

Massachusetts Department of Environmental Protection
Bureau of Water Resources - Wetlands

WPA Form 1- Request for Determination of Applicability Hingham
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40 Municipality

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:
Maura and Justin
First Name Silverio
Last Name
200 Cushing Street
Address
Hingham MA 02043
City/Town State Zip Code
617-306-3877
Phone Number
mksilverio@hotmail.com
Email Address

2. Property Owner (if different from Applicant):

First Name Last Name
Address
City/Town State Zip Code
Phone Number Email Address (if known)

3. Representative (if any)

Colin
First Name
McSweeney Associates
Company Name
745 Winter Street
Address
Hanson MA 02341
City/Town State Zip Code
781-570-9381
Phone Number
colin@mcsweeneyinc.com
Email Address (if known)

B. Project Description

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

200 Cushing Street
Street Address
42.20036
Latitude (Decimal Degrees Format with 5 digits after decimal
e.g. XX.XXXXX)
156
Assessors' Map Number
Hingham
City/Town
-70.89917
Longitude (Decimal Degrees Format with 5 digits after
decimal e.g. -XX.XXXXX)
13
Assessors' Lot/Parcel Number

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

Pre-existing 3 Bedroom dwelling on lot.

c. Plan and/or Map Reference(s): (use additional paper if necessary)

Proposed Septic System 200 Cushing Street Hingham, MA
Title
08/12/26
Date
Title
Date

[How to find Latitude
and Longitude](#)

[and how to convert
to decimal degrees](#)



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Municipality

B. Project Description (cont.)

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

The proposed system consists of a Singular TNT 500 Treatment Tank, a precast concrete distribution box, and a GeoMat Leaching System soil absorption system. Note that the GeoMat Leaching system under its remedial use permit is considered an alternative SAS with treatment. The new tank and GeoMat Leaching System will be located outside the 50-foot Wetland Buffer. However, due to the proximity of the house to the wetlands, the piping running from the house to the new tank will fall within the 50-foot Wetland Buffer. Additionally, we are proposing to remove three trees, measured at diameter at breast height (DBH), as follows: a 4" Maple, a 10" Pine, and a 5" Pine

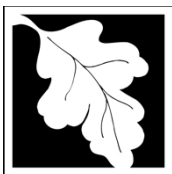
- b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

New system all outside the 50' Wetland Buffer

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.)



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Municipality

C. Determinations

1. I request the Hingham make the following determination(s). Check any that apply:
Conservation Commission

- ☒ a. whether the **area** depicted on plan(s) and/or map(s) referenced above 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 above are accurately delineated.
- ☒ c. whether the **Activities** depicted on plan(s) referenced above is subject to the Wetlands Protection Act and its regulations.
- ☒ d. whether the area and/or Activities depicted on plan(s) referenced above is subject to the jurisdiction of any **municipal wetlands' ordinance** or **bylaw** of:

Hingham

Name of Municipality

- ☐ e. whether the following **scope of alternatives** is adequate for Activities in the Riverfront Area as depicted on referenced plan(s).

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.

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

Date

Signature of Representative (if any)

Date



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Municipality

C. Determinations

1. I request the Hingham Conservation Commission make the following determination(s). Check any that apply:

- ☒ a. whether the **area** depicted on plan(s) and/or map(s) referenced above 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 above are accurately delineated.
- ☒ c. whether the **Activities** depicted on plan(s) referenced above is subject to the Wetlands Protection Act and its regulations.
- ☒ d. whether the area and/or Activities depicted on plan(s) referenced above is subject to the jurisdiction of any **municipal wetlands' ordinance or bylaw** of:

Hingham

Name of Municipality

- ☐ e. whether the following **scope of alternatives** is adequate for Activities in the Riverfront Area as depicted on referenced plan(s).

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.

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.

Maura Shuman/Gary Shuman
Signature of Applicant

8/26/26
Date

G. Car M...
Signature of Representative (if any)

8/26/26
Date

McSWEENEY ASSOCIATES, INC.

745 WINTER ST. 781-826-4571
HANSON, MA 02341

9131

53-447/113
922

DATE 8/26/2026

CHECK ARMOR
FRAUD PROTECTION

PAY
TO THE
ORDER OF

Team of Hughes

\$ 50.00

Fifty and 00/100

DOLLARS

Photo
Safe
Deposit®
Details on back

ROCKLAND TRUST

FOR

RDA - 200 Cushing St.

