

NOTICE OF INTENT

PURSUANT TO

COMMONWEALTH OF MASSACHUSETTS
WETLANDS PROTECTION ACT
M.G.L. c. 131 §40

AND

TOWN OF LYNNFIELD
WETLANDS PROTECTION BYLAW

**3 DALE ROAD
LYNNFIELD, MASSACHUSETTS**

Prepared For:

**Edward Baud
3 Dale Road
Lynnfield, MA 01940**

Prepared By:

**LJR Engineering, Inc.
234 Park Street
North Reading, MA 01864**

Project No. 20-175

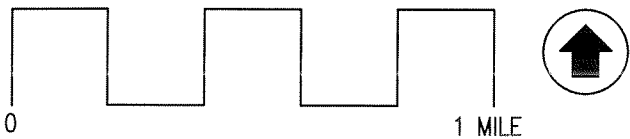
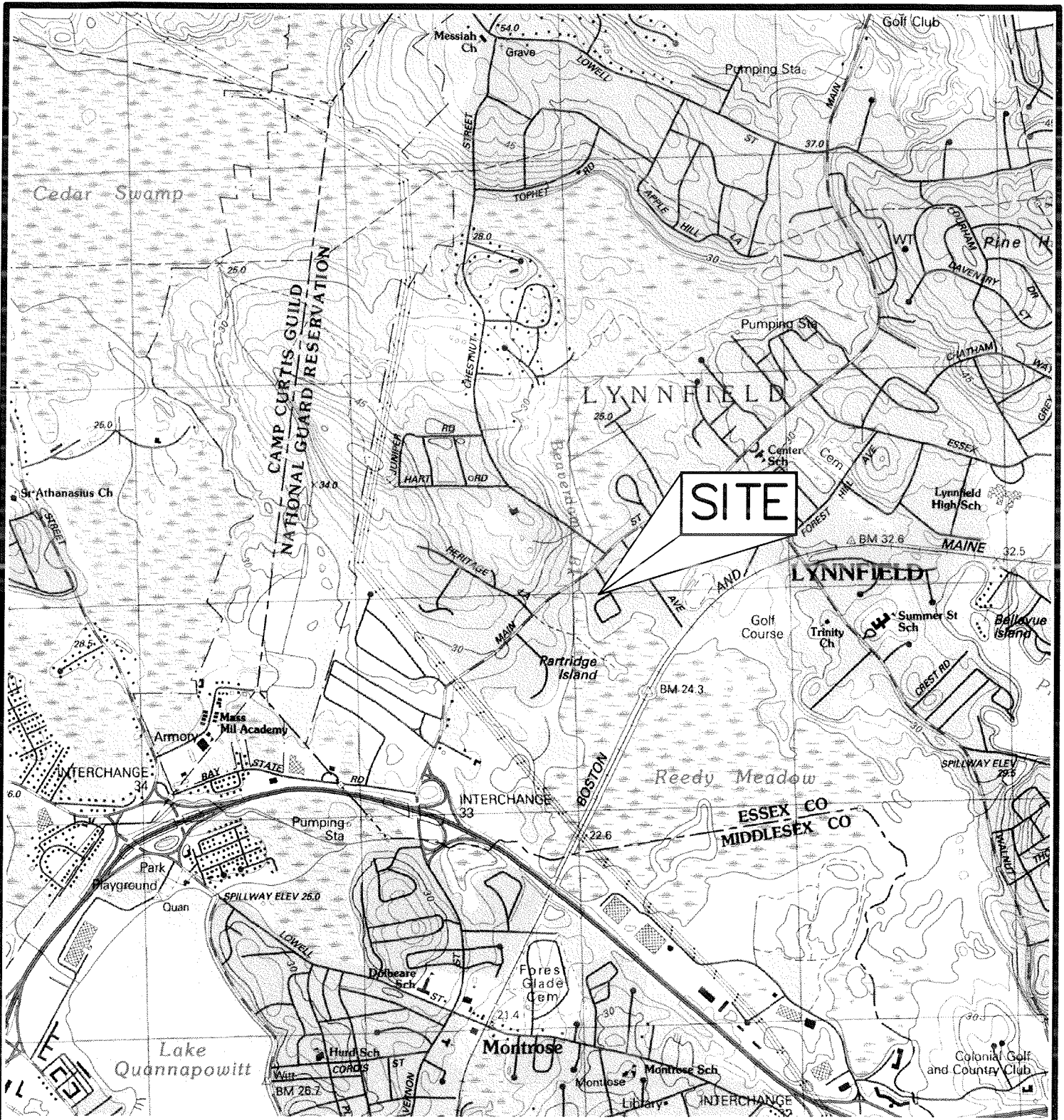
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 - Subsurface Septic Disposal System Replacement, 3 Dale Road, Lynnfield, Massachusetts, dated November 16, 2020, Revised January 20, 2021, prepared by LJR Engineering, Inc.

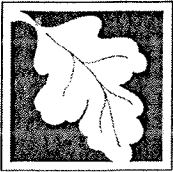


U.S. GEOLOGICAL SURVEY
 1:24,000 USGS
 TOPOGRAPHIC QUADRANGLES

LJR ENGINEERING, INC.
Civil Engineers & Land Surveyors

234 Park Street • North Reading, MA 01864 • 978-664-8141

USGS LOCUS MAP
 3 DALE ROAD
 LYNNFIELD, MASSACHUSETTS



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

Lynnfield
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):

<u>3 Dale Road</u>	<u>Lynnfield</u>	<u>MA</u>
a. Street Address	b. City/Town	c. Zip Code
Latitude and Longitude:	<u>42d32'05.68"</u>	<u>71d03'22.33"</u>
<u>28</u>	d. Latitude	e. Longitude
f. Assessors Map/Plat Number	<u>1896</u>	g. Parcel /Lot Number

2. Applicant:

<u>Edward</u>	<u>Baud</u>	
a. First Name	b. Last Name	
c. Organization		
<u>3 Dale Road</u>		
d. Street Address		
<u>Lynnfield</u>	<u>MA</u>	<u>01940</u>
e. City/Town	f. State	g. Zip Code
h. Phone Number	i. Fax Number	j. Email Address

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

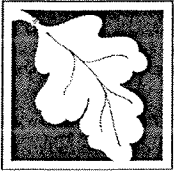
<u></u>	<u></u>	
a. First Name	b. Last Name	
c. Organization		
<u></u>		
d. Street Address		
<u></u>	<u></u>	<u></u>
e. City/Town	f. State	g. Zip Code
h. Phone Number	i. Fax Number	j. Email address

4. Representative (if any):

<u>Luke</u>	<u>Roy</u>	
a. First Name	b. Last Name	
<u>LJR Engineering, Inc.</u>		
c. Company		
<u>234 Park Street</u>		
d. Street Address		
<u>North Reading</u>	<u>MA</u>	<u>01864</u>
e.	f. State	g. Zip Code
<u>978-664-8141</u>	<u>978-664-8142</u>	<u>lroy@ljrengineering.com</u>
h. Phone Number	i. Fax Number	j. Email address

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

<u>\$165</u>	<u>\$70</u>	<u>\$95</u>
a. Total Fee Paid	b. State Fee Paid	c. City/Town Fee Paid



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A. General Information (continued)

6. General Project Description:

Replacement of a septic system serving an existing single family dwelling and located within 100ft. buffer zone to Bordering Vegetated Wetlands and within Riverfront Area of Beaver Dam Brook.

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

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

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration Limited Project) subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. Yes No If yes, describe which limited project applies to this project. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

Essex South

a. County

28144

c. Book

b. Certificate # (if registered land)

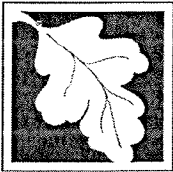
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d. Page Number

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

- 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.
- 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.



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

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

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet	2. square feet
	3. cubic yards dredged	

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced

f. Riverfront Area

1. Name of Waterway (if available) - specify coastal or inland
BEAVER DAM BROOK

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: 18,000+/-S.F.
square feet

4. Proposed alteration of the Riverfront Area:

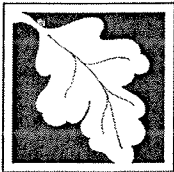
<u>ALL WORK IS WITHIN</u>	<u>EXISTING ALTERED</u>	<u>RIVERFRONT AREA</u>
a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.

