

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:		
Linda and Josef	Schuhwerk	
First Name	Last Name	
25 Stonehaven Drive Apt 411		
Address		
Weymouth	MA	02190
City/Town	State	Zip Code
781-799-5469	lrsschuh@gmail.com	
Phone Number	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	McSweeney	
First Name	Last Name	
McSweeney Associates		
Company Name		
745 Winter Street		
Address		
Hanson	MA	02341
City/Town	State	Zip Code
781-570-9381	colin@mcsweeneyinc.com	
Phone Number	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):		
124 Hobart Street	Hingham	
Street Address	City/Town	
42.22125	-70.89582	
Latitude (Decimal Degrees Format with 5 digits after decimal e.g. XX.XXXXX)	Longitude (Decimal Degrees Format with 5 digits after decimal e.g. -XX.XXXXX)	
107	15	
Assessors' Map Number	Assessors' Lot/Parcel Number	
b. Area Description (use additional paper, if necessary):		
All work within pre-disturbed area on a property within a pre-existing dwelling.		
c. Plan and/or Map Reference(s): (use additional paper if necessary)		
Proposed Septic System 124 Hobart Street Hingham, Massachusetts	06/02/2026	
Title	Date	
Title	Date	

[How to find Latitude and Longitude](#)

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



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

B. Project Description (cont.)

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

All proposed work is located outside the 50-foot Wetland Buffer Zone but within the 100-foot Wetland Buffer Zone. The proposed system consists of a 1,500-gallon septic tank that discharges to a distribution box, which in turn distributes effluent into a GeoMat leaching system. A rubber membrane has been installed at the downgradient corner of the leaching field to comply with required breakout elevations. The existing septic system will be abandoned in accordance with Board Of Health Regulations.

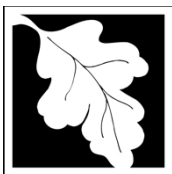
- b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

Septic Upgrade outside 50' Buffer Zone

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.)
-



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

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.

Linda Schuhwerk

Signature of Applicant

06/22/2026

Date

Colin McSweeney

Signature of Representative (if any)

06/22/2026

Date



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

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.

Linda Schubert
Signature of Applicant

6-22-26
Date

Co. Rep.
Signature of Representative (if any)

06/22/2026
Date



McSweeney Associates, Inc.

Environmental Engineering Services

124 Hobart Steet Hingham MA

Site Details:

The site is located at 124 Hobart Street, Hingham, MA. The property contains a preexisting dwelling and is subject to several environmental constraints, including a wetland, a FEMA Flood Zone A designation, and an intermittent stream.

The wetland and stream were Identified on June 1, 2026, by Colin McSweeney. The wetland boundary was observed at the edge of the existing yard where grass transitions to vegetation and standing water. An intermittent stream was also identified; both features were located using survey equipment. Wetland boundary flags were labeled A1 through A5.

Project Description within wetlands buffer:

All proposed work is located outside the 50-foot Wetland Buffer Zone but within the 100-foot Wetland Buffer Zone. The proposed system consists of a 1,500-gallon septic tank that discharges to a distribution box, which in turn distributes effluent into a GeoMat leaching system. A rubber membrane has been installed at the downgradient corner of the leaching field to comply with required breakout elevations. The existing septic system will be abandoned in accordance with Board Of Health Regulations.

