MEMORANDUM

To: Conservation Commission/Inland Wetlands and Watercourses Agency

From: Suzanne Simone, Environmental Planner

Date: August 11, 2022

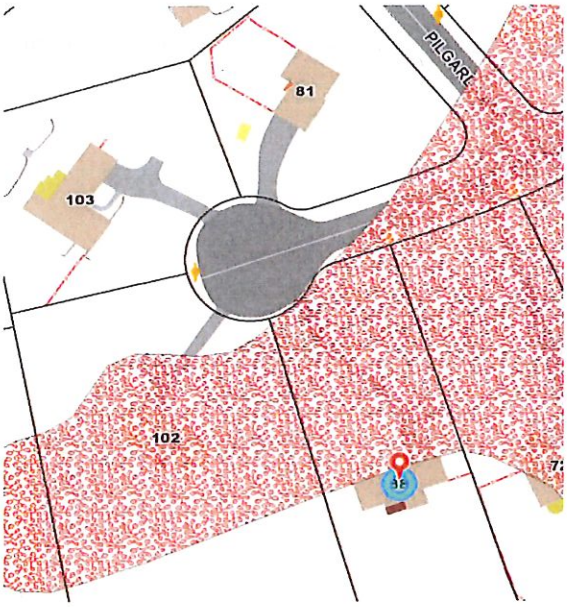
Re: IWWA permit application for sump pump pipe extension within a wetland soil and discharge into a watercourse: 88 Crescent Road

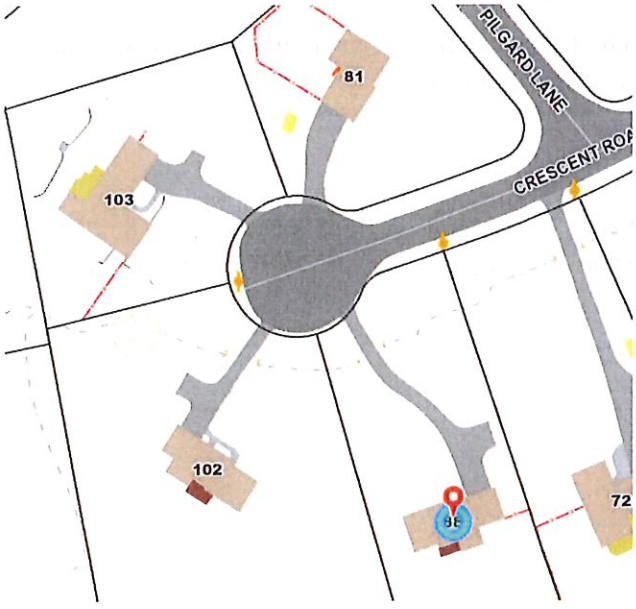
Attachments

Application narrative and map
Engineering Department comments, dated August 11, 2022

Proposal

The applicant seeks approval from the Inland Wetland and Watercourses Agency to extend a sump pump drainage pipe approximately 100 feet within a wetland soil area and discharge into a watercourse.





Review

The 1.57 acre property is located in the AA Zone. Wetland soils (shown in red, above left) occupy approximately one third of the northern portion of the property. Contained within the wetland soil area is a watercourse (shown in blue, above right) originating from the neighboring (west) open space and flowing along the frontage of Crescent Road for a distance of

approximately 111 linear feet. The proposed work area is located west of the existing driveway culvert crossing. The proposed work area is not located within a floodzone.

The lot was created in 1965, before the State adopted legislation enabling local inland wetland and watercourses regulations. The 1965 subdivision map lacks soils information, the town soil GIS layer provides guidance for the general extent of wetland soils. A visit to the property revealed the soil characteristics of the proposed work area are consistent with the presence of a wetland soil; it is therefore assumed the project is located within a wetland soil. The existing sump pump drain outlet is located within a wetland soil.

State-Listed Species

The property is not located within an identified area of interest in the June 2022 map edition of the Natural Diversity Database (NDDB). No further inquiry/action is required.

Erosion Controls

The application narrative identifies the work will be conducted in one day. The use of sediment and erosion control fencing is not necessary during active site work. The application narrative states that bare soil in the area of the newly installed pipe will be secured with seed and straw. The potential for erosion of the stream bank is reduced by the proposed action of cutting out 'sod bricks' and replanting them once the pipe installation is complete.

The placement of large flat rocks to be used as splash pads will reduce scour and erosion of the stream channel when the sump pump outlet discharges into the waterway.

The Engineering Department has reviewed the application and has not identified any concerns or recommendations.

Date of Application Receipt: August 18, 2022
Date Eligible for Action/Decision: September 1, 2022

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280 West Street
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Septic Installers Lic. #5699

