

NOTICE OF INTENT

Pursuant to
MASSACHUSETTS GENERAL LAWS
Chapter 131, Section 40

Victor Mourao
90 Waverly Street
Ashland, MA

November 19, 2024



Prepared for:
Victor Mourao
8 Joanne Drive
Ashland, MA 01721

Prepared by:
Haley Ward, Inc.
510 Mechanic Street
Leominster, MA 01453
Tel. (978) 537-5296

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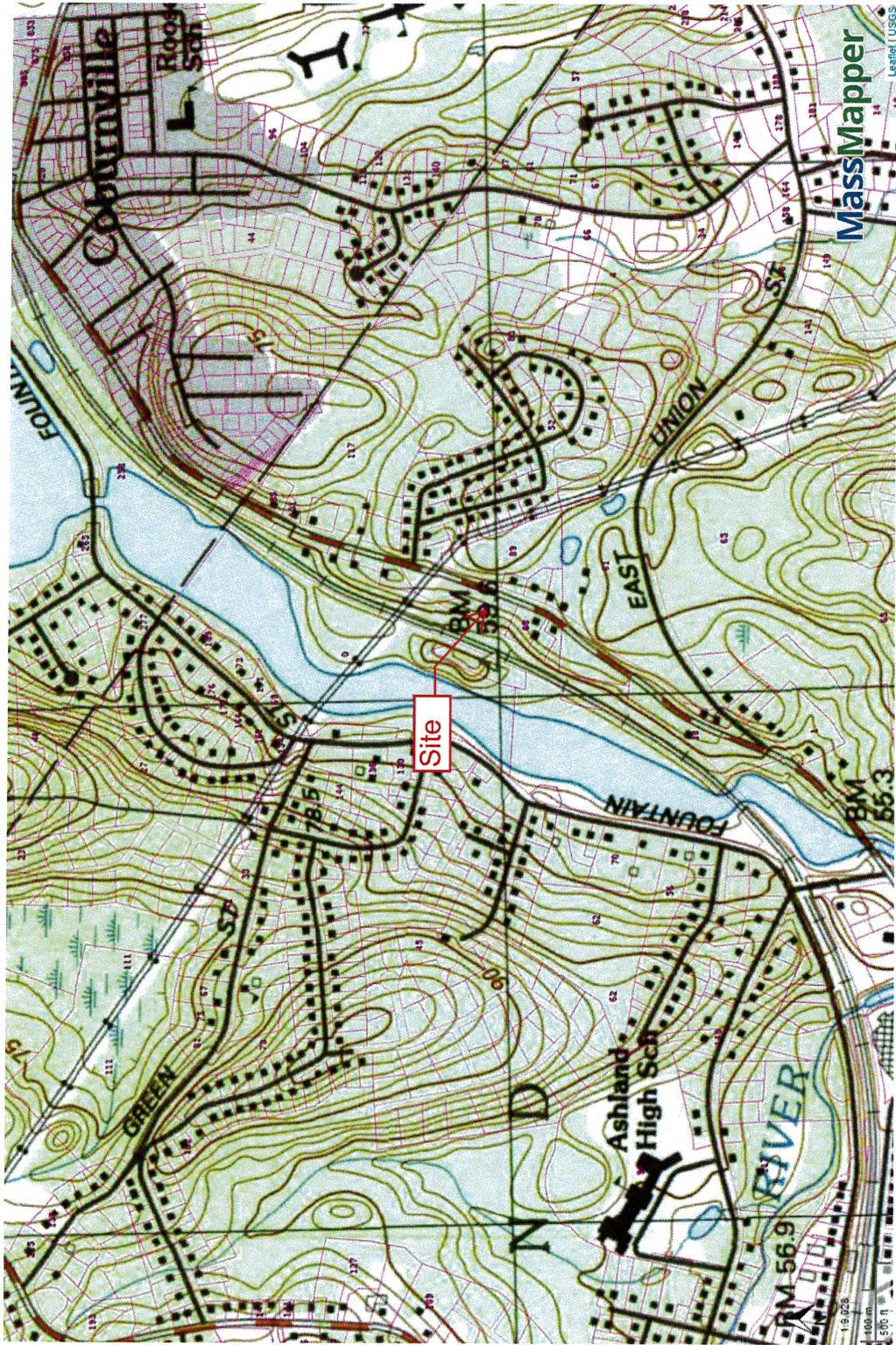
- Narrative
- USGS Topographical Quadrangle
- Estimated Habitats of Rare Wildlife and Certified Vernal Pools
- Notice of Intent
- Abutter's Notification
- List of Abutters

Narrative

The subject property is located at 90 Waverly Street, Ashland on the northeastern side of Waverly Street and southeast of the Framingham Reservoir #2.

The subject property is currently a vacant lot. This project consists of the construction of a single-family dwelling, driveway, septic system and associated features for grading purposes. See the plans for a more detailed depiction. The majority of the work is located within the 100-foot buffer zone of a bordering vegetated wetland (BVW). However, the entirety of the work is located outside the 25-foot no disturb zone. The project site does not have a National Heritage and Endangered Species (NHESP) priority habitat nor NHESP estimated habitats, nor does the site have any certified vernal pools.

A complete description of the project is shown on plans, entitled "Proposed Soil Absorption System", dated October 2, 2024, prepared by Haley Ward, Inc. for Victor Mourao.



NHESP Certified Vernal Pools *

NHESP Priority Habitats of Rare Species: □ □

NHESP Estimated Habitats of Rare Wildlife □

Property Tax Parcels



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

WPA Form 3 - Notice of Intent

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

Provided by MassDEP:
MassDEP File #:
eDEP Transaction #:1807530
City/Town:ASHLAND

A. General Information

1. Project Location:

a. Street Address	90 WAVERLY STREET		
b. City/Town	ASHLAND	c. Zip Code	01721
d. Latitude	42.26639N	e. Longitude	71.44653W
f. Map/Plat #	10	g. Parcel/Lot #	70-00-00

2. Applicant:

Individual Organization

a. First Name	VICTOR	b. Last Name	MOURAO
c. Organization			
d. Mailing Address	8 JOANNE DRIVE		
e. City/Town	ASHLAND	f. State	MA
		g. Zip Code	01721
h. Phone Number	774-423-8010	i. Fax	
		j. Email	vicor.mouraocivil@gmail.com

3. Property Owner:

more than one owner

a. First Name	ROSA	b. Last Name	BARROSA
c. Organization			
d. Mailing Address	43 HOLLIS STREET		
e. City/Town	FRAMINGHAM	f. State	MA
		g. Zip Code	01702
h. Phone Number		i. Fax	
		j. Email	

4. Representative:

a. First Name	DANIEL	b. Last Name	SHEEHAN
c. Organization	HALEY WARD, INC.		
d. Mailing Address	510 MECHANIC STREET		
e. City/Town	LEOMINSTER	f. State	MA
		g. Zip Code	01453
h. Phone Number	978-537-5296	i. Fax	
		j. Email	dsheehan@haleyward.com

5. Total WPA Fee Paid (Automatically inserted from NOI Wetland Fee Transmittal Form):

a. Total Fee Paid	500.00	b. State Fee Paid	237.50	c. City/Town Fee Paid	262.50
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6. General Project Description:

THE PROJECT CONSISTS OF THE CONSTRUCTION OF A SINGLE-FAMILY DWELLING WITH A DRIVEWAY, SEPTIC SYSTEM AND ASSOCIATED FEATURES FOR GRADING PURPOSES.

