

NOTICE OF INTENT

SEPTIC TANK REPLACEMENT

Submitted To:

**Town Of Granville
Conservation Commission**

c/o Leon Ripley, Chairperson

Town Hall

707 Main Road

PO Box 247

Granville, MA 01034

Project Location:

25 Granby Road

Granville, MA

Prepared For:

Pamala Wood

25 Granby Road

Granville, MA 01034

SALVINI ASSOCIATES LLC

Land Surveyors

Wetland Scientists

Land Use Consultants

Office Locations:

585 Route 20
P. O. Box 742
Chester, MA 01011
(413) 354-1032

www.SALVINIassociates.com

April 27, 2022

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NOTICE of INTENT

25 Granby Road, Granville MA

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Section 1

Cover Letter

April 28, 2022

Granville Conservation Commission
707 Main Road
Granville, MA 01034

**RE: Notice of Intent, Septic System Replacement 25 Granby Road, Granville,
MA**

Dear Chairperson, Leon Ripley:

On behalf of Pamala Wood, Salvini Associates, LLC is submitting this Notice of Intent for the replacement of an existing septic system for a single-family house located at 25 Granby Road in Granville, MA (Granville tax map 202 parcel 3). The subject property is located within the 100-year flood zone, Bordering Land Subject to Flooding. A portion of the property is located within the Riverfront Area of a tributary to Trumbull Brook. Both resource areas are regulated under the protection of the Massachusetts Wetland Protection Act.

The new septic system will be located within the existing lawn approximately 110 feet from the top of bank. The system will be partially above ground and will displace approximately 1,140 cubic feet. Please see the attached Resource Report, Photographs and Site and Septic System Design Plans.

We appreciate the Commission's review of this project. Please see the attached Notice of Intent. If the commission has any questions regarding this application or would like to schedule a site visit, please do not hesitate to contact me by email: jeff.smith726@gmail.com or call 413-977-7395.

Respectfully,



Jeffrey K. Smith, PWS
Field Scientist

Office Locations
CHESTER

585 Route 20 ~ P. O. Box 742 ~ Chester, MA 01011
(413) 354-1032

Email: steves@SALVINIassociates.com

Website: www.SALVINIassociates.com

Section 2

**WPA Form 3-Notice of Intent
Abutter Notification
Affidavit of Service**



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands

Provided by MassDEP:

WPA Form 3 – Notice of Intent

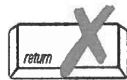
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

MassDEP File Number

Document Transaction Number

City/Town

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



Note:
 Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

25 Granby Road
 a. Street Address

Granville
 b. City/Town

01034
 c. Zip Code

42.06544N
 d. Latitude

72.86160W
 e. Longitude

MAP 202
 f. Assessors Map/Plat Number

LOT 3
 g. Parcel /Lot Number

2. Applicant:

Pamela
 a. First Name

Woods
 b. Last Name

c. Organization

25 Granby Road
 d. Street Address

Granville
 e. City/Town

MA
 f. State

01034
 g. Zip Code

413-357-6398
 h. Phone Number

i. Fax Number

catmint@comcast.net
 j. Email Address

3. Property owner (required if different from applicant): Check if more than one owner

NA
 a. First Name

NA
 b. Last Name

c. Organization

NA
 d. Street Address

NA
 e. City/Town

NA
 f. State

NA
 g. Zip Code

NA
 h. Phone Number

NA
 i. Fax Number

NA
 j. Email address

4. Representative (if any):

Stephen
 a. First Name

Salvini
 b. Last Name

Salvini Associates, LLC
 c. Company

585 Route 20 ~ P O Box 742
 d. Street Address

Chester
 e. City/Town

MA
 f. State

01011
 g. Zip Code

413-354-1032
 h. Phone Number

413-354-6545
 i. Fax Number

salvini@comcast.net
 j. Email address

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

\$110.00
 a. Total Fee Paid

\$42.50
 b. State Fee Paid

\$67.50
 c. City/Town Fee Paid



WPA Form 3 - Notice of Intent

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

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City/Town

A. General Information (continued)

6. General Project Description:

Replacement of an existing septic system for a single family home located within the 200 Foot Riverfront Area and Bordering Land Subject to Flooding

7a. Project Type Checklist:

- 1. [X] Single Family Home
2. [] Residential Subdivision
3. [] Limited Project Driveway Crossing
4. [X] Commercial/Industrial
5. [] Dock/Pier
6. [] Utilities
7. [] Coastal Engineering Structure
8. [] Agriculture (e.g., cranberries, forestry)
9. [] Transportation
10. [X] 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 CMR 10.53 (inland)?

1. [] Yes [X] No If yes, describe which limited project applies to this project:

2. Limited Project

8. Property recorded at the Registry of Deeds for:

Hamden County

a. County

21542

c. Book

b. Certificate # (if registered land)

546

d. Page Number

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

- 1. [] Buffer Zone Only - Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
2. [X] Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

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



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

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MassDEP File Number _____

Document Transaction Number _____

City/Town _____

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

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
d. <input checked="" type="checkbox"/> Bordering Land Subject to Flooding	1. square feet _____ 3. cubic feet of flood storage lost _____	2. square feet _____ 4. cubic feet replaced _____
e. <input type="checkbox"/> Isolated Land Subject to Flooding	NA 1. square feet _____ NA 2. cubic feet of flood storage lost _____	NA 3. cubic feet replaced _____
f. <input checked="" type="checkbox"/> Riverfront Area	<u>Un named tributary to Trumbell Brook</u> 1. Name of Waterway (if available) _____	

2. Width of Riverfront Area (check one):

- 25 ft. - Designated Densely Developed Areas only
- 100 ft. - New agricultural projects only
- 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: 15,234.2
square feet

