

# SITEC

Civil and Environmental Engineering  
Land Use Planning

SITEC, Inc.  
449 Faunce Corner Road  
Dartmouth, MA 02747  
Tel. (508) 998-2125 FAX (508) 998-7554

Unit C  
769 Plain Street  
Marshfield, MA 02050  
Tel. (781) 319-0100 FAX (781) 834-4783

November 20, 2019

Conservation Commission  
Town of Fairhaven  
40 Center Street  
Fairhaven, MA 02719

**REFERENCE: LEE & ELIZETT MIGUEL  
3 NORTH STREET  
DEP FILE #SE23-1273**

Dear Commission Members:

As requested, attached please find a revised site plan for the above referenced project. The plan depicts the sod and crushed stone that has been placed in the adjacent layout of North Street for stabilization purposes.

The project is subject to an Amended Order of Conditions which was issued on July 8, 2019. The Amended Order is recorded in Land Court Book 136, Page 52 (Document #124627). In an effort to stabilize the area beyond the approved work limits, the applicant added the sod and stone as shown on the revised plan. At this time, we respectfully request the Commission's approval of this field modification.

We have updated the abutters list and have sent, via certified mail, notices to the listed parties. We have also included the required \$75.00 application fee and \$75.00 advertising fee for this request.

We look forward to meeting with the Commission at an upcoming meeting.

Sincerely,  
for SITEC, Inc.



Steven D. Gioiosa, P.E.  
President

cc: Lee & Elizett Miguel

**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:

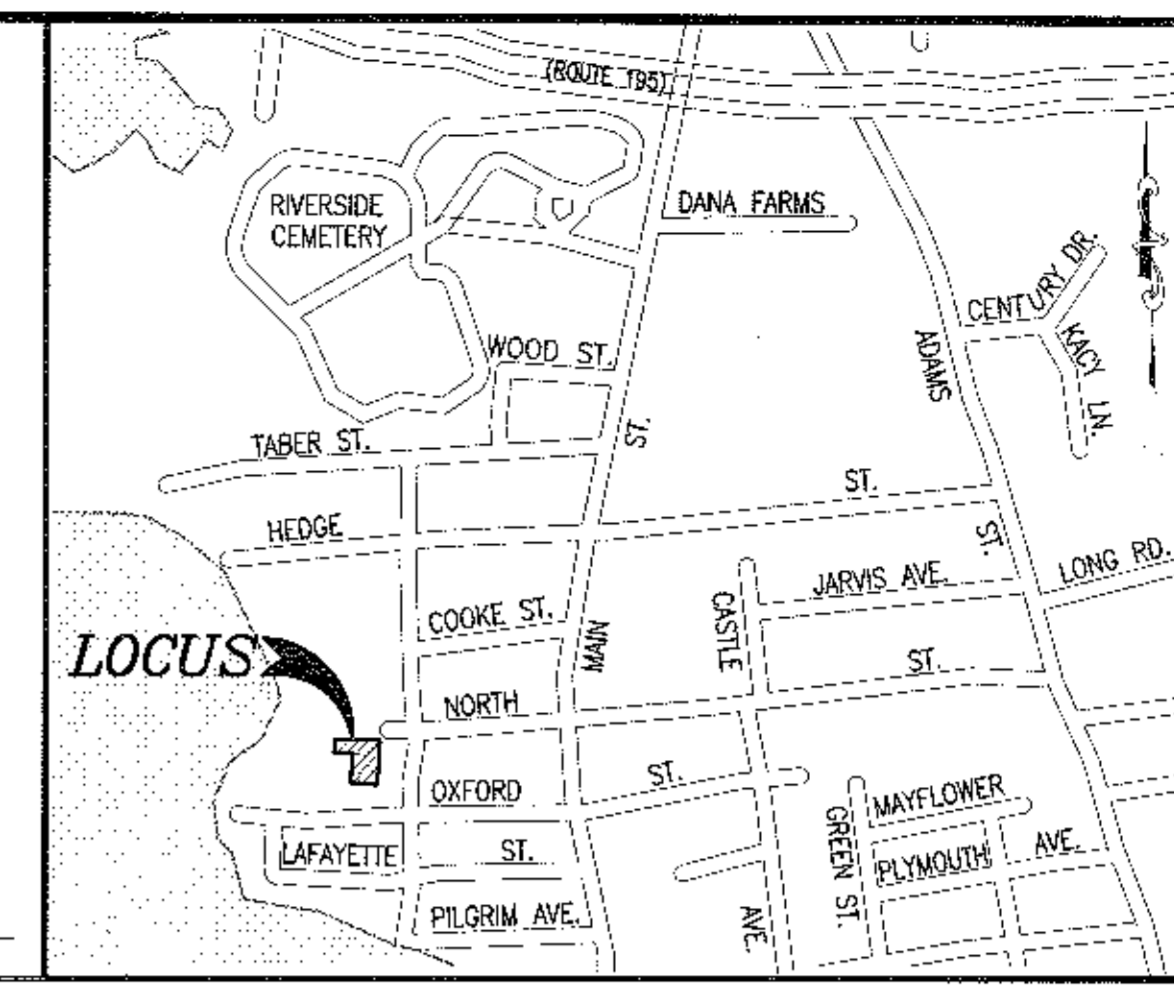
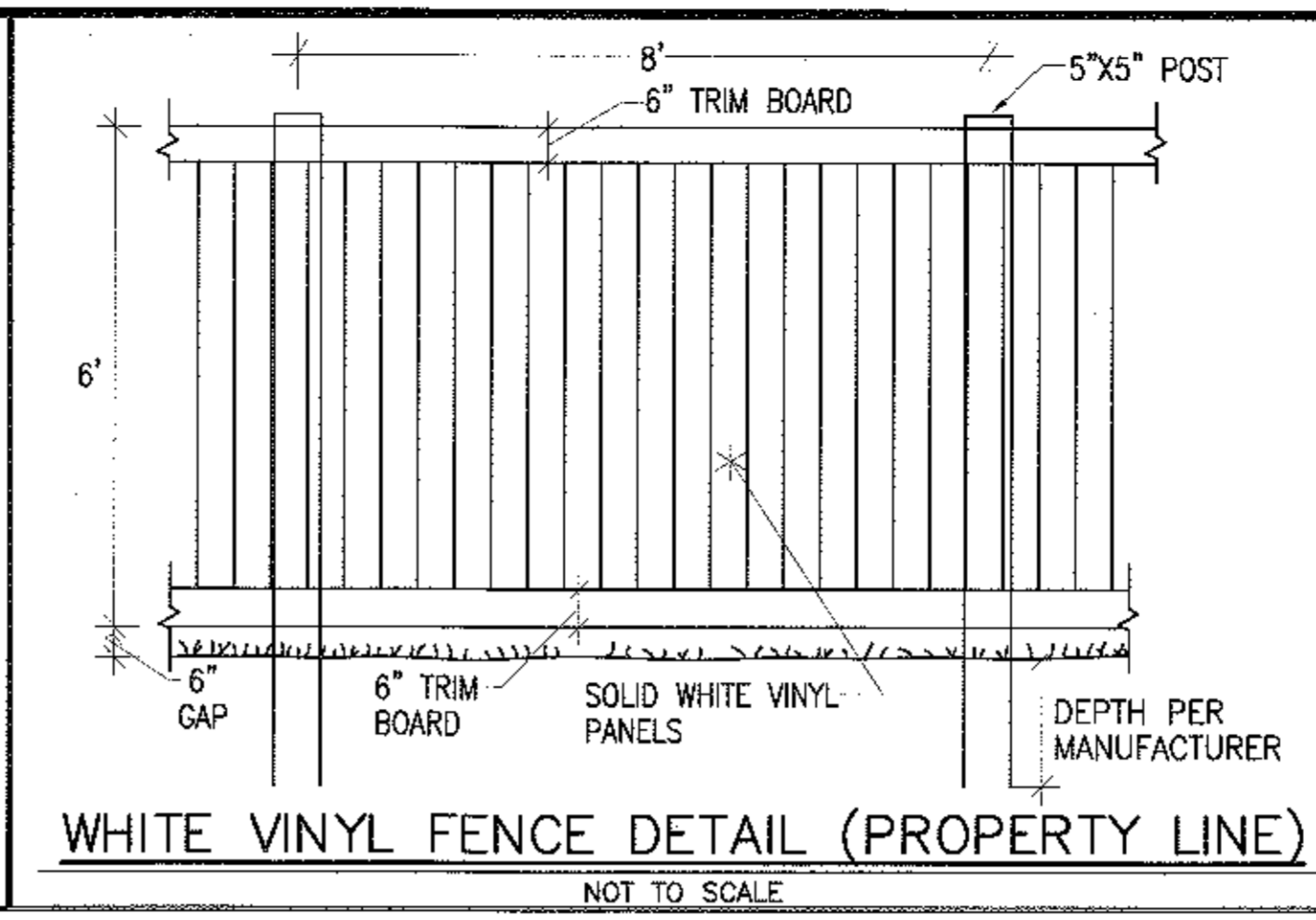
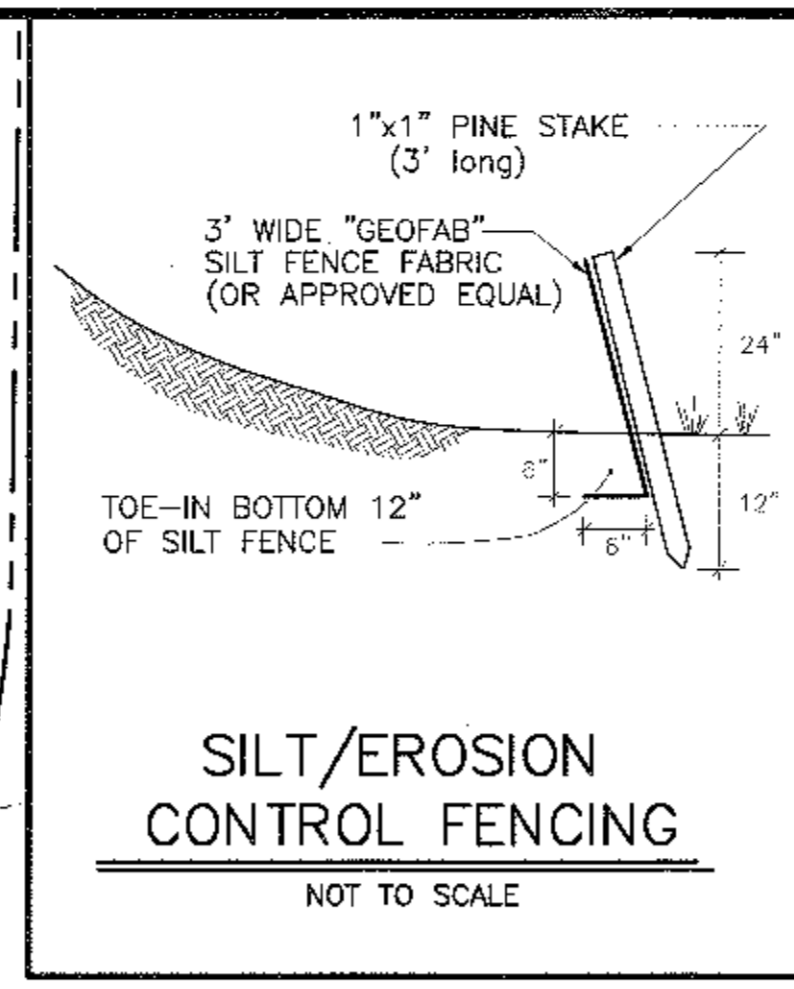
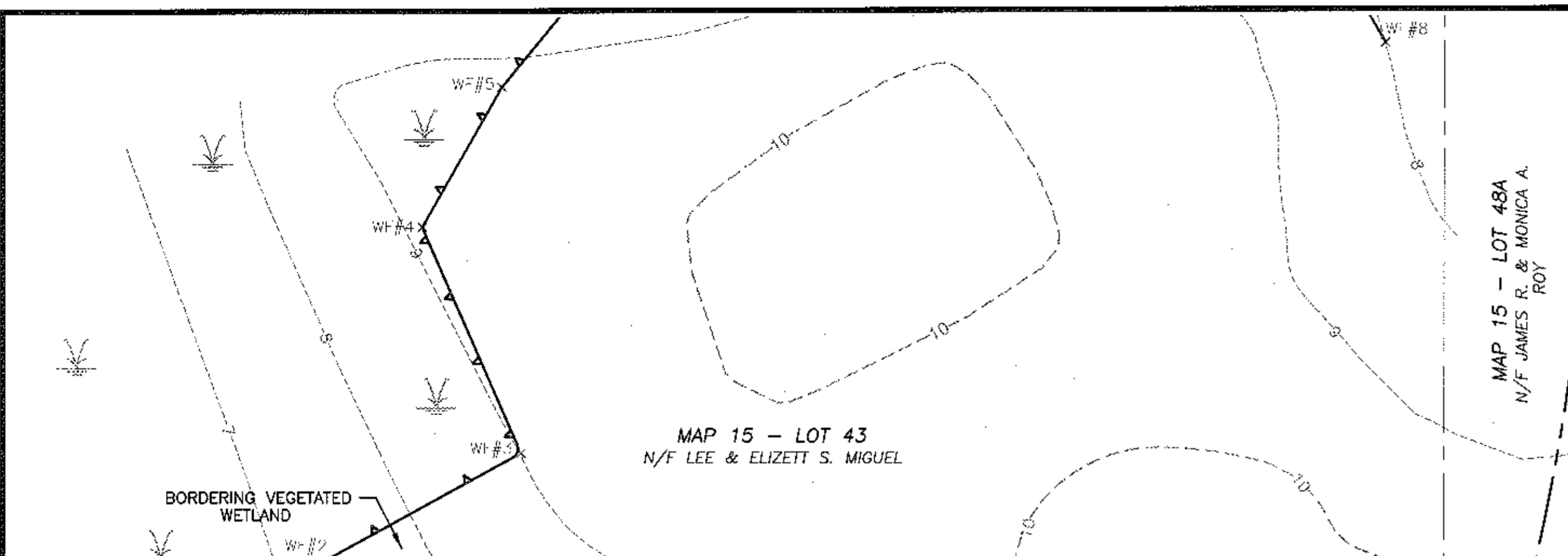
1. The applicant's name is Lee & Elizett Miguel
  
2. The applicant has filed the following type of permit application with the Fairhaven Conservation Commission:  
 Request for Determination of Applicability  
 Notice of Intent  
 Request to Amend an existing Order of Conditions  
 Notice of Resource Area Delineation
  
3. The address or location of the site where the activity, project, or delineation is proposed is:  
3 North Street, Fairhaven, MA.
  
4. The proposed work includes The addition of sod and crushed stone for site stabilization North of the previously approved work zone.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
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: December 23, 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: SITEC, Inc. - Steven Gioiosa  
Phone/Email: 508-998-2125      sgioiosa@sitec-engineering.com

**PLEASE NOTE:**

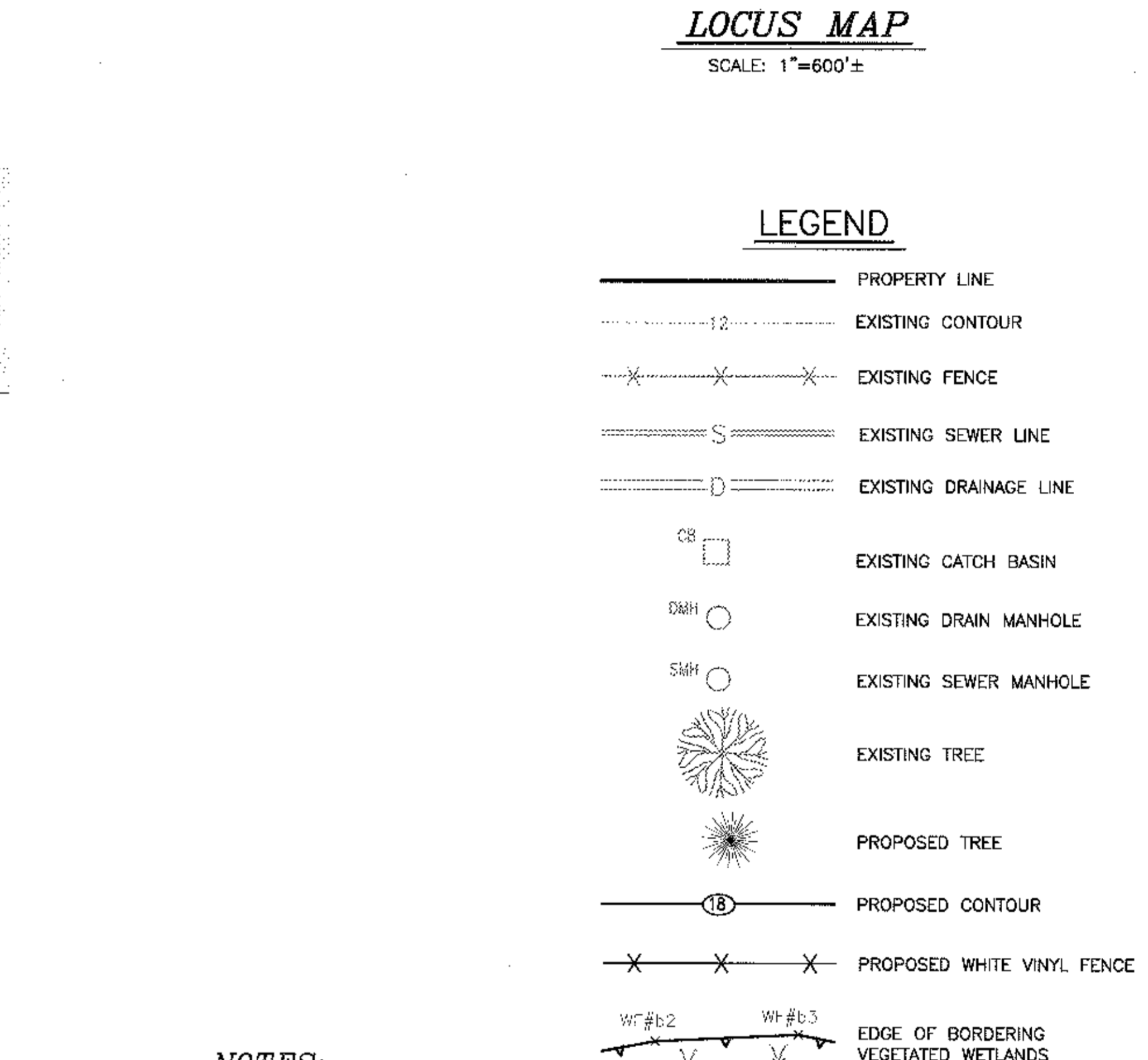
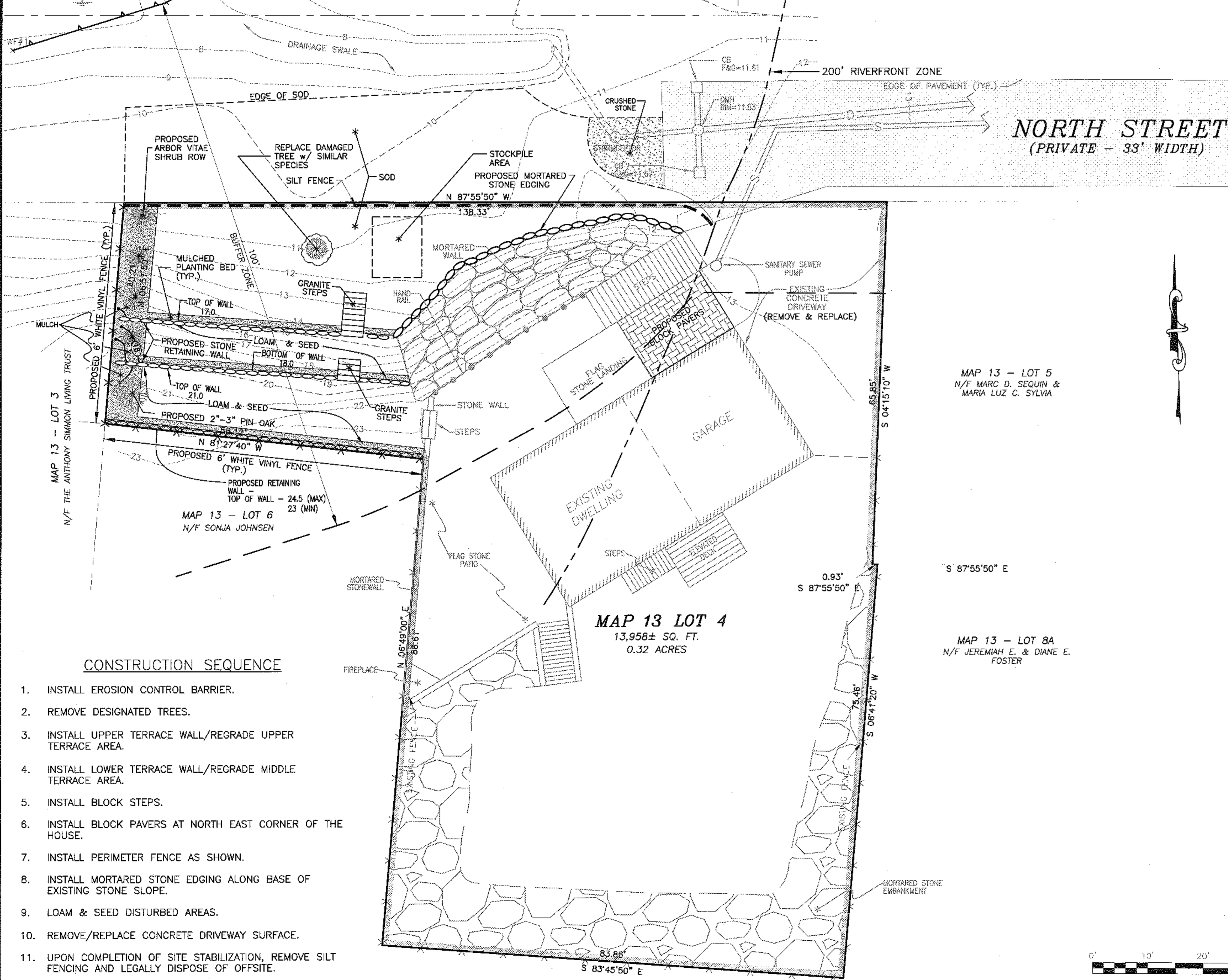
1. Notice of the public hearing including its date, time, and place will be published at least five business days in advance in the Fairhaven Neighborhood News, and will be posted on the Fairhaven Town Website and at the Fairhaven Town Hall not less than 48 hours in advance.
2. Since you are receiving 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.