7a. Project Type:

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial |
| 5. <input type="checkbox"/> Dock/Pier | 6. <input type="checkbox"/> Utilities |
| 7. <input type="checkbox"/> Coastal Engineering Structure | 8. <input type="checkbox"/> Agriculture (eg., cranberries, forestry) |
| 9. <input type="checkbox"/> Transportation | 10. <input type="checkbox"/> Other |

7b. Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 (coastal) or 310



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CMR 10.53 (inland)?

- 1. Yes/No
2. Limited Project

8. Property recorded at the Registry of Deeds for:

a. County: SOUTHERN MIDDLESEX
b. Certificate:
c. Book: 79770
d. Page: 582

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

1. Buffer Zone & Resource Area Impacts (temporary & permanent):

This is a Buffer Zone only project - Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.

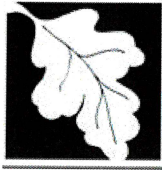
2. Inland Resource Areas: (See 310 CMR 10.54 - 10.58, if not applicable, go to Section B.3. Coastal Resource Areas)

Resource Area Size of Proposed Alteration Proposed Replacement (if any)

Table with 3 columns: Resource Area, Size of Proposed Alteration, Proposed Replacement (if any). Rows include Bank, Bordering Vegetated Wetland, Land under Waterbodies and Waterways, Bordering Land Subject to Flooding, and Isolated Land Subject to Flooding.

f. Riverfront Area

- 1. Name of Waterway (if any)
2. Width of Riverfront Area (check one)
3. Total area of Riverfront Area on the site of the proposed project
4. Proposed Alteration of the Riverfront Area:
a. total square feet
b. square feet within 100 ft.
c. square feet between 100 ft. and 200 ft.



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If the project involves Stream Crossings, please enter the number of new stream crossings/number of replacement stream crossings.

a. number of new stream crossings

b. number of replacement stream crossings

C. Other Applicable Standards and Requirements

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage of Endangered Species program (NHESP)?

a. Yes No

If yes, include proof of mailing or hand delivery of NOI to:
Natural Heritage and Endangered Species
Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581

b. Date of map:10/08/2024

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18)....

c. Submit Supplemental Information for Endangered Species Review * (Check boxes as they apply)

1. Percentage/acreage of property to be altered:

(a) within Wetland Resource Area

percentage/acreage

(b) outside Resource Area

percentage/acreage

2. Assessor's Map or right-of-way plan of site

3. Project plans for entire project site, including wetland resource areas and areas outside of wetland jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work **

a. Project description (including description of impacts outside of wetland resource area & buffer zone)

b. Photographs representative of the site

c. MESA filing fee (fee information available at: <http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/mass-endangered-species-act-mesa/mesa-fee-schedule.html>)

Make check payable to "Natural Heritage & Endangered Species Fund" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

d. Vegetation cover type map of site

e. Project plans showing Priority & Estimated Habitat boundaries

d. OR Check One of the following

1. Project is exempt from MESA review. Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, <http://www.mass.gov/eea/agencies/dfg/dfw/laws-regulations/cmr/321-cmr-1000-massachusetts-endangered-species-act.html#10.14>; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. Separate MESA review ongoing.

a. NHESP Tracking Number

b. Date submitted to NHESP



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City/Town:ASHLAND

3. Separate MESA review completed.

Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review...

2. For coastal projects only, is any portion of the proposed project located below the mean high waterline or in a fish run?

a. Not applicable - project is in inland resource area only

b. Yes No

If yes, include proof of mailing or hand delivery of NOI to either:

South Shore - Cohasset to Rhode Island, and the Cape & Islands:

North Shore - Hull to New Hampshire:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 S. Rodney French Blvd
New Bedford, MA 02744

Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930

If yes, it may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional office.

3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

a. Yes No

If yes, provide name of ACEC (see instructions to WPA Form 3 or DEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC Name

4. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?

a. Yes No

5. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L.c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L.c. 130, § 105)?

a. Yes No

6. Is this project subject to provisions of the MassDEP Stormwater Management Standards?

a. Yes, Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:

- 1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol.2, Chapter 3)
- 2. A portion of the site constitutes redevelopment
- 3. Proprietary BMPs are included in the Stormwater Management System

b. No, Explain why the project is exempt:

- 1. Single Family Home
- 2. Emergency Road Repair



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- 3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department by regular mail delivery.

- 1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
- 2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
- 3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s). Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
- 4. List the titles and dates for all plans and other materials submitted with this NOI.

a. Plan Title: **b. Plan Prepared By:** **c. Plan Signed/Stamped By:** **c. Revised Final Date:** **e. Scale:**

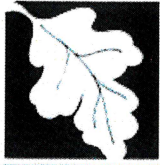
PROPOSED SOIL
ABSORPTION
SYSTEM

HALEY WARD, INC. BRIAN MILISCI

October 2, 2024

1"=20'

- 5. If there is more than one property owner, please attach a list of these property owners not listed on this form.
- 6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
- 7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
- 8. Attach NOI Wetland Fee Transmittal Form.
- 9. Attach Stormwater Report, if needed.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 3 - Notice of Intent
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Provided by MassDEP:
 MassDEP File #:
 eDEP Transaction #:1807530
 City/Town:ASHLAND

E. Fees

1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

199	October 30, 2024
2. Municipal Check Number	3. Check date
198	October 30, 2024
4. State Check Number	5. Check date
Rosas	Salon
6. Payer name on check: First Name	7. Payer name on check: Last Name

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

	11-12-24
1. Signature of Applicant	2. Date
	11-11-24
3. Signature of Property Owner (if different)	4. Date
	11-11-24
5. Signature of Representative (if any)	6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a copy of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

If the applicant has checked the "yes" box in Section C, Items 1-3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 3 - Notice of Wetland Fee Transmittal
Form

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

Provided by MassDEP:
 MassDEP File #:
 eDEP Transaction #:1807530
 City/Town:ASHLAND

A. Applicant Information

1. Applicant:

a. First Name	VICTOR	b. Last Name	MOURAO
c. Organization			
d. Mailing Address	8 JOANNE DRIVE		
e. City/Town	ASHLAND	f. State	MA
		g. Zip Code	01721
h. Phone Number	7744238010	i. Fax	
		j. Email	vicor.mouraocivil@gmail.com

2. Property Owner: (if different)

a. First Name	ROSA	b. Last Name	BARROSA
c. Organization			
d. Mailing Address	43 HOLLIS STREET		
e. City/Town	FRAMINGHAM	f. State	MA
		g. Zip Code	01702
h. Phone Number		i. Fax	
		j. Email	

3. Project Location:

a. Street Address	90 WAVERLY STREET	b. City/Town	ASHLAND
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Are you exempted from Fee?

