

PROPOSED SITE DEVELOPMENT PLUMBERS' SUPPLY COMPANY

SITE DRAWINGS

ISSUED FOR: PERMITTING
DATE ISSUED: MARCH 16, 2018
LATEST ISSUE:

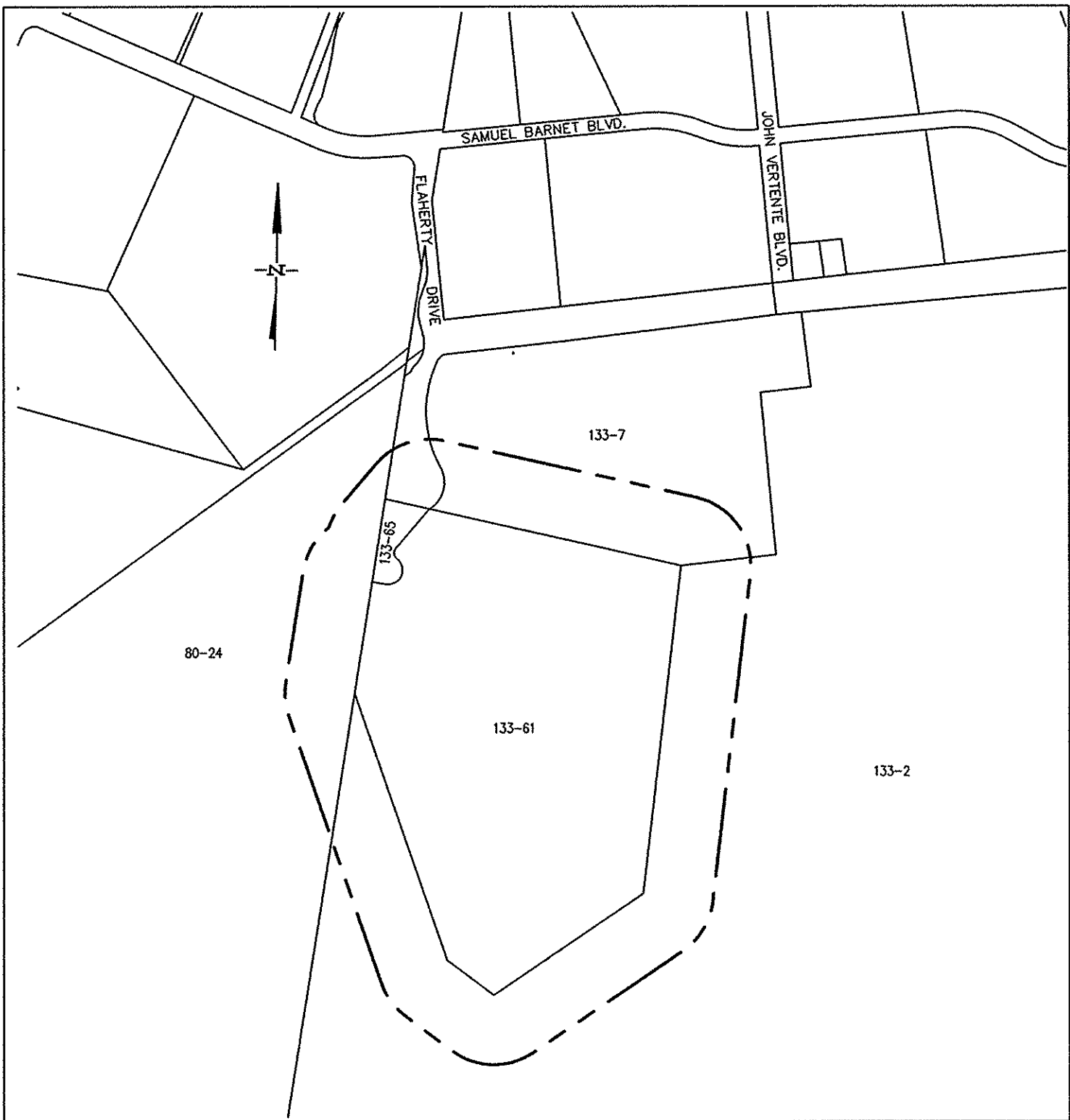
MAP 133 LOT 61, FLAHERTY DRIVE
NEW BEDFORD, MASSACHUSETTS

INDEX TO DRAWINGS

SHEET	DRAWING TITLE
N-1	TITLE SHEET
EC-1	NOTES & LEGEND
SL-1	EXISTING CONDITIONS
SGD-1 - SGD-3	SITE LAYOUT
SU-1	SITE GRADING & DRAINAGE
EROS-1 - EROS-3	SITE UTILITIES
LAND-1	EROSION CONTROL
D-1	SITE LIGHTING & LANDSCAPING
D-2	DETAIL SHEET 1
	DETAIL SHEET 2



SCALE: 1"=600'



SCALE: 1"=600'

--- 100' NOTIFICATION LINE
--- 300' NOTIFICATION LINE
--- PROJECT SITE

LOT NO.	OWNER OF RECORD
80-24	COMMONWEALTH OF MASSACHUSETTS
133-2	COMMONWEALTH OF MASSACHUSETTS
133-7	AFC CABLE SYSTEMS INC.
133-65	GNBIF/POLAROID LLC C/O CORPORATE REAL ESTATE

ENGINEER:

FIELD ENGINEERING CO., INC.
11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPAN, MA 02739

APPLICANT:

PLUMBERS' SUPPLY CO.
429 CHURCH STREET
P.O. BOX 51687
NEW BEDFORD, MA 02745

OWNER:

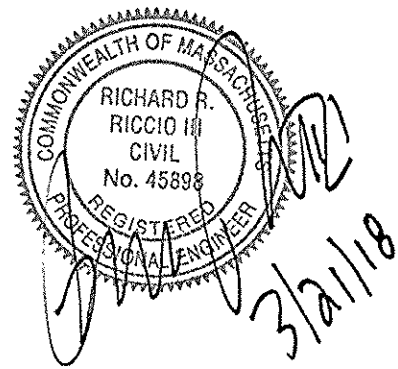
GREATER NEW BEDFORD
INDUSTRIAL FOUNDATION
1213 PURCHASE STREET
NEW BEDFORD, MA 02740

PROJECT LOCATION:

ASSESSORS MAP 133 LOT 61
NEW BEDFORD, MASSACHUSETTS

PROPOSED
SITE
DEVELOPMENT

MAP 133 LOT 61
FLAHERTY DRIVE
NEW BEDFORD, MA



**FIELD
ENGINEERING
CO., INC.**
CONSULTING ENGINEERS

11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPAN, MA 02739
TEL: (508) 758-2749
FAX: (508) 758-2849

THE CROCKER BUILDING
4 COURT STREET SUITE 104
TAUNTON, MA 02780
TEL: (508) 824-9279
FAX: (508) 824-9276

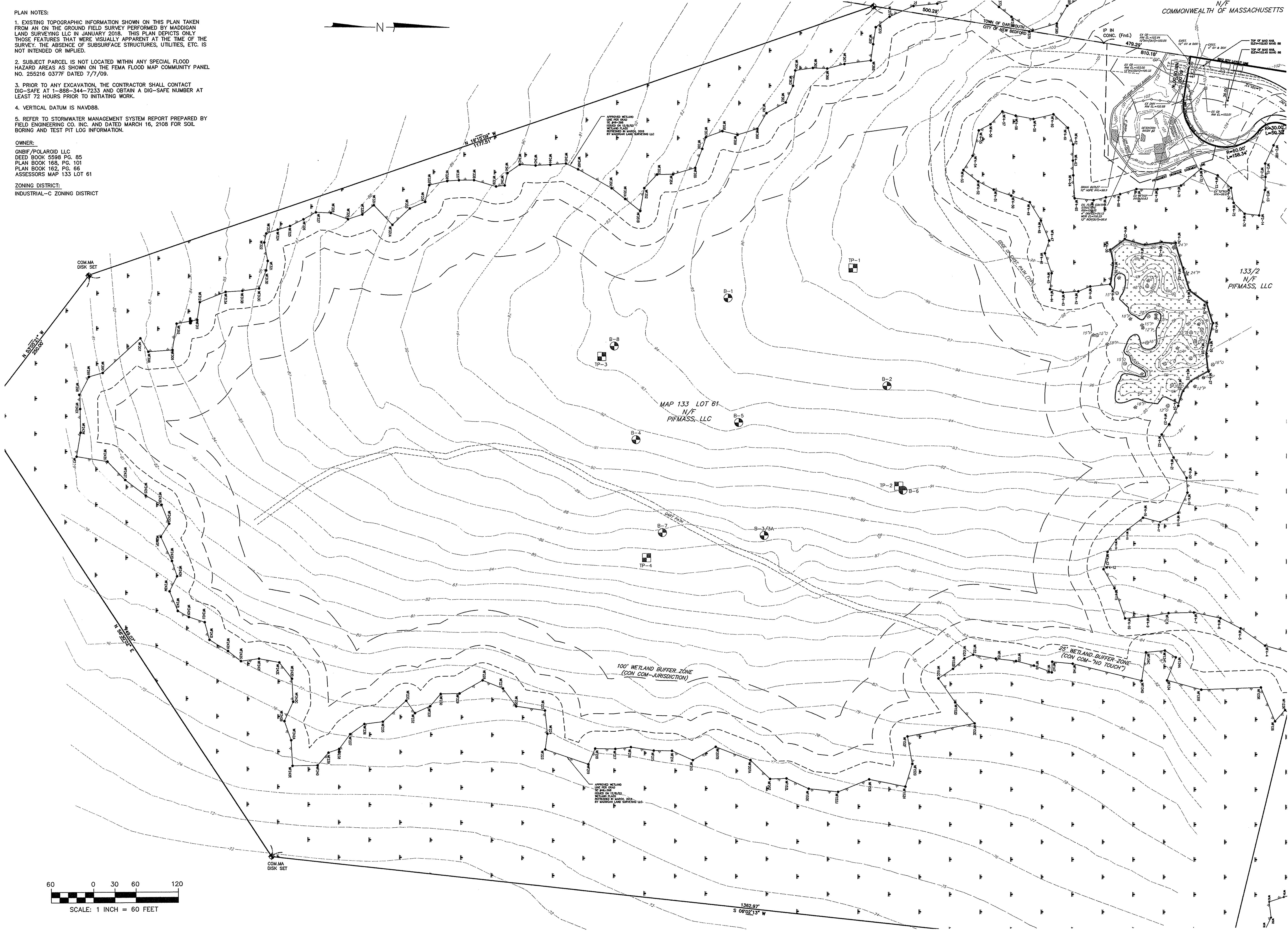
Project No.

2190

- PLAN NOTES:
1. EXISTING TOPOGRAPHIC INFORMATION SHOWN ON THIS PLAN TAKEN FROM AN ON THE GROUND FIELD SURVEY PERFORMED BY MADDIGAN LAND SURVEYING LLC IN JANUARY 2018. THIS PLAN DEPICTS ONLY THOSE FEATURES THAT WERE VISUALLY APPARENT AT THE TIME OF THE SURVEY. THE ABSENCE OF SUBSURFACE STRUCTURES, UTILITIES, ETC. IS NOT INTENDED OR IMPLIED.
 2. SUBJECT PARCEL IS NOT LOCATED WITHIN ANY SPECIAL FLOOD HAZARD AREAS AS SHOWN ON THE FEMA FLOOD MAP COMMUNITY PLAN NO. 255216 0377F DATED 7/7/09.
 3. PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT DIG-SAFE AT 1-888-344-7233 AND OBTAIN A DIG-SAFE NUMBER AT LEAST 72 HOURS PRIOR TO INITIATING WORK.
 4. VERTICAL DATUM IS NAVD88.
 5. REFER TO STORMWATER MANAGEMENT SYSTEM REPORT PREPARED BY FIELD ENGINEERING CO., INC. AND DATED MARCH 16, 2108 FOR SOIL BORING AND TEST PIT LOG INFORMATION.

