



WPA Form 1- Request for Determination of Applicability

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

A. General Information

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



1. Applicant:

Kenneth & Sandra Balthazar
Name

slbmgr54@hotmail.com
E-Mail Address

6 Laura Lane
Mailing Address

Fairhaven
City/Town

MA
State

02719
Zip Code

508-264-4425 mobile OR Landline 508-993-8368
Phone Number

n/a
Fax Number (if applicable)

2. Representative (if any):

Firm

Contact Name

E-Mail Address

Mailing Address

City/Town

State

Zip Code

Phone Number

Fax Number (if applicable)

B. Determinations

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

a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.

b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.

c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.

d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

Fairhaven
Name of Municipality

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



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C. Project Description

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

21 Silver Shell Beach Drive

Street Address

41

Assessors Map/Plat Number

Fairhaven

City/Town

41 & 29

Parcel/Lot Number

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

1. The front yard (see pictures) is below the street level grade & each time it rains the front yard floods & that makes our cottage difficult to access. We want to bring the grade up approx. 8-9 inches using soil and grass seed, to level the yard and to stop the flooding.
2. Plot #29 - (see picture showing plot layout). Is a small piece of land that is also below the street grade and we want to bring the level up with the street to avoid flooding as well. This area is approx. 20' wide X 32' deep.
3. The backyard (see pictures) has a holding septic tank in the ground. This tank is no longer completely covered by soil/grass and is below grade with the rest of the area causing a "dip" in this area. We want to add soil & grass seed of approx. 4 - 6 inches to cover the tank and even out that grade. This will eliminate a hazard for slip & falls.

- c. Plan and/or Map Reference(s):

Revised Plot Plan

Title

Date

Title

Date

Title

Date

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

.....REVISED WORK DESCRIPTION..... Oct 08, 2019

- a. The proposal is to request that the *BPW fix/lower the catch basin, that is located to the south of the property and to possibly re-do (increase the height) of the driveway skirt, in hopes that this will resolve some of the water issue in the front yard. The area will be monitored for approx. 9-12 months from the repairs. Pending the results from this work, if it doesn't resolve the water, then we will revisit putting fill into the yard, to absorb the water into the ground, & grading it away from the house. Plus the grade will be matched to the Alexandar property (boarding the north). We also still may contact David Alexandar to do a joint project to the north side yard to correct the low grading on both properties.

- b. Plot #29 across the street.... see revised picture

Add fill to the lower grade/hole, so that the water, will be absorbed into the ground and pushed to the back of the property.

* BPW Board voted & approved to make the repairs to the catch basin & driveway skirt during their mtg. on 10/7/19.

SLB
ZTB
10/10/2019



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C. Project Description (cont.)

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

Minor project

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- Single family house on a lot recorded on or before 8/1/96
- Single family house on a lot recorded after 8/1/96
- Expansion of an existing structure on a lot recorded after 8/1/96
- Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
- New agriculture or aquaculture project
- Public project where funds were appropriated prior to 8/7/96
- Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- Residential subdivision; institutional, industrial, or commercial project
- Municipal project
- District, county, state, or federal government project
- Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



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D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

Kenneth & Sandra Balthazar
Name

6 Laura Lane
Mailing Address

Fairhaven
City/Town

MA 02719
State Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

Signature of Applicant

8/26/2019
Date

Signature of Representative (if any)

Date

Proposal 1 bring loam up 2 inches at grass line in rear, and grade to street with berm on fence line.

Proposal 2 approx 7 feet from road bring loam up approx 2 inches with berm along fence line, with swell in center moving water to rear of property.

Balthazar

Plot # 29

Silver Shell Beach Road

Revised photo
with grades - 10/8/2019
levels



level with
Road

3" lower
than road

level with
Road

5" lower than Road

5" lower
than Road

8" lower
than Road

level with
Road
(Property marker)

8ft from
the Road



(Revised
lot #41)

SILVER SHELL BEACH DRIVE



(Revised
lot #29)

BUZZARDS BAY

THE DWELLING SHOWN ON THIS PLAN IS IN A
FEDERALLY DESIGNATED FLOOD HAZARD AREA.
(ZONE VE - PANEL No. 0501F - 7/7/09).

I CERTIFY

THAT THE DWELLING IS LOCATED ON THE GROUND AS
SHOWN HEREON AND CONFORMED TO THE ZONING
BY-LAWS OF THE TOWN OF FAIRHAVEN WHEN
CONSTRUCTED.

THIS PLAN IS FOR MORTGAGE PURPOSES ONLY AND
IS NOT TO BE USED TO ESTABLISH PROPERTY LINES.



**PLOT PLAN
FAIRHAVEN, MASS**

SCALE: 1"=40' JULY 26, 2011
SHARON SURVEY SERVICE
10 E. CHESTNUT ST.
SHARON, MA

LOT 40

House # 19

100' Buffer Zone from E.V.M.

110.22

MAP 41
LOT 41
0.176 AC. ±

EXISTING 2-B.R.
HOUSE # 21

Deck

Driveway

Vent

Pipe
(Fhd.)

Meter Pit

Coastal Bank

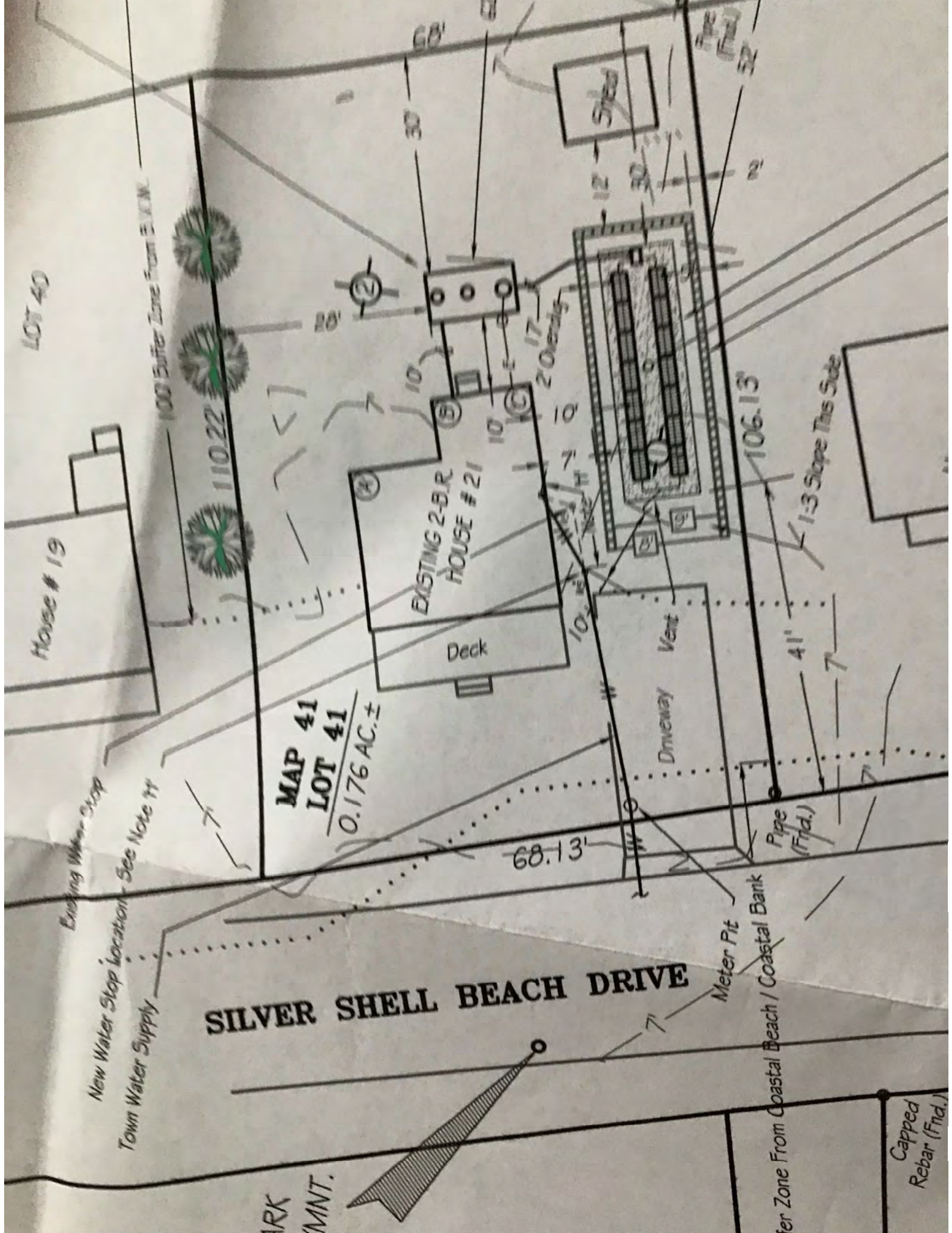
1-3 Slope This Side

SILVER SHELL BEACH DRIVE

MARK
VMNT.

uffer Zone From Coastal Beach

Capped
Rebar (Fhd.)



BAY

Balthazar

BUZZARDS

DRIVE
STREET
B E A C H
S H E L L
V E R
L

600
2000

28
3400
27
6000
28
6000
1745 #29
30
6,250
31
6000
32
6000
33
6000
34
6000

35
9000
36
100
37
9000
38
100

29
7409
11022
23
41
7676
106.13
27
42
7486
101.88

43
7069
109.70
44
7006
104.10
45
7055
93.70
95.7

46
9938
47
6263
88.49
48
6055
64.23

#21

N







**21 SILVER SHELL BEACH DRIVE
100 FT ABUTTERS**

<u>MAP/LOT</u>	<u>PROPERTY ADDRESS</u>	<u>OWNER ON RECORD</u>	<u>OWNER ADDRESS</u>
41-002J	SCONTICUT NECK ROAD	FAIRHAVEN LAND PRESERVATION TRUST	PO BOX 491
41-043	SILVER SHELL BEACH DRIVE	TOWN OF FAIRHAVEN	40 CENTER STREET
41-042	19 SILVER SHELL BEACH DR	KARNS DAVID M & CHERYL J	28 QUARRY STREET
41-040	23 SILVER SHELL BEACH DR	ALEXANDER DAVID B TRUSTEE OF THE ALEXANDER FAMILY TR	284 AYER ROAD
41-031	18 SILVER SHELL BEACH DR	LUCEY DEBORAH A	43 STETSON STREET
41-030	20 SILVER SHELL BEACH DR	PATYKULA PAUL T & PATYKULA STASIA A, TRUSTEES OF THE	PO BOX 30325
		STASIA A PATYKULA IRREVOCABLE TRUST	
41-028	22 SILVER SHELL BEACH DR	PANAGAKOS GEORGE M & VIOLA Z TRUSTEES OF THE	24 BOYLSTON STREET
		PANAGAKOS FAMILY TRUST	
41-026	SILVER SHELL BEACH DRIVE	DONOVAN LESLIE J TRUSTEE OF THE LESLIE J DONOVAN	5 SENTINEL ROAD
		2016 DECLARATION OF TRUST	

**21 SILVER SHELL BEACH DRIVE
100 FT ABUTTERS**

<u>CITY/TOWN</u>	<u>STATE</u>	<u>ZIP</u>
FAIRHAVEN	MA	02719
FAIRHAVEN	MA	02719
SEEKONK	MA	02771
HARVARD	MA	01451
LAKEVILLE	MA	02347
ACUSHNET	MA	02743
ACUSHNET	MA	02743
HINGHAM	MA	02043

1. Bring in clean fill & loam to raise current low grade of lawns up to meet street level in the front yard & approx. 32 ft. of the small lot across the street.
2. Backyard "in ground septic holding tank" area needs to have soil added to restore lawn.

Re-seeding of all above areas to be done to restore grass lawns.

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Total Postage and Fees	\$6.85

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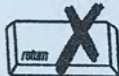
Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Fairhaven
 City/Town

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1. Applicant:

Kenneth & Sandra Balthazar

slbmgr54@hotmail.com

Name

E-Mail Address

6 Laura Lane

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508-264-4425 mobile OR Landline 508-993-8368

n/a

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Fax Number (if applicable)

2. Representative (if any):

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Contact Name

E-Mail Address

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B. Determinations

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

- a. whether the area depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- b. whether the boundaries of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- c. whether the work depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any municipal wetlands ordinance or bylaw of:
Fairhaven
 Name of Municipality

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

RECEIVED

AUG 27 2019

MassDEP
 Southeast Regional Office



Environmental Consulting & Restoration, LLC



October 10, 2019

Town of Fairhaven
Conservation Commission
40 Center Street
Fairhaven, MA 02719
Attn: Whitney McClees

RE: Notice of Intent Review – Auto Dealership, Bridge Street, Fairhaven – DEP File #023-1299

Dear Ms. McClees & Members of the Fairhaven Conservation Commission:

Environmental Consulting & Restoration, LLC (ECR) is pleased to submit this Notice of Intent (NOI) Review with associated wetland delineation review in accordance with our agreement to review the NOI application and associated wetland delineations as flagged in the field at the property located at 250 Bridge Street in Fairhaven (the Site). The site is referenced by the Fairhaven Assessors as Map 36 Lot 15 and is located to the north of Bridge Street and west of Route 240. The site consists of an upland meadow and wetland meadow with paved driveway through the middle of the site. Wetland resource areas were delineated at the site by several wetland specialists with the latest delineation by Ecosystem Solutions, Inc. in 2014. The delineations of Bordering Vegetated Wetlands were staked in the field by the Prime Engineering, Inc.

ECR performed a site review on October 2, 2019 to review the existing conditions of the site and delineation of Bordering Vegetated Wetlands as staked in the field. The October 2nd site review was performed with Brandon Faneuf, PWS of Ecosystem Solutions, Inc. The October 2nd site review was intended to review existing conditions with a concentration of the delineation of Bordering Vegetated Wetlands following the criteria established by the Massachusetts Department of Environmental Protection. As a result of our October 2nd site review, the limit of the BVW was revised. This revised delineation has been surveyed and is shown on the updated Existing Conditions plan dated October 5, 2019.

Section 1 – Wetland Review

As a result of our site review and revised delineation on October 2nd, the limit of the BVW is accurately delineated in the field in compliance with the Massachusetts Department of Environmental Protection regulations found at 310 CMR 10.55 pertaining to the delineation of Bordering Vegetated Wetlands and its associated "Manual", which is titled Delineating Bordering Vegetated Wetlands Under the Massachusetts Wetlands Protection Act, A Handbook, March 1995. The remaining areas of the site upgradient, or landward, of the BVW line contain upland area. ECR and Ecosystem Solutions, Inc. performed numerous hand augering throughout the site to confirm the location of the BVW and upland conditions. The revised Existing Conditions Plan accurately indicates the delineation from the October 2nd field event with two minor exceptions, which are:

1. Connect the BVW line from #Y19 to #A30
2. Wetland Flag #Z11 appears to be in the wrong direction. #Z11 should angle back towards the east.

The site is currently managed as an upland meadow and wetland meadow. The site was historically agriculturally used, which is evident in historic imagery. According to the property owner and Brandon Faneuf, the site was overgrown with non-native invasive vegetation that was removed in and around 2015-2016. Overall the site contains a majority of native herbaceous wetland and upland plant species.

Some non-native invasive vegetation exists within the wetlands such as Purple Loosestrife (*Lythrum salicaria*). The current conditions of the site allow for easy access and review of vegetation, soils, and hydrologic conditions.

After review of the site and staked wetland delineations, ECR was not in agreement with the delineations designating the landward limit of Bordering Vegetated Wetlands. The vegetation and soil conditions were not matching conditions as shown on the site plan. More specifically, ECR found the following:

1. The western portion of the site to the west of the intermittent stream/drainage ditch consists mainly as wet meadow BVW. Meaning, the vegetation is dominated with wetland species and hydric soils. There is minor evidence of hydrology within this area such as water staining. ECR and Ecosystem Solutions, Inc. reflagged this wetland line along the western portion of the site, which is significantly different than previously shown. This delineation is shown on the revised NOI plan.
2. The eastern portion of the site to the east of the access driveway consists mainly as upland meadow. The staked areas indicating wetland areas from past delineations does not match wetland conditions. ECR found the majority of this area to consist of upland. A small portion of this area does contain a wet meadow BVW that is supported by drainage runoff by the nearby parking lot. This BVW also connects to the Route 240 drainage/wetland system. ECR and Ecosystem Solutions, Inc. reflagged this wetland line along the eastern portion of the site, which is significantly different than previously shown. This delineation is shown on the revised NOI plan.

As a result of our site review and revised delineation on October 2nd, the limit of the BVWs at the site are accurately delineated in compliance with the Massachusetts Department of Environmental Protection regulations found at 310 CMR 10.55 pertaining to the delineation of Bordering Vegetated Wetlands and its associated "Manual", which is titled Delineating Bordering Vegetated Wetlands Under the Massachusetts Wetlands Protection Act, A Handbook, March 1995. Review of the site included numerous hand augering to confirm subsurface conditions within the BVW and upland locations, which was necessary to determine indicators of hydrology such as hydric soil and soil saturation. The vegetative community is well established and allows for easy viewing. In general, ECR observed the following conditions in the wetland and upland areas of the site

- Common indicators in the wetland meadow BVW consist of dominant wetland plant species such as Boneset (*Eupatorium perfoliatum*), Ironweed (*Vernonia noveboracensis*), Purple Loosestrife (*Lythrum salicaria*), Goldenrod (*Solidago species*), Soft Rush (*Juncus effesus*), Tussock Sedge (*Carex stricta*), etc. Hydric soils are also present within the wetland meadow. Concentration within the upper soil layer, or plow layer, at the site was an important factor during the review. The darker plow layer contains higher amounts of organic matter and is an indicator of hydric soil. The lighter plow layer contains less amounts of organic matter and is a dryer soil, which indicates upland conditions. Soil conditions beyond 12 inches were also reviewed in order to determine wetland versus upland conditions.
- Common indicators in the upland meadow consist of dominant upland plant species such as Little Bluestem (*Schizachyrium scoparium*), Plantains (*Plantago spp.*), Queen Anne Lace (*Daucus carota*), Garlic Mustard (*Alliaria petiolata*), Thistle (*Cirsium vulgare*), etc. Upland soils are present within the upland and lack evidence of hydrology. These upland areas of the site are also higher in topography than the lower lying wetland meadow areas.

Section 2 – Site Research

ECR has also researched and reviewed available information for the site such as MassGIS mapping, historic aerial imagery, etc. As a result of ECR's field work and review of available environmental databases, ECR is able to confirm that the site contains the following wetland resource areas and areas of Conservation Commission jurisdiction:

- Bordering Vegetated Wetlands (BVW) as delineated and described in Section 1
- 100 foot buffer zone to BVW

Notes:

1. The site is not located within an area mapped as Priority Habitat & Estimated Habitat for Rare Species according to the Massachusetts Natural Heritage & Endangered Species Program (MaNHESP).
2. The site does not contain Certified Vernal Pools according to the MaNHESP.
3. The site does contain a U.S.G.S. mapped intermittent stream (dashed light blue line). This mapped stream is located within the existing drainage ditch located in the western portion of the site. The streambed was dry during the October 2nd site review. This stream is confirmed as intermittent via the Massachusetts Streamstats program since it has a watershed area of less than 0.5 square miles (calculated at 0.16 square miles).
4. The site is not located within an Area of Critical Environmental Concern.
5. The site does not contain areas of DEP Wetland Change.

The BVWs and 100 foot buffer zone to BVWs are shown on the NOI site plan.

Section 3 - NOI Application Review

ECR's review of the NOI application and supporting map attachments, forms, etc. appear to be accurately submitted for the auto dealership project at the site. However, now that the wetland delineation has changed, the NOI application needs to be revised to reflect the change in areas of wetland alteration, wetland replication, etc. The Massachusetts DEP Public Access website has issued a file number of 023-1299 with No Comments. Upon revising the NOI application and resubmitting to the Conservation Commission, a copy will also need to be submitted to DEP. Please note that ECR's peer review services do not include review of the proposed stormwater management system included with the application. Stormwater management review would need to be performed by a Professional Engineer familiar with DEP's Stormwater Management Policies.

Section 4 - Summary

It is ECR's professional opinion that the wetland delineations at the site accurately identify the correct wetland resource area types and delineate the landward limits of each resource area. The Existing Conditions Plan is accurate, with the exception of the two minor changes noted above. The NOI application will need to be updated based on the results of the revised wetland delineation. Upon review of this submittal, please contact me at (617) 529 - 3792 or Brad@ecrholmes.com with any questions or requests for additional information.

ECR appreciates the opportunity to review this application and be of assistance to the Fairhaven Conservation Commission.

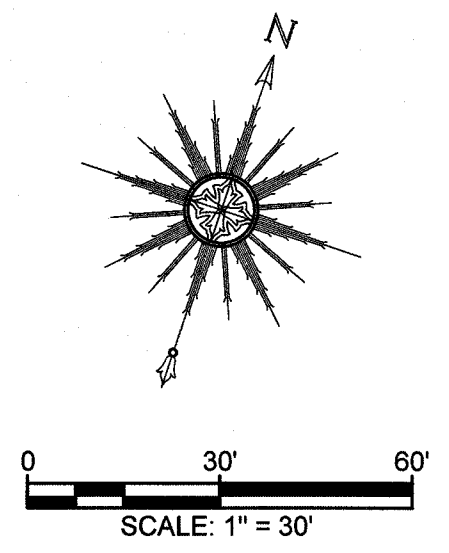
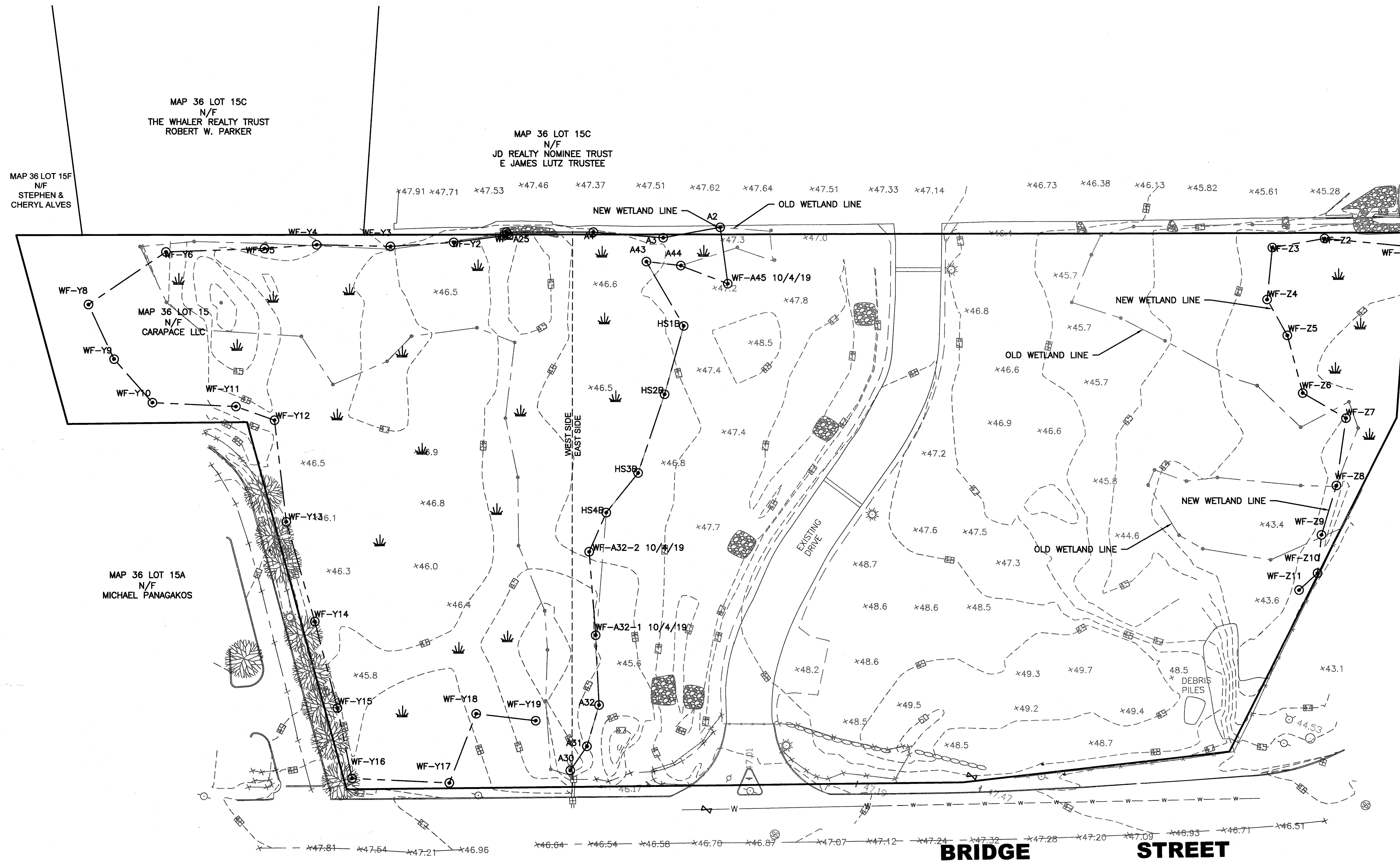
Sincerely yours,
Environmental Consulting & Restoration, LLC




Brad Holmes
Brad Holmes, PWS, MCA
Manager

NOTES:

THE WESTERN WETLAND LINE (FLAGS WF-A1 TO WF-A26) WERE FLAGGED IN JULY 2014 BY BRANDON FANEUF OF ECOSYSTEMS SOLUTIONS. THE EASTERN WETLAND LINE (HS1B YO HSSB) WAS DELINEATED SEVERAL YEARS AGO BY PETER FLETCHER AND JOHN ROCKWELL. BOTH LINES WERE CONFIRMED BY THE FAIRHAVEN CONSERVATION COMMISSION IN 2015 BUT THIS APPROVAL HAS LAPSED. THE LINES HAVE BEEN RESTAKED IN APRIL 2019.