Note: Fee will be exempted if you are one of the following:

- City/Town/County/District
- Municipal Housing Authority
- Indian Tribe Housing Authority
- MBTA

State agencies are only exempt if the fee is less than \$100

B. Fees

Activity Type	Activity Number	Activity Fee	RF Multiplier	Sub Total
A.) CONSTRUCTION OF SINGLE FAMILY HOUSE;	1	500.00		500.00
		City/Town share of filling fee	State share of filing fee	Total Project Fee
		\$262.50	\$237.50	\$500.00

Notification to Abutters

By Hand Delivery, Certified Mail (return receipt requested), or Certificates of Mailing

This is a notification required by law. You are receiving this notification because you have been identified as the owner of land abutting another parcel of land for which certain activities are proposed. Those activities require a permit under the Massachusetts Wetlands Protection Act (M.G.L. c. 131, § 40).

In accordance with the second paragraph of the Massachusetts Wetlands Protection Act, and 310 CMR 10.05(4)(a) of the Wetlands Regulations, you are hereby notified that:

- A. A Notice of Intent was filed with the Ashland Conservation Commission on November 19, 2024 seeking permission to remove, fill, dredge, or alter an area subject to protection under M.G.L. c. 131 §40. The following is a description of the proposed activity/activities:

The project consists of the construction of a single-family dwelling with a driveway, septic system and associated features for grading purposes.

- B. The name of the applicant is: Victor Mourao
- C. The address of the land where the activity is proposed is: 90 Waverly Street Assessor's Parcel ID 10-70-00-000
- D. Copies of the Notice of Intent may be examined or obtained at the office of the Ashland Conservation Commission, located at Ashland Town Hall, 101 Main Street. The regular business hours of the Commission are Monday, Tuesday and Thursday 8 am to 3:30 pm and Wednesday 8 am to 7 pm, and the Commission may be reached at 508-532-7906.
- E. Copies of the Notice of Intent may be obtained from the applicant or their representative by calling Haley Ward, Inc at 978-537-5296. An administrative fee may be applied for providing copies of the NOI and plans.
- F. Information regarding the date, time, and location of the public hearing regarding the Notice of Intent may be obtained from the Ashland Conservation Commission. Notice of the public hearing will be published at least five business days in advance, in the Gatehouse Media.

Notification provided pursuant to the above requirement does not automatically confer standing to the recipient to request Departmental Action for the underlying matter. See 310 CMR 10.05(7)(a)4.

October 17, 2024

To The Conservation Commission
90 Waverly Street
Rosa Barroso and Anderson Chaves
Abutters To Map 10 Parcel 70

PARCEL ID	PARCEL LOCATION	OWNER NAME 1	OWNER NAME 2	MAILING ADDRESS	CITY/TOWN	STATE	ZIP
014/010.0-0067-0000.0	0 FOUNTAIN ST	COMM OF MASS-MDC	HEADQUARTERS BLDG	20 SOMERSET	BOSTON	MA	02108
014/010.0-0068-0000.0	0 WAVERLY ST	TOWN OF ASHLAND	TAX TITLE	101 MAIN ST	ASHLAND	MA	01721
014/010.0-0069-0000.0	68 WAVERLY ST	SANTOS SEBASTIAN MUCH		68 WAVERLY ST	ASHLAND	MA	01721
014/010.0-0071-0000.0	100 WAVERLY ST	KACIE LLC		100 WAVERLY ST	ASHLAND	MA	01721
014/010.0-0072-0000.0	108 WAVERLY ST	KEERTHY SRIKANTH	THOTS NAGA VENKATA SUBRAHMANI	108 WAVERLY ST	ASHLAND	MA	01721
014/010.0-0109-0000.0	67 WAVERLY ST	HICKEY JAMES R & STEVEN A	TRUSTEES OF 67 WAVERLY REALTY TRUST	108 WAVERLY ST	ASHLAND	MA	01721
014/010.0-0110-0000.0	73 WAVERLY ST	KC REALTY LLC		PO BOX 539	ASHLAND	MA	01721
014/010.0-0111-0000.0	89 WAVERLY ST	EXTRA SPACE PROPERTIES 101 LLC		53 ELM ST	HOPKINTON	MA	01748
014/015.0-0007-0000.0	64 WAVERLY ST	CAMILLE SUSANNE A	GRACINDA M CAMILLE	PO BOX 71870/6890 S 2300 E	SALT LAKE CITY	UT	84171
014/015.0-0013-0000.0	63 WAVERLY ST	FLAHERTY PAUL G JR	DONNA M FLAHERTY	64 WAVERLY ST	ASHLAND	MA	01721
				18 SOUTH ST	UPTON	MA	01568

The above reflects the latest information available on our records.


 Jenn Ball
 Assistant Town Manager

10/17/24
 Date


10 parcels/abutters

ROSAS SALON
43 HOLLIS ST
FRAMINGHAM, MA 01702

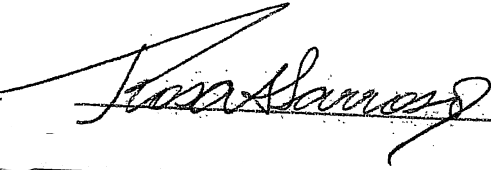
197
53-7192/2113
BRANCH 28425

Date 10-30-24

Pay to the Order of Town of Ashland \$ 700.00
Seven Hundred 00/100

Dollars  Photo Safe Deposit Details on back

bank **Hometown**

For Ashland  MP


Scrivener's Note: Check 197 was submitted to the office with the wrong dollar amount, and was corrected after-the-fact.

ROSAS SALON
43 HOLLIS ST
FRAMINGHAM, MA 01702


199
53-7192/2113
BRANCH 28425

Date 10-30-24

Pay to the Order of Town of Ashland \$ 262.50
Two Hundred Sixty two 50/100

Dollars  Photo Safe Deposit Details on back

bank **Hometown**


For Ashland  MP

ROSAS SALON
43 HOLLIS ST
FRAMINGHAM, MA 01702

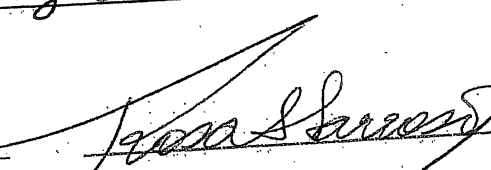
198
53-7192/2113
BRANCH 28425

Date 10-30-24

Pay to the Order of Commonwealth of Mass \$ 237.50
Two hundred thirty seven 50/100