OWNER:
GNBIF/POLAROID LLC
DEED BOOK 5598 PG. 85
PLAN BOOK 168, PG. 101
PLAN BOOK 162, PG. 66
ASSESSORS MAP 133 LOT 61

ZONING DISTRICT:
INDUSTRIAL-C ZONING DISTRICT



FIELD ENGINEERING CO., INC.
CONSULTING ENGINEERS

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FAX: (508) 758-2849

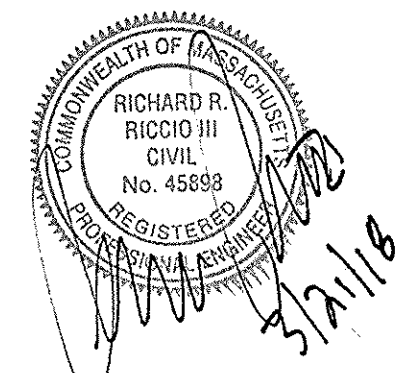
Revisions			
No.	Description	Date	Appvd.

Date
3/16/18

Scale
1"=60'

Drawn By RMS	Designed By RRR	Checked By RRR
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Issued For
PERMITTING



**PROPOSED SITE DEVELOPMENT
PLUMBERS' SUPPLY COMPANY**

LOT 10 FLAHERTY DRIVE (ASSESSORS MAP 133, LOT 61)
NEW BEDFORD, MASSACHUSETTS

Drawing Title
**EXISTING
CONDITIONS**

Project No. 2190	Sheet 3 OF 14
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EC-1

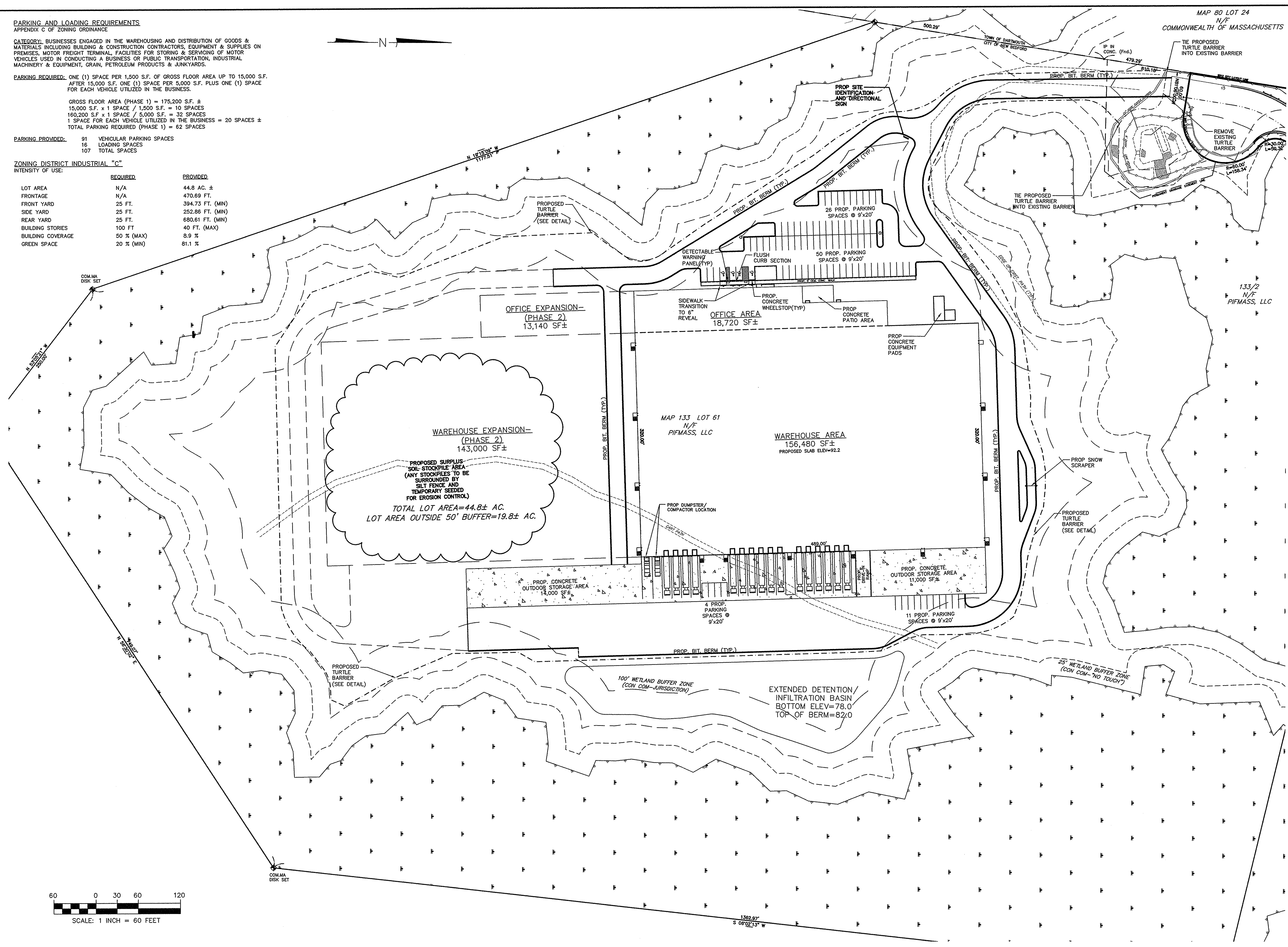
PARKING REQUIRED: ONE (1) SPACE PER 1,500 S.F. OF GROSS FLOOR AREA UP TO 15,000 S.F. AFTER 15,000 S.F. ONE (1) SPACE PER 5,000 S.F. PLUS ONE (1) SPACE FOR EACH VEHICLE UTILIZED IN THE BUSINESS.

GROSS FLOOR AREA (PHASE 1) = 175,200 S.F. ±
 15,000 S.F. x 1 SPACE / 1,500 S.F. = 10 SPACES
 160,200 S.F. x 1 SPACE / 5,000 S.F. = 32 SPACES
 1 SPACE FOR EACH VEHICLE UTILIZED IN THE BUSINESS = 20 SPACES ±
 TOTAL PARKING REQUIRED (PHASE 1) = 62 SPACES

<u>PARKING PROVIDED:</u>	91	VEHICULAR PARKING SPACES
	16	LOADING SPACES
	107	TOTAL SPACES

ZONING DISTRICT INDUSTRIAL "C"
INTENSITY OF USE:

	<u>REQUIRED</u>	<u>PROVIDED</u>
LOT AREA	N/A	44.8 AC. ±
FRONTAGE	N/A	470.69 FT.
FRONT YARD	25 FT.	394.73 FT. (MIN)
SIDE YARD	25 FT.	252.86 FT. (MIN)
REAR YARD	25 FT.	680.61 FT. (MIN)
BUILDING STORIES	100 FT	40 FT. (MAX)
BUILDING COVERAGE	50 % (MAX)	8.9 %
GREEN SPACE	20 % (MIN)	81.1 %



• • • • •

11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPOISETT, MA 02739
TEL: (508) 758-2749
FAX: (508) 758-2849

Revisions			

[illegible]

No.	Description	Date	App
Date 3/16/18			

Scale 1"=60'

Drawn By RMS	Designed By RRR	Checked By RRR
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**PROPOSED SITE DEVELOPMENT
PLUMBERS' SUPPLY COMPANY**

LOT 10 FLAHERTY DRIVE (ASSESSORS MAP 133, LOT 61)
NEW BEDFORD, MASSACHUSETTS

Drawing Title

SITE LAYOUT

Project No.	Sheet
2190	4 OF 14

SL-1

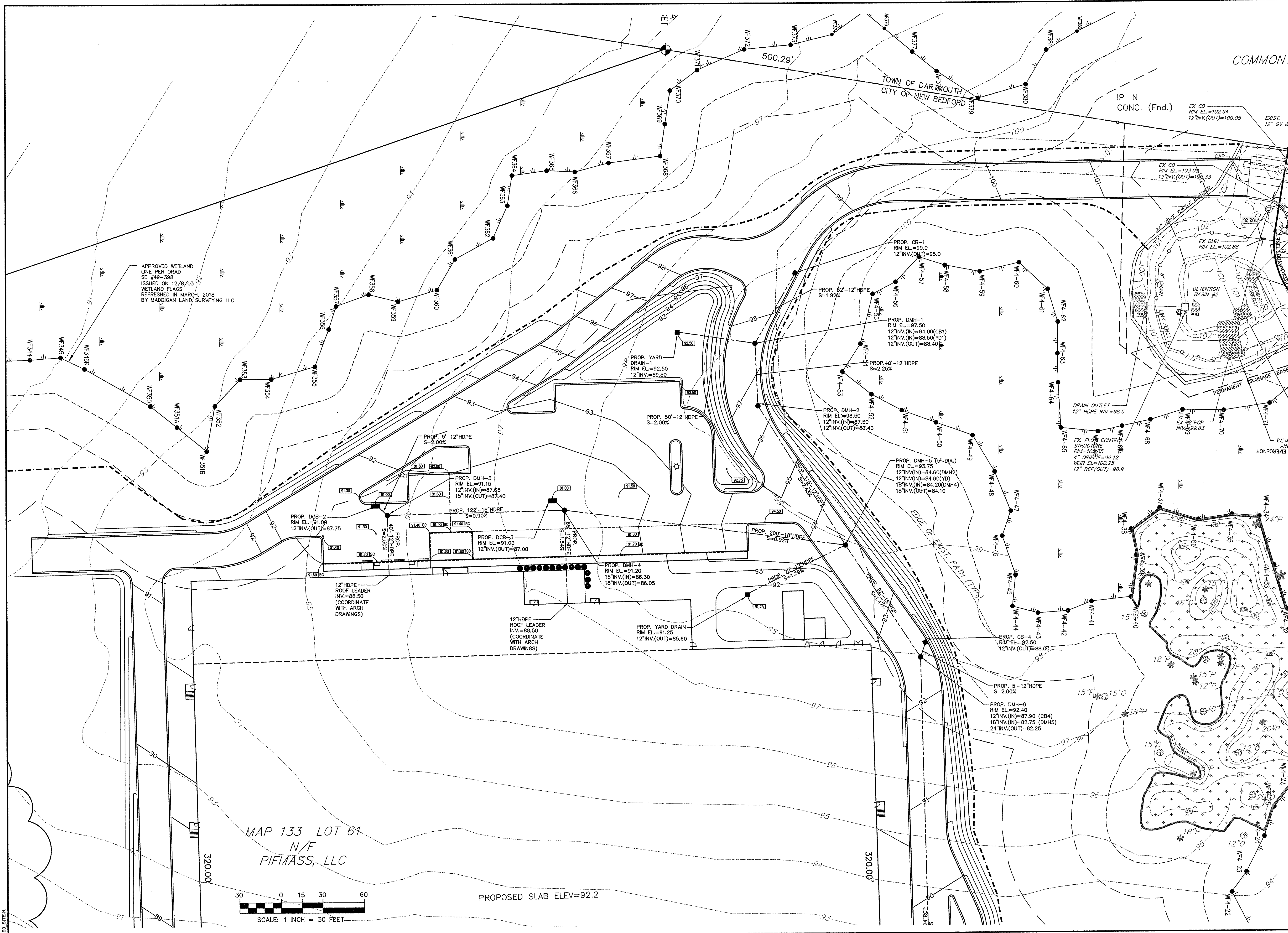
No.	Description	Date	Appvd.
Date 3/16/18			
Scale 1"=30'			
Drawn By RMS		Designed By RRR	Checked By RRR

COMMONWEALTH OF MASSACHUSETTS
RICHARD F. RICCIO JR.
CIVIL
No. 45698
REGISTERED
PROFESSIONAL ENGINEER
3/21/18

LOT 10 FLAHERTY DRIVE (ASSESSORS MAP 133, LOT 61)
NEW BEDFORD, MASSACHUSETTS

Project No. 2190	Sheet 5 OF 14
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SG-1