4. Proposed alteration of the Riverfront Area:

a. total square feet _____ 0.00 b. square feet within 100 ft. _____ c. square feet between 100 ft. and 200 ft. _____

5. Has an alternatives analysis been done and is it attached to this NOI? Yes No

6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
 Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	NA 1. square feet _____ NA 2. cubic yards dredged _____	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	NA 1. square feet _____	NA 2. cubic yards beach nourishment _____
e. <input type="checkbox"/> Coastal Dunes	NA 1. square feet _____	NA 2. cubic yards dune nourishment _____



WPA Form 3 – Notice of Intent

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

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

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	NA 1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	NA 1. square feet	
h. <input type="checkbox"/> Salt Marshes	NA 1. square feet	NA 2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	NA 1. square feet	
	NA 2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	NA 1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	NA 1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	NA 1. square feet	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	NA a. square feet of BVW	NA b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings	NA a. number of new stream crossings	NA b. number of replacement stream crossings

C. Other Applicable Standards and Requirements

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

- 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 and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/priority_habitat/online_viewer.htm.

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
100 Hartwell Street, Suite 200
West Boylston, MA 01583**

b. Date of map



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

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C. Other Applicable Standards and Requirements (cont'd)

3. Separate MESA review completed.
 Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.
2. For coastal projects only, is any portion of the proposed project located below the mean high water line 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
1213 Purchase Street – 3rd Floor
New Bedford, MA 02740-6694 | Division of Marine Fisheries - North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930 |

Also if yes, the project 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 MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- NA
- b. ACEC
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. Check why the project is exempt:
1. Single-family house

Online Users:
 Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.



WPA Form 3 – Notice of Intent

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

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C. Other Applicable Standards and Requirements (cont'd)

- 2. Emergency road repair
- 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.

- 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.

Survey Site Plan

a. Plan Title

Salvini Associates, LLC,

b. Prepared By

April 27, 2022

d. Final Revision Date

Stephen Salvini PLS

c. Signed and Stamped by

1" = 20'

e. Scale

Septic System Design Plan,

f. Additional Plan or Document Title

April 8, 2022

g. Date

- 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 Number

Document Transaction Number

City/Town

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:

1038	5-4-2022
2. Municipal Check Number	3. Check date
1037	5-4-2022
4. State Check Number	5. Check date
Salvini Associates, LLC	Salvini Associates, LLC
6. Payor name on check: First Name	7. Payor 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.

1. Signature of Applicant	April 2022
2. Date	
3. Signature of Property Owner (if different)	4. Date
<i>Stephen A. Salvini</i>	April 2022
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 any part of Section C, Item 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
NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

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



A. Applicant Information

1. Location of Project:

25 Granby Road Granville, MA
 a. Street Address b. City/Town
\$67.50, Town and \$42.50 State
 c. Check number d. Fee amount

2. Applicant Mailing Address:

Pamala Wood
 a. First Name b. Last Name
 c. Organization
25 Granby Road
 d. Mailing Address
Granville MA 01034
 e. City/Town f. State g. Zip Code
413-
 h. Phone Number i. Fax Number j. Email Address

3. Property Owner (if different):

NA NA
 a. First Name b. Last Name
NA
 c. Organization
NA
 d. Mailing Address
NA NA NA
 e. City/Town f. State g. Zip Code
NA NA NA
 h. Phone Number i. Fax Number j. Email Address

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).

B. Fees

Fee should be calculated using the following process & worksheet. **Please see Instructions before filling out worksheet.**

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

1037

SALVINI ASSOCIATES, LLC
585 ROUTE 20
CHESTER, MA 01011



53-7160/2118

DATE 5-4-22

PAY TO THE ORDER OF

COMMONWEALTH OF MASSACHUSETTS

\$ 42.50

Forty-two Dollars and 50/100

DOLLARS



WESTFIELD BANK
WESTFIELD, MA 01085

FOR NOI-WOOD 25 GRANTY RD, GRANVILLE

Steph A Salvi

⑆001037⑆ ⑆21871604⑆



1038

SALVINI ASSOCIATES, LLC
585 ROUTE 20
CHESTER, MA 01011



53-7160/2118

DATE 5-4-22

PAY TO THE ORDER OF

TOWN OF GRANVILLE

\$ 67.50

Sixty seven Dollars and 50/100

DOLLARS



WESTFIELD BANK
WESTFIELD, MA 01085

FOR NOI-WOOD 25 GRANTY RD

Steph A Salvi

⑆001038⑆ ⑆21871604⑆



SALVINI Associates, LLC

Land Surveyors-Wetland Scientists-Land Use Consultants
Surveying Western Massachusetts Since 1995

April 28, 2022

Notification to Abutters

*Under the Massachusetts Wetland Protection Act, 310 CMR 10
In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40,
you are hereby notified of the following:*

- A. A Notice of Intent has been filed with the Town of Granville Conservation Commission under the Wetland Protection Act, for:
- B. Name of Applicant: **Pamala Wood
25 Granby Road
Granville, MA 01034**
- C. Project Location: **25 Granby Road, Granville, MA**
- D. Copies of the Notice of Intent may be examined and/or obtained at the:
- Town of Granville Conservation Commission
707 Main Road
Granville, MA 01034**
- E. Notice of the public hearing, including its date, time and place, will be published at least five (5) days prior in **The Country Journal or The Westfield Evening News.**
- F. Notice of the public meeting, listing all hearings, including the date, time and place will be posted in the Town Hall not less that forty-eight (48) hours in advance of the meeting.
- G. Additional information regarding the hearing and/or application can be obtained at:

**Department of Environmental Protection
Western Regional Office
Phone number: 413-784-1100.**

Sincerely,
SALVINI Associates



Stephen A. Salvini
Professional Land Surveyor

Office Location

585 Route 20 ~ P. O. Box 742 ~ Chester, MA 01011
(413) 354-1032

Email: steves@SALVINIassociates.com

Website: www.SALVINIassociates.com

SALVINI Associates, LLC

Land Surveyors-Wetland Scientists-Land Use Consultants

Surveying Western Massachusetts Since 1995

April 26, 2022

AFFIDAVIT OF SERVICE

Under the Massachusetts Wetlands Protection Act

I, Jeffrey K. Smith, hereby certify under the pains and penalties of perjury that on or about April 26, 2022 I gave notification to abutters in compliance with the second paragraph of the Massachusetts General Laws, Chapter 131, Section 40 and the DEP Guide to Abutter Notification in connection with the following matter:

A Notice of Intent was filed under the Massachusetts Wetlands Protection Act by Ms. Pamala Wood with the Town of Granville Conservation Commission on or about April 26, 2022 for approval of a septic system replacement for a single family home at 25 Granby Road, Granville, MA.