Dollars  Photo Safe Deposit Details on back

bank **Hometown**

For Ashland  MP

GENERAL NOTES

1. SYSTEM IS DESIGNED ONLY TO ACCOMMODATE SANITARY SEWAGE ASSOCIATED WITH NORMAL DOMESTIC USAGE.
2. THIS PLAN IS TO SHOW THE DESIGN OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM ONLY.
3. THIS SYSTEM IS NOT DESIGNED FOR GARBAGE GRINDERS. SYSTEM SHALL BE VENTED THROUGH BUILDING PLUMBING AS REQUIRED BY THE BUILDING CODE OR AS SHOWN ON THIS PLAN.
4. PROPERTY LINES SHOWN ARE FOR GRAPHIC PURPOSES ONLY. PROPERTY LINES SHOULD BE ESTABLISHED PRIOR TO CONSTRUCTION OF SYSTEM. NO REPRESENTATION OR CERTIFICATION AS TO THE ACCURACY OF THOSE SHOWN IS IMPLIED OR INTENDED.
5. APPLICABLE ZONING REGULATIONS SHALL BE CONFIRMED BY OWNER OR CONTRACTOR PRIOR TO CONSTRUCTION.
6. THERE ARE NO EXISTING WELLS WITHIN 100' OF THE PROPOSED SEWAGE DISPOSAL SYSTEM. (50' OF SEPTIC TANK)
7. THERE ARE NO EXISTING DISPOSAL SYSTEMS WITHIN 100' OF THE PROPOSED WELL.
8. ALTERATIONS ARE PROPOSED WITHIN 100 FT. OF A WETLAND (POND BROOK, SWAMP) FILING SHOULD BE COMPLETED AND SUBMITTED TO ASHLAND CONSERVATION COMMISSION. (MGL C131 S40)
9. SEPTIC TANK SHOULD BE PERIODICALLY INSPECTED AND MAINTAINED, IF NECESSARY, SHOULD BE PUMPED WHEN SLUDGE DEPTH IN BOTTOM EXCEEDS 1/4 THE LIQUID DEPTH. (2-4 YEARS OF USE)
10. THIS PLAN WAS PREPARED FOR UTILIZATION IN THE CONSTRUCTION AND DESIGN OF THIS PROJECT ONLY. REPRODUCTION OF THIS PLAN IN WHOLE, OR IN PART, OR BY ADAPTATION, IS STRICTLY PROHIBITED WITHOUT THE WRITTEN CONSENT OF THE DESIGN ENGINEER AND FIRM.
11. THE DESIGN ENGINEER AND FIRM SHALL BE NOTIFIED IN WRITING, PROMPTLY OF ANY PLAN DEFICIENCIES FOUND DUE TO UNFORESEEN SUBSURFACE CONDITIONS OR OTHER REASONS.
12. ANY VARIANCES OR DEVIATIONS IN DESIGN OR CONSTRUCTION FROM THIS PLAN OR ANY OF THE AFORESAID CONDITIONS RELATING TO THE USE OR MAINTENANCE OF THE PROPOSED SYSTEM SHALL BE DEEMED TO VOID ANY CERTIFICATIONS OR REPRESENTATIONS MADE RELATIVE TO THIS SUBSURFACE DISPOSAL SYSTEM.
13. THIS DISPOSAL SYSTEM HAS BEEN DESIGNED TO SPECIFICATIONS OF THE MASSACHUSETTS TITLE V STATE SANITARY CODE AND LOCAL BOARD OF HEALTH REGULATIONS. NO GUARANTEE IS EXPRESSED OR IMPLIED THAT THE SYSTEM WILL FUNCTION CORRECTLY.
14. THIS PLAN WAS PREPARED UTILIZING APPLICABLE REGULATIONS ON FILE AT THIS OFFICE AT THE TIME OF PLAN PREPARATION. OWNER AND CONTRACTORS SHALL CONFIRM IF THOSE REGULATIONS ARE APPLICABLE AT THE TIME OF CONSTRUCTION.
15. IF AS-BUILT INFORMATION IS SHOWN ON THIS PLAN, IT IS ACCOMPANIED BY AN ENGINEER'S CERTIFICATE. NEITHER DOCUMENT IS COMPLETE WITHOUT THE OTHER.
16. ANY DEVIATIONS, I.E. "FIELD CHANGES" FROM THE DESIGN PLAN(S) MUST BE APPROVED BY THE DESIGN ENGINEER IN WRITING. CONTRACTOR SHOULD BE AWARE THAT LOCAL AND STATE AUTHORITIES HAVE THE JURISDICTION AND APPROVALS MUST BE OBTAINED THROUGH THOSE RESPECTIVE OFFICES PRIOR TO THE IMPLEMENTATION OF THE "FIELD CHANGE". HALEY WARD, INC. ASSUMES NO LIABILITY OR RESPONSIBILITY FOR WORK COMPLETED WITHOUT REGARD TO THE PRIOR MENTIONED "FIELD CHANGE" PROCEDURE.
17. UTILITY LOCATIONS AND ELEVATIONS SHOWN HEREON SHALL BE CONSIDERED APPROXIMATE. ALL UTILITIES, WHETHER SHOWN ON THIS PLAN OR NOT, THAT ARE DAMAGED BY THE CONTRACTOR, ARE TO BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS AND ELEVATIONS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
18. RELOCATION OF ANY UTILITIES SHALL BE PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROPRIATE UTILITY COMPANY AND/OR REGULATORY AGENCY.
19. ***DIG SAFE NOTE *** IN ACCORDANCE WITH MGL CH82, SEC. 40 INCLUDING AMENDMENTS, ALL CONTRACTORS SHALL NOTIFY UTILITY COMPANIES AND GOVERNMENT AGENCIES IN WRITING, OF THE INTENT TO EXCAVATE NO LESS THAN 72 HOURS PRIOR TO SUCH EXCAVATION (EXCLUSIVE OF SATURDAYS, SUNDAYS AND HOLIDAYS), OR CALL "DIG-SAFE" AT 1-888-DIG-SAFE.

