

**REQUEST FOR DETERMINATION
OF APPLICABILITY**

**Under the Massachusetts Wetland Act
Activities in the Buffer Zone, Policy 99-1
Relative to the Proposed
Septic System Upgrade**

Located at:

**409 South Street
Avon, MA 02322
Assessor Map B2, Block 5, Lot 22**

Prepared for:

**Robert Henderson
39 Ridge Road
Foxborough, MA 02035**

Prepared by:

**Collins Civil Engineering Group, Inc.
225 South Main Street
West Bridgewater, MA 02379**



January 18, 2022

Project #21-242-3441

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OF APPLICABILITY
409 South Street
Avon, MA 02322**

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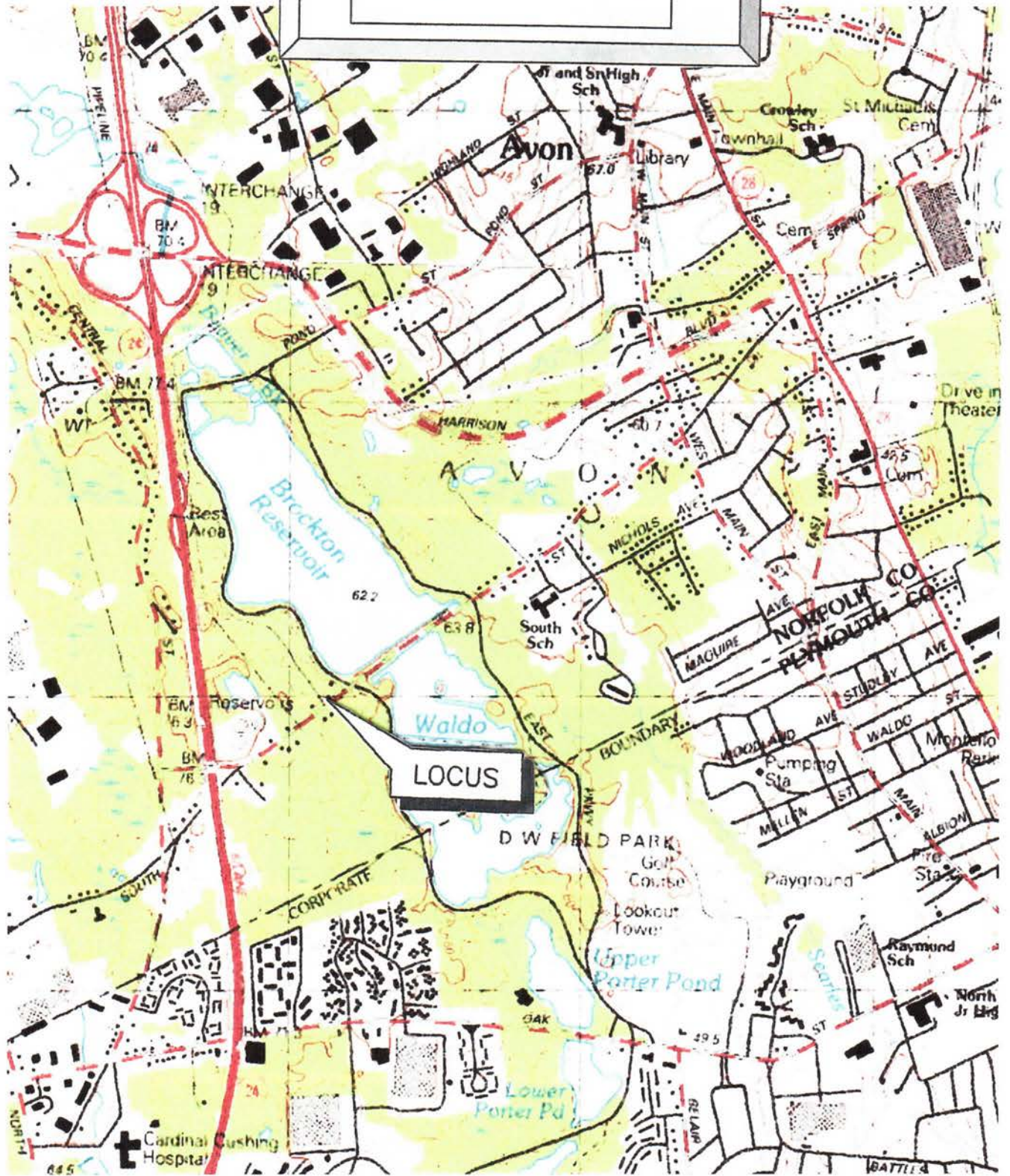
NARRATIVE