Terence M. Sweeney

MP



Colin McSweeney

Environmental Scientist

200 Cushing Street Hingham, MA

Site Details:

The site is located at 200 Cushing Street, Hingham, Massachusetts (Hingham Assessors Map 156, Lot 13).

A bordering vegetated wetland (BVW), shown on Hingham GIS as a Wooded Swamp Deciduous, is located along the north side of the property and wraps around to the west portion of the lot. The BVW boundary was field-delineated by Colin McSweeney in August of 2026 and is shown on the accompanying site plan by wetland flags A1-A8. Along with that a Zone X's location was taken off MassGIS. The wetland was delineated under the methodology established under the Massachusetts Department of Environmental Protection regulations found at 310 CMR 10.55 pertaining to the delineation of Bordering Vegetated Wetlands.

Project Description:

The proposed project consists of installing a new SAS to serve a three-bedroom dwelling, as designed by McSweeney Associates, Inc. (plan set entitled "Proposed Septic System, 200 Cushing Street, Hingham, Massachusetts," dated 08/12/2026):

Septic System Replacement:

Existing System: The existing system serving the property is to be abandoned and removed from service in accordance with Title 5 (310 CMR 15.354) and the Hingham Board of Health's supplementary regulations.

Proposed Work: As follows,

The proposed system consists of a Singular TNT 500 Treatment Tank, a precast concrete distribution box, and a GeoMat Leaching System soil absorption system. Note that the GeoMat Leaching system under its remedial use permit is considered an alternative SAS with treatment.

The new tank and GeoMat Leaching System will be located outside the 50-foot Wetland Buffer. However, due to the proximity of the house to the wetlands, the piping running from the house to the new tank will fall within the 50-foot Wetland Buffer.

Additionally, we are proposing to remove three trees, measured at diameter at breast height (DBH), as follows: a 4" Maple, a 10" Pine, and a 5" Pine.

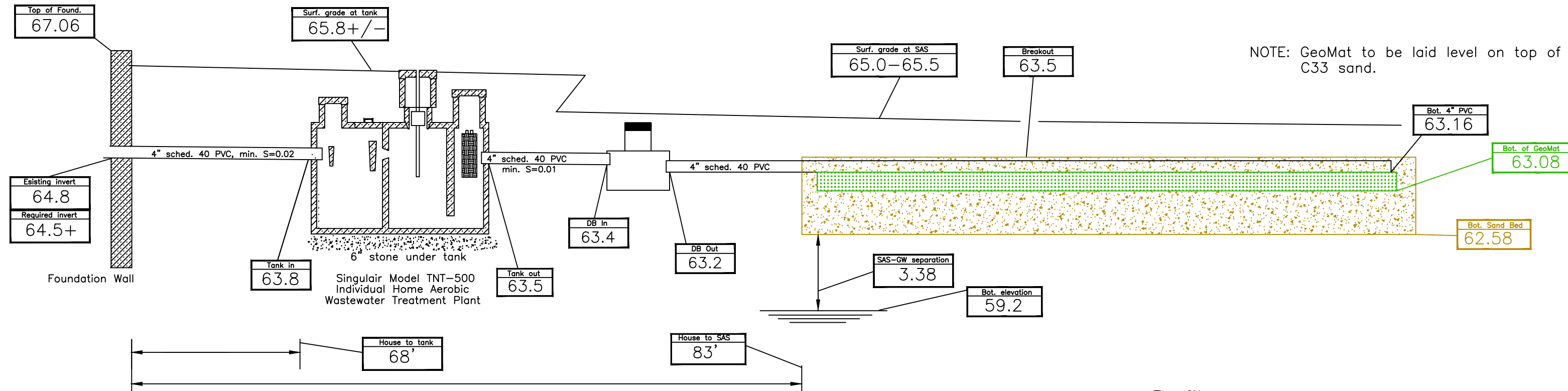
Mitigation:

Under Hingham's Tree Removal and Replacement Policy, any tree over 6" DBH within the 100-foot Buffer Zone requires one-to-one replacement. Accordingly, a replacement Pine tree is proposed within the 50'-100' Buffer Zone. If any additional trees require removal due to root safety and/or placement considerations, staff will be notified so that replacement quantities can be adjusted accordingly.