DESIGN NOTES

1. SEPTIC TANK SHALL BE APPROVED DESIGN AND WATERTIGHT. MANHOLES SHALL EXTEND WITHIN 6" OF FINAL GRADE.
2. SEPTIC TANKS IN AREAS OF POSSIBLE VEHICLE TRAFFIC SHALL BE DESIGNED FOR AASHTO HS20-44 LOADING.
3. SEPTIC TANK MUST BE OFFSET 10 FT. FROM FOUNDATION WALLS. LEACHING FACILITIES MUST BE OFFSET 20 FT. FROM FOUNDATION WALLS.
4. BUILDING SEWER SHALL BE IN ACCORDANCE WITH STATE PLUMBING CODE AND HAVE 1 FOOT OF COVER IN AREAS NOT SUBJECT TO VEHICLE TRAFFIC AND 4 FEET IN AREAS SUBJECT TO VEHICLE TRAFFIC (OR SLEEVED).
5. PIPE FROM SEPTIC TANK TO DISTRIBUTION BOX SHALL BE LAID TRUE TO LINE AND GRADE, AND BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. MINIMUM COVER SHALL BE 3 FEET (UNLESS LESS THAN 50 FEET LONG) AND 4 FEET IS PREFERRED.
6. DISTRIBUTION BOX OUTLETS TO BE LEVEL-FIRST PIPE LENGTHS TO BE LAID LEVEL. D-BOX TO BE PLACED ON STABLE BASE. SOLVENT WELDED PVC TEE, CUT OFF 1" ABOVE OUTLETS, IS REQUIRED IF SLOPE OF INLET PIPE EXCEEDS 8%.
7. REMOVE ALL TOP & SUB SOIL IN 5 FOOT PERIMETER IN SHADED AREA, AND FILL WITH CLEAN GRANULAR SAND FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES AS REQUIRED PER 310 CMR: 15.255. (CONSTRUCTION IN FILL), OF THE STATE ENVIRONMENTAL CODE, TITLE 5.
8. PERIMETER DRAIN TO BE LAID IN 3/4"-1-1/2" WASHED STONE AT A 1% SLOPE. SEE DETAIL IF REQUIRED.
9. THE BOTTOM ELEVATION OF THE PRESBY BE CRITICAL ON A PRESBY SYSTEM. BREAKOUT AS REQUIRED BY TITLE 5: 15' OF A HORIZONTAL LEVEL AREA, FOLLOWED BY A 3:1 RETURN SLOPE. (SEE SITE PLAN FOR REQUIRED GRADING.)
10. SOIL ABSORPTION SYSTEM CONSTRUCTION TO BE WITH MINIMUM SOIL COMPACTION.
11. ALL NATURAL SOIL (OR FILL) INTERFACES SHALL BE SCARIFIED PRIOR TO PLACEMENT OF STONE.
12. ALL STONE SHALL BE DURABLE, CRUSHED, DOUBLE-WASHED STONE FREE FROM IRON, FINES, AND DUST IN PLACE.
13. ALL LOAM, LARGE BOULDERS, OR FOREIGN MATERIAL ENCOUNTERED DURING EXCAVATION TO BE REMOVED FROM SOIL ABSORPTION AREA.
14. FILL SHALL BE COMPACTED TO MINIMIZE SETTLEMENT AND SHALL BE CLEAN GRANULAR SAND FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES. MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOILS SHALL NOT BE USED.
15. CHANGES IN SLOPE OR DIRECTION WILL BE AT A CLEANOUT.
16. INVERTS SHALL NOT BE "BUILT UP" TO BE MADE LEVEL. COVER SHALL BE SET IN THIN BEAD OF BITUMEN.
17. FINISHED SURFACE OF SOIL ABSORPTION AREA SHALL BE GRADED TO INSURE RUNOFF (2% MINIMUM).
18. ALL DISTURBED AREAS TO BE MAINTAINED TO PREVENT EROSION. LOAM & SEED IS PREFERRED.
19. BUILDING MAY BE RELOCATED IF APPROVED BY THE BOARD OF HEALTH PROVIDED THAT IT DOES NOT CHANGE THE DESIGN.
20. WATER SERVICE TO BE LOCATED A MINIMUM OF TEN, (10'), FROM ALL COMPONENTS OF THE SOIL ABSORPTION SYSTEM INCLUDING SEPTIC TANK, D-BOX, PRIMARY AND RESERVE AREAS.

- NOTES:
1. THE SUBJECT PREMISES ARE GRAPHICALLY SITUATED IN THE HIGHWAY COMMERCE (CH) ZONING DISTRICT, WITH THE FOLLOWING MINIMUM DIMENSIONAL REQUIREMENTS:
 - MINIMUM LOT FRONTAGE: 150 FEET
 - MINIMUM LOT AREA: 30,000 S.F.
 - MINIMUM FRONT SETBACK: 30 FEET
 - MINIMUM SIDE SETBACK: 10 FEET
 - MINIMUM REAR SETBACK: 30 FEET

2. THE SUBJECT PREMISES ARE NOT GRAPHICALLY SITUATED IN THE 100-YEAR FLOOD HAZARD ZONE, PER FLOOD INSURANCE RATE MAP 25017C0514F DATED JULY 7, 2014

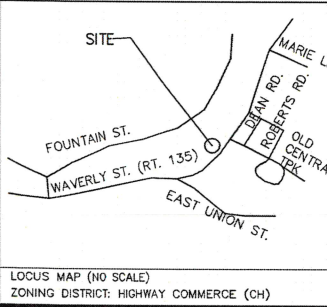
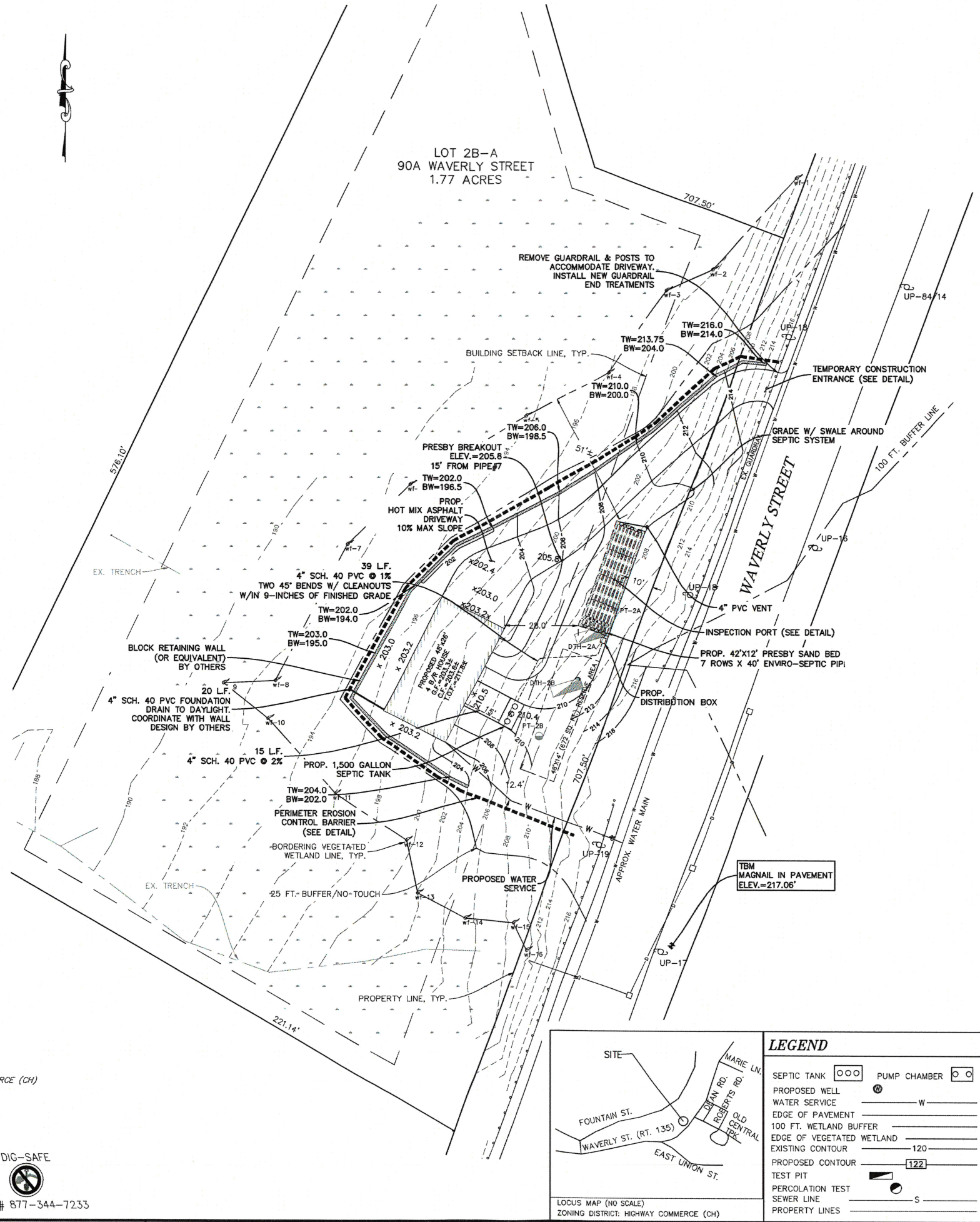