This Request for Determination of Applicability (RDA) has been submitted for the referenced site for the proposed upgrade of a residential septic system. Included in this RDA is a plan entitled "Plan and Details Subsurface Sewage Disposal System Upgrade", prepared by Collins Civil Engineering Group, Inc. dated 12-27-21. It should be noted that the wetland resource delineation was performed by Brook Monroe, Environmental Scientist, based on site topography, vegetation and soil conditions.

As indicated on the referenced plan, the proposed work limit will be 45', and proposed leaching bed and septic tank will be 55' and 80' respectively, from the wetland resource area. An 8" straw wattle with filter fabric laid under is proposed around the construction area. As stated on septic design plans, the erosion control will be erected prior to commencing any work and will remain in place until any disturbed areas have been stabilized. The proposed erosion control in this site-specific application will be highly effective in protecting the wetland resource area from all short-and long-term activities associated with this project.

A representative from Collins Civil Engineering Group, Inc. will be available at the scheduled Conservation Commission meeting (TBA) associated with this project to address any concerns that the Commission may have.

FIGURE 1 - SITE LOCUS



409 South St.

FIGURE 2 – Estimated Habitats of Rare Wildlife and Certified Vernal Pools and Priority Habitat or Rare Species

- NHESP Priority Habitats of Rare Species
- NHESP Estimated Habitats of Rare Wildlife
- NHESP Certified Vernal Pools
- Property Tax Parcels



National Flood Hazard Layer FIRMette



71°3'34"W 42°6'55"N



71°07'56"W 42°06'29"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, A99
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS

- NO SCREEN
- Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone I*

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

- Digital Data Available
- No Digital Data Available
- Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/10/2022 at 2:25 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

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ATTACHMENT A

WPA Form 1



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. General Information

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Applicant:
- ROBERT HENDERSON
Name
39 RIDGE ROAD
Mailing Address
FOXBOROUGH
City/Town
617-413-3192
Phone Number
- RHENDER48@ICLOUD.COM
E-Mail Address
- MA
State
- 02035
Zip Code
- Fax Number (if applicable)
2. Representative (if any):
- COLLINS CIVIL ENGINEERING GROUP, INC.
Firm
GEORGE R. COLLINS, P.E.
Contact Name
225 SOUTH MAIN STREET
Mailing Address
WEST BRIDGEWATER
City/Town
508-580-2332
Phone Number
- GRCPE@AOL.COM
E-Mail Address
- MA
State
- 02379
Zip Code
- 508-580-8336
Fax Number (if applicable)

B. Determinations

1. I request the AVON
Conservation Commission make the following determination(s). Check any that apply:
- a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:
- AVON
Name of Municipality
- e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).



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C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

409 SOUTH STREET

Street Address

B2-5

Assessors Map/Plat Number

AVON

City/Town

LOT 22

Parcel/Lot Number

- b. Area Description (use additional paper, if necessary):

EXISTING SINGLE FAMILY RESIDENT, GRASSED, AND PAVED, 11,679 S.F. LOT WITH A BORDERING VEGETATED WETLAND (BVW) TO THE NORTH.

- c. Plan and/or Map Reference(s):

PLAN AND DETAILS SUBSURFACE SEWAGE DISPOSAL SYSTEM
UPGRADE

Title

Title

12/27/21

Date

Date

Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

INSTALL NEW 1,500 GALLON 2-COMPARTMENT SEPTIC TANK, DISTRIBUTION BOX, AND 14.2' X 25.1' LEACHING BED.