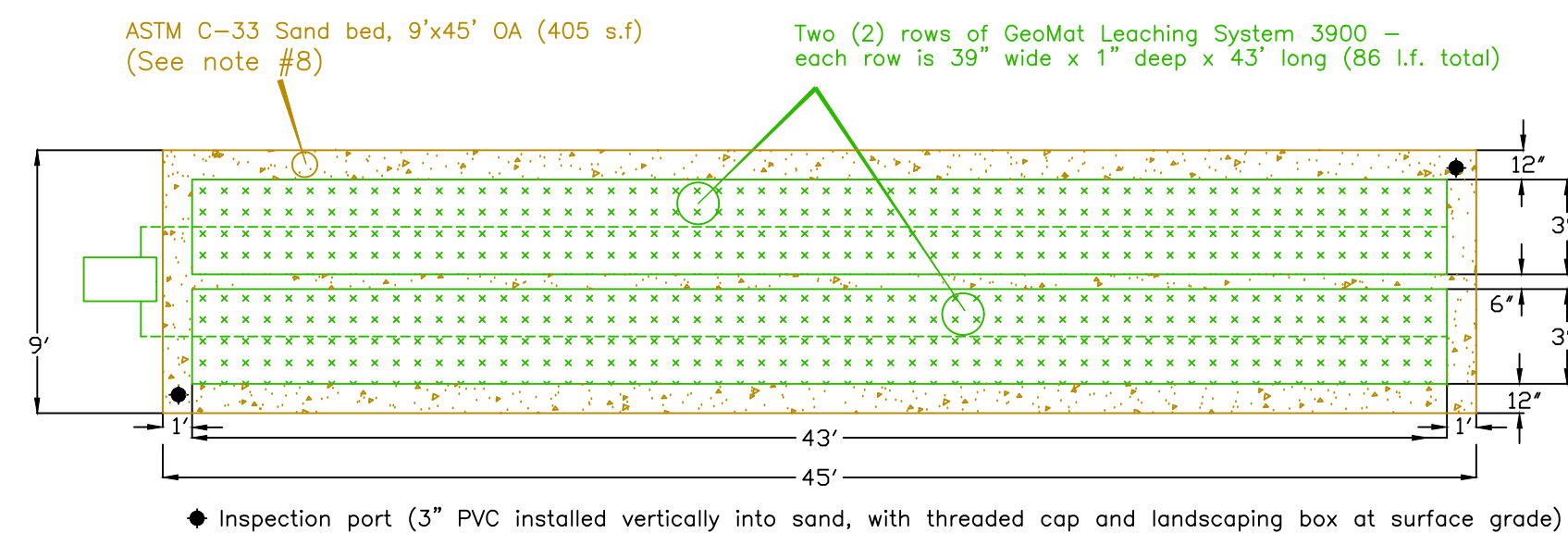
Justification for System Location:

The proposed system location in the rear of the property, within the 100-foot Wetland Buffer Zone, was selected based on the following site constraints:

- The existing piping and septic system are already located within the 100-foot Wetland Buffer Zone, establishing a precedent for wastewater infrastructure in this area.
- The existing septic pipe exiting the structure, combined with the location of the electric meter, prevents any internal rerouting of the piping to redirect flow toward the front yard.
- Routing the system to the front yard would require the installation of a pump tank, with the exit piping then needing to cross both the existing driveway and an active water supply line to reach a suitable location for a possible new leaching system.
- The proposed GeoMat leaching system is classified as an alternative Soil Absorption System (SAS) with treatment under its Remedial Use Permit, representing a higher level of treatment than the system it replaces.

Conclusion

Given the existing system's location within the 100-foot Wetland Buffer Zone, the site's physical constraints, and the environmental improvements offered by the proposed alternative leaching technology, it is our professional opinion that the rear yard location represents the most appropriate sitting option for the upgraded septic system.



Hydroscopic Membrane

4" SDR 35 (0.5" perforations)
Distribution Pipe (1/2" holes)

GeoMat Leaching System 3900
39" x 1" d x 43" long

11'

6'

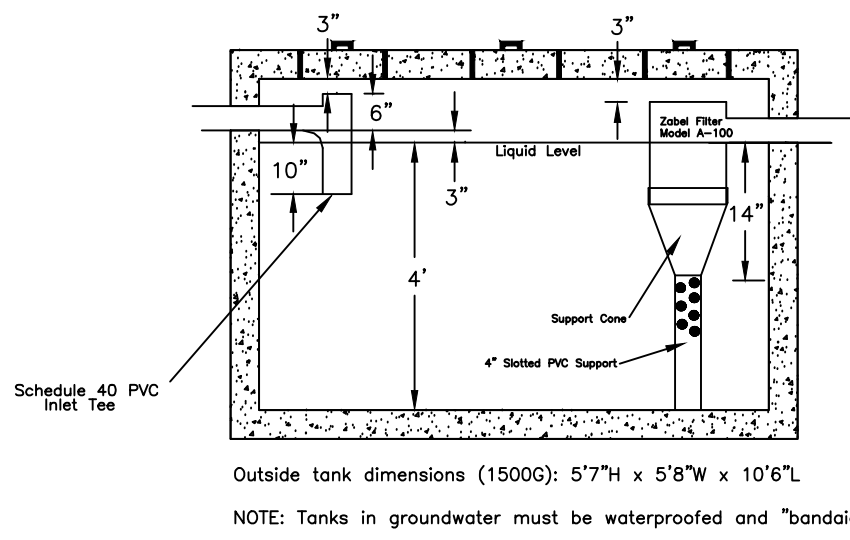
ASTM C-33 Sand bed
(See note #8)

EL = 49.50'

Title V specified sand from
top of the C horizon (49.5')
to bottom of C-33 sand

EL = 49.5'

NOTE: A second deep observation hole must be completed at time of system installation.