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)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



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

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.

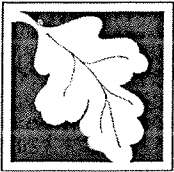
Online Users:
 Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

<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	_____	
	1. square feet	

	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	_____	_____
	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____	_____
	1. square feet	2. cubic yards dune nourishment
	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	

	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	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	

	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	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.	
	_____	_____
	a. square feet of BWV	b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	_____	_____
	a. number of new stream crossings	b. number of replacement stream crossings



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C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

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://maps.massgis.state.ma.us/PRI_EST_HAB/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
 1 Rabbit Hill Road
 Westborough, MA 01581

- 2018 (online)
 b. Date of map

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.c, and include requested materials with this Notice of Intent (NOI); *OR* complete Section C.2.f, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

- c. Submit Supplemental Information for Endangered Species Review*

- Percentage/acreage of property to be altered:

(a) within wetland Resource Area _____ percentage/acreage

(b) outside Resource Area _____ percentage/acreage

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

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

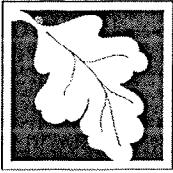
(a) Project description (including description of impacts outside of wetland resource area & buffer zone)

(b) Photographs representative of the site

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <https://www.mass.gov/mass-endangered-species-act-mesa-regulatory-review>).

Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



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

- (c) MESA filing fee (fee information available at <https://www.mass.gov/how-to/how-to-file-for-a-mesa-project-review>).

Make check payable to "Commonwealth of Massachusetts - NHESP" 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

- (f) 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, <https://www.mass.gov/service-details/exemptions-from-review-for-projectsactivities-in-priority-habitat>; 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 # _____

b. Date submitted to NHESP _____

3. Separate MESA review completed.

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

3. 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, hand delivery, or electronic delivery of NOI to either:

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

North Shore - Hull to New Hampshire border:

Division of Marine Fisheries -
Southeast Marine Fisheries Station
Attn: Environmental Reviewer
836 South Rodney French Blvd.
New Bedford, MA 02744
Email: dmf.envreview-south@mass.gov

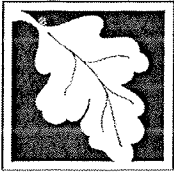
Division of Marine Fisheries -
North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930
Email: dmf.envreview-north@mass.gov

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.

- c. Is this an aquaculture project?

- d. Yes No

If yes, include a copy of the Division of Marine Fisheries Certification Letter (M.G.L. c. 130, § 57).



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

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

4. 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.
- b. ACEC
5. 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
6. 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
7. 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
 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.

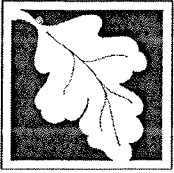
D. Additional Information

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

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.



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D. Additional Information (cont'd)

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.

Subsurface Septic Disposal System Replacement, 3 Dale Road, Lynnfield, MA

a. Plan Title

LJR Engineering, Inc.

Luke J. Roy, P.E.

b. Prepared By

c. Signed and Stamped by

January 20, 2021

1"=20'

d. Final Revision Date

e. Scale

f. Additional Plan or Document Title

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.

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:

4147
2. Municipal Check Number

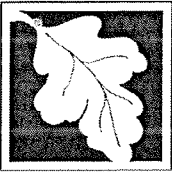
1/23/21
3. Check date

4148
4. State Check Number

1/23/21
5. Check date

LJR Engineering, Inc.
6. Payor name on check: First Name

7. Payor name on check: Last Name



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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.

Thomas R. Bond
1. Signature of Applicant

1-27-21
2. Date

[Signature]
3. Signature of Property Owner (if different)

1/27/21
4. Date

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.

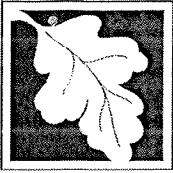
For MassDEP:

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:

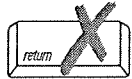
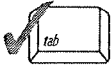
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

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.



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 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:

3 Dale Road
 a. Street Address
 4147
 c. Check number
 Lynnfield
 b. City/Town
 \$65
 d. Fee amount

2. Applicant Mailing Address:

Edward
 a. First Name
 Baud
 b. Last Name
 c. Organization
 3 Dale Road
 d. Mailing Address
 Lynnfield
 e. City/Town
 MA
 f. State
 01940
 g. Zip Code
 h. Phone Number
 i. Fax Number
 j. Email Address

3. Property Owner (if different):

a. First Name
 b. Last Name
 c. Organization
 d. Mailing Address
 e. City/Town
 f. State
 g. Zip Code
 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.

CASH ONLY IF ALL CheckLock™ SECURITY FEATURES LISTED ON BACK INDICATE NO TAMPERING OR COPYING

BANK OF AMERICA, NA
5-13/110

4147

LJR ENGINEERING, INC. 01/12
234 PARK STREET
NORTH READING, MA 01864

1/23/2021

PAY TO THE ORDER OF Town of Lynnfield

\$ **95.00

Ninety-Five and 00/100***** DOLLARS

Town of Lynnfield
55 Summer Street
Lynnfield, MA 01940

MEMO 20-175 3 Dale Rd. NOI Town Fee

WDOM

⑈004147⑈ ⑆011000138⑆ [REDACTED]

CASH ONLY IF ALL CheckLock™ SECURITY FEATURES LISTED ON BACK INDICATE NO TAMPERING OR COPYING

BANK OF AMERICA, NA
5-13/110

4148

LJR ENGINEERING, INC. 01/12
234 PARK STREET
NORTH READING, MA 01864

1/23/2021

PAY TO THE ORDER OF Commonwealth of Massachusetts

\$ **65.00

Sixty-Five and 00/100***** DOLLARS

Commonwealth of Massachusetts
Dept. of Environmental Protection
P.O. Box 4062
Boston, MA 02211

MEMO 20-175 3 Dale Rd. NOI State Fee

WDOM

⑈004148⑈ ⑆011000138⑆ [REDACTED]

CASH ONLY IF ALL CheckLock™ SECURITY FEATURES LISTED ON BACK INDICATE NO TAMPERING OR COPYING

BANK OF AMERICA, NA
5-13/110

4149

LJR ENGINEERING, INC. 01/12
234 PARK STREET
NORTH READING, MA 01864

1/23/2021

PAY TO THE ORDER OF Lynnfield Villager

\$ **50.00

Fifty and 00/100***** DOLLARS

Lynnfield Villager

MEMO 20-175 3 Dale Rd. NOI Advert. Fee

WDOM

⑈004149⑈ ⑆011000138⑆ [REDACTED]

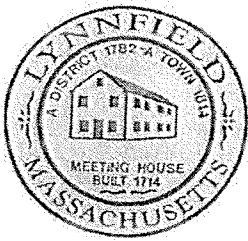
© 2011 INTUIT INC # 785 1-800-433-8810

Details on Back Intuit® CheckLock™ Secure Check MP

RECEIVED

JAN 26 2021

LYNNFIELD
BOARD OF ASSESSORS



TOWN OF LYNNFIELD

ASSESORS OFFICE

55 Summer Street, Lynnfield, MA 01940

Phone: 774-334-9050

dpeary@town.lynnfield.ma.us

REQUEST FOR CERTIFIED ABUTTERS LIST

****CERTIFIED LIST WILL BE PROVIDED WITHIN TEN WORKING DAYS****

PROPERTY LOCATION: 3 Dale Road

ASSESORS MAP#: 28 LOT #: 1896

FEE: \$5.00 for first five pages, \$1.00 after each consecutive page.

TYPE OF LIST REQUESTED:

CONSERVATION COMISSION
Within 100 ft.

BOARD OF APPEALS
Within 300 ft.

PLANNING BOARD
Within 300 ft.