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- Single family house on a lot recorded on or before 8/1/96
- Single family house on a lot recorded after 8/1/96
- Expansion of an existing structure on a lot recorded after 8/1/96
- Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
- New agriculture or aquaculture project
- Public project where funds were appropriated prior to 8/7/96
- Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- Residential subdivision; institutional, industrial, or commercial project
- Municipal project
- District, county, state, or federal government project
- Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

ROBERT HENDERSON

Name

39 RIDGE ROAD

Mailing Address

FOXBOROUGH

City/Town

MA


State

02035


Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.


Signature of Applicant

January 18, 2022
Date


Signature of Representative (if any)

1-18-22
Date

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ATTACHMENT B

Copy of Town Check

SECURITY FEATURES INCLUDE TRUE WATERMARK PAPER, HEAT SENSITIVE ICON AND FOIL HOLOGRAM

3535

COASTAL HERITAGE BANK

COLLINS CIVIL ENGINEERING GROUP INC.
225 S MAIN ST
W BRIDGEWATER, MA 02379
508-580-2332

53-7149/2113
CHECK NUMBER

1/18/2022

PAY TO THE
ORDER OF

Town of Avon

\$ **50.00

Fifty and 00/100*****

DOLLARS

Town of Avon
65 East Main St.
Avon, MA 02322

MEMO

RDA Fee 409 South St



[Handwritten Signature]
AUTHORIZED SIGNATURE

⑈003535⑈ ⑆21371492⑆

Details on Back Security Features Included

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ATTACHMENT C

Wetland Report

PINEBROOK



CONSULTING

December 29, 2021

COLLINS CIVIL ENGINEERING GROUP
225 South Main Street
West Bridgewater, Massachusetts 02379
Attention: George Collins, P.E.

RE: Wetland Delineation on Property #409 South Street
Avon, Massachusetts

Dear George:

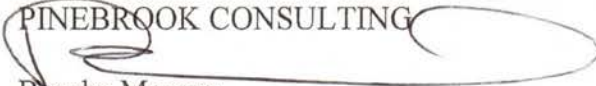
On November 26, 2021; at your request and in preparation for a septic upgrade; I visited the above-referenced property (referred to as the site) to delineate the boundary of the resource area on/off the site. The resource area; defined under the Massachusetts Wetlands Protection Act Regulations (310 CMR 10.00) and the Town of Avon Wetlands Protection By-law as bordering vegetated wetlands (BVW); are located on/off the rear of the site and off the site; adjacent to the Pond; located to the side of #401 South Street; and are identified with flags labeled WF-1 thru WF-10 and WFA- thru WFA-6. The BVW's are fairly well-defined by the presence of plant species such as: red maple (*Acer rubrum*), sassafras (*Sassafras albidum*), white oak (*Quercus alba*) and tupelo (*Nyssa sylvatica*) saplings/trees; sweet pepperbush (*Clethra alnifolia*), common buckthorn (*Rhamnus frangula*), highbush blueberry (*Vaccinium corymbosum*), arrow-wood (*Viburnum dentatum*), bittersweet (*Celastrus orbiculata*) and green brier (*Smilax glauca*) in the shrub/vine layer; and sensitive fern (*Onoclea sensibilis*), royal fern (*Osmunda regalis*), dewberry (*Rubus hispidus*) and hayscented fern (*Dennstadtia punctilobula*) in the herbaceous layer. The BVW's also exhibit hydrological indicators such as buttressed roots and saturated soils.

According to the most recent Massachusetts Natural Heritage Atlas (14th Edition, August 1, 2017), the site is not mapped within priority and/or estimated habitat for rare wildlife/species and there are no vernal pools in the vicinity of the site.

If you have any questions regarding this delineation and/or you need additional information, please feel free to call me at any time. I am glad I could assist you with this project, and let me know if you need any help in the future.

Sincerely,

PINEBROOK CONSULTING


Brooke Monroe
Environmental Scientist

310 Sandwich Street • Plymouth, MA 02360 • 508-746-2386