

STAFF REPORT

**TPZ RECOMMENDATION: AGENDA ITEM II.2
DECEMBER 7, 2023 MEETING**

To: Conservation Commission/**Inland Wetlands and Watercourses Agency**

Date: November 30, 2023

**Re: IWWA Permit Application: Irrigation Pond Outlet Structure Modification
150 Chatham Hill Rd**

Documents for Review:

IWWA Permit Application

Survey Plan, Dated November 22, 2023

Irrigation Pond Outlet Repair Plan, Dated November 21, 2023

Engineering Department Comments, Dated November 30, 2023

Proposal

The applicant seeks a permit to modify the existing farm irrigation pond outlet, by encasing the existing pipe with concrete and associated dewatering during the proposed work.

Review

Site Description

The property is approximately 14.46 acres within the Rural Residence Zone. A portion of the property is encumbered by a conservation easement. The property contains wetland soils and a watercourse.

State-Listed Species

The property is not identified as an area of interest in the June 2023 edition of the Natural Diversity Database. No further action is required.

Soils and Erosion Control

The plan calls for the pond to be dewatered at a lower elevation than the work area. The existing soil and rip rap is proposed to be removed to access the horizontal portion of the plastic pipe and encase it in concrete. The potential for erosion and sedimentation is dependent upon the weather conditions during and after the conduct of work.