3 NORTH STREET  
100 FT ABUTTERS

<u>MAP/LOT</u>	<u>PROPERTY ADDRESS</u>	<u>OWNER ON RECORD</u>	<u>OWNER ADDRESS</u>	<u>CITY/TOWN</u>	<u>STATE</u>	<u>ZIP</u>
13-003	14 OXFORD STREET	SIMMONS ANTHONY JR TRUSTEE OF THE ANTHONY SIMMONS SIMMONS LIVING TRUST	14 OXFORD STREET	FAIRHAVEN	MA	02719
13-005	22 CHERRY STREET	DESPRES DAVID M	22 CHERRY STREET	FAIRHAVEN	MA	02719
13-006	18 OXFORD STREET	JOHNSON SONJA	18 OXFORD STREET	FAIRHAVEN	MA	02719
13-007	20 OXFORD STREET	ROGERS CHRISTINE E	3541 ACUSHNET AVE	NEW BEDFORD	MA	02745
13-008	24 OXFORD STREET	PLAINFIELD REALTY LLC	471 PLAINFIELD STREET	PROVIDENCE	RI	02909
13-008A	18 CHERRY STREET	FOSTER JEREMIAH E & DIANE E	18 CHERRY STREET	FAIRHAVEN	MA	02719
15-048	28 CHERRY STREET	WARRINGTON JAMEY M AS TRUSTEE OF THE CLAUDIA MENARD WARRINGTON IRREVOCABLE TRUST	28 CHERRY STREET	FAIRHAVEN	MA	02719
15-048A	26 CHERRY STREET	ROY JAMES R & MONICA A	26 CHERRY ST	FAIRHAVEN	MA	02719



Revised	By	Description
SDG		ADD SOD/CRUSHED STONE AS SHOWN
SDG		ADD RETAINING WALL/SUPPLEMENTAL PLANTINGS
SDG		REVISE PER CONSERVATION COMMENTS
SDG		REVISE BASE DATA/ELIMINATE FOOT



- NOTES:**
- PROJECT IS SUBJECT TO AND ORDER OF CONDITIONS ISSUED BY THE FAIRHAVEN CONSERVATION COMMISSION. CONTRACTOR SHALL ADHERE TO ALL PROVISIONS OF THE ORDER.
  - SILT FENCE EROSION CONTROL SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION.
  - CONCRETE WASH OUT AREA SHALL BE LOCATED OUTSIDE OF THE 100 FOOT WETLAND BUFFER ZONE.
  - SITE SHALL BE MAINTENANCE CLEAN AND ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF OFFSITE.
  - ALL DISTURBED AREAS SHALL BE STABILIZED UPON COMPLETION OF CONSTRUCTION.
  - PROPOSED LOT COVERAGE - 50%
  - ESTIMATED FILL QUANTITY, INCLUDING LOAM - 18CY
  - CONCRETE FOR THE STONE EDGING AND STOPS SHALL BE SMALL QUANTITIES MIXED ONSITE AND CONVEYED VIA WHEEL BARREL TO THE CONSTRUCTION AREA.
  - CONSTRUCTION EQUIPMENT SHALL BE LIMITED TO A SMALL BACKHOE AND/OR BOBCAT STYLE MACHINE.

- CONSTRUCTION SEQUENCE**
- INSTALL EROSION CONTROL BARRIER.
  - REMOVE DESIGNATED TREES.
  - INSTALL UPPER TERRACE WALL/REGRADE UPPER TERRACE AREA.
  - INSTALL LOWER TERRACE WALL/REGRADE MIDDLE TERRACE AREA.
  - INSTALL BLOCK STEPS.
  - INSTALL BLOCK PAVERS AT NORTH EAST CORNER OF THE HOUSE.
  - INSTALL PERIMETER FENCE AS SHOWN.
  - INSTALL MORTARED STONE EDGING ALONG BASE OF EXISTING STONE SLOPE.
  - LOAM & SEED DISTURBED AREAS.
  - REMOVE/REPLACE CONCRETE DRIVEWAY SURFACE.
  - UPON COMPLETION OF SITE STABILIZATION, REMOVE SILT FENCING AND LEGALLY DISPOSE OF OFFSITE.

**LOCUS MAP**  
SCALE: 1"=600'±

**LEGEND**

**NOTES:**

**OWNER/APPLICANT:**  
**LEE & ELIZETT S. MIGUEL**  
3 NORTH STREET  
FAIRHAVEN, MA 02719

**SITEC, Inc.**  
445 Enterprise Center Road  
Dorchester, MA 02147  
(508) 590-7125  
FAX: (508) 980-7534  
WWW.SITEC-ENGINEERING.COM

**SITE PLAN**

Acad No. FVN 15-5954 SP.DWG  
File No. 15-5954

# SITEC


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Land Use Planning

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769 Plain Street  
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Tel. (781) 319-0100 FAX (781) 834-4783

## MEMORANDUM

TO: WHITNEY MCCLEES  
FAIRHAVEN CONSERVATION COMMISSION

FROM: STEVEN D. GIOIOSA, P.E. 

DATE: DECEMBER 17, 2019

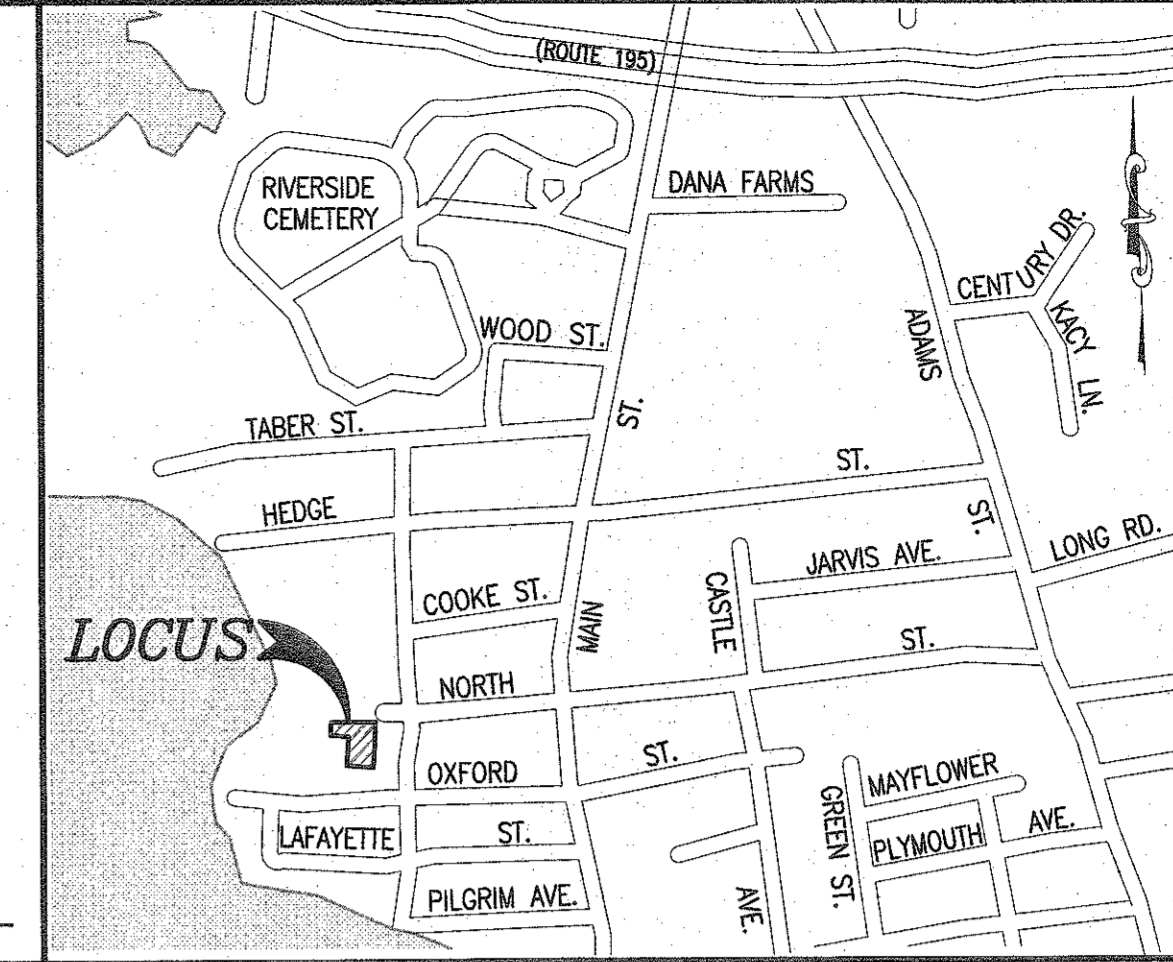
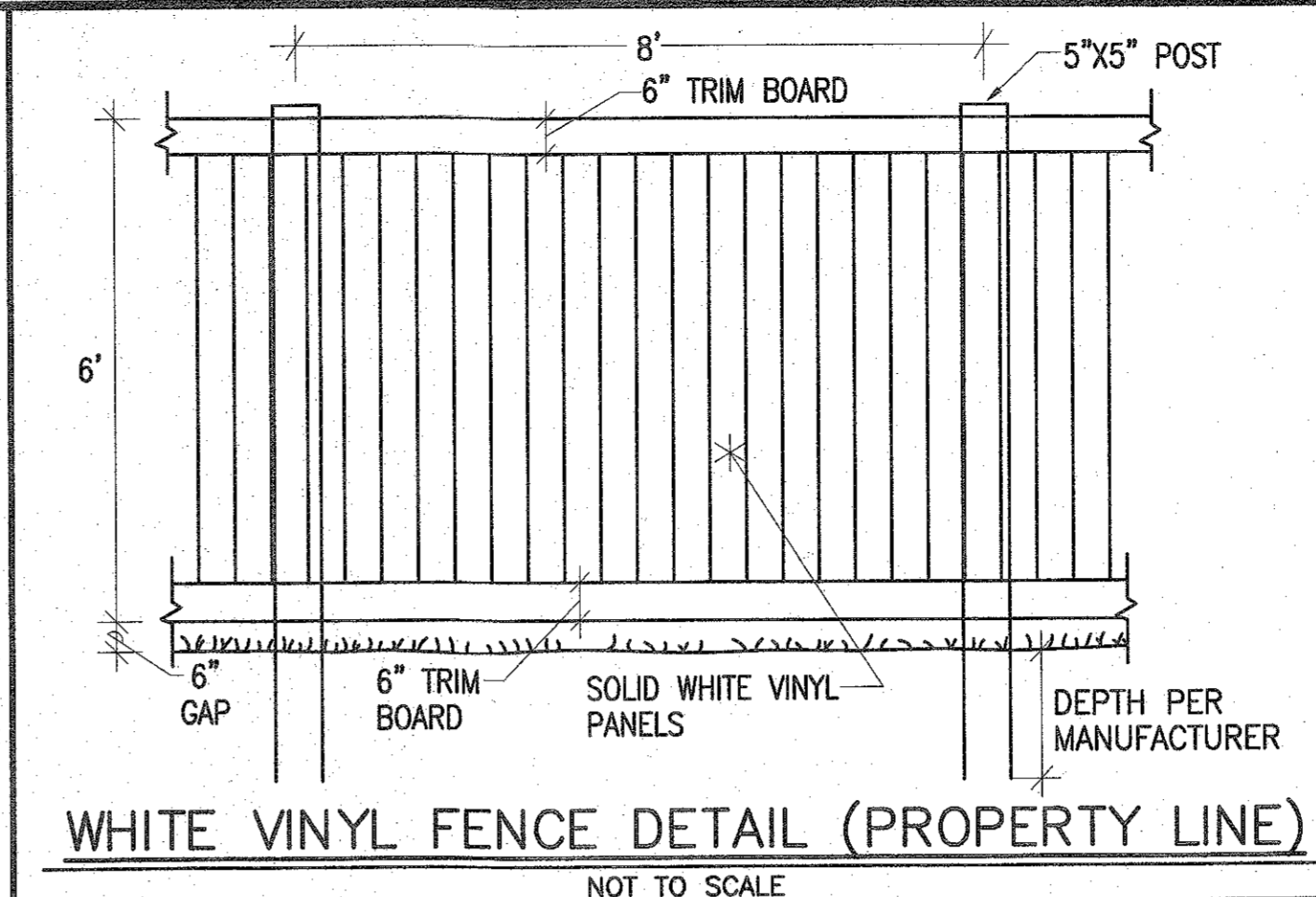
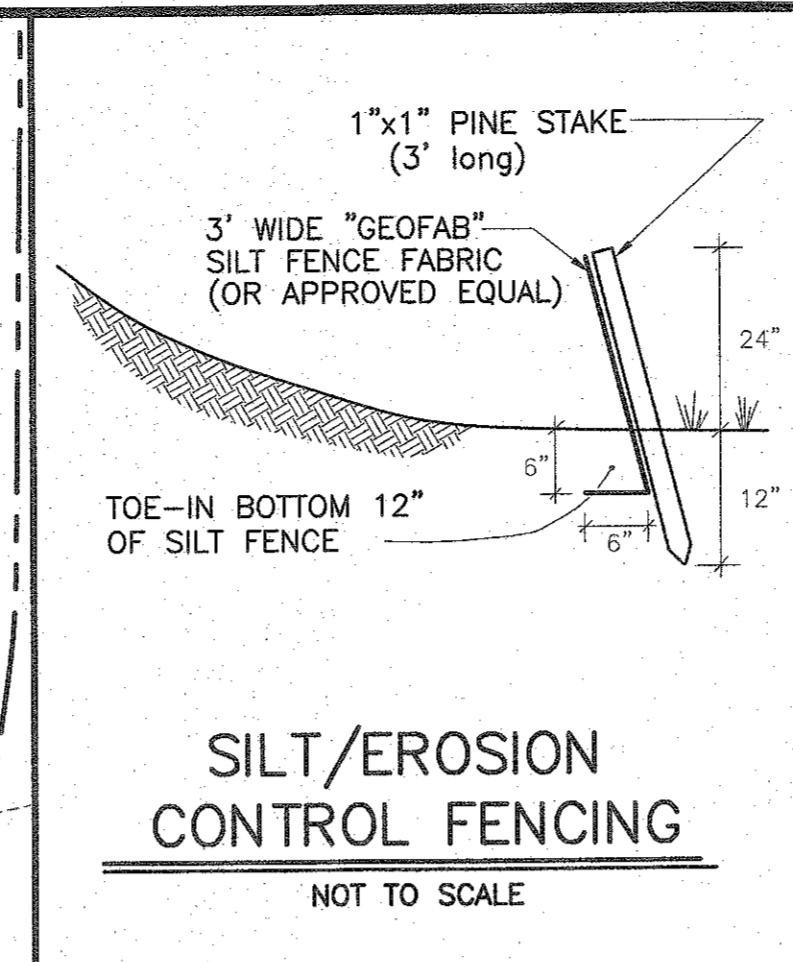
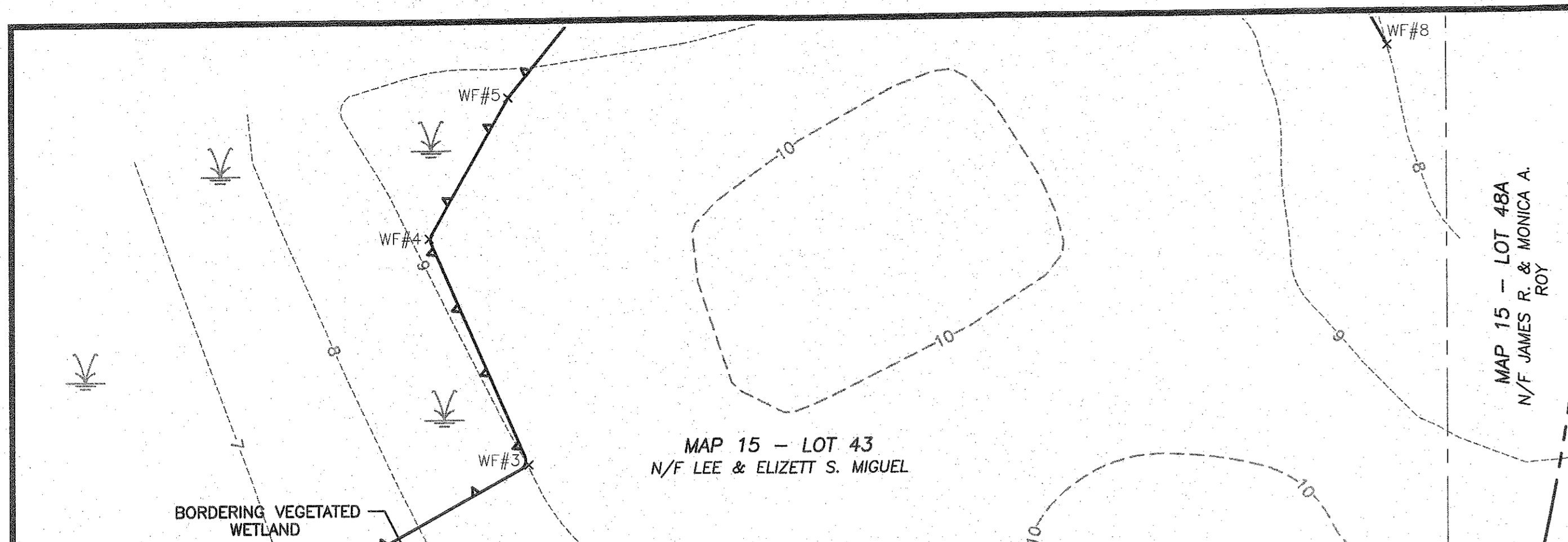
SUBJECT: **DEP FILE #SE23-1273**  
**3 NORTH STREET**

Attached please find a revised site plan for the Miguel residence. After reviewing this plan with Mr. Miguel last week, it was determined that the arborvitae plantings along the westerly property line did not depict the correct number. The actual plantings include 2 trees in the upper terrace, 2 in the middle and 4 at the lower level adjacent to North Street.

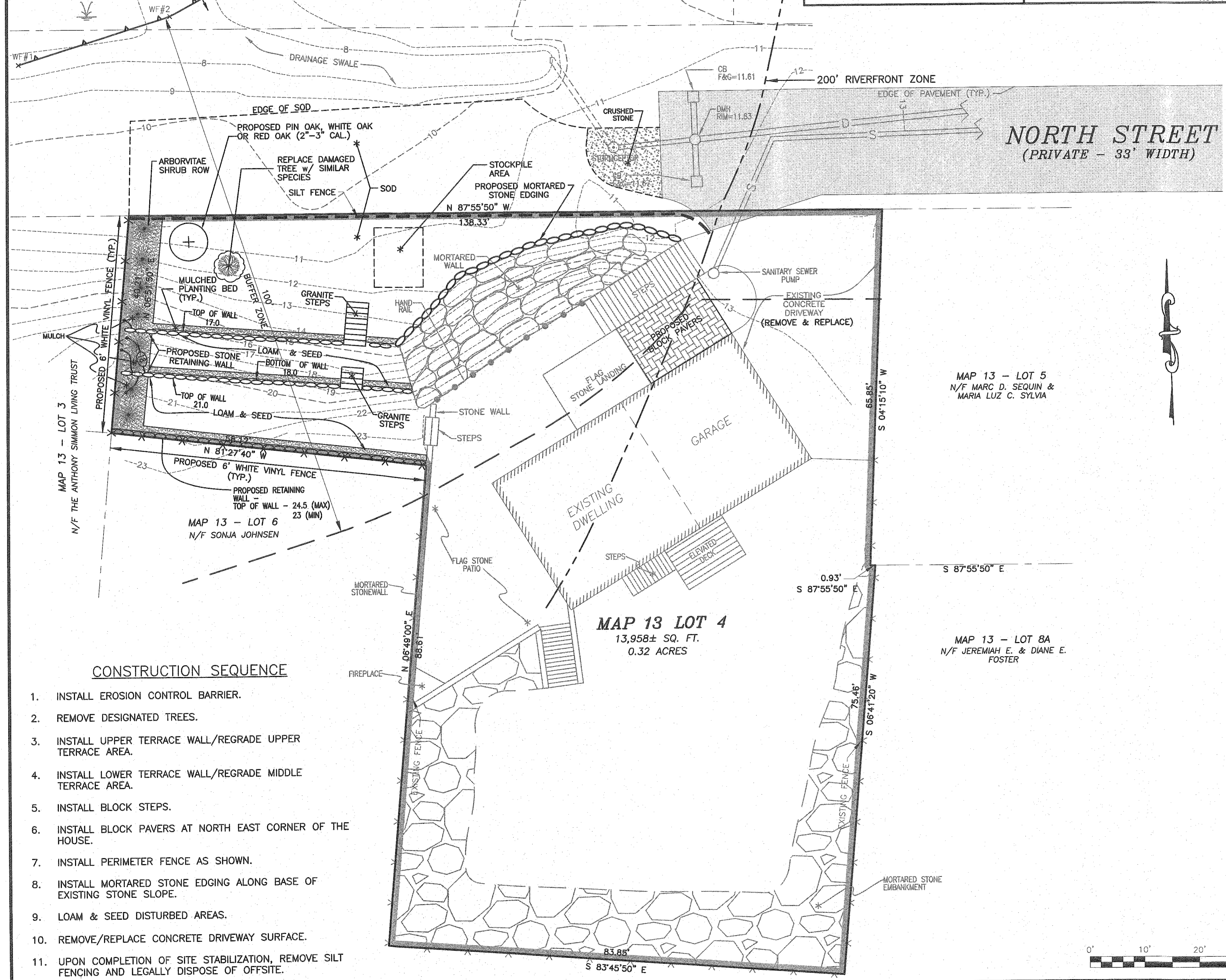
Additionally, Mr. Miguel has requested that the replacement tree for the lower area be shifted slightly to the west as shown.

Thank you in advance for your consideration of these changes.

cc: Lee & Lizett Miguel



Approved by:	
Checked by:	
Scale:	1" = 600' ±
Revision Description	
No.	Date
5	DEC 13, 2019
4	NOV 20, 2019
3	JUNE 3, 2019
2	AUG 29, 2018
1	AUG 8, 2018



### LEGEND

- PROPERTY LINE
- - - EXISTING CONTOUR
- X X X EXISTING FENCE
- S EXISTING SEWER LINE
- D EXISTING DRAINAGE LINE
- CB □ EXISTING CATCH BASIN
- DMH ○ EXISTING DRAIN MANHOLE
- SMH ○ EXISTING SEWER MANHOLE
- ☼ EXISTING TREE
- ☼ PROPOSED TREE
- ⊖ PROPOSED CONTOUR
- X X X PROPOSED WHITE VINYL FENCE
- WF#b2 WF#b3 EDGE OF BORDERING VEGETATED WETLANDS

- NOTES:**
- PROJECT IS SUBJECT TO AND ORDER OF CONDITIONS ISSUED BY THE FAIRHAVEN CONSERVATION COMMISSION. CONTRACTOR SHALL ADHERE TO ALL PROVISIONS OF THE ORDER.
  - SILT FENCE EROSION CONTROL SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION.
  - CONCRETE WASH OUT AREA SHALL BE LOCATED OUTSIDE OF THE 100 FOOT WETLAND BUFFER ZONE.
  - SITE SHALL BE MAINTENANCE CLEAN AND ALL DEBRIS SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF OFFSITE.
  - ALL DISTURBED AREAS SHALL BE STABILIZED UPON COMPLETION OF CONSTRUCTION.
  - PROPOSED LOT COVERAGE - 50%
  - ESTIMATED FILL QUANTITY, INCLUDING LOAM - 18CY
  - CONCRETE FOR THE STONE EDGING AND STOPS SHALL BE SMALL QUANTITIES MIXED ONSITE AND CONVEYED VIA WHEEL BARREL TO THE CONSTRUCTION AREA.
  - CONSTRUCTION EQUIPMENT SHALL BE LIMITED TO A SMALL BACKHOE AND/OR BOBCAT STYLE MACHINE.