The form of notification and the list of abutters to whom it was given, and their addresses are attached to this Affidavit of Service.

Sincerely,

SALVINI Associates, LLC



Jeffrey K. Smith
Professional Wetland Scientist

Office Locations

CHESTER
(413) 354-1032

WESTFIELD
(413) 568-1032

Website: www.SALVINIassociates.com



100 foot Abutters List Report

Granville, MA
April 18, 2022

Subject Property:

Parcel Number: 027-071-0
CAMA Number: 027-071-0
Property Address: 25 GRANBY RD

Mailing Address: WOOD PAMELA D, LIFE ESTATE WOOD
CHRISTOPHER T
25 GRANBY RD
GRANVILLE, MA 01034

Abutters:

Parcel Number: 027-047-0
CAMA Number: 027-047-0
Property Address: 12 16 GRANBY RD

Mailing Address: GRANVILLE FEDERATED CHURCH
PARISH HOUSE
PO BOX 246 16 GRANBY ROAD
GRANVILLE, MA 01034-0246

Parcel Number: 027-048-0
CAMA Number: 027-048-0
Property Address: 30 GRANBY RD

Mailing Address: FLARIDA MICHAEL E FLARIDA DALE L
30 GRANBY RD
GRANVILLE, MA 01034

Parcel Number: 027-070-0
CAMA Number: 027-070-0
Property Address: 14 WATER ST

Mailing Address: BROWN IAN T
14 WATER ST
GRANVILLE, MA 01034

Parcel Number: 027-072-0
CAMA Number: 027-072-0
Property Address: 23 GRANBY RD

Mailing Address: CARPENTER AMOS B III/ LIFE EST
CARPENTER KAREN A
23 GRANBY RD
GRANVILLE, MA 01034

Parcel Number: 027-073-0
CAMA Number: 027-073-0
Property Address: 19 GRANBY RD

Mailing Address: NEWELL JARED
44 BUCKINGHAM ST
SPRINGFIELD, MA 01109

Parcel Number: 027-076-0
CAMA Number: 027-076-0
Property Address: 11 GRANBY RD

Mailing Address: GRANVILLE REALTY LLC
P O BOX 326 11 GRANBY RD
GRANVILLE, MA 01034-0326

Parcel Number: 027-080-0
CAMA Number: 027-080-0
Property Address: 0 MAIN RD

Mailing Address: BESNIA KEITH A
PO BOX 93 18 WATER STREET
GRANVILLE, MA 01034-0093



www.cai-tech.com

Data shown on this report is provided for planning and informational purposes only. The municipality and CAI Technologies are not responsible for any use for other purposes or misuse or misrepresentation of this report.

Section 3

Project Narrative and Resource Report

PROJECT NARRATIVE and RESOURCE REPORT 25 GRANBY ROAD, GRANVILLE MA

As requested by Pamala Wood, Salvini Associates, LLC is submitting this Notice of Intent for the proposed replacement of the septic system at her home, a single-family house located at 25 Granby Road, Granville, MA. The property is a 0.50-acre lot located along Granby Road, listed as Lot 027-071-0 on Town of Granville's GIS site. (See Figure 1 in Section 6). An unnamed perennial stream is located at the westerly end of the property and is shown on the U.S.G.S. Southwick Topographical Map (see Figure 2 in Section 6). Most of the property lies within the 200 Foot Riverfront Area of the stream. The majority of the property is also mapped as Bordering Land Subject to Flooding.

Review of FEMA flood maps shows 2/3rds of the property to be within the 100-year and 500-year flood zones. None of the property is located within a velocity zone or a floodway. The Flood Hazard Boundary Firmette map developed from FEMA's GIS Flood Hazard Layer is shown on Figure 3 in Section 6. Based on Oliver Mass GIS, there are no mapped Aquifers, or public water supplies located on or adjacent to the property. The subject property is located within an Interim Wellhead Protection Area and is shown on the Septic System Plan.

Using MassMapper, the NHESP map shows there are no Vernal Pools, Estimated Habitat of Rare Wildlife, Priority Habitats or Natural Communities polygons within the subject property. (See Figure 4 in Section 6)

To meet current Title 5 requirements the system will be raised and will displace approximately 15 cubic yards. Compensatory storage within the subject property is difficult due to the levelness of the land. Please see the attached site plan (Figure 5) and septic system plan (Figure 6) for design specifications. Erosion and sedimentation control measures will be in place throughout construction and until the site is stabilized with new vegetation.

Resource Report

Salvini Associates, LLC completed resource assessments and bank delineations on October 12th 2021. There are no Bordering Vegetated Wetlands or Isolated Land Subject to Flooding within the subject property. The property is residential with a single-family house, two car garage and lawn. The new septic system is proposed to be located in the back yard in the same location as the existing system.

Riverfront Area, and Bordering Land Subject to Flooding

Riverfront Area, as stated in 310 CMR 10.58(2) (a), is "A Riverfront Area is the area of land between a river's mean annual high waterline and a parallel line measured horizontally".