PHONE # 877-344-7233

TEST PIT DATA

ELEV.=208.0±		DEEP HOLE OBSERVATION LOGS				DATE: MAR. 29, 2000
TEST NO.	DEPTH FROM SURFACE (FEET)	SOIL TYPE	SOIL COLOR (MUNNELL)	SOIL WETLAND	SOIL STRUCTURE	SOIL CONSISTENCY (4 SHAVEL STONES BOLDED)
DTH-2A	0-12"	A	SANDY LOAM	10 YR 3/2		
	12-34"	Bw	SANDY LOAM	10 YR 5/6		
	34-112"	C	LOAMY SAND	2.5 Y 5/3		
GROUNDWATER STANDING WATER: 112"		HEADING FROM PIT FACE: --		ESTIMATED SEASONAL HIGH GROUNDWATER: --		
PARENT MATERIAL: MELT-OUT TILL		DEPTH TO BEDROCK: >112"				
PERFORMED BY: JOSEPH NINELL		WITNESSED BY: MARK ORAM				

ELEV.=208.0±		DEEP HOLE OBSERVATION LOGS				DATE: MAR. 29, 2000
TEST NO.	DEPTH FROM SURFACE (FEET)	SOIL TYPE	SOIL COLOR (MUNNELL)	SOIL WETLAND	SOIL STRUCTURE	SOIL CONSISTENCY (4 SHAVEL STONES BOLDED)
DTH-2B	0-8"	A	LOAM	10 YR 3/2		
	8-32"	Bw	SANDY LOAM	10 YR 5/6		
	32-98"	C	LOAMY SAND	2.5 Y 5/3		
GROUNDWATER STANDING WATER: --		HEADING FROM PIT FACE: --		ESTIMATED SEASONAL HIGH GROUNDWATER: >98"		
PARENT MATERIAL: MELT-OUT TILL		DEPTH TO BEDROCK: >98"				
PERFORMED BY: JOSEPH NINELL		WITNESSED BY: MARK ORAM				



LEGEND

- SEPTIC TANK []
- PUMP CHAMBER []
- PROPOSED WELL []
- WATER SERVICE []
- EDGE OF PAVEMENT []
- 100 FT. WETLAND BUFFER []
- EDGE OF VEGETATED WETLAND []
- EXISTING CONTOUR []
- PROPOSED CONTOUR []
- TEST PIT []
- PERCOLATION TEST SEWER LINE []
- PROPERTY LINES []

AS BUILT TIES - NO SCALE

SYSTEM INSPECTION DATE:
SYSTEM CONSTRUCTED BY:

HALEY WARD
ENGINEERING | ENVIRONMENTAL | SURVEYING
510 MECHANIC STREET
LEOMINSTER, MASSACHUSETTS
978.537.5296

PROJECT: **LOT 2B-A**
90A WAVERLY STREET
ASHLAND, MA 01721

PREPARED FOR: **VICTOR MOURAO**
8 JOANNE DRIVE
ASHLAND, MA 01721

TITLE: **PROPOSED SOIL ABSORPTION SYSTEM**

DATE: OCTOBER 2, 2024
SCALE: 1" = 20'

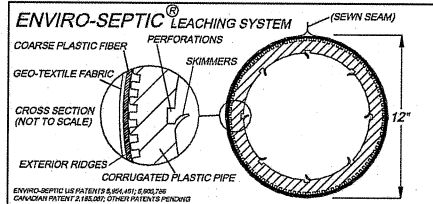
DESIGNED BY: CMB
CHECKED BY: AMC

PROJECT NO.: 2010714.002
PLAN NO.:

1 OF 2

BACKFILL NOTES

1. THE SOIL PLACED AS BACKFILL OVER THE SOIL ABSORPTION SYSTEM SHALL BE A MINIMUM OF (6) NINE INCHES, EXCLUDING TOPSOIL, PLACED IN LIFTS AND SUFFICIENTLY COMPACTED TO PREVENT DEPRESSION DUE TO SETTLING WHICH MAY INTERCEPT OR COLLECT SURFACE WATER RUNOFF ABOVE THE SYSTEM. BACKFILL MUST BE CLEAN AND FREE OF STONES AND BOULDERS GREATER THAN SIX INCHES IN SIZE. TALLINGS, CLAY OR SIMILAR MATERIALS ARE PROHIBITED.
2. FINAL COVER ABOVE THE SYSTEM SHALL BE STABILIZED AND GRADED TO REDUCE INFILTRATION OF SURFACE WATER AND MINIMIZE EROSION. FINISH GRADE SHALL HAVE A MINIMUM SLOPE OF 0.02 FEET PER FOOT.
3. THE LOAM AND SEED PLACED OVER THE BACKFILL SHALL BE A MINIMUM OF (4) FOUR INCHES IN THICKNESS.



PRESBY NOTES

- 1) SYSTEM TO BE INSTALLED IN ACCORDANCE WITH PRODUCT DESIGN AND INSTALLATION MANUAL, STATE AND LOCAL REGULATIONS. FOR PRODUCT INFORMATION OR THE NEAREST DEALER CONTACT PRESBY ENVIRONMENTAL, INC. ROUTE 117-P.O. BOX 617 SUGAR HILL, NH 03585 - PHONE 1-800-473-5298 WWW.PRESBYENVIRONMENTAL.COM
- 2) MINIMUM OF 6" OF MEDIUM TO COARSE SAND WITH LESS THAN 2% PASSING A # 200 SIEVE REQUIRED AROUND CIRCUMFERENCE OF ENVIRO-SEPTIC PIPES. (SEE DESIGN AND INSTALLATION MANUAL FOR COMPLETE SAND AND FILL SPECIFICATIONS.)
- 3) INSTALLER ADVISED TO CONTACT DIG SAFE PRIOR TO CONSTRUCTION.
- 4) DO NOT INSTALL SYSTEM ON FROZEN GROUND OR LEAVE SYSTEM UNCOVERED FOR EXTENDED PERIODS OF TIME.
- 5) NO DRAINS, HOT TUBS, SAUNAS, GARBAGE DISPOSALS ETC., SHALL BE INCORPORATED INTO THIS SYSTEM UNLESS OTHERWISE SPECIFIED.
- 6) MAINTENANCE: RECOMMEND INSPECTION OF SEPTIC TANKS AT LEAST ONCE EVERY TWO YEARS AND CLEAN IF COMBINED THICKNESS OF SLUDGE AND SCUM EQUALS MORE THAN 1/4 OF THE LIQUID DEPTH INSIDE THE TANK.
- 7) THIS DOCUMENT IS FOR THE CONSTRUCTION OF THE EFFLUENT DISPOSAL SYSTEM SHOWN. ANYONE USING INFORMATION FROM THIS DOCUMENT FOR ANY OTHER PURPOSE DOES SO AT THEIR OWN RISK.
- 8) ONLY A CERTIFIED PRESBY INSTALLER MAY INSTALL THIS SYSTEM. WRITTEN PROOF OF CERTIFICATION MUST BE PROVIDED TO THE LOCAL APPROVING AUTHORITY AND DESIGNER PRIOR TO INSTALLING THE SYSTEM.
- 9) PRIOR TO THE ISSUANCE OF A CERTIFICATE OF COMPLIANCE THE SYSTEM DESIGNER AND INSTALLER SHALL PROVIDE SEPARATE WRITTEN CERTIFICATIONS THAT THE SYSTEM HAS BEEN INSTALLED IN COMPLIANCE WITH THE D.E.P. APPROVAL LETTER FOR THE SYSTEM.
- 10) SYSTEM INSTALLER SHALL PROVIDE THE SYSTEM OWNER, DESIGNER, AND LOCAL APPROVING AUTHORITY WITH A LADING CERTIFYING THAT THE SAND MEETS ASTM-C33.
- 11) THE SYSTEM INSTALLER SHALL COMPLETE THE SYSTEM INSTALLATION FORM AND FORWARD IT TO COMPANY, DESIGNER, AND LOCAL APPROVING AUTHORITY.
- 12) PRESBY ENVIRONMENTAL, INC. WILL NOT BE RESPONSIBLE FOR SYSTEMS DESIGNED OR INSTALLED THAT DO NOT MEET THE STANDARDS ESTABLISHED BY THE PRESBY ENVIRONMENTAL PROCEDURES AND SPECIFICATIONS.