REV.	DATE	DESCRIPTION	BY	APP.	DRAWING TITLE	SCALE
7	10-5-19	NEW WETLAND LINE/ GENERAL REVISIONS	JAG	RJR	EXISTING CONDITIONS 250 BRIDGE STREET FAIRHAVEN, MASSACHUSETTS CARAPACE, LLC FAIRHAVEN, MASSACHUSETTS	1" = 30'
6	7-16-19	NEW BUILDING FOOTPRINT/SITE LAYOUT	JAG	RJR		PROJECT
5	6-24-19	NEW BUILDING FOOTPRINT/SITE LAYOUT	JAG	RJR		CLIENT
4	4-26-19	NEW BUILDING FOOTPRINT/SITE LAYOUT	JAG	RJR		DESIGNED BY:
3	9-4-15	GENERAL REVISIONS	TRW	RJR		CHECKED BY:
2	8-25-15	REVISIONS PER PLANNING BOARD	EKW	RJR		APPROVED BY:
1	7-10-15	GENERAL REVISIONS	EKW	RJR		PROJECT NO.
					CIVIL ENGINEERING LAND SURVEYING ENVIRONMENTAL ASSESSMENT  P.O. BOX 1088 390 BEDFORD ST. LAKEVILLE, MA 02347 TEL: 508.947.0050 FAX: 508.947.2004	SHEET NO. 2 19830101



WPA Form 1- Request for Determination of Applicability

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

A. General Information

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



1. Applicant:

Name EVAN PEREIRA E-Mail Address lobsterevan@aol.com

Mailing Address 219 Scanticut Neck Rd

City/Town Fairhaven MA 02719 State MA Zip Code 02719

Phone Number 774 930 9852 Fax Number (if applicable) _____

2. Representative (if any):

Firm _____

Contact Name _____ E-Mail Address _____

Mailing Address _____

City/Town _____ State _____ Zip Code _____

Phone Number _____ Fax Number (if applicable) _____

B. Determinations

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

- a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

Fairhaven, MA
Name of Municipality

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



WPA Form 1- Request for Determination of Applicability

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

C. Project Description

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

219 Sciticut Neck Rd Fairhaven MA
Street Address City/Town

28B 575
Assessors Map/Plat Number Parcel/Lot Number

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

NORTH EASTERN PART OF BACKYARD

c. Plan and/or Map Reference(s):

Mortgage Inspection Plan Modified 9/16/19
Title Date

Home MADE DRAWING 9/16/19
Title Date

Romanelli Associates PLOT PLAN 6/29/19
Title Date

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

Removal of deteriorating Rock WALL Northern Back yard
Add SMALL AMOUNT OF fill to Raise grade to match
Neighbors land height. Will slope 4-1 Ratio
Add A 6ft fence 6" off THE GROUND
APrx 120' in length In Place OF OLD ROCK WALL
USE REMOVED ROCK TO Help Rebuild
Rock WALL ONEAST SIDE OF BACK YARD
Apprx 4ft in height

COPY OF PLANS INCLUDED



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

C. Project Description (cont.)

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

Minor Project



a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- Single family house on a lot recorded on or before 8/1/96
- Single family house on a lot recorded after 8/1/96
- Expansion of an existing structure on a lot recorded after 8/1/96
- Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
- New agriculture or aquaculture project
- Public project where funds were appropriated prior to 8/7/96
- Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- Residential subdivision; institutional, industrial, or commercial project
- Municipal project
- District, county, state, or federal government project
- Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Fairhaven
City/Town

WPA Form 1- Request for Determination of Applicability

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

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

Name Evan Pereira
Mailing Address 217 Scanticut Neck Rd
City/Town Fairhaven
State MA Zip Code 02719

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

Signature of Applicant *[Signature]* Date 9/17/19
Signature of Representative (if any) _____ Date _____

MAP/LOT	PROPERTY ADDRESS	OWNER ON RECORD	OWNER ADDRESS	CITY/TOWN	STATE	ZIP
28B-239	216 SCONTICUT NECK RD	JONES BRIAN H	216 SCONTICUT NECK RD	FAIRHAVEN	MA	02719
28B-726	228 SCONTICUT NECK RD	GROUPE ALLIEA	228 SCONTICUT NECK RD	FAIRHAVEN	MA	02719
28B-560	EDGEWATER STREET	FAIRHAVEN TOWN OF CONSERVATION COMMISSION	40 CENTER STREET	FAIRHAVEN	MA	02719
28B-547	215 SCONTICUT NECK RD	CARTON HENRY R JR & KELLEY	215 SCONTICUT NECK RD	FAIRHAVEN	MA	02719
28B-551	5 EDGEWATER STREET	CLARK JONATHAN A & LIMA LINDA	5 EDGEWATER STREET	FAIRHAVEN	MA	02719
28B-555	7 EDGEWATER STREET	MOORE ROBERT G TRUSTEE OF LEONARD W PARKER	42 MAIN ST. PO BOX 612	MATTAPOISETT	MA	02739
		LIVING TRUST				
28B-651	229 SCONTICUT NECK RD	JOHNSON PATRICE A	229 SCONTICUT NECK RD	FAIRHAVEN	MA	02719
28B-652	231 SCONTICUT NECK RD	PEASE RICHARD K & DONNA L	228 NORTH STREET	MATTAPOISETT	MA	02739

AIRDERTS LIST

OCT6 2019

**Notification to Abutters Under the
Massachusetts Wetlands Protection Act
and the Fairhaven Wetlands Bylaw**
*(this form must be completed and copies sent by certified mail
to all abutters within 100 feet of the site of the project)*

In accordance with the Massachusetts General Laws Chapter 131, Section 40 (the Wetlands Protection Act) and the Fairhaven Wetlands Bylaw (Chapter 192), you are hereby notified of the following:

1. The applicant's name is EVAN M PEREIRA
2. The applicant has filed the following type of permit application with the Fairhaven Conservation Commission:
 - Request for Determination of Applicability
 - Notice of Intent
 - Request to Amend an existing Order of Conditions
 - Notice of Resource Area Delineation
3. The address or location of the site where the activity, project, or delineation is proposed is: 219 Sciticut Neck Rd, Fairhaven, MA.
4. The proposed work includes REMOVAL OF ROCK WALL NORTHERN PART OF BACKYARD
Adding fill to raise grade to existing neighbors
Add A 6ft Fence Aprx 120ft long in place of Rock
USE Removed Rock to Rebuild EAST side of
Property existing Rock WALL Aprx 4' High
5. Copies of the above application may be examined at the Conservation Office, located in Town Hall, 40 Center Street, Fairhaven, MA 02719, between 9:00 AM and 4:00 PM, Monday through Friday. Copies may be obtained at the office for a fee if notified in advance or from the applicant.
6. The public hearing will be held:
 - a. DATE: OCT 15, 2019
 - b. TIME: 6:30 pm
 - c. LOCATION: Town Hall, 40 Center Street, Fairhaven MA
7. For additional information, please contact the applicant/applicant's representative:

Name: EVAN PEREIRA
Phone/Email: 774 930 9852 lobstercva@aol.com

PLEASE NOTE:

1. Notice of the public hearing including its date, time, and place will be published at least five business days in advance in the Fairhaven Neighborhood News, and will be posted on the Fairhaven Town Website and at the Fairhaven Town Hall not less than 48 hours in advance.
2. Since you are receiving this notice, you may have wetland resource areas or wetland buffers on your property. Therefore, construction, cutting, clearing, or grading may require a permit. For clarification or for more information, call the Conservation Agent at 508-979-4082 or visit our website.

CARTON Henry R JR

JONATHAN CLARK

Neighbor Grade Height

↓ 6 FN

↑ 12 IN

↑ 24 FN

BACK YARD GRADE Height

FRONT YARD



Rock WALL

9/16/14

ORIGINAL

MORTGAGE INSPECTION PLAN

PROPERTY LOCATION: 219 SCONTICUT NECK ROAD - FAIRHAVEN, MA



PREPARED BY:



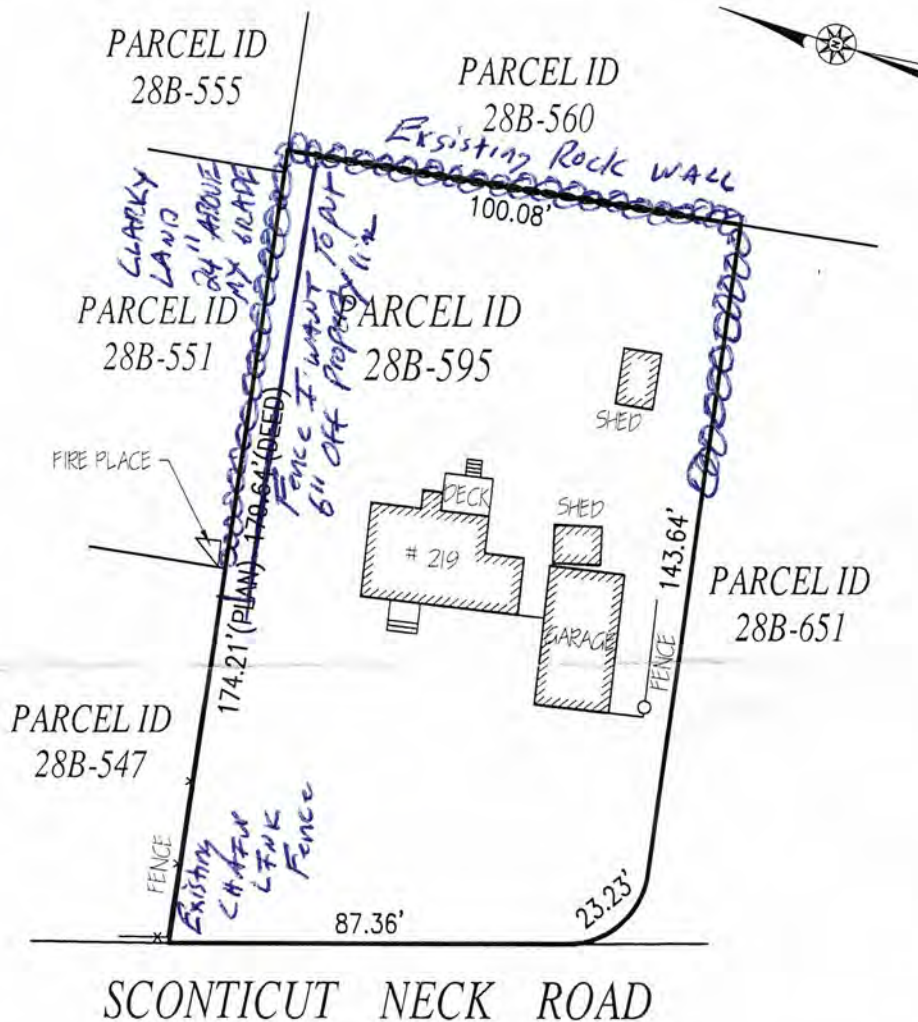
www.FarlandCorp.com

401 COUNTY STREET
NEW BEDFORD, MA 02740

P. 508.717.3479

OFFICES IN:

- TAUNTON
- MARLBOROUGH
- WARWICK, RI



- NOTE: 1) THE PROPERTY LINE CONFIGURATION AND DIMENSION SHOWN ON THIS PLAN WAS TAKEN FROM PLAN OF LAND PREPARED ON JANUARY 29, 2007.
- 2) EXISTING FENCE AND FIRE PLACE APPEAR TO BE CLOSE TO PROPERTY LINE. AN ACCURATE INSTRUMENT SURVEY WOULD BE REQUIRED TO VERIFY THE LOCATION RELATIVE TO POTENTIAL ENCROACHMENT.

REF: DEED BOOK 3336 PAGE 128

I certify to The Law Office of Sullivan, Williams & Quintin and Sage Bank, that there are no visible encroachments or easements except as shown and that this Plan was prepared under my immediate supervision.



SCHNEIDER, DAVIGNON & LEONE, INC.

PROFESSIONAL CIVIL ENGINEERS & LAND SURVEYORS

N. DOUGLAS SCHNEIDER, P.E., P.L.S.
MATTHEW C. LEONE, P.L.S.



DAVID M. DAVIGNON, P.E.
JAY MCKINNON, E.I.T.

September 26, 2019

Town of Fairhaven
Conservation Commission
40 Center Street
Fairhaven, MA 02719
Attn: Chairman Jay Simmons

Re: RDA Application

Project Type: Sewage Disposal System Repair Plan
Applicant/Owner: Saltwinds Trust
Site Address: 732 Sconticut Neck Road
Portion of Lot #6 on Assessors Map #42

Dear Mr. Chairman & Commission Members,

Schneider, Davignon & Leone, Inc., acting as agent for the Applicant hereby submits the enclosed information for the purposes of scheduling a Public Hearing.

Specifically, please find the following materials enclosed:

- \$75.00 - Legal Ad Fee
- \$100.00 RDA Application Fee
- RDA Application
- Sewage Disposal System Repair Plan

If you have any questions or need additional information please call me at (508) 758-7866 (ext. 203).

Sincerely,
Schneider, Davignon & Leone, Inc.

David M. Davignon, P.E.

cc :DEP- SE Regional Office
20 Riverside Drive
Lakeville, MA 02347

File 3203

Saltwinds Trust



WPA Form 1- Request for Determination of Applicability

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

A. General Information

Important:

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



1. Applicant:

Saltwinds Trust

Name

n/a

E-Mail Address

18 Winsegansett Avenue

Mailing Address

Fairhaven

City/Town

MA

State

02719

Zip Code

(508) 922-1387

Phone Number

n/a

Fax Number (if applicable)

2. Representative (if any):

Schneider, Davignon & Leone, Inc.

Firm

David M. Davignon, P.E.

Contact Name

dsquared3368@yahoo.com

E-Mail Address

P.O. Box 480, 1 County Road

Mailing Address

Mattapoissett

City/Town

MA

State

02739

Zip Code

(508) 758-7866 (ext. 203)

Phone Number

(508) 758-6493

Fax Number (if applicable)

B. Determinations

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

- a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

Town of Fairhaven

Name of Municipality

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



WPA Form 1- Request for Determination of Applicability

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

C. Project Description

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

732 Sconticut Neck Road

Street Address

Fairhaven

City/Town

#42

Assessors Map/Plat Number

Portion of #6

Parcel/Lot Number

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

The Property is shown as Lot 3 on the attached ANR Plan recorded at the Bristol County Registry as Plan Book 180, Page 9. The site is developed with a single family dwelling, a garage with a 1-bedroom apartment, a pool house, in-ground swimming pool, paved driveway and manicured lawn areas throughout. The proposed water line will be located on Lot 2 on same said plan. The property falls within Flood Zones AE (EL. 17) and VE (EL. 18).

- c. Plan and/or Map Reference(s):

Sewage Disposal Repair Plan

Title

September 25, 2019

Date

Figure 1: U.S.G.S. Sconticut Neck Quadrangle

Title

Figure 2: Estimated Habitat Map

Date

Figure 3: Fairhaven Assessors Map #42

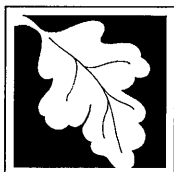
Title

Figure 4: Fairhaven F.I.R.M.

Date

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

The Applicant proposes to bring the property into Title 5 compliance by installing a 1500-gallon septic tank, 1,000-gallon pump chamber and 5- bedroom leaching area. Said system will be located within the existing lawn area. The Applicant also proposes the installation of approximately 466 feet of 1.5" poly water service pipe from Sconticut Neck Road to the house located behind the garage. All work will be performed within Land Subject to Coastal Storm Flowage.



WPA Form 1- Request for Determination of Applicability

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

C. Project Description (cont.)

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

n/a

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- Single family house on a lot recorded on or before 8/1/96
- Single family house on a lot recorded after 8/1/96
- Expansion of an existing structure on a lot recorded after 8/1/96
- Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
- New agriculture or aquaculture project
- Public project where funds were appropriated prior to 8/7/96
- Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- Residential subdivision; institutional, industrial, or commercial project
- Municipal project
- District, county, state, or federal government project
- Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)

n/a



WPA Form 1- Request for Determination of Applicability

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

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office (see Attachment) were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

Saltwinds Trust

18 Winsegansett Avenue

Mailing Address

Fairhaven

City/Town

MA

State

02719

Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

Signature of Applicant

9-25-19
Date

Signature of Representative (if any)

9-25-19
Date

SCHNEIDER, DAVIGNON & LEONE, INC.

PROFESSIONAL CIVIL ENGINEERS
1 COUNTY RD., P.O. BOX 480
MATTAPOISETT, MA 02739-1577



Fairhaven, Massachusetts 02719
www.firstcitizens.org
53-8458/2113



9784

9/25/2019

PAY TO THE ORDER OF **Town of Fairhaven**

\$ ****75.00**

Seventy-Five and 00/100*****

DOLLARS

Town of Fairhaven
40 Center Street
Fairhaven, MA 02719

MEMO



[Handwritten Signature]
AUTHORIZED SIGNATURE



SCHNEIDER, DAVIGNON & LEONE, INC.

PROFESSIONAL CIVIL ENGINEERS
1 COUNTY RD., P.O. BOX 480
MATTAPOISETT, MA 02739-1577



Fairhaven, Massachusetts 02719
www.firstcitizens.org
53-8458/2113



9783

9/25/2019

PAY TO THE ORDER OF **Town of Fairhaven**

\$ ****100.00**

One Hundred and 00/100*****

DOLLARS

Town of Fairhaven
40 Center Street
Fairhaven, MA 02719

MEMO



[Handwritten Signature]
AUTHORIZED SIGNATURE



Security features. Details on back

SCHNEIDER, DAVIGNON & LEONE, INC.

PROFESSIONAL CIVIL ENGINEERS & LAND SURVEYORS

N. DOUGLAS SCHNEIDER, P.E., P.L.S.
MATTHEW C. LEONE, P.L.S.



DAVID M. DAVIGNON, P.E.
JAY MCKINNON, E.I.T.

September 25, 2019

100 Ft. Abutter's List
To Accompany A
Request for Determination of Applicability
Prepared For
Saltwinds Trust
Site Location: 732 Sconticut Neck Road
Portion of Lot #6 on Assessors Map #42

<u>Map No.</u>	<u>Lot No.</u>	<u>Owner's Name & Mailing Address</u>
42	3 & 14	Fairhaven Land Preservation Trust P.O. Box 491 Fairhaven, Ma 02719
42	7 & 8	Michael J. Smoske 746 Sconticut Neck Road Fairhaven, MA 02719
42	15	Randal N. & Denise F. Manchester 747 Sconticut Neck Road Fairhaven, MA 02719
42A	15U	Steven H. & K. A. Douglass, Trustees c/o: Vivian I. Douglass 100 Douglass Drive Fairhaven, MA 02719
42A	190-195	Helger K. & Cheryl M. Johnson 40 Whisper Lane Fairhaven, MA 02719
42A	184- 187	Lillian Luther P.O. Box 225 Fairhaven, MA 02719
42A	188 & 189	Bradford W. Luther, Jr. P.O. Box 225 Fairhaven, MA 02719
42A	196-201	Scott & Patricia Nickerson 33 Whisper Lane Fairhaven, MA 02719
42A	202-206	Oivind M. Ulland P.O. Box 3 Fairhaven, MA 02719

SCHNEIDER, DAVIGNON & LEONE, INC.
PROFESSIONAL CIVIL ENGINEERS & LAND SURVEYORS

42A

207-210

Town of Fairhaven
40 Center Street
Fairhaven, MA 02719

File: 3203
Saltwinds Trust

FAIRHAVEN CONSERVATION COMMISSION

TOWN HALL 40 Center Street Fairhaven, MA 02719

TOWN OF FAIRHAVEN WETLANDS PROTECTION BY-LAW

NOTIFICATION OF ABUTTER FORM

NAME OF APPLICANT: *Saltwinds Trust*

ADDRESS: *732 Sconticut Neck Road*

NAME OF PROJECT: *Proposed Septic System Upgrade*

ASSESSOR'S MAP: *#42* LOT: *Portion of #6*

DESCRIPTION OF PROJECT:

The Applicant proposes to bring the property into Title 5 compliance by installing a 1500-gallon septic tank, 1,000-gallon pump chamber and 5- bedroom leaching area. Said system will be located within the existing lawn area. The Applicant also proposes the installation of approximately 466 feet of 1.5" poly water service pipe from Sconticut Neck Road to the house located behind the garage. All work will be performed within Land Subject to Coastal Storm Flowage.

The Public Hearing will be held at the Town Hall at 40 Center Street in Fairhaven at *6:30 p.m. on Tuesday, October 15, 2019.*

Further information may be obtained by contacting the Fairhaven Conservation Commission, Fairhaven Town Hall Monday through Friday 8:30 a.m. to 4:30 p.m. or call (508) 979-4019 or by contacting Schneider, Davignon & Leone, Inc. at (508)758-7866.

Applicant must notify all abutter's within 100' of this project.



SCOTICUT NECK QUAD.

U.S.G.S. QUADRANGLE MAP

SCALE: 1"=2,083'

SCHNEIDER, DAVIGNON & LEONE, INC.

PROFESSIONAL CIVIL ENGINEERS & LAND SURVEYORS
 1 COUNTY RD, P.O. BOX 480, MATTAPOISETT, MA 02739
 1-508-758-7866



RDA Application

Applicant: Saltwinds Trust

Town of: Fairhaven

Site Address: 732 Scoticut Neck Road

Locus = Portion of Lot #6 on Assessor's Map #42

FIGURE 1



SCOTICUT NECK QUAD.

ESTIMATED HABITAT MAP

Not to Scale

SCHNEIDER, DAVIGNON & LEONE, INC.

PROFESSIONAL CIVIL ENGINEERS & LAND SURVEYORS
 1 COUNTY RD, P.O. BOX 480, MATTAPOISETT, MA 02739
 1-508-758-7866



RDA Application

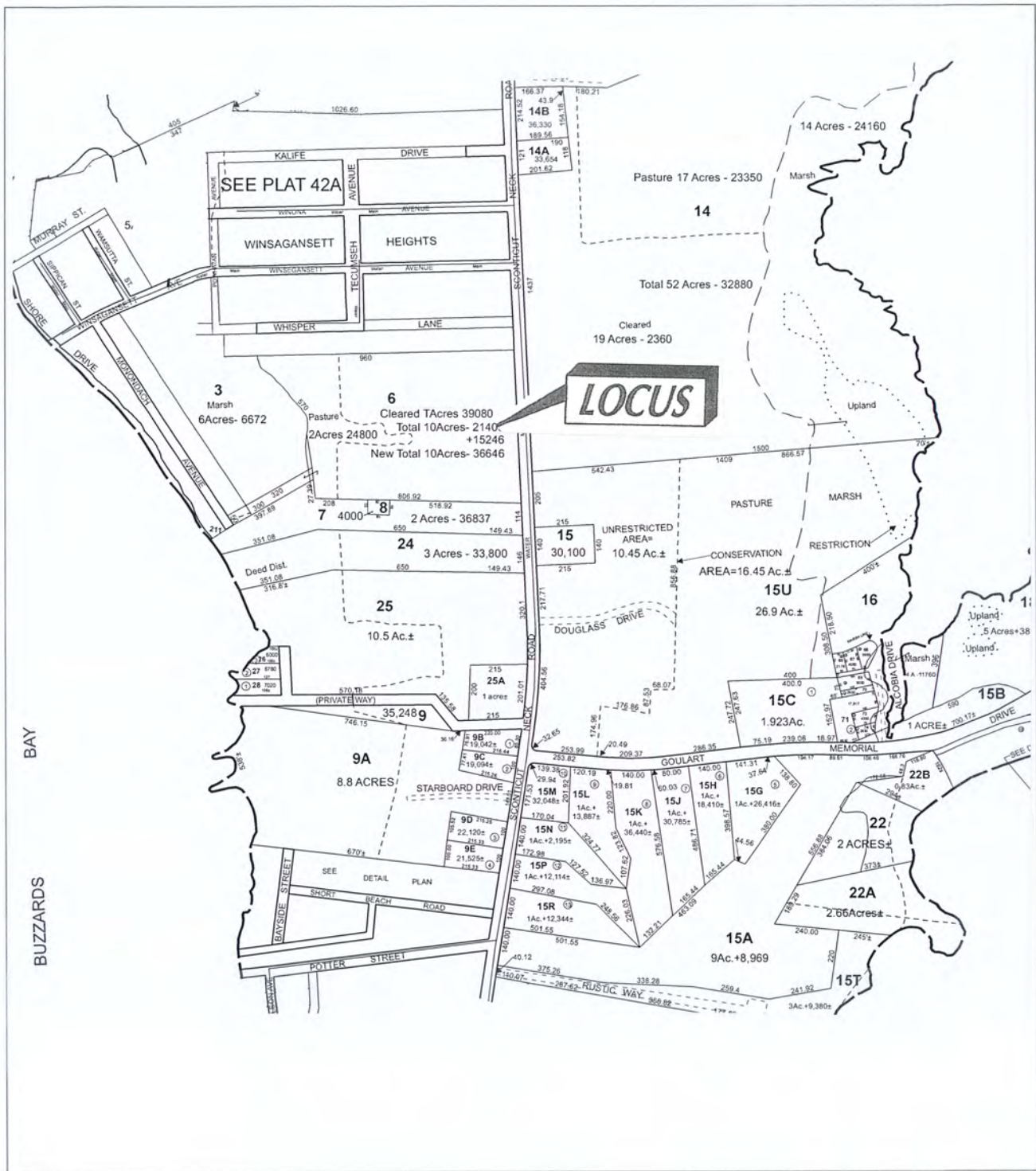
Applicant: Saltwinds Trust

Town of: Fairhaven

Site Address: 732 Scoticut Neck Road

Locus = Portion of Lot #6 on Assessors Map #42

FIGURE 2



FAIRHAVEN ASSESSORS MAP #42

Not to Scale

SCHNEIDER, DAVIGNON & LEONE, INC.

PROFESSIONAL CIVIL ENGINEERS & LAND SURVEYORS
 1 COUNTY RD, P.O. BOX 480, MATTAPOISETT, MA 02739
 1-508-758-7866



RDA Application

Applicant: Saltwinds Trust

Town of: Fairhaven

Site Address: 732 Sconticut Neck Road

Locus = Portion of Lot #6 on Assessors Map #42

FIGURE 3



PANEL NO.
25023C0501F

FAIRHAVEN F.I.R.M.

Not to Scale

SCHNEIDER, DAVIGNON & LEONE, INC.

PROFESSIONAL CIVIL ENGINEERS & LAND SURVEYORS
1 COUNTY RD, P.O. BOX 480, MATTAPOISETT, MA 02739
1-508-758-7866



RDA Application

Applicant: Saltwinds Trust

Town of: Fairhaven

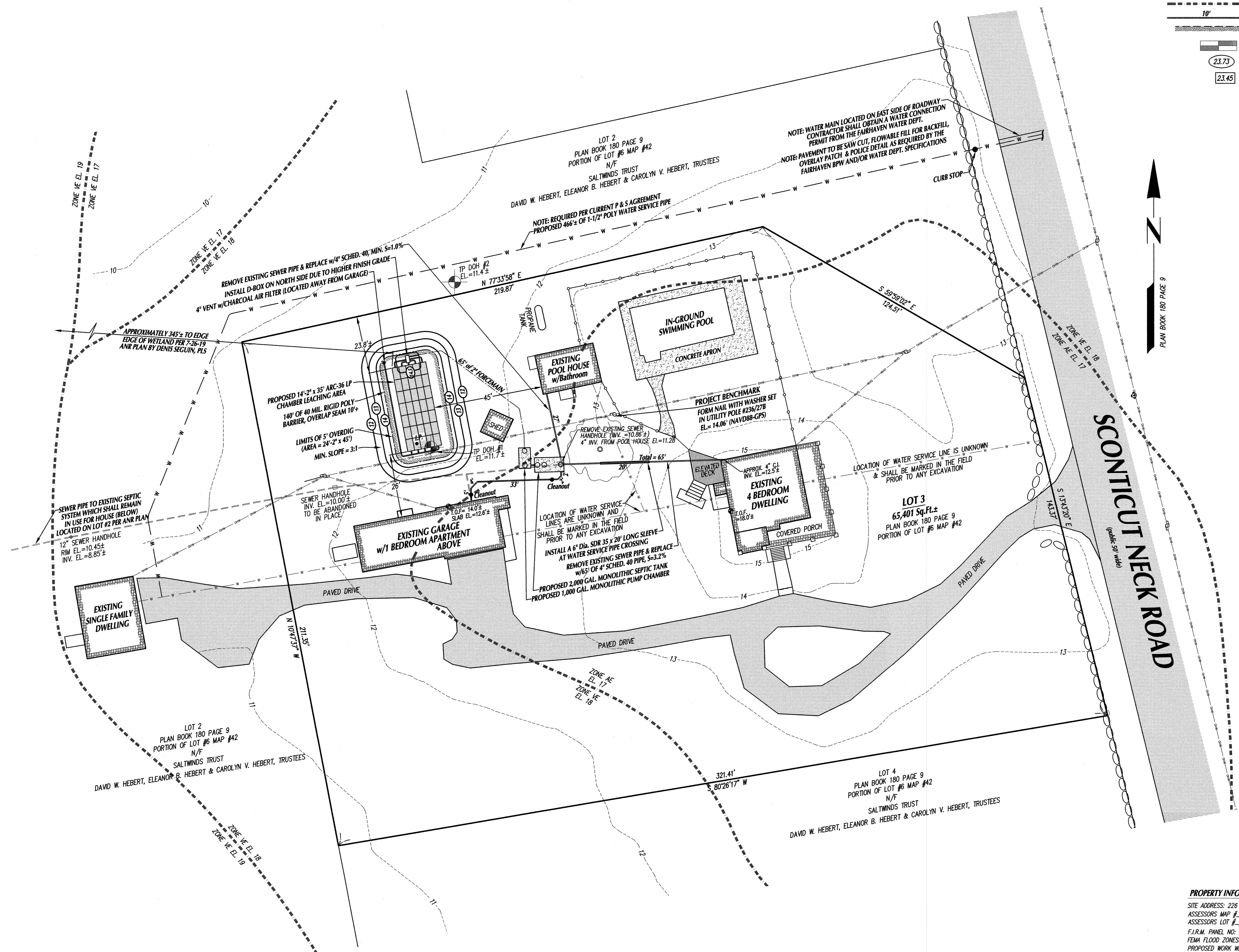
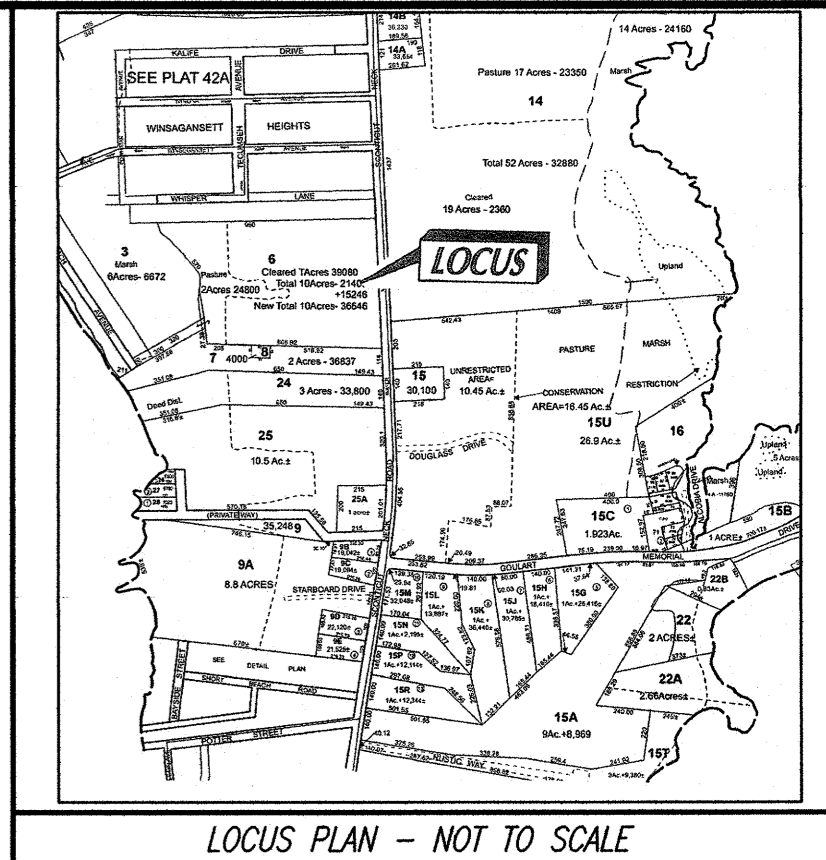
Site Address: 732 Sconticut Neck Road