Additionally, some clearing has been done by prior owners in the vicinity of flags A7-A8. Since nothing has been uprooted, we recommend that clearing simply cease and that vegetation be allowed to regrow naturally in the affected areas.

Buffer Zone / Resource Area Analysis:

The location for the new system was sited as follows: First, due to surrounding houses being on private wells, the SAS is located on-site to maximize setback distances to those wells. Additionally, priority was given to siting the tank and field as far from the resource area as possible without reducing setbacks from the property lines. Considering both of these factors, along with the use of a nitrogen-reducing tank and a modern treatment field, we deem this system to be an upgrade with respect to protection of the resource area.



NOTE: All elevations referenced to 65.76' BENCH at cover over water shut off (NAVD88)

Soil Logs

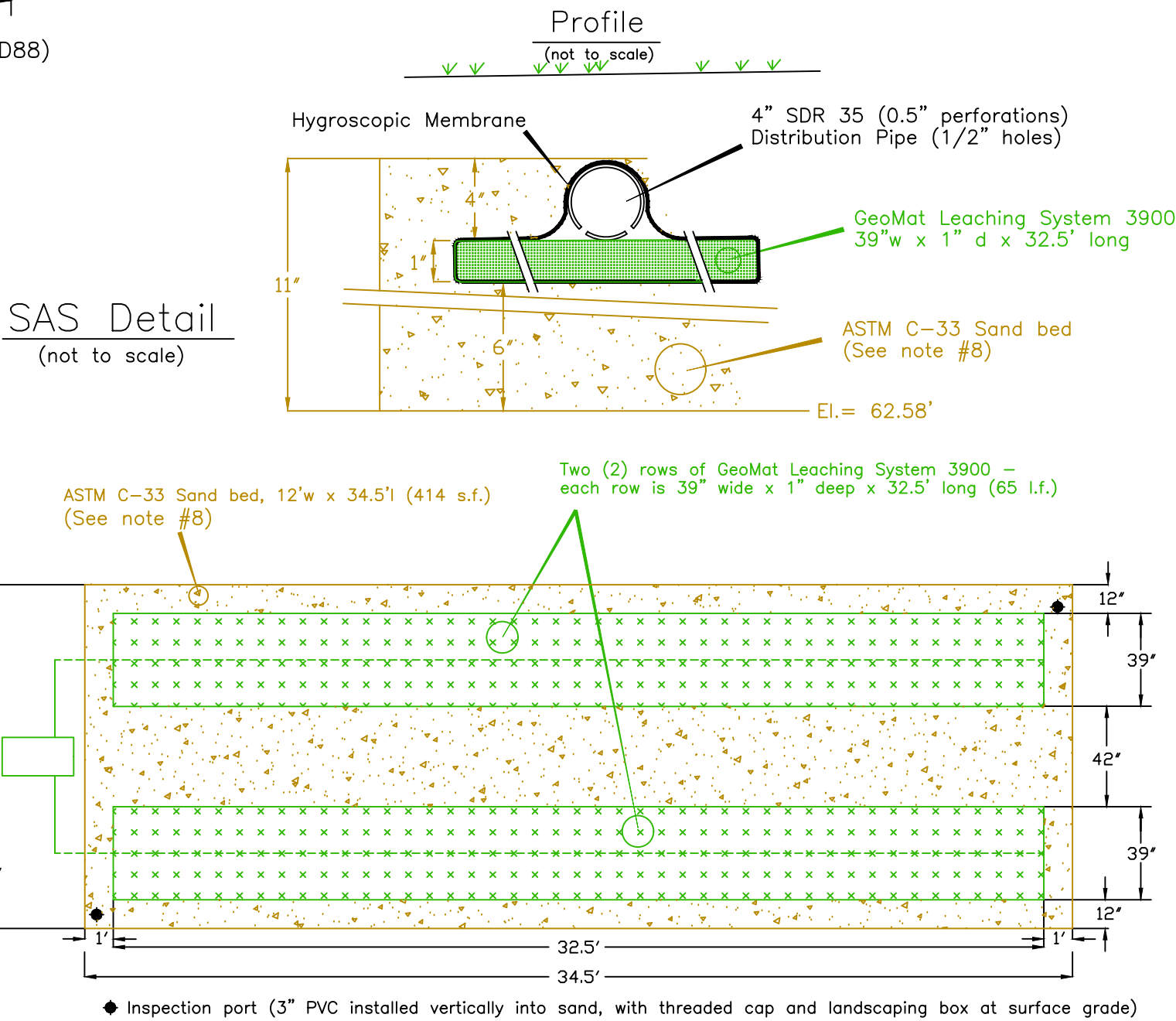
Elevation (Feet)	Observation Hole #1				
	Perk Rate = (inches)	Soil Horizon	Soil Texture	Soil Color	Soil Mottling
65.1					
64.6	0-6	Fill			
63.8	6-16	A	Sandy Loam	10 YR 5/1	None
61.8	16-40	B/C	Medium Sand	10 YR 5/6	None
59.1	40-72	C1	Loamy Sand	2.5 Y 6/3	None
56.1	72-108	C2	Silt Loam	2.5 Y 5/4	72" 7.5YR 5/8
	108	R	On boulders		