- ### CONSTRUCTION SEQUENCE
- INSTALL EROSION CONTROL BARRIER.
  - REMOVE DESIGNATED TREES.
  - INSTALL UPPER TERRACE WALL/REGRADE UPPER TERRACE AREA.
  - INSTALL LOWER TERRACE WALL/REGRADE MIDDLE TERRACE AREA.
  - INSTALL BLOCK STEPS.
  - INSTALL BLOCK PAVERS AT NORTH EAST CORNER OF THE HOUSE.
  - INSTALL PERIMETER FENCE AS SHOWN.
  - INSTALL MORTARED STONE EDGING ALONG BASE OF EXISTING STONE SLOPE.
  - LOAM & SEED DISTURBED AREAS.
  - REMOVE/REPLACE CONCRETE DRIVEWAY SURFACE.
  - UPON COMPLETION OF SITE STABILIZATION, REMOVE SILT FENCING AND LEGALLY DISPOSE OF OFFSITE.

**OWNER/APPLICANT:**  
**LEE & ELIZETT S. MIGUEL**  
 3 NORTH STREET  
 FAIRHAVEN, MA 02719

**SITEC**  
 SITEC, Inc.  
 449 Falmouth Corner Road  
 Fairhaven, MA 02719  
 (508) 998-2125  
 FAX (508) 998-7554  
 WWW.SITEC-ENGINEERING.COM

Acad No. FVN 15-5954 SP.DWG  
 File No. 15-5954

Jan 13



Massachusetts Department of Environmental Protection  
Bureau of Resource Protection - Wetlands

City/Town \_\_\_\_\_

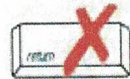
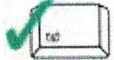
**WPA Form 1- Request for Determination of Applicability**

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:

Fairhaven Marine Resources Committee/Harbormaster	tcoc@fairhaven-ma.gov	
Name	E-Mail Address	
40 Center Street		
Mailing Address		
Fairhaven	MA	02719
City/Town	State	Zip Code
508-979-4023		
Phone Number	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**

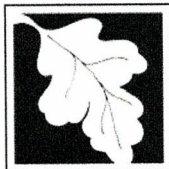
1. I request the Fairhaven Conservation Commission make the following determination(s). Check any that apply:  
Conservation Commission

- 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:

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):

55 Goulart Memorial Drive

Fairhaven

Street Address

City/Town

42

23A

Assessors Map/Plat Number

Parcel/Lot Number

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

Hoppy's Landing

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

Site Plan

12/3/2019

Title

Date

Title

Date

Title

Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):  
Trimming the vegetation on the southwestern side of the parking area to be level with the top of the boulders. No trimming proposed on the beach-side of the boulders. Work to take place from the parking lot side only.

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## 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).

Vista pruning

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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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# 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.

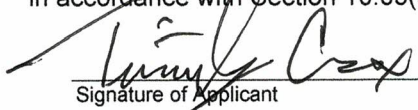
Name and address of the property owner:

Town of Fairhaven  
 Name  
 40 Center Street  
 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

12/4/19  
 Date

\_\_\_\_\_  
 Signature of Representative (if any)

\_\_\_\_\_  
 Date

**Site Plan**  
**12/3/2019**



55 Goulart Memorial Dr

**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 Fairhaven Marine Resources Committee / Harbormaster
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:  
55 Goulart Memorial Dr., Fairhaven, MA.
4. The proposed work includes Trimming the vegetation on the southwestern side of the parking area to be level with the top of the boulders. No trimming proposed on the beach - side of the boulders. work to take place from the parking lot side only.
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: 1/13/20
  - 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: Tia Cox  
Phone/Email: tcx@fairhaven-ma.gov

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.





TOWN OF FAIRHAVEN, MASSACHUSETTS

# CONSERVATION COMMISSION

Town Hall · 40 Center Street · Fairhaven, MA 02719

## 21-DAY WAIVER

Date:

I, Timothy Coe / Harbor master hereby waive the twenty-one-day time period for a  
Name of Applicant or Representative  
public hearing/meeting following receipt of my filing of:

- Notice of Intent
- Request for Determination of Applicability
- Other \_\_\_\_\_

by the Fairhaven Conservation Commission under Massachusetts General Laws, Ch. 131, §40, an/or under Fairhaven General Bylaws, Chapter 192, Wetlands.

The request was submitted on: \_\_\_\_\_ for work at: \_\_\_\_\_  
Date Received in Conservation Dept. Location/Address of Project

Please be advised that you will be notified of the meeting date once this application has been assigned to a Conservation Commission Meeting Agenda.

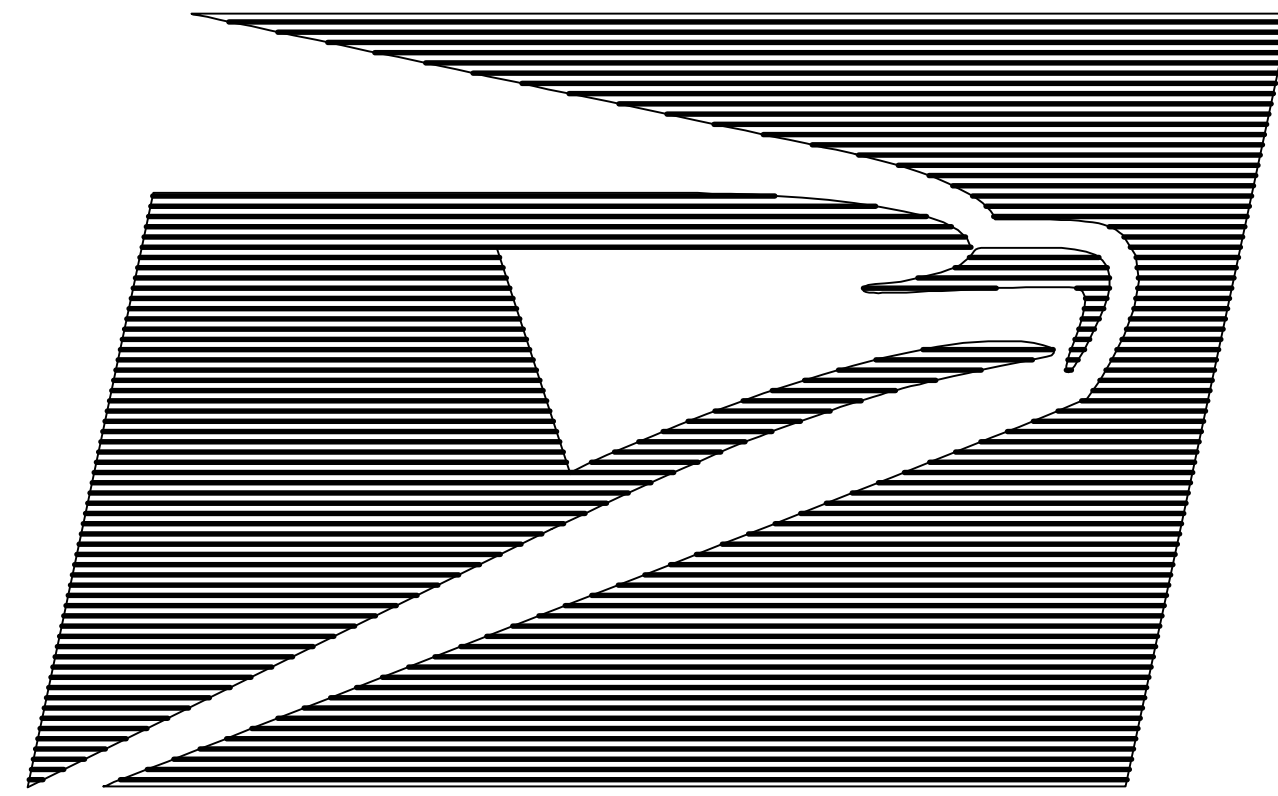
I am the:

- Applicant
- Applicant's Representative
- Property Owner

Timothy Coe  
Signature  
12/4/19  
Date

# PAVING

CARRIER ANNEX  
4 PEQUOD ROAD  
FAIRHAVEN, MA 02719



# UNITED STATES POSTAL SERVICE®

**FACILITIES - NORTHEAST R&A**  
6 GRIFFIN ROAD  
WINDSOR, CT 06006 - 0300

A/E FIRM

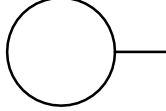
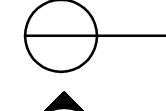
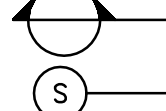


**McKINNELL  
& McKINNELL  
& TAYLOR Inc.**

ARCHITECTS • ENGINEERS • PLANNERS  
SUITE 201  
164 WASHINGTON STREET  
NORWELL, MA 02061  
PHONE: (781) 878-6223  
FAX: (781) 878-8920

## GENERAL NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE U.S.P.S TO MAINTAIN CUSTOMER ACCESS AT ALL TIMES.
2. ALL WORK BEING PERFORMED SHALL NOT IN ANY WAY INTERFERE WITH THE REGULAR OPERATION OF THE U.S.P.S. FACILITY. SECURITY SHALL BE MAINTAINED AT ALL TIMES.
3. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE FACILITY FOR ACCESS TO AND FROM THE FACILITY.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD BEFORE BEGINNING ANY WORK OR PURCHASING ANY MATERIAL OR EQUIPMENT.
5. THE CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING CONDITIONS BEFORE SUBMITTING THEIR OFFER. NO EXTRA WILL BE ALLOWED FOR FAILURE TO COMPLY WITH THE ABOVE.
6. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT / ENGINEER OF ANY EXISTING CONDITION DISCOVERED DURING DEMOLITION THAT WILL INTERFERE WITH THE NEW WORK.

## LEGEND

-  SHEET LOCATION MARK
-  DETAIL MARK
-  SECTION MARK
-  SEALANT
-  PREMOLDED JOINT FILLER

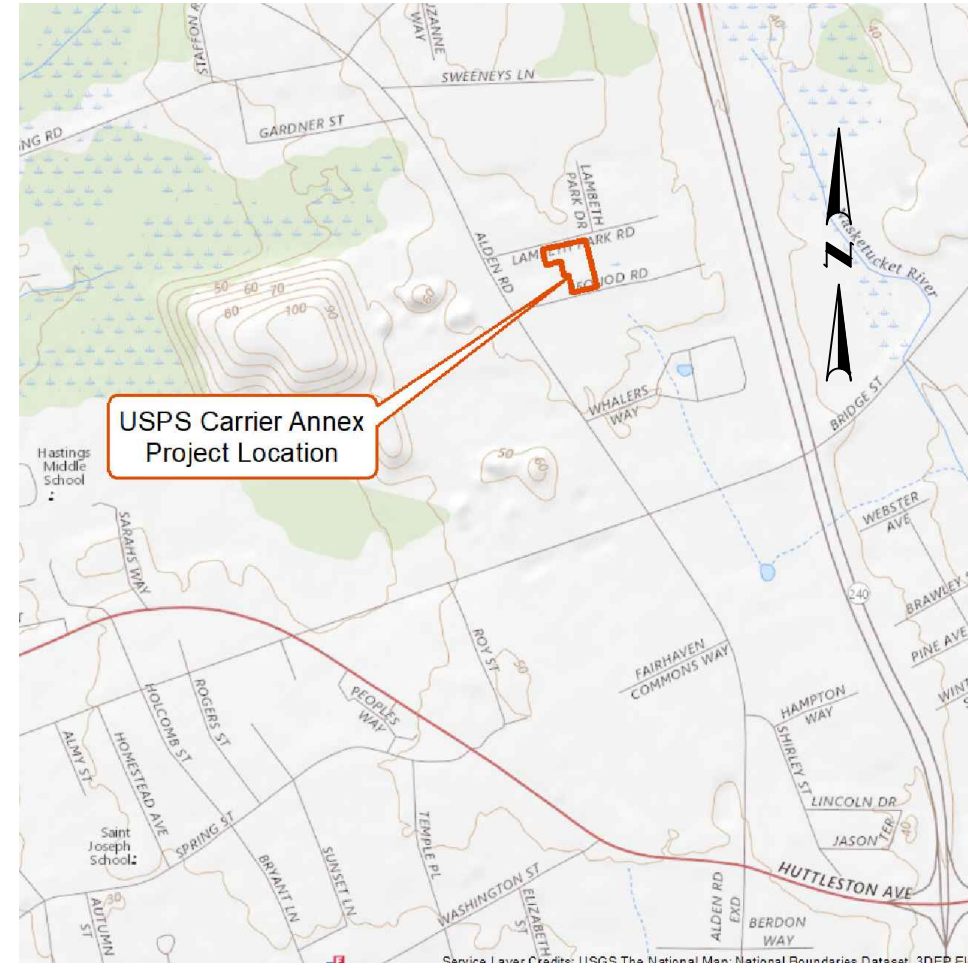
## ABBREVIATIONS

&	AND	MATL.	MATERIAL
Ø	AT	MAX.	MAXIMUM
DIA	DIAMETER	MFGR.	MANUFACTURER
AFF	ABOVE FINISHED FLOOR	MIN.	MINIMUM
ALUM	ALUMINUM	M.O.	MASONRY OPENING
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	MOD	MODIFIED
APPROX.	APPROXIMATE, APPROXIMATELY	MTD	MOUNTED
B.O.	BOTTOM OF	MTL.	METAL
BD.	BOARD	NO.	NUMBER
BRG.	BEARING	N/A	NOT APPLICABLE
CCTV	CLOSED-CIRCUIT TELEVISION	O.C.	ON CENTER
CLG.	CENTERLINE	O.D.	OUTSIDE DIAMETER
CLR.	CLEAR	OPP.	OPPOSITE
CMU	CONCRETE MASONRY UNIT	P. LAM.	PLASTIC LAMINATE
COL.	COLUMN	PART.	PARTITION, PARTIAL
COLS.	COLUMNS	PBSM	POSTAGE BOOKLET STAMP MACHINE
CONC.	CONCRETE	PLYWD.	PLYWOOD
CONT.	CONTINUOUS	P.O.	POST OFFICE
C.O.	CONTRACTING OFFICER	P.O.S.	POINT OF SALE
D.S.	DOWNSPOUT	PTD	PAINTED
DIA.	DIAMETER	PL	PLATE
DISP.	DISPLAY OR DISPENSER	RECEP.	RECEPTACLE
DTL.	DETAIL	REF.	REFER, REFERENCE
E.W.C.	ELECTRICAL WATER COOLER	REQ'D	REQUIRED
ELEC.	ELECTRIC, ELECTRICAL	R.O.	ROUGH OPENING
EQ.	EQUAL	SQ. FT.	SQUARE FEET
EXP	EXPANSION	SQ. IN.	SQUARE INCHES
EXT.	EXTERIOR	SCW	SOLID CORE WOOD
F.E.	FIRE EXTINGUISHER	S.S.	STAINLESS STEEL
FF	FACTORY FINISH	SHT.	SHEET
FIN.	FINISH(ED)	SHTS.	SHEETS
F.O.	FACE OF	SIM.	SIMILAR
GA.	GAUGE	SPECS	SPECIFICATIONS
G.C.	GENERAL CONTRACTOR	STL.	STEEL
GYP.	GYPSONUM	T & G	TONGUE AND GROOVE
H	HIGH	TELE.	TELEPHONE
HB.	HOSE BIBB	THICK	THICKNESS
HDW	HARDWARE	THRESH	THRESHOLD
HGT.	HEIGHT	T.O.	TOP OF
HM	HOLLOW METAL	TYP	TYPICAL
HT.	HEIGHT	U.O.N.	UNLESS OTHERWISE NOTED
I.D.	INSIDE DIAMETER	USPS	UNITED STATES POSTAL SERVICE
i.e.	THAT IS	VCT	VINYL COMPOSITION TILE
INSUL.	INSULATION	VIF	VERIFY IN FIELD
INT	INTERIOR	W	WIDE
IRT	INTEGRATED RETAIL TERMINAL	W/	WITH
JAN.	JANITOR	WD	WOOD
JT.	JOINT	WWF	WELDED WIRE FABRIC
LB	POUND		

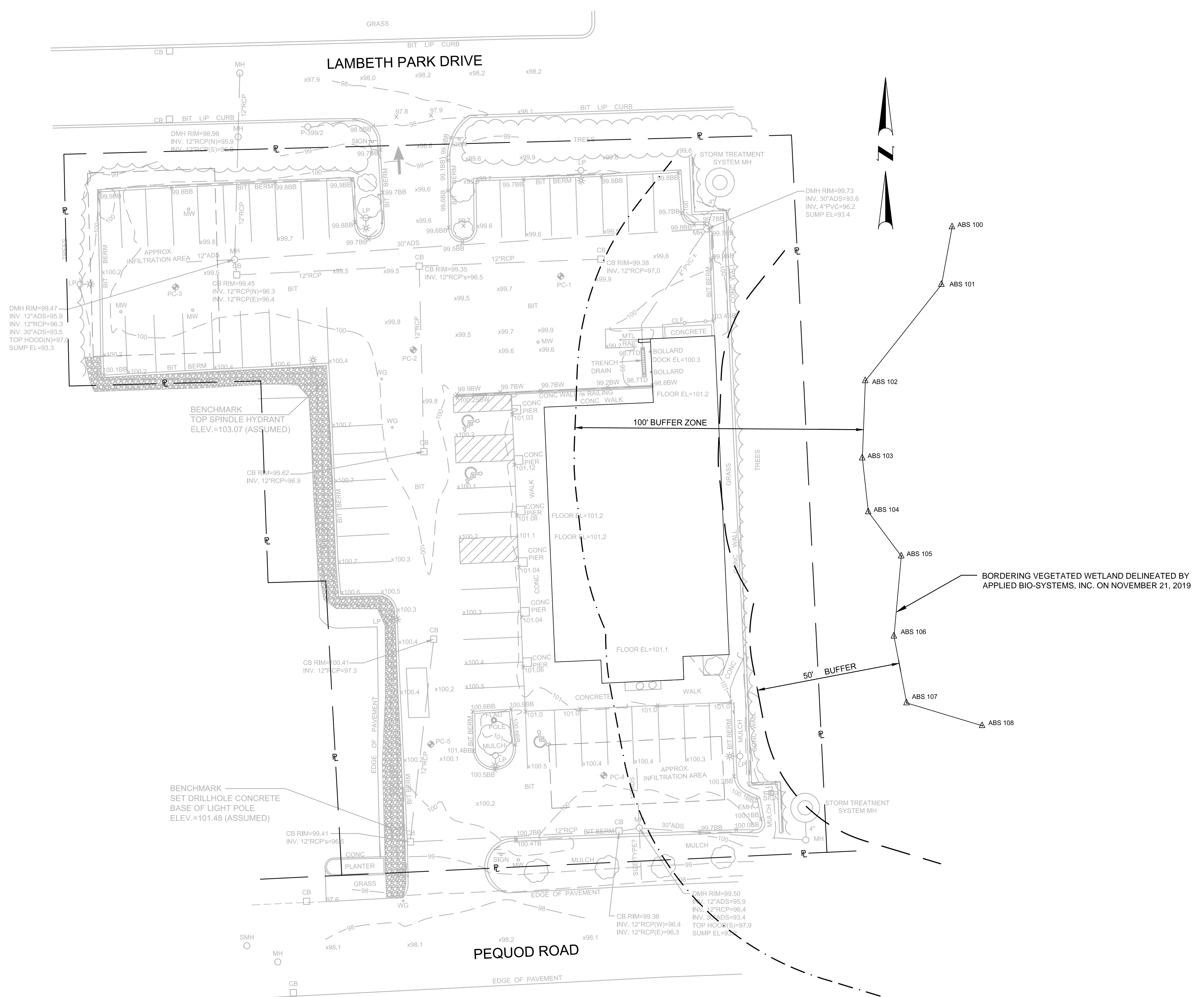
## INDEX OF DRAWINGS

T1.01	TITLE SHEET
C1.01	EXISTING CONDITIONS PLAN
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C1.04	SIGNING AND STRIPING PLAN
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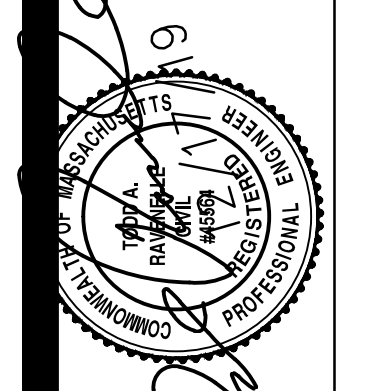
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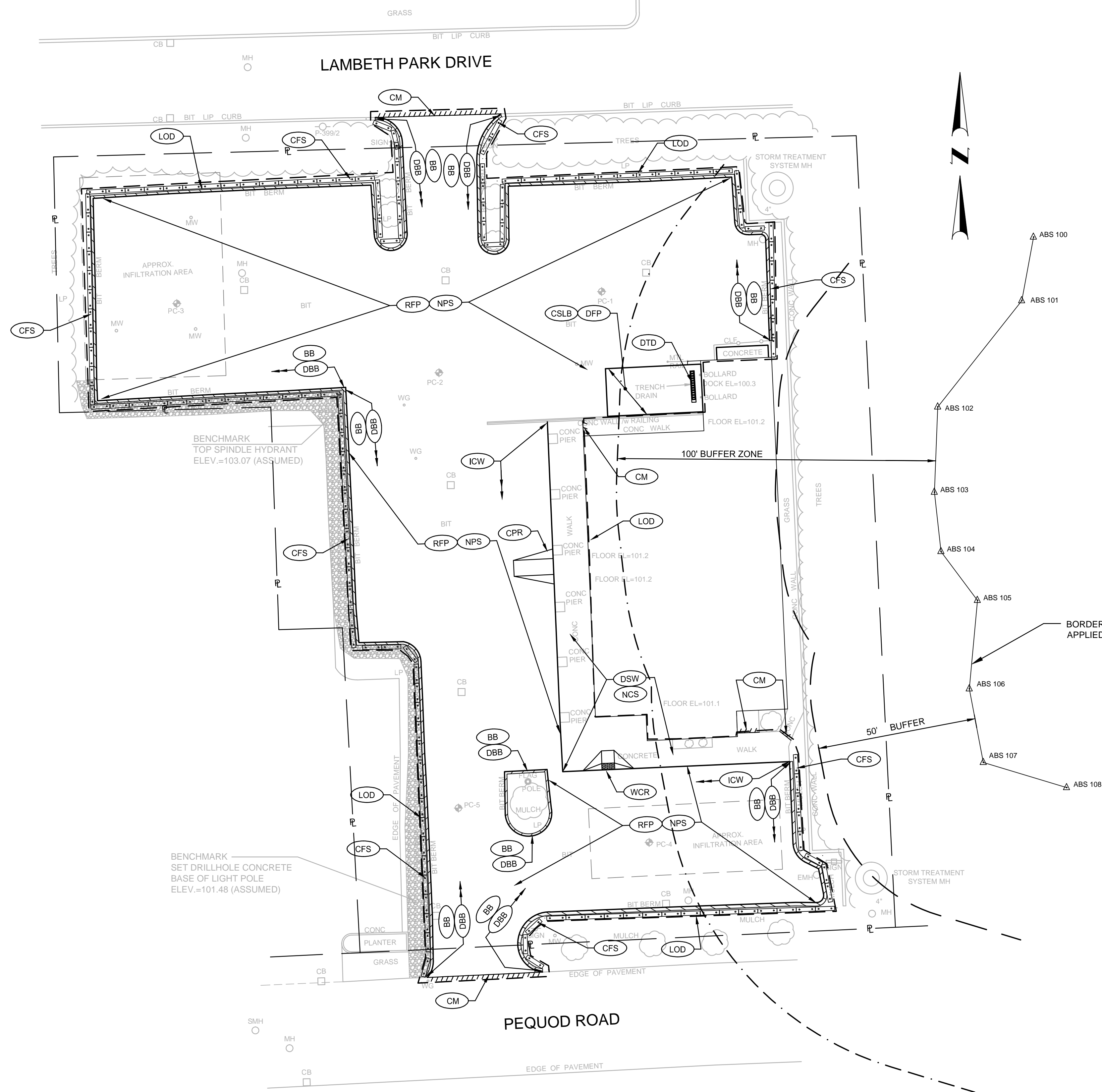
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 SCALE: 1" = 20'  
 DATE: 12/17/19  
 REVISIONS:  
 A/E PROJECT NO.: 19033.00  
 USPS PROJECT NO.: E35638