Locus = Portion of Lot #6 on Assessors Map #42

FIGURE 4

LEGEND

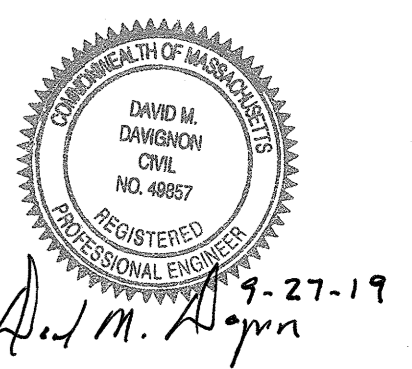
	PROPOSED CONTOURS
	EXISTING CONTOURS
	FLOOD ZONE LINE
	PROPOSED 4" PIPE
	40 MIL. POLY BARRIER
	LIMITS OF 5' OVERDIG
	TEST PIT LOCATION
	EXISTING ELEVATIONS
	PROPOSED ELEVATIONS

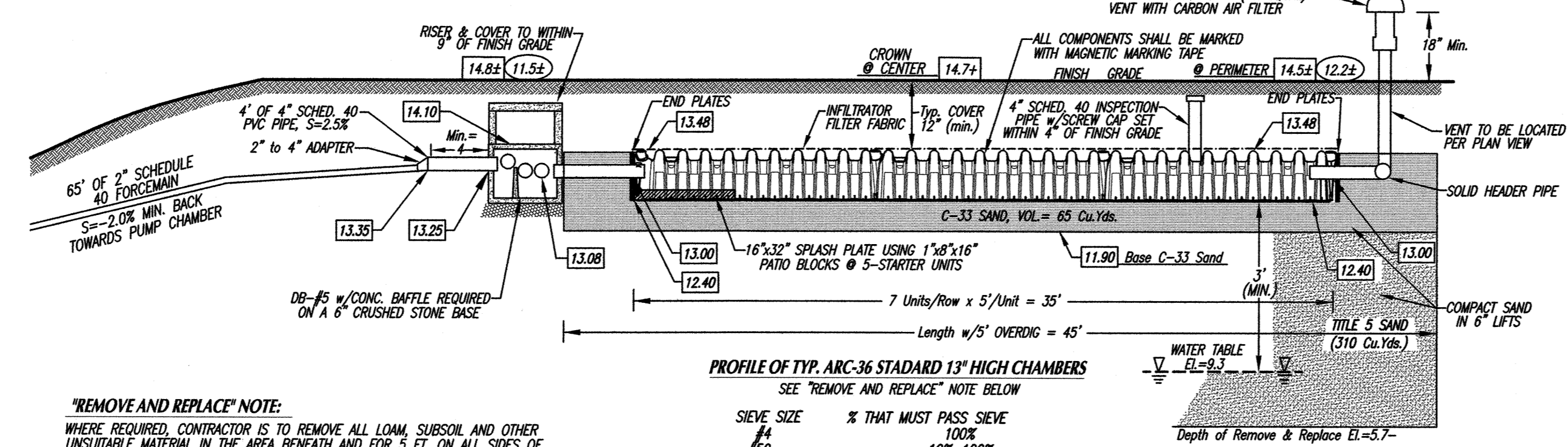
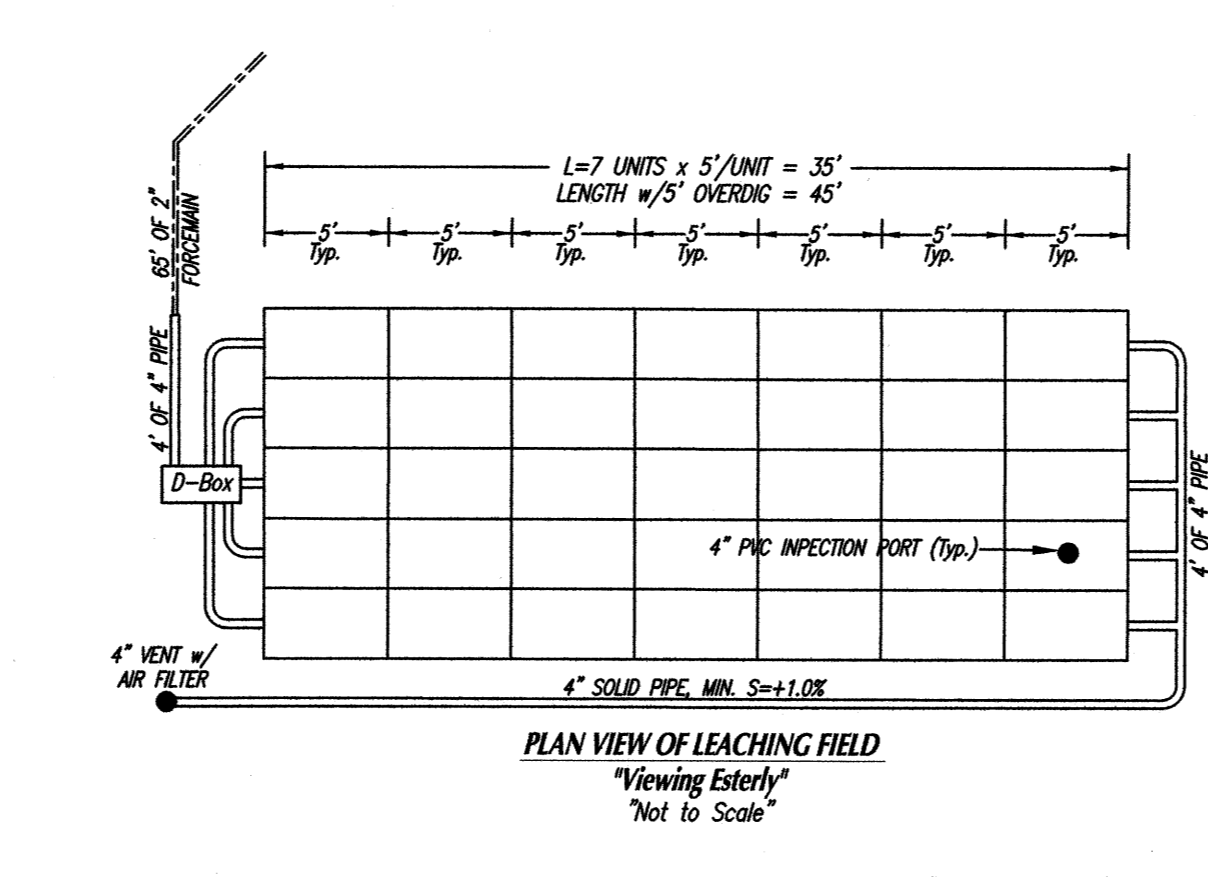
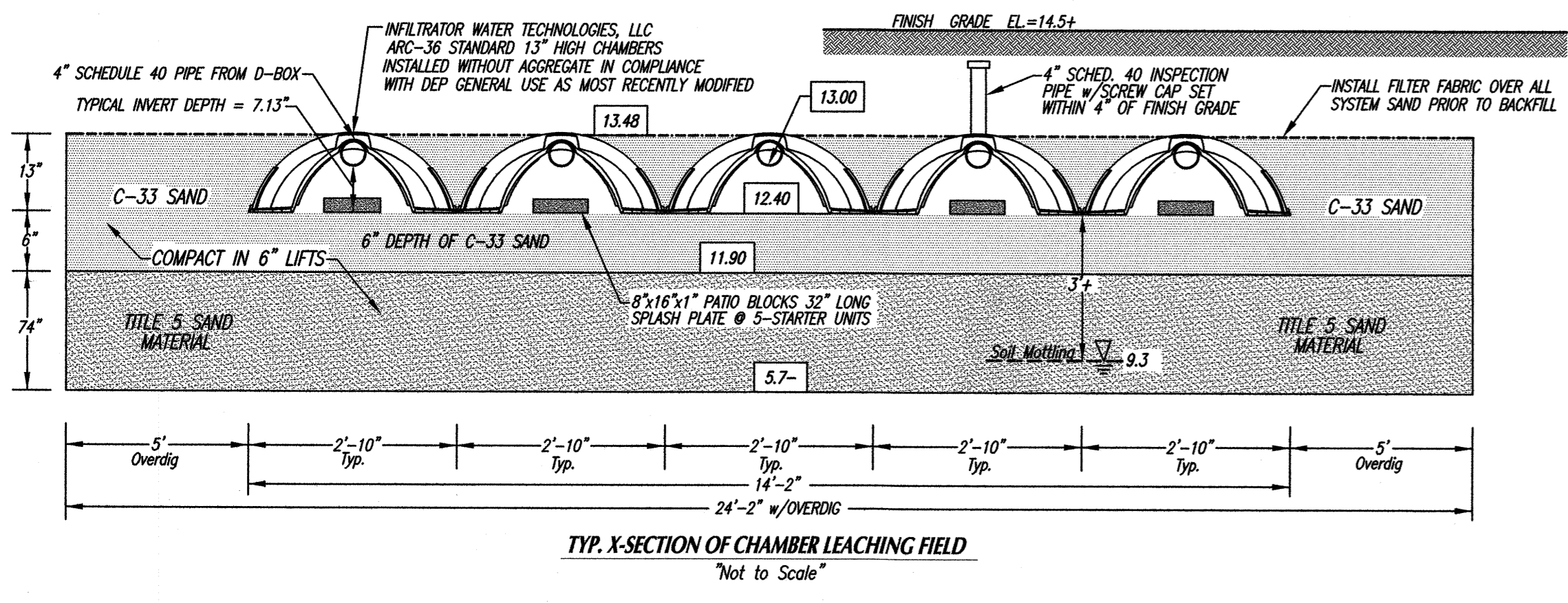


- GENERAL NOTES:**
- 1.) CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO ANY EXCAVATION THROUGH "DIG SAFE" AND OTHER APPROPRIATE AGENCIES, AND REPORT ANY DISCREPANCIES TO THIS OFFICE.
 - 2.) CONTRACTOR SHALL NOTIFY THIS OFFICE OF ANY AND ALL DISCREPANCIES FOUND BETWEEN THE SITE CONDITIONS AND THOSE SHOWN ON THIS PLAN PRIOR TO THE CONTINUATION OF WORK.
 - 3.) ANY AND ALL CHANGES FROM THE SITE DESIGN LAYOUT SHOWN MUST BE APPROVED BY THIS OFFICE AND OTHER APPROPRIATE APPLICABLE LOCAL OFFICIALS.
 - 4.) PERIMETER PROPERTY LINE SURVEY AND TOPOGRAPHY WAS TAKEN FROM A PLAN PREPARED BY DENIS SEGUIN, PLS AND WAS NOT THE RESULT OF FIELD SURVEY BY THIS OFFICE.

PROPERTY INFORMATION:
 SITE ADDRESS: 226 GREAT NECK ROAD
 ASSESSORS MAP # 25
 ASSESSORS LOT # 1000
 F.I.R.M. PANEL NO.: 250230581K
 FEMA FLOOD ZONES:
 PROPOSED WORK WITHIN ZONE X
 CURRENT ZONING DISTRICT:
 RESIDENCE 60 (R-60)
 BUILDING SETBACK REQUIREMENTS:
 FRONT: 60'
 SIDE: 20' REAR: 20'
 APPLICANT/OWNER OF RECORD:
 SALTWINDS TRUST
 c/o DAVID W. HEBERT, ELEANOR B. &
 CAROLYN V. HEBERT, TRUSTEES
 P.O. BOX 111
 FAIRHAVEN, MA 02719
 SEE DEED BOOK 1851, PAGE 455

1	Rev. #	DATE	BY	DESCRIPTION
SEWAGE DISPOSAL SYSTEM REPAIR PLAN FOR PROPERTY KNOWN as 732 SCONTICUT NECK ROAD in FAIRHAVEN, MA PREPARED FOR SALTWINDS TRUST				
Sheet 1 of 2 Sheets				
SCALE: 1"=20'		DATE: SEPTEMBER 25, 2019		
SCHNEIDER, DAVIGNON & LEONE, INC. PROFESSIONAL CIVIL ENGINEERS & LAND SURVEYORS 1 COUNTY RD, P.O. BOX 480, MATTAPOISETT, MA 02739 1-508-758-7866				
Drawn By: D.M.D.		Check By: N.D.S.		Job No. 3203

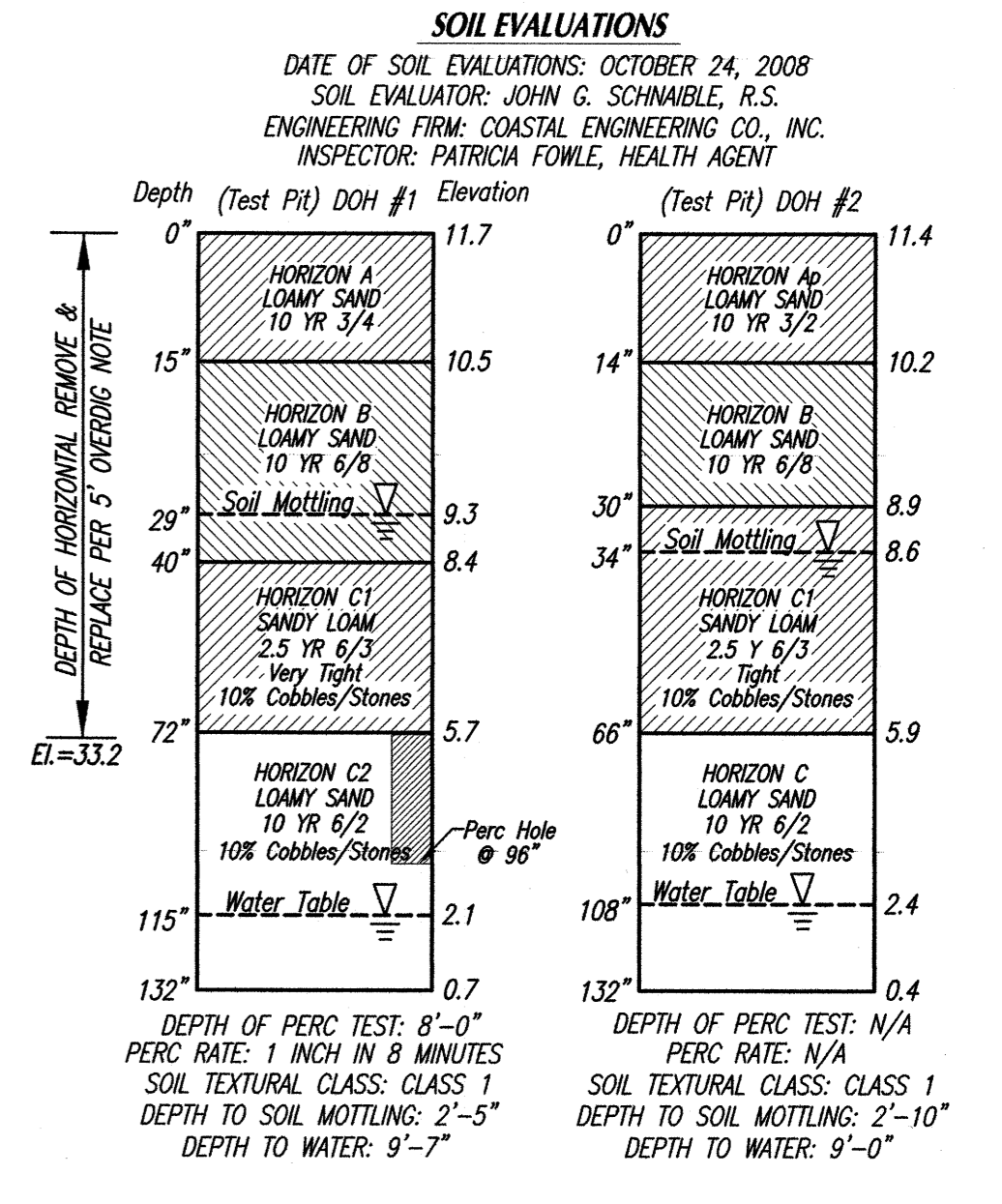
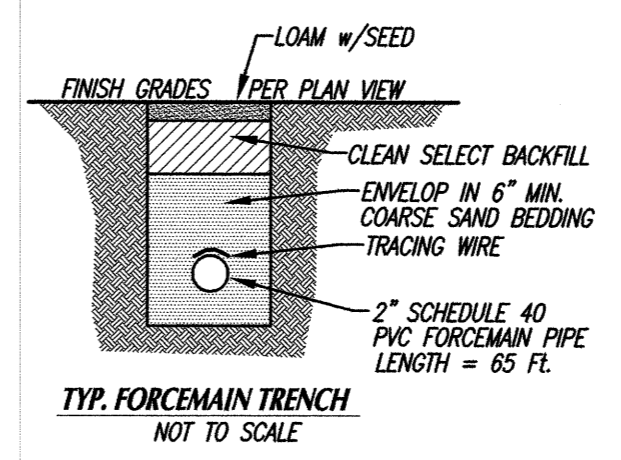
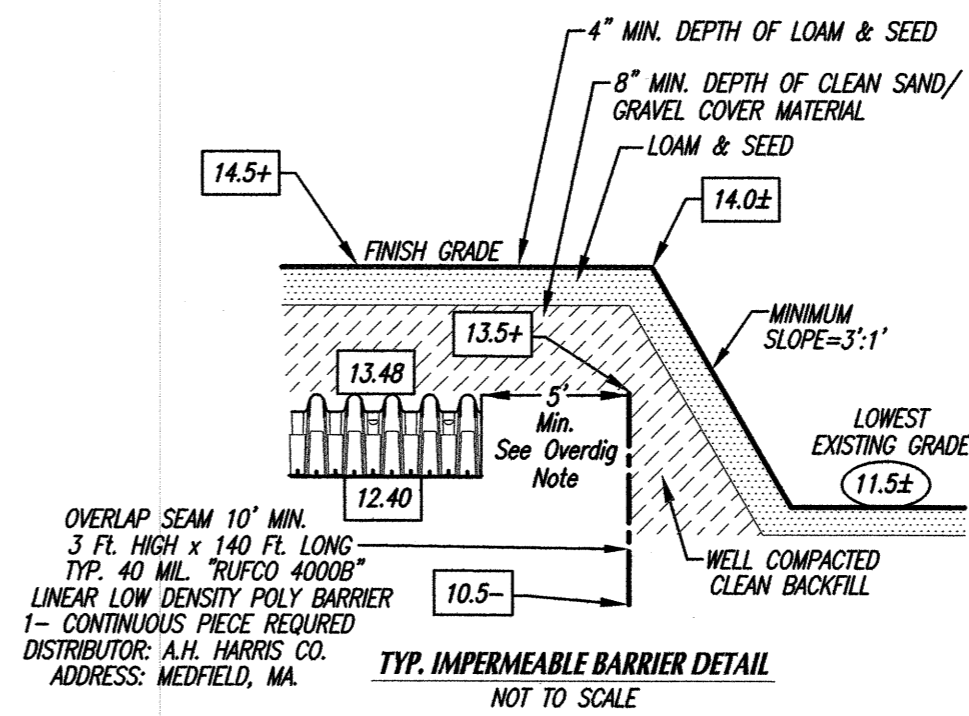




"REMOVE AND REPLACE" NOTE:
 WHERE REQUIRED, CONTRACTOR IS TO REMOVE ALL LOAM, SUBSOIL AND OTHER UNSUITABLE MATERIAL IN THE AREA BENEATH AND FOR 5 FT. ON ALL SIDES OF THE LEACHING FACILITY. EXCAVATED MATERIAL IS TO BE REPLACED WITH CLEAN COARSE SAND FREE FROM CLAY, FINES OR OTHER UNSUITABLE MATERIAL. IN ACCORDANCE WITH 310CMR (15.253) CONTRACTOR SHALL PROVIDE A SIEVE ANALYSIS OF FILL MATERIAL. 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 UP TO 45% BY WEIGHT OF THE SAMPLE MAY BE RETAINED ON THE #4 SIEVE. SIEVE ANALYSIS ALSO SHALL BE PERFORMED ON A FRACTION OF SAMPLE PASSING THE #4 SIEVE. SUCH ANALYSIS MUST DEMONSTRATE THAT THE MATERIAL MEETS EACH OF THE FOLLOWING SPECIFICATIONS AS LISTED TO THE RIGHT:

SIEVE SIZE	% THAT MUST PASS SIEVE
#4	100%
#10	100%-100%
#20	100%-100%
#40	100%-100%
#60	100%-100%
#100	100%-100%
#200	100%-100%

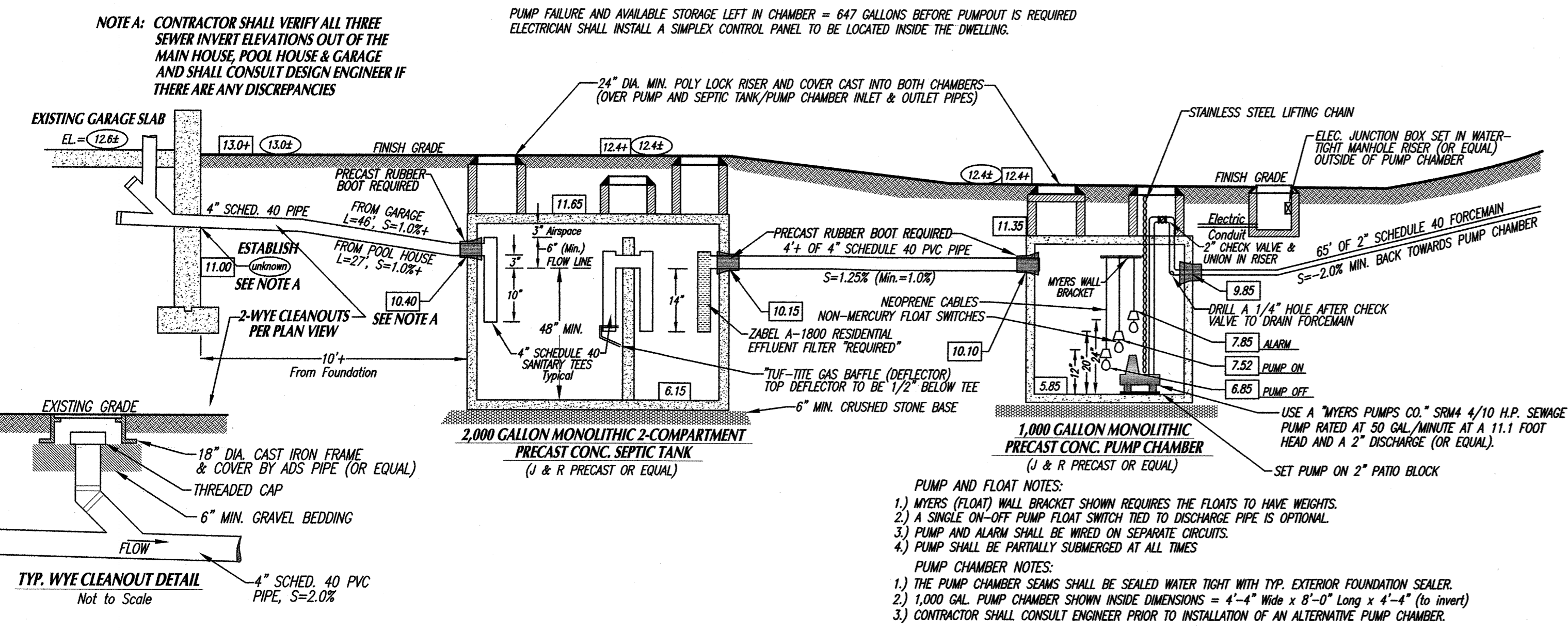
BOTTOM OF EXCAVATION SHALL BE LEVEL TO ELEVATION 5.7- INTO HORIZON C2, LOAMY SAND LAYER BASED UPON TEST PIT DOH #1 (ELEVATION TO BE VERIFIED BY ENGINEER IN FIELD PRIOR TO INSTALLATION). TOP OF FILL PER NOTE TO EXTEND TO EL. = 11.90 = 6" BELOW CHAMBERS. APPROX. VOLUME OF TITLE 5 SAND REQUIRED = 310 Cu.Yds. (20% Compaction Allowance). APPROX. VOLUME OF C-33 SYSTEM SAND REQUIRED = 65 Cu.Yds. (20% Compaction Allowance).



SEWAGE DISPOSAL SYSTEM DESIGN DATA
FLOW REQUIREMENTS:
 EXISTING 4 BEDROOM DWELLING + 1 BEDROOM APARTMENT OVER GARAGE
 EXISTING NO. OF BEDROOMS: FIVE (5)
 MINIMUM DAILY DESIGN FLOW PER TITLE 5: 110 GAL/BEDROOM/DAY
 TITLE 5 DESIGN FLOW: 110 GAL/BDRM x 5 BEDROOMS = 550 GAL/DAY
SEPTIC TANK SIZE:
 TITLE 5: 550 GAL. X 200% = 1,100 GALLONS DESIGN CAPACITY
INSTALL A 2-COMPARTMENT 2,000 GALLON MONOLITHIC SEPTIC TANK.
 MIN. 1st COMPARTMENT = 1,100 GAL. AND 2nd COMPARTMENT = 550 GAL.
PUMP CHAMBER SIZE:
 DESIGN DOSING CYCLE: 173 + MIN. STORAGE CAPACITY 550 = 723 GALLONS
INSTALL 1,000 GALLON MONOLITHIC PUMP CHAMBER

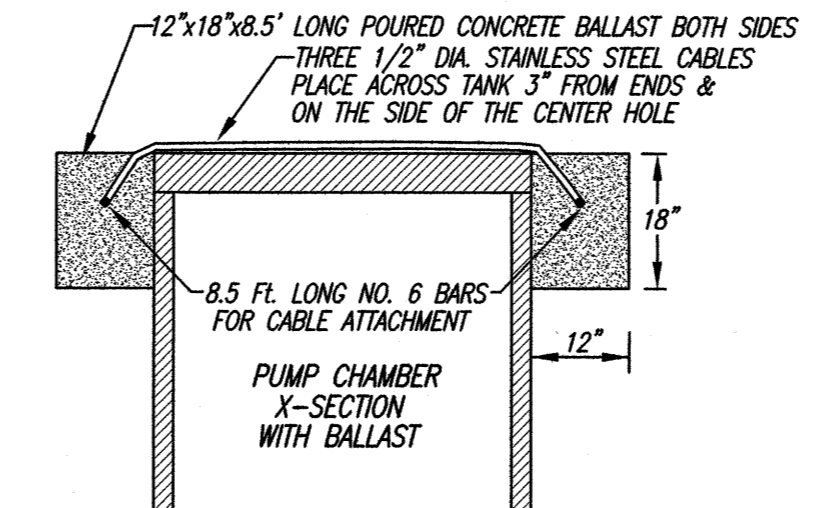
TYPICAL CHAMBER LEACHING FIELD:
 DESIGN SOIL TEXTURAL CLASS: CLASS 1
 DESIGN PERCOLATION RATE: 1 INCH IN 8 MINUTES
 LONG TERM ACCEPTANCE RATE: 0.66
 REQUIRED LEACHING AREA: 550 GAL/DAY Divided By LTAR: 0.66 = 833 Sq.Ft.
 LEACHING AREA PROVIDED: 4.80 Sq.Ft./Linear Ft. OF ARC-36 STANDARD 13" HIGH UNITS (5 ROWS x 7 UNITS/ROW) = 35 UNITS x 5 FL./UNIT x 105 FL. OF CHAMBERS
 175 LINEAR FT. OF ARC-36 STANDARD 13" HIGH UNITS x 4.80 Sq.Ft./LINEAR Ft. = 840 Sq.Ft.
 840 Sq.Ft. x 0.66 GAL/Sq.Ft. = 554 GAL LEACHING/DAY
INSTALL FIVE (5) ROWS w/ SEVEN (7) UNITS PER ROW OF ADS ARC-36 STANDARD CHAMBERS

TOTALS
 TOTAL NUMBER OF DISTRIBUTION LINES = FIVE (5)
 TOTAL NO. OF ADS ARC-36 STANDARD (13" HIGH) CHAMBERS = THIRTY-FIVE (35)
 TOTAL LEACHING AREA = 840 Sq.Ft. > (REQUIRED) 833 Sq.Ft.
 TOTAL LEACHING CAPACITY = 554 GAL/DAY > (REQUIRED) 550 GAL/DAY

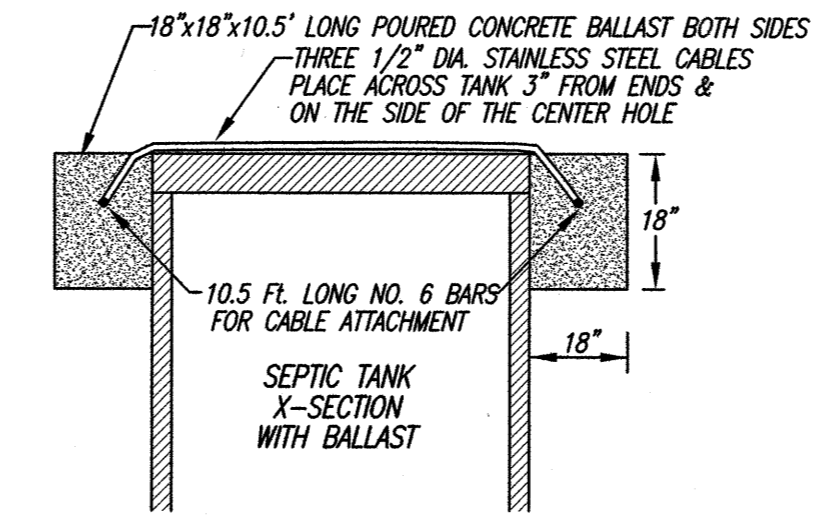


PUMP AND FLOAT NOTES:
 1. MYERS (FLOAT) WALL BRACKET SHOWN REQUIRES THE FLOATS TO HAVE WEIGHTS.
 2. A SINGLE ON-OFF PUMP FLOAT SWITCH TIED TO DISCHARGE PIPE IS OPTIONAL.
 3. PUMP AND ALARM SHALL BE WIRED ON SEPARATE CIRCUITS.
 4. PUMP SHALL BE PARTIALLY SUBMERGED AT ALL TIMES.