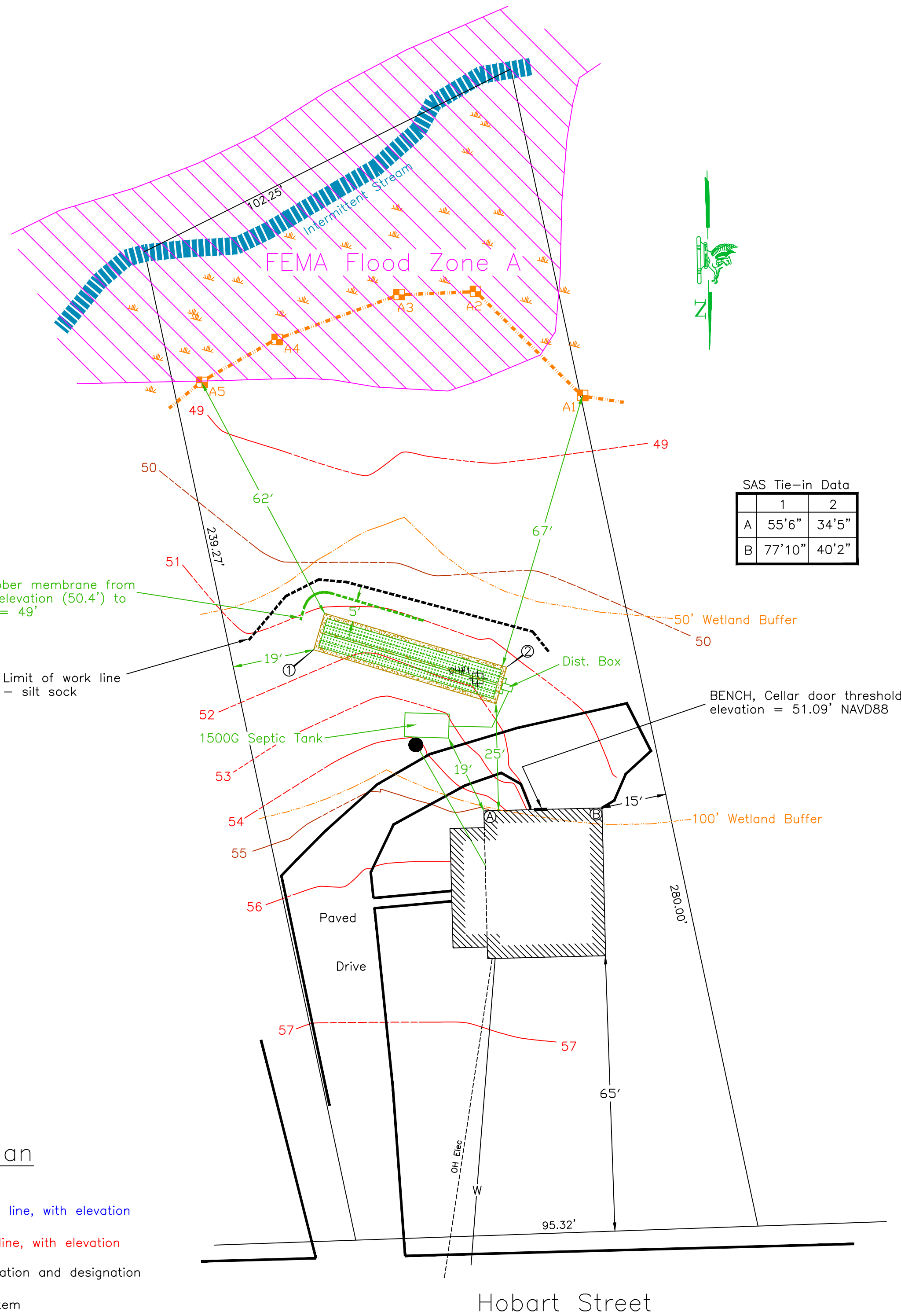


1. On 4/9/2026 a soil test was made, as shown here, by Terence McSweeney, a Massachusetts Department of Environmental Protection (DEP) approved Soils Evaluator, with B. Nee observing for the Board of Health. The logs of this test is as follows, with location as OH-1 on this plan.
2. All stone to be washed 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.
3. The existing SAS is to be abandoned and disposed of to the satisfaction of the health authority.
4. 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.
5. No part of the proposed system shall be buried greater than 3' below the surface of the ground.
6. 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.
7. House plumbing to be set to the grades specified on this plan, as necessary, with a pipe slope minimum of 0.01.
8. Geomat Leaching System to be placed on 6" bed of ASTM C-33 sand. These materials must meet the following sieve specifications:
 1. 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
2. Results of sieve analysis submitted to Board of Health for approval prior to installation.
9. Property line information as depicted on this plan is to be used for Title V purposes only.

1. 4 bedrooms, no disposal
2. Est. Day Flow (EDF) = # B.R. x 110 G/Day
EDF = 440 Gallons per day
3. Perk rate = c2 min/inch, Class I soil (Sand in OH-1, C horizon)