BOARD OF HEALTH
Immediate abutter and directly across the street

REQUESTED BY: Luke Roy
LJR Engineering, Inc. DATE: 1/21/21

PHONE NUMBER: 978-664-8141 EMAIL: lroy@ljrengineering.com

-----Assessors Use Only-----

CERTIFIED BY: J. Peary DATE: 1/27/21

OF PAGES: _____ DATE PAID: 1/21/21 CK# 4146



100 foot Abutters List Report

Lynnfield, MA
January 26, 2021

Subject Property:

Parcel Number: 0028-0000-1896
CAMA Number: 0028-0000-1896
Property Address: 3 DALE RD

Mailing Address: BAUD FAMILY TRUST BAUD EDWARD R,
TR
3 DALE RD
LYNNFIELD, MA 01940

Abutters:

Parcel Number: 0028-0000-1866
CAMA Number: 0028-0000-1866
Property Address: 405 MAIN ST

Mailing Address: POWELL RUBY L POWELL GEORGE F
405 MAIN ST
LYNNFIELD, MA 01940

Parcel Number: 0028-0000-1868
CAMA Number: 0028-0000-1868
Property Address: 395 MAIN ST

Mailing Address: BUCKLEY PAULA A BUCKLEY DENNIS J
395 MAIN STREET
LYNNFIELD, MA 01940

Parcel Number: 0028-0000-1882
CAMA Number: 0028-0000-1882
Property Address: 385 MAIN ST

Mailing Address: GOLDNEY RYAN, J/T/R/S CAPONIGRO
LISA, J/T/R/S
385 MAIN STREET
LYNNFIELD, MA 01940

Parcel Number: 0028-0000-1917
CAMA Number: 0028-0000-1917
Property Address: 415 MAIN ST

Mailing Address: STEVENS ELIZABETH S STEVENS
BARRY E
415 MAIN ST
LYNNFIELD, MA 01940

Parcel Number: 0028-0000-1948
CAMA Number: 0028-0000-1948
Property Address: 3 WIRTHMORE LN

Mailing Address: MCGUINNESS NICOLE C
3 WIRTHMORE LN
LYNNFIELD, MA 01940

Parcel Number: 0028-0000-1973
CAMA Number: 0028-0000-1973
Property Address: 5 WIRTHMORE LN

Mailing Address: SCHWARTZ MARY A SCHWARTZ
THOMAS A
5 WIRTHMORE LN
LYNNFIELD, MA 01940

Parcel Number: 0028-0000-1987
CAMA Number: 0028-0000-1987
Property Address: 7 WIRTHMORE LN

Mailing Address: MOSCA MARC P, J/T/R/S KENNEDY
JULIE M, J/T/R/S
7 WIRTHMORE LN
LYNNFIELD, MA 01940

Parcel Number: 0028-0000-2563
CAMA Number: 0028-0000-2563
Property Address: 1 MEADOW LN

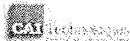
Mailing Address: RUECKEL ROBERT CLARKSON, T/E
RUECKEL SUSAN LEIGH, T/E
1 MEADOW LN
LYNNFIELD, MA 01940

Parcel Number: 0028-0000-2615
CAMA Number: 0028-0000-2615
Property Address: 2 MEADOW LN

Mailing Address: BRENNAN CAROLYN A, T/E BRENNAN
SEAN, T/E
2 MEADOW LN
LYNNFIELD, MA 01940

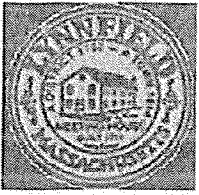
Parcel Number: 0033-0000-0575
CAMA Number: 0033-0000-0575
Property Address: REAR MAIN ST

Mailing Address: LYNNFIELD TOWN OF CONSERVATION
COMMISSION
TOWN HALL
LYNNFIELD, MA 01940



www.cai-tech.com

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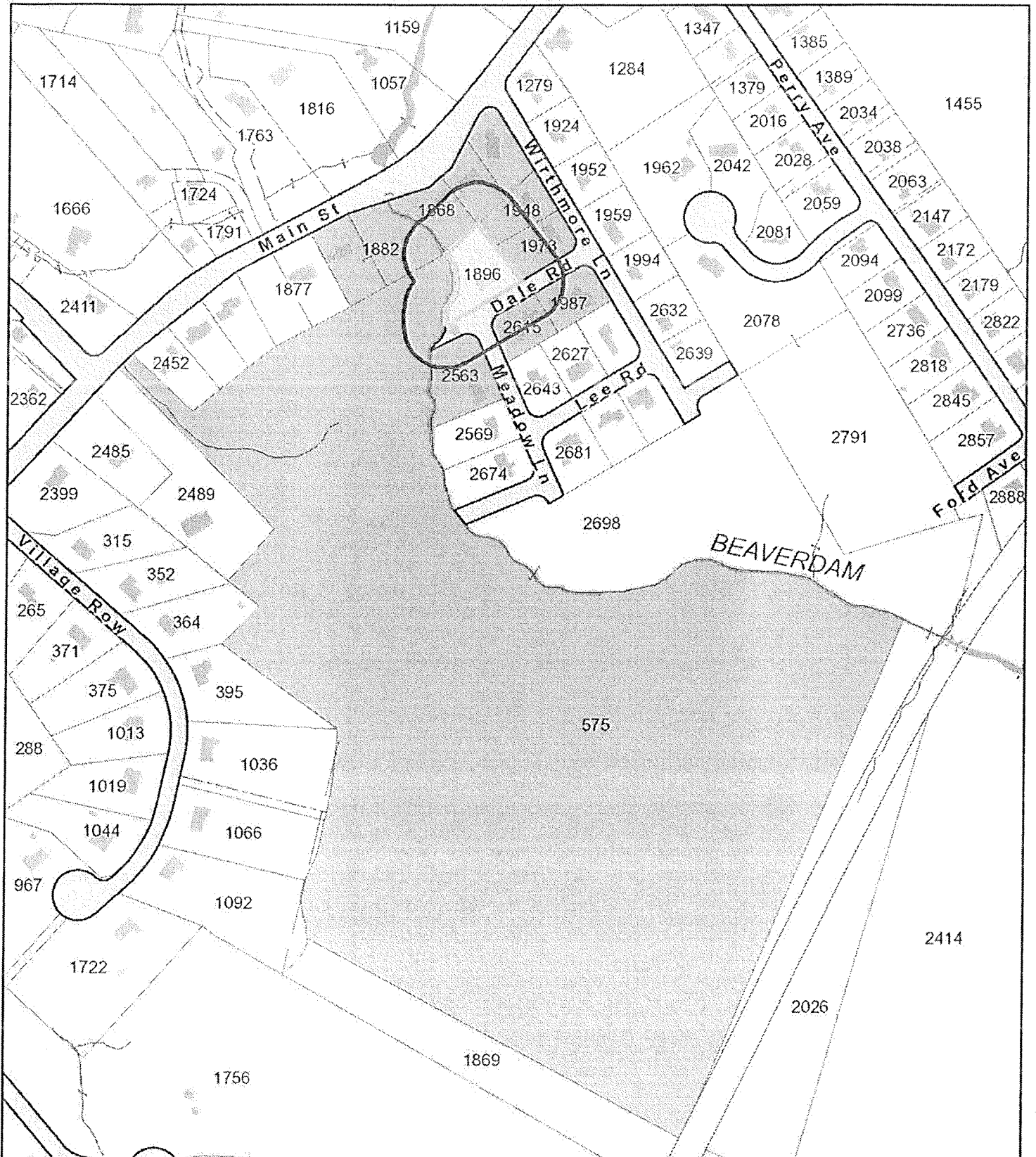
3 Dale Road - 100 ft

Lynnfield, MA

1 inch = 324 Feet



January 26, 2021



Data shown on this map 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 map.

Notice to Abutters

Massachusetts Wetlands Protection Act

Notice of Intent (NOI) and/or Abbreviated Notice of Resource Area Delineation (ANRAD) Filings

As required by M.G.L. c 131, s. 40 ("The Massachusetts Wetlands Protection Act"), an **APPLICANT** shall provide notification to all abutters and any property owner within 100 feet of the property line of the land where the activity is proposed, including if separated from that land by a public or private street.