No.	Description	Date	Appv
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Date 3/16/1

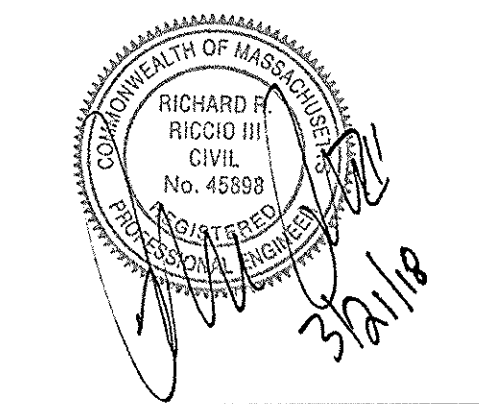
Scale $1"=30'$

Drawn By	Designed By	Checked By
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RMS	RRR	RRR
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**PROPOSED SITE DEVELOPMENT
PLUMBERS' SUPPLY COMPANY**

LOT 10 FLAHERTY DRIVE (ASSESSORS MAP 133, LOT 61)
NEW BEDFORD, MASSACHUSETTS

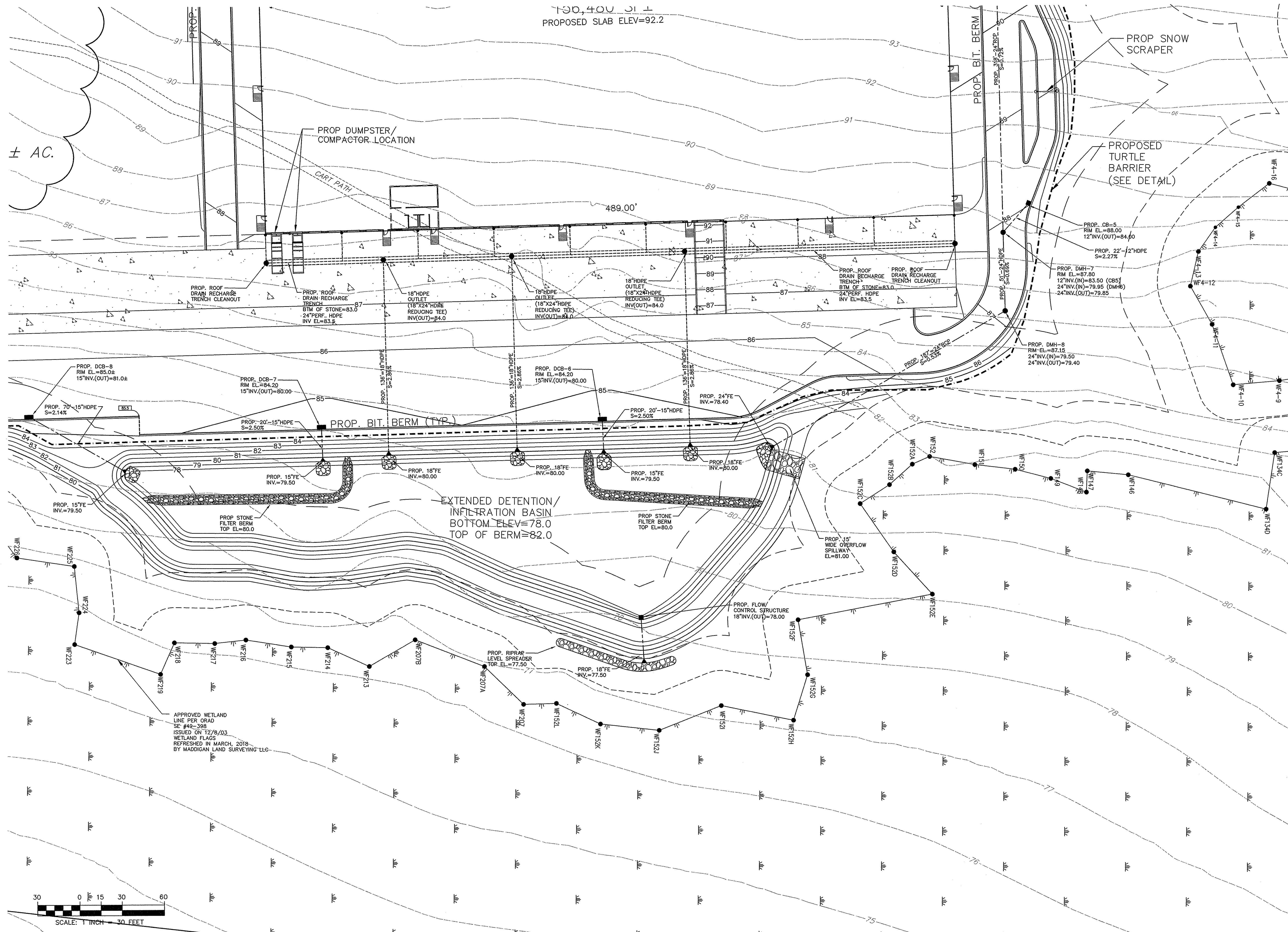
Drawing Title

SITE GRADING

Project No.

Sheet
6 OF 14

SG-2

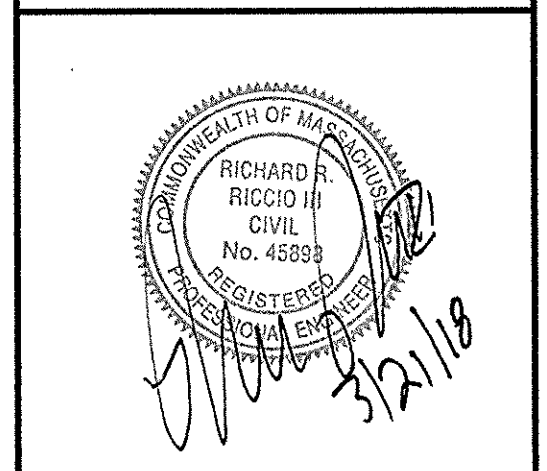


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Scale 1"=30'

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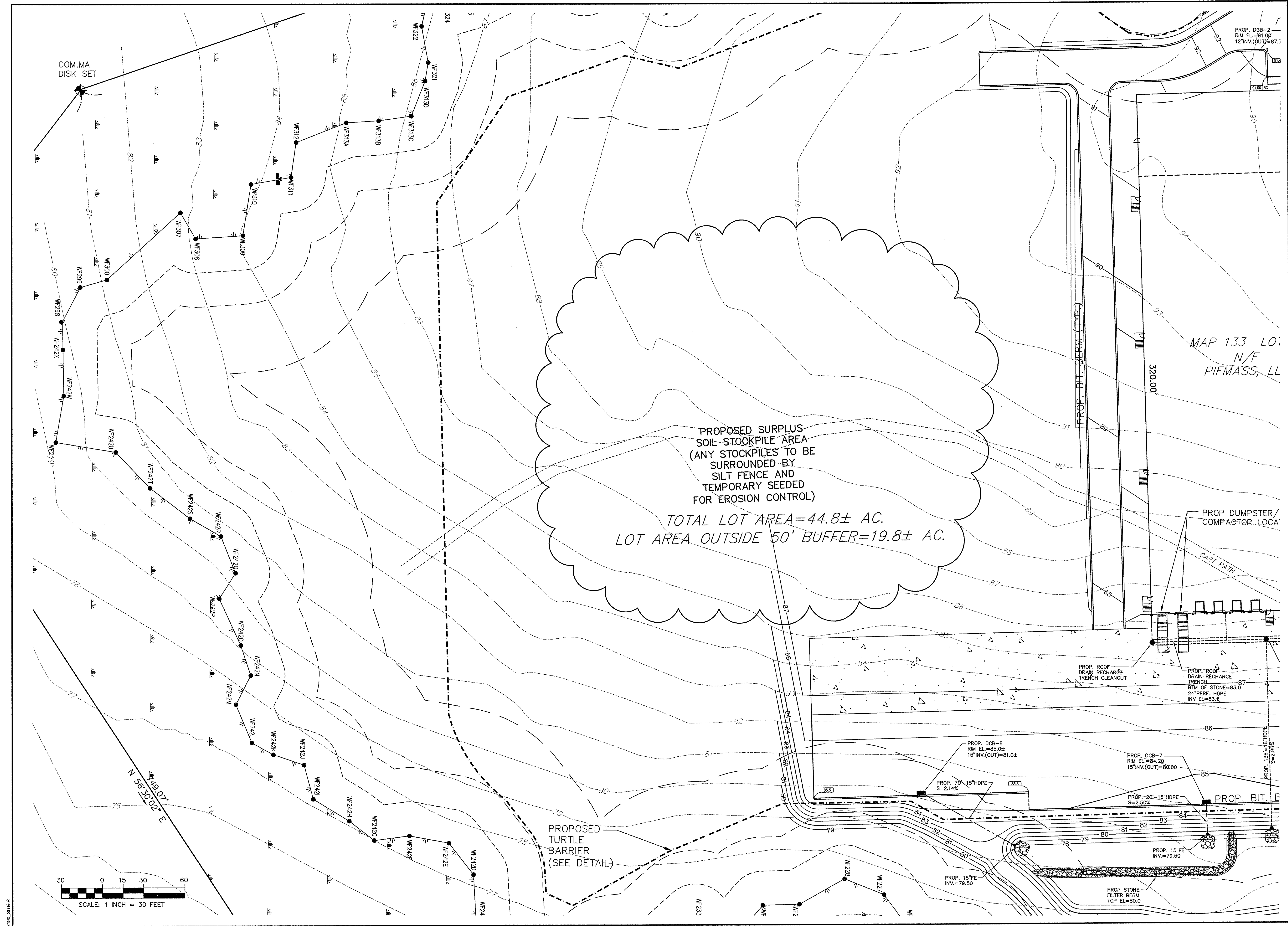
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LOT 10 FLAHERTY DRIVE (ASSESSORS MAP 133, LOT 61)
NEW BEDFORD, MASSACHUSETTS

Project No. 2190	Sheet 7 OF 14
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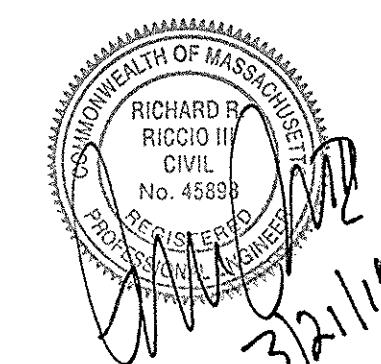
SG-3



No.	Description	Date	Appv
	Date	3/16/18	

Drawn By RMS	Designed By RRR	Checked By RRR
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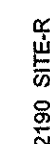


