



Natural Resource Services, Inc.

Environmental Management
OCT 27 2023
Office of Water Resources

October 26, 2023

Charles Horbert, Deputy Administrator
DEM, Office of Water Resources
235 Promenade Street
Providence, RI 02908

RE: Request for Regulatory Applicability
Hemlock Drive Culvert Replacement
Hidden Shores Homeowners Association
Burrillville, Rhode Island

Dear Mr. Horbert:

Natural Resource Services, Inc. (NRS) has been retained by the Hidden Shores Homeowners Association to assist with the preparation and submission of this Request for Regulatory Applicability. The Association needs to replace a 12-inch clay culvert pipe beneath Hemlock Drive. The clay pipe has collapsed and water now backs up on the southeast side of the gravel road. The pipe is 20 feet long and is supported on each side of the roadway by dry-stacked field stone headwalls.

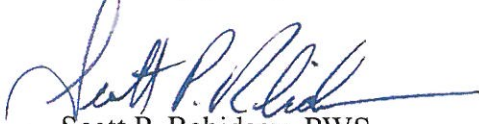
The Hidden Shores Homeowners Association received a freshwater wetlands permit from the Department on August 9, 2007 (DEM No. 07-0279). The permit authorized the installation of a PVC sanitary sewer force main to service all of the homes within the property. The plans reviewed by the DEM depict the 12-inch culvert to be replaced. I am enclosing a full sized-copy of an as-built plan with the culvert location highlighted. Per this plan, the sewer force main is 18 inches below the culvert invert elevation.

The contractor shall install a haybale check dam at the outlet of the culvert prior to any activity. The field stone headwall shall be removed and the area excavated to reach the collapsed culvert. A 12-inch ADP or concrete pipe shall be set at the same invert elevation of the inlet. The slope of the culvert to the outlet shall also be maintained. The field stone headwalls shall be rebuilt and the area backfilled with gravel. The haybale check dam shall remain in place until the road base is stabilized.

Section 3.6.3(A)(2) allows for the replacement of functional drainage structures of 50 feet or less provided that the same slope is maintained as well as the same invert elevation. Both of these conditions shall be met.

Please do not hesitate to contact me if you require any additional information.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Scott P. Rabideau", with a long horizontal flourish extending to the right.

Scott P. Rabideau, PWS
Principal

Enclosures

cc: Scott George, President
Hidden Shores Homeowners Association



Field stone headwall along Hemlock Drive



Collapsed clay culvert pipe under Hemlock Drive

RI Environmental Council
OCT 27 2023
City of Bristol



FOR ILLUSTRATIVE PURPOSES ONLY
NOT A SURVEY PLAN
RI State, 37 Towns

USDA Soil Survey Map
Hemlock Dr
A.P. 245, Lot 26


Burrillville, RI

 Approximate Site Location

 Feet
0 100 200 400

OCT 27 2023



 Spring 2023 aerial
RI DEM Mapping
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180 Tinton Ave
Providence, RI 02902
p. (401) 862 7300
(c) RIGIS