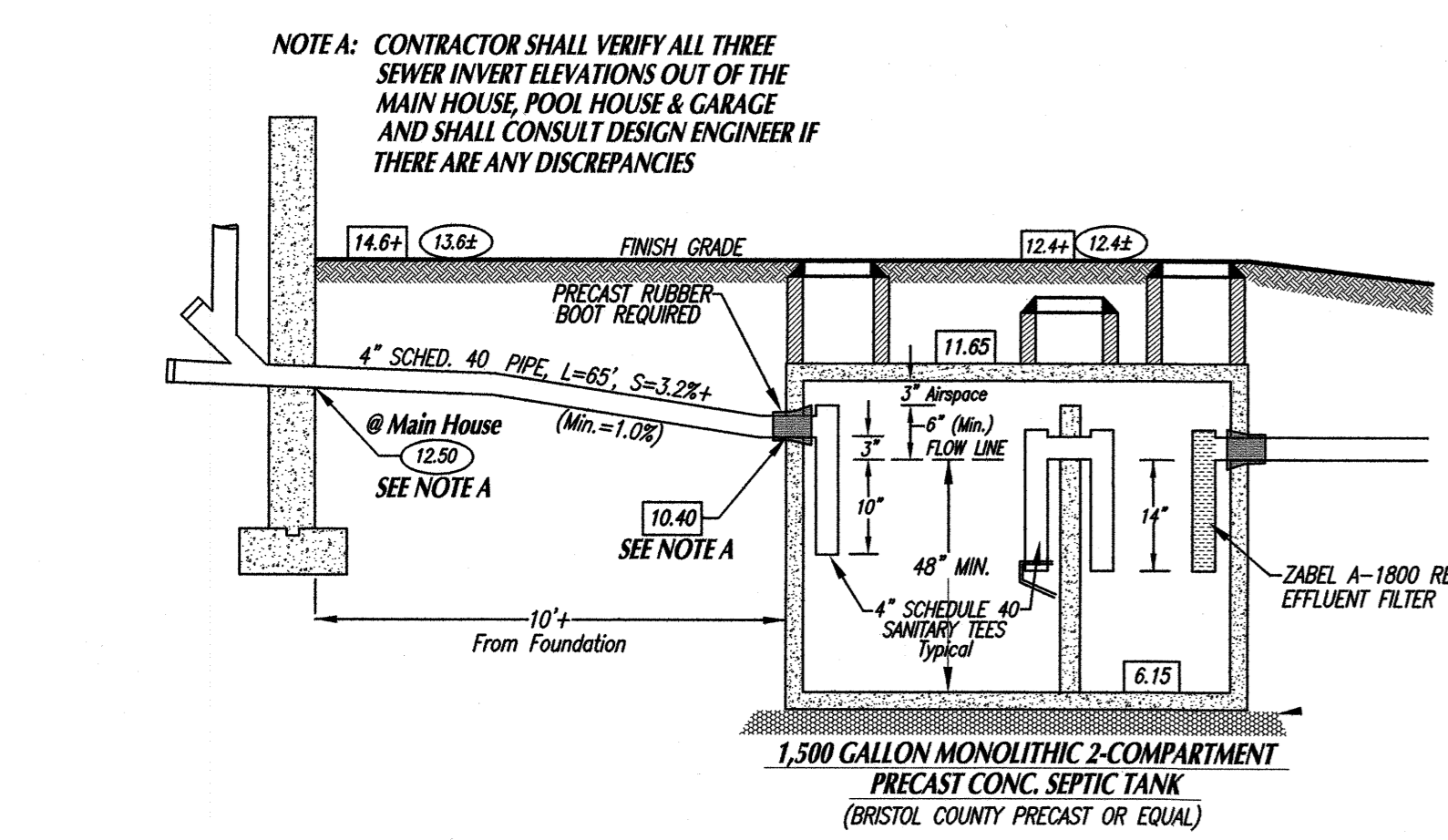
PUMP CHAMBER NOTES:
 1. THE PUMP CHAMBER SEAMS SHALL BE SEALED WATER TIGHT WITH TYP. EXTERIOR FOUNDATION SEALER.
 2. 1,000 GAL. PUMP CHAMBER SHOWN INSIDE DIMENSIONS = 4'-4" Wide x 8'-0" Long x 4'-4" (to invert)
 3. CONTRACTOR SHALL CONSULT ENGINEER PRIOR TO INSTALLATION OF AN ALTERNATIVE PUMP CHAMBER.



PUMP CHAMBER BUOYANCY CALCULATIONS:
 1,000 GALLON PUMP CHAMBER, WORST CASE = EMPTY TANK SUBMERGED DURING COASTAL STORM EVENT
 WATER DISPLACED: (4'-10") (8'-8") (5'-10") (62.4 lbs./cu.ft.) = 14,945 lbs.
 WEIGHT OF "J" & R PRE-CAST, INC. 1,000 GAL. MONOLITHIC CONCRETE SEPTIC TANK = 10,086 lbs.
 WEIGHT OF SOIL COVER SHOWN = (4'-10") (8'-8") (12" min.) (70 lbs./cu.ft.) = 2,434 lbs.
 PROPOSED CONCRETE BALLAST: (12" Wide) (18" High) (8'-6" Long) (150 lbs./Cu.Ft.) (2) = 3,825 lbs.
 BUOYANCY FORCE = 14,945 lbs. - (10,086 + 2,434 + 3,825) lbs. = (Negative) - 1,400 lbs.



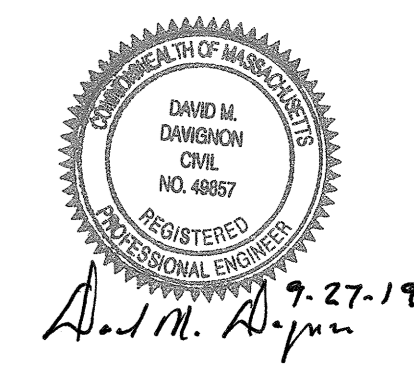
SEPTIC TANK BUOYANCY CALCULATIONS:
 1,500 GALLON SEPTIC TANK, WORST CASE = EMPTY TANK SUBMERGED DURING COASTAL STORM EVENT
 WATER DISPLACED: (5'-8") (10'-6") (5'-10") (62.4 lbs./cu.ft.) = 21,654 lbs.
 WEIGHT OF "J" & R PRE-CAST, INC. 1,500 GAL. MONOLITHIC CONCRETE SEPTIC TANK = 13,288 lbs.
 WEIGHT OF SOIL COVER SHOWN = (5'-8") (10'-6") (9" min.) (70 lbs./cu.ft.) = 2,631 lbs.
 PROPOSED CONCRETE BALLAST: (18" Wide) (18" High) (10'-6" Long) (150 lbs./Cu.Ft.) (2) = 7,087 lbs.
 BUOYANCY FORCE = 21,654 lbs. - (13,288 + 2,631 + 7,087) lbs. = (Negative) - 1,352 lbs.



NOTE A: CONTRACTOR SHALL VERIFY ALL THREE SEWER INVERT ELEVATIONS OUT OF THE MAIN HOUSE, POOL HOUSE & GARAGE AND SHALL CONSULT DESIGN ENGINEER IF THERE ARE ANY DISCREPANCIES

PUMP CALCULATIONS:
 PROPOSED DESIGN DOSING CYCLE 173 GAL - 12 GAL. OF BACKFLOW = 161 GAL./CYCLE
 VERTICAL HEAD LOSS: EL. 13.35 (4" Prior to D-Box Inv. In) - EL. 5.85 (Pump Intake El.) = 7.5 Ft.
 FRICTION HEAD LOSS: 7 Ft. OF 2" PVC PIPE (Inside Tank) x 4.68 FL./100 Ft. (AT 50 GAL./MIN.) x 110% = 0.3 Ft.
 TOTAL HEAD LOSS = 7.5 Ft. + 0.3 Ft. + 3.3 Ft. = 11.1 Ft. at 50 GALLONS PER MINUTE
 PUMP RUN TIME = 173 GALLON CYCLE DIVIDED BY 50 GAL./MIN. = 3.5 MINUTES
 PUMP DRAW DOWN = 173 GAL./CYCLE DIVIDED BY 259 GAL./FL. = 0.67 Ft. = 8 INCHES
 INSTALL A "MYERS PUMP CO." MODEL NO. SRM4 4/10 H.P. SEWAGE PUMP RATED AT 50 G.P.M. AT 11.1 Ft. OF HEAD
 INSTALL THREE NON-MERCURY FLOAT SWITCHES, ON, OFF AND ALARM, ALARM ACTIVATION WILL INDICATE
 PUMP FAILURE AND AVAILABLE STORAGE LEFT IN CHAMBER = 583 GALLONS BEFORE PUMPOUT IS REQUIRED
 ELECTRICIAN SHALL INSTALL A SIMPLEX CONTROL PANEL TO BE LOCATED INSIDE THE BUILDING.

SEPTIC SYSTEM NOTES:
 1. UNLESS OTHERWISE NOTED, ALL SYSTEM COMPONENTS AND CONSTRUCTION METHODS SHALL CONFORM TO 310 CMR 15.00, TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND ANY APPLICABLE LOCAL REGULATIONS.
 2. DESIGN ENGINEER AND LOCAL BOARD OF HEALTH ARE TO BE NOTIFIED PRIOR TO BACKFILLING WHEN THE SYSTEM IS NEARLY COMPLETE AND READY FOR INSPECTION. THE SYSTEM IS NOT TO BE BACKFILLED WITHOUT FIRST OBTAINING APPROVAL FROM THE BOARD OF HEALTH AND DESIGN ENGINEER.
 3. SEPTIC SYSTEM COMPONENTS SHALL BE H-10 PRODUCTS IF LOCATED UNDER DRIVEWAY/PARKING OR OTHER AREAS SUBJECT TO VEHICULAR TRAFFIC. ALL OTHER SYSTEM COMPONENTS SHALL BE H-10 PRODUCTS.
 4. SEPTIC TANK & PUMP CHAMBER TO BE WATER TIGHT THRU MANUFACTURERS SPECS.
 5. CAST IN PLACE RUBBER BOOT TO BE USED WHERE PIPES ENTER OR LEAVE ALL CONCRETE STRUCTURES IN ORDER TO PROVIDE A WATER TIGHT SEAL.
 6. USE ALL SCHEDULE 40 PVC PIPE IN DISPOSAL SYSTEM AS SPECIFIED.
 7. SLOPE ALL SOLID PIPE AT 1.0% MINIMUM, 2.0% IS PREFERRED.
 8. THIS SYSTEM IS NOT DESIGNED FOR A GARAGE DISPOSAL UNIT, WATER SOFTENER OR OTHER HIGH WATER USAGES.
 9. ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE.



Rev. #	DATE	BY	DESCRIPTION
1			

SEWAGE DISPOSAL SYSTEM REPAIR PLAN
 FOR PROPERTY KNOWN
 as 732 SCANTICUT NECK ROAD in
 FAIRHAVEN, MA
 PREPARED FOR
SALT WINDS TRUST
 Sheet 2 of 2 Sheets
 SCALE: 1"=20' DATE: SEPTEMBER 25, 2019
SCHNEIDER, DAVIGNON & LEONE, INC.
 PROFESSIONAL CIVIL ENGINEERS & LAND SURVEYORS
 1 COUNTY RD, P.O. BOX 480, MATTAPOISETT, MA 02739
 1-508-758-7866
 Drawn By: D.M.D. Check By: N.D.S. Job No. 3203

LEWIS LANDING

PROPOSED MULTI-UNIT RESIDENTIAL DEVELOPMENT

HUTTLESTON AVE.

FAIRHAVEN, MASSACHUSETTS

APPLICANT/OWNER:

DANA LEWIS
18 TANNER LANE
FAIRHAVEN, MA 02719

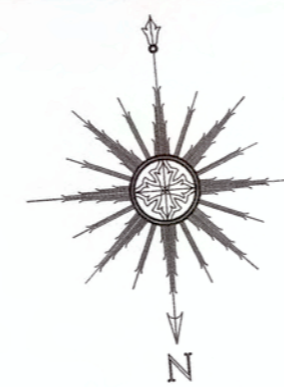
LOCUS:

MAP 31 - LOT 117C AND LOT 115A
HUTTLESTON AVENUE
FAIRHAVEN, MA



SCHEDULE OF DRAWINGS

SHEET NUMBER	PLAN TITLE
-	COVER SHEET
1	EXISTING CONDITIONS PLAN
2	SITE LAYOUT AND LANDSCAPING PLAN
3	GRADING & UTILITIES PLAN
4	EROSION CONTROL PLAN
5	DETAIL SHEET-1
6	DETAIL SHEET-2
7	ARCHITECTURALS



SCALE: 1"=100'

SEPTEMBER 9, 2019

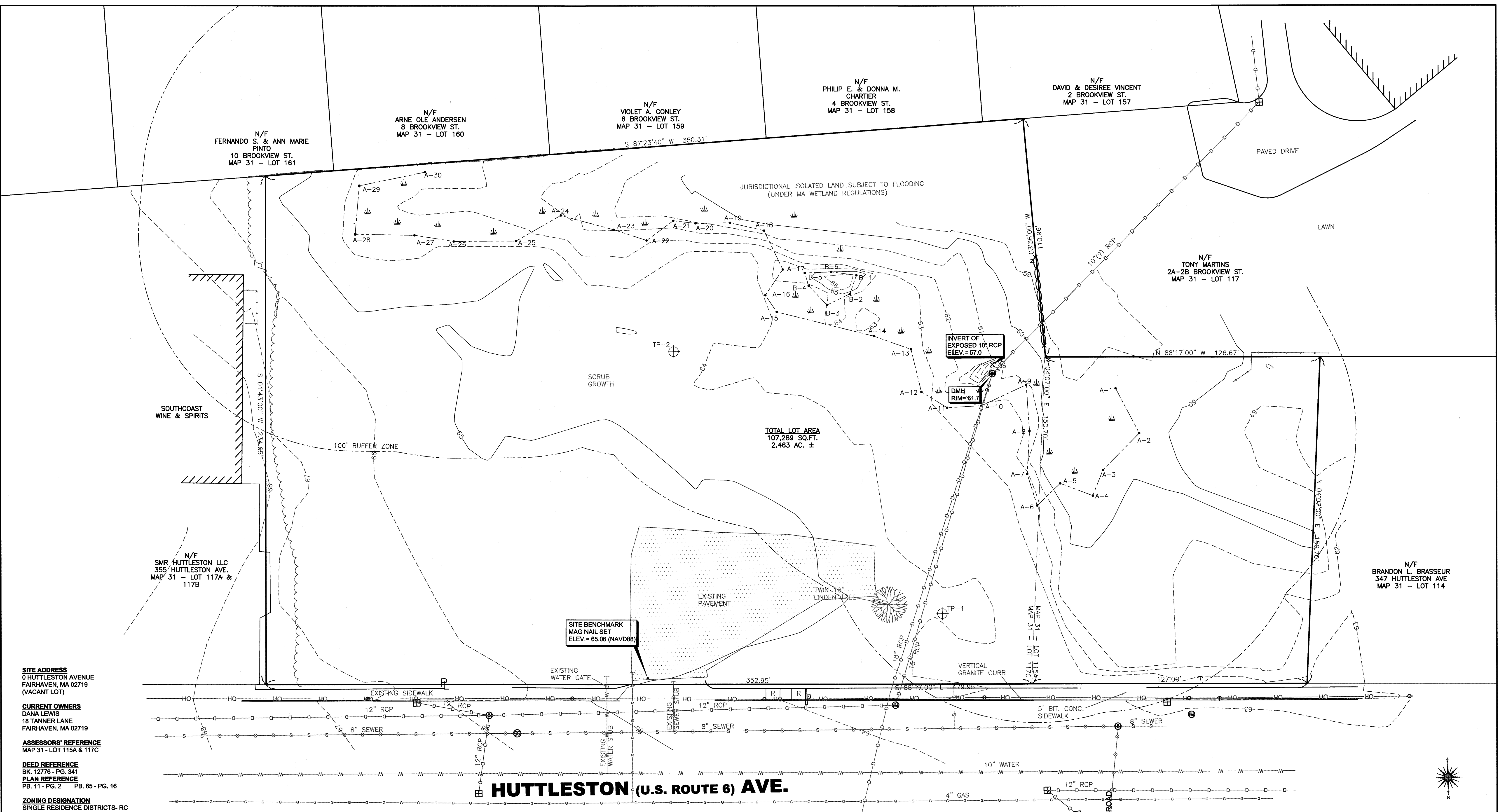
PREPARED FOR DANA LEWIS

PREPARED BY:

PRIME ENGINEERING
INC



CIVIL ENGINEERING—LAND SURVEYING—ENVIRONMENTAL ASSESSMENT
P.O. BOX 1088, 350 BEDFORD STREET, LAKEVILLE, MA 02347
TEL: 508.947.0050 FAX: 508.947.2004



SITE ADDRESS
 0 HUTTLESTON AVENUE
 FAIRHAVEN, MA 02719
 (VACANT LOT)

CURRENT OWNERS
 DANA LEWIS
 18 TANNER LANE
 FAIRHAVEN, MA 02719

ASSESSORS' REFERENCE
 MAP 31 - LOT 115A & 117C

DEED REFERENCE
 BK-12776 - PG. 341

PLAN REFERENCE
 PB. 11 - PG. 2 PB. 65 - PG. 16

ZONING DESIGNATION
 SINGLE RESIDENCE DISTRICTS- RC

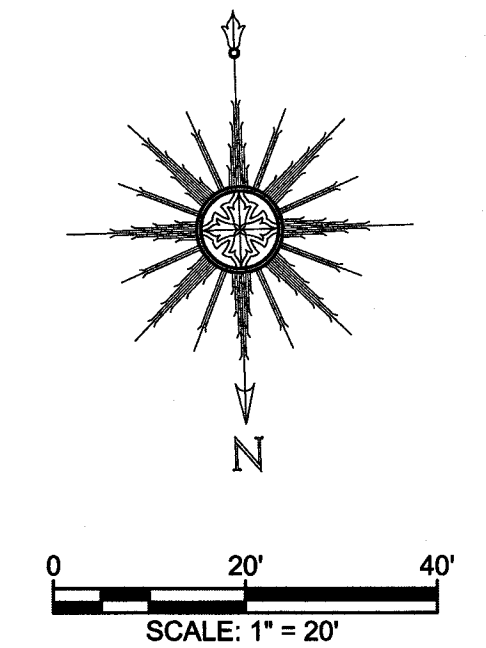
VERTICAL DATUM SHOWN
 NAVD88

FEMA FLOODZONE DESIGNATION
 ZONE X- AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. AS SCALED FROM FLOOD INSURANCE RATE MAP NUMBER:25005-C-0413F, EFFECTIVE DATE: 7/7/2009

NOTE:
 THE WETLAND DELINEATION LINE SHOWN HEREON WAS BASED ON A PLAN BY ALLEN D. QUINTIN, DATED JANUARY 11, 2017 AND WAS NOT FIELD LOCATED BY PRIME ENGINEERING INC. DELINEATION APPROVED BY FAIRHAVEN CONSERVATION COMMISSION.

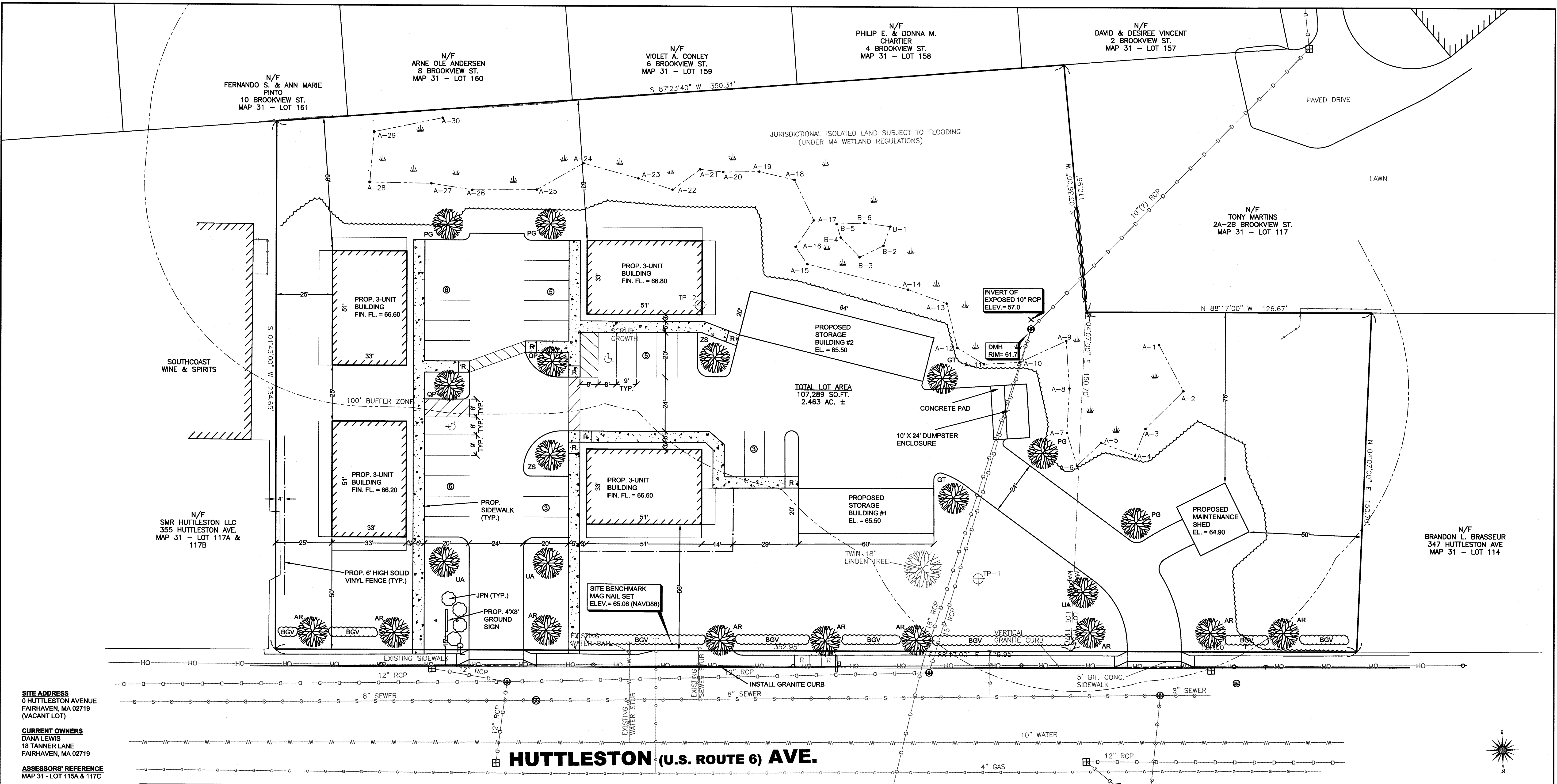
ELEV. (FEET)	TP-1 (INCHES)	DEPTH (INCHES)	ELEV. (FEET)	TP-2 (INCHES)	DEPTH (INCHES)
64.3	0	0	64.2	0	0
59.30	60	SL FILL	59.20	60	SL FILL
58.30	72	MUCK	58.20	72	MUCK
58.30	96	DENSE TILL	56.20	96	FS
55.20	108		55.20	108	DENSE TILL

SEEPAGE ENCOUNTERED @ 60"



REV.	DATE	DESCRIPTION	BY	APP.

DRAWING TITLE EXISTING CONDITIONS PLAN		SCALE: 1" = 20'
PROJECT MAP 31- LOT 117C FAIRHAVEN, MASSACHUSETTS		DATE: SEPT. 9, 2019
CLIENT DANA LEWIS FAIRHAVEN, MASSACHUSETTS		DRAWN BY: SWL
DESIGNED BY: RJR		CHECKED BY: RJR
CIVIL ENGINEERING LAND SURVEYING ENVIRONMENTAL ASSESSMENT 		P.O. BOX 1088 350 BEDFORD ST. LAKEVILLE, MA 02347 TEL: 508.947.0050 FAX: 508.947.2004
APPROVED BY: RJR		PROJECT NO. 2729-01-01
SHEET NO. 1 OF 7		



SITE ADDRESS
 0 HUTTLESTON AVENUE
 FAIRHAVEN, MA 02719
 (VACANT LOT)

CURRENT OWNERS
 DANA LEWIS
 18 TANNER LANE
 FAIRHAVEN, MA 02719

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ZONING DESIGNATION
 SINGLE RESIDENCE DISTRICTS- RC

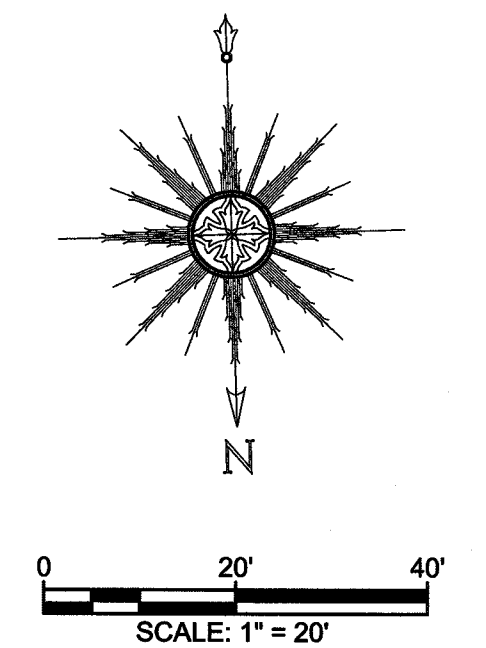
VERTICAL DATUM SHOWN
 NAVD88

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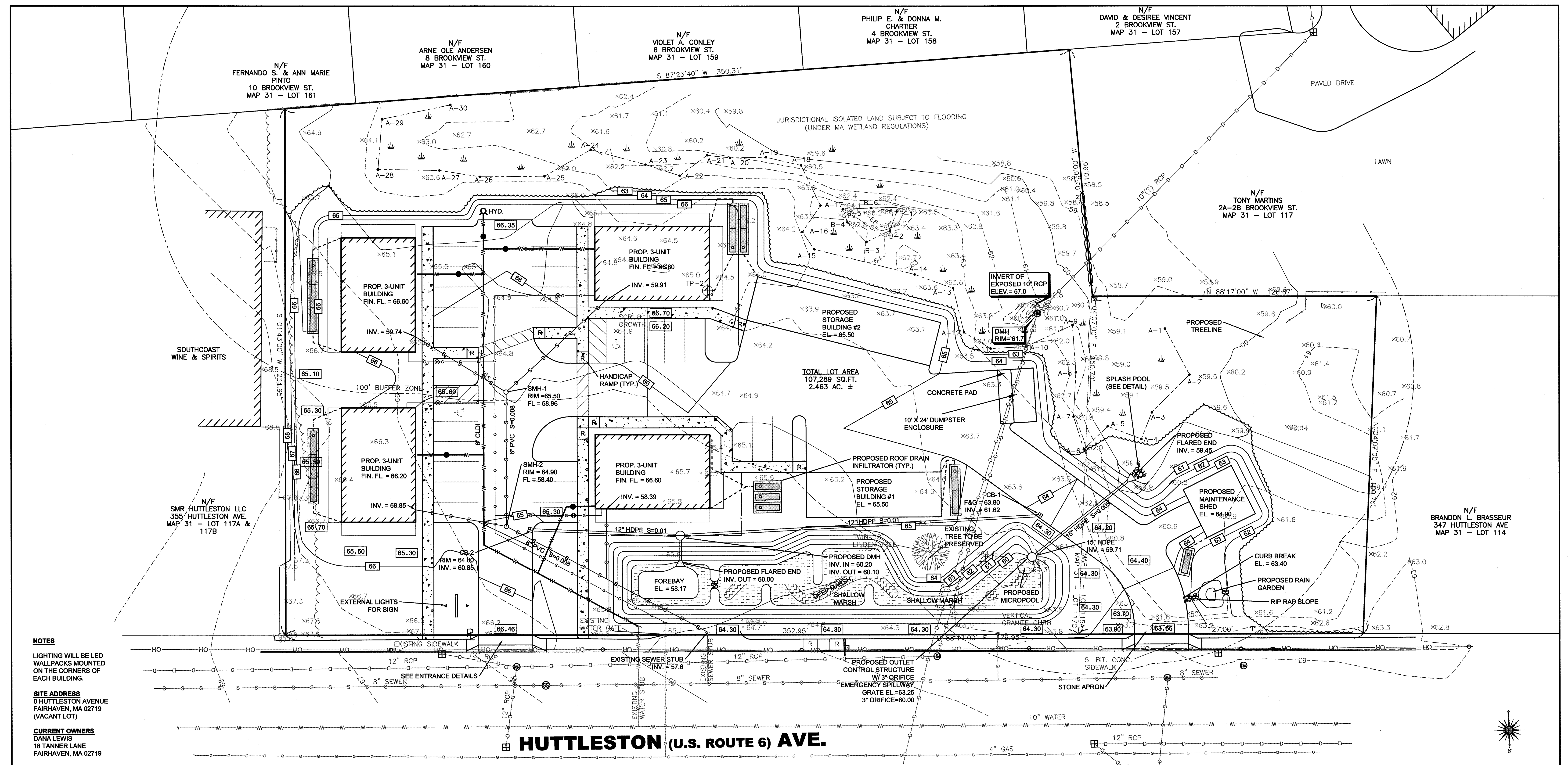
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LOT 2 PLANTING SCHEDULE (REQUIRED TREES ONLY)						
DECIDUOUS TREES						
SYMBOL	QUANTITY	% OF TOTAL	BOTANICAL NAME	COMMON NAME	SIZE	MATURE HEIGHT / MATURE WIDTH
AR	9	41%	ACER RUBRUM 'RED SUNSET'	RED MAPLE	2.5"-3 CAL.	60' / 40'
GT	2	9%	GLEDITSIA TRIACANTHOS 'SHADEMASTER'	HONEYLOCUST	2.5"-3 CAL.	50' / 30'
QP	2	9%	QUERCUS PALUSTRIS	PIN OAK	2.5"-3 CAL.	65' / 50'
UA	3	14%	ULMUS AMERICANA 'VALLEY FORGE'	VALLEY FORGE ELM	2.5"-3 CAL.	70' / 60'
ZS	2	9%	ZELKOVA SERRATA 'VILLAGE GREEN'	JAPANESE ZELKOVA	2.5"-3 CAL.	60' / 60'
% DECIDUOUS TREES: 82%						
EVERGREEN TREES						
PG	4	18%	PICEA GLAUCA	BLUE SPRUCE	4'-6" HT.	75' / N/A
DECIDUOUS SHRUBS						
SHRUBS						
BGV	75	-	BUXUS SEMPERVIRENS	GREEN VELVET BOXWOOD	GAL	4' / 4'
JPN	4	-	JUNIPER PROCUMBENS NANA	DWARF JAPANESE JUIPER	GAL	1' / 3'

RC ZONING TABLE		
REQUIREMENT	REQUIRED	PROVIDED
MINIMUM FRONTAGE	100 L.F.	479.95 L.F.
MINIMUM LOT AREA	15,000 S.F.	107,289 S.F.
MINIMUM SETBACKS:		
FRONT	50 FT	50.0 FT
SIDES	25 FT	25.0 FT
REAR	50 FT	50.4 FT
MINIMUM CONTIGUOUS UPLAND	70,000 S.F.	85,151 S.F.
MAXIMUM LOT COVERAGE	50%	38.6%
MAXIMUM BUILDING COVERAGE	25%	11.7%



DRAWING TITLE		SITE LAYOUT AND LANDSCAPING PLAN		SCALE:	1" = 20'
PROJECT		MAP 31- LOT 117C FAIRHAVEN, MASSACHUSETTS		DATE:	SEPT. 9, 2019
CLIENT		DANA LEWIS FAIRHAVEN, MASSACHUSETTS		DRAWN BY:	SWL
DESIGNED BY:		RJR		CHECKED BY:	RJR
APPROVED BY:		RJR		PROJECT NO.:	2729-01-01
CIVIL ENGINEERING LAND SURVEYING ENVIRONMENTAL ASSESSMENT PRIME ENGINEERING		P.O. BOX 1088 350 BEDFORD ST. LAKEVILLE, MA 02347 TEL: 508.947.0050 FAX: 508.947.2004			
REV.	DATE	DESCRIPTION	BY	APP.	