Bordering Land Subject to Flooding, as stated in 310 CMR 10.57 (2) (a) (3) "The boundary of Bordering Land Subject to Flooding is the estimated maximum lateral extent of flood water which will theoretically result from the statistical 100-year frequency storm."

The subject property is within the 100-year flood zone and the regulated floodway. This is based on the current National Flood Hazard Layer using FEMA's GIS, as shown on Figure 3 in Section 6 herein.

Bank delineations were conducted along the stream to determine the mean annual high water (MAHW) and the boundary of the Riverfront Area. The stream is a perennial stream with associated Banks and Land under Water and flows south, southeasterly to its confluence with Trumbull Brook approximately 700 feet downstream from the project location. The mean annual high-water line was determined based on a break in slope and change in vegetation as described in 310 CMR 10.58(2) (a) to define the inside line of the Riverfront Area. The stream channel is 5 to 6 feet wide with a substrate of composed of sand and gravel, and cobble and small boulder sized stone. Stream flow and water depth were near normal at the time of the site assessment.

The stream banks are about 12 feet across and are steep but stable with good vegetative cover. There is no work proposed within the stream or along the banks. The mean annual high-water line along the near side of the stream is marked with blue flagging marked MAHW-1 through MAHW-5 and are shown on the site plan.

Resource Area Impacts and Performance Standards

Impacts to resource areas should be minimal and temporary, limited to the existing lawn area where the new septic system is located. There will be no additional excavation required outside of the septic system workspace. No work will take place within any other resource areas including Banks, Land Under Water or Bordering Vegetated Wetlands.

There is a total of 116,270 square feet of Riverfront Area within the subject property. The total work area within the Riverfront Area is approximately 1,170 square feet, less than 10%. There should not be any permanent impacts as a result of the replacement. Only a small portion of the workspace will be located within the inner 100 feet of Riverfront Area. The system will be in the outer 100 feet of the 200 Foot Riverfront Area. The construction area is separated from the stream by a level lawn, and a wooded corridor along the stream.

The location of the replacement system does not lie within a Floodway or an area that will restrict flow or increase flood water velocity. There is no suitable location for the septic system located outside of the 100-year flood zone. There is no suitable place within the property to add the compensatory storage to offset the raised system. Cutting in near the house and foundation will increase the likelihood of flooding near the house, which is outside of the 100-year flood area. The volume of displacement is negligible. There is no alternative to replacing the septic system. Replacement is required under Massachusetts Title 5. The total volume of new material within the flood zone is 1040 cubic feet. This amount of displacement would raise flood waters during peak flow by 0.05 feet and if extrapolated over the entire flood zone would be negligible. As stated in 310 CMR 10.57(4) *General Performance Standards. (a) Bordering Land Subject to Flooding. 1. Compensatory storage shall be provided for all flood storage volume that will be lost as the result of a proposed project within Bordering Land Subject to Flooding, when in the judgment of the issuing authority said loss will cause an increase or will contribute incrementally to an increase in the horizontal extent and level of flood waters during peak flows.*

Straw wattles will be placed along the perimeter of the workspace to contain any runoff or sedimentation within the workspace. The lawn will be reseeded with native grasses and straw mulch, or jute fabric will be used to stabilize the site.

Conclusion

Salvini Associates, LLC assessed the property at 25 Granby Road, Granville and delineated the near bank of a perennial stream along the mean annual high-water mark to determine the 200 Foot Riverfront Area for the perennial stream. Based on 310 CMR 10.02 (1), Statement of Jurisdiction, the Riverfront Area and Land Subject to Flooding are subject to protection under M.G.L. c. 131 § 40. There are no municipal Wetland Bylaws protecting any resource areas within the property.

The new septic system should have a positive impact on ground water quality and should not have any negative impacts to any resource areas on or adjacent to the subject property. This Notice of Intent is for approval to replace the existing septic system at 25 Granby Road, Granville, MA as shown on the Plans listed as Figures 5 and 6 in Section 6.

Section 4

Site Photographs

**25 Granby Road, Granville MA
Site Photographs, October 14, 2021**



View east in the backyard where the replacement septic system is proposed: This location is 175 feet from the top of bank and at the outer limits of the 100-Year Flood Area.



View west towards the stream from proposed septic system location: This portion of the yard is within the 100-year flood zone.