The following applicant has filed a Notice of Intent with the Lynnfield Conservation Commission. A public hearing will be held as stated below.

Edward Baud
NAME OF APPLICANT

3 Dale Rd., Lynnfield, MA 01940
ADDRESS OF APPLICANT

3 Dale Road
PROJECT ADDRESS

ASSESSOR'S MAP# 28 PARCEL# 1896

PROJECT DESCRIPTION: Construction of a replacement septic system within buffer to wetlands and within riverfront area of Beaver Dam Brook.

Tuesday February 16, 2021 at 6:30pm
DATE AND TIME OF PUBLIC HEARING, AT TOWN HALL. (Subject to change. Please check website for updated information.)

The public hearing is advertised in *The Lynnfield Villager*.

Copies of the Notice of Intent & plans may be examined in the Conservation Commission Office on the lower level at Town Hall on Mondays-Thursdays from 9:00 A.M. – 4:00 P.M, however, an appointment made in advance is encouraged. Please call Emilie Cademartori, Director of Planning & Conservation at (781) 334-9495 to make an appointment, or for any other questions.

Project Narrative
3 Dale Road
Lynnfield, Massachusetts

Summary:

On behalf of Edward Baud, 3 Dale Road, Lynnfield, MA, we are pleased to submit this Notice of Intent pursuant to the Massachusetts Wetlands Protection Act (M.G.L. c. 131, §40) and the Town of Lynnfield Wetlands Protection Bylaw. This Notice is filed for construction of a replacement septic system and associated site work at 3 Dale Road. The work will occur within the 100ft. buffer zone to Bordering Vegetated Wetlands (BVW) and also within the Riverfront Area of Beaver Dam Brook.

Resource Area Impacts:

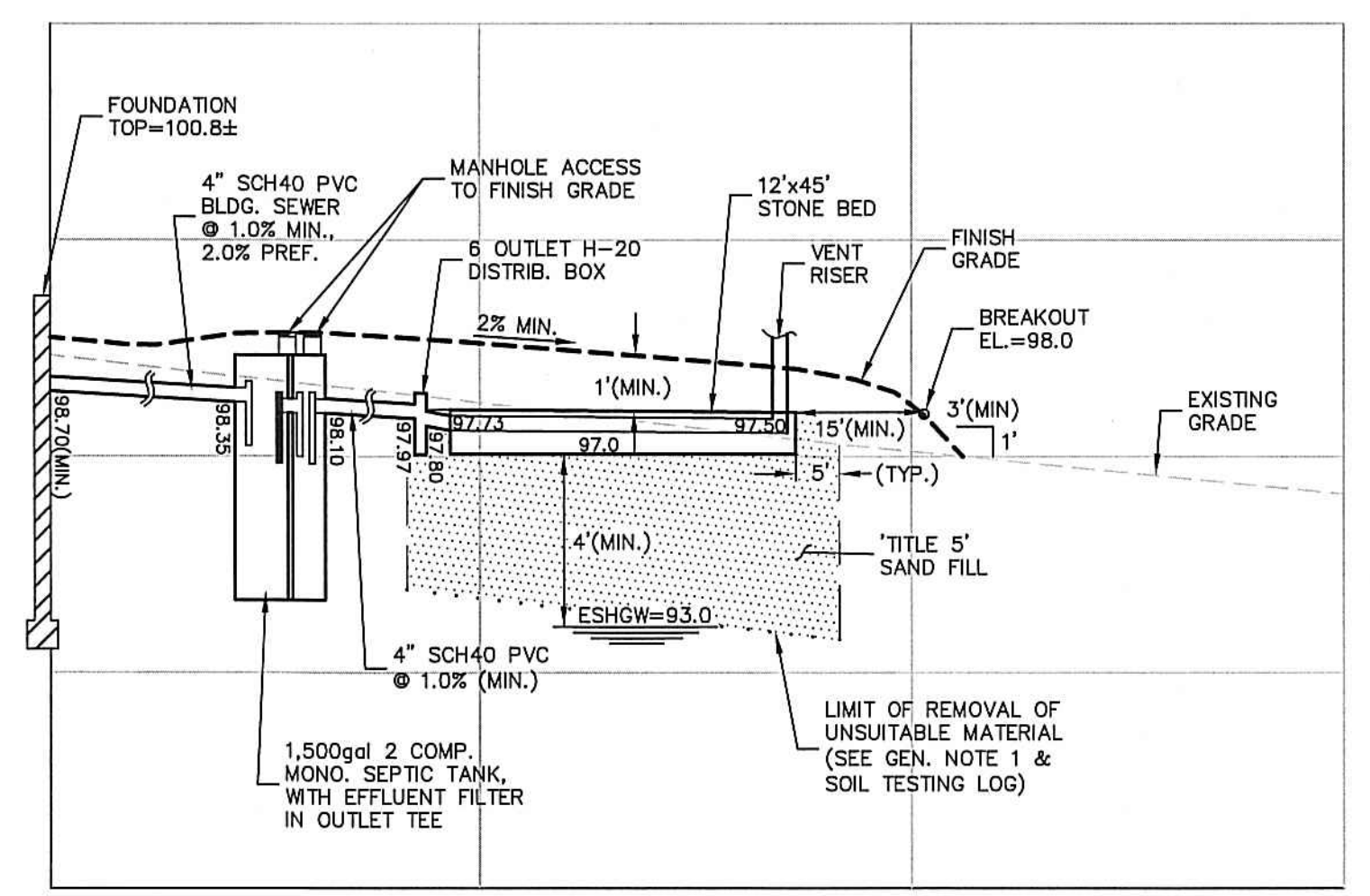
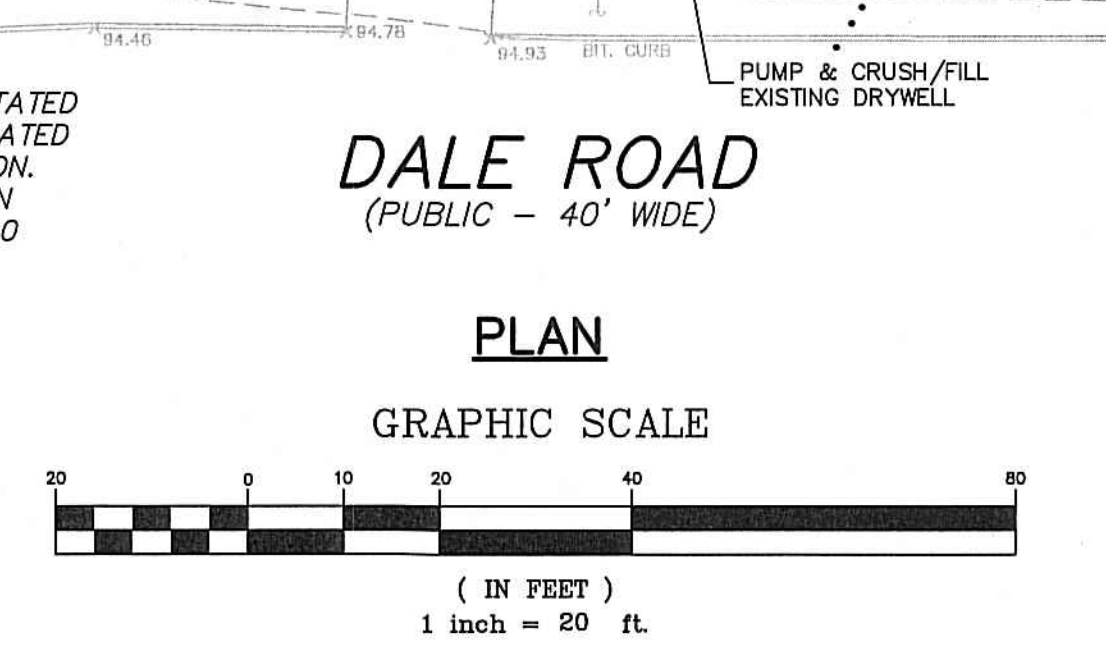
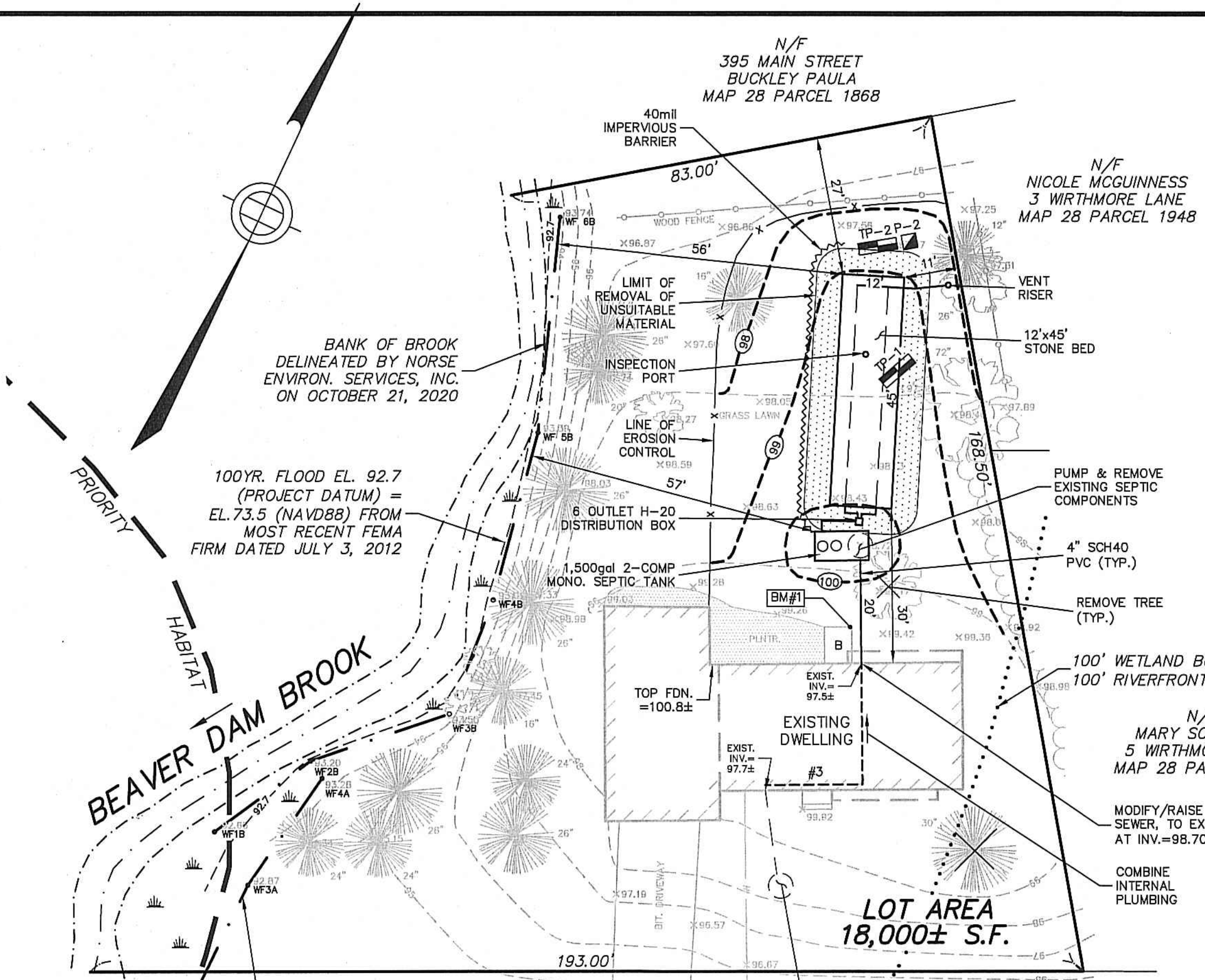
100FT. Wetland Buffer Zone