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 Civil and Environmental Engineers  
 Pawtucket, Rhode Island

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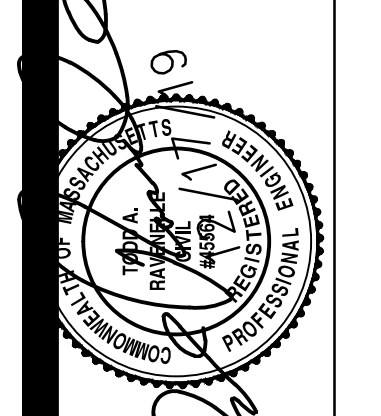


**LEGEND**

////	CUT AND MATCH
BB	NEW BITUMINOUS BERM
CFS	COMPOST FILTER SOCK
CM	SAWCUT & MATCH PAVEMENT
CPR	CARRIER PLATFORM RAMP
CSLB	NEW CONCRETE SLAB
DBB	REMOVE & DISPOSE BITUMINOUS BERM
DFP	REMOVE & DISPOSE FLEXIBLE PAVEMENT
DSW	REMOVE & DISPOSE SIDEWALK
DTD	REMOVE & DISPOSE TRENCH DRAIN
ICW	INTEGRATED CONCRETE CURB / WALK
NCS	NEW CONCRETE SIDEWALK
NPS	NEW PAVEMENT STRUCTURE
RFP	RECYCLE FLEXIBLE PAVEMENT FOR SUBBASE
LOD	LIMIT OF DISTURBANCE
WCR	WHEEL CHAIR RAMP

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**C1.02 GENERAL PLAN**

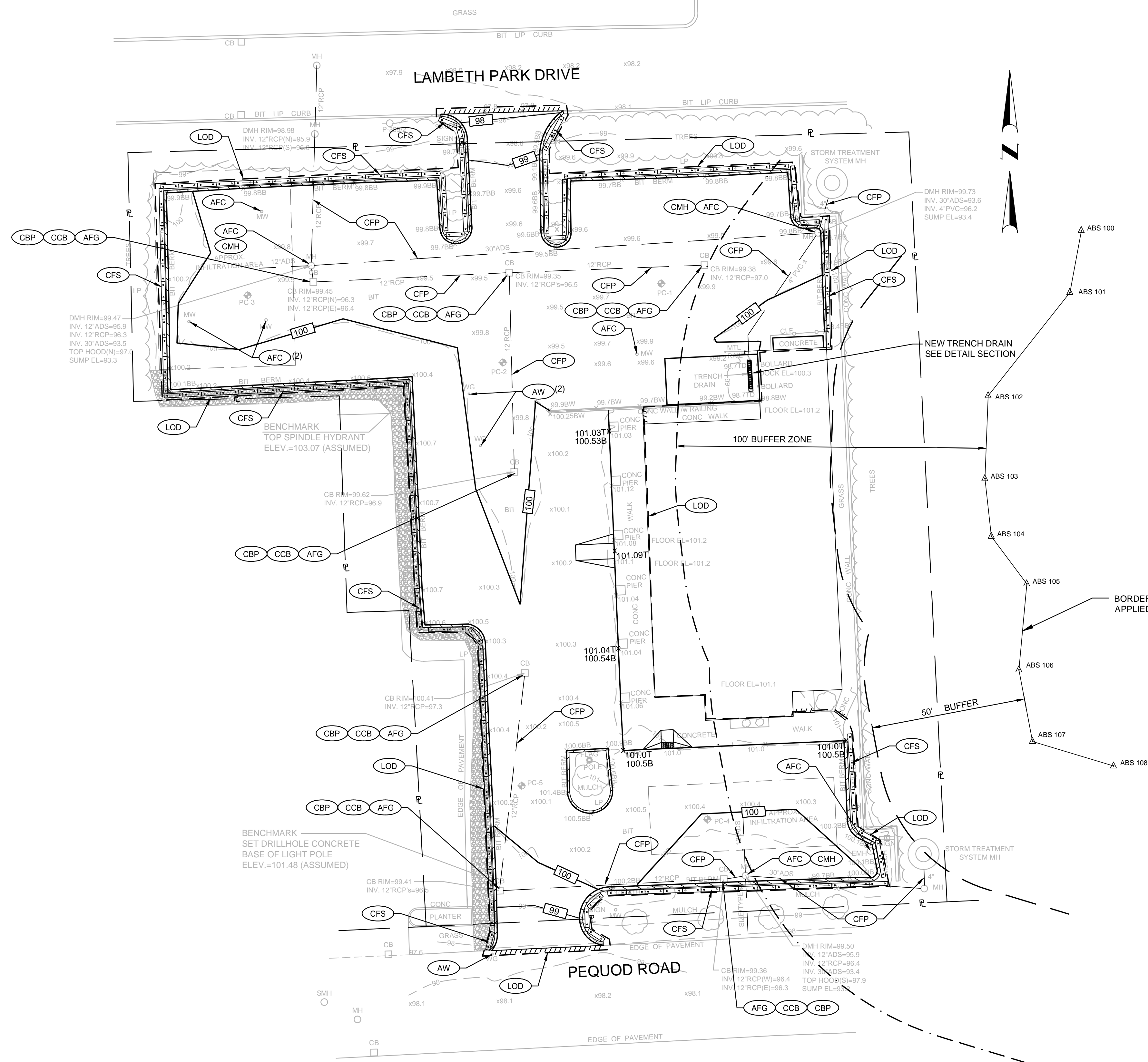
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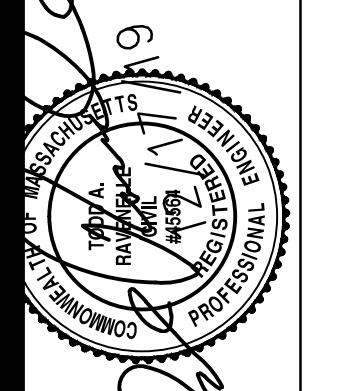


**LEGEND**

	CUT AND MATCH
	PROPOSED GRADE
	PROPOSED SPOT GRADE
	ADJUST FRAME AND COVER
	ADJUST FRAME AND GRATE
	ADJUST GAS GATE
	ADJUST WATER GATE
	CATCH BASIN INLET PROTECTION
	CLEAN CATCH BASIN
	CLEAN & FLUSH PIPE
	COMPOST FILTER SOCK
	CLEAN MANHOLE
	LIMIT OF DISTURBANCE

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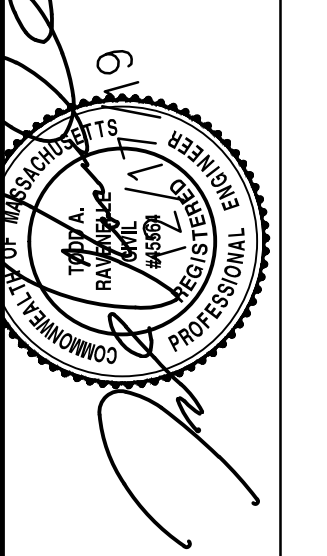
**C1.03 GRADING & DRAINAGE PLAN**

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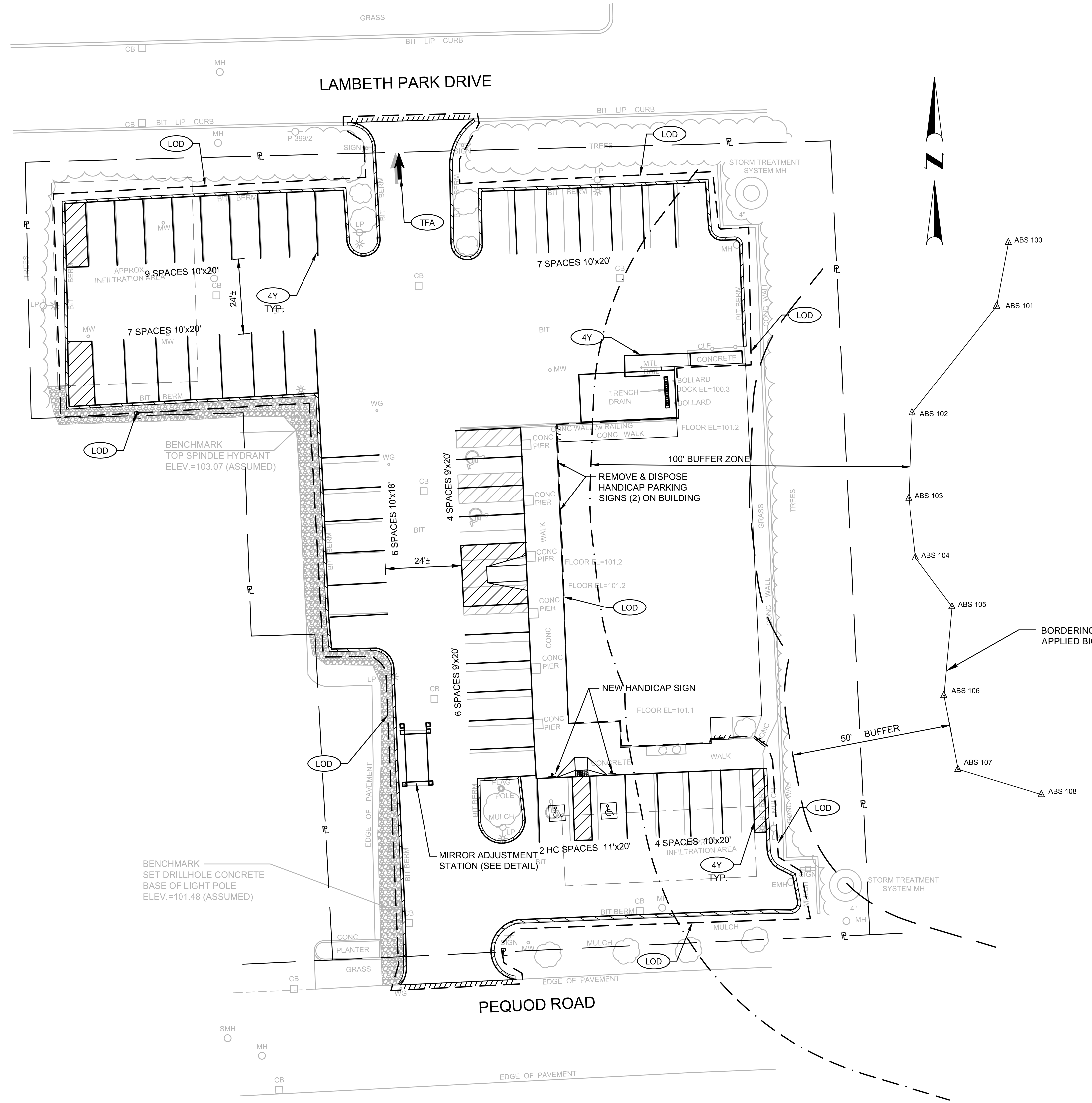
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LEGEND  
 LOD LIMIT OF DISTURBANCE  
 TFA TRAFFIC FLOW ARROW (SEE DETAIL)  
 4Y 4" YELLOW STRIPE



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GENERAL NOTES




























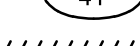
- REFERENCE IS MADE TO THE LATEST EDITIONS OF THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSDOT) "STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES" (1988 ENGLISH EDITION, INCLUDING ALL SUBSEQUENTLY ISSUED SUPPLEMENTAL SPECIFICATIONS) AND THE "2014 CONSTRUCTION STANDARD DETAILS" (INCLUDING ALL SUBSEQUENT REVISIONS AND SUPPLEMENTS). ALL PROJECT SITE IMPROVEMENTS SHALL CONFORM TO THE APPLICABLE STANDARDS SET FORTH IN THESE DOCUMENTS (AND THE SUB-REFERENCES INCORPORATED THEREIN) UNLESS OTHERWISE INDICATED IN THE CONTRACT DOCUMENTS.
- THE PROJECT LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR RESTORING (THROUGH PROVISION AND PLACEMENT OF LOAM AND SEED) ANY UNPAVED AREAS OUTSIDE OF THE PROJECT LIMITS OF DISTURBANCE IMPACTED BY CONSTRUCTION OPERATIONS. ANY REQUIRED RESTORATION OUTSIDE THE PROJECT LIMITS OF DISTURBANCE SHALL BE COMPLETED TO THE SATISFACTION OF THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE.
- ANY DAMAGE CAUSED BY THE CONTRACTOR TO EXISTING CURBING, SIDEWALKS, PAVEMENTS, FENCES, OR OTHER SITE FEATURES TO REMAIN IN PLACE SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL EXCESS EXCAVATED PAVEMENTS, CURBING, SIDEWALKS, CURB STOPS, AND OTHER CONSTRUCTION WASTE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS.
- THE CONTRACTOR SHALL MAINTAIN ALL EXCAVATION IN A DRY CONDITION. NO SEPARATE PAYMENT OR ALLOWANCE SHALL BE MADE FOR DEWATERING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENTS FROM DEWATERING OPERATION DISCHARGES THROUGH THE USE OF STILLING BASINS, FILTER FABRIC DEVICES, AND/OR OTHER SUITABLE MEANS AS APPROVED BY THE ENGINEER.
- FILL REQUIRED FOR EMBANKMENTS SHALL CONFORM TO THE REQUIREMENTS FOR ORDINARY BORROW SET FORTH IN SUBSECTION M1.01.0 OF THE MASSDOT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, LATEST EDITION.
- THE CONTRACTOR SHALL PROVIDE CONTINUOUS DUST CONTROL (USING WATER AND/OR CALCIUM CHLORIDE OR OTHER APPROVED METHODS) FOR ALL EARTH STOCKPILES, EARTH PILED ALONG EXCAVATIONS AND SURFACES OF BACK FILLED TRENCHES, IN ACCORDANCE WITH THE MASSDOT STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE ALL REQUIRED NOTICES AND COMPLY WITH ALL PERMITS, LAWS, ORDINANCES, RULES AND REGULATIONS BEARING ON THE CONDUCT OF THE WORK AS DRAWN AND SPECIFIED IN THE CONTRACT DOCUMENTS.
- EXISTING UTILITIES HAVE BEEN PLOTTED FROM BEST AVAILABLE DATA AND ARE APPROXIMATE ONLY. IN ACCORDANCE WITH CURRENT STATE "DIG SAFE" LAWS AND RULES, THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE SYSTEM ELEMENTS AND UTILITIES (BOTH UNDERGROUND AND OVERHEAD) BEFORE ANY EXCAVATION WORK COMMENCE. THE CONTRACTOR IS ADVISED THAT (A) NOT ALL UTILITY PROVIDERS SUBSCRIBE TO THE DIG SAFE PROGRAM, AND (B) IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL POTENTIALLY AFFECTED UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO THE COMMENCEMENT OF WORK. EXCAVATION SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY MUNICIPAL, STATE OR FEDERAL AGENCY OR AUTHORITY HAVING JURISDICTION OVER THE WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD OR UNMARKED UTILITIES (AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY) SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- THE CONTRACTOR IS ADVISED THAT WORK UNDER EXISTING OVERHEAD UTILITIES IS REQUIRED, AND THAT MINIMUM CLEARANCES SHALL BE MAINTAINED AT ALL TIMES IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS. THIS MAY REQUIRE SPECIAL MEANS AND METHODS IN ORDER TO PROPERLY COMPLETE THE WORK. SHOULD THE CONTRACTOR ELECT TO RELOCATE EXISTING OVERHEAD UTILITIES, THEN THE CONTRACTOR SHALL CONDUCT ALL COORDINATION WITH THE AFFECTED UTILITY COMPANIES AND BEAR ALL COSTS ASSOCIATED WITH UTILITY RELOCATIONS NOT INCLUDED IN THE CONTRACT.
- PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION (HORIZONTAL AND VERTICAL) OF ALL EXISTING PIPES AND/OR STRUCTURES WHICH ARE TO BE CONNECTED OR REMOVED. ANY VARIATION FROM THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION, WHEREUPON WORK CAN COMMENCE ONLY UPON THE ENGINEER'S AUTHORIZATION.
- ALL EXISTING PIPE, SUBSURFACE STRUCTURES, PAVEMENTS, EXCESS EXCAVATED MATERIALS AND MISCELLANEOUS MATERIALS REMOVED IN THE COURSE OF UTILITY WORK (INSTALLATION OF DRAINAGE, WATER AND SEWER PIPING, ETC.) SHALL BE LEGALLY DISPOSED OF BY THE CONTRACTOR AT AN OFFSITE LOCATION.
- WHERE UNDERGROUND UTILITY CROSSINGS ARE REQUIRED, AT LEAST TWO (2) TEST PITS SHALL BE DUG TO DETERMINE THE LOCATION/DEPTH AND MATERIAL OF THE EXISTING UTILITY.
- UTILITY SERVICES TO EXISTING BUILDINGS AND FACILITIES SHALL BE MAINTAINED AT ALL TIMES FOR THE DURATION OF CONSTRUCTION.
- THE CONTRACTOR SHALL ADJUST ALL UTILITY BOXES, FRAMES, AND COVERS AS REQUIRED TO MATCH FINISH GRADE.

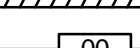
EROSION AND SEDIMENT CONTROL NOTES

- SOIL EROSION AND SEDIMENTATION CONTROL MEASURES TO BE EMPLOYED ON THE PROJECT ARE INDICATED ON THE PLANS. CONTROL MEASURES SHALL BE FURNISHED, INSTALLED, MAINTAINED FOR THE DURATION OF CONSTRUCTION, AND SUBSEQUENTLY REMOVED, ALL IN ACCORDANCE WITH THE MASSDOT STANDARD SPECIFICATIONS, THE LATEST EDITION OF THE MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION (MASSDEP) "EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS," AND ANY SITE-SPECIFIC EROSION AND SEDIMENT CONTROL / POLLUTION PREVENTION PLAN INCLUDED IN THE CONTRACT DOCUMENTS.
- ALL CLEARING, GRADING AND EARTHWORK ACTIVITIES SHALL REMAIN STRICTLY WITHIN THE LIMITS OF DISTURBANCE (LOD) DEPICTED ON THE PLANS AND SHALL BE RESTRICTED TO ACTIVITIES NECESSARY FOR COMPLETION OF THE WORK. THE CONTRACTOR SHALL ENSURE THAT ALL AREAS OUTSIDE THE LIMITS OF DISTURBANCE REMAIN UNDISTURBED AND PROTECTED FROM CONSTRUCTION IMPACTS.
- ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE ROUTINELY INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE MASSDOT STANDARD SPECIFICATIONS, THE MASSDEP EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS, AND THE APPLICABLE CONDITIONS OF ANY REGULATORY/ENVIRONMENTAL PERMITS ISSUED FOR THE PROJECT.
- PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT LOCATIONS AND AREAS SHOWN ON THE PLANS. CLEARING MAY OCCUR PRIOR TO INSTALLATION OF SUCH CONTROLS; HOWEVER NO GRUBBING, GRADING, FILLING, OR OTHER SOIL DISTURBANCE SHALL OCCUR PRIOR TO INSTALLATION.
- PERIMETER EROSION CONTROL BARRIERS (STAKED COMPOST FILTER SOCK, SILT FENCE, OR OTHER DEVICES AS INDICATED) SHALL BE INSTALLED IN CONTINUOUS UNINTERRUPTED RUNS AT THE LOCATIONS INDICATED ON THE PLANS AND MAINTAINED IN EFFECTIVE CONDITION UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED WITH VEGETATION. FOLLOWING SUCCESSFUL STABILIZATION OF DISTURBED AREAS, ALL PERIMETER EROSION CONTROL BARRIERS SHALL BE REMOVED. PRIOR TO REMOVAL OF THE DEVICES, ALL ACCUMULATED SEDIMENT AND DEBRIS TRAPPED BY THE BARRIERS SHALL BE REMOVED AND DISPOSED OF LEGALLY AT A SUITABLE OFFSITE LOCATION.
- THE TOE OF ANY FILL SLOPE IS TO REMAIN AT LEAST ONE (1) FOOT INSIDE OF ALL PERIMETER EROSION CONTROL BARRIERS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR COVER ANY PORTION OF THE EROSION CONTROL MEASURES WITH MATERIAL. ANY MATERIAL THAT IS PLACED ON ANY EROSION CONTROLS BY THE CONTRACTOR (OR ANY AGENT OF THE CONTRACTOR) SHALL BE IMMEDIATELY REMOVED, AND ANY NECESSARY REPAIRS TO THE EROSION CONTROLS SUBSEQUENTLY IMPLEMENTED AT NO COST TO THE OWNER.
- UNTIL VEGETATIVE COVER IS ESTABLISHED AND DISTURBED AREAS ARE FULLY STABILIZED, TRAPPED SEDIMENTS SHALL BE PERIODICALLY REMOVED FROM PERIMETER EROSION CONTROL BARRIERS. AT A MINIMUM, MATERIAL SHALL BE REMOVED ONCE THE DEPTH OF ACCUMULATED SEDIMENT REACHES SIX (6) INCHES OR ONE-HALF THE BARRIER HEIGHT, WHICHEVER IS LESS. ALL REMOVED MATERIAL SHALL BE DISPOSED OF LEGALLY AT A SUITABLE OFFSITE LOCATION.
- ALL MATERIAL STOCKPILES SHALL BE LOCATED WITHIN THE LIMITS OF DISTURBANCE (LOD) DEPICTED ON THE PLANS AND SHALL BE SURROUNDED BY A SECURED PERIMETER OF COMPOST FILTER SOCK.
- ALL EXISTING AND CONSTRUCTED DRAINAGE SYSTEM INLETS SHALL BE PROVIDED WITH INLET PROTECTION DEVICES (FILTER BAGS/SILT SACKS, SANDBAGS, WATTLES, ETC.) AS INDICATED ON THE PLANS. ALL INLET PROTECTION DEVICES SHALL BE INSTALLED, MAINTAINED, AND CLEANED FOR THE DURATION OF CONSTRUCTION AND UNTIL ALL STORMWATER CONTROLS ARE FULLY STABILIZED AND ONLINE, AT WHICH TIME THEY SHALL BE REMOVED.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
- EROSION CONTROL DEVICES SHOULD BE INSPECTED WEEKLY AND AFTER RAINFALL EVENTS EXCEEDING ONE HALF INCH (1/2") IN ANY 24-HOUR PERIOD. WHERE AND WHEN REQUIRED, MAINTENANCE AND REPAIRS SHALL BE COMPLETED WITH 24 HOURS OF THE INSPECTION.
- DENUDED/UNVEGETATED SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF 2 WEEKS OR THROUGH THE INACTIVE WINTER SEASON.
- ALL DISTURBED SLOPES EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15 SHALL BE SEED OR PROTECTED BY THAT DATE FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION YEAR.
- TEMPORARY SURFACE STABILIZATION TREATMENTS SHALL CONSIST OF A HAY, STRAW, OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS FIBER MESH, EROSION CONTROL BLANKETS, OR OTHER MATTING. THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS DIRECTED BY THE ENGINEER. HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3,000-4,000 POUNDS PER ACRE (1.9-2.5 POUNDS PER SQUARE YARD). IF NEEDED, TEMPORARY SEEDING (PROVIDED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS AND EROSION AND SEDIMENT CONTROL GUIDANCE) MAY BE EMPLOYED TO FURTHER MINIMIZE EROSION.
- TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE, FREE OF SUBSOIL, STONES, ROCKS, ROOTS, BRUSH, REFUSE, CONSTRUCTION DEBRIS AND OTHER DELETERIOUS MATERIALS AND SHALL CONFORM TO SUBSECTION M1.05.0 OF THE MASSDOT STANDARD SPECIFICATIONS.
- THE SEEDING MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
- THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING AND BE APPLIED AT A SEEDING RATE OF 100 POUNDS PER ACRE:

COMPONENT	% BY WEIGHT
RED FESCUE	70
KENTUCKY BLUEGRASS	15
COLONIAL BENTGRASS	5
PERENNIAL RYEGRASS	10
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1 - JUNE 1 AND AUGUST 15 - OCTOBER 15.
- STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 14 DAYS OF FINAL GRADING. PLANTING OF GRASS SHALL BE ACCOMPLISHED BY THE CONTRACTOR AS EARLY AS POSSIBLE UPON COMPLETION OF GRADING AND CONSTRUCTION.
- THE CONTRACTOR MUST REPAIR AND OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE (1) CALENDAR YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER.