**25 Granby Road, Granville MA
Site Photographs, October 14, 2021**

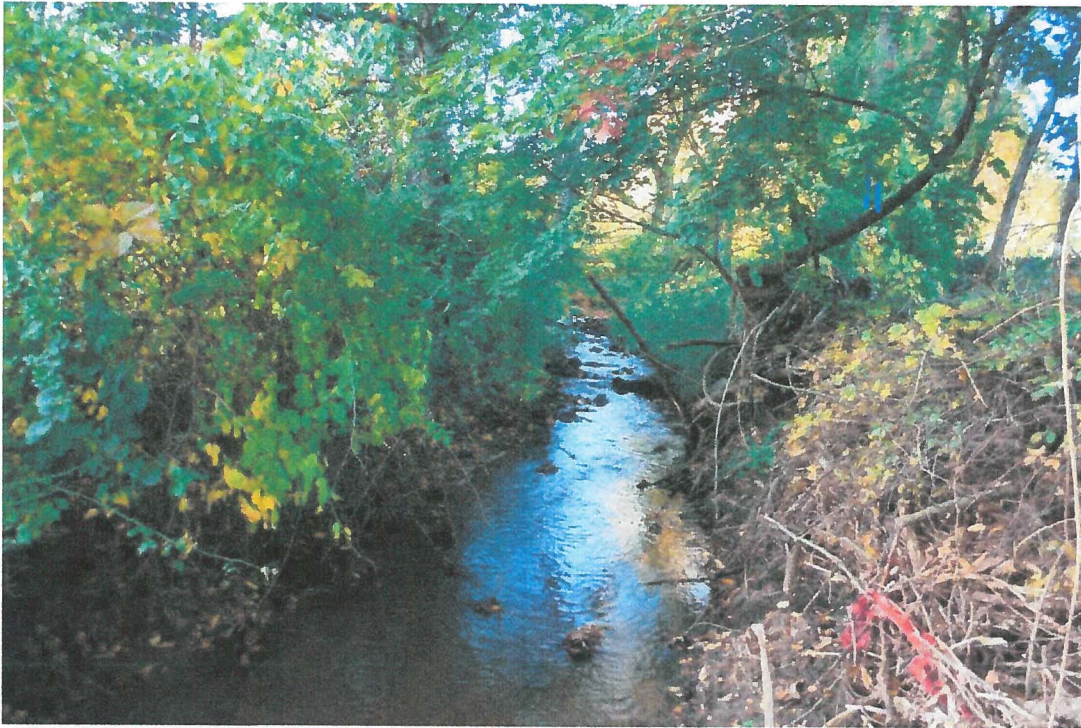


View west from the back yard along the stream bank:



View west at the north, upstream flag MAHW-1:

**25 Granby Road, Granville MA
Site Photographs, October 14, 2021**



View north looking upstream:



View south looking downstream:

**25 Granby Road, Granville MA
Site Photographs, October 14, 2021**



View of stream substrate:



View west at the southwest property corner and flag MAHW-4:

Section 5

Figures

25 granby rd granville ma X Q
Show search results for 25 granby rd ...



25013C0335E
eff. 7/16/2013

Search result X
25 Granby Road, Granville MA 01034 USA
[Zoom to](#) ...

Town of Southwick
250149

25013C0354E
eff. 7/16/2013

Town of Granville
250139
Zone A

25013C0345E
eff. 7/16/2013

25013C0361E
eff. 7/16/2013

25013C0362E
eff. 7/16/2013

Zone A

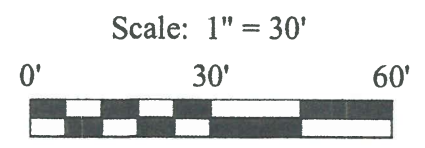
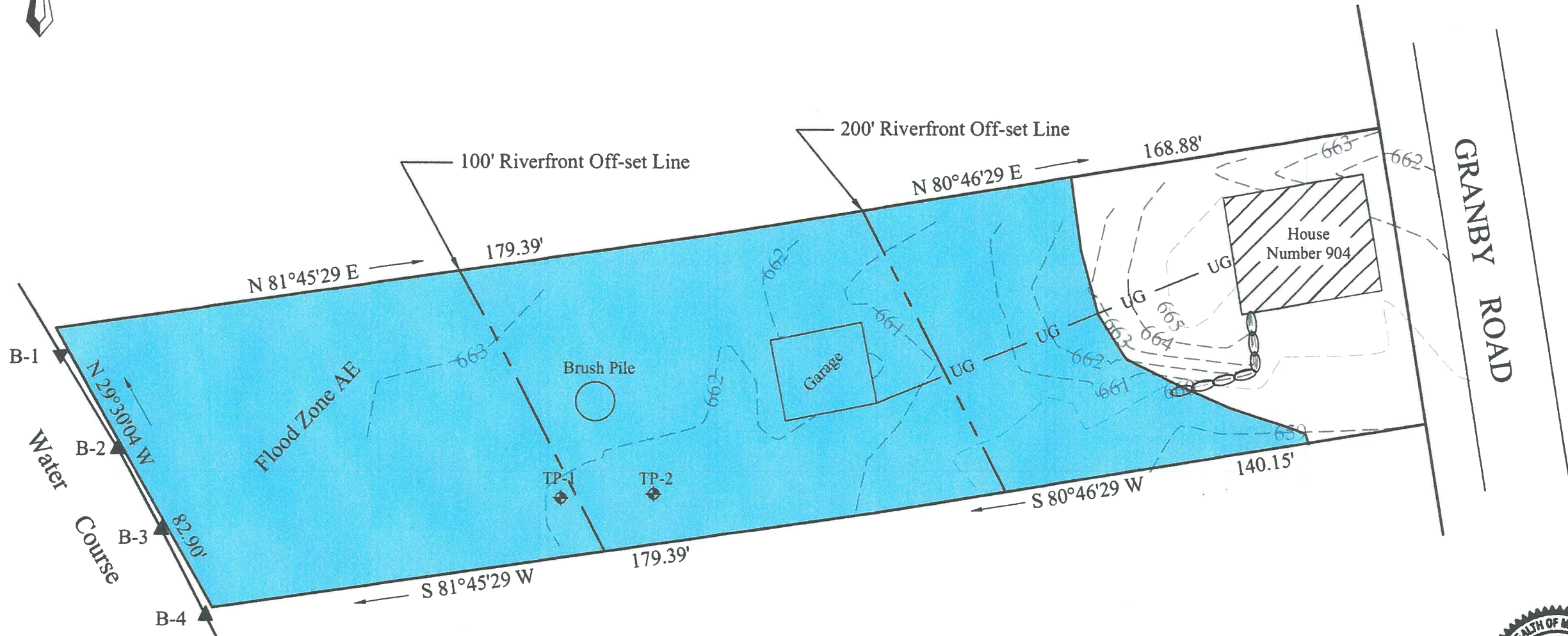
Zone A

App State X
Click to restore the map extent and layers visibility where you left off.