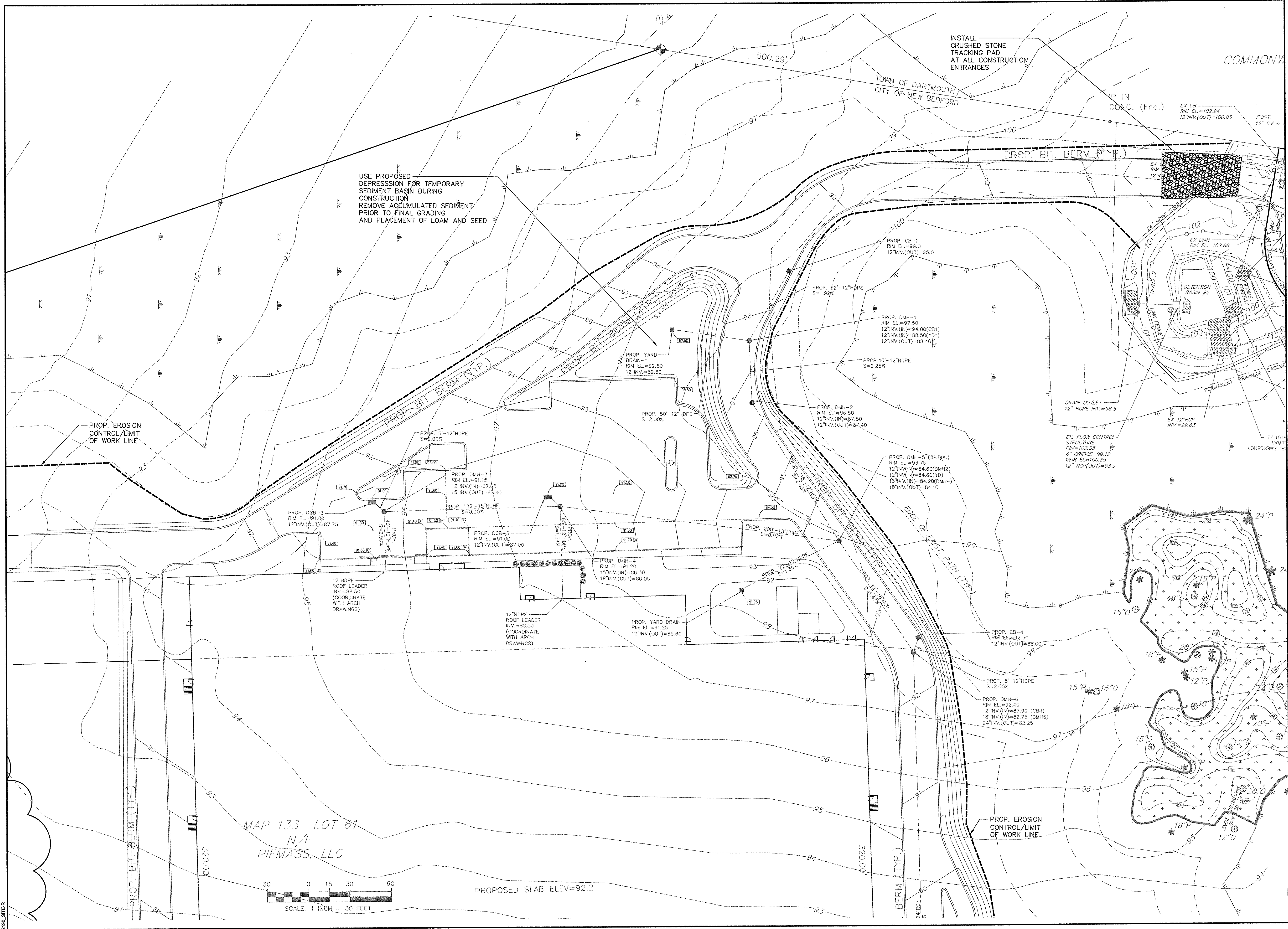
LOT 10 FLAHERTY DRIVE (ASSESSORS MAP 133, LOT 61)
NEW BEDFORD, MASSACHUSETTS

SITE UTILITIES

Sheet
8 OF 14

SU-1





FIELD
ENGINEERING
CO., INC.
CONSULTING ENGINEERS

110 INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPAN, MA 02739
TEL: (508) 758-2749
FAX: (508) 758-2849

Revisions			
No.	Description	Date	Appr.

Date

3/16/18

Scale

1"=30'

Drawn By

RMS

Designed By

RRR

Checked By

RRR

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3/21/18

PROPOSED SITE DEVELOPMENT
PLUMBERS' SUPPLY COMPANY

LOT 10 FLAHERTY DRIVE (ASSESSORS MAP 133, LOT 61)
NEW BEDFORD, MASSACHUSETTS

Drawing Title

SEDIMENTATION & EROSION CONTROL

Project No.

2190

Sheet

9 OF 14

SEC-1

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No.	Description	Date	Appv
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Date 3/16/18

Scale $1"=30'$

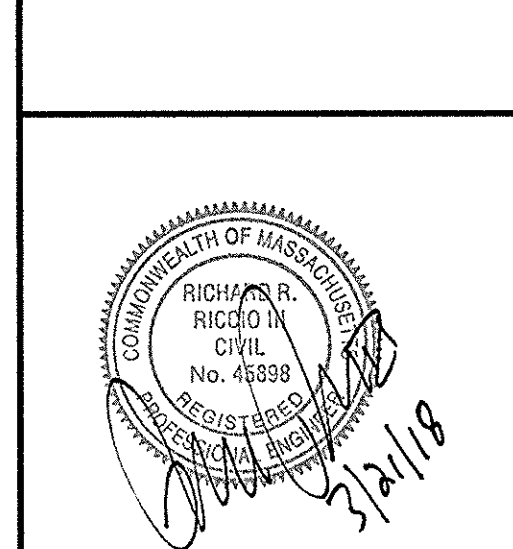
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RMS	RRR	RRR
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REFERENCES

PERMITTING



PROPOSED SITE DEVELOPMENT
PLUMBERS' SUPPLY COMPANY

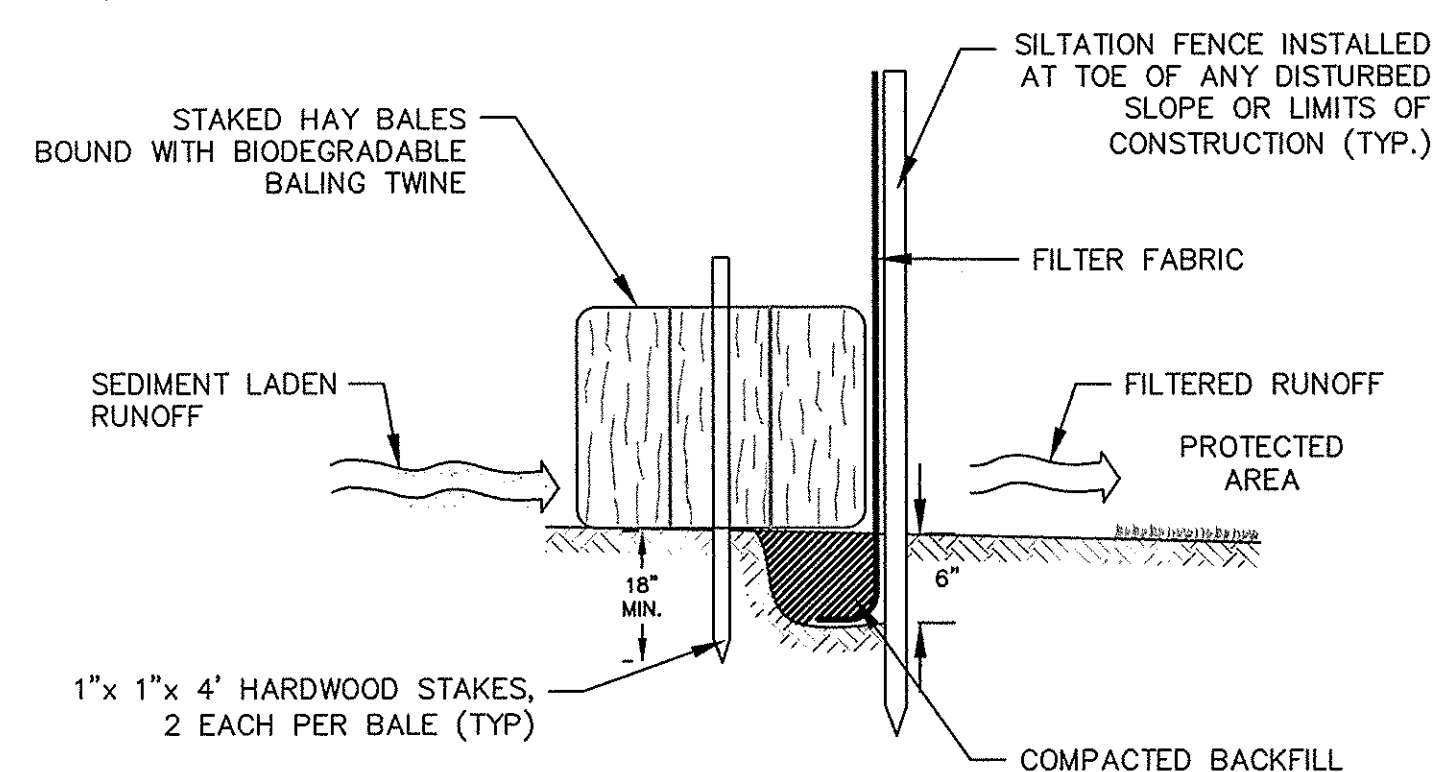
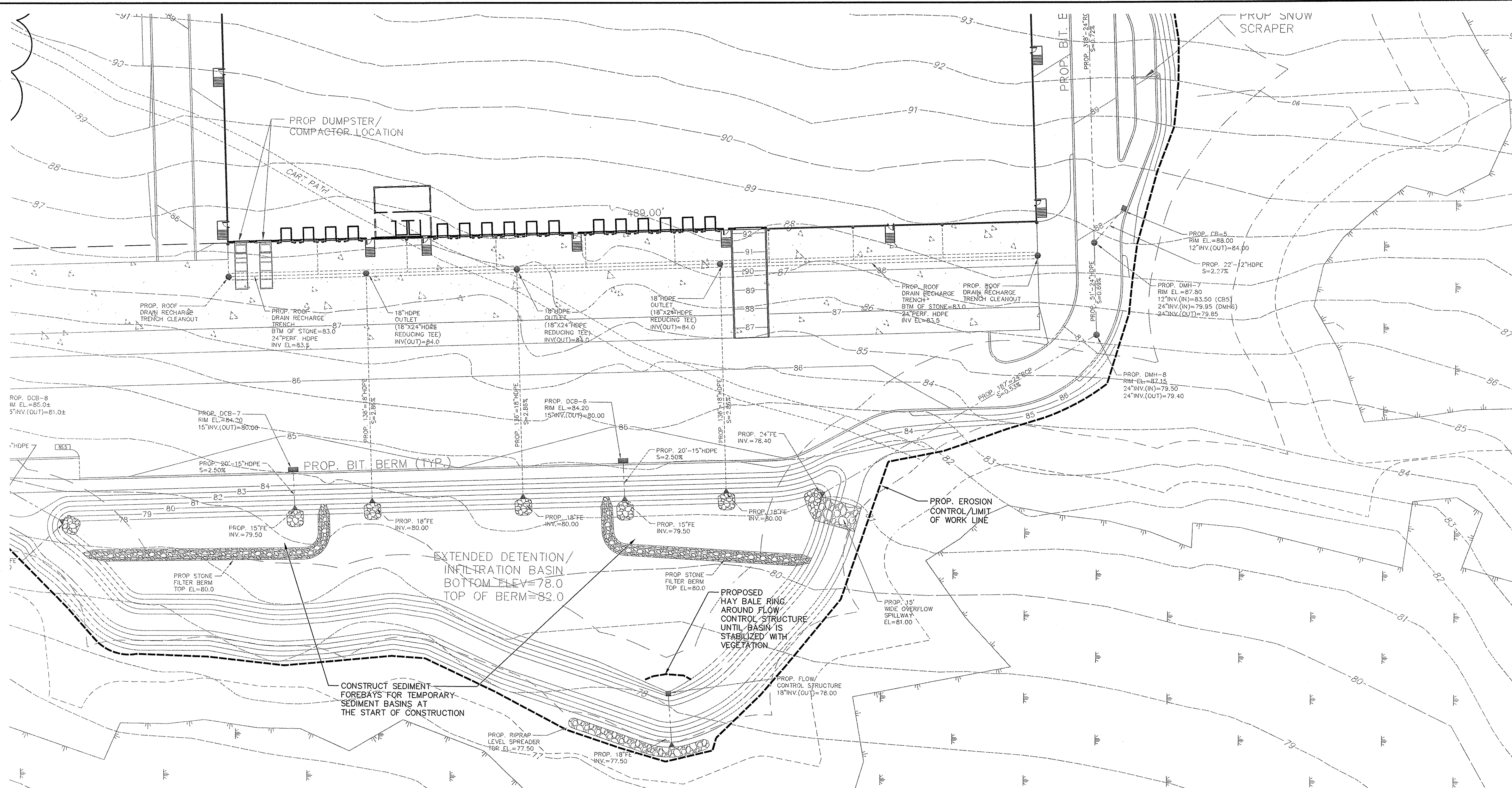
LOT 10 FLAHERTY DRIVE (ASSESSORS MAP 133, LOT 61)
NEW BEDFORD, MASSACHUSETTS