LEGEND

-  ADJUST FRAME AND COVER
-  ADJUST FRAME AND GRATE
-  ADJUST GAS GATE
-  ADJUST WATER GATE
-  NEW BITUMINOUS BERM
-  CATCH BASIN INLET PROTECTION
-  CLEAN CATCH BASIN
-  CLEAN & FLUSH PIPE
-  COMPOST FILTER SOCK
-  SAWCUT & MATCH PAVEMENT
-  CLEAN MANHOLE
-  CARRIER PLATFORM RAMP
-  NEW CONCRETE SLAB
-  REMOVE & DISPOSE BITUMINOUS BERM
-  REMOVE & DISPOSE FLEXIBLE PAVEMENT
-  REMOVE & DISPOSE SIDEWALK
-  REMOVE & DISPOSE TRENCH DRAIN
-  INTEGRATED CONCRETE CURB / WALK
-  NEW CONCRETE SIDEWALK
-  NEW PAVEMENT STRUCTURE
-  RECYCLE FLEXIBLE PAVEMENT FOR SUBBASE
-  TRAFFIC FLOW ARROW (SEE DETAIL)
-  LIMIT OF DISTURBANCE
-  WHEEL CHAIR RAMP
-  4" YELLOW STRIPE
-  CUT AND MATCH
-  PROPOSED GRADE
-  PROPOSED SPOT GRADE

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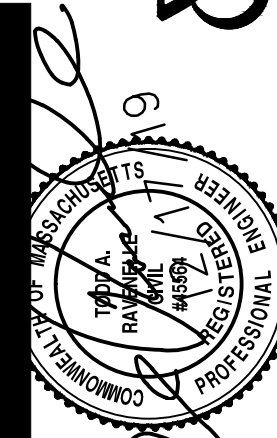
C1.05 NOTES AND LEGEND

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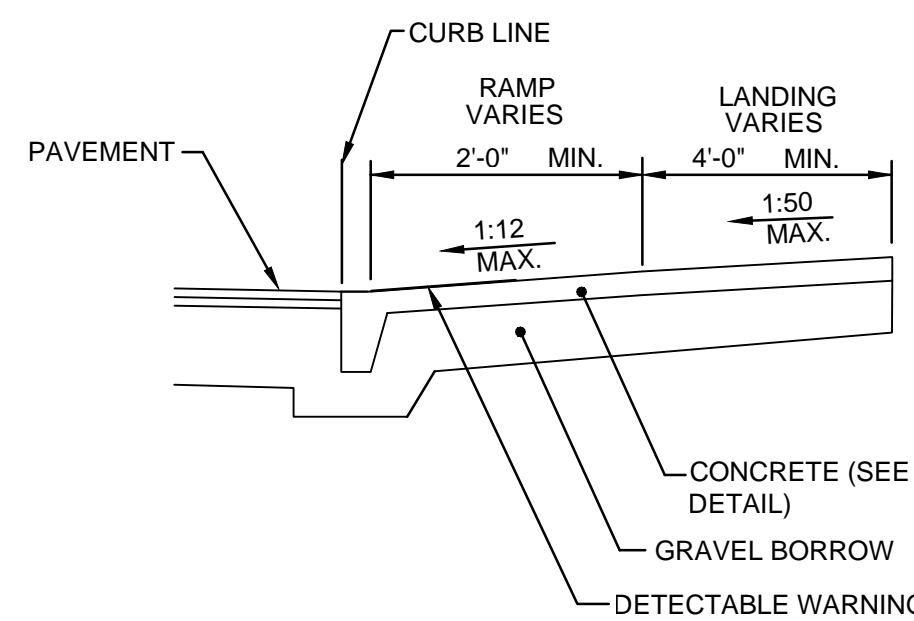
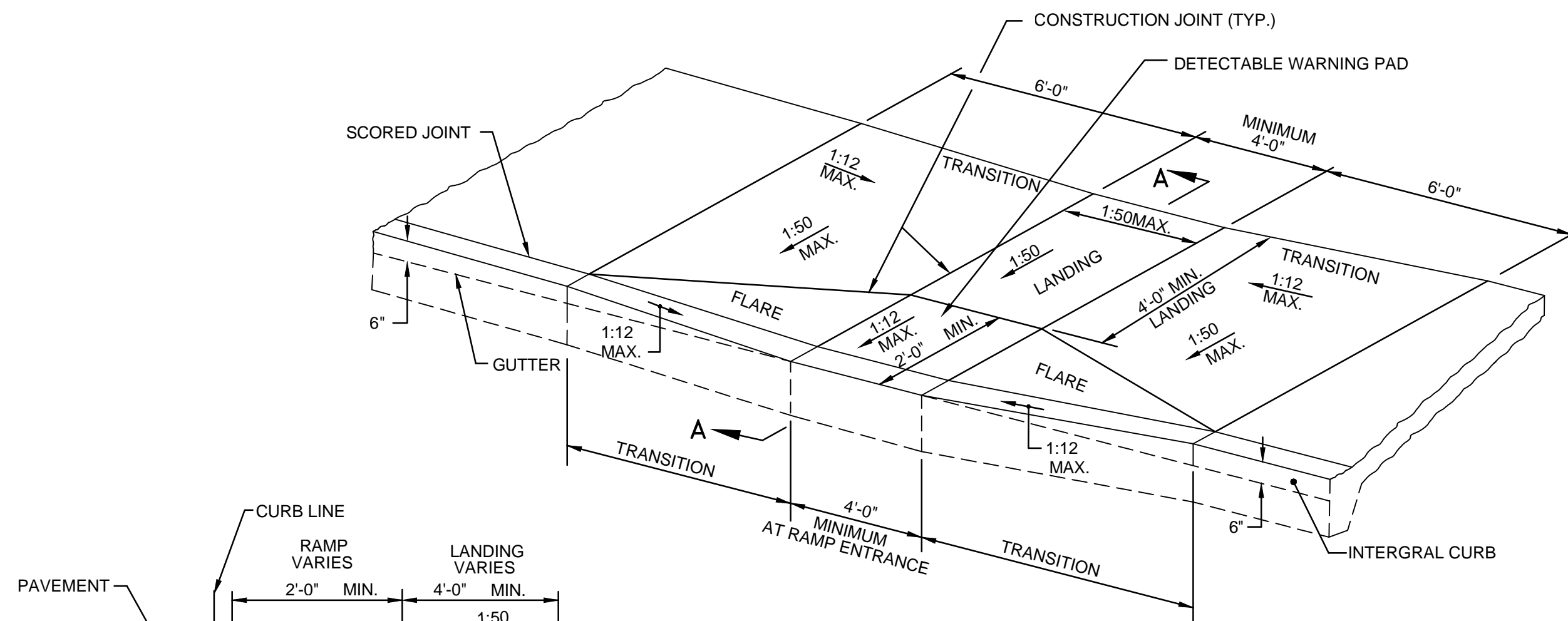
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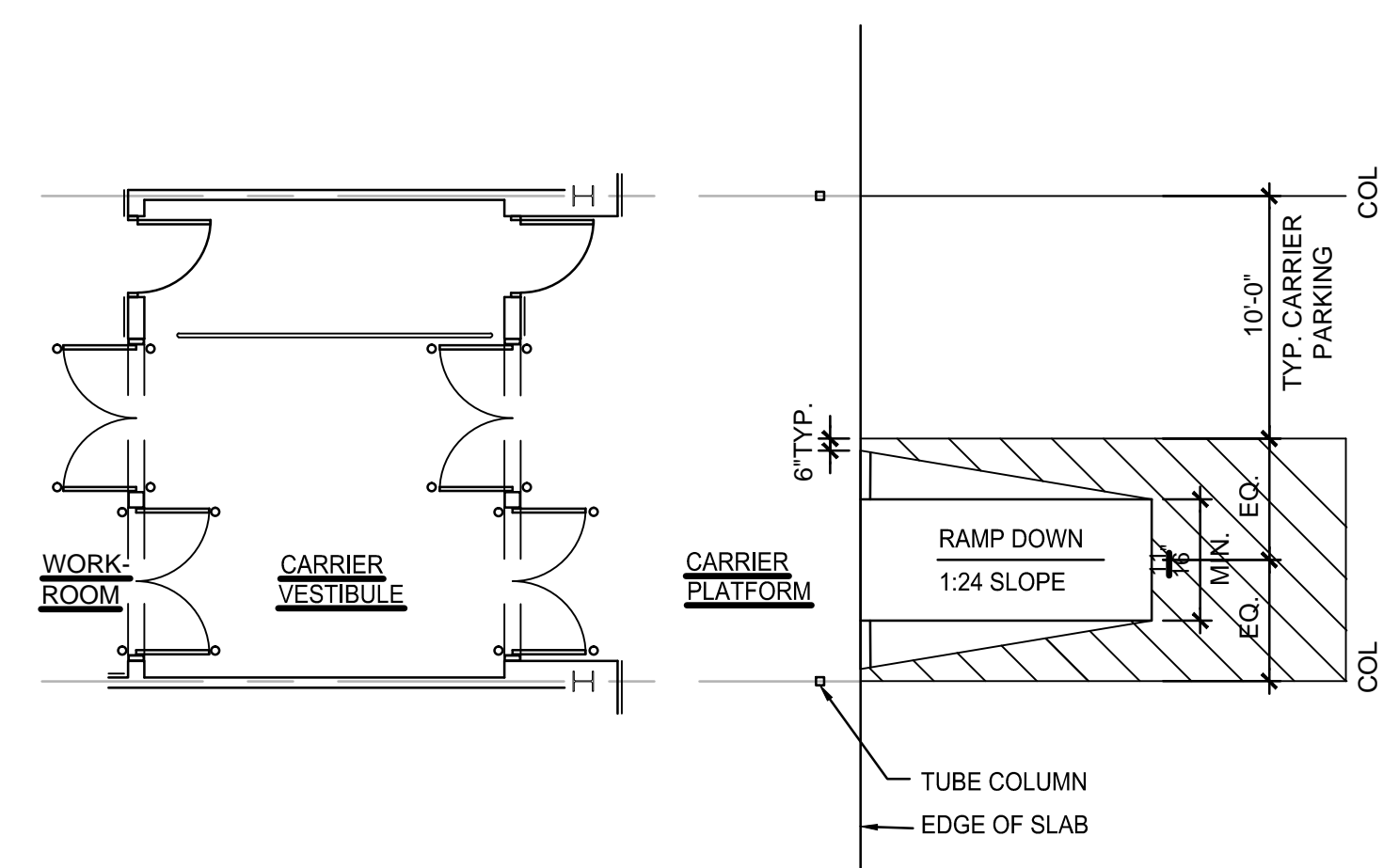


**ISOMETRIC VIEW**  
NOT TO SCALE

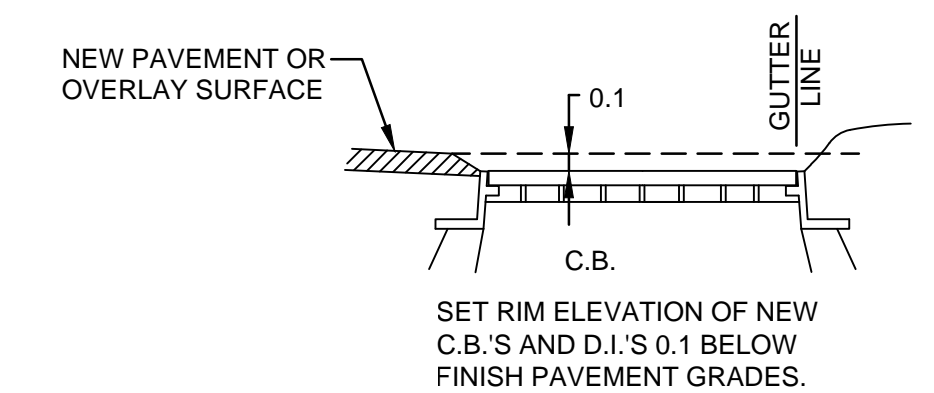
1. LOCATION OF WHEELCHAIR RAMPS IS AS SHOWN ON CONTRACT DRAWINGS.
2. IN NO INSTANCE SHALL THE SIDEWALK CROSS SLOPE EXCEED 1:50 EXCEPT WITHIN THE RAMP AREA.
3. AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 4'-0" SHALL BE MAINTAINED.
4. THE WHEELCHAIR RAMP SLOPE AND SIDE SLOPES (TRANSITIONS), MUST NOT EXCEED 1:12. HOWEVER, THESE SLOPES MAY BE FLATTER THAN 1:12 WHEN WARRANTED BY SURROUNDING CONDITIONS.
5. THE ENTRANCE OF THE WHEELCHAIR RAMP SHALL BE FLUSH WITH THE ROADWAY.

**SECTION A-A**  
NOT TO SCALE

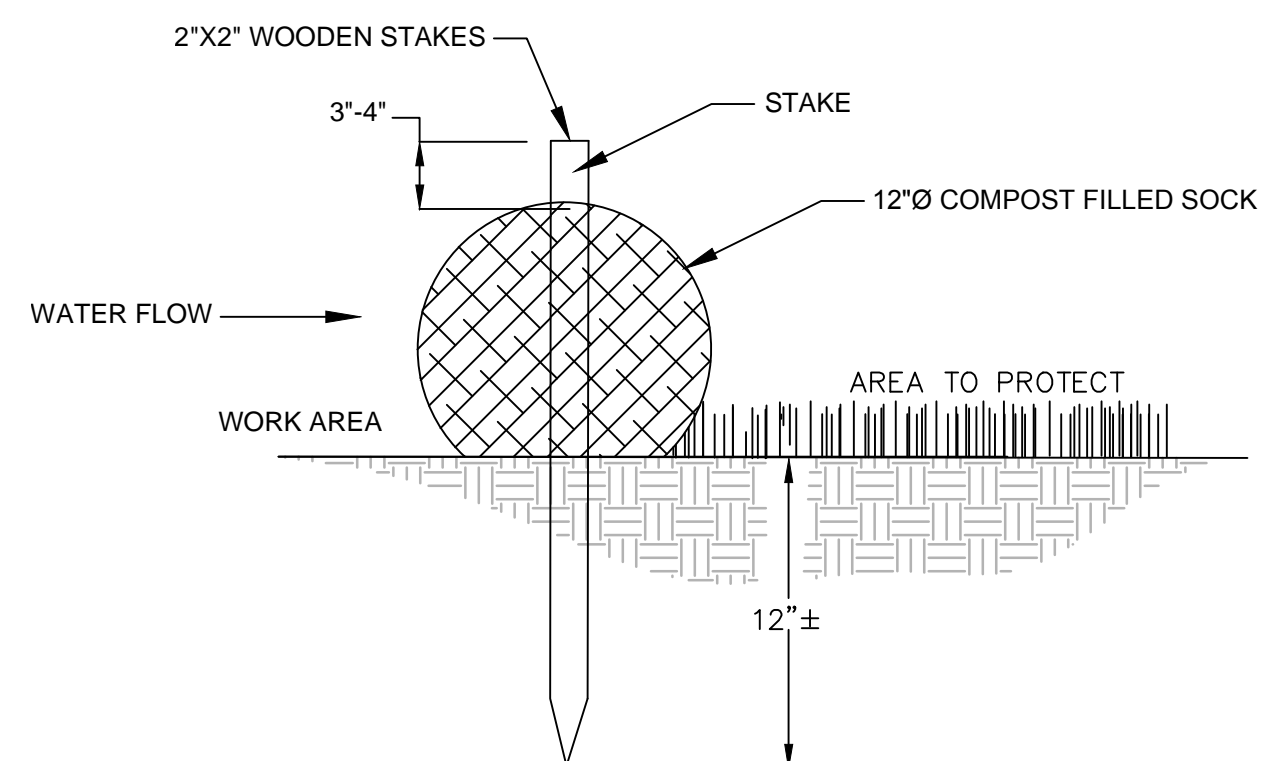
**WHEELCHAIR RAMP DETAIL (WCR)**  
NOT TO SCALE



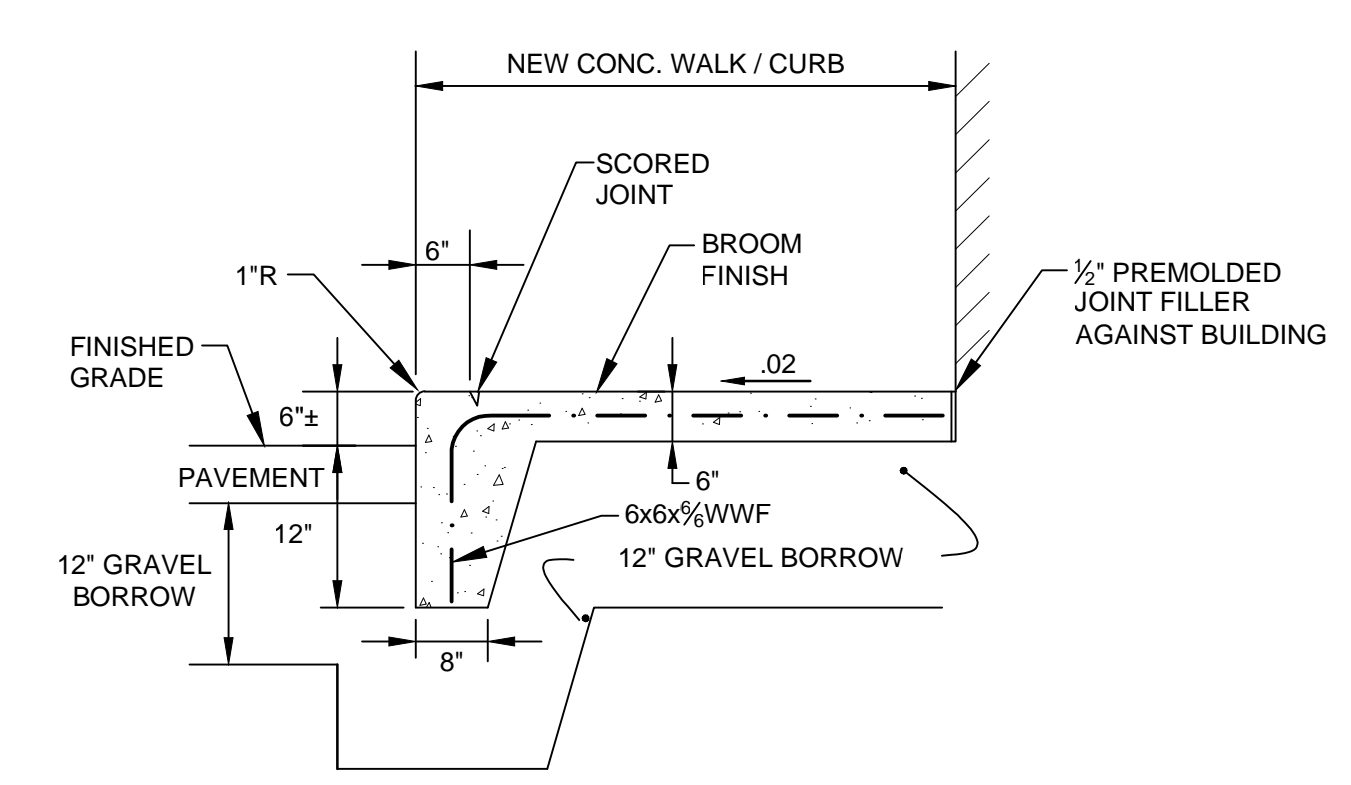
**CARRIER PLATFORM RAMP (CPR)**  
NOT TO SCALE



