonbury
Attn: Daniel A. Pennington, P.E.- Town Engineer/Manager of Physical Services
- g: 2155 Main Street
Glastonbury, CT 06033
- h: 1-860-652-7735
- i: daniel.pennington@glastonbury-ct.gov
- j: Not Applicable- Applicant is the owner
- k: The total calculated area (in square feet) of wetlands and watercourses on the subject property: n/a
- l: The total calculated area (in square feet) of regulated area that would be disturbed by the proposed regulated activities: 739 S.F.
- m: Town project, no fees required.
- n: **Project Narrative:**
Project involves storm drainage improvements to replace a failing stone culvert across the frontage of #11 Ash Swamp Road and extending the drainage system to incorporate replacement of the existing cross culvert located approximately 400' east of the Weir Street intersection. The proposal also includes filling (approx. 82 C.Y.) and grading the roadside swale along the frontage of #11 which was identified by a soil scientist as an intermittent watercourse with limited wetland function. The roadside swale area to be eliminated by filling is marked with wetland flags 1 through 8 and was described as having no wetland vegetation and a sand substrate as outlined in the soil scientist report in Attachment F. Restoration of all disturbed areas shall receive topsoil and turf establishment. Erosion controls to be utilized shall include silt fence and silt sacs

installed in existing drainage structures which will be maintained on a regular basis until disturbed areas are stabilized.

o: See Attachment A

p: See Attachment B

q: See Attachment C

r: See Attachment C

s: Certification as to each of the following:

1. Is any portion of the wetland or watercourse (on which the regulated activity is proposed) located within 500 feet of the boundary of an adjoining municipality?

_____ Yes

___X___ No

2. Will traffic (attributable to either construction activities or to the completed project on the site) use streets within the adjoining municipality to enter or exit the site?

_____ Yes

___X___ No

3. Will sewer or water drainage from the project site flow through and affect the sewage or drainage system within the adjoining municipality?

_____ Yes

___X___ No

Name of Town:

4. Will water runoff from the improved site affect streets or other municipal or private property within the adjoining municipality?

_____ Yes

___X___ No

t: Not applicable

u: See Attachment D

v: See Attachment E

w: See Attachment F

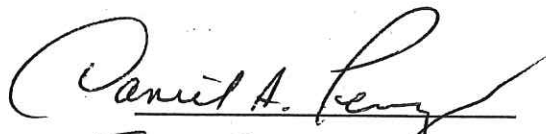
Certification by applicant:

By my (our) signature(s), I (we) hereby certify that:

- I: the applicant(s) is (are) familiar with all of the information provided in the application and is (are) aware of the penalties for obtaining a permit by deception or by inaccurate or misleading information; and
- li: the Agency members and their designated agents are authorized to inspect the property, at reasonable times, both before and after a final decision has been issued, and after completion of the project.

Signature(s) of Applicant (s):

Date:


TOWN ENGINEER

4/20/2022
