

PROJECT NARRATIVE

4 Cliff Estates Road

Scituate, MA

1.0 Project Summary

The project proposes to extend the existing gravel driveway and install a 2' wide by 2' deep crushed stone trench and boulder retaining wall at 4 Cliff Estates Road, Scituate, MA. The total disturbance area is 285 square feet +/- . The property is shown as Scituate Assessors Parcel 8-7-4C and is approximately 0.47 acres. The property has frontage on Cliff Estates Road to the south and is abutted by developed residentially zoned properties to the east and west, and a salt marsh to the north.

The existing property is developed with a single family dwelling constructed circa 1984. The property slopes in a northerly direction towards the on-site salt marsh.

The runoff from the existing gravel driveway currently discharges directly to the salt marsh without any treatment. The proposed crushed stone trench will capture this runoff from the proposed as well as existing gravel driveway. The proposed extension of the driveway shall also make turning around in a vehicle more functional than what currently exists.

The site does not contain any areas designated as estimated or priority endangered species habitat or certified vernal pools.

2.0 Wetland Resource Areas & Impacts

Salt Marsh (310 CMR 10.55)

The boundaries of the salt marsh were delineated by Brad Holmes, P.W.S. of Environmental Consulting & Restoration, LLC. Vegetation, soils and hydrologic indicators were used to establish the wetland boundary. Numbered sequences of flags 1-9 were tied in the field to delineate the limits of the wetland resource area.

No alteration of this wetland resource area is proposed with this project. The proposed crushed stone trench will capture runoff that is currently untreated and draining to the saltmarsh.

Land Subject to Coastal Storm Flowage

The proposed project lies entirely within a FEMA flood zone "AE" (EL. 15). Land subject to coastal storm flowage per section 310 CMR 10.04 is defined as "land subject to any inundation caused by coastal storms up to and including that caused by the 100-year storm, surge of record or storm of record, whichever is greater.

3.0 Construction Phase Mitigating Measures

The following are mitigating measures that will be employed to ensure that impacts to wetland interests protected under the Wetlands Protection Act are minimized to the extent possible.

Erosion and Sedimentation Control

The potential for temporary impacts to wetlands due to erosion and migration of will be mitigated by adherence to basic erosion control practices. These include:

1. Install staked 12" diameter straw wattles and/or silt fence at the upland edge of the limit of work as shown on the Plan to Accompany Notice of Intent. This erosion control barrier shall be installed prior to earthwork at the site. An additional stockpile of siltation fence, and stakes will be stored on site for use in repairing the erosion control barrier as needed. Inspections of the erosion control barrier shall be made weekly and after all significant rainfall events.
2. Clearly define the limits of work in the field in order to minimize the extent of clearing and soil disturbance.