NOTES

LIGHTING WILL BE LED WALLPACKS MOUNTED ON THE CORNERS OF EACH BUILDING.

SITE ADDRESS
0 HUTTLESTON AVENUE
FAIRHAVEN, MA 02719
(VACANT LOT)

CURRENT OWNERS
DANA LEWIS
18 TANNER LANE
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ZONING DESIGNATION
SINGLE RESIDENCE DISTRICTS- RC

VERTICAL DATUM SHOWN
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FEMA FLOODZONE DESIGNATION
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DEEP MARSH PLANTINGS

BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
NUPHAR LUTEUM	YELLOW WATER LILY	TUBERS	10
NYMPHAEA ODORATA	WHITE WATER LILY	TUBERS	10
PONTERDERIA CORDATA	PICKEREL WEED	2" PLUG	10
POTAMOGETON NODOSUS	LONG LEAF PONDWEED	RHIZOMES	10
POTAMOGETON	SAGO PONDWEED	TUBERS	10
PECTINATUS			
VALLISNERIA AMERICANA	WILD CELERY	TUBERS	10

SHALLOW MARSH PLANTINGS

BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY
ACORUS AMERICANA	SWEET FLAG	2" PLUG	10
ALISMA			
PLANTAGO-AQUATICA	WATER PLANTAIN	2" PLUG	20
ASTER PUNICEUS	SWAMP ASTER	2" PLUG	20
CALAMAGROSTIS			
CAREX COMOSA	BEARDED SEDGE	2" PLUG	20
CAREX STRICTA	TUSsock SEDGE	2" PLUG	20

DETENTION BASIN PLANTING SCHEDULE

ROOF DRAIN CALCULATIONS

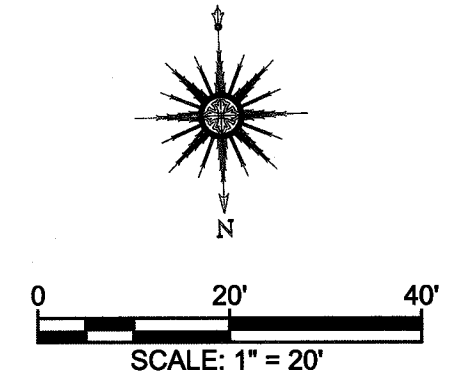
REQUIRED STORM CATCHMENT = 0.25*/SF OF IMP. AREA

INFILTRATION REQUIREMENT = 30,964 SF IMP. X 0.25*/SF = 645 CF

CULTREC 150XLHD INFILTRATOR W/ 12" CRUSHED STONE BOTTOM = 56.8 CF STORAGE

645 CF / 56.8 CF/CHAMBER = 11 CHAMBERS REQUIRED (MIN.)

CHAMBERS PROVIDED = 16, TOTAL STORM CATCHMENT PROVIDED = 0.31*/SF IMP. AREA



LEGEND

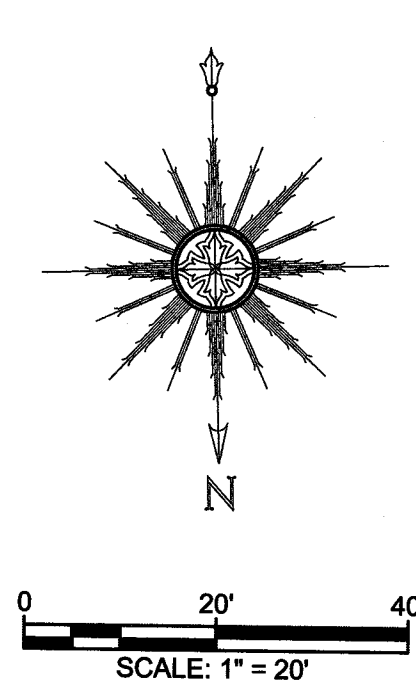
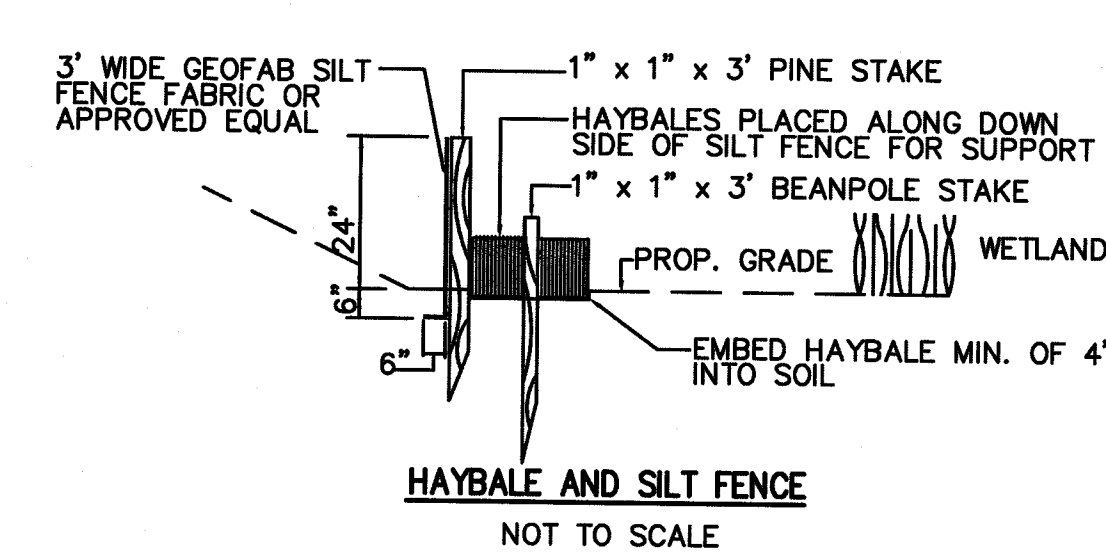
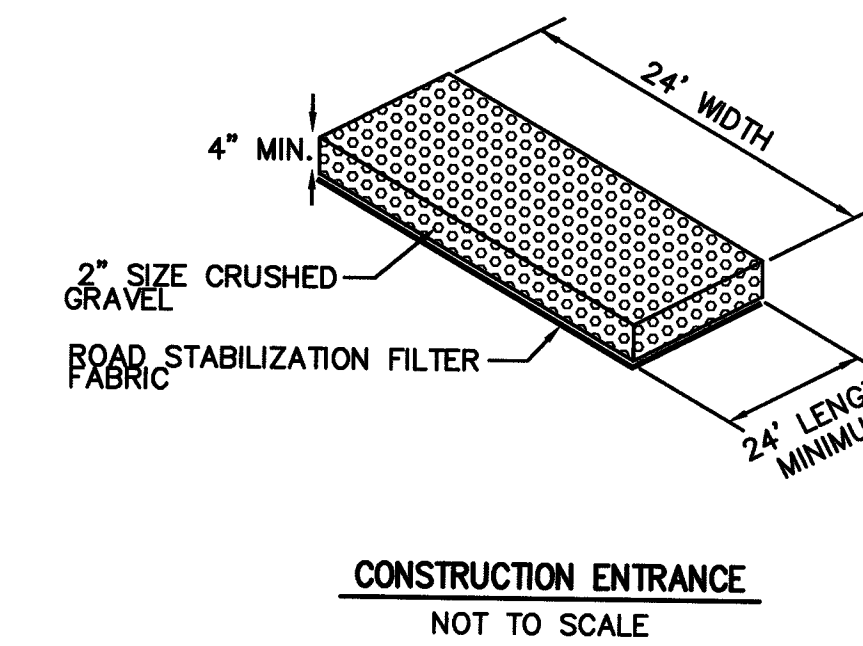
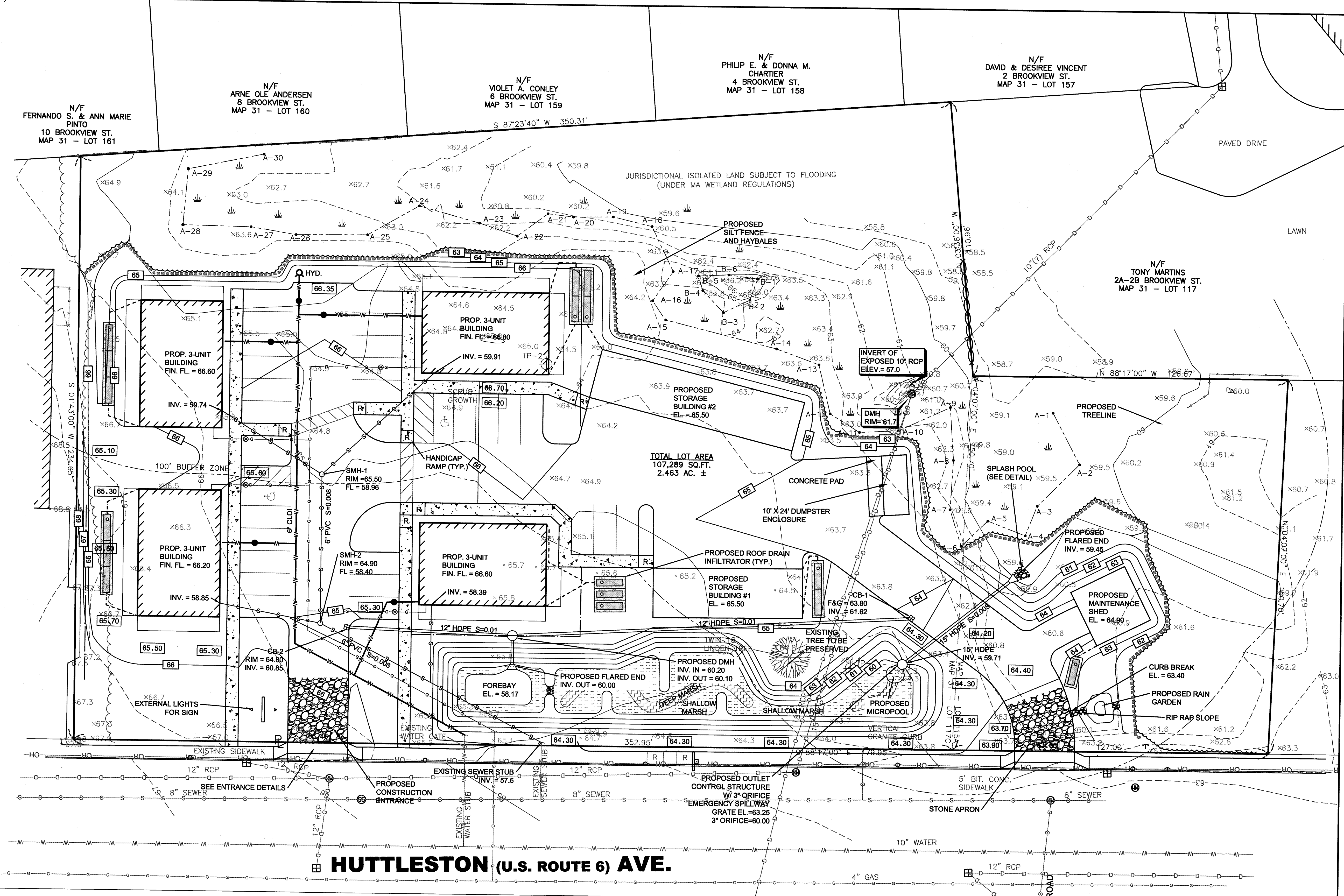
100	EXISTING CONTOURS
x98.5	EXISTING SPOT ELEVATION
TP-101	OBSERVATION HOLE LOCATION
100	PROPOSED CONTOURS
100.0	PROPOSED SPOT ELEVATION
(Wavy line)	EXISTING TREELINE
(Dashed wavy line)	PROPOSED TREELINE
(R)	HANDICAP RAMP
(Dashed line)	PROPOSED GAS
(Dashed line)	PROPOSED SEWER

REV	DATE	DESCRIPTION	BY	APP.

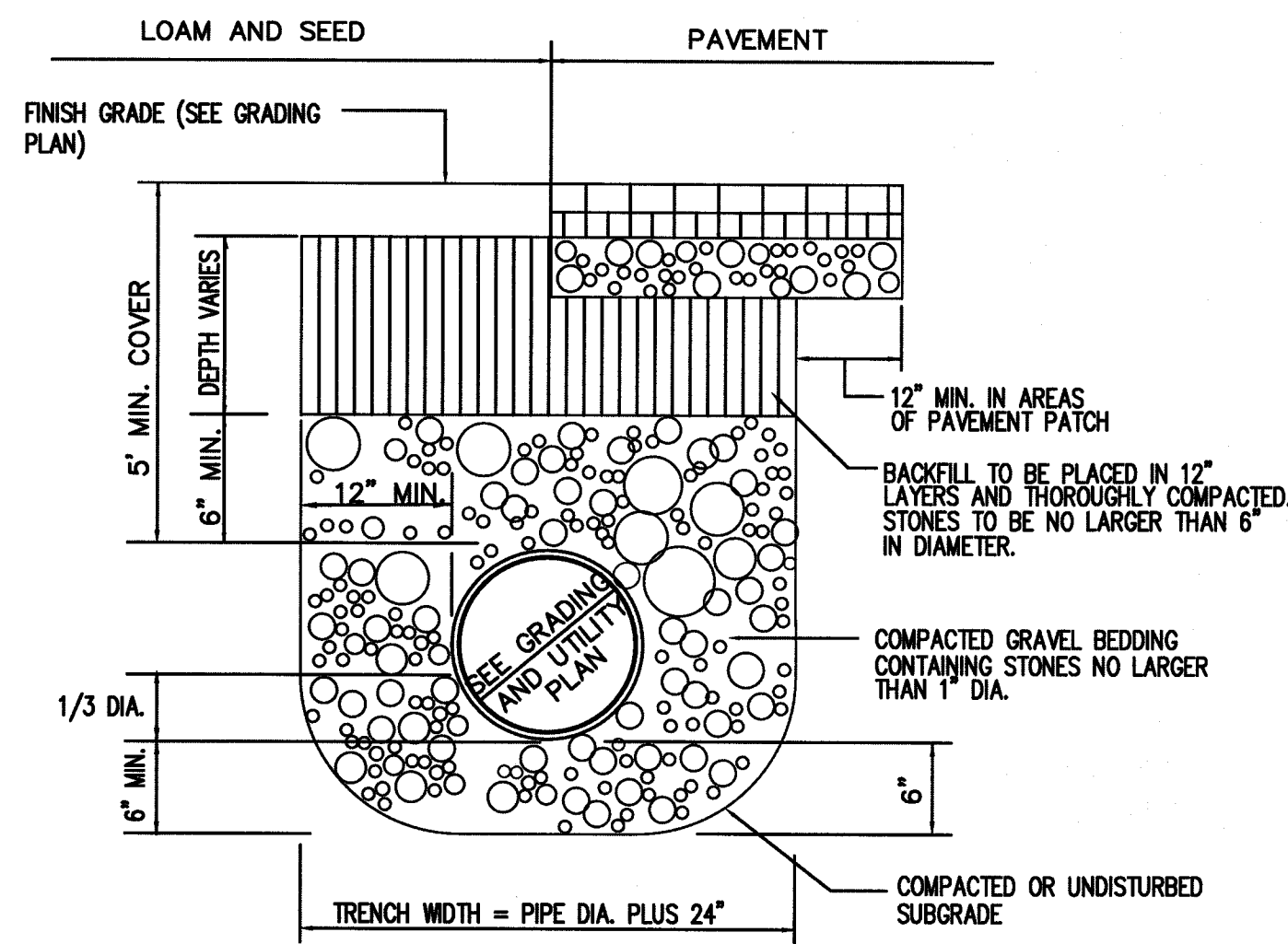
DRAWING TITLE		SCALE:	
GRADING AND UTILITIES PLAN		1" = 20'	
PROJECT		DATE:	
MAP 31- LOT 117C FAIRHAVEN, MASSACHUSETTS		SEPT. 9, 2019	
CLIENT		DRAWN BY:	
DANA LEWIS FAIRHAVEN, MASSACHUSETTS		SWL	
DESIGNED BY:		CHECKED BY:	
RJR		RJR	
APPROVED BY:		PROJECT NO.:	
RJR		2729-01-01	

EROSION & SEDIMENT CONTROL NOTES:

- THE FOLLOWING IS THE MINIMUM REQUIREMENTS THE CONTRACTOR SHALL FOLLOW TO PREVENT IMPACTS CAUSED BY EROSION AND SEDIMENTATION DURING CONSTRUCTION. THE CONTRACTOR MAY, AT HIS DISCRETION, IMPLEMENT ADDITIONAL MEASURES IF NECESSARY.
- EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO STUMP REMOVAL AND CONSTRUCTION. STABILIZATION OF ALL REGRADED AND SOIL STOCKPILE AREAS WILL BE INITIATED AND MAINTAINED DURING ALL PHASES OF CONSTRUCTION.
 - ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL MUNICIPAL REGULATIONS. ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION. A STAKED HAYBALE DAM SHALL BE INSTALLED DOWN GRADIENT OF ALL DRAINAGE OUTFALLS.
 - ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER OR AGENTS OF THE OWNER.
 - CATCH BASINS WILL BE PROTECTED WITH HAYBALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABILIZED. FILTER FABRIC SHOULD BE INSTALLED UNDER GRATE OPENING UNTIL PAVEMENT IS IN PLACE AND GROUND SURFACE IS STABILIZED.
 - SEEDING MIXTURE FOR FINISHED GRASSED AREAS WILL BE AS FOLLOWS:
 KENTUCKY BLUE GRASS 45%
 CREEPING RED FESCUE 45%
 PERENNIAL RYEGRASS 10%
 SEED TO BE APPLIED AT A RATE OF 4 LBS/1000 SQ. FT.
 FERTILIZER SHALL BE APPLIED AT A RATE OF 2 LBS/1000 SQ. FT.
 PLANTING SEASONS SHALL BE APRIL 1 TO JUNE 1 AND AUGUST 1 TO OCTOBER 1. AFTER OCTOBER 1, AREAS WILL BE STABILIZED WITH HAYBALE CHECK, FILTER FABRIC, OR WOODCHIP MULCH, AS REQUIRED, TO CONTROL EROSION.
 - AREAS TO BE LEFT BARE BEFORE FINISHED GRADING AND SEEDING IS ACHIEVED, SHALL RECEIVE A TEMPORARY SEEDING OF PERENNIAL RYEGRASS APPLIED TO A RATE OF 2 LBS/1,000 SQ. FT. AT A DEPTH OF 1/2 INCH. LIMESTONE (EQUIVALENT TO BE 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) SHALL BE APPLIED AS SEEDBED PREPARATION AT A RATE OF 90 LBS/1,000 SQ. FT. PLANTING SEASONS SHALL BE APRIL 1 TO JUNE 1 AND AUGUST 1 TO OCTOBER 1, WHERE GRASS PREDOMINATES, FERTILIZE ACCORDING TO A SOIL TEST AT A MINIMUM APPLICATION RATE OF 1 LB. OF NITROGEN PER 1,000 SQ. FT. AREAS TO BE LEFT BARE BEFORE FINISH GRADING AND SEEDING OUTSIDE OF PLANTING SEASONS SHALL RECEIVE AN AIR-DRIED WOOD CHIP MULCH, FREE OF COARSE MATTER, TREATED WITH 1-2, LBS. NITROGEN PER TON, APPLIED AT A RATE OF 185-275 LBS/1,000 SQ. FT.
 - AT ALL PROPOSED FILL AREAS WHICH ARE NOT CURRENTLY SHOWN ON THESE PLANS, THE CONTRACTOR SHALL ESTABLISH AN EROSION CONTROL LINE (HAYBALE CHECK OR FILTER FABRIC) ABOUT TEN (10) FEET FROM TOE TO SLOPE OF PROPOSED FILL AREAS PRIOR TO BEGINNING FILL INSTALLATION. STABILIZATION OF SLOPES IN FILL AREAS (USING MULCH OR GRASS) SHALL BE INITIATED WITHIN THIRTY (30) DAYS OF COMMENCEMENT OF FILL INSTALLATION.
 - STABILIZATION OF SLOPES IN CUT AREAS (USING MULCH OR GRASS) AND THE INSTALLATION OF CONTROL LINE (HAYBALE CHECK OR FILTER FABRIC) AT THE TOE OF SLOPE SHALL BE INITIATED WITHIN THIRTY (30) FEET.
 - SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN. ALL HAYBALES OR SILT FENCE RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS SHALL BE REPAIRED OR REPLACED.
 - CONTRACTOR WILL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PROPER TOWN AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
 - THE CONTRACTOR SHALL SECURE THE SERVICES OF A PROFESSIONAL ENGINEER, WHO SHALL VERIFY IN THE FIELD THAT THE CONTROLS REQUIRED BY THIS PLAN ARE PROPERLY INSTALLED, SHALL MAKE INSPECTION OF SUCH FACILITIES NOT LESS FREQUENTLY THAN EVERY 14 DAYS OR AFTER A RAINFALL IN EXCESS OF 1/4 INCH, WHICHEVER OCCURS FIRST.
 - STOCKPILES OF SOIL SHALL BE SURROUNDED BY A SEDIMENT BARRIER. SOIL STOCKPILES TO BE LEFT BARE FOR MORE THAN THIRTY (30) DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR MULCH. IF SOIL STOCKPILES ARE TO REMAIN FOR MORE THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED IN PLACE OF HAYBALES. SIDE SLOPES SHALL NOT EXCEED 2:1.
 - THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUT THE LIFE OF HIS CONTRACT. DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO SPRINKLING OF WATER ON EXPOSED SOILS AND HAUL ROADS AS NEEDED. CONTRACTOR SHALL CONTROL DUST TO PREVENT A HAZARD TO TRAFFIC.
 - IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN THIRTY (30) DAYS AFTER LAND DISTURBANCES CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS.
 - HAYBALES SHALL BE USED ONLY AS A TEMPORARY MEASURE. WHERE CONTROL MEASURES WILL BE REQUIRED FOR LONGER THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED.
 - WHERE DEWATERING IS NECESSARY, THERE SHALL NOT BE A DISCHARGE DIRECTLY INTO WETLANDS OR WATERCOURSES. PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT PERMITTED BY LAW, SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION BOWL, PROVIDING SURGE PROTECTION AT THE INLET AND THE OUTLET OF PUMPS, OR FLOATING THE INTAKE OF THE PUMP, OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOLIDS. IF A PUMPING OPERATION IS CAUSING TURBIDITY PROBLEMS, SAID OPERATION SHALL CEASE UNTIL SUCH TIME AS FEASIBLE MEANS OF CONTROLLING TURBIDITY ARE DETERMINED AND IMPLEMENTED. SAID DISCHARGE POINTS SHALL BE LOCATED OVER 100 FEET FROM THE DELINEATED WETLANDS AS INDICATED ON THIS PLAN.
 - THE CONTRACTOR SHALL OBTAIN AN NPDES PERMIT PRIOR TO THE START OF CONSTRUCTION.

