

November 15, 2021

MEMORANDUM

FORMAL ACTION MEETING OF 11-18-21

To: Conservation Commission/Inland Wetlands and Watercourses Agency

From: Tom Mocko

Re: Application of the Town of Glastonbury for an inland wetlands and watercourses permit for the installation of a 12-inch diameter culvert between existing ponds located at 407 Ash Swamp Road (Roger & Marlene Zola) and 133 Penwood Crossing (Muhammad Abbas & Maira Rahman) – Rural Residence Zone & Groundwater Protection (overlay) Zone 1 – Daniel A. Pennington, Town Engineer

PROPOSAL: To mitigate a situation where construction activities associated with the Tyler Subdivision Phases II & III (constructed by developer Toll Brothers of Connecticut) have allegedly led to significantly reduced surface water elevations at a 0.4-acre private pond (constructed prior to 1998) located at 407 Ash Swamp Road (Roger & Marlene Zola, residents and landowners); the proposed mitigation subject to this application involves the excavation of a trench between an existing stormwater detention basin/pond at 133 Penwood Crossing and the Zolas' pond at 407 Ash Swamp Road in order to install a 35-foot length of 12-inch diameter plastic pipe and place intermediate riprap at both ends of the proposed pipe. The proposed pipe serves to direct some of the flows from the detention pond (when its water surface elevation reaches or exceeds 475.5 feet in elevation) into the Zolas' pond.

REVIEW: The purpose of this project is to address a complaint from Mr. Zola of receding water levels in the pond on his property by installing a culvert to convey stormwater from the existing stormwater detention pond owned and maintained by the Town of Glastonbury and located in a drainage easement on the #133 Penwood Crossing property to the east. This will involve installation of 35 linear feet of a 12" diameter culvert with intermediate riprap inlet/outlet protection between the two ponds. The proposed project will have a direct wetland impact of approximately 300 square feet and approximately 900 square feet of impact in the 100 foot upland review area.

The entire project area is also encumbered by private conservation easements that were previously disturbed.

The Town has a drainage easement over the eastern portion of the project area where an existing detention pond exists. The western portion of the project area is on property owned by Roger and Marlene Zola at whose request this project is being initiated. Their letter of consent to the project is included with this application.

The project will be performed during summer weather and low flow conditions to minimize the potential for sedimentation of the existing ponds. Intermediate riprap inlet/outlet protection is proposed for long term erosion protection at the culvert ends. Staked hay bales and/or silt fence will be installed on either end of the culvert construction limits to impede soil migration during construction. All disturbed areas be loamed and seeded with New England Conservation Mix after construction is completed. This remedial project will be performed under the inspection duties of an Engineering Department inspector.

The subject area was studied in detail as part of the Tyler Subdivision Phase 2/3 and wetland flagging from the time of the subdivision approval is depicted on the project plans. A portion of the proposed 12-inch diameter culvert and inlet protection will be located with the flagged wetland limits shown on the attached site plan. The remaining work required will be located in the 100-foot upland review area. The soil types at the site location are Manchester gravelly sandy loam (37C) and Udorthents-Pits complex (305).

No alternative was pursued for this application. This project was initiated to resolve a complaint from Mr. Zola that the water level in his pond had receded after construction of the Tyler Open Space Subdivision was completed. A meeting was held at the project site with the Developer, Design Engineer, and Town Engineer to determine the most feasible way to resolve the issue while minimizing impact to abutting wetland areas. The proposed culvert between the two ponds, with riprap inlet and outlet projection, was determined to be the most prudent means of resolving the issue.

The location of this proposal was staked and flagged on the land. It is best to view this staking and flagging from the Zola property.

TM:gfm

DRAFT MOTION FOR A WETLANDS PERMIT

MOVED, that the Inland Wetlands and Watercourses Agency grants an inland wetlands and watercourses permit to the Town of Glastonbury for the installation of 35 linear feet of pipe culvert, along with the placement of riprap, at 407 Ash Swamp Road and 133 Penwood Crossing in accordance with the plan on file in the Office of Community Development, and in compliance with the following conditions:

1. An Engineering Inspector from the Town's Engineering Department shall be present during the installation to assure that this remedial project is installed as designed.
2. Installation of soil erosion and sedimentation control and stabilization measures shall be the Permittee's responsibility. Once installed these measures shall then be inspected by the Environmental Planner prior to land disturbance activities. Afterwards it then shall be the Permittee's responsibility to inspect these control measures during, and immediately following, substantial storm events and maintain and/or replace the control measures, when needed, on a regular basis until the site is vegetatively stabilized. Hay bales shall be replaced every 60 days. The Environmental Planner is hereby authorized to require additional soil erosion and sediment controls and stabilization measures to address situations that arise on the site.