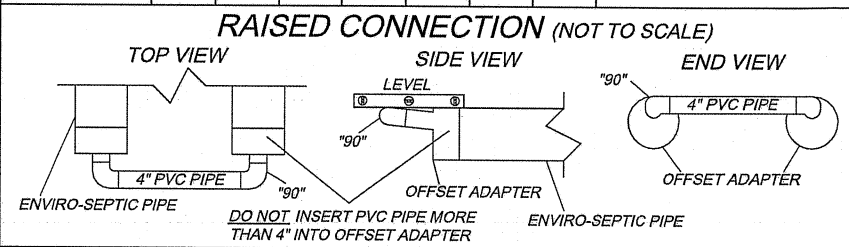
DESIGN CRITERIA

- NUMBER OF BEDROOMS: 4
- DESIGN FLOW: 4 BEDROOMS x 110 GPD = 440 GPD
- PERCOLATION RATE: 8 MIN./INCH
- ENVIRO-SEPTIC PIPE REQUIRED: 280 LINEAR FEET
- ENVIRO-SEPTIC PIPE PROVIDED: 280 LINEAR FEET
- SYSTEM SAND BED AREA REQUIRED: 667 SQ. FT. FOR A CONVENTIONAL PIPE AND AGGREGATE SYSTEM
- RESERVE AREA PROVIDED = 672 SQ. FT.
- SYSTEM SAND BED AREA PROVIDED: 504 SQ. FT. PRESBY AREA CAN BE NO LESS THAN 60% OF A CONVENTIONAL PIPE AND AGGREGATE SYSTEM
- PRESBY MANUAL CALLS FOR MINIMUM SAND BED SIZE OF 400 SQ. FT.
- SYSTEM SAND BED PROVIDED = 504 SQ. FT.
- INSTALL 7 LINES OF PRESBY ENVIRO-SEPTIC PIPE: 40' LONG (1.5' O.C.)
- SEPTIC TANK VOLUME REQUIRED: 880 GALLONS
- SEPTIC TANK VOLUME PROVIDED: 1,500 GALLONS
- NO PRODUCT SUBSTITUTIONS PERMITTED WITHOUT PRIOR APPROVAL OF DESIGNER.

- NOTES:**
- TOPSOIL AND ORGANIC MATERIAL TO BE REMOVED FROM DISPOSAL AREA PRIOR TO PLACING SAND OR FILL.
 - FINAL GRADING TO SHED SURFACE WATER AWAY FROM SYSTEM COMPONENTS.
 - MIN 10" / MAX 18" COVER OVER ENVIRO-SEPTIC PIPE

NOTE TO INSTALLER:
 CONTACT DESIGNER PRIOR TO SYSTEM INSTALLATION. DESIGNER MUST BE ON SITE ONCE TOPSOIL AND ORGANIC MATERIAL IS REMOVED AND PRIOR TO PLACEMENT OF ANY SAND OR FILL. DESIGNER MAY BE PRESENT AT HIS OPTION WHILE FILL IS PLACED AND BEFORE ENVIRO-SEPTIC PIPE IS INSTALLED.

ENVIRO-SEPTIC PIPE ELEVATIONS							
LINE NUMBER	#1	#2	#3	#4	#5	#6	#7
TOP OF SAND	207.83	207.68	207.53	207.38	207.23	207.08	206.93
TOP OF PIPE	207.50	207.35	207.20	207.05	206.90	206.75	206.60
4" PVC INVERT	207.17	-	-	-	-	-	-
BOTTOM OF PIPE	206.50	206.35	206.20	206.05	205.90	205.75	205.60
BOTTOM OF SAND	206.00	205.85	205.70	205.55	205.40	205.25	205.10
EXISTING GRADE	210.00	210.4	210.8	211.0	211.8	212.0	207.00
GROUNDWATER	202.00	203.0	203.4	203.6	204.2	205.0	199.00
AS-BUILT ENVIRO-SEPTIC PIPE ELEVATIONS							
LINE NUMBER	#1	#2	#3	#4	#5	#6	#6
TOP OF SAND							
TOP OF PIPE							
4" PVC INVERT							
BOTTOM OF PIPE							
BOTTOM OF SAND							