Elevation (Feet)	Observation Hole #2				
	Perk Rate = (inches)	Soil Horizon	Soil Texture	Soil Color	Soil Mottling
65.0					
63.0	0-24	Fill			
62.8	24-26	A	Sandy Loam	10 YR 5/1	None
60.7	26-52	B/C	Medium Sand	10 YR 5/6	None
59.2	52-70	C1	Loamy Sand	2.5 Y 6/3	None
57.5	70-90	C2	Silt Loam	2.5 Y 5/4	70" 7.5YR 5/8
	90	R	On boulders		

NOTE: This plan has been developed under Massachusetts DEP Policy # BRP/DWM/PeP-P00-6 "Title V Policy on the use of the B Horizon for Soil Absorption Systems for System Upgrades."

Notes:

- On 8/11/2026 soil tests were made, as shown here, by Terence McSweeney, a Massachusetts Department of Environmental Protection (DEP) approved Soils Evaluator, with P. Brennan observing for the Board of Health. The logs of these tests are as follows, with location as #1 and #2 on this plan.
- All stone to be washed free of iron, fines, and dust. All "structures" to be precast concrete. All pipes to be P.V.C. Schedule 40, laid true to line and grade. All "structures" under pavement to be H-20 loading with cast iron covers and frames, set to grade, on all manholes.
- The existing SAS is to be abandoned and disposed of to the satisfaction of the health authority.
- It is the responsibility of the home owner to advise the site engineer of the location of all house plumbing prior to construction of the system.
- No part of the proposed system shall be buried greater than 3' below the surface of the ground.
- All work to conform to these plans, Title 5 of the Environmental Code (310 CMR 15.00 et. seq.) and supplementary regulations of the Hingham Board of Health.
- House plumbing to be set to the grades specified on this plan, as necessary, with a pipe slope minimum of 0.01.
- Geomat Leaching System to be placed on 6" bed of ASTM C-33 sand. These materials must meet the following sieve specifications:
 - 3/8" sieve 100% passing
 - #4 sieve 95 - 100% passing
 - #8 sieve 85 - 100% passing
 - #16 sieve 50 - 85% passing
 - #30 sieve 25 - 60% passing
 - #50 sieve 10-30% passing
 - #100 sieve 2-10% passing
- Results of sieve analysis submitted to Board of Health for approval prior to installation.
- Property line information as depicted on this plan is to be used for Title V purposes only.