660m
-72.877 42.068 Degrees

USGS The National Map: Orthoimagery Data





Flood Plane Elevation = 662



REVISIONS:	DATE:
PLAN DATE: 1-12-22	SCALE: 1" = 30'

SALVINI Associates, LLC
 Land Surveyors - Wetland Scientists - Land Use Consultants
 585 Route 20 - P.O. Box 742 - Chester, Massachusetts 01011
 Ph: (413) 354-1032 ~ Fax: (413) 354-6545 ~ Web: SALVINIassociates.com

Plan To Accompany
 Notice of Intent
PAMELA WOODS
 25 Granby Road, Granville, MA

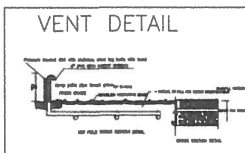
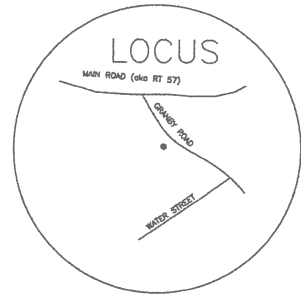
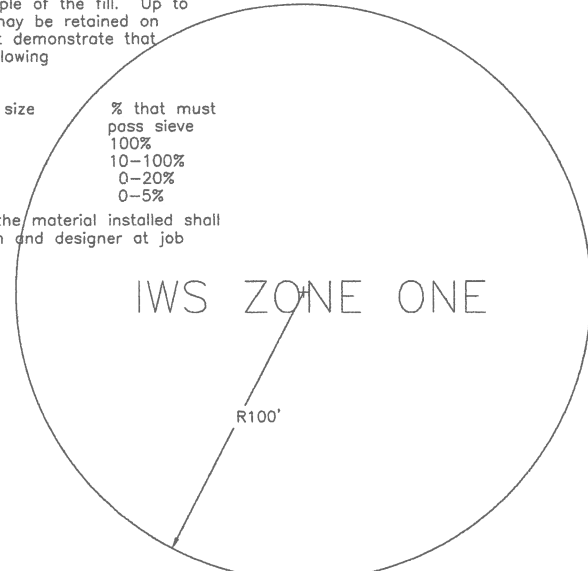
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NOI

THE CONTRACTOR SHALL BE MADE AWARE OF THEIR OBLIGATION TO NOTIFY THE DESIGNER AT THE START OF CONSTRUCTION SUCH THAT THE DESIGNER CAN COMPLY WITH 310 CMR 15.021(2) WHICH STATES THAT "THE DESIGNER SHALL INSPECT THE CONSTRUCTION AFTER THE INITIAL EXCAVATION, PRIOR TO BACKFILLING, AND DURING BACKFILLING".

Fill Material for systems constructed in fill shall consist of select on site or imported soil material. The fill shall be comprised of clean granular sand, free from organic matter and deleterious substances. Mixtures and layer of different classes of soil shall not be used. The fill shall not contain any material larger than two inches. A sieve analysis, using a #4 sieve, shall be performed on a representative sample of the fill. Up to 45% by weight of the fill sample may be retained on the #4 sieve. Sieve analyses must demonstrate that the material meets each of the following specifications.

Sieve size	Effective particle size	% that must pass sieve
#4	4.75 mm	100%
#50	0.30 mm	10-100%
#100	0.15 mm	0-20%
#200	0.075 mm	0-5%

A lab certified sieve analysis on the material installed shall be provided to the Board of Health and designer at job commencement.



Percolation rate = BY SOILS DETERMINATION.
Soil Class = 1
of Bedrooms = 3
No garbage grinder is allowed
Required = 330 (gal/day) / .66 (gal./sq. ft.) = 500sq/ft.
Provided = 560SF: 15' WIDE BY 35' LONG
FS = 1.12

- PUMP SPECS**
- * Pump shall be Gould 3886 (115 volt).
 - * Pump switch shall be Gould A2-11 (mercury float).
 - * The high liquid level alarm panels shall be Gould A4-2 115 volt single phase, 60HZ.
 - * The junction box shall be a watertight NEMA 4x A82J interior mounted on a dedicated circuit.
 - * Check valve shall be A9-2P DELUXE (with throttle) plastic with compression seal.
 - * Drill a 1/4" diameter bleeder hole in discharge pipe within the pump chamber but above the check valve for drain back.
 - * Tank risers to within 6" of fin. grade.
 - * Pipe from house to tank shall be schedule 40 4" PVC.
 - * Pipe from tank to pump chamber shall be SDR 35 4" PVC.
 - * Pipe from pump chamber to d-box shall be 2" schedule 40 PVC.
 - * Pipe in disposal bed shall be 4" perf PVC SDR 35.
 - * Strip off A & B horizons including 5' around perimeter of entire SAS
 - * Replace in 6" lifts with clean sand meeting title V requirements and compact to 95% density by Proctor.
 - * A pre construction conference is required.
 - * Dig safe must be contacted prior to start of construction.
 - * This plan is not a survey. The owner or agent is responsible for verification of all property lines.

** Install one Zabel effluent filter A1800 BX 18 per manf. specs and warranty info provided to homeowner
NOTE: pressure line to be either buried at least 48" below finish grade or provide 100% negative drainback grade.

DRAIN BACK CALCULATIONS
VOLUME = 3.14 x R (SOD) x height or length
VOLUME = 3.14 x (.08 ft) x 100' = 2.51 CU. FT.
VOLUME = 3.14 x (.0064 sf) x 100' = 2.00 CU. FT.
2 CU. ft. x 7.48 gals. per CU. ft. = 15 gals.

PUMP SETTINGS
Pump chamber shall be USI (1000 gal) Capacity = 271 gals./lin.ft
6 doses per day.
330 gals / 6 doses/day = 55 gals.
GALS/DAY DOSE + DRAIN BACK = 55 + 15 = 70 gals[appx.]
271 gal./lin. ft x .26 lin. ft. = 70.46 gals pumped/dose.