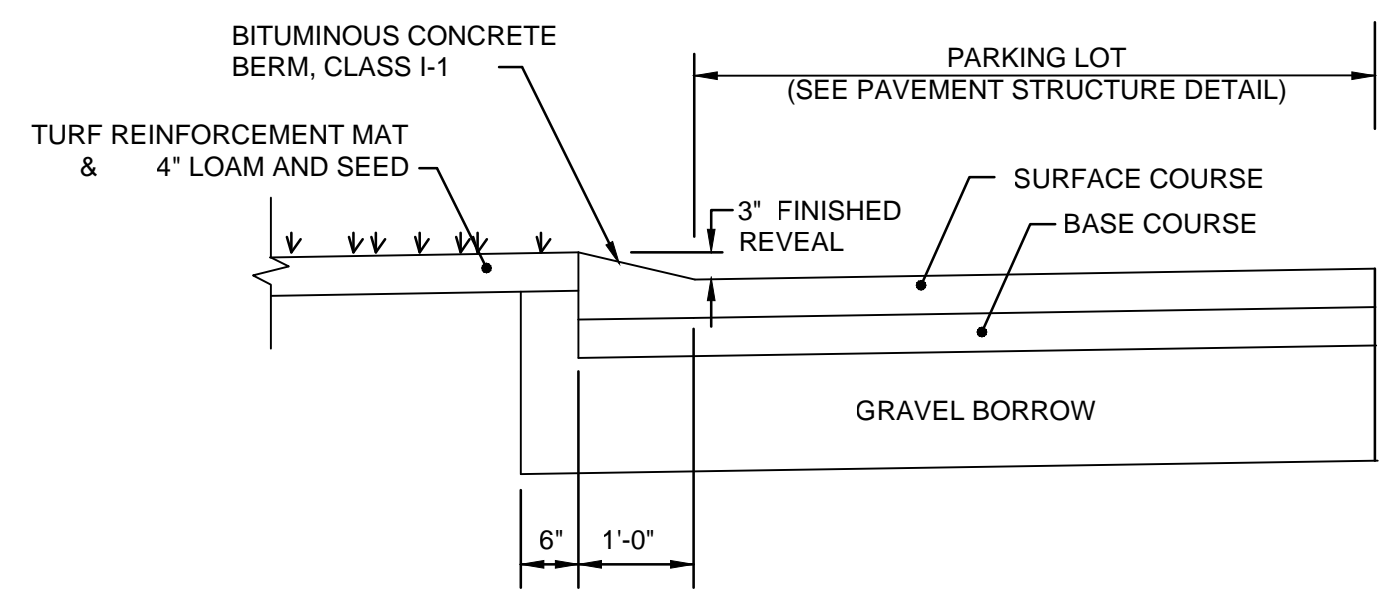
**C.B. RIM ELEVATION DETAIL**  
NOT TO SCALE



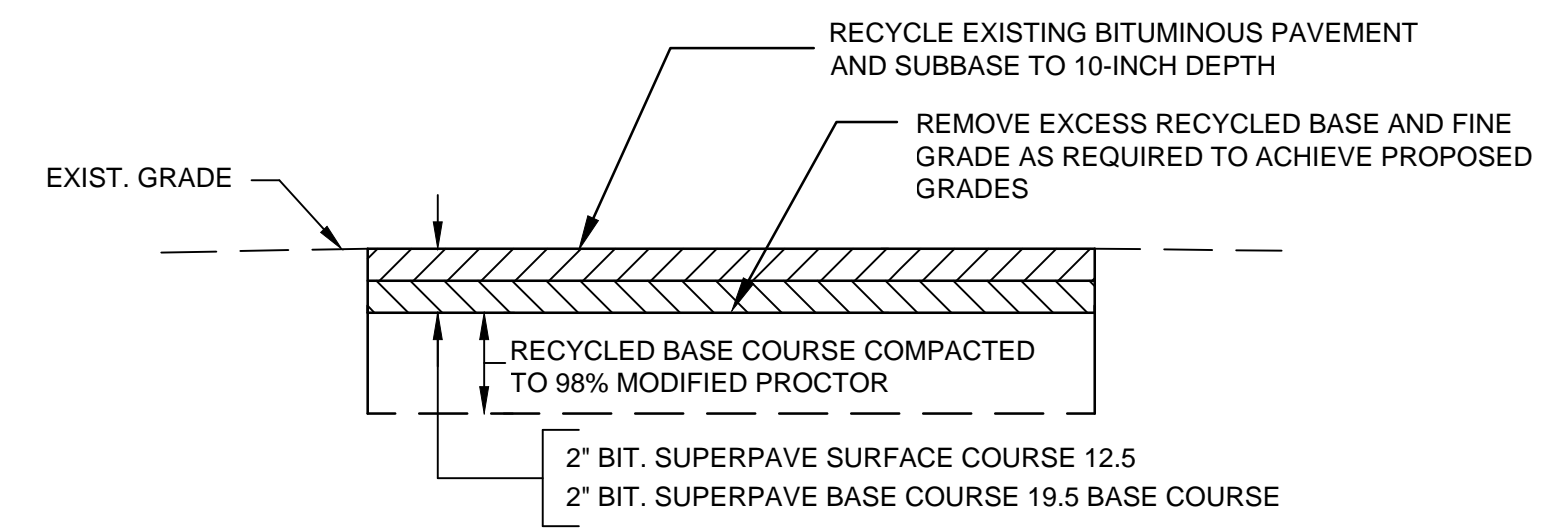
**COMPOST FILTER SOCK (CFS)**  
NOT TO SCALE



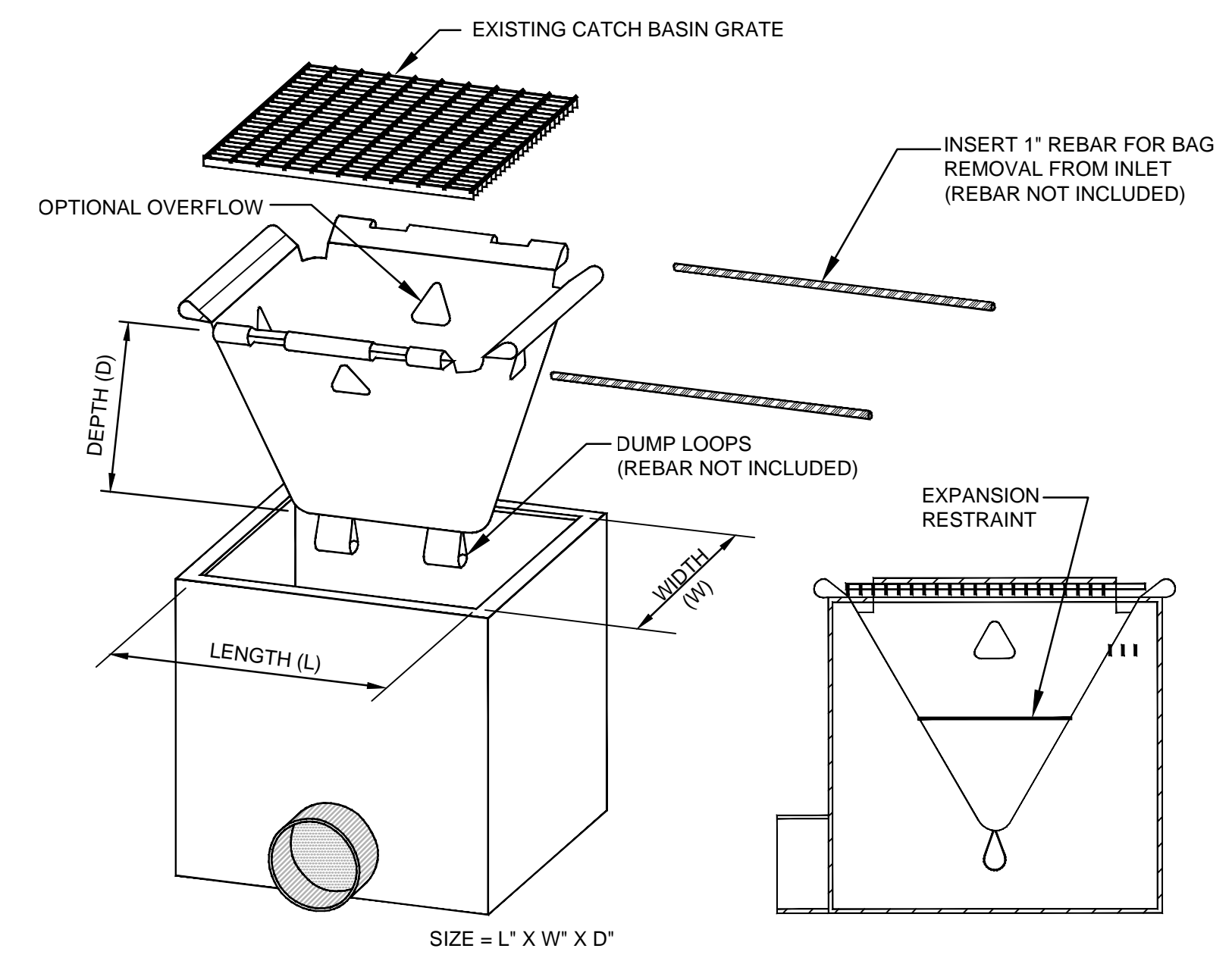
**INTERGRAL CONCRETE CURB / WALK**  
NOT TO SCALE



**BITUMINOUS BERM DETAIL**  
NOT TO SCALE



**PAVEMENT STRUCTURE (NPS)**  
NOT TO SCALE



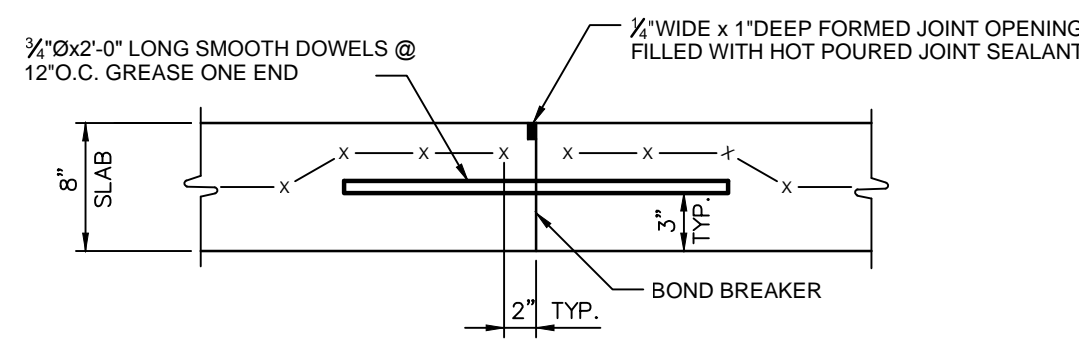
**CATCH BASIN INLET PROTECTION (CBP)**  
NOT TO SCALE

© Copyright 1997, United States Postal Service  
**McKinnell & Taylor Inc.**  
 ARCHITECTS-ENGINEERS-PLANNERS  
 SUITE 201  
 164 WASHINGTON STREET  
 FAIRHAVEN, MASSACHUSETTS 01923  
 PHONE: (781) 878-8923  
 FAX: (781) 878-8920

**PAVING**  
 CARRIER ANNEX  
 4 PEQUOD ROAD  
 FAIRHAVEN, MA 02719

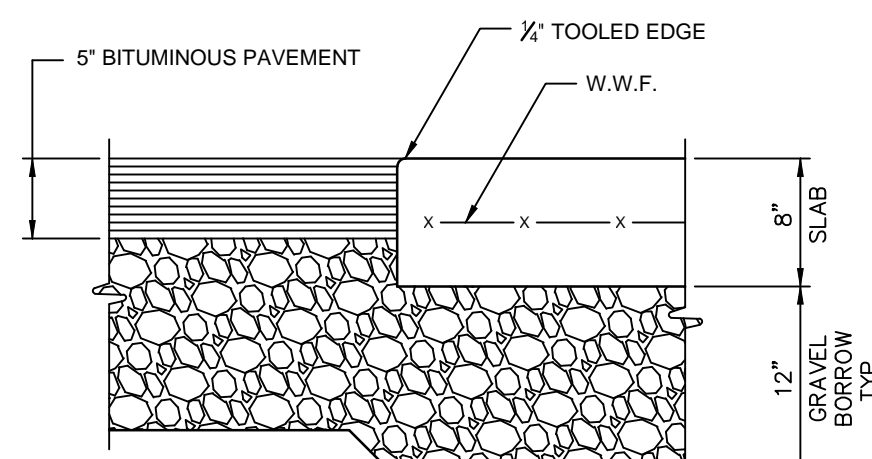
**UNITED STATES POSTAL SERVICE**  
 Windsor Facilities Service Office, 6 Griffin Road North, Windsor, CT 06096-0300

**C1.06 DETAILS - 1**  
 SCALE: AS NOTED DATE: 12/17/19  
 A/E PROJECT NO.: 19033.00  
 USPS PROJECT NO.: B35638  
 REVISIONS: DATE:  
 GORDON R. ARCHIBALD, INC.  
 Civil and Environmental Engineers  
 Pawtucket, Rhode Island