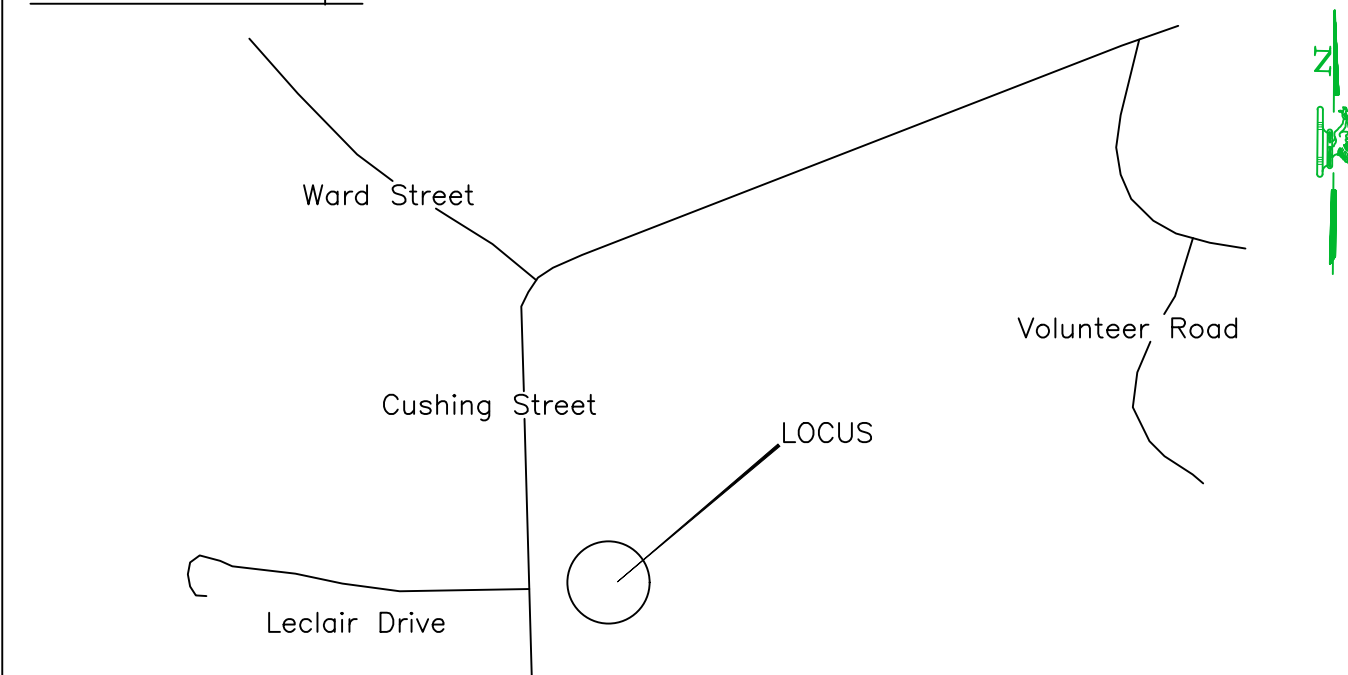


I certify that in the fall of 1997 I was approved by the Mass. Department of Environmental Protection as a Soils Evaluator and that the soils analysis contained herein was performed by me consistent with the training, expertise, and experience described in 310 CMR 15.018(2).

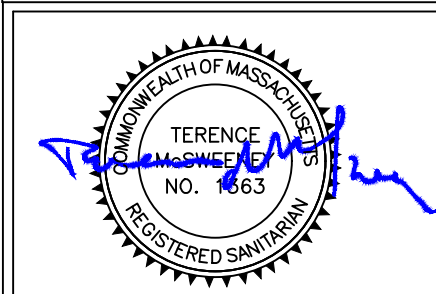
I certify that there are no wells known to me, or reported to be within 500 feet of this proposed SAS, other than those shown on this plan. Public water supply wells in the area, location and distance from locus, are shown herein.

Terence McSweeney Date Terence McSweeney, R.S.

Locus Map



Lot Data:
Deed: 49930/105 - 6/18/2018
Hingham Assessors Map 156/13 - 1.24 acres
Reference Plan:
L. W. Perkins, C.E., 4/5/1966
Plan #233 of 1967 (Plymouth County Rd)



Revisions:

8/25/2026 - Move field, revise variances (TM)

McSweeney Associates, Inc.
McS
Environmental Engineering

Proposed Septic System
200 Cushing Street
Hingham, Massachusetts
(Page 1 of 2)

745 Winter Street, Hanson, MA 02341
Thomas F. McSweeney 1894-1977
Brian McSweeney 1929-2015
Terence K. McSweeney 781-826-4571
Colin T. McSweeney 781-570-9381

Job Reference:

Cushing 200

Scale: As Noted

Date: 8/12/2026

Drawn By: T McS

Checked By: C McS

Receipt

Forms

Attach Files

Signature

Receipt

Summary/Receipt

print receipt

Exit

Your submission is complete. Thank you for using DEP's online reporting system. You can select "My eDEP" to see a list of your transactions.