Drawing Title

**SEDIMENTATION &
EROSION CONTROL**

Project No.	Sheet
2190	10 OF 14

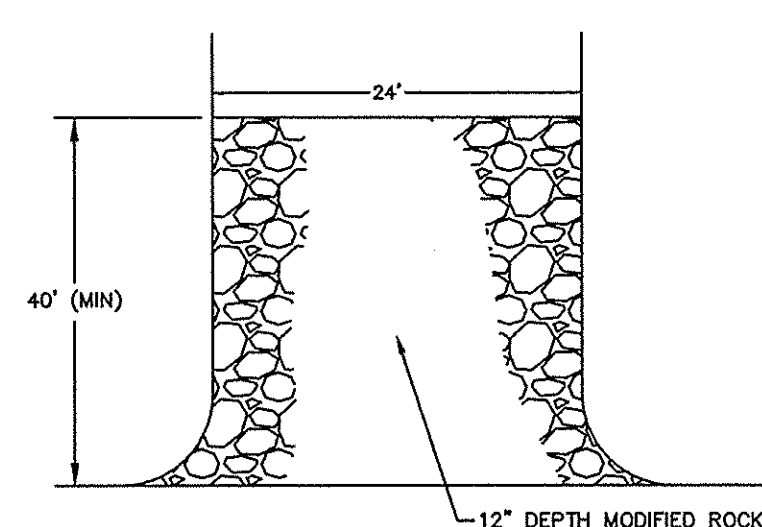
SEC-2



NOTES:

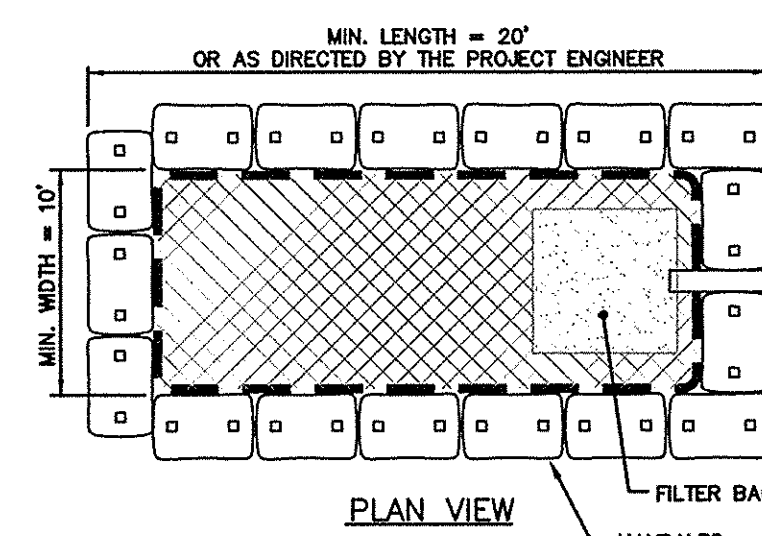
1. SILTATION FENCE SHALL BE "ENVIROFENCE" AS MANUFACTURED BY MIRAFI, INC. OR AN APPROVED EQUAL.
2. SILTATION FENCING SHALL BE INSTALLED DOWN SLOPE OF ALL PROPOSED AND EXISTING DISTURBED AREAS, OR AS SHOWN ON THE PLANS.
3. EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL VEGETATIVE COVER HAS BEEN FIRMLY ESTABLISHED.
4. EROSION CONTROL MEASURES SHALL FOLLOW THE PERFORMANCE STANDARDS OF THE USDA SOIL CONSERVATION SERVICE, AND ANY APPLICABLE STATE/LOCAL CONSERVATION AUTHORITY.

SILTATION BARRIER DETAIL
NOT TO SCALE

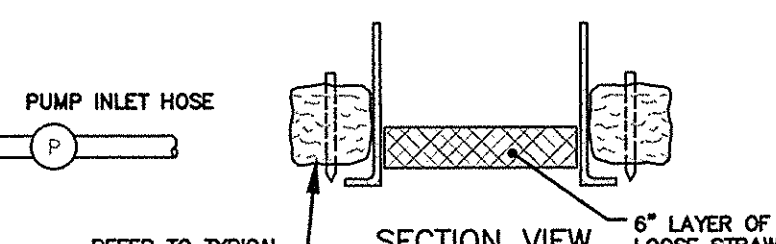


FILE CONSTRUCTION PAD
TEMPORARY CONSTRUCTION PAD
NOT TO SCALE

NOTE: TEMPORARY CONSTRUCTION PADS TO BE PLACED AT ALL CONSTRUCTION ENTRANCES OFF CARRANT ROAD TO MINIMIZE TRACKING ONTO THE ROADWAY SURFACE.



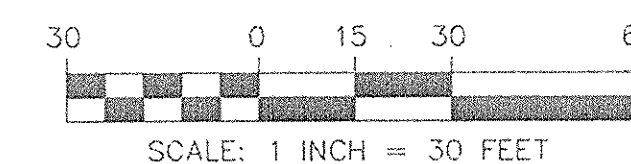
PLAN VIEW



DEWATERING BASIN
NOT TO SCALE

DEWATERING SPECIFICATIONS

1. DEWATERING BASINS SHALL BE CONSTRUCTED BEFORE ANY DEWATERING OPERATIONS COMMENCE. DISCHARGE FROM THE DEWATERING BASINS SHALL BE DIRECTED TO THE NEAREST WETLAND DISCHARGE AREA.
2. HAY BALES/SILT DEWATERING BASINS SHALL BE CONSTRUCTED BEFORE DEWATERING BEGINS.
3. ALL SEDIMENT SHALL BE REMOVED AND FINISHED GRADES RESTORED UPON COMPLETION OF DEWATERING OPERATIONS.
4. THE LOCATION OF ANY DEWATERING BASIN SHALL BE REVIEWED WITH THE PROJECT ENGINEER AND CONSERVATION COMMISSION AGENT PRIOR TO THEIR IMPLEMENTATION.



No.	Description	Date	Appv
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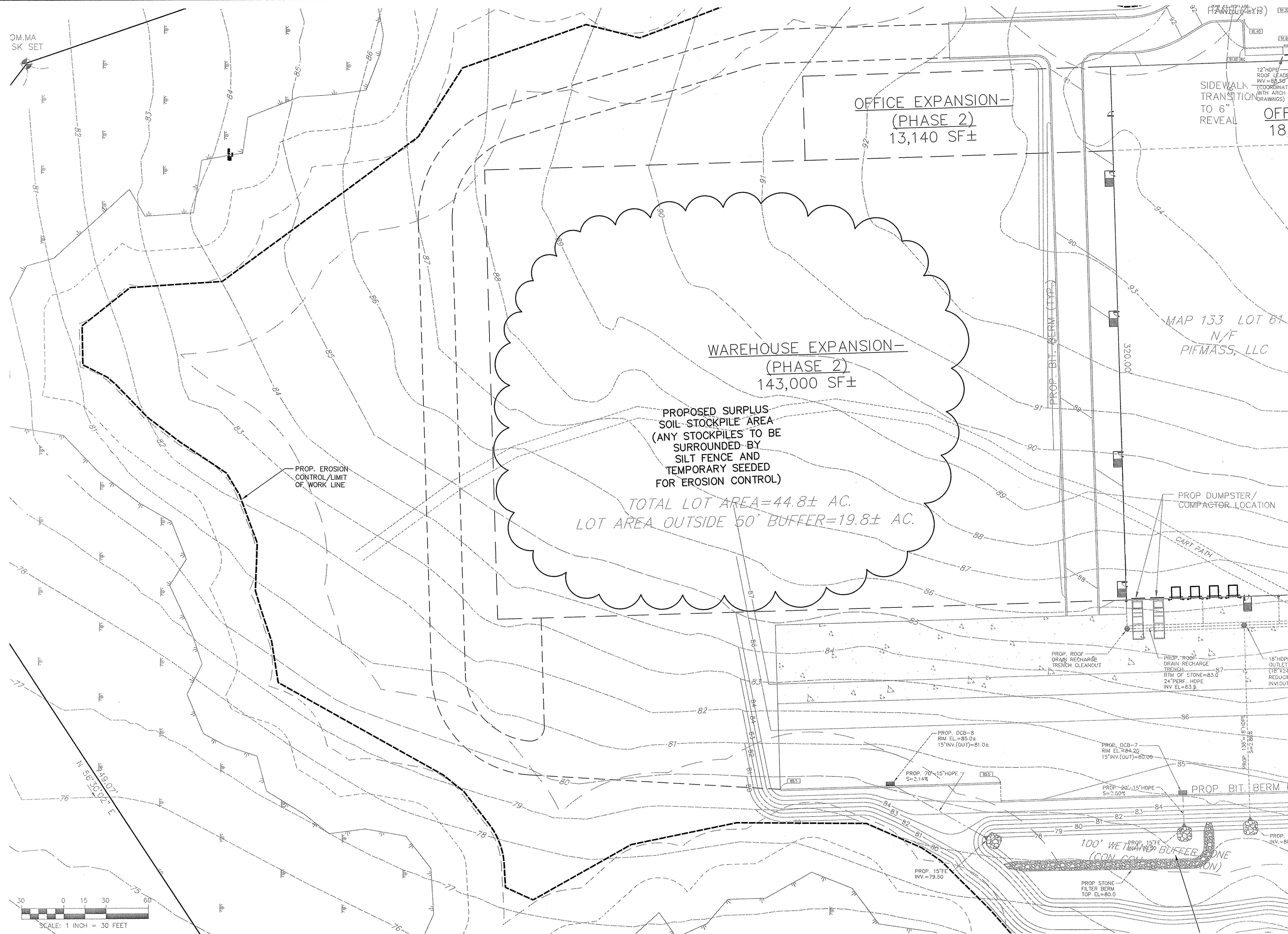
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LOT 10 FLAHERTY DRIVE (ASSESSORS MAP 133, LOT 61)
NEW BEDFORD, MASSACHUSETTS