The delineated BVW and bank of Beaver Dam Brook follows the westerly property line of the subject property. There is an existing single family dwelling, driveway and surrounding yard areas on the property. The existing septic system located to the rear of the house is in a state of failure, breaking out to the ground surface at times.

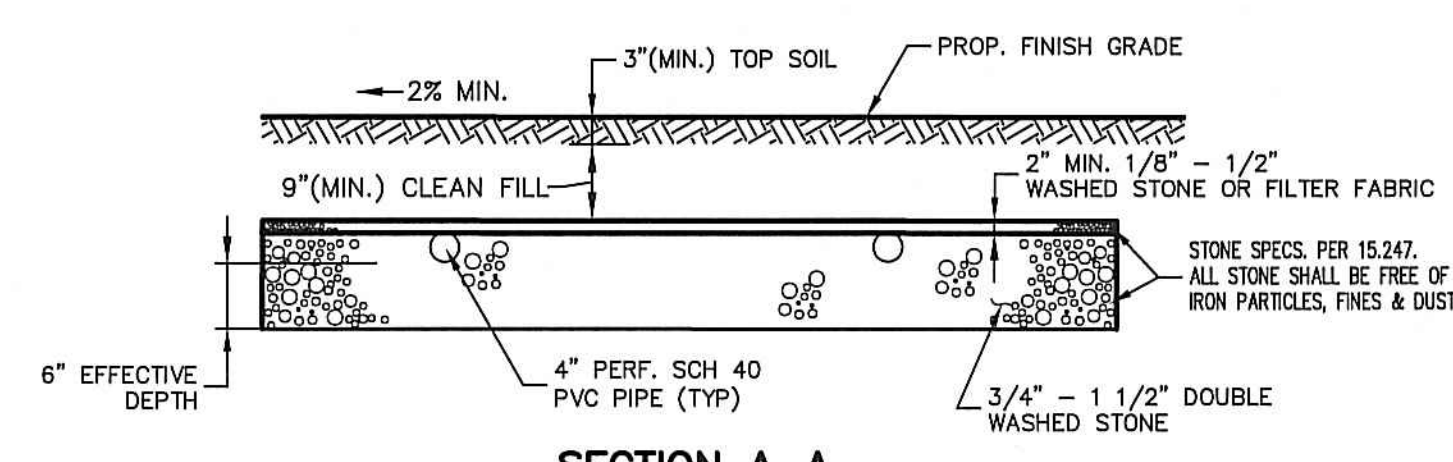
The replacement septic system is proposed to be in a similar location to the existing system in the rear yard as far as possible from the wetlands and the Brook. With limited area in the front yard between the house, property lines, and water service, it is not possible to fit the replacement system in the front of the house. A variance was granted by the Board of Health for the system to be located 56ft. from the bank of the Brook at the closest point. The existing septic tank will be pumped and removed. All proposed work is within existing altered areas of buffer zone and riverfront area. This project is a significant environmental improvement by replacing a failing substandard system with a new Title 5 compliant system.

Erosion Control:

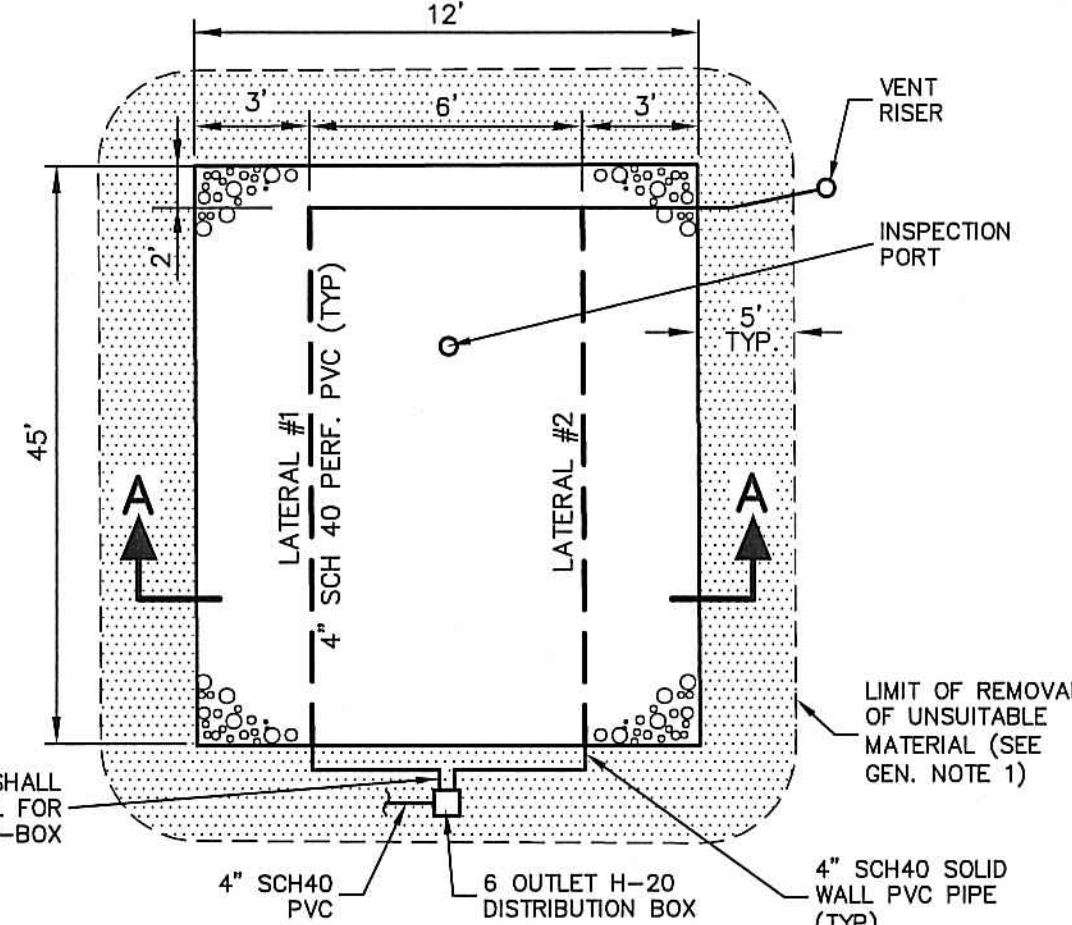
Commonly accepted erosion control measures will be installed around the perimeter of work to protect the wetlands from potential erosion of sediments during construction, such as siltation fence, haybales or straw wattles. The erosion control will serve as a "limit of work" for the duration of the project until soils have been established with appropriate vegetation. Please see enclosed Plan for the location and placement of the erosion control measures.



SYSTEM PROFILE
NOT TO SCALE



SECTION A-A

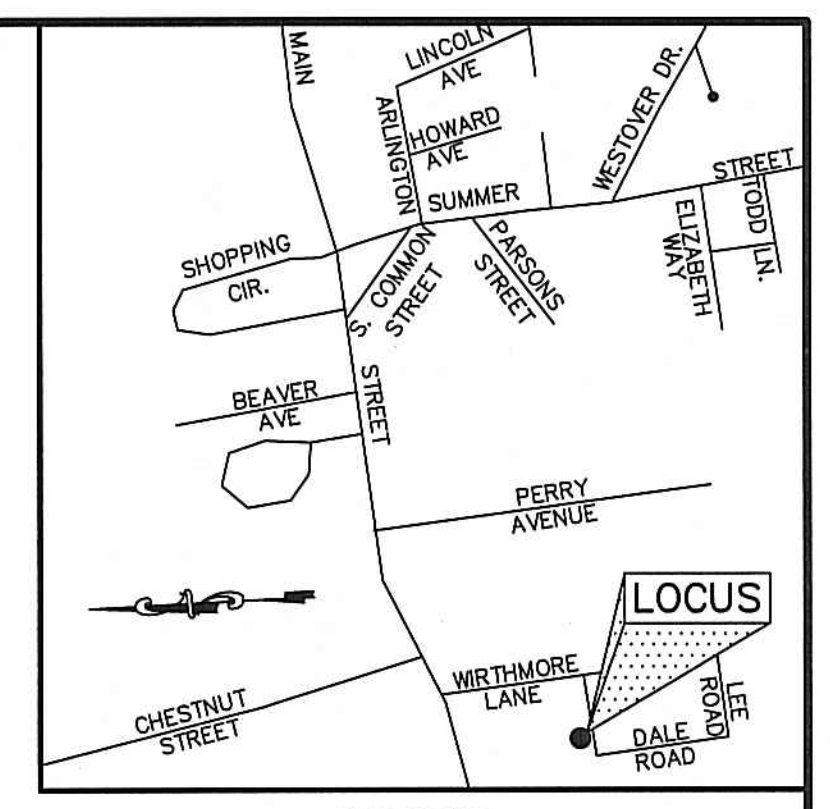


1500 GALLON 2 COMP. MONO. SEPTIC TANK
NOT TO SCALE

SCHEDULE OF INVERTS	PROPOSED
INVERT @ FOUNDATION	EL.=98.70(MIN.)
SEPTIC TANK INVERT (IN)	EL.=98.35
SEPTIC TANK INVERT (OUT)	EL.=98.10
DISTRIBUTION BOX INVERT (IN)	EL.=97.97
DISTRIBUTION BOX INVERT (OUT)	EL.=97.80
LATERALS INVERT (START)	EL.=97.73
LATERALS INVERT (END)	EL.=97.50
BOTTOM OF STONE	EL.=97.0
BREAKOUT ELEV.	EL.=98.0
ESTIMATED SEASONAL HIGH G.W.	EL.=93.0

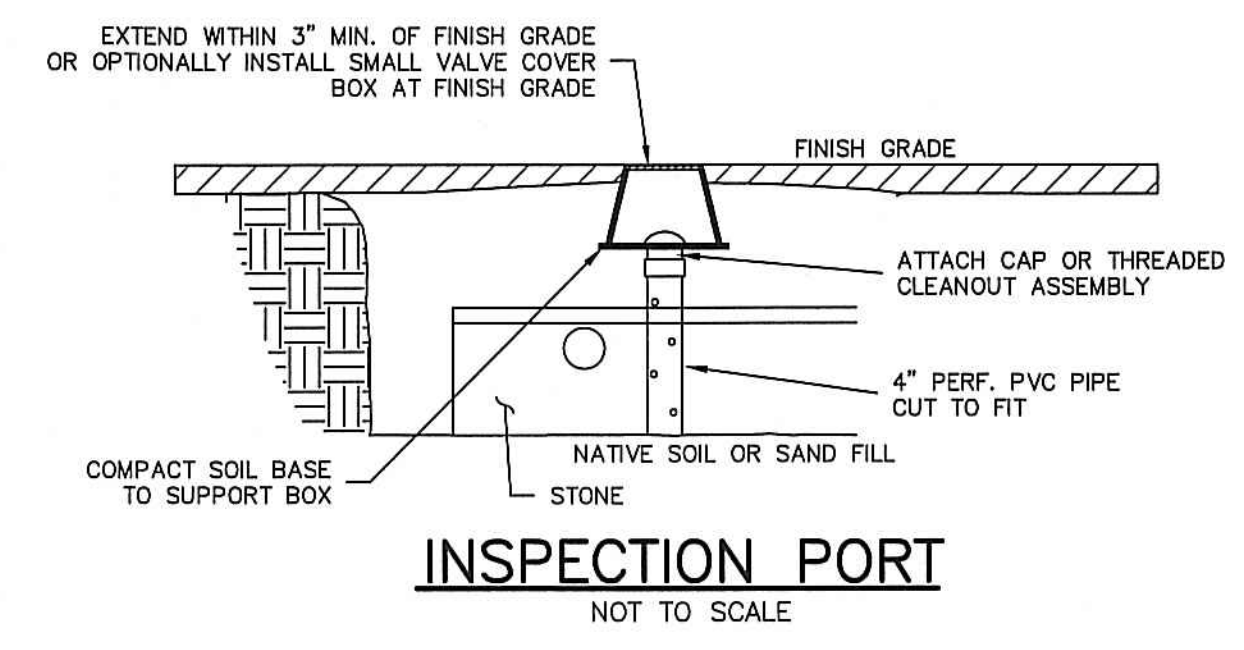
VARIANCES:

- REQUEST VARIANCE TO REDUCE THE SETBACK DISTANCE FROM A TRIBUTARY OF A PUBLIC WATER SUPPLY TO THE SOIL ABSORPTION SYSTEM FROM 200' TO 56' AND SEPTIC TANK FROM 200' TO 57'.