DEP Transaction ID: 2046856
Date and Time Submitted: 8/26/2026 8:51:10 PM
Other Email :

Form Name: Submittal Platform for WPA Form 1 - RDA

Project Location
City/Town Name: HINGHAM
Location: 200 CUSHING STREET
Project Description: UPGRADED TITLE V SYSTEM

Applicant Information
Name: MAURA AND JUSTIN SILVERIO
Company
Address: 200 CUSHING STREET, HINGHAM, MA, 02043

Ancillary Document Uploaded/Mailed
1. WPA Form
1.1 Sign PAge
2. check copy
4. 1Cushing 200 p1
4.2 Cushing 200 p2
Narrative
permission to access
policy of receipt

[My eDEP](#)



HINGHAM WETLAND REGULATIONS

APPENDIX C

Policy on Receipt of Information

(Revised March 4, 2024)

1. New applications/filings must be submitted to the Conservation office (by certified mail or hand delivery) two weeks prior to the meeting date, on Monday by noon, to facilitate the placement of the legal ad and to allow timely review by the Conservation Officer (if the office is closed on Monday due to a holiday, then the information is due on the preceding Friday by noon). Conservation staff will review the application for administrative completeness. Upon receipt of a complete application, a hearing or meeting will be scheduled in accordance with the 310 CMR 10.05(5) and the Wetland Regulations, Section 7.6.
2. If deemed necessary, based on the Commission's meeting schedule, Conservation staff may request the applicant *voluntarily* waive the 21 day statutory deadline for holding a public hearing or issuing a Determination of Applicability.
3. Requests for additional information may be made by the Commission members or their agent to clarify the scope of the project or determine compliance with the 310 CMR 10.00 and/or the Hingham Wetland Regulations. Such requests, if not made at the public hearing, will be communicated to the applicant or their representative as promptly as possible.
4. Additional information requested by the Commission or their agent in accordance with No.3, must be submitted to the Conservation office a minimum of 7 days prior to the meeting date, on Monday by noon. If the office is closed on Monday due to a holiday, the information is due on the preceding Friday by noon. *Revisions submitted after the established deadline may not receive a review, thereby resulting in a continuance to the next available meeting.*
5. The Commission may engage the peer review services of an outside consultant as provided by M.G.L. Ch. 44, § 53G, to be paid for by the applicant, for specific expert review deemed necessary to come to a final decision on a submitted application. Specific consultant services may include but are not limited to, review of a Notice of Intent, Wetland Resource Area Delineation, Stormwater/Drainage Reports, etc. The consultant shall be chosen by the Conservation Commission by vote at the public hearing, and report only to the Commission or its agent. *Requested additional information/revisions by the peer reviewer is required a minimum of two weeks prior to the hearing date.*
5. All supplemental documentation and revised plans must include a revision date and must be date stamped by the Conservation office upon receipt. If this information is not present, the documents may be considered incomplete and may not receive a timely review, thereby resulting in a continuance to the next available meeting.
6. Please note that all supplemental documentation and revised plans submitted to the Commission for a pending application, subject to the MA Wetlands Protection Act, must also be sent to the DEP Southeast Regional Office, 20 Riverside Dr., Lakeville, MA 02347

The Hingham Conservation Commission is committed to a thorough and timely review of each application and an efficient hearing process. Cooperation with this policy is appreciated to facilitate these efforts. Exceptions to this policy may be made by the Conservation staff if deemed warranted. Please sign and include with your filing. Thank you.


Applicant or Applicant's Representative Signature

08/26/26
Date



TOWN OF HINGHAM
CONSERVATION COMMISSION

PERMISSION FOR SITE ACCESS

Project location: 200 Cushing Street

I hereby grant permission to the individual members of the Hingham Conservation Commission and its staff to enter upon the property at reasonable times for the purpose of gathering information, measurements, photographs, observations, and other information necessary to evaluate the application and compliance with any subsequently issued Determination of Applicability or Order of Conditions.

Maura Silverio
Owner Signature

Maura Silverio
Print

8/26/26
Date