GeotM loading rate with 6" ASTM C33 sand under, Class I soil, c2 m.p.i. perk rate = 1.50 G/D/SF
4. Septic Tank = 2 X EDF with 1,500 G minimum
440 X 2 = 880 Gallons, 1,500 Gallon (minimum allowable)
5. Soil Absorption System (SAS)
GeotM sand required = EDF/Loading rate
(440 G)/(1.50 G/s.f.) = 293 s.f.
GeotM Leaching System 3900 ("1239" W) = 3.42 s.f./f
293 s.f./3.42 s.f./f = 86 f (if required)
Use 2 rows, each 1' x 39' w/ x 431 (86 f, provided)
Minimum sand bed = 440 G/D, with perk rate of c2 m.p.i. Class I soils = 400 s.f. (required)
Use sand bed 9' w/ x 451 (400 s.f. provided)

- 1,500 gallon septic tank (monolithic, H=20 loading)
- Distribution box
- 405 s.f. sand bed (ASTM C-33 sand) - 9'w x 45'l x 6"d
86 l.f. GeoMat Leaching System 3900, two (2) rows each 1"d x 39'w x 43'l

- 98 ——— = Proposed topographic line, with elevation
- 93 - - - - - = Existing topographic line, with elevation
- OH #1  = Observation hole, location and designation
-  = Existing disposal system
-  = Wetland flag, McSweeney Assoc., Inc., 6/1/2026
- A2  = Wetland resource area (BWV)



1. Town of Hingham, Section VII.E., SDS to wetland setback
Proposed: 62' Required: 100'
2. Town of Hingham, Section VII.J., Thickness of naturally occurring soils under SAS
Proposed: 3.0' Required: 6.0'
3. Town of Hingham, Section VII.M., Construction in fill
thickness of naturally occurring, unsaturated, soils under SAS
Proposed: 3.0' Required: 6.0'