Project No.	Sheet
2190	11 OF 14

SEC-3



Revisions			
No.	Description	Date	App'd

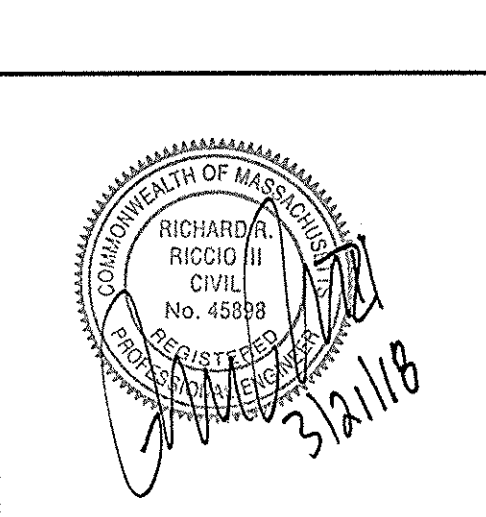
Date 3/16/18

Scale AS NOTED

Drawn By RMS Designed By RRR Checked By RRR

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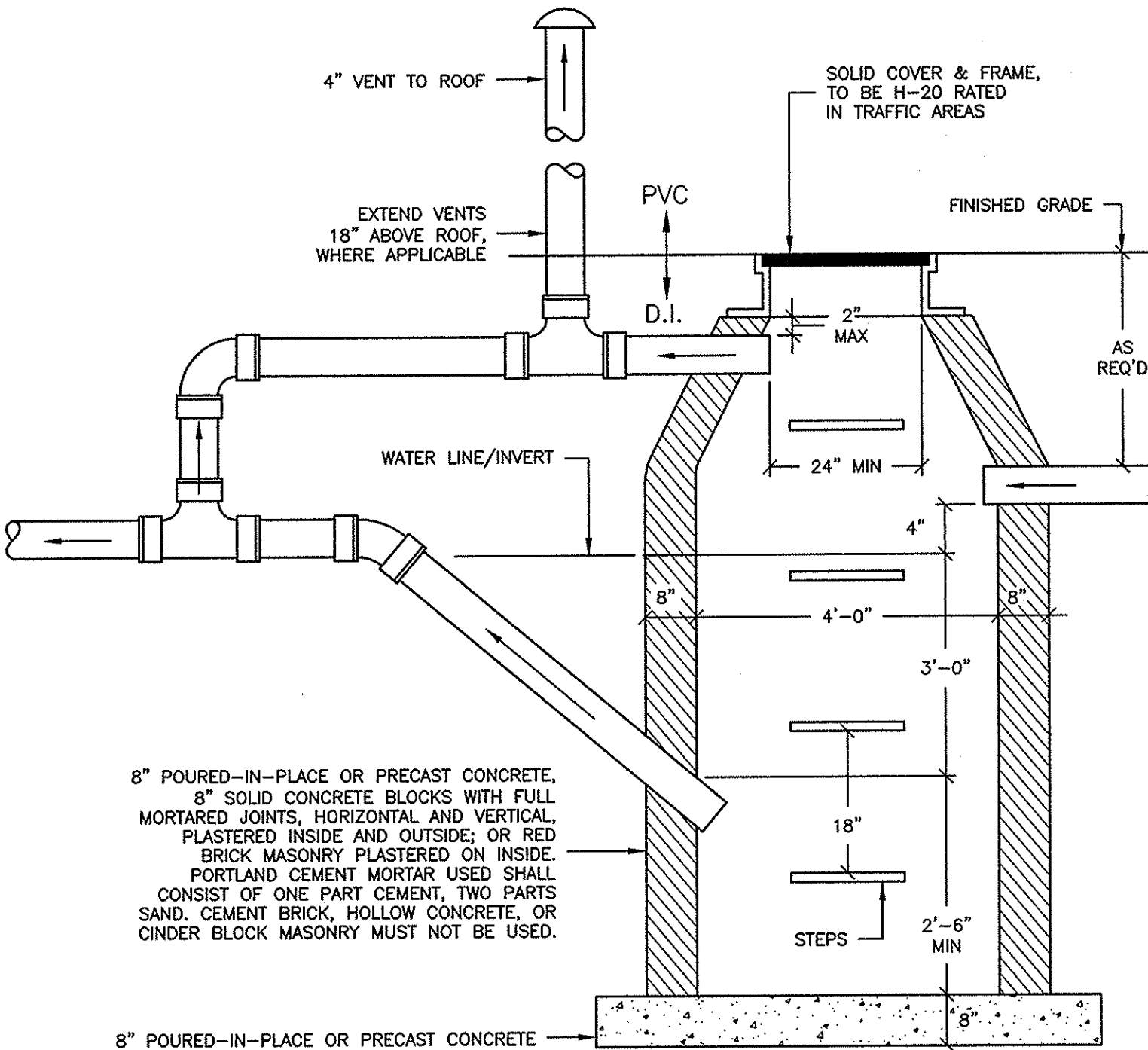
PROPOSED SITE DEVELOPEMENT
PLUMBERS' SUPPLY COMPANY

Drawing Title
DETAIL SHEET

Project No. 2190 Sheet 13 OF 14

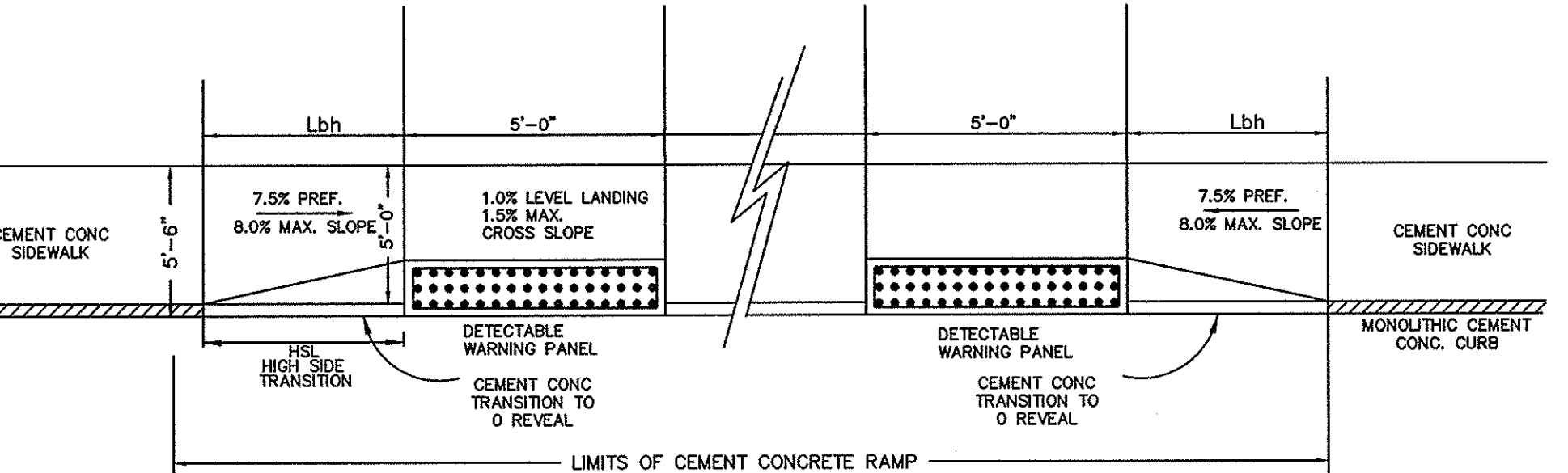
D-1

LOT 10 FLAHERTY DRIVE (ASSESSORS MAP 133, LOT 61)
NEW BEDFORD, MASSACHUSETTS



OIL/WATER SEPARATOR
NOT TO SCALE

- NOTES
- STRUCTURE SHALL BE SET ON MIN. 12" CRUSHED STONE BEDDING.
 - STRUCTURE SHALL BE GRANULAR FILL BACKFILLED.
 - PRECAST CONCRETE UNITS PER ASTM C476 (LATEST) AND MIN. 0.12 SQ. IN. STEEL PER VERTICAL FOOT PER AASHTO M199 ALLOWED ONLY BY SHOP DWG. APPROVAL.
 - OWNER SHALL PROVIDE AGREEMENT FOR THE REGULAR MAINTENANCE OF OIL/WATER SEPARATOR TO CITY OF NEW BEDFORD DEPARTMENT OF PUBLIC INFRASTRUCTURE FOR THEIR RECORDS.



HANDICAP RAMP DETAIL
NOT TO SCALE

CEMENT CONCRETE WHEELCHAIR RAMPS

TABLE I. HIGH SIDE FRONT TRANSITION LENGTH HSL. THE FOLLOWING FIGURES ARE BASED UPON A SIX INCH CURB REVEAL R=6"(150mm)

PROFILE	GRADE	7.5% DESIGN SLOPE		8.0% DESIGN SLOPE	
		(FT)	(METER)	(FT)	(METER)
0	0	2.0	2.0	6.5	1.9
1	.01	6.0	2.3	7.0	2.1
2	.02	9.0	2.7	8.5	2.5
3	.03	11.0	3.3	10.0	3.0
4	.04	14.5	4.3	12.5	3.8
5	.05	20.0	6.0	16.5	5.0

WHERE CURB REVEAL (R) EXCEEDS 6" (150mm) THE FOLLOWING EQUATION SHALL BE USED.

EQUATION:

$$HSL (M) = (R/1000)/(TS-6)$$
$$R = REVEAL IN (MM)$$
$$G = ROADWAY PROFILE GRADE (M/M)$$
$$TS = TRANSITION SLOPE (M/M)$$
$$HSL = HIGH SIDE FRONT TRANSITION LENGTH (M)$$
$$1 \text{ METER} = 3.2808 \text{ FT.}$$

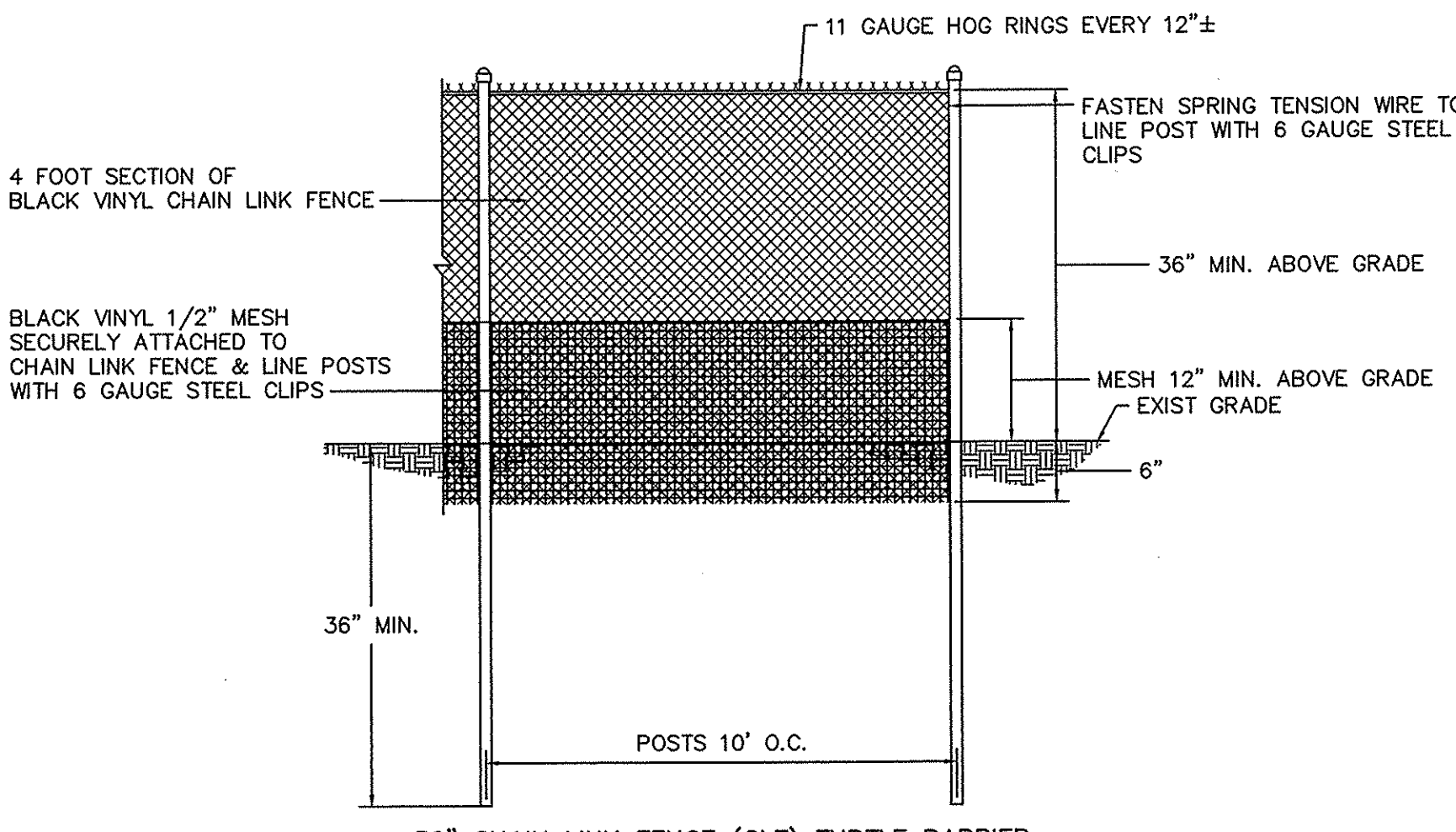
CEMENT CONCRETE WHEELCHAIR RAMPS

TABLE IIb. HIGH SIDE BACK TRANSITION LENGTH (Lbh). THE FOLLOWING FIGURES ARE BASED UPON A SIX INCH CURB REVEAL AND 1:12 TRANSITION SLOPE: Sr = 1"/1", R = 6", Ts = 1"/1"

RAMP LENGTH W (FT)	PROFILE GRADE (G)					
	.00	.01	.02	.03	.04	.05
4.0	3.0	3.5	4.0	5.0	6.0	7.5
5.0	2.5	2.5	3.0	3.5	4.5	6.0
6.0	1.5	2.0	2.0	2.5	3.0	4.0
7.0	1.0	1.0	1.0	1.5	1.5	2.0
8.0	0.0	0.0	0.0	0.0	0.0	0.0

NOTE: WHERE THE WHEELCHAIR RAMP LENGTH (W) IS 8.0' OR GREATER THE Lbh SHALL EQUAL ZERO (0). WHERE CURB REVEAL (R) EXCEEDS 6" (150mm) THE FOLLOWING EQUATION SHALL BE USED.