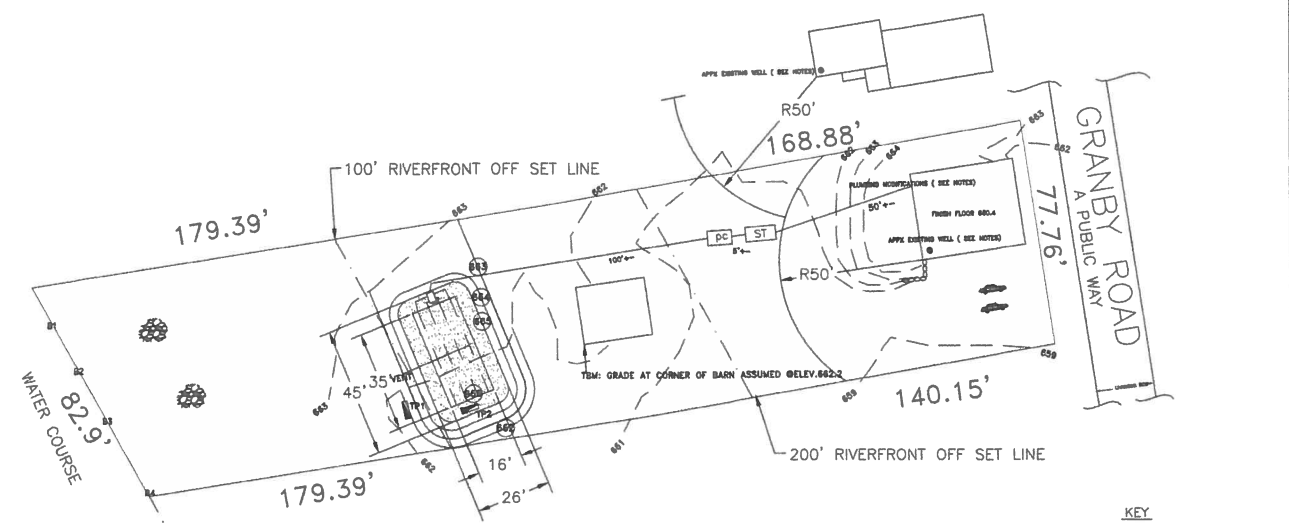
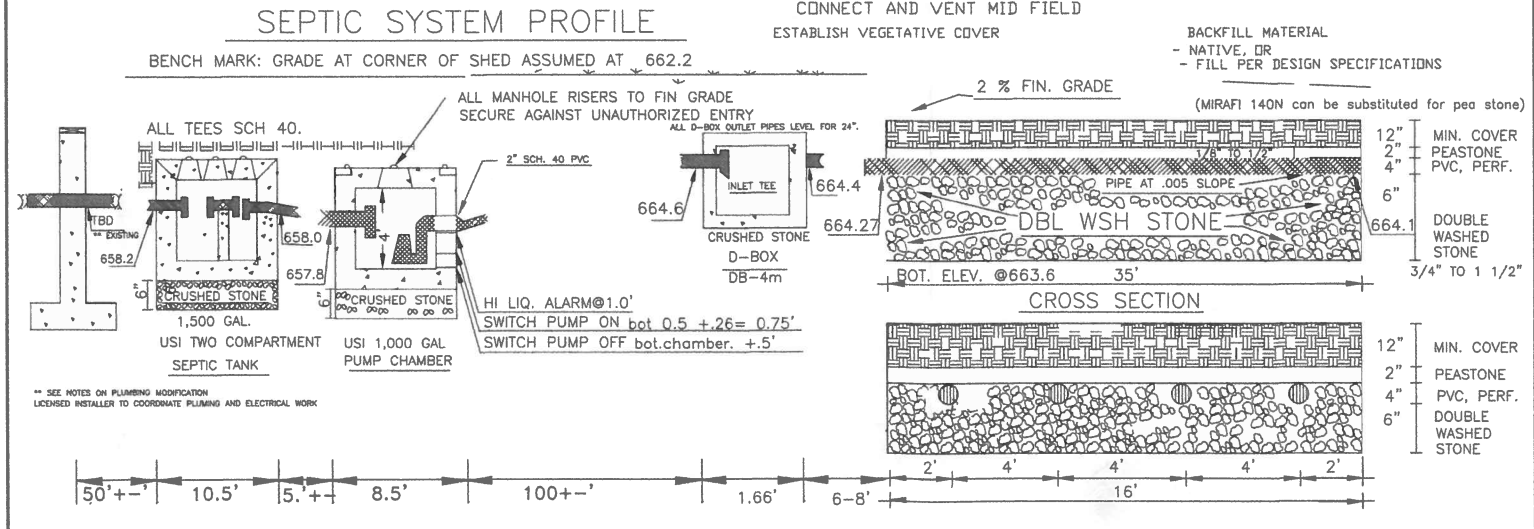
PUMP COUNTERWEIGHT CALCULATIONS
assume totally submerged and empty.
* tank size (1,000gal) 7.25' long x 6' wide x 5.66' high.
displaced volume = (7.25') (6') x (5.66') x (7.5gal/cuft) = 1,846gals.
* maximum uplift (gals) = (1,846gals) x (8.34lbs/gal) = 15,395lbs
* tank weight/ UNDERGROUND SUPPLY INC. appx. 8,765lbs
* overburden weight = 7.25' long x 6' wide x 2.5' depth x 100lbs/cuft. = 10,875lbs.
* total empty weight = tank weight + overburden = total weight (lbs)
* total empty weight = 8,765lbs + 10,875lbs = 19,640lbs.
* if maximum uplift < total tank weight than counterweight not needed.
* check 15,395 < 19,640lbs, counterweight not needed.

NOTE: THIS IS NOT A PROPERTY SURVEY, THE OWNER OR AGENT IS RESPONSIBLE TO INSURE THE SEPTIC SYSTEM IS INSTALLED ON THE SUBJECT PARCEL.