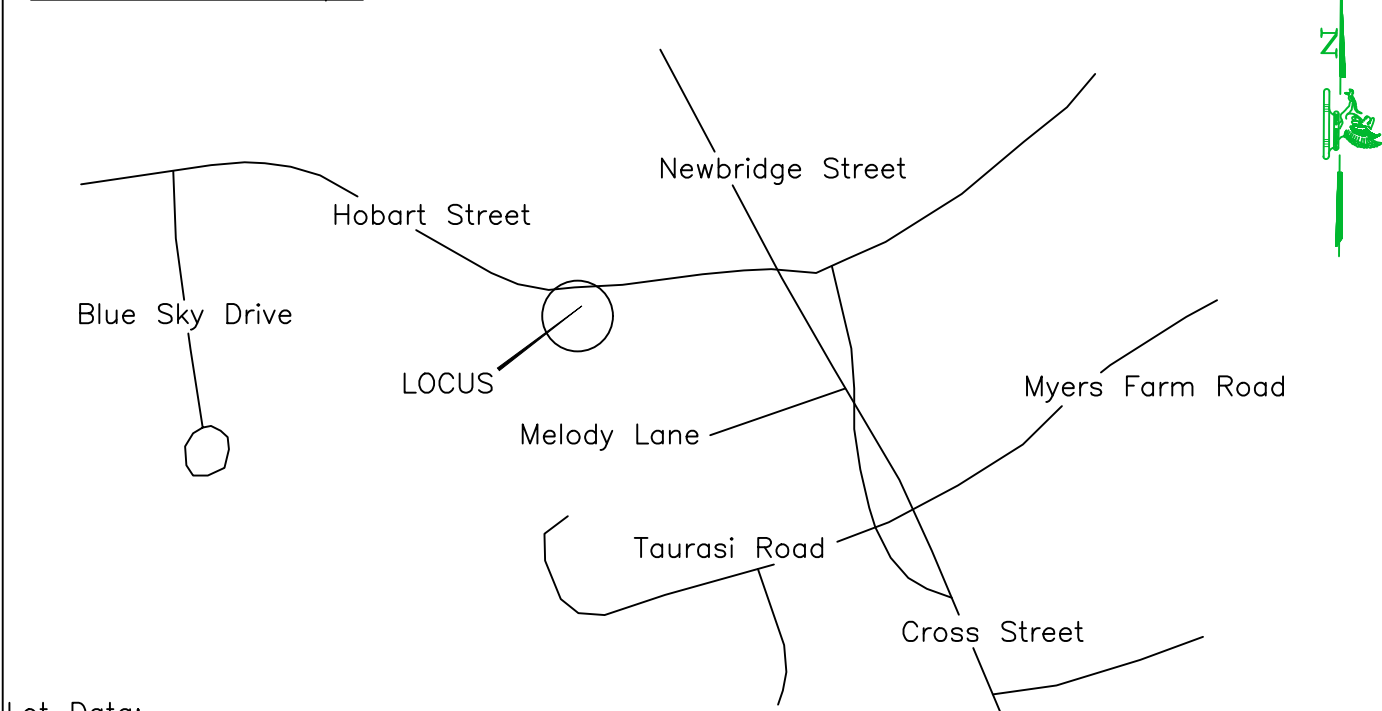
I certify that in the fall of 1997 I was approved by the Mass. Department of Environmental Protection as a Soils Evaluator and that the soils analysis contained herein was performed by me consistent with the training, expertise, and experience described in 310 CMR 15.018(2).

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.

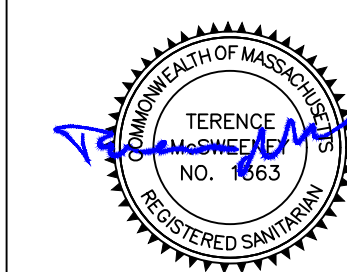
Terence McSweeney

Date _____

Terence McSweeney, R.S.



Lot Data:
Deed: 55117/239 - 6/9/2021
Hingham Assessors Map 107/15 - 0.56 acres
Reference Plan:
G.F. Maynard, C.E., 7/15/1938
B: 5 P: 815, Plymouth County RoD



McSweeney Associates, Inc.

MCS
Environmental
Engineering

Proposed Septic System
124 Hobart Street
Hingham, Massachusetts

745 Winter Street	Hanson, MA	02341
-------------------	------------	-------

Thomas F. McSweeney	1894-1977
Brian McSweeney	1929-2015

Terence K. McSweeney	781-826-4571	C
Colin T. McSweeney	781-570-9381	

Job Reference:
Hobart124

Scale: As Noted

Date: 6/2/2026

Drawn By: T McS

Checked By: C McS

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: 2028175

Date and Time Submitted: 6/23/2026 4:40:09 PM

Other Email :

Form Name: Submittal Platform for WPA Form 1 - RDA

Project Location

City/Town Name: HINGHAM

Location: 124 HOBART STREET

Project Description: UPGRADED TITLE V SYSTEM

Applicant Information

Name: LINDA AND JOSEF SCHUHWERK

Company

Address: 25 STONEHAVEN DRIVE APT 411, WEYMOUTH, MA, 02190

Ancillary Document Uploaded/Mailed

1. WPA Form

1.1 Sign Page

Narrative

Plan

Site Access Form

check copies

policy of receipt

[My eDEP](#)

MassDEP's Online Filing System

ver.17.26.1.0

[Digital Accessibility Statement](#) [Privacy Policy](#) [Contact](#)

© 2026 Commonwealth of Massachusetts.

Mass.gov® is a registered service mark of the Commonwealth of Massachusetts.

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

06/23/26

Date



TOWN OF HINGHAM
CONSERVATION COMMISSION

PERMISSION FOR SITE ACCESS

Project location: 124 Hobart Street Hingham MA 02043

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.

Linda Schutwerk
Owner Signature

Linda Schutwerk
Print

6-22-26
Date