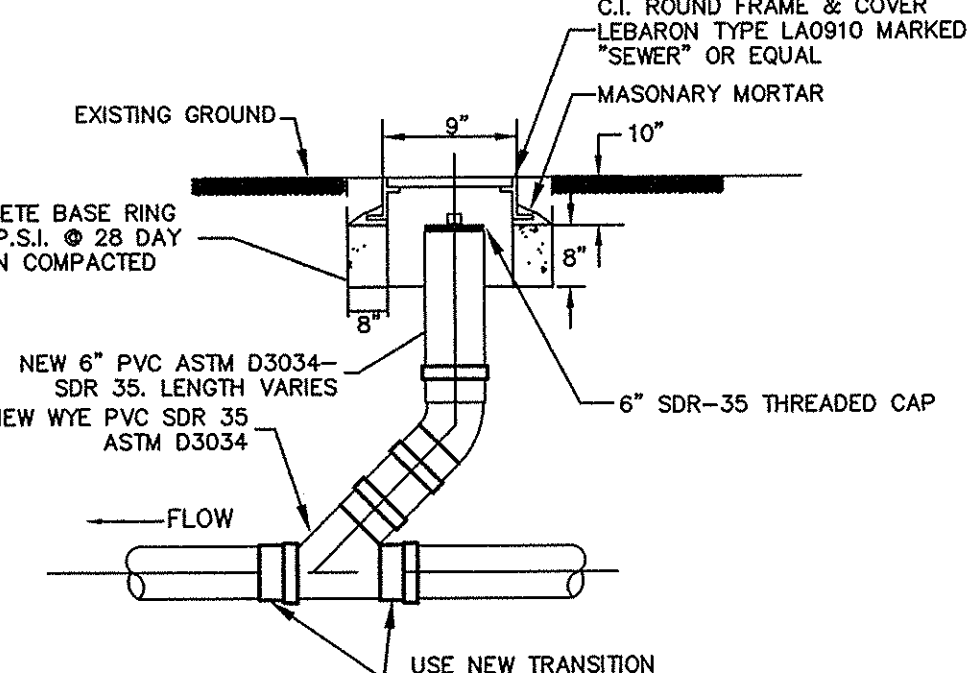
$$EQUATION: Lbh (FT) = [(0.25 \cdot W + R) - (Sr \cdot W)] / Ts - 12G$$



36" CHAIN LINK FENCE (CLF) TURTLE BARRIER

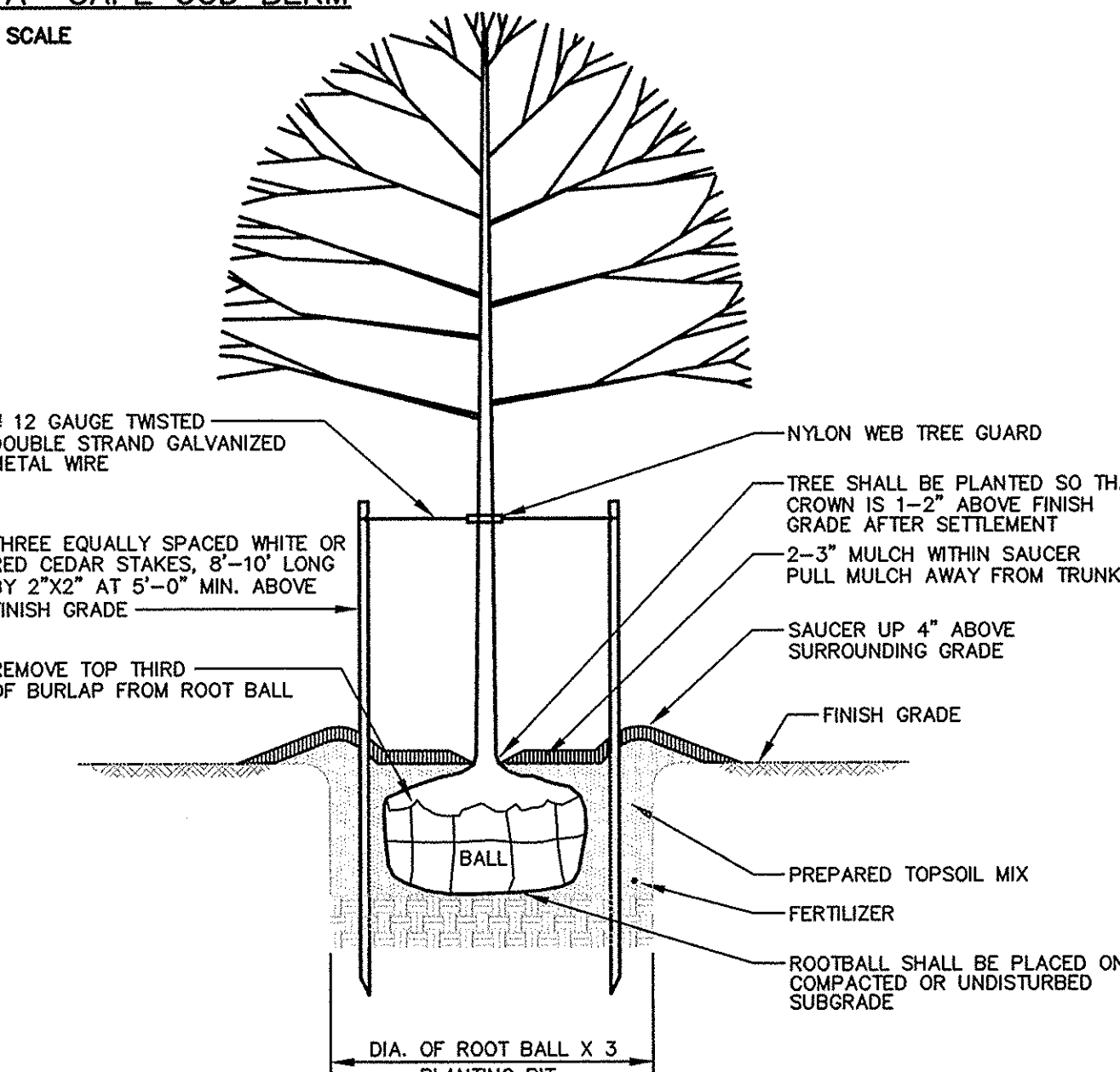
NOTES

- PROPOSED TURTLE BARRIER DETAILS TO BE REVIEWED WITH NHESP PRIOR TO CONSTRUCTION



GRAVITY SEWER CLEANOUT

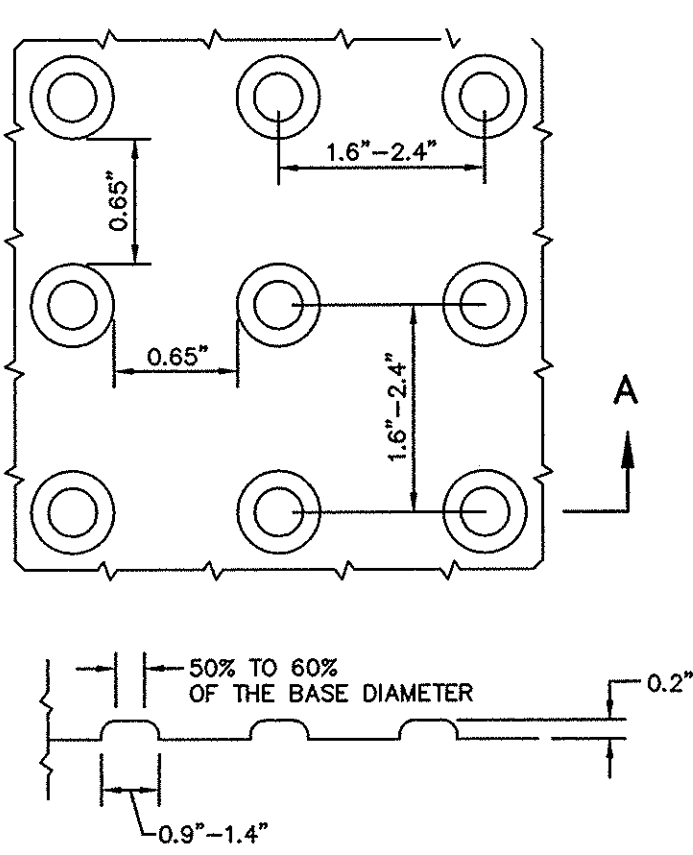
NOT TO SCALE



TREE PLANTING DETAIL

NOT TO SCALE

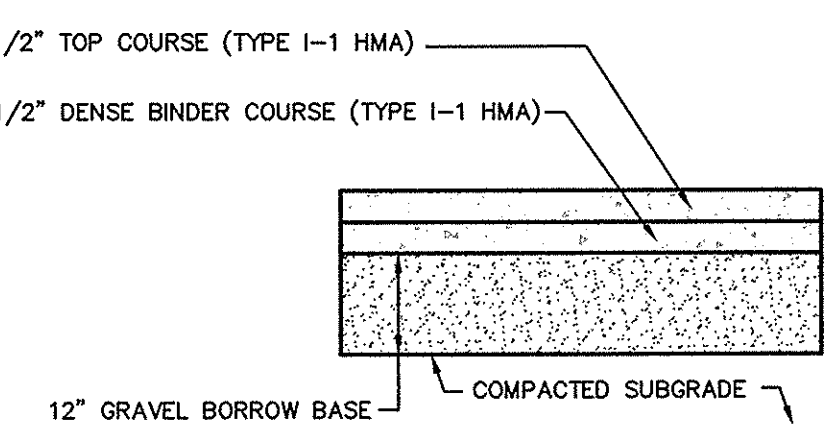
- PREPARED TOPSOIL MIX SHALL CONSIST OF HIGH ORGANIC SOIL WITH NO LESS THAN 10% ORGANIC MATTER.
- ALL PLANTS SHALL BE FLOODED WITH WATER TWICE WITHIN THE FIRST TWENTY-FOUR HOUR PERIOD AFTER PLANTING.



DETECTABLE WARNING PANEL DETAIL

NOT TO SCALE

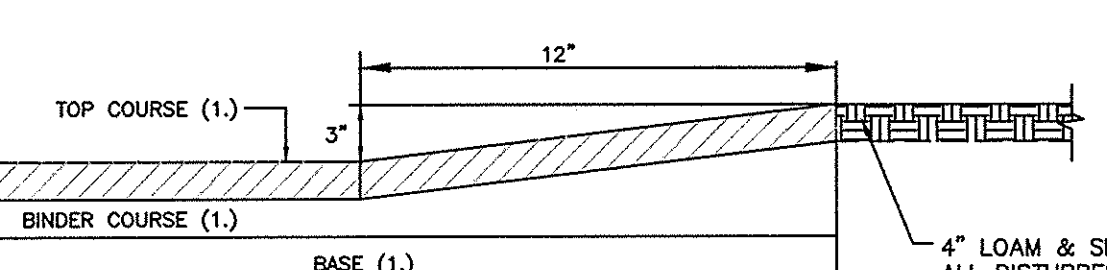
- NOTE:
- PANELS SHALL BE 2448BPAV1 AS MANUFACTURED BY ADA SOLUTIONS, INC.
 - PANELS SHALL BE YELLOW IN COLOR UNLESS OTHERWISE SPECIFIED.