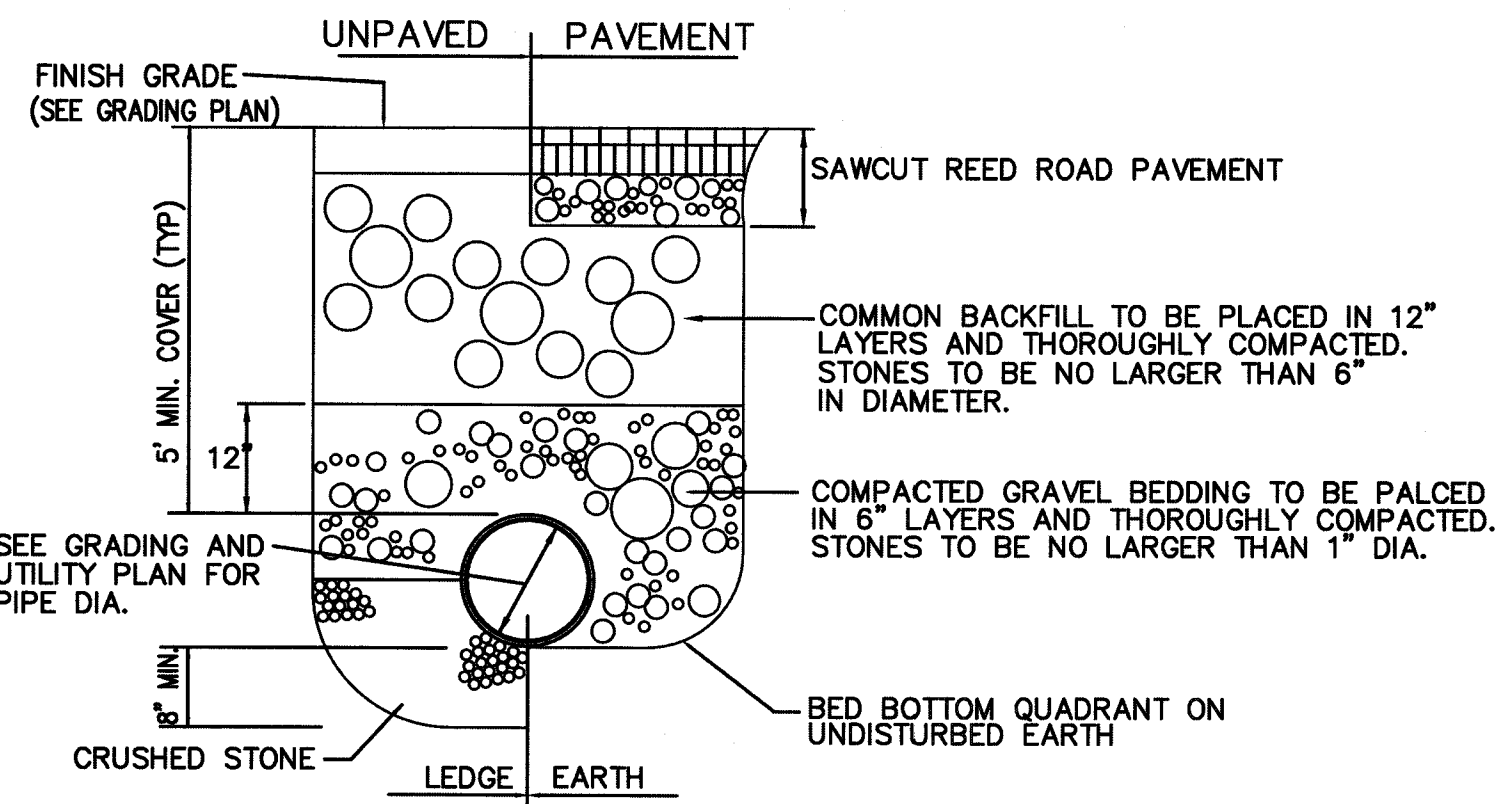


DRAWING TITLE		EROSION CONTROL PLAN		SCALE: 1" = 20'	
PROJECT		MAP 31- LOT 117C FAIRHAVEN, MASSACHUSETTS		DATE: SEPT. 9, 2019	
CLIENT		DANA LEWIS FAIRHAVEN, MASSACHUSETTS		DRAWN BY: SWL	
DESIGNED BY: RJR		CHECKED BY: RJR		DESIGNED BY: RJR	
APPROVED BY: RJR		PROJECT NO. 2729-01-01		SHEET NO. 4 OF 7	
CIVIL ENGINEERING LAND SURVEYING ENVIRONMENTAL ASSESSMENT		P.O. BOX 1088 350 BEDFORD ST. LAKEVILLE, MA 02347 TEL: 508.947.0050 FAX: 508.947.2004		REGISTERED PROFESSIONAL ENGINEER STATE OF MASSACHUSETTS REG. NO. 20375 EXPIRES 12/31/2024	



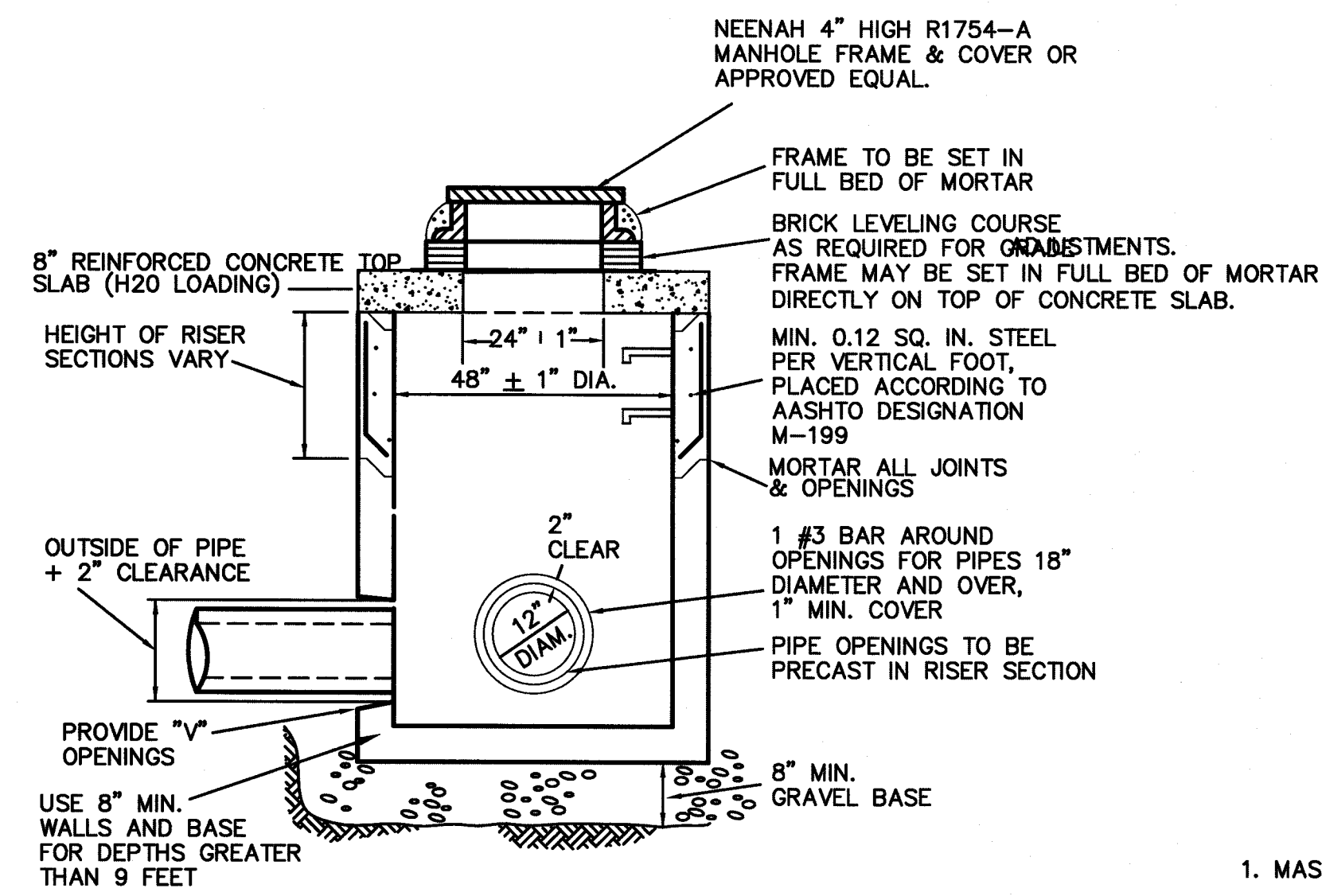
NOTE: ALL DRAINAGE PIPING DIAMETERS SPECIFIED ON GRADING AND UTILITIES PLAN DRAINAGE PIPING SHALL BE HDPE ASTM D 3350 OR APPROVED EQUAL

DRAINAGE PIPE TRENCH DETAIL
NOT TO SCALE

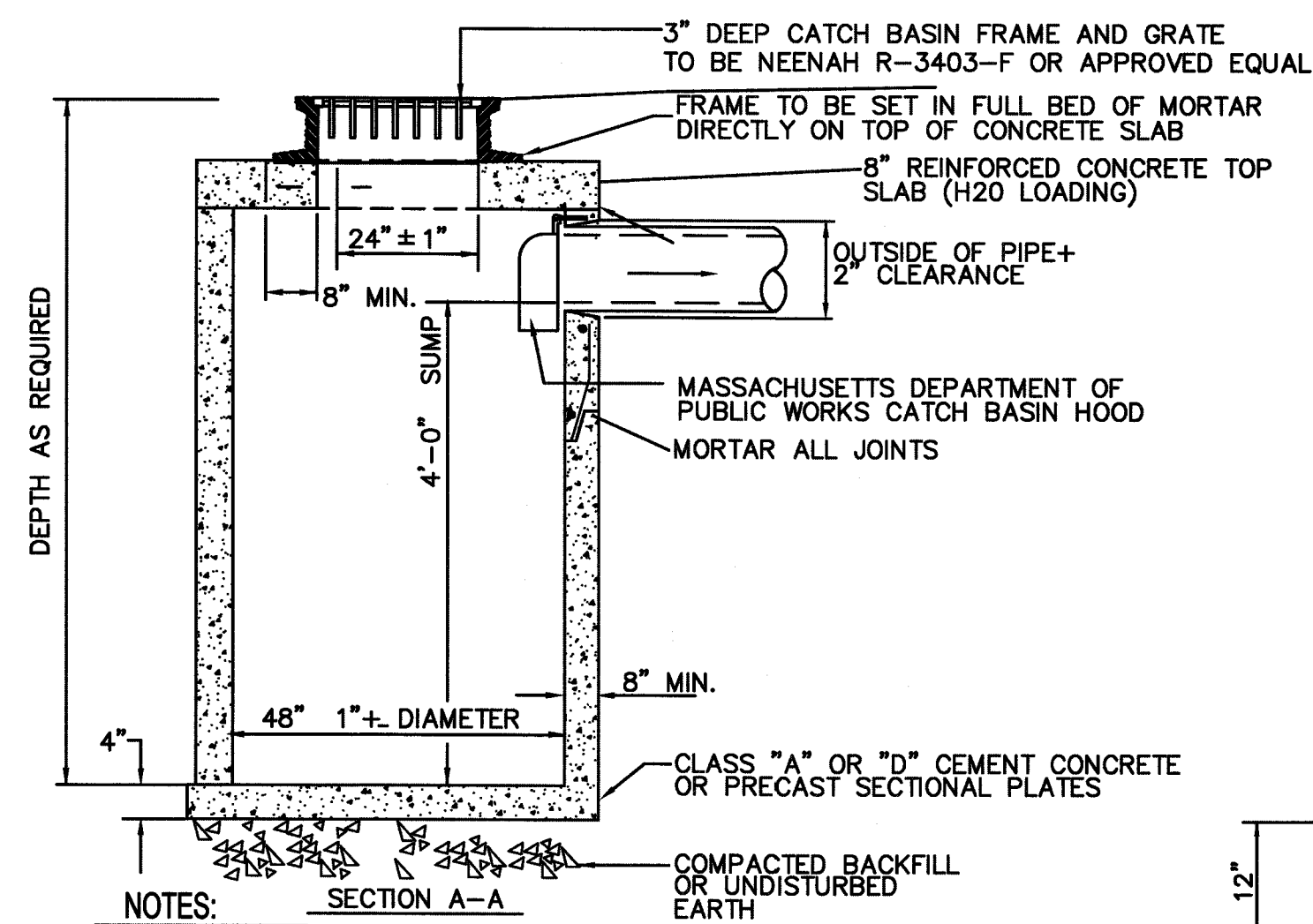


NOTE: WATER MAIN SHALL BE CDI CLASS 52. GATE VALVES SHALL BE (OPEN RIGHT) U.S. PIPE A-USPO-23, MUELLER A2360-23 RESILIENT SEATED OR AMERICAN FLOW CONTROL SERIES 2500

WATER MAIN TRENCH DETAIL
NOT TO SCALE

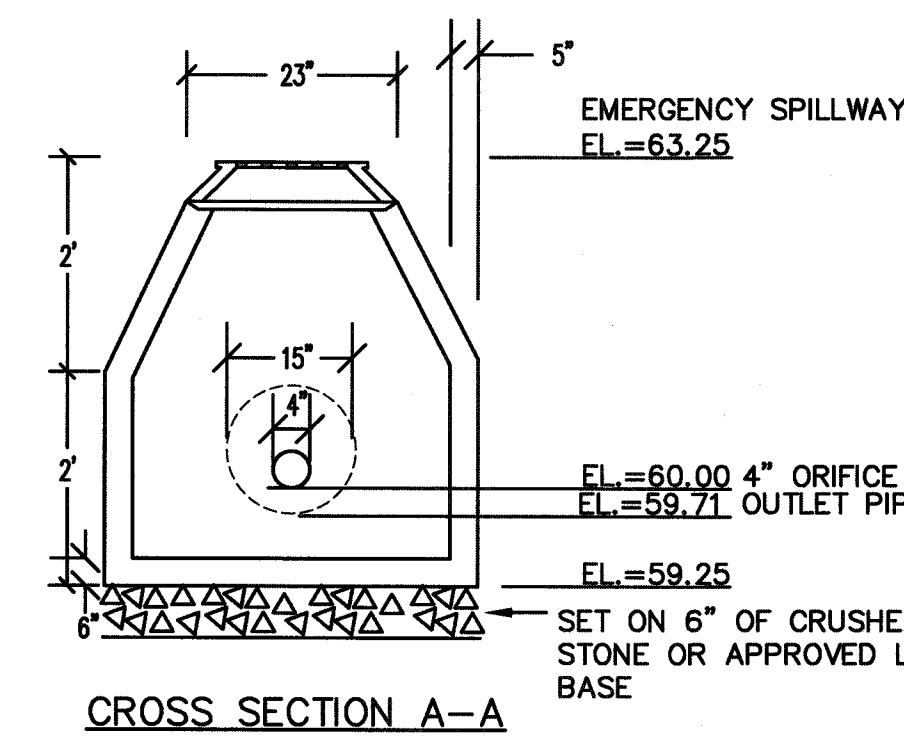
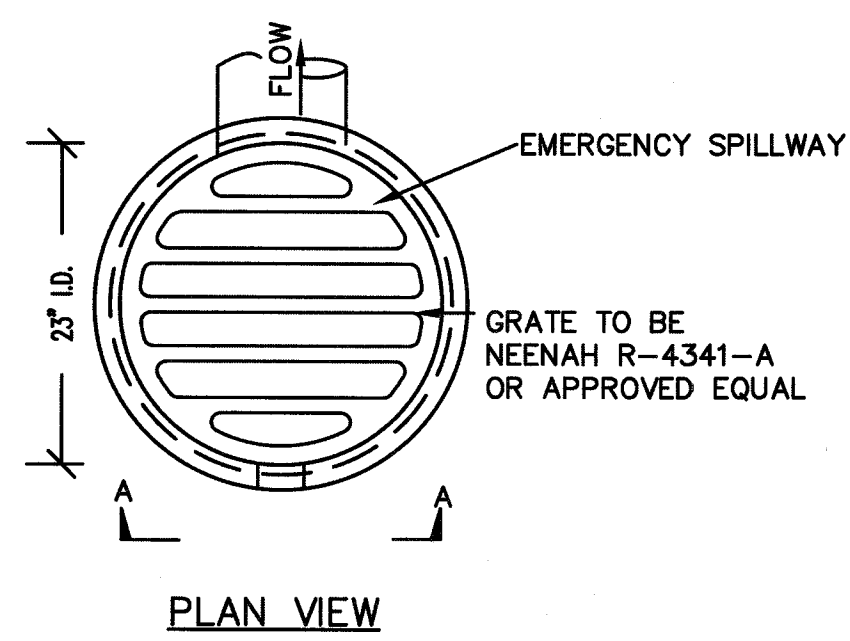


PRECAST CONCRETE FLAT TOP DRAIN MANHOLE
NOT TO SCALE

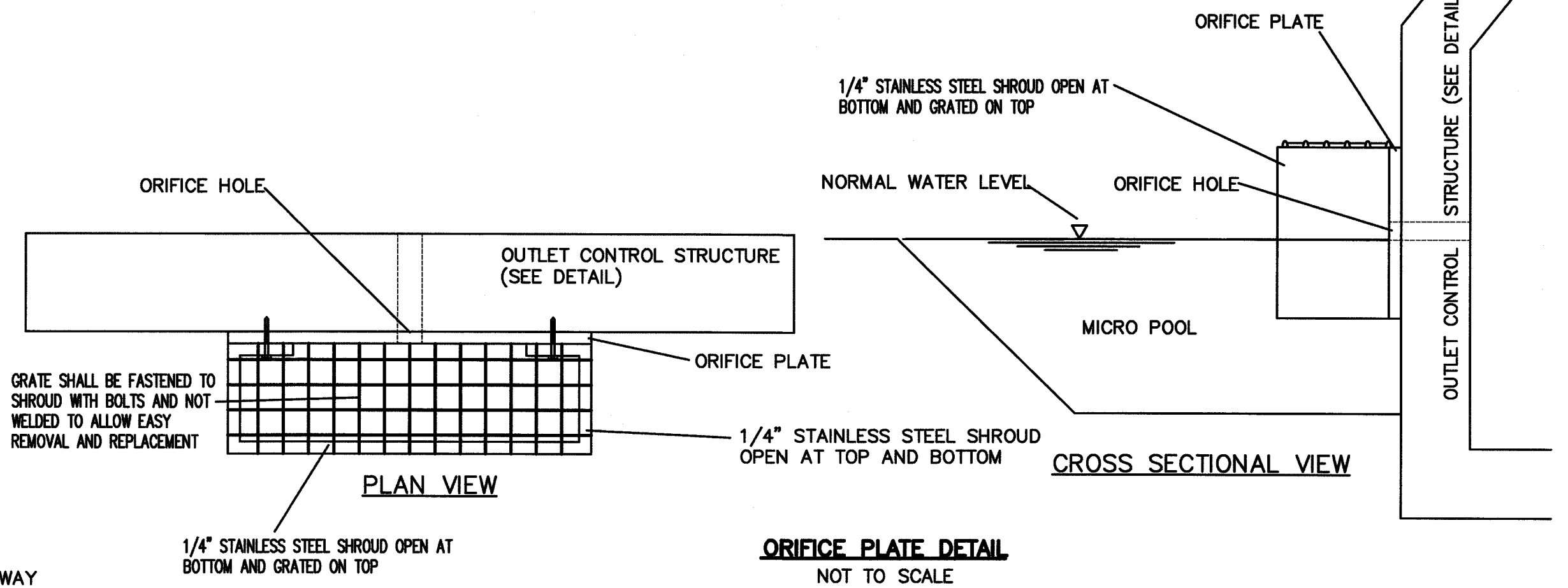


NOTES:
1. MASSACHUSETTS STANDARD CATCH BASIN HOOD SHALL BE INSTALLED ON OUTLET PIPE.

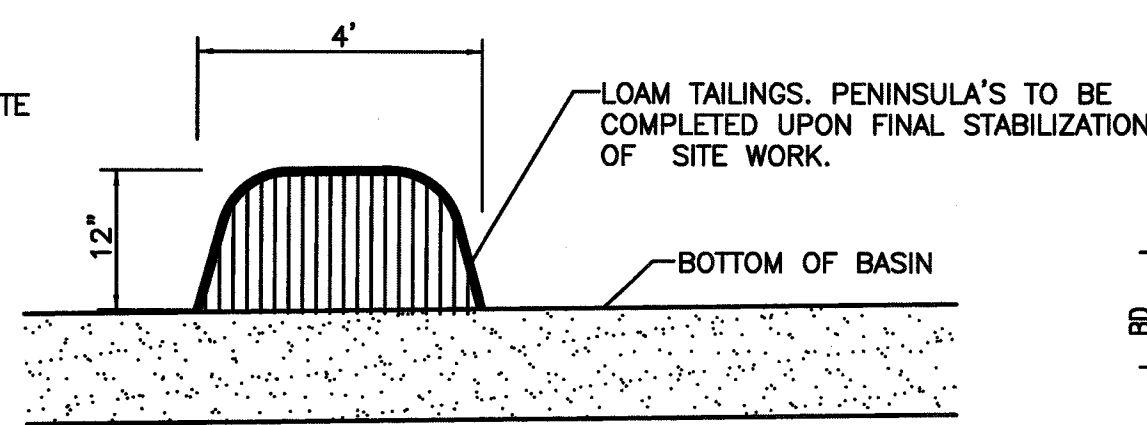
TYPICAL FLAT TOP CATCH BASIN
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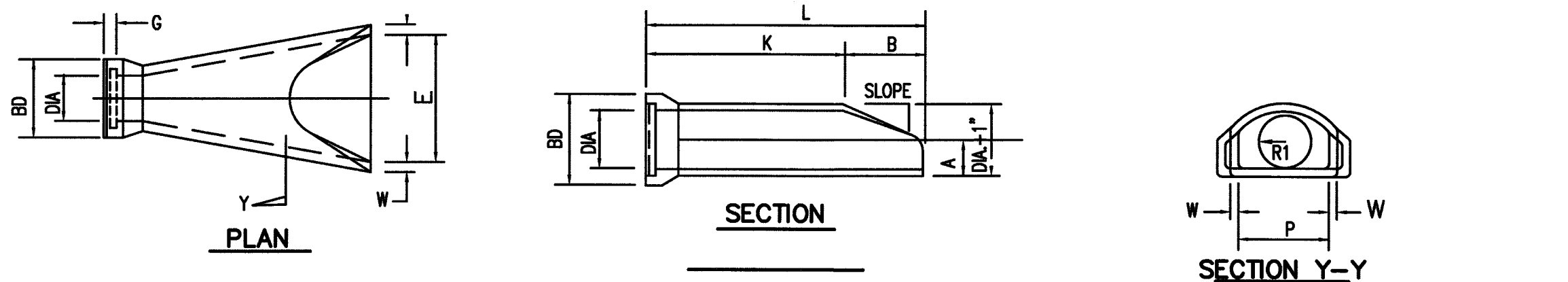
EMERGENCY SPILLWAY DETAIL
NOT TO SCALE



ORIFICE PLATE DETAIL
NOT TO SCALE

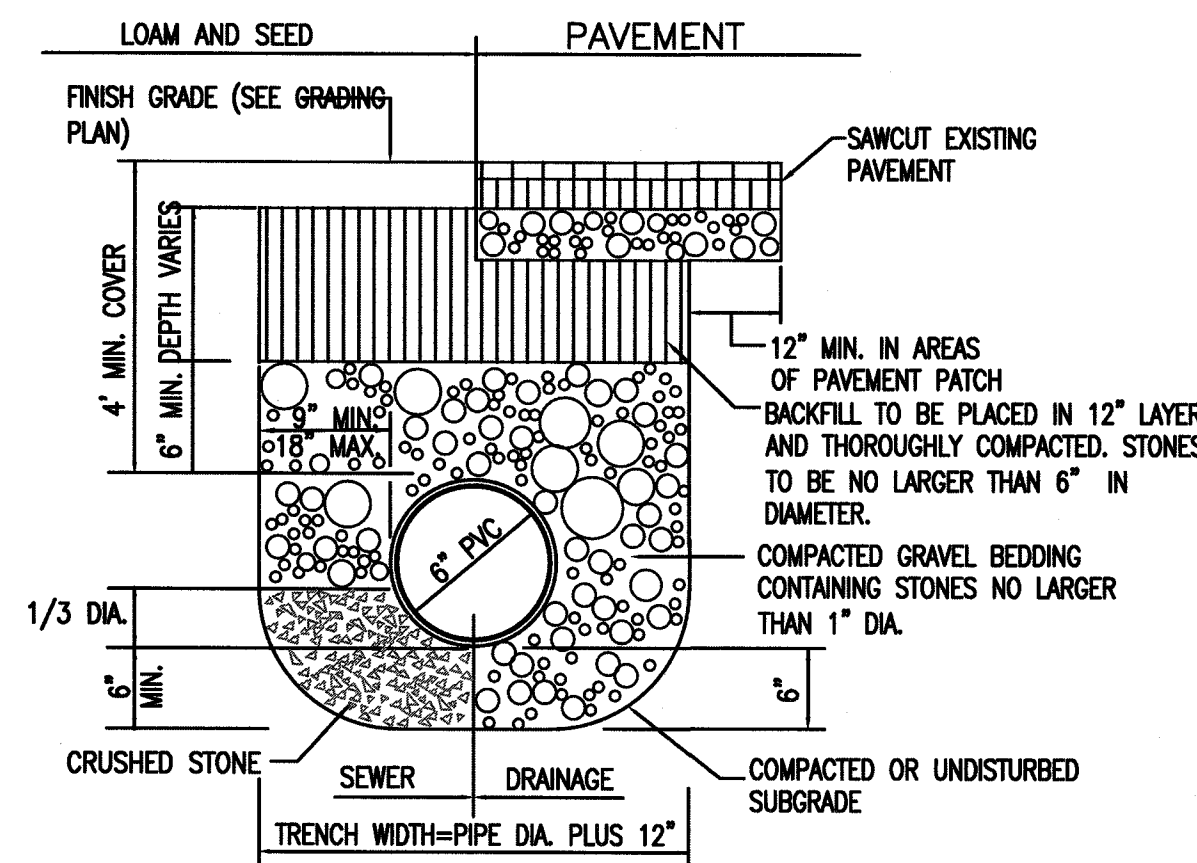


EARTHEN PENINSULA
TO BE INSTALLED AT BASE OF DETENTION BASINS
NOT TO SCALE

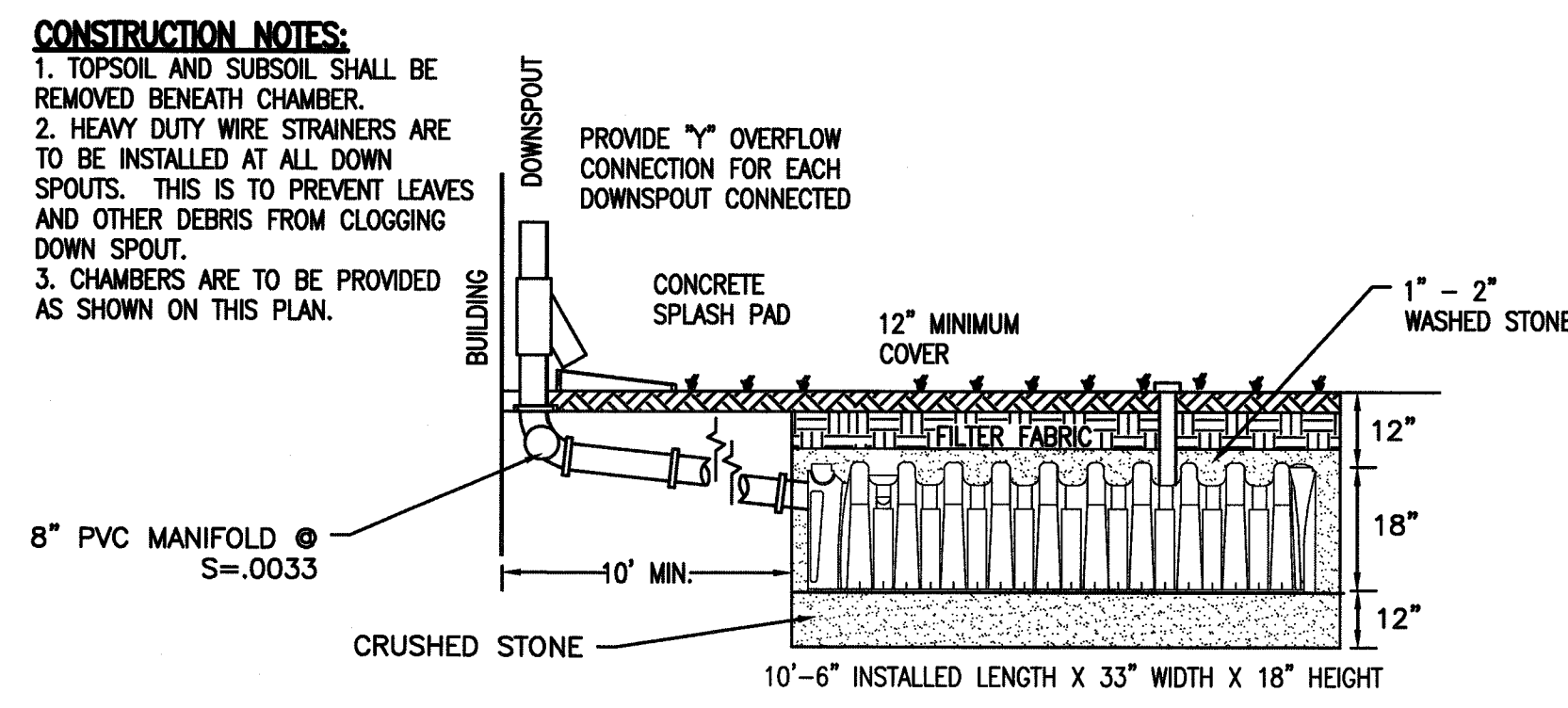


DIA.	W	A	B	C	D	E	BD	K	L	P	DIA +1	R1	R2	S	G	SLOPE
15"	2"	4"	2'-0"	4'-07/8"	6'-1 3/4"	2'-0"	23"	4'-6 1/8"	6'-6 1/8"	19 13/16"	16"	10 1/2"	9"	4"	2 1/2"	3:1