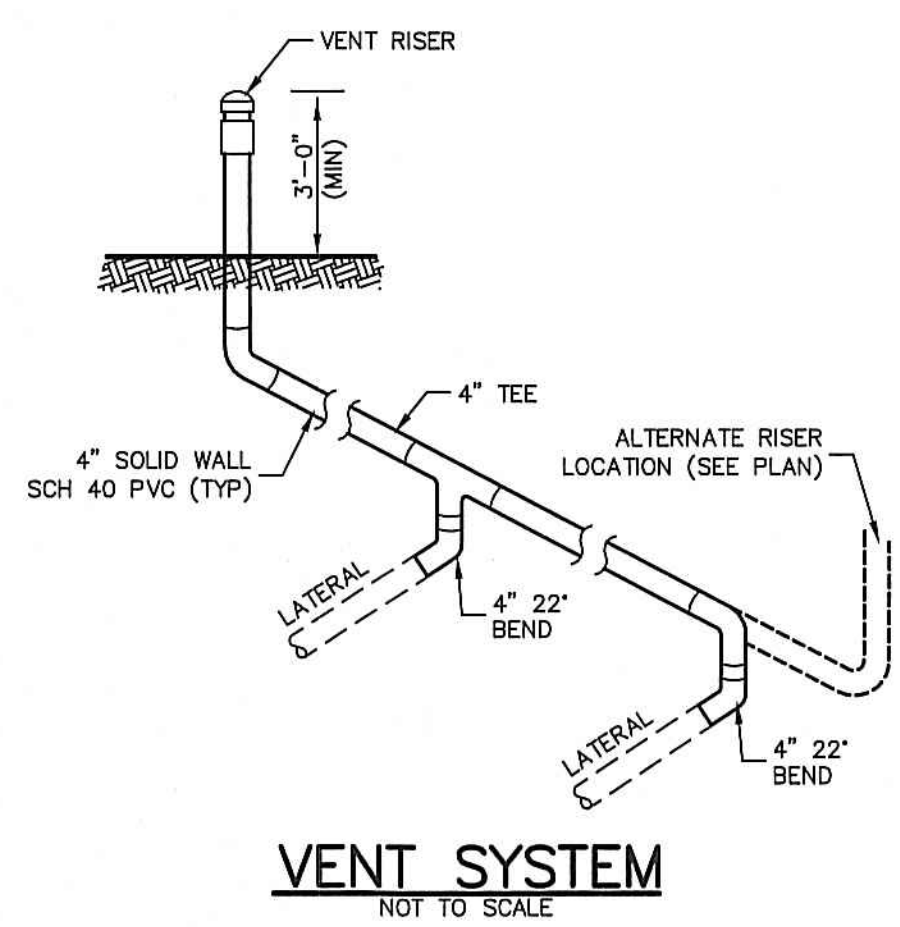


GENERAL NOTES

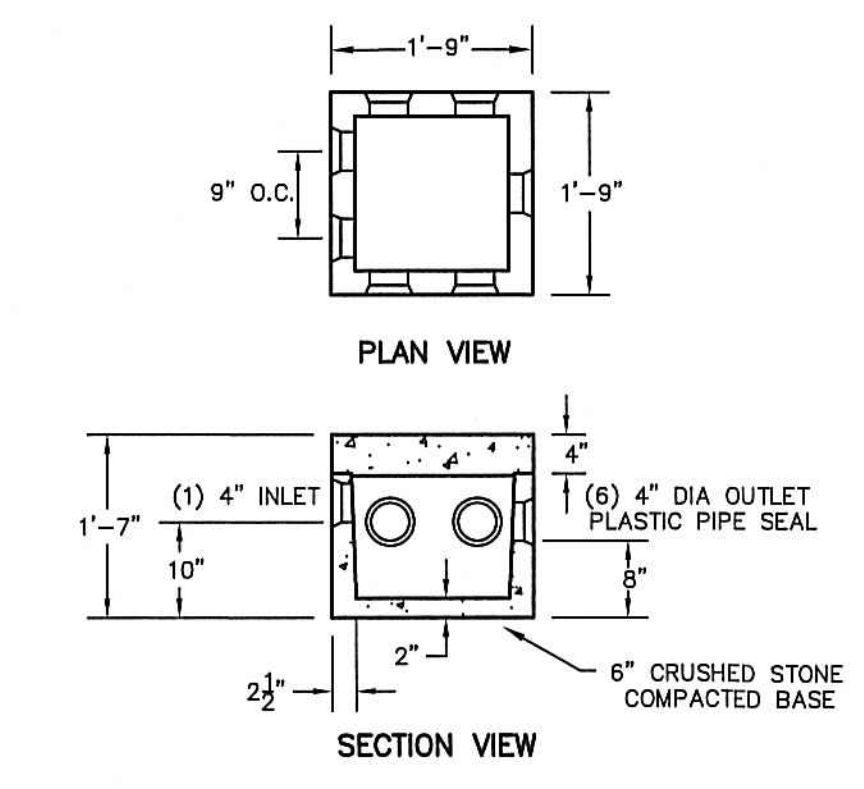
- ALL ORGANIC MATERIAL MUST BE REMOVED FROM THE AREA DIRECTLY UNDER AND BEYOND THE PROPOSED SOIL ABSORPTION SYSTEM. THIS AREA MUST BE BACKFILLED TO ELEVATIONS INDICATED ON THESE PLANS WITH SELECT ON-SITE OR IMPORTED SOIL MATERIAL, CONSISTING OF CLEAN GRANULAR SAND OR OTHER GRANULAR MATERIAL, FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES. MIXTURES AND LAYERS SHALL NOT BE USED. THE FILL MATERIAL SHALL MEET THE SPECIFICATIONS OF TITLE 5, SECTION 15.255 (3).
- HEAVY MACHINERY SHALL NOT BE PERMITTED TO PASS OVER THE SOIL ABSORPTION SYSTEM.
- TIGHT JOINT PIPING IS TO CONSIST OF POLYVINYL CHLORIDE PIPE (P.V.C.) SCHEDULE 40, UNLESS OTHERWISE NOTED.
- SEPTIC TANK INLET AND OUTLET TEES SHALL BE AS SPECIFIED IN TITLE 5, SECTION 15.227.
- ALL DISTURBED AREAS ARE TO BE LOAMED, SEEDED AND MAINTAINED TO PREVENT EROSION.
- THE GENERAL CONTRACTOR IS TO BE RESPONSIBLE FOR ALL HORIZONTAL AND VERTICAL CONTROL OF ALL COMPONENTS.
- THE DESIGNER HAS NOT BEEN RETAINED BY THE CLIENT TO CONSTRUCT OR SUPERVISE THE CONSTRUCTION OF THE SYSTEM. THE CONTRACTOR IS RESPONSIBLE FOR MAKING ARRANGEMENTS FOR INSPECTION OF INSTALLATION OF THE SYSTEM WITH THE LOCAL BOARD OF HEALTH BEFORE BACKFILLING OVER ANY SYSTEM COMPONENTS.
- THE DESIGNER MUST INSPECT AND SURVEY THE INSTALLED SYSTEM PRIOR TO THE CONTRACTOR BACKFILLING OVER ANY SYSTEM COMPONENTS. THE AS-BUILT PLAN MUST BE CERTIFIED BY THE DESIGNER WITH A STAMP AND SIGNATURE.
- SEE BENCHMARK TABLE ON THIS DRAWING FOR ELEVATION DATUM.
- EXISTING UTILITY LOCATIONS HAVE NOT BEEN VERIFIED. PRIOR TO THE START OF EXCAVATION ACTIVITIES THE CONTRACTOR IS TO CALL DIG-SAFE AT 1-888-344-7233.
- NO CHANGES ARE TO BE MADE TO THE PLAN DURING CONSTRUCTION UNLESS APPROVED BY THE DESIGN ENGINEER AND BOARD OF HEALTH.
- THE SYSTEM HAS NOT BEEN DESIGNED TO ACCOMMODATE A GARBAGE DISPOSAL.
- THERE ARE NO PRIVATE DRINKING WATER WELLS WITHIN 125FT. OF THE PROPOSED SOIL ABSORPTION SYSTEM.
- THE PROPOSED SOIL ABSORPTION SYSTEM IS LOCATED WITHIN THE GROUNDWATER PROTECTION DISTRICT.
- ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED, PER TITLE 5, SECTION 15.221(12).
- THE SYSTEM INSTALLER MUST BE LICENSED WITH THE TOWN OF LYNNFIELD BEFORE THE PERMIT CAN BE ISSUED.