- GRAVEL BORROW BASE SHALL CONFORM TO MASSDOT STANDARD SPECIFICATIONS FOR GRAVEL BORROW SEC. M.1.03.0 TYPE B COMPACTED TO 95% MAX. DRY DENSITY IN 6" MAX. LIFTS.
- BITUMINOUS PAVEMENT SHALL CONFORM TO MASSDOT STANDARD SPECIFICATIONS FOR CLASS 1 TYPE I-1 BITUMINOUS CONCRETE PAVEMENT SEC. 460.2. SUBMIT JOB-MIX FORMULA TO THE OWNERS REPRESENTATIVE FOR APPROVAL.

TYPICAL PAVEMENT SECTION

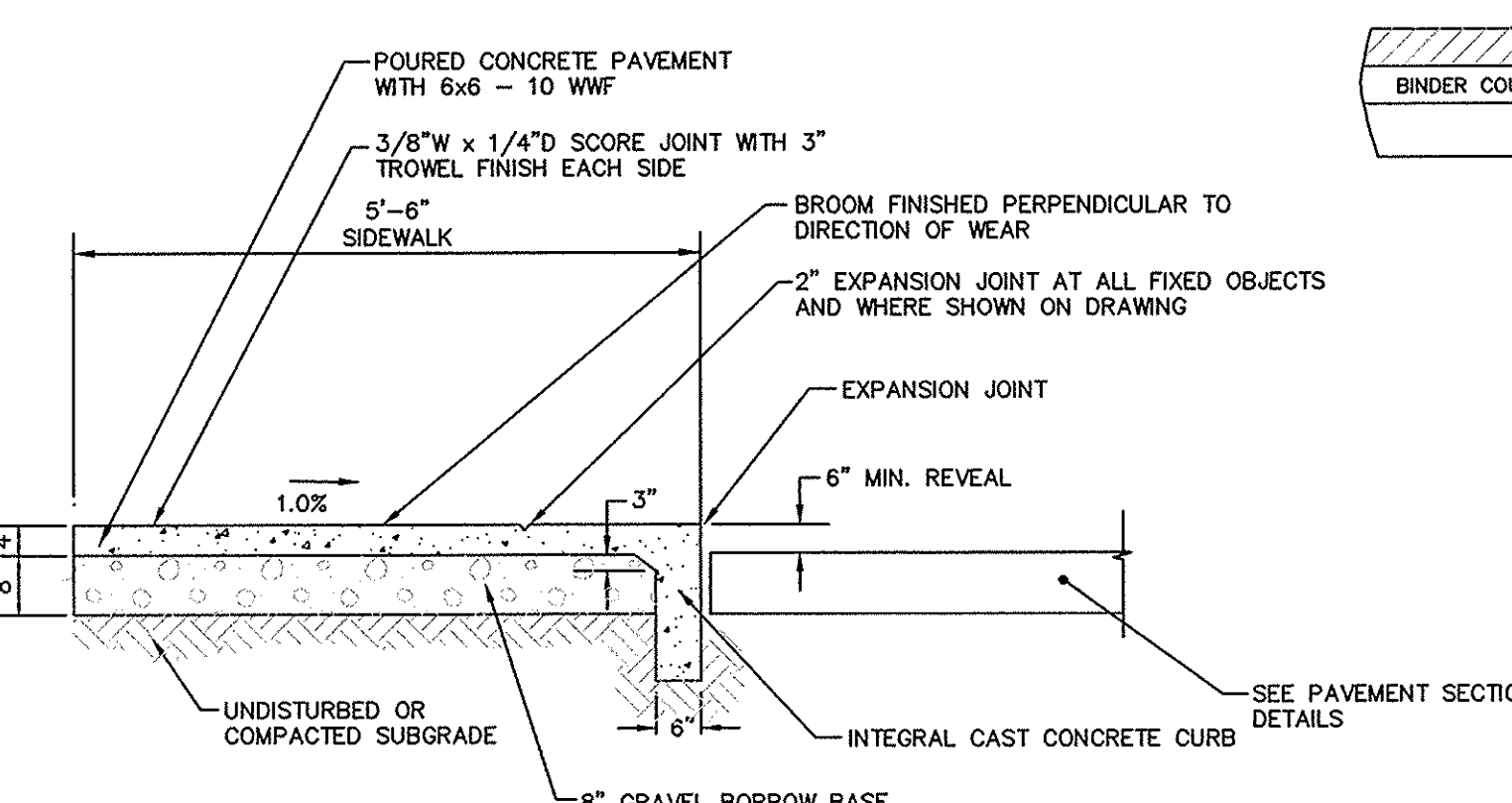
NOT TO SCALE



MONOLITHIC TYPE "A" CAPE COD BERM

NOT TO SCALE

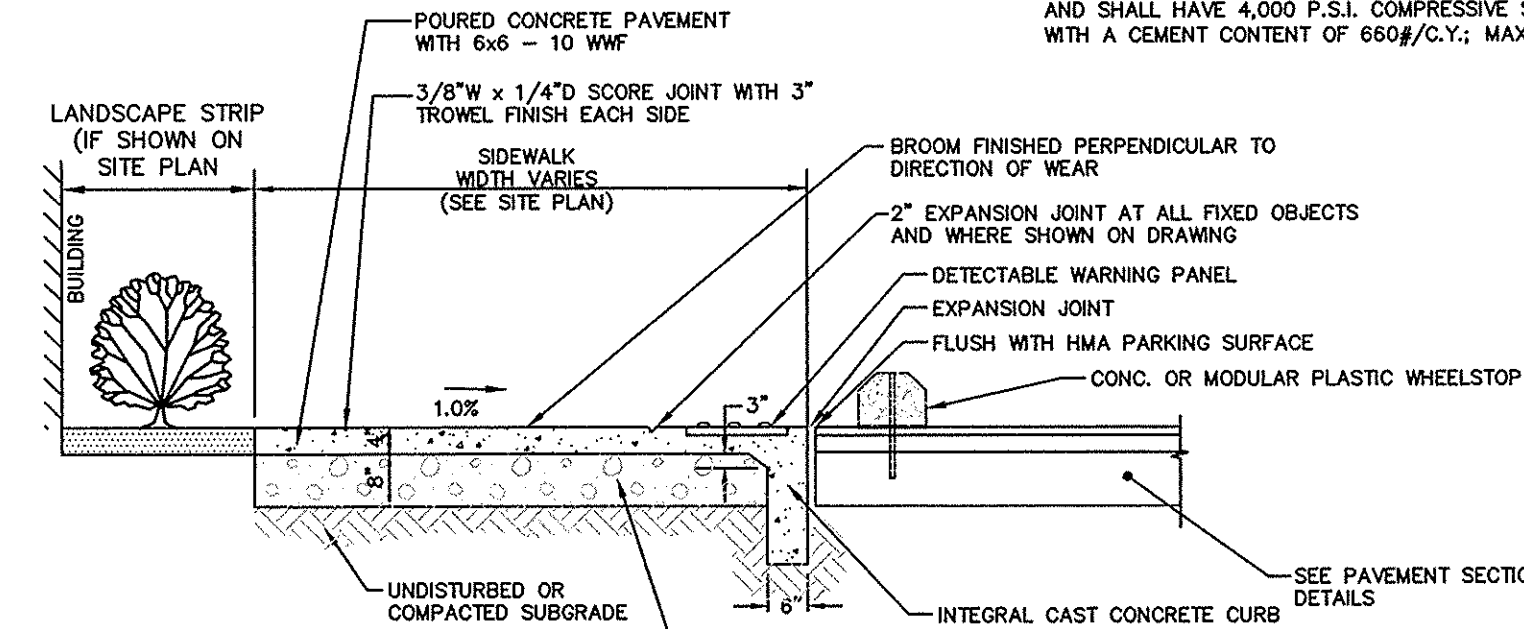
- SEE PAVEMENT SECTION DETAILS FOR MATERIAL SPECIFICATION REFERENCES



CEMENT CONCRETE SIDEWALK SECTION

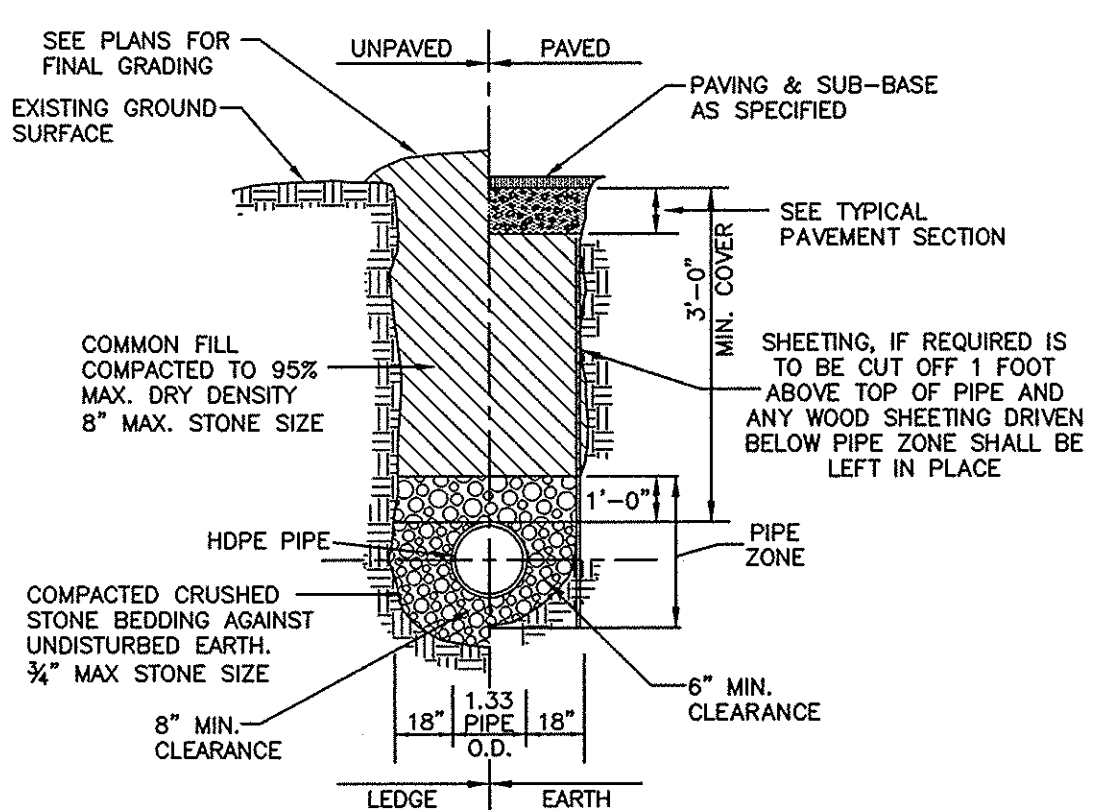
(NOT TO SCALE)

- SCORE JOINT SPACING: MIN. - 4'-0" MAX. - 6'-0", UNLESS OTHERWISE SHOWN ON PLAN.
- EQUAL SPACING BETWEEN EXPANSION JOINTS, 32'-0" MAX., UNLESS OTHERWISE SHOWN ON PLAN.
- CEMENT CONCRETE SHALL CONFORM TO MASSDOT SPEC M4.02.00 AND SHALL HAVE 4,000 P.S.I. COMPRESSIVE STRENGTH @ 28 DAYS WITH A CEMENT CONTENT OF 660#/C.Y.; MAX. AGGREGATE SIZE 3/8"



CEMENT CONCRETE SIDEWALK SECTION-AT HO SPACES