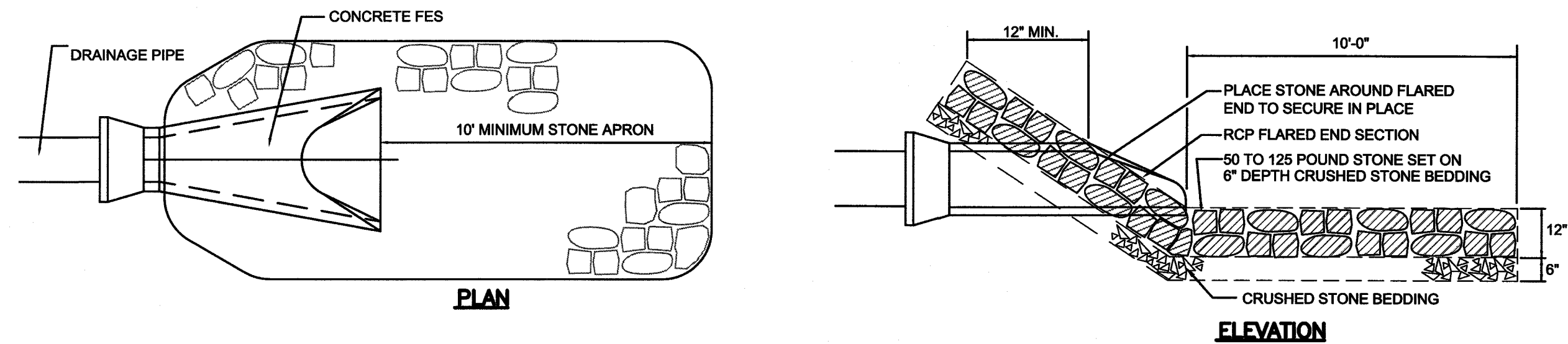
CONCRETE FLARED END SECTION
NOT TO SCALE



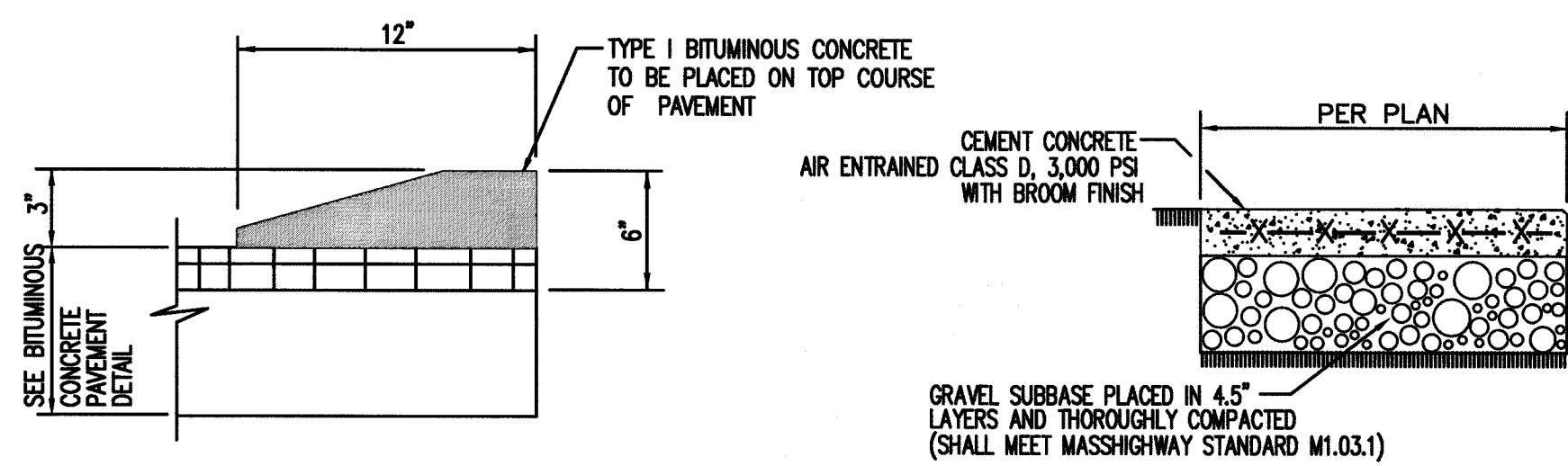
SEWER PIPE TRENCH DETAIL
NOT TO SCALE



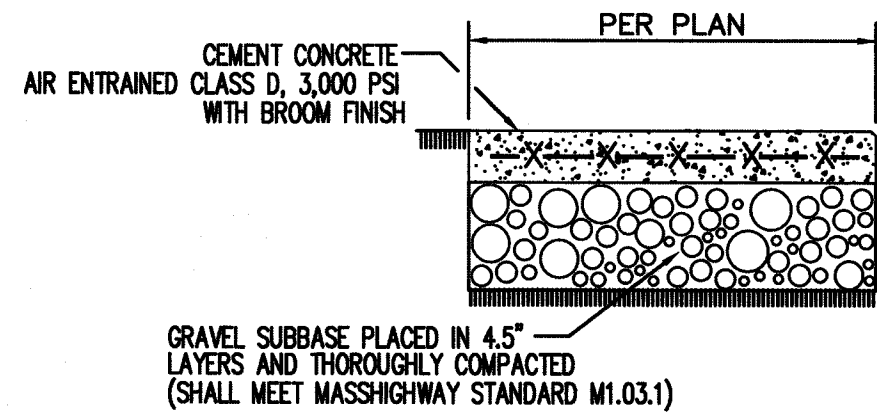
CULTEC 150XLHD STORMWATER INFILTRATOR
NOT TO SCALE



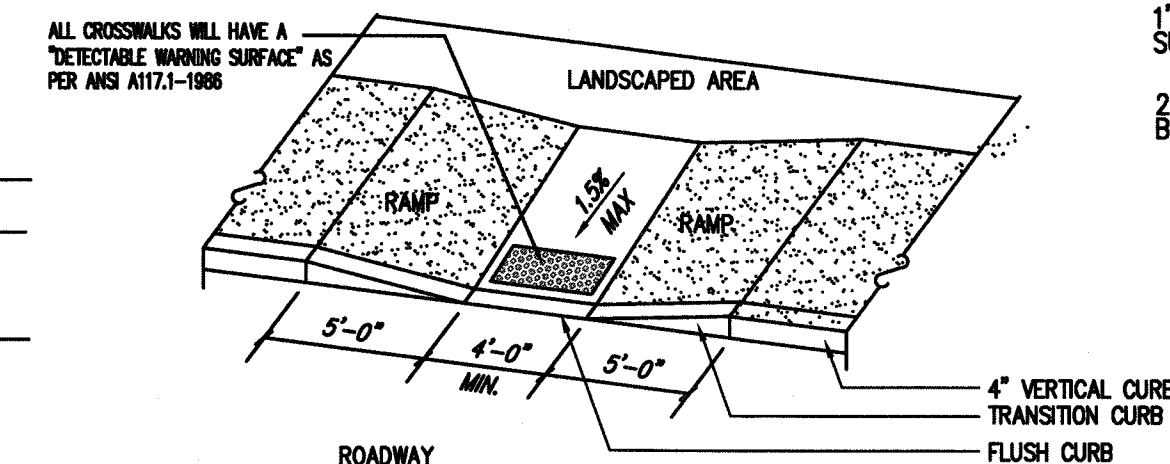
STONE APRON AT PIPE END
NOT TO SCALE



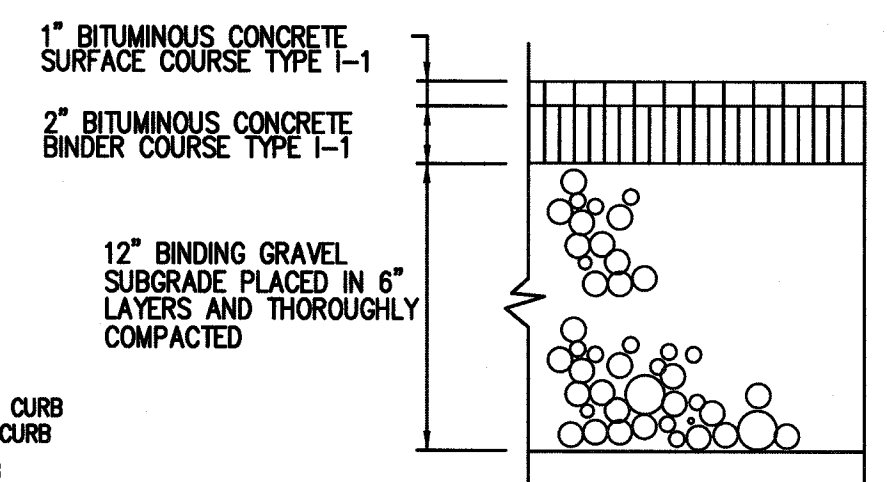
CAPE COD BERM DETAIL
NOT TO SCALE



CONCRETE WALK
NOT TO SCALE



HANDICAP RAMP
NOT TO SCALE

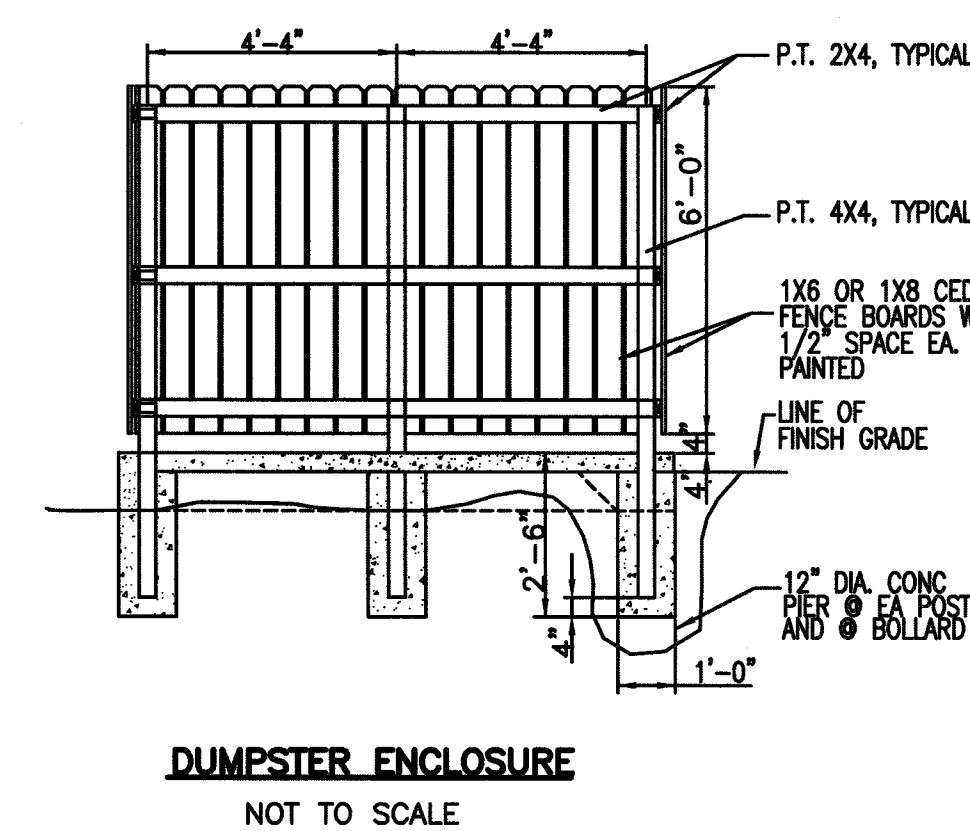
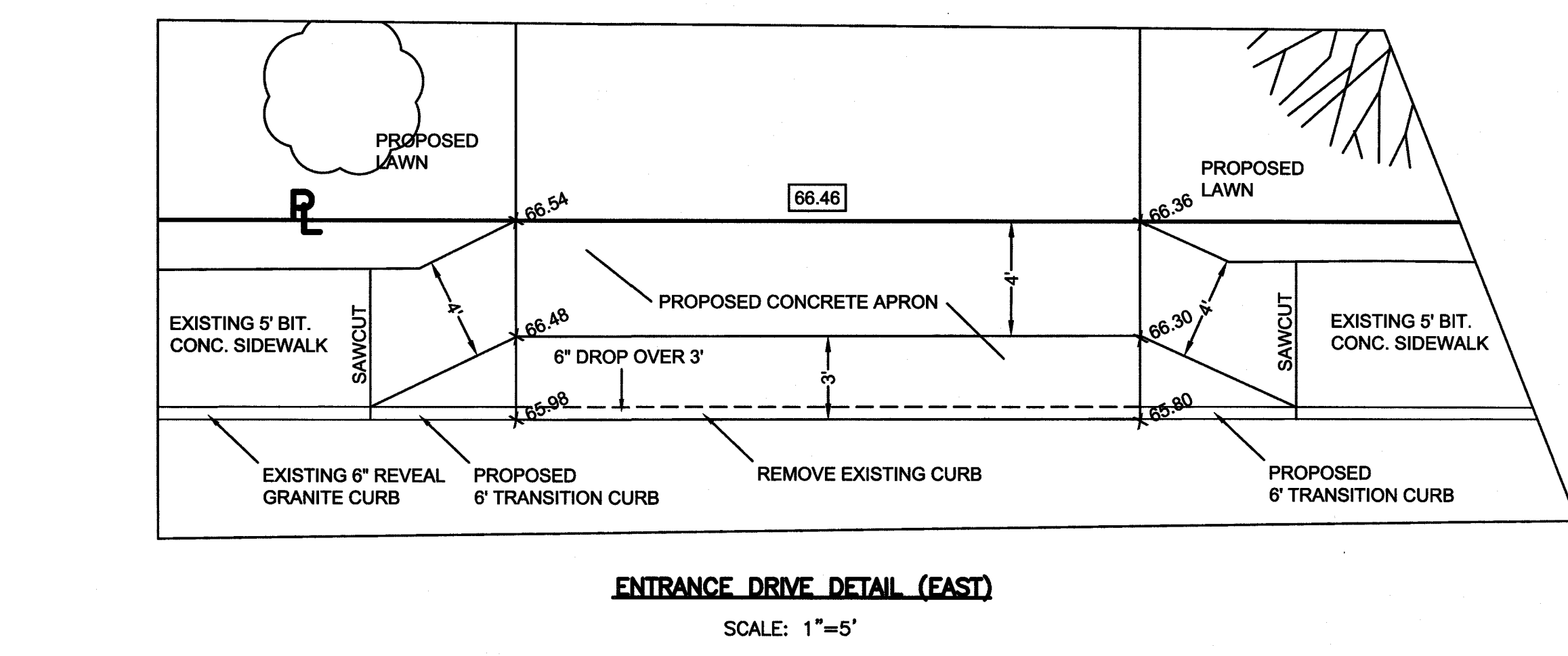
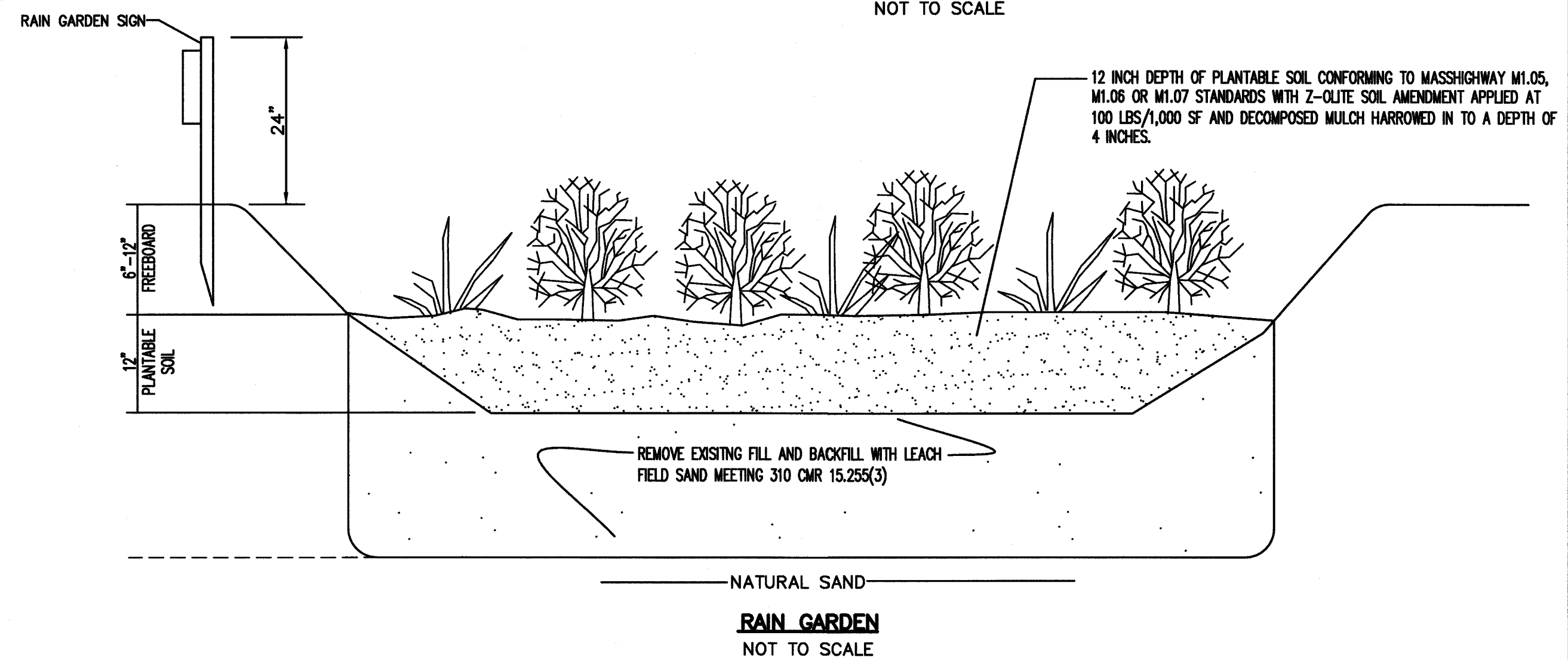
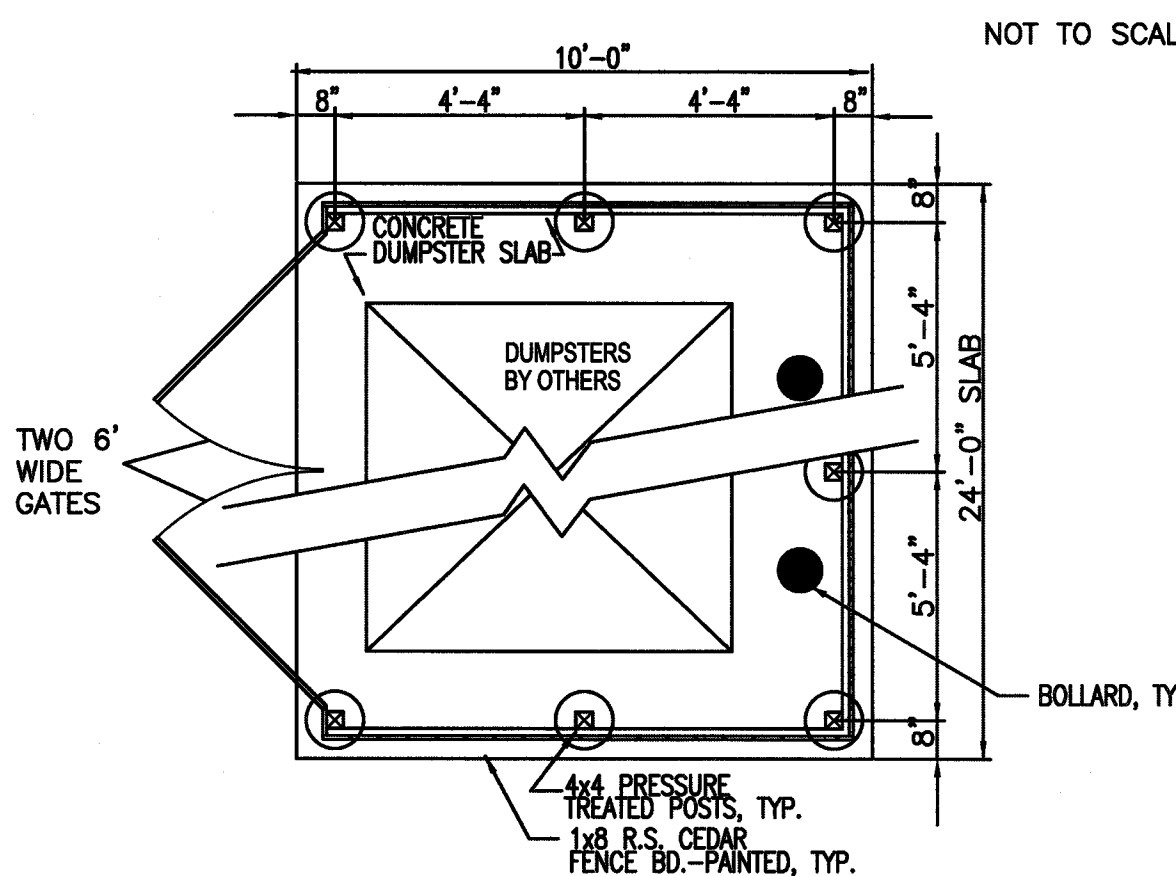
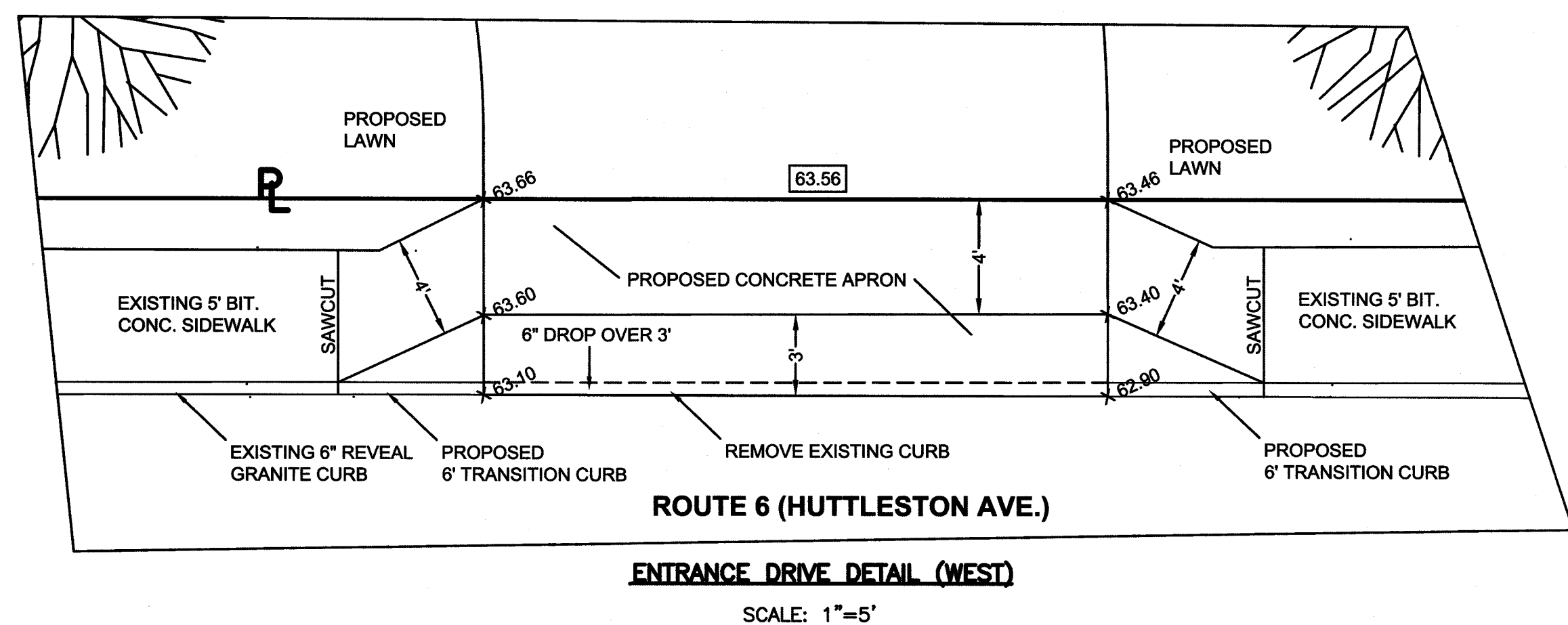
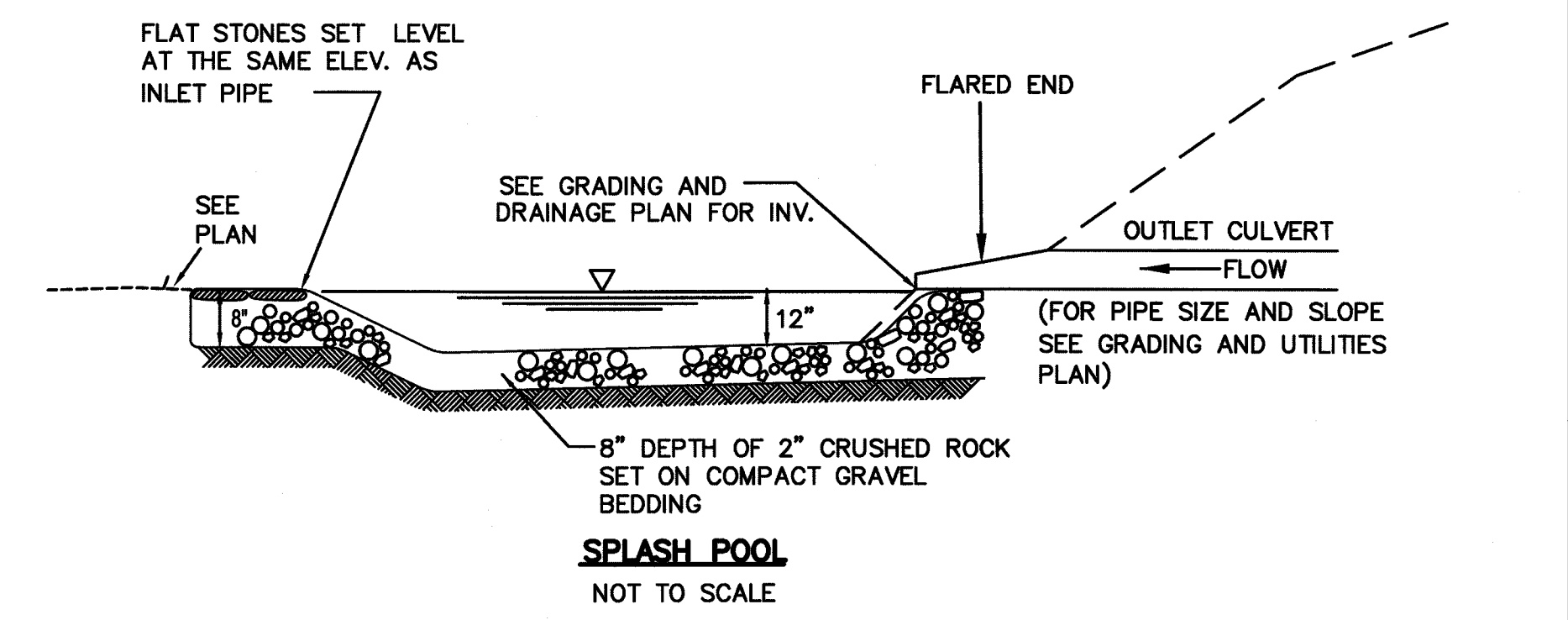
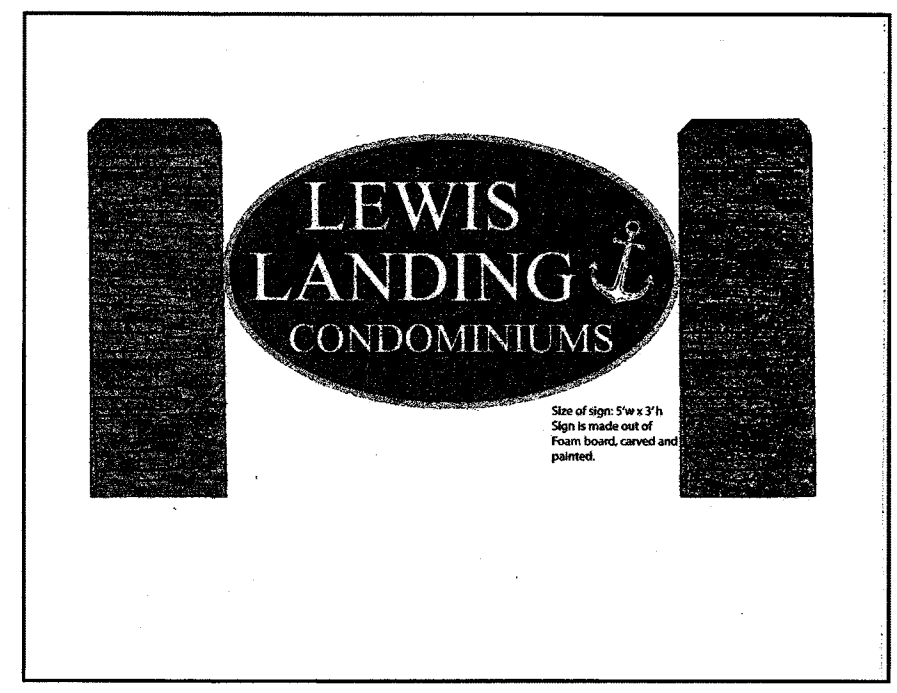
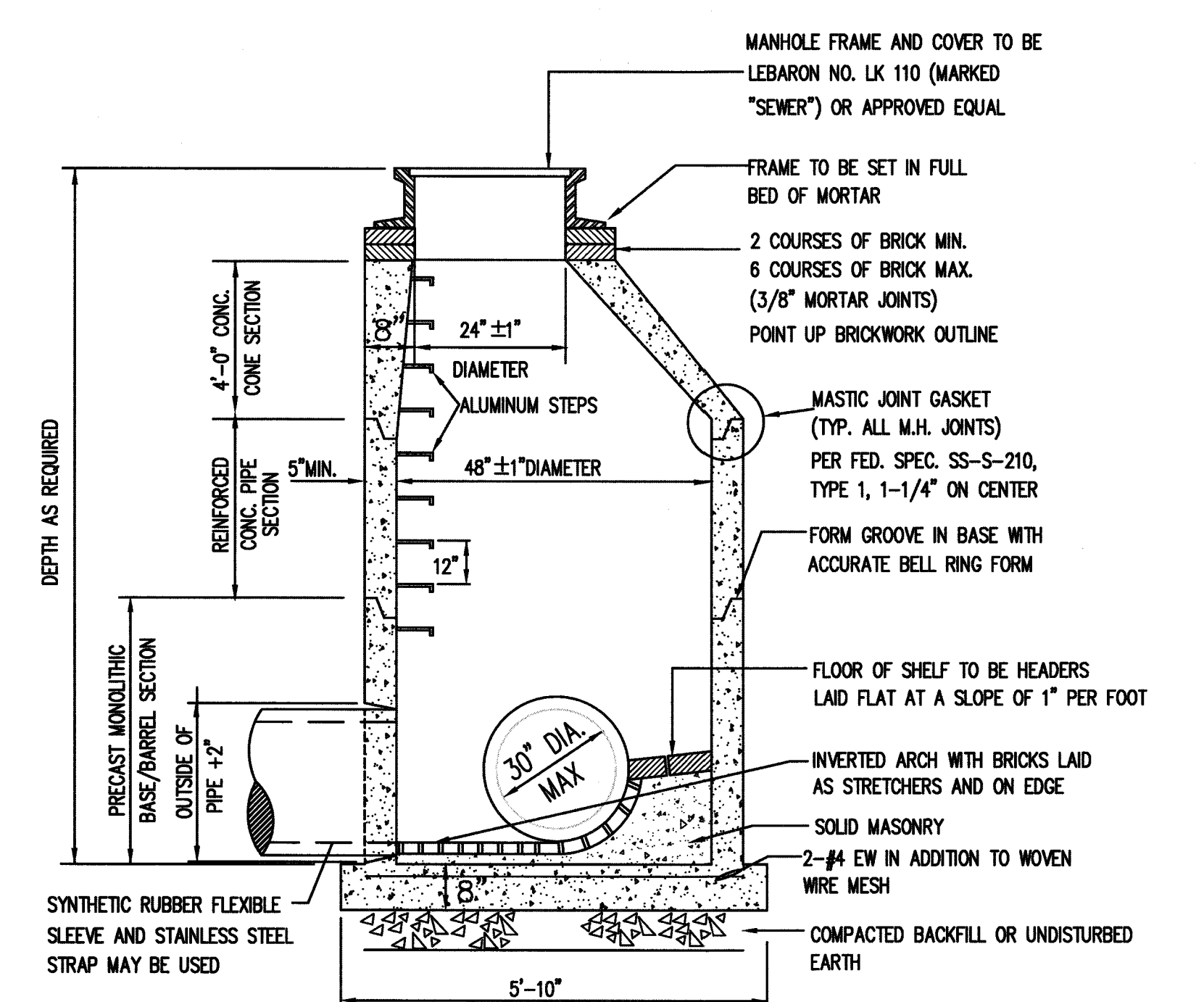
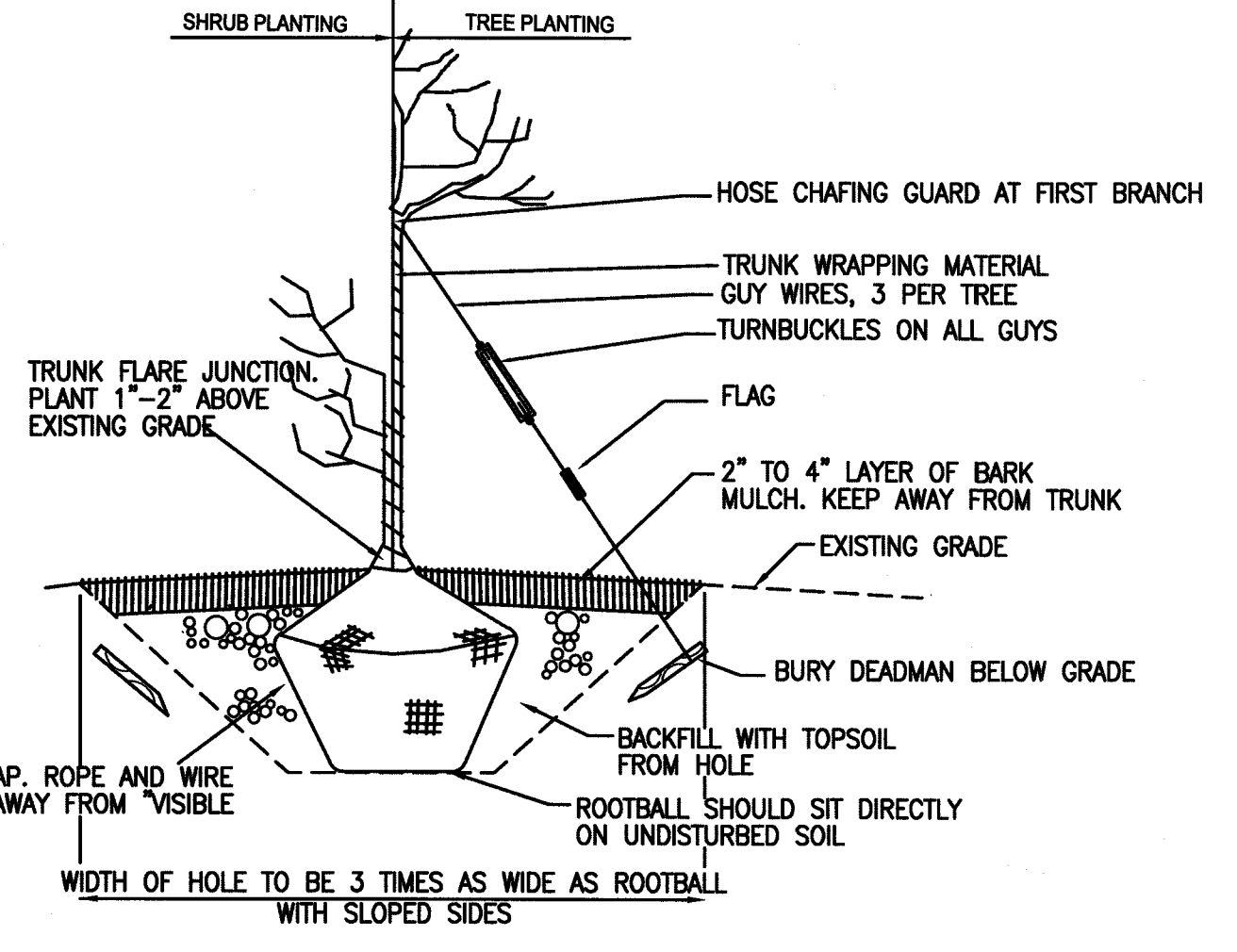
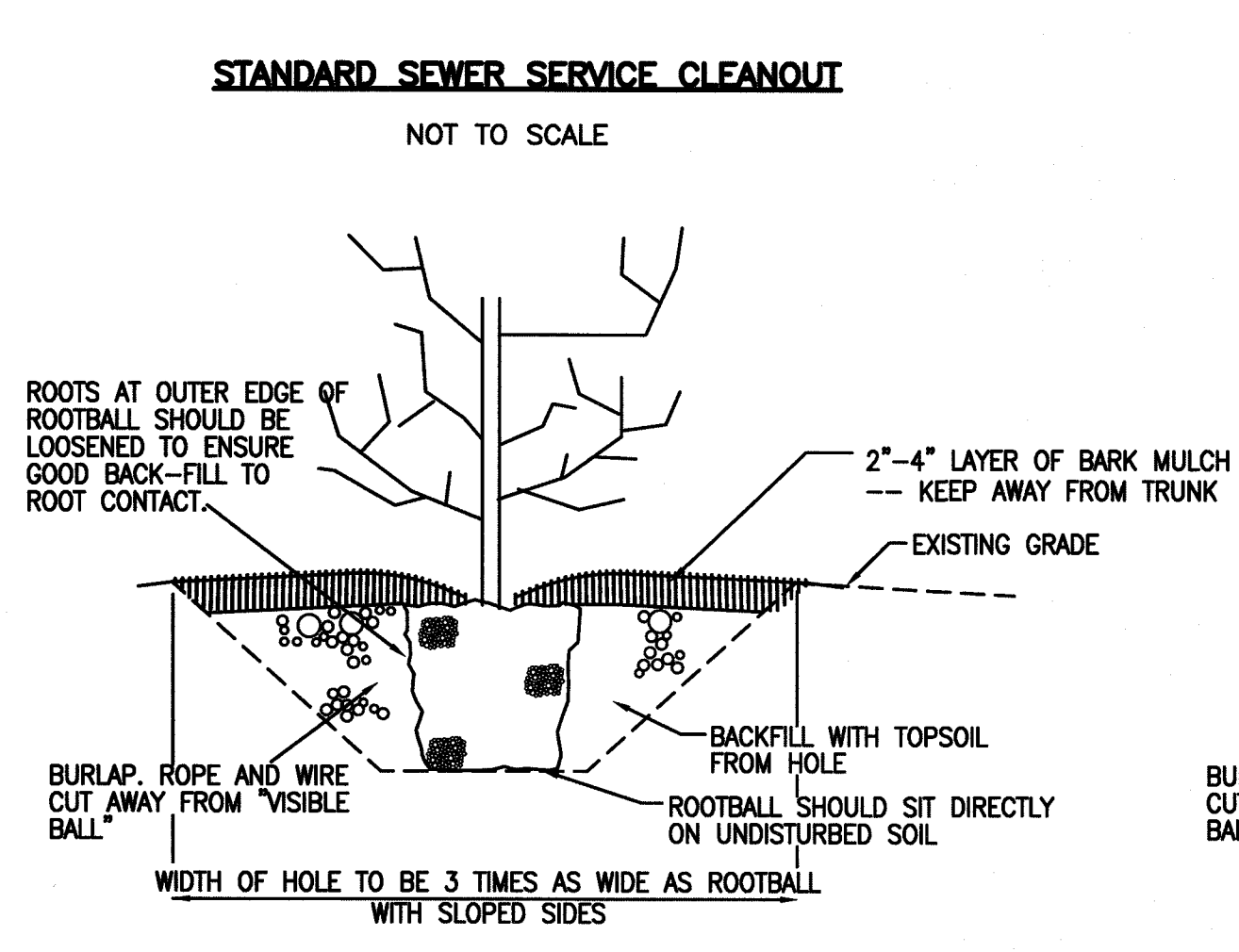
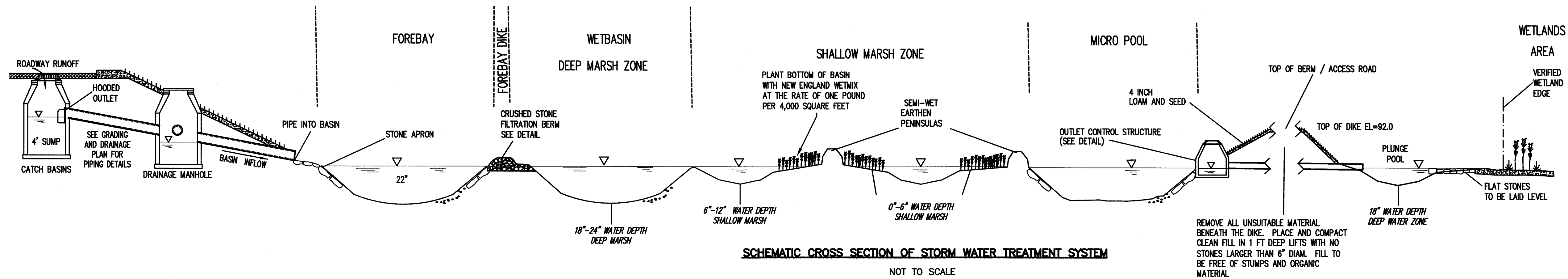
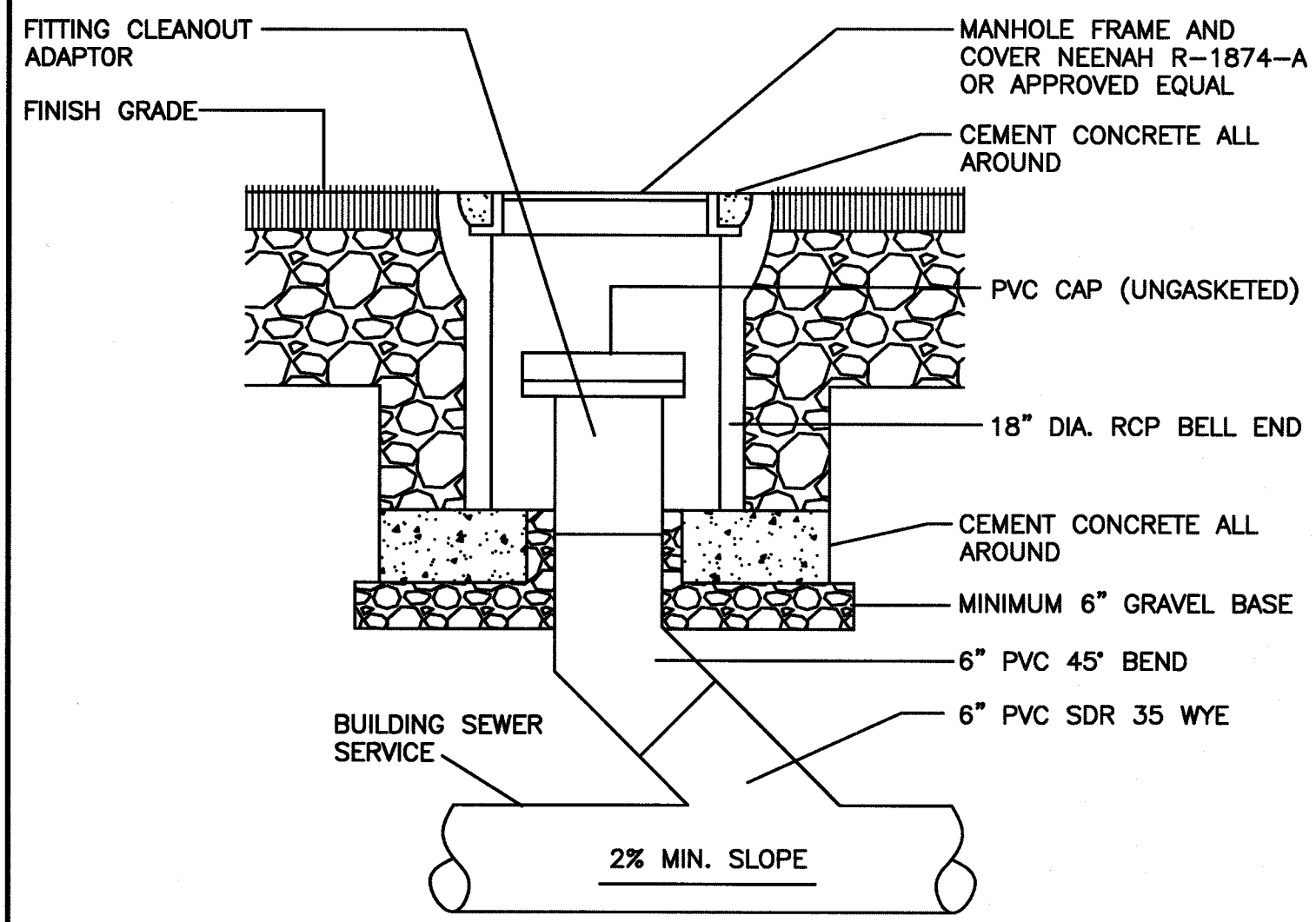