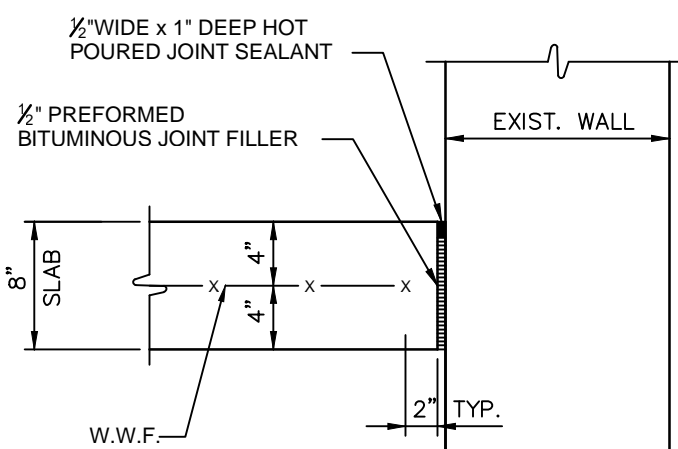


**TYPICAL CONSTRUCTION JOINT DETAIL**

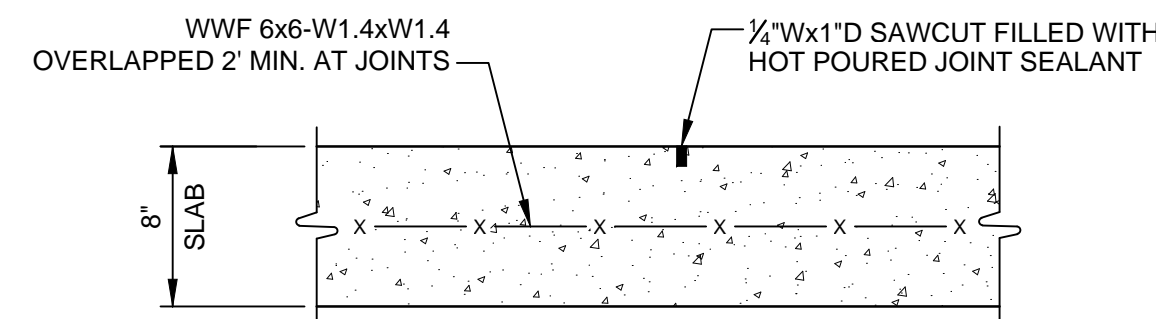
SECTION 1  
NOT TO SCALE



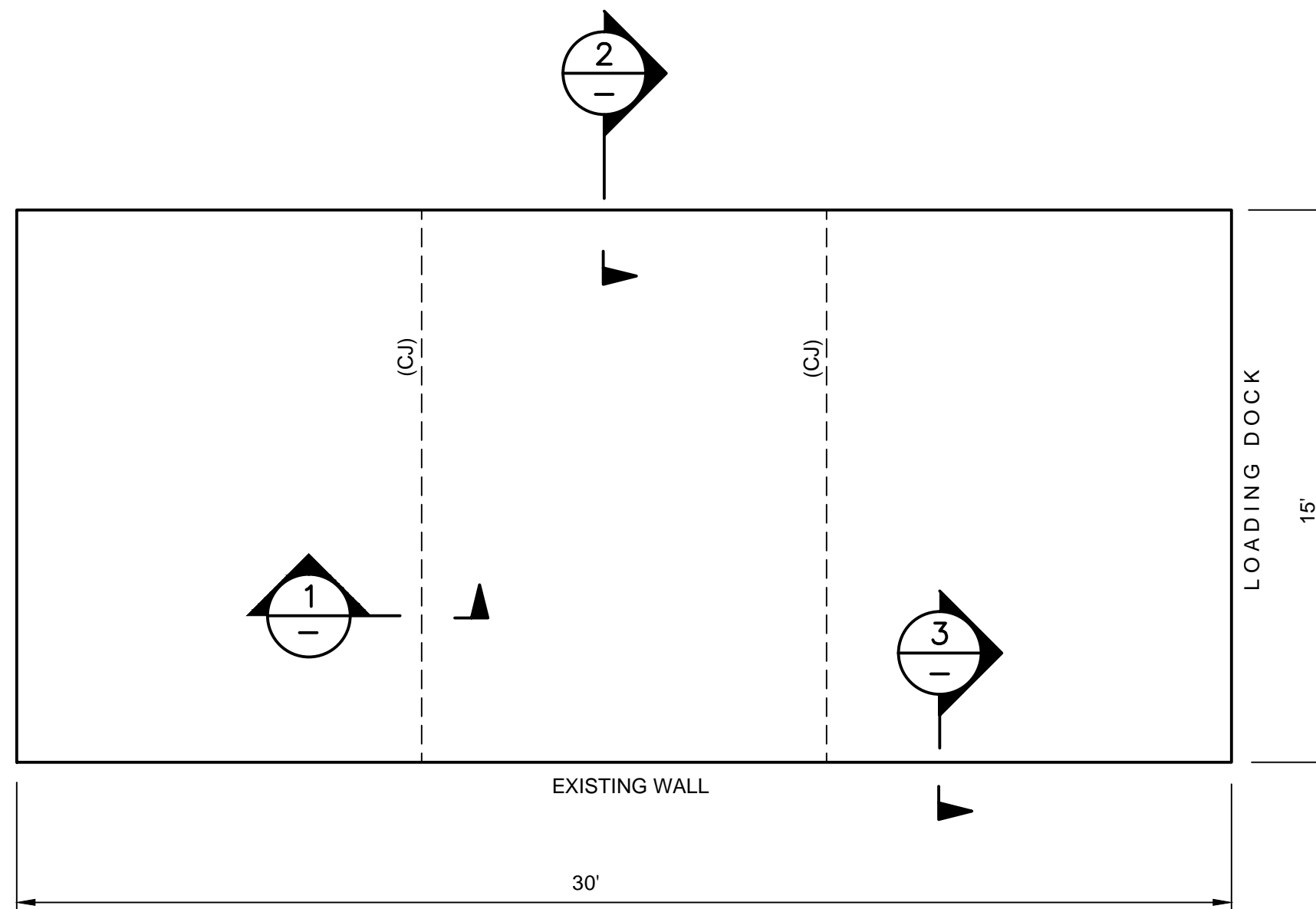
SECTION 2  
NOT TO SCALE



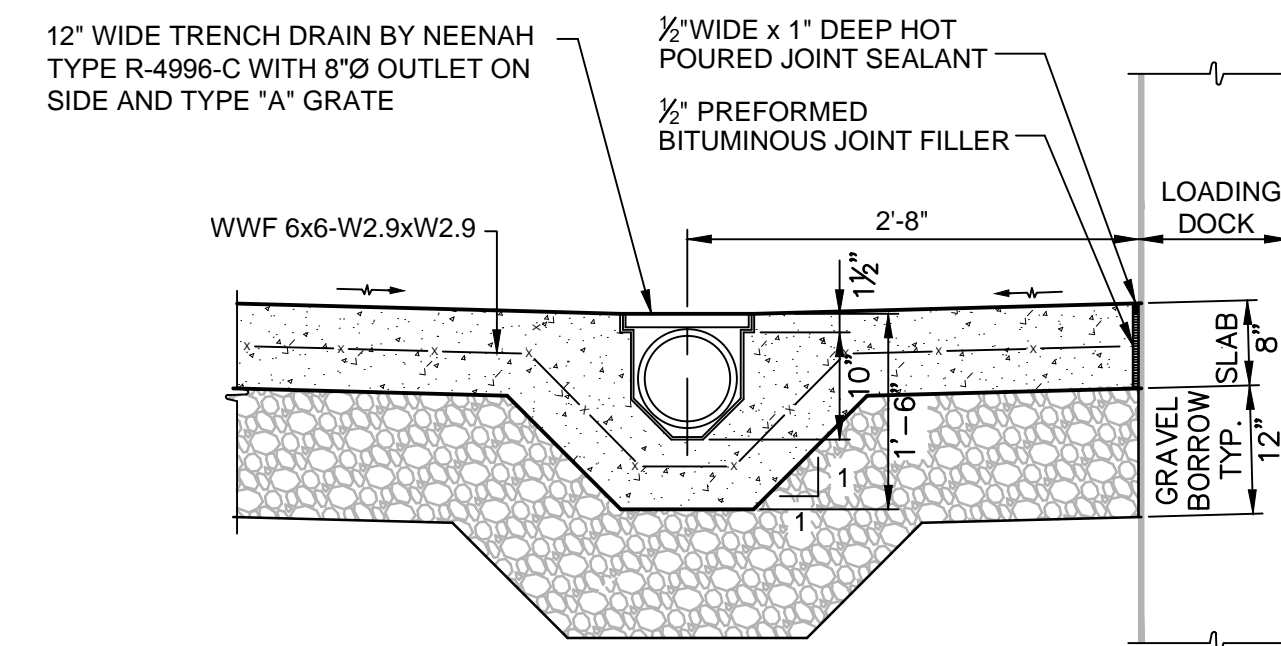
SECTION 3  
NOT TO SCALE



**(SJ) SAWCUT JOINT DETAIL**  
NOT TO SCALE



**CONCRETE SLAB**  
NOT TO SCALE

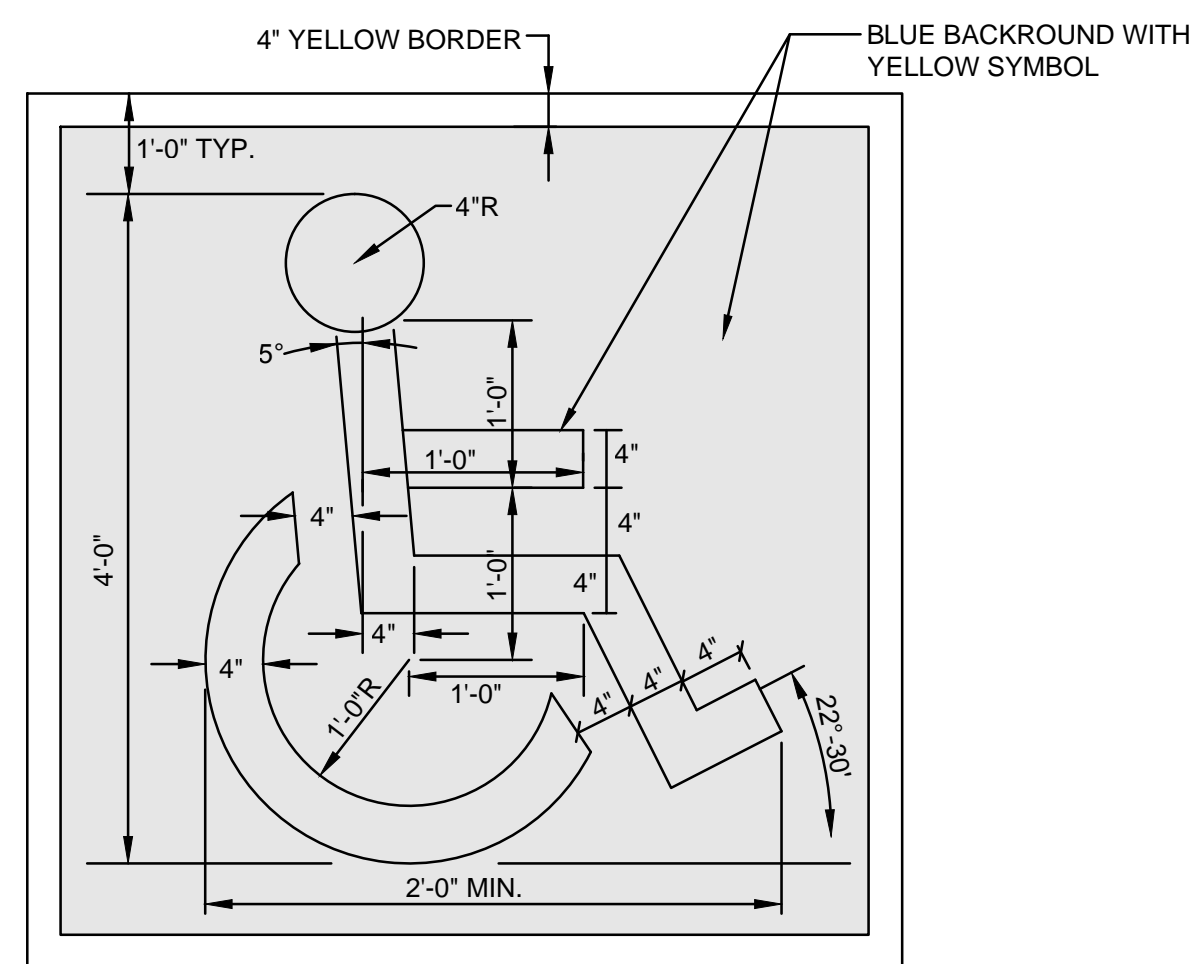


**TRENCH DRAIN SECTION**  
NOT TO SCALE

SIGNAGE, AS REQ'D  
LOCATE SIGN AWAY FROM CURB AND NOT  
OBSTRUCTING THE ACCESSIBLE ROUTE

**CONCRETE SLAB NOTES:**

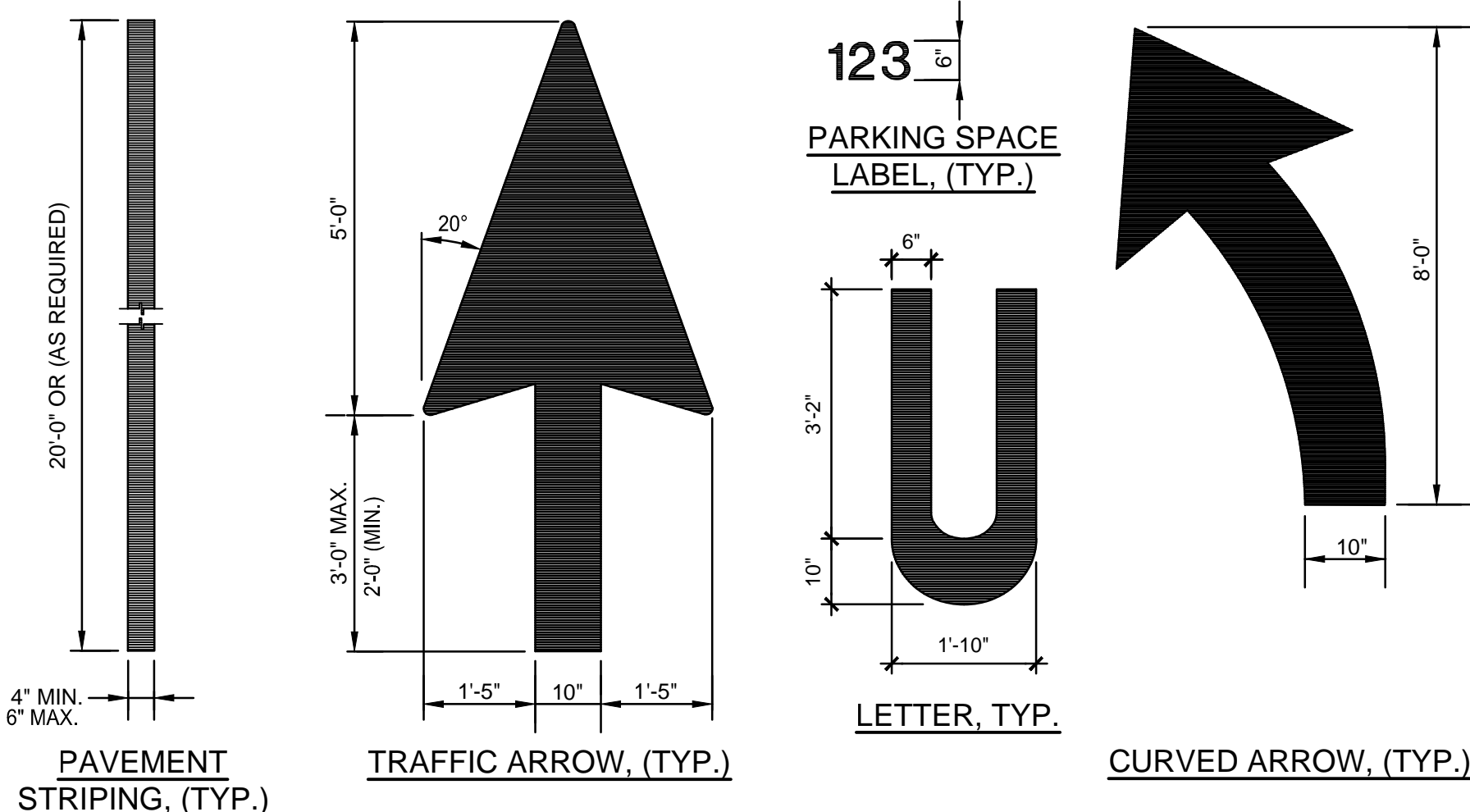
- ALL WORK SHALL CONFORM TO LATEST EDITION OF THE MASSACHUSETTS STATE BUILDING CODE REQUIREMENTS AND ITS APPLICABLE REFERENCED STANDARDS, UNLESS OTHERWISE NOTED.
- GRAVEL BORROW SHALL BE 12" THICK MINIMUM THROUGHOUT ENTIRE LIMITS OF SLAB AND SHALL BE COMPACTED IN 8" LIFTS TO A MINIMUM OF 95% MODIFIED PROCTOR IN ACCORDANCE WITH ASTM D1557. GRAVEL BORROW SHALL CONSIST OF GRANULAR SOIL FREE OF WATER AND ORGANIC MATTER.
- CONCRETE FOR THE SLAB SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5,000 PSI AT 28 DAYS.
- ALL DOWELS SHALL BE GRADE 60, CONFORMING TO AASHTO M31 (ASTM A615) AND SHALL BE EPOXY COATED IN CONFORMANCE WITH AASHTO M284 (ASTM D3963).
- WELDED WIRE FABRIC (W.W.F.) SHALL BE 6x6-W2.9xW2.9 AND SHALL CONFORM TO AASHTO M65 (ASTM A185). FABRIC SHALL BE OVERLAPPED 2 FEET MINIMUM AT FABRIC JOINTS.
- HOT POURED JOINT SEALANT SHALL CONFORM TO AASHTO M173 (ASTM D1190).
- PREFORMED BITUMINOUS JOINT FILLER SHALL CONFORM TO AASHTO M33 (ASTM D994).
- PREFORMED POLYETHYLENE FOAM JOINT FILLER SHALL CONFORM TO THE MASSACHUSETTS SPECIFICATION, LATEST ADDITION.
- JOINTS IN CONCRETE SLAB DESIGNATED TO BE SAW CUT SHALL BE DONE SO BETWEEN 4 AND 24 HOURS OF POURING SLAB.
- SLAB SHALL RECEIVE A BROOM FINISH.



**PAINTED HANDICAP SYMBOL**  
NOT TO SCALE

**CEMENT CONCRETE WALKS**

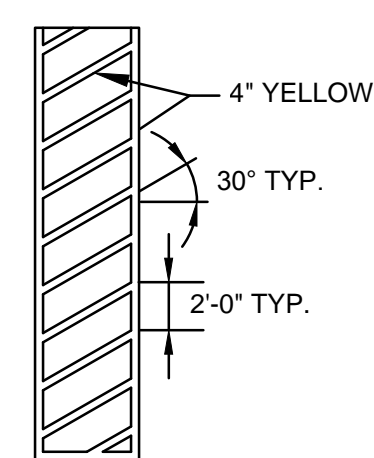
- ALL WORK SHALL CONFORM TO LATEST EDITION OF THE MASSACHUSETTS STATE BUILDING CODE REQUIREMENTS AND ITS APPLICABLE REFERENCE STANDARDS, UNLESS OTHERWISE NOTED.
- THE SURFACE SHALL BE FINISHED WITH A WOODEN FLOAT AND BROOM FINISHED. NO PLASTERING OF THE SURFACE WILL BE PERMITTED. ALL OUTSIDE EDGES OF THE SLAB AND ALL JOINTS SHALL BE EDGED WITH A 1/4 INCH RADIUS EDGING TOOL.
- EXPANSION JOINTS SHALL BE FILLED WITH AN APPROVED TYPE OF PREMOULDED EXPANSION JOINT FILLER. THESE DUMMY JOINTS SHALL EXTEND INTO THE CONCRETE FOR AT LEAST 1/3 OF THE DEPTH AND SHALL BE APPROXIMATELY 1/8 INCH WIDE. AT NO TIME SHALL THE DISTANCE BETWEEN TRANSVERSE AND/OR LONGITUDINAL DUMMY JOINTS EXCEED 5 FEET.
- CONSTRUCTION JOINTS SHALL BE FORMED AROUND ALL APPURTENANCES SUCH AS MANHOLES, UTILITY POLES, ETC. EXTENDING INTO AND THROUGH THE SIDEWALK. PREMOULDED EXPANSION JOINT FILLER 1/4 INCH THICK SHALL BE INSTALLED IN THESE JOINTS. EXPANSION JOINTS SHALL BE PLACED EVERY 20 FEET. THE FORCING OF PREMOULDED EXPANSION JOINT FILLER INTO FRESHLY PLACED CONCRETE WILL NOT BE ALLOWED.
- EXPANSION JOINT FILLER SHALL BE INSTALLED BETWEEN CONCRETE SIDEWALKS AND ANY FIXED, SMOOTH STRUCTURE SUCH AS A BUILDING OR STAIRWAY. THIS EXPANSION JOINT MATERIAL SHALL EXTEND FOR THE FULL DEPTH OF THE WALK. IF THE SIDEWALK ABUTS AN IRREGULAR WALL, FOUNDATION OR STATIONARY OBJECT, THE EXPANSION JOINT FILLER SHALL BE PLACED 4 INCHES FROM THE IRREGULAR SURFACE AND CONCRETE PLACED BETWEEN THE IRREGULAR SURFACE AND THE EXPANSION JOINT MATERIAL.
- CONCRETE SHALL BE CURED FOR AT LEAST 72 HOURS. DURING THE CURING PERIOD ALL TRAFFIC, BOTH PEDESTRIAN AND VEHICULAR, SHALL BE EXCLUDED.
- CONCRETE FOR WALKWAYS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
- PREMOULDED EXPANSION JOINT FILLER SHALL BE AASHTO M153 TYPE II; EXPANDED RUBBER SPECIFICATION ASTM D1056, TYPE 2C2; OR AASHTO M33 AND M213.



**NOTES:**

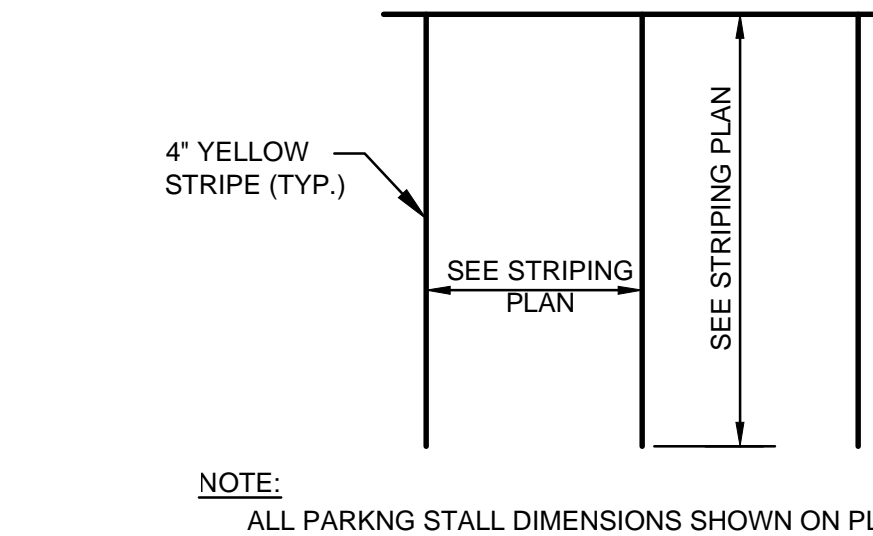
- THE SPACING OF THE PAVEMENT MARKINGS WILL BE AS SHOWN ON THE PLAN
- SYMBOLS SHALL MEET THE REQUIREMENTS OF THE FHWA STANDARD ALPHABET AND SYMBOLS FOR HIGHWAY PAVEMENT MARKINGS.
- USE NON-REFLECTIVE YELLOW PAINT.

**PAVEMENT MARKINGS - TYPICAL PAINTED SIGNAGE**  
NOT TO SCALE

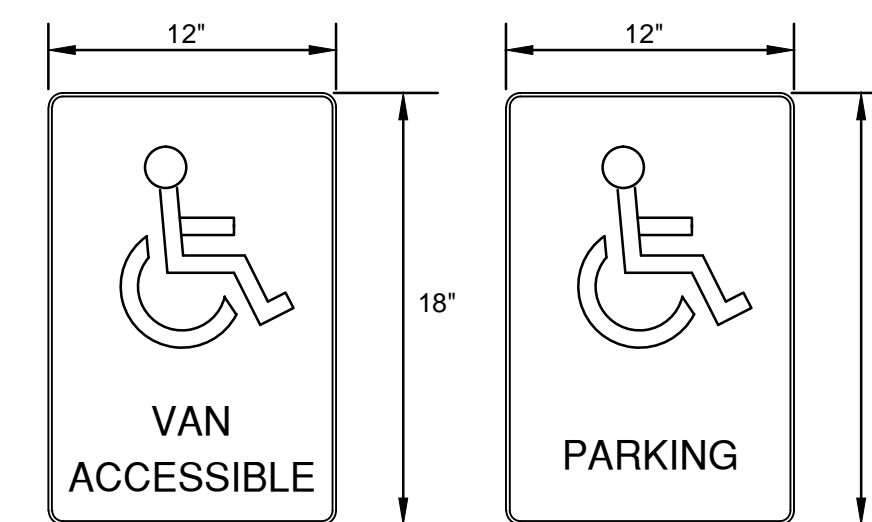


**PAINTED HATCH DETAIL**  
NOT TO SCALE

NOTE:  
ALL PARKING AREA STRIPING  
SHALL BE 4" WIDE YELLOW  
UNLESS LABELED OTHERWISE.



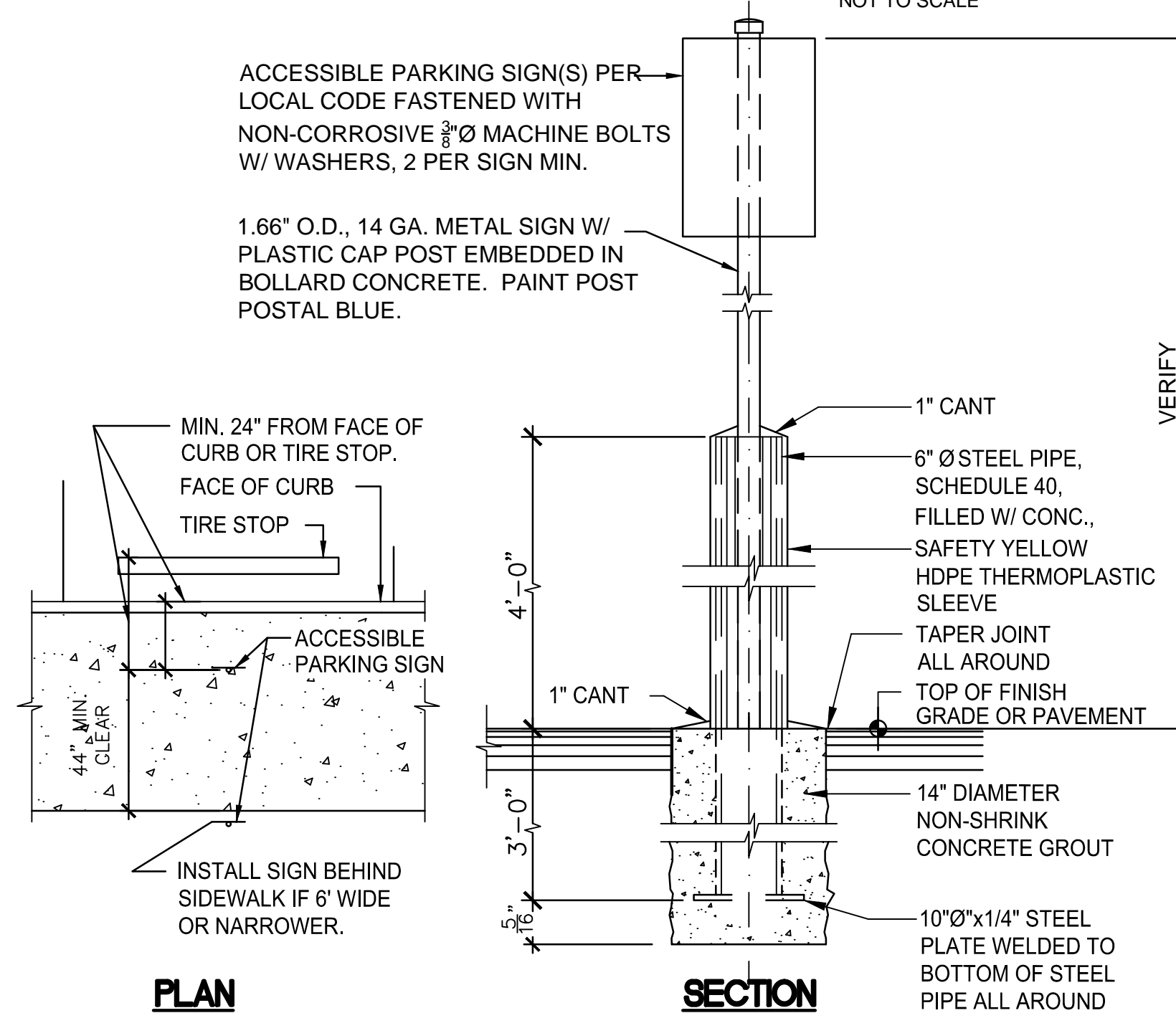
**STANDARD PARKING SPACE DETAIL**  
NOT TO SCALE



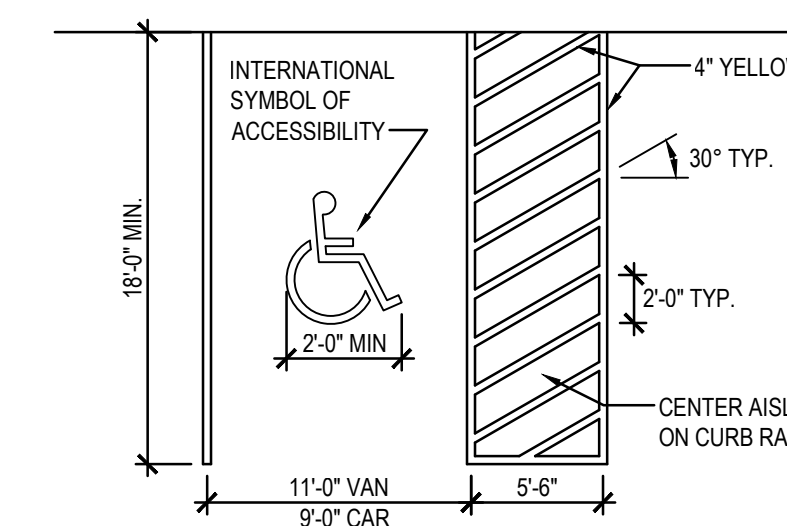
NOTE:  
WHITE LEGEND ON BLUE BACKGROUND

**HANDICAP PARKING SIGNS**  
NOT TO SCALE

ACCESSIBLE PARKING SIGN(S) PER  
LOCAL CODE FASTENED WITH  
NON-CORROSIVE 3/8" DIA MACHINE BOLTS  
W/ WASHERS, 2 PER SIGN MIN.  
1.66" O.D., 14 GA. METAL SIGN W/  
PLASTIC CAP POST EMBEDDED IN  
BOLLARD CONCRETE. PAINT POST  
POSTAL BLUE.

