

Narrative

For:

**8 New Towne Drive
Hingham, MA**

Prepared For:

Shawn P. Hardy

Prepared By:



1285 Washington Street Weymouth, MA 02189

December 19, 2024

The purpose of this report is to supplement the Application for Notice of Intent Pursuant to the Hingham MA Wetland Projection Act and Hingham Wetland Projection Bylaw.

Existing Site Conditions

The existing site is an approximately 51,305 SF parcel of land with an existing single-family residence, rear yard grass/plantings, and fire pit.

Stormwater control on the site includes series of five plastic leaching chambers and the topography generally directs stormwater flow southeasterly towards wetland area.

According to online research from the USDA Natural Resource Conservation Service's National Cooperative Soil Survey, the onsite soil consists of Chatfield-rock. Soils are classified as Hydrologic Soil Group B with groundwater about more than 80 inches below the surface.

There is a wetland area within the property. The wetland line shown on plans was flagged by Ken Thomson and located by Hoyt Land Surveying in December of 2024.

Proposed Conditions

The applicant proposes to construct a new swimming pool addition at the rear of the single-family residence. Additionally, a proposed bluestone pool deck, fence, shade pavilion, mitigation plantings and a reinforced retaining wall will be constructed. The existing drainage structures will be reused and the existing row of pine in the 50' to 100' zone is to be removed, and substantial landscaping is included to mitigate the altered area.

The following table depicts the permanent and temporary disturbed areas in the buffer zones and the vegetation that is to be removed.

Buffer Zone	Perm. Disturbed Area	Temp. Disturbed Area	Trees to be Removed	Trees to be Planted
0'-50'	N/A	494 SF	N/A	3 Juniperus Virginiana Atlantic White Cedar
50'-100'	4241 SF	337 SF	5 Pine	2 Juniperus Virginiana Atlantic White Cedar

Erosion and Sedimentation Control Measures

Erosion control measures to be employed include a staked "Filter Sock" erosion control barrier as depicted in the site plan. The barrier shall be inspected daily and be kept in place until such a time that disturbed areas are re-vegetated or otherwise stabilized and are no longer a potential source of siltation.

Conclusion

Due to the reuse of the existing drainage system and the installation of the permeable pavers, no additional stormwater management system is required to reduce the stormwater runoff rate and volume.