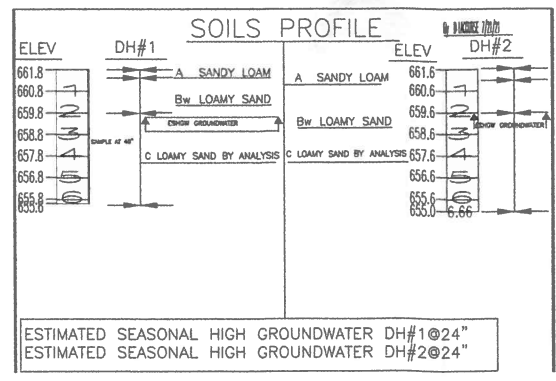
All systems shall have a minimum of one (1) inspection port located in the middle of the field consisting of a perforated four (4) inch pipe placed vertically down into the stone to the naturally occurring soil or sand fill below the stone. The pipe shall be capped with a screw type cap and accessible within three (3) inches of finish grade.
Magnetic tape to be applied at 12 O' Clock to all lines but NOT deeper than 24" below finish grade.

GENERAL SPECIFICATIONS

- * Percolation test holes and deep pit locations are field located.
- * Do not remove any top soil off the site unless ordered by the Designer or indicated on the plan.
- * This design is schematic; adjustments of locations, dimensions and elevations of septic tank and leaching system may be necessary to conform to field conditions. Changes in the design shall be approved by the board of Health, the Designer or both.
- * All construction shall be in strict compliance with Mass. Title V as administered by the Board of Health.
- * The septic tank shall be of the size indicated and shall be pre-cast reinforced watertight concrete as manufactured by Arrow concrete or an approved equal.
- * The D-box shall have an inlet "tee" & min. 6" sump below outlet invert elev.
- * All disposal trench pipes must have end caps unless otherwise noted.
- * Provide 1'-0" minimum cover over septic tank in grassy areas and 2'-6" minimum cover over the septic tank in paved areas. Septic tanks in paved areas shall be designed for HS-20 loading.
- * All pipe shall conform to specifications.
- * All pipe from tank to disposal system shall be SDR 35 with watertight joints. Sewer pipe to septic tank shall be schedule 40 or equal. Exceptions are noted under specifications.
- * The backfill used in all trenches under traveled ways or areas to be paved shall consist of bank-run gravel and/or acceptable material meeting the specifications of Title V.
- * Provide a swales, ditch or built-up embankment to divert surface storm water run-off away from the sanitary system.
- * Provide a reserve area for future expansion of the sanitary system as indicated on the plan.
- * If indicated on the plan, install an intersecting curtain uphill of, and 50' away from, the sanitary system.
- * The Developer, Owner, or Both shall be responsible for all rights of way and rights to drain.
- * No sub-surface investigations were made other than those indicated. Sub-surface problems are the responsibility of the Owner. The exact location of any underground utilities are unknown, and are the responsibility of the Owner should any be encountered during the installation of the sanitary system.
- * The septic system is for the disposal of sanitary sewage only. All storm water, cooling water, sub-soil drainage and objectionable wastes are to be excluded from the system.
- * If field conditions (ledge, mottling, ground water, etc.) are encountered at depths other than those shown on the field report, the Designer shall be contacted immediately and construction halted until further directions are received.
- * Acceptance of this plan by the Buyer is not a warranty of the systems function, rather the plan conforms to state and town rules and regulations as are in force at the time of said plan. Any alteration or modification from adherence to Title V will be noted under specifications.
- * IMPORTANT NOTE TO HOMEOWNERS/OCCUPANTS: the successful functioning of a septic system depends on care and maintenance by the house's occupants. The septic tank must be pumped every 2-3 years. The septic system is designed for normal household wastes. It is not intended for industrial fluids, toxic wastes or large volumes of water from draining pools, spas, hot tubs etc., or any waste product resulting from a home business. Maintain the disposal area free from vehicular traffic, digging, and ponding of water through either intentional or unintentional drainage practices.
- * A LINT FILTER ATTACHED TO THE WASHING MACHINE IS HIGHLY RECOMMENDED
- * NOTES TO INSTALLER: It is the responsibility of the installer to familiarize himself with the plans and site prior to construction. Any questions or concerns about the site or plans must be conveyed to the Designer BEFORE construction begins. Any discrepancies with the plan should be resolved during the pre-construction conference.
- * The installer must inform the Designer at least 48 hours before the start of construction and 72 hours before the final inspection.
- * A pre-construction conference is required with the contractor prior to commencement of construction.
- * Digsafe must be contacted prior to any construction 1-888-344-7233
- * Final 3" of top dressing inc. seeding schedule at discretion of homeowner and installer.



- SPECIFICATIONS**
- * All access ports shall be served by risers to within 6" of finish grades.
 - * Pump, crush and fill existing septic tank.
 - * Install 1500gal 2 compartment designer or equal.
 - * Install one 1,000gal pump chamber, USI or equal
 - * Install one D-box DB-4M Arrow or equal with
 - * Fill, compact in 6" lifts with engineered fill from elev 659 to 663.6 including 5' perimeter around SAS
 - * Install one D-box DB-4M Arrow or equal with inlet "tee". Speed levelers may be used.
 - * The bed shall be 35' long by 16' wide.
 - * LICENSED PLUMBER TO OBTAIN PERMIT TO EVALUATE SEWER EXIT ELEVATION.
 - * LICENSED ELECTRICAL TO WIRE PUMPS WITH PERMIT.



PAMELA WOODS

SCALE: 1" = 30'
DATE: 1/12/22
25 GRANBY ROAD
GRANVILLE

APPROVED BY: [Signature]
DRAWN BY: TJF
REVISED:
DRAWING NUMBER:

THOMAS J. FITZGERALD