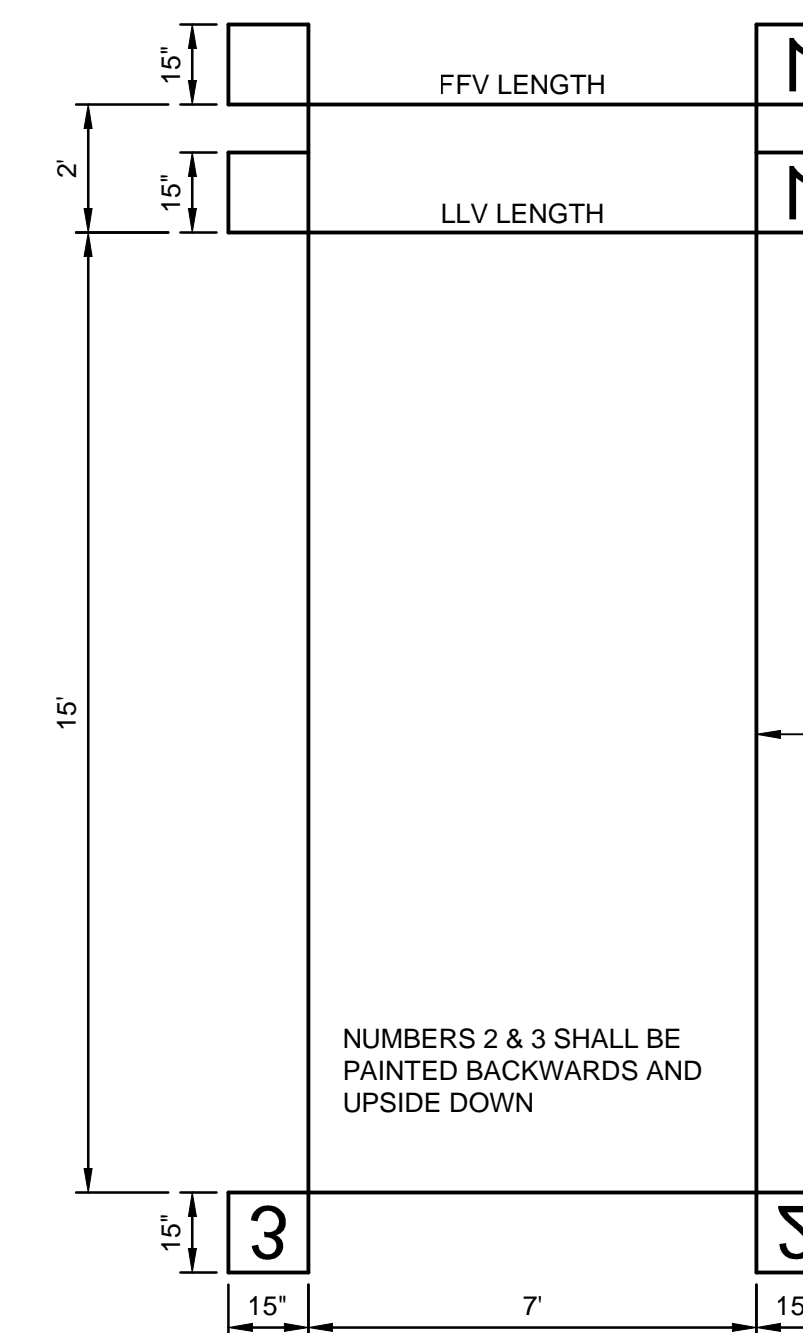


**ACCESSIBLE PARKING SIGN /BOLLARD**  
N.T.S.



NOTE:  
ALL STRIPING SHALL BE YELLOW

**ACCESSIBLE PARKING SPACE AND AISLE**  
NOT TO SCALE

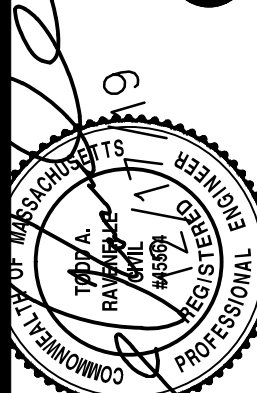


**MIRROR ADJUSTMENT STATION**  
NOT TO SCALE



**Gordon R. Archibald, Inc.**  
Civil and Environmental Engineers  
Pawtucket, Rhode Island

ARCHITECTS-ENGINEERS-PLANNERS  
SUITE 201  
164 WASHINGTON STREET  
FAIRHAVEN, MA 01906-8223  
PHONE: (781) 878-8820  
FAX: (781) 878-8820



PAVING  
CARRIER ANNEX  
4 PEQUOD ROAD  
FAIRHAVEN, MA 02719

**UNITED STATES  
POSTAL SERVICE**

Windsor Facilities Service Office, 6 Griffin Road North, Windsor, CT 06096-0300  
DATE: 12/17/19  
REVISIONS:  
DATE: 12/17/19  
SCALE: AS NOTED  
A/E PROJECT NO.: 19033.00  
USPS PROJECT NO.: B35638



**Ecosystem Solutions, Inc.**  
P.O. Box 469/ 24 Kenmore St.  
West Warwick, RI 02893

**Request for Determination of Applicability  
40 Wapatma Lane / Map 29, Lot 29  
Fairhaven, Massachusetts**



Prepared for: Martha Tichon  
40 Wapatma Lane  
Fairhaven, MA 02719



# 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:

Ecosystem Solutions Inc.	_____		_____
Name			brandon@esi-env.com
PO Box 1293	_____		E-Mail Address
Mailing Address			
West Warwick	RI	02893	
City/Town	State	Zip Code	
(401) 741-3263	N/A		
Phone Number	_____		Fax Number (if applicable)

2. Representative (if any):

Ecosystem Solutions Inc.	_____		_____
Firm			brandon@esi-env.com
Brandon Faneuf	_____		E-Mail Address
Contact Name			
PO Box 1293	_____		
Mailing Address			
West Warwick	RI	02893	
City/Town	State	Zip Code	
(401) 741-3263	N/A		
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).





# 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):

40 Wapatma Lane

Street Address

29

Assessors Map/Plat Number

Fairhaven

City/Town

29

Parcel/Lot Number

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

Pre existing, historic horse paddock located to north of Wapatma Lane. Active dairy farm to south of Wapatma Lane.

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

Title

Date

Title

Date

Title

Date

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

Re-adjust fence to allow for 25" setback from wetlands. Create 12" soil berm to prevent agricultural runoff entering said wetlands.



## WPA Form 1- Request for Determination of Applicability

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

### C. Project Description (cont.)

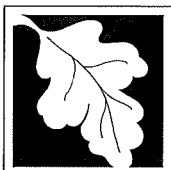
b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

310 CMR 10.02 (2)(b)(2)(b) fencing exemption

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.)



# 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:

Martha Tichon  
 Name  
 40 Wapatma Lane  
 Mailing Address  
 Fairhaven  
 City/Town  
 Massachusetts  
 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.

*Erin Tichon*  
 Signature of Applicant  
 Date 12/11/19

\_\_\_\_\_  
 Signature of Representative (if any)      Date

**40 WAPATMA LANE  
100 FT ABUTTERS**

<u>MAP/LOT</u>	<u>PROPERTY ADDRESS</u>	<u>OWNER ON RECORD</u>	<u>OWNER ADDRESS</u>	<u>CITY/TOWN</u>	<u>STATE</u>	<u>ZIP</u>
41-069	506 SCONTICUT NECK RD	BROWN JUDY L	506 SCONTICUT NECK RD	FAIRHAVEN	MA	02719
41-008	SCONTICUT NECK RD	VIVEIROS MARK A	21 GRANDVIEW AVE	FAIRHAVEN	MA	02719
41-008C	WINDSWEPT DRIVE	MEDEIROS CAROL L	47 GILBERT STREET	FAIRHAVEN	MA	02719
41-008A	101 110 WINDSWEPT DR	BLUHM CAROLYN AS TRUSTEE OF THE SEA SPACE TRUST	103 WINDSWEPT DR	FAIRHAVEN	MA	02719
29-004A	502 SCONTICUT NECK RD	TAKAKJIAN ERIC J & LORI A	502 SCONTICUT NECK RD	FAIRHAVEN	MA	02719
29-030	80 WAPATMA LANE	KLINKA DARRYL W & TARA M	80 WAPATMA LANE	FAIRHAVEN	MA	02719
29-033	WIDEMARSH BEACH	WIDEMARSH BEACH ASSOC C/O DANIEL L COLE	8 HEATHER LANE	CANTON	MA	02021
29-034	1 DIAMOND STREET	SILVA EDWARD W	16 SCONTICUT NECK RD #225	FAIRHAVEN	MA	02719
29-036	3 DIAMOND STREET	MELO NUNO A & SUSETE M	3 DIAMOND STREET	FAIRHAVEN	MA	02719
29-037	5 DIAMOND STREET	PIRES PAULA J	5 DIAMOND STREET	FAIRHAVEN	MA	02719
29-038	7 DIAMOND STREET	THE CRAFT REAL ESTATE MANAGEMENT LLC	21 ARSENE WAY	FAIRHAVEN	MA	02719
29-039	9 DIAMOND STREET	THE 9 DIAMOND STREET REALTY TRUST	31 RAYMOND STREET	FAIRHAVEN	MA	02719
29-040	DIAMOND STREET	THEODORE DONNA	13 DIAMOND STREET	FAIRHAVEN	MA	02719
29-041	13 DIAMOND STREET	THEODORE DONNA	13 DIAMOND STREET	FAIRHAVEN	MA	02719
29-043	15 DIAMOND STREET	BRODEUR LISA & BRODEUR JACOB C & BRODEUR JEREMY S	15 DIAMOND STREET	FAIRHAVEN	MA	02719
29-045	17 DIAMOND STREET	JACINTHO JOSEPH A	95 WASHINGTON STREET	NEW BEDFORD	MA	02740

**Notification to Abutters Under the  
Massachusetts Wetlands Protection Act  
and the Fairhaven Wetlands Bylaw**

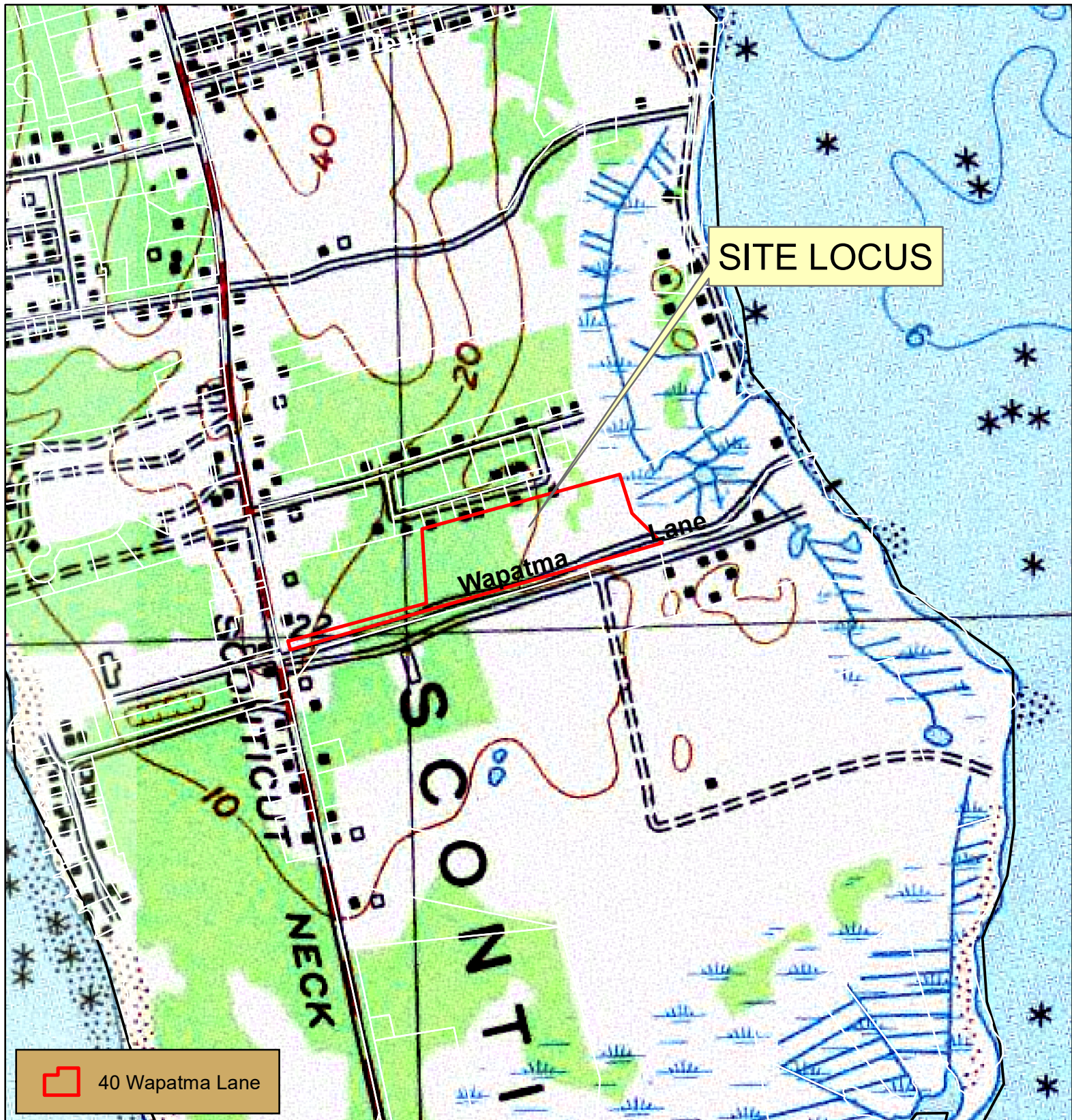
*(this form must be completed and copies sent by certified mail  
to all abutters within 100 feet of the site of the project)*

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 Ecosystem Solutions Inc.
  
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:  
40 Wapatma Lane, Fairhaven, MA.
  
4. The proposed work includes Moving existing fence to be 25 feet away from wetland border. Create 12" soil berm just outside fence line to contain any agricultural runoff into the wetland.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
  
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: January 13, 2020
  - 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: Brandon Faneuf  
Phone/Email: (508) 997-0268

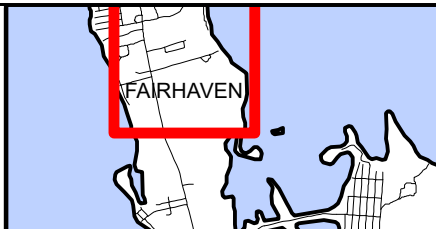
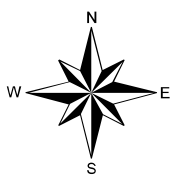
**PLEASE NOTE:**

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.



Ecosystem Solutions, Inc.  
24 Kenmore Street / P.O. Box 1293 West Warwick, RI 02893

FIGURE 1



USGS Topographic Map  
40 Wapatma Lane / Map 29, Lot 29  
Fairhaven, Massachusetts

DATE:	12-11-19	PROJECT #:	W19-1241
CREATED BY:	BF	SCALE:	1 inch = 600 feet

Scotic Neck Quadrant



# National Flood Hazard Layer FIRMette



## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **12/4/2019 at 11:31:25 AM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

41°36'55.13"N



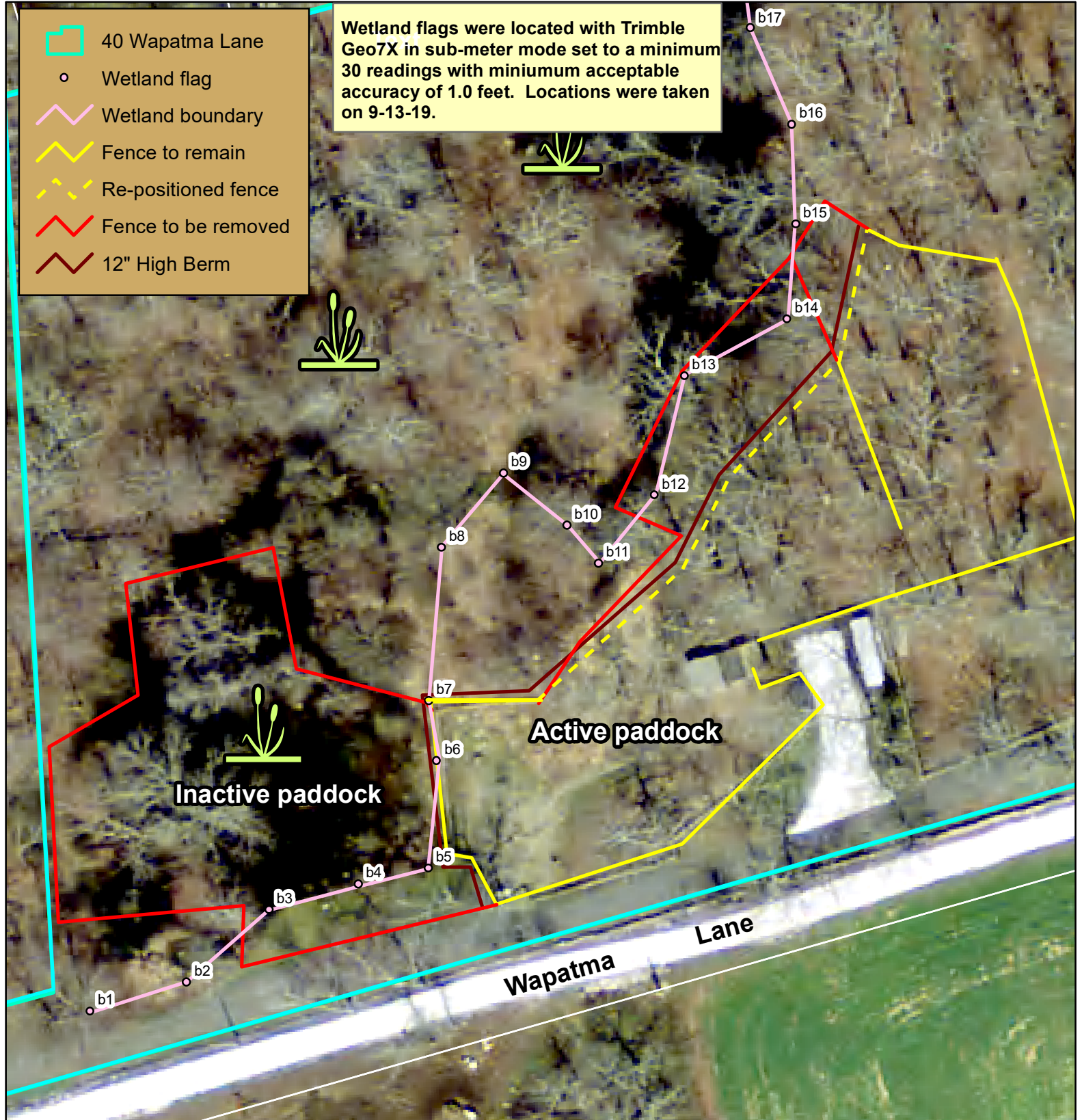
70°51'47.12"W

70°51'9.67"W

0 250 500 1,000 1,500 2,000 Feet 1:6,000

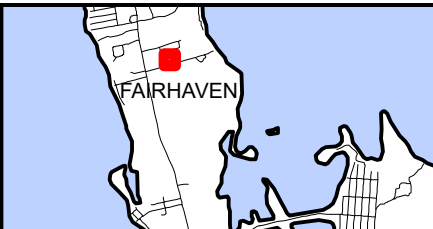
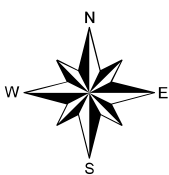
41°36'28.23"N

USGS The National Map: Orthoimagery. Data refreshed April, 2019.



Ecosystem Solutions, Inc.  
24 Kenmore Street / P.O. Box 1293 West Warwick, RI 02893

**FIGURE 1**



Wetland Boundary & Fencing Map  
40 Wapatma Lane / Map 29, Lot 29  
Fairhaven, Massachusetts

DATE:	11-4-19	PROJECT #:	W19-1241
CREATED BY:	BF	SCALE:	1 inch = 50 feet

2014 Orthophoto





## MassDEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

Applicant:

Prepared by: **Ecosystem Solutions**

Project Location: **40 Wapatma Lane, Fairhaven**

DEP File #:

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
- Method other than dominance test used (attach additional information)

**Section I.**

Observation Plot Number: **U**

Transect #: **B - 10**

Date: **9/6/2019**

	Common Name	Scientific Name	Percent Cover	Percent Dominance	Dominant Plant?	Wetland Indicator Plant?	Wetland Indicator Category
Ground	Burdock	<i>Arctium sp.</i>	63	82	YES	NO	FACU
	Spotted touch-me-not*	<i>Impatiens capensis</i>	10.5	14	NO	YES	FACW
	Japanese knotweed	<i>Polygonum cuspidatum</i>	3	4	NO	NO	FACU-
Tree	Northern Red Oak	<i>Quercus rubra</i>	63	82	YES	NO	FACU-
	Red maple*	<i>Acer rubrum</i>	3	4	NO	YES	FAC
	Black cherry	<i>Prunus serotina</i>	10.5	14	NO	NO	FACU

*FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk*

**Vegetation conclusion:**

Number of dominant wetland indicator plants:

**0**

Number of dominant non-wetland indicator plants:

**2**

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants?

**NO**

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent

Upland @ B-10

## Section II. Indicators of Hydrology

### Hydric Soil Interpretation

#### 1. Soil Survey

Is there a published soil survey for this site?

**YES**

Title/date:

**Bristol County South, 1981**

Map number:

**Accessed via GIS**

Soil type mapped:

**ReA - Ridgebury esfsl, 0 - 3% slopes**

Hydric soil inclusions:

Are field observations consistent with soil survey? Yes

Remarks:

#### 2. Soil Description

Horizon	Depth	Color	Redox
<b>^C</b>	<b>0-6"</b>	-	-
<b>A</b>	<b>6-10"</b>	<b>10YR 3/2 fsl</b>	-
<b>Bw</b>	<b>10-20"</b>	<b>10YR 5/6 sl</b>	-

Remarks:

#### 3. Other: ^C = House sawdust

Conclusion: Is soil hydric? NO

### Other Indicators of Hydrology: (check all that apply & describe)

- Site Inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole:
- Water marks:
- Drift lines:
- Sediment Deposits:
- Drainage patterns in BVW:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded Data (streams, lake, or tidal gauge; aerial photo):
- Other:

### Vegetation & Hydrology Conclusion

	YES	NO
Number of wetland indicator plants ≥ # of non-wetland indicator plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wetland hydrology present		
Hydric soil	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other indicators of hydrology	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**Sample location is in a BVW**

**NO**

## MassDEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

Applicant:

Prepared by: **Ecosystem Solutions**

Project Location: **40 Wapatma Lane, Fairhaven**

DEP File #:

Check all that apply:

- Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
- Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
- Method other than dominance test used (attach additional information)

**Section I.**

Observation Plot Number: **W**

Transect #: **B - 10**

Date: **9/6/2019**

	Common Name	Scientific Name	Percent Cover	Percent Dominance	Dominant Plant?	Wetland Indicator Plant?	Wetland Indicator Category
Ground	Spotted touch-me-not*	<i>Impatiens capensis</i>	63	62	YES	YES	FACW
	Sensitive fern*	<i>Onoclea sensibilis</i>	38	38	YES	YES	FACW
Tree	Red maple*	<i>Acer rubrum</i>	38	100	YES	YES	FAC
	Multiflora rose	<i>Rosa multiflora</i>		0	NO	NO	FACU

*FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk*

**Vegetation conclusion:**

Number of dominant wetland indicator plants: **3**

**3**

Number of dominant non-wetland indicator plants: **0**

**0**

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants?

**YES**

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent

**Section II. Indicators of Hydrology**

**Hydric Soil Interpretation**

**1. Soil Survey**

Is there a published soil survey for this site?

**YES**

Title/date:

**Bristol County South, 1981**

Map number:

**Accessed via GIS**

Soil type map: **OhB - Gloucester-Hinckley complex, vs, undulating**

Hydric soil inclusions:

Are field observations consistent with soil survey? Yes

Remarks:

**2. Soil Description**

Horizon	Depth	Color	Redox
<b>A</b>	<b>0-8"</b>	<b>10YR 2/1 fsl</b>	<b>-</b>
<b>Cg</b>	<b>8-20"</b>	<b>2.5Y 6/1 gsl</b>	<b>-</b>

Remarks:

**3. Other:**

Conclusion: Is soil hydric? YES

**Other Indicators of Hydrology: (check all that apply & describe)**

- Site Inundated:
- Depth to free water in observation hole:
- Depth to soil saturation in observation hole:
- Water marks:
- Drift lines:
- Sediment Deposits:
- Drainage patterns in BVW:
- Oxidized rhizospheres:
- Water-stained leaves:
- Recorded Data (streams, lake, or tidal gauge; aerial photo):
- Other:

<b>Vegetation &amp; Hydrology Conclusion</b>		
	YES	NO
Number of wetland indicator plants ≥ # of non-wetland indicator plants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wetland hydrology present		
Hydric soil	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other indicators of hydrology	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Sample location is in a BVW</b>		<b>YES</b>