BITUMINOUS CONCRETE PAVEMENT
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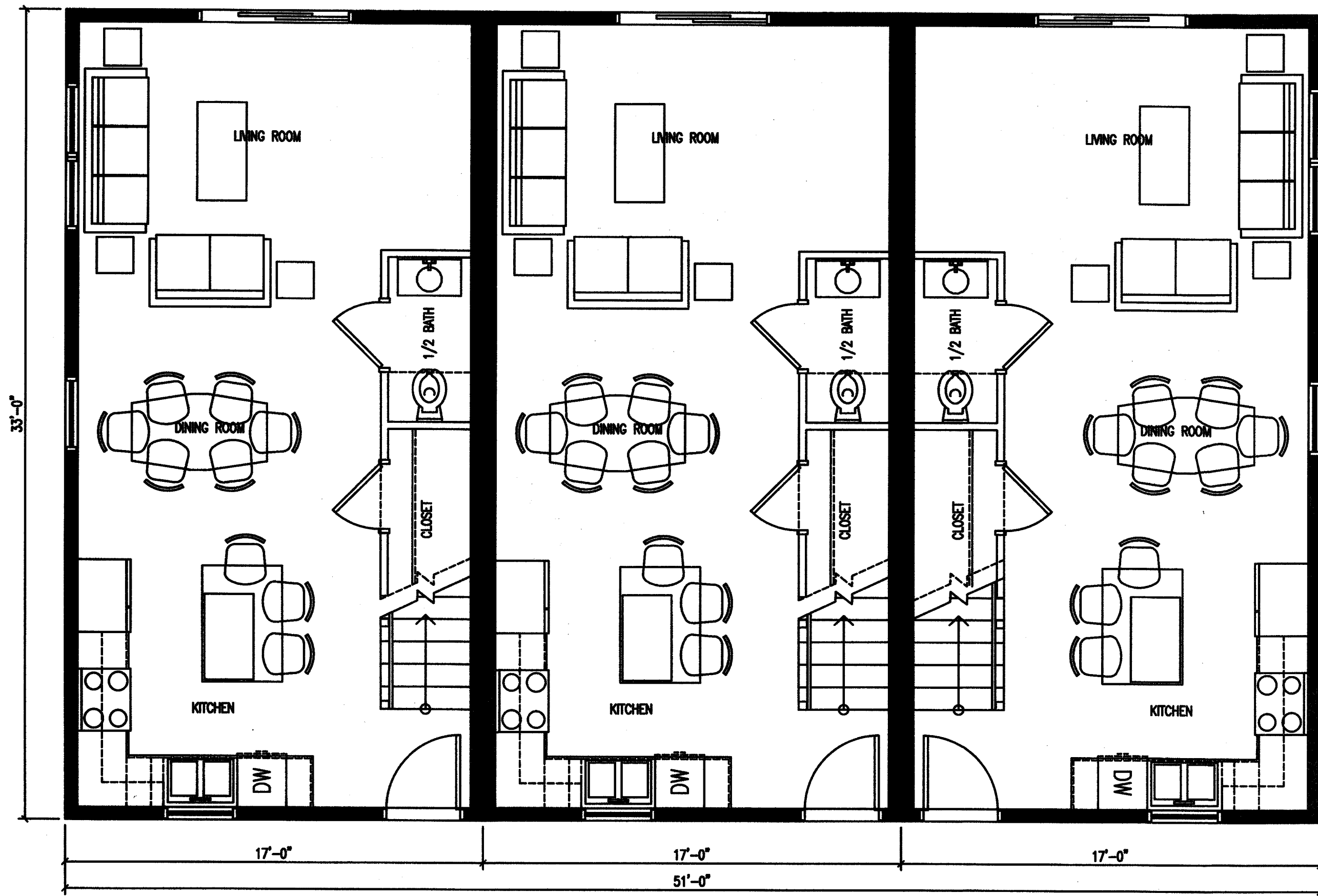
DRAWING TITLE		DETAIL SHEET		SCALE:	1" = 20'
PROJECT		MAP 31- LOT 117C FAIRHAVEN, MASSACHUSETTS		DATE:	SEPT. 9, 2019
CLIENT		DANA LEWIS FAIRHAVEN, MASSACHUSETTS		DRAWN BY:	SWL
REV.		DESCRIPTION		BY	APP.
DESIGNED BY:		RJR		CHECKED BY:	RJR
APPROVED BY:		RJR		PROJECT NO.:	2729-01-01

PRIME ENGINEERING
P.O. BOX 1088
390 BEDFORD ST.
LAKEVILLE, MA 02347
TEL: 508.947.0050
FAX: 508.947.2004

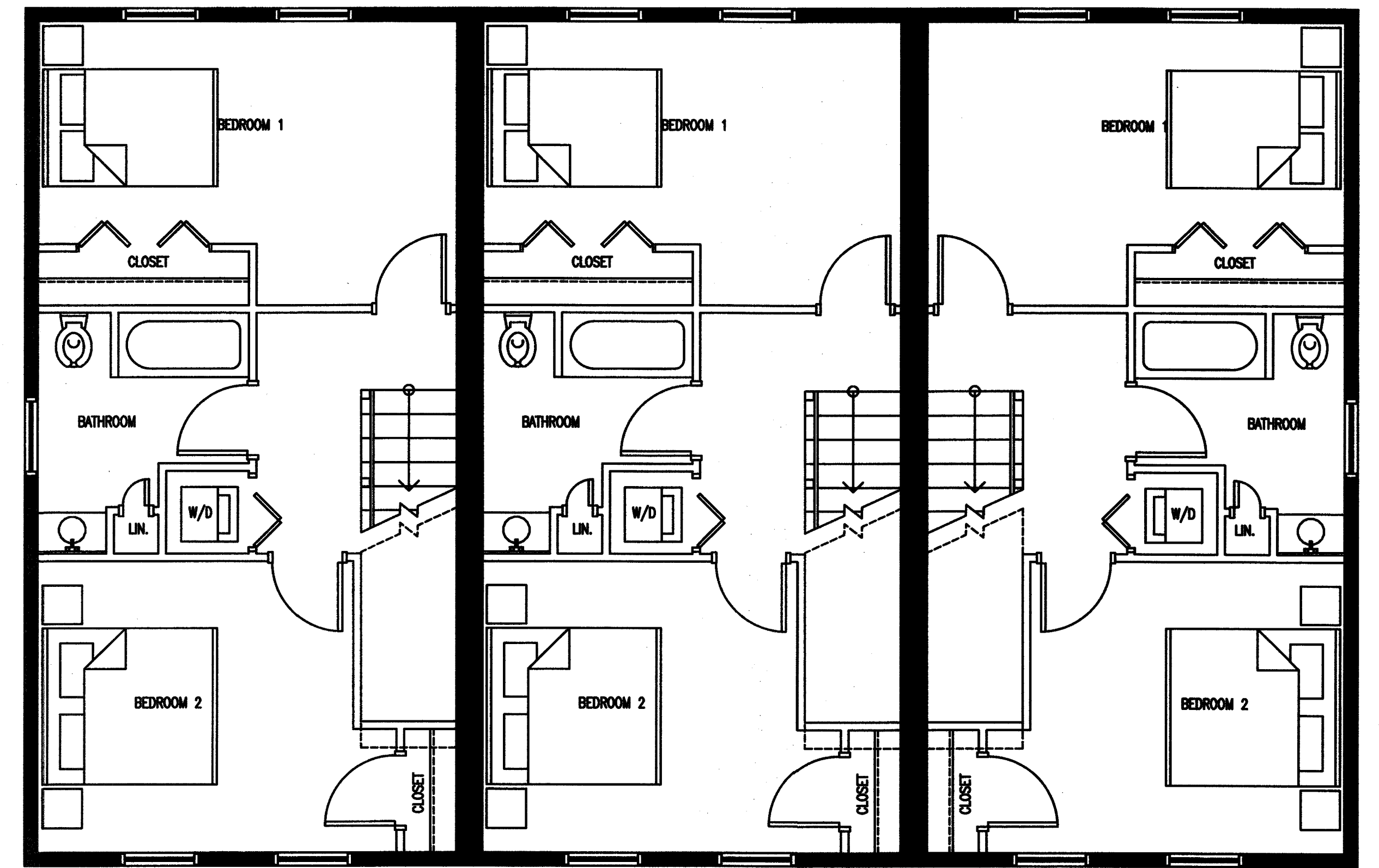
ENCLOSURE
5 OF 7



DRAWING TITLE		DETAIL SHEET		SCALE: 1"=20'	
PROJECT		MAP 31- LOT 117C FAIRHAVEN, MASSACHUSETTS		DATE: SEPT. 9, 2019	
CLIENT		DANA LEWIS FAIRHAVEN, MASSACHUSETTS		DRAWN BY: SWL	
DESIGNED BY: RJR		CHECKED BY: RJR		DESIGNED BY: RJR	
APPROVED BY: RJR		P.O. BOX 1088 390 BEDFORD ST. LAKEVILLE, MA 02347 TEL: 508.947.0050 FAX: 508.947.2004		SHEET NO. 6 OF 7	
PROJECT NO. 2729-01-01		PRIME ENGINEERING		PROJECT NO. 2729-01-01	



1 PROPOSED FIRST FLOOR PLAN
A-1.1 1/4"=1'-0"



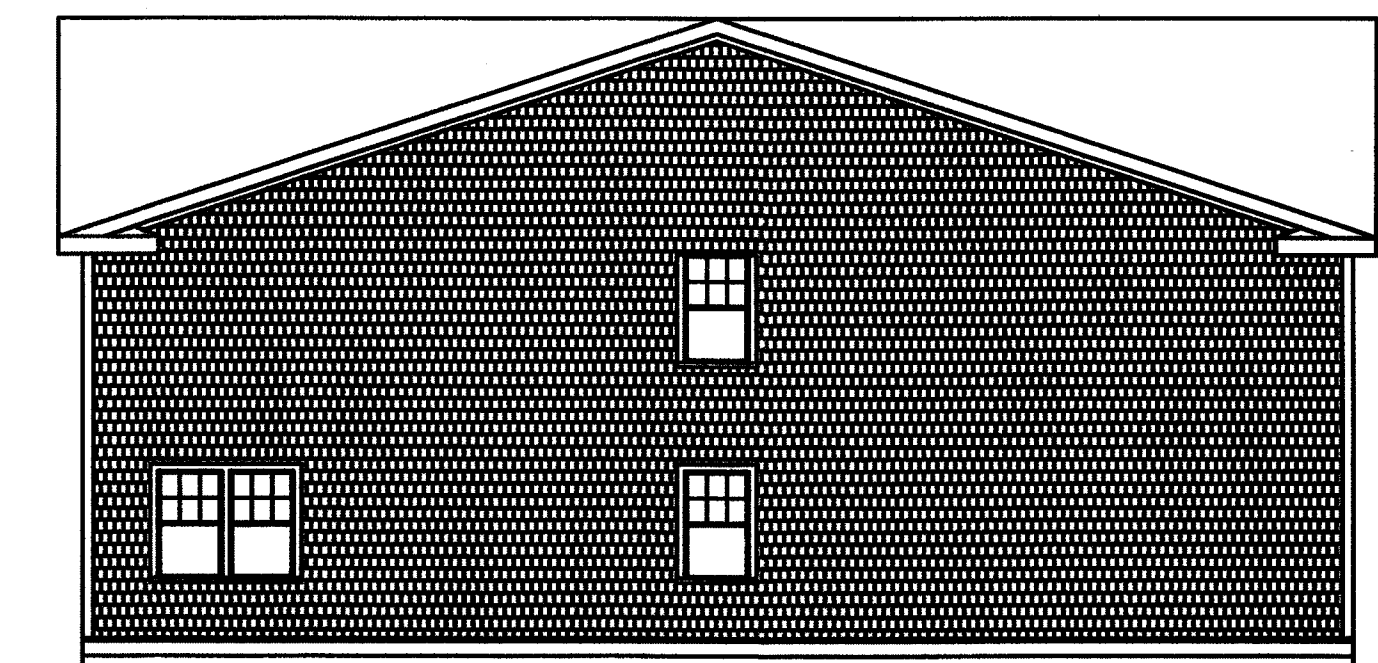
1 PROPOSED SECOND FLOOR PLAN
A-1.2 1/4"=1'-0"



1 PROPOSED FRONT ELEVATION
A-2.0 1/8"=1'-0"



1 PROPOSED REAR ELEVATION
A-2.1 1/8"=1'-0"



1 PROPOSED SIDE ELEVATION
A-2.2 1/8"=1'-0"

REV	DATE	DESCRIPTION	BY	APP.	DRAWING TITLE	SCALE:	SHEET NO.
					ARCHITECTURALS	1" = 20'	7 OF 7
					PROJECT	DATE:	
					MAP 31- LOT 117C	SEPT. 9, 2019	
					FAIRHAVEN, MASSACHUSETTS	DRAWN BY:	
					DANA LEWIS	SWL	
					CLIENT	DESIGNED BY:	
					FAIRHAVEN, MASSACHUSETTS	RJR	
					CIVIL ENGINEERING	CHECKED BY:	
					LAND SURVEYING	RJR	
					ENVIRONMENTAL ASSESSMENT	APPROVED BY:	
					PRIME ENGINEERING	RJR	
					P.O. BOX 1088	PROJECT NO.	
					390 BEDFORD ST.	2729-01-01	
					LAKEVILLE, MA 02347		
					TEL: 508.947.0060		
					FAX: 508.947.2004		

16 Silver Shell Beach Drive



16 Silver Shell Beach Drive