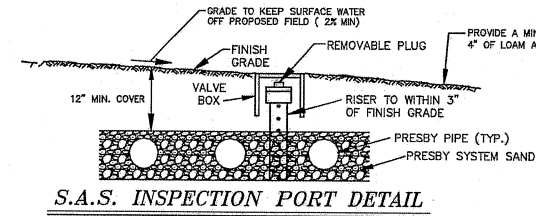
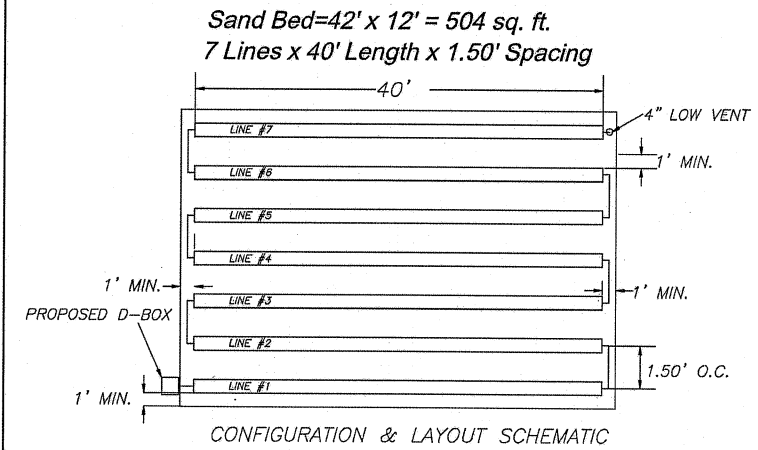
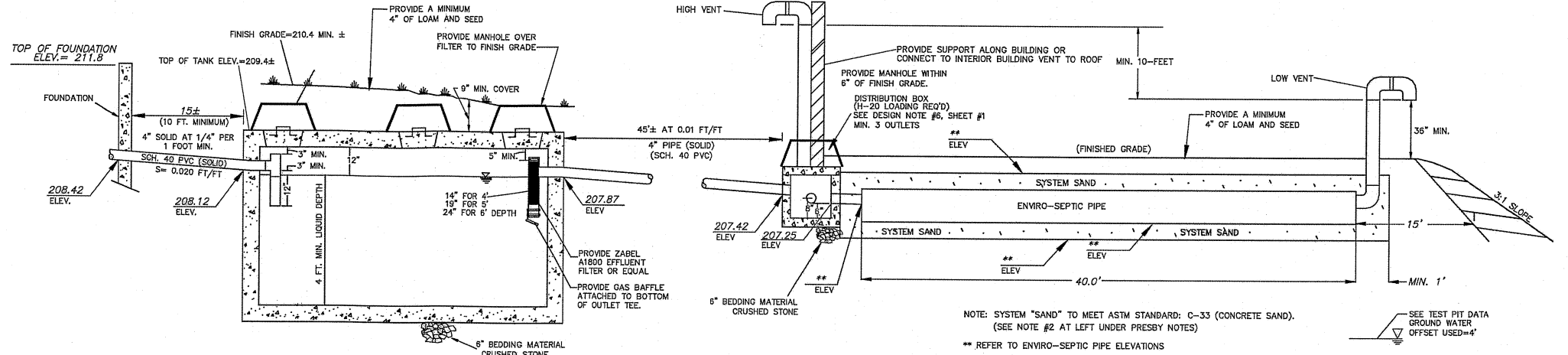


*NOTE: SEE ELEVATIONS TABLE FOR STEPPED TRENCH ELEVATIONS.

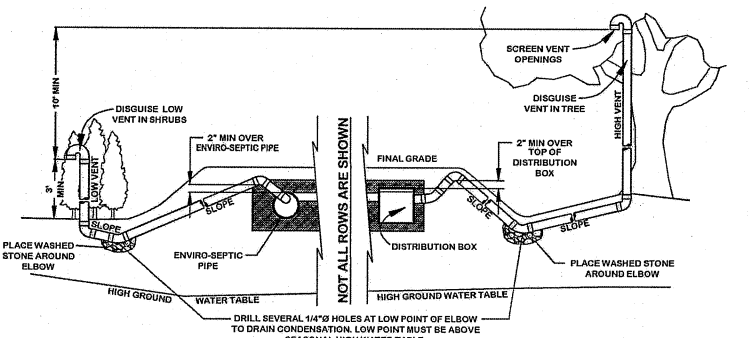
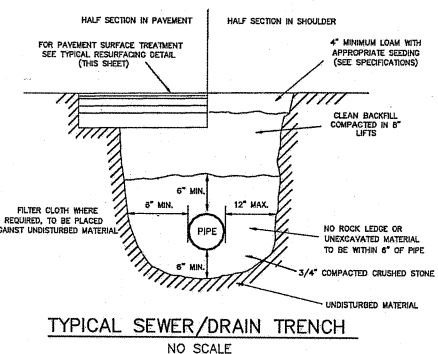
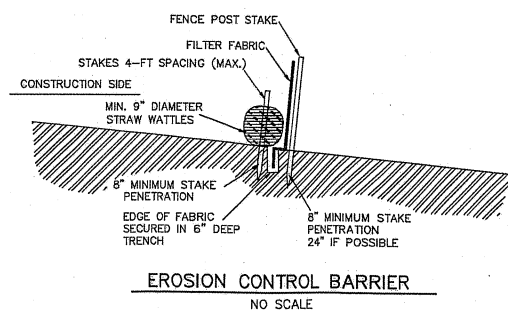
PROFILE OF SYSTEM

NOT TO SCALE

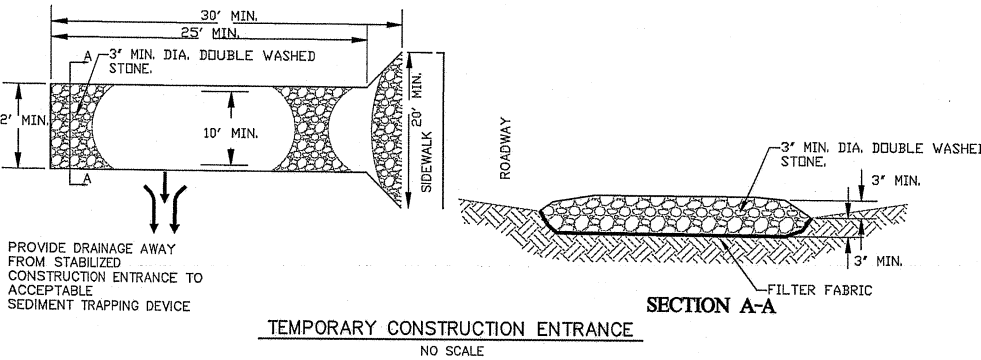
NOTE: ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED. PER 310 CMR 15.221(12)



- NOTES:**
1. PER 310 CMR 15.240(13), AN INSPECTION PORT IS REQUIRED TO BE INSTALLED AS PART OF A NEW S.A.S.
 2. INSPECTION PORT SHALL CONSIST OF A PERFORATED 4" PIPE PLACED VERTICALLY DOWN INTO THE SEPTIC SAND TO THE NATURALLY OCCURRING SOIL OR SAND FILL BELOW THE SEPTIC SAND.
 3. THE PIPE SHALL BE CAPPED WITH A SCREW TYPE CAP AND ACCESSIBLE TO WITHIN 3" OF FINISH GRADE.
 4. IF PRESBY SYSTEM IS USED, INSPECTION PORT TO BE PLACED IN MIDDLE OF PRESBY SYSTEM BETWEEN LATERALS.
 5. VALVE BOX IS OPTIONAL.
 6. THE INSPECTION PORT PIPE SHALL BE WRAPPED IN GEOTEXTILE FABRIC.



NOTE: THE HIGH VENT CAN BE THROUGH THE ROOF VENT. IF VENTING THROUGH THE ROOF IS NOT ABLE TO BE ACHIEVED REMOTE HIGH VENT IS REQUIRED



REV.	DATE	DESCRIPTION	BY	CHK.
DRAWING ISSUE STATUS				
<p>HALEY WARD ENGINEERING ENVIRONMENTAL SURVEYING 510 MECHANIC STREET LEOMINSTER, MASSACHUSETTS 978.537.5296</p>		PROJECT: LOTY 2B-A 90A WAVERLY STREET ASHLAND, MASSACHUSETTS 01721		
		PREPARED FOR: VICTOR MOURAO 8 JOANNE DRIVE ASHLAND, MA 01721		
PROPOSED SOIL ABSORPTION SYSTEM				
DATE: OCTOBER 2, 2024 SCALE: 1" = 20'		DRAWN BY: CMB DESIGNED BY: CMB CHECKED BY: AMC PROJECT NO.: 3010714.002 COMP. NO.: PLAN NO.: DRAWING NO.: REV.:		
2 OF 2				