INSPECTION PORT
NOT TO SCALE



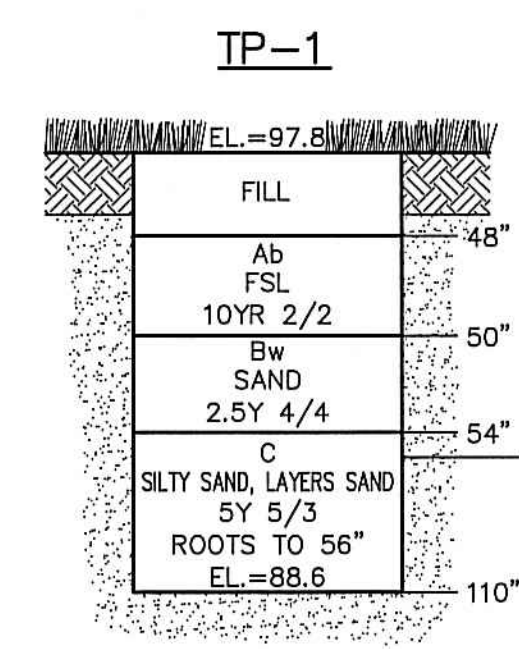
VENT SYSTEM
NOT TO SCALE



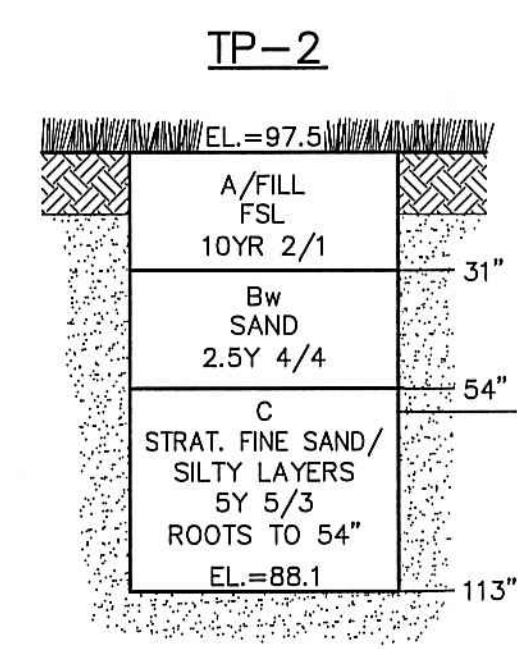
6 OUTLET H-20 DISTRIB. BOX
NOT TO SCALE

DETAIL OF SOIL ABSORPTION SYSTEM
NOT TO SCALE

SOIL TESTING
PERFORMED BY: ANDREW J. ROY, SOIL EVALUATOR - SE 14231
WITNESSED BY: LEO CORMIER, LYNNFIELD HEALTH DEPT.
FIELD BOOK 140 PAGE 86
DATE: SEPTEMBER 30, 2020



REFUSAL	-	REFUSAL	-
ESTIMATED HIGH GROUND WATER	58"(93.0)	ESTIMATED HIGH GROUND WATER	57"(92.8)
WATER SEEPING	74"	WATER SEEPING	84"
STANDING WATER	-	STANDING WATER	-
PERC RATE	-	PERC RATE	-



REFUSAL	-	REFUSAL	-
ESTIMATED HIGH GROUND WATER	57"(92.8)	ESTIMATED HIGH GROUND WATER	84"
WATER SEEPING	84"	WATER SEEPING	-
STANDING WATER	-	STANDING WATER	-
PERC RATE	-	PERC RATE	-

I CERTIFY THAT IN MAY 2018, I PASSED THE EXAMINATION APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THAT THE SOIL EVALUATION WAS PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERTISE, AND EXPERIENCE DESCRIBED IN 310 CMR 15.018 (2).

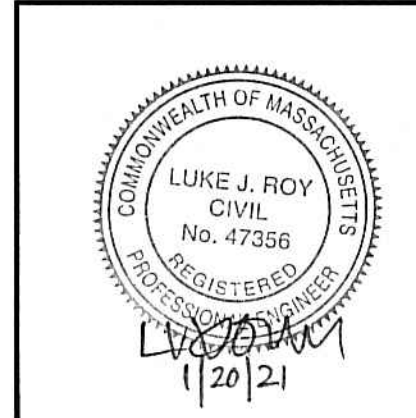
CERTIFIED SOIL EVALUATOR
DATE: 1/20/21
ANDREW J. ROY, SE14231

DESIGN

EXISTING 3 BEDROOM DWELLING
3 BEDROOMS @ 110 gpd PER BEDROOM = 330 gpd
P = 3 MIN. PER. INCH CLASS 1 SOIL - LTAR=0.74 gpd/sf
REQUIRED AREA: (330 gpd) / (0.74 gpd/sf) = 446 sf
USE 12' x 45' STONE BED AREA PROVIDED: 12' x 45' = 540 sf
FLOW PROVIDED: 540 sf x 0.74 gpd/sf = 400 gpd
200% x 330 gpd = 660 gal.
USE (MIN. TITLE V) 1500 gal. SEPTIC TANK
NOTE: SYSTEM HAS NOT BEEN DESIGNED TO ACCOMMODATE GARBAGE DISPOSAL.

NOTICE

THIS DRAWING AND ALL ENGINEERING INFORMATION CONTAINED HEREIN IS AUTHORIZED FOR USE ONLY BY THE PARTY FOR WHOM THE WORK WAS CONTRACTED OR TO WHOM IT IS CERTIFIED. IF YOU ARE NOT SUCH A PARTY, YOU ARE HEREBY NOTIFIED THAT ANY USE, DISCLOSURE, COPYING, DISTRIBUTION OR THE TAKING OF ANY ACTION IN RELIANCE ON THIS OR ANY RELATED INFORMATION, PLAN OR REPORT IS STRICTLY PROHIBITED WITHOUT OUR EXPRESSED WRITTEN CONSENT IN ALL INSTANCES.



BENCHMARKS (NAVD88+19.2)*		
NO.	DESCRIPTION	ELEVATION
BM#1	TOP COR. CONC. BULK	100.00

*DATUM REFERENCE ESTABLISHED BY GPS

LEGEND

- EXISTING UTILITY POLE
- EXISTING STONE WALL
- EXISTING TREES
- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT GRADE
- PROPOSED FINISH GRADE
- SOIL TESTING LOCATION
- PERC. TEST LOCATION
- EXISTING TREE/BRUSH LINE
- EXISTING WATER SERVICE
- BENCH MARK (SEE CHART)

1.	01/20/21	ADD MISC. INFO AS REQUIRED FOR FILING WITH CONSERVATION, ADD 40mil BARRIER	LJR
No.	DATE	DESCRIPTION	BY

LJR ENGINEERING, INC.
Civil Engineers & Land Surveyors
234 Park Street • North Reading, MA 01864 • 978-664-8141

SUBSURFACE SEPTIC DISPOSAL SYSTEM REPLACEMENT
3 DALE ROAD
LYNNFIELD, MASSACHUSETTS
ASSESSORS MAP 28 PARCEL 1896

APPLICANT: BAUD FAMILY TRUST
3 DALE ROAD
LYNNFIELD, MA 01940

DESIGNED BY: L.J.R.
DRAWN BY: A.J.R.
CHECKED BY: L.J.R.
PROJECT No: 20-175
DRAWING: 2017SEP.DWG

DATE: NOV. 16, 2020
SCALE: AS NOTED
SHEET: 1 OF 1