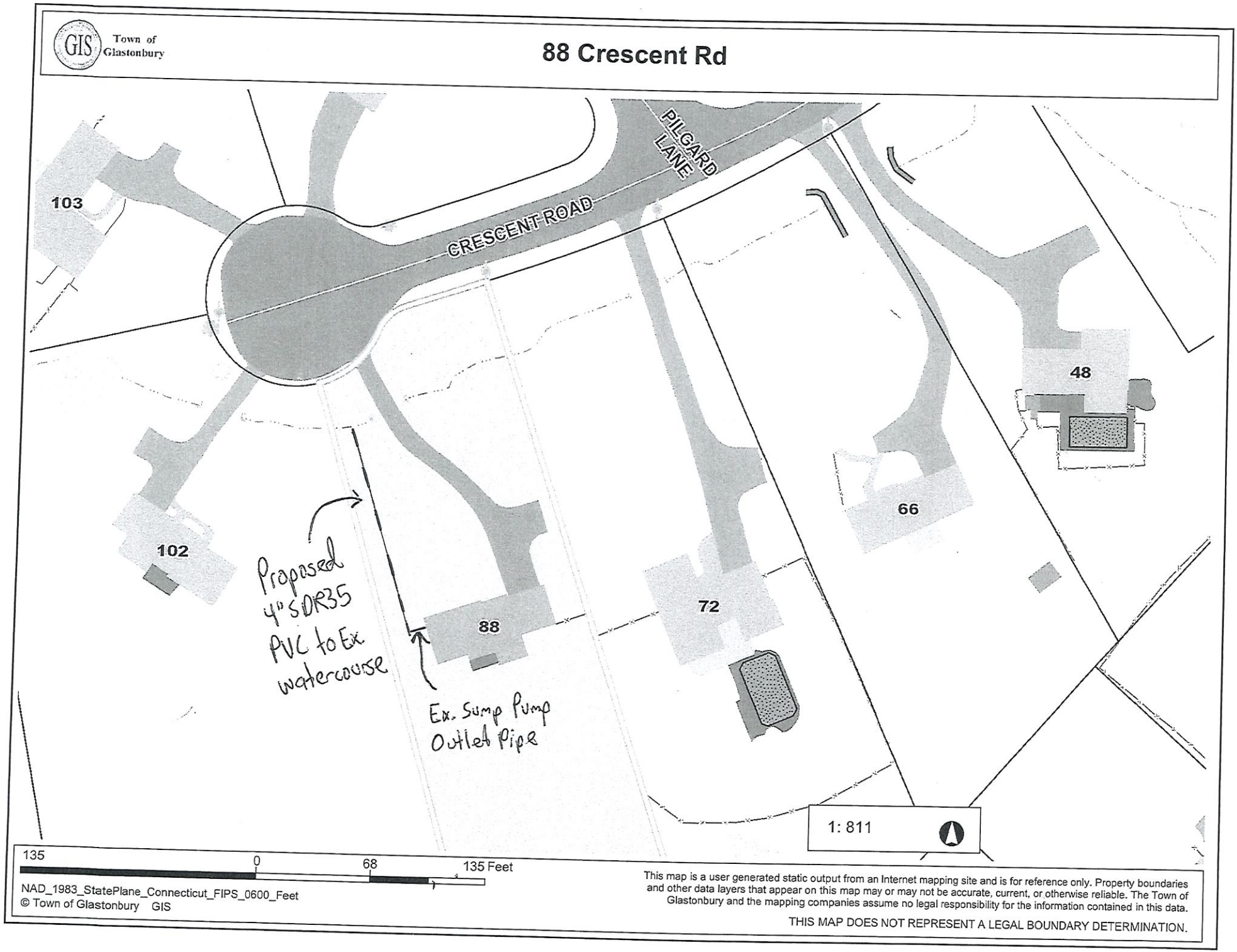
August 7, 2022

Town of Glastonbury
Wetlands Commission

We propose to install a 4" SDR35 PVC sewer pipe with fixed gaskets from the end of the existing sump pump outlet, which is on the right front house corner, and install the pipe across the front lawn to open air in the existing water course in the front yard(see plan).
We intend to trench across the lawn area using a 1' wide bucket mounted on my compact track excavator, the trench will be approximately 2' deep. We will access the work area using 3/4" plywood placed under the machine to minimize any additional lawn disturbance. Once we reach the top of the slope of the water course we will hand dig, one shovel width wide, and save the vegetation by carefully shoveling it like sod and flipping it over to be replaced immediately after the pipe is installed and backfilled. The material excavated inside of the water course to install the pipe will be either placed on a tarp adjacent to the hand dug trench or transferred out of the water course until we backfill and compact. This will minimize disturbance in the water course and eliminate the need to germinate seed in that area. We will place some large flat rocks below the outlet of the pipe to act as a level spreader to absorb the energy of the water and prevent scouring, if necessary we will hand dig under the spreader to be sure the stones won't be an obstruction to the flow in the water course. The trench in the lawn area will be backfilled with the native soil, tamped, graded flat, top dressed with screened top soil, fine raked, seeded, fertilized, and mulched with straw .
We intend to complete this job in one work day.

Please let me know if you have any questions or concerns.

Thank you,
Tim


GIS
Town of Glastonbury
88 Crescent Rd
PILGARD LANE
CRESCENT ROAD
103
102
88
72
66
48
Proposed 4" SDR35 PVC to Ex watercourse
Ex. Sump Pump Outlet Pipe
1: 811
135
0
68
135 Feet
NAD_1983_StatePlane_Connecticut_FIPS_0600_Feet
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This map is a user generated static output from an Internet mapping site and is for reference only. Property boundaries and other data layers that appear on this map may or may not be accurate, current, or otherwise reliable. The Town of Glastonbury and the mapping companies assume no legal responsibility for the information contained in this data.
THIS MAP DOES NOT REPRESENT A LEGAL BOUNDARY DETERMINATION.

August 11, 2022

MEMORANDUM

To: Suzanne Simone, Environmental Planner

From: Daniel A. Pennington, Town Engineer/Manager of Physical Services

Re: 88 Crescent Road – Inland Wetlands Permit Application

The Engineering Division has reviewed plans for the above-referenced inland wetlands permit application regarding a sump pump drain pipe extension and has no comments or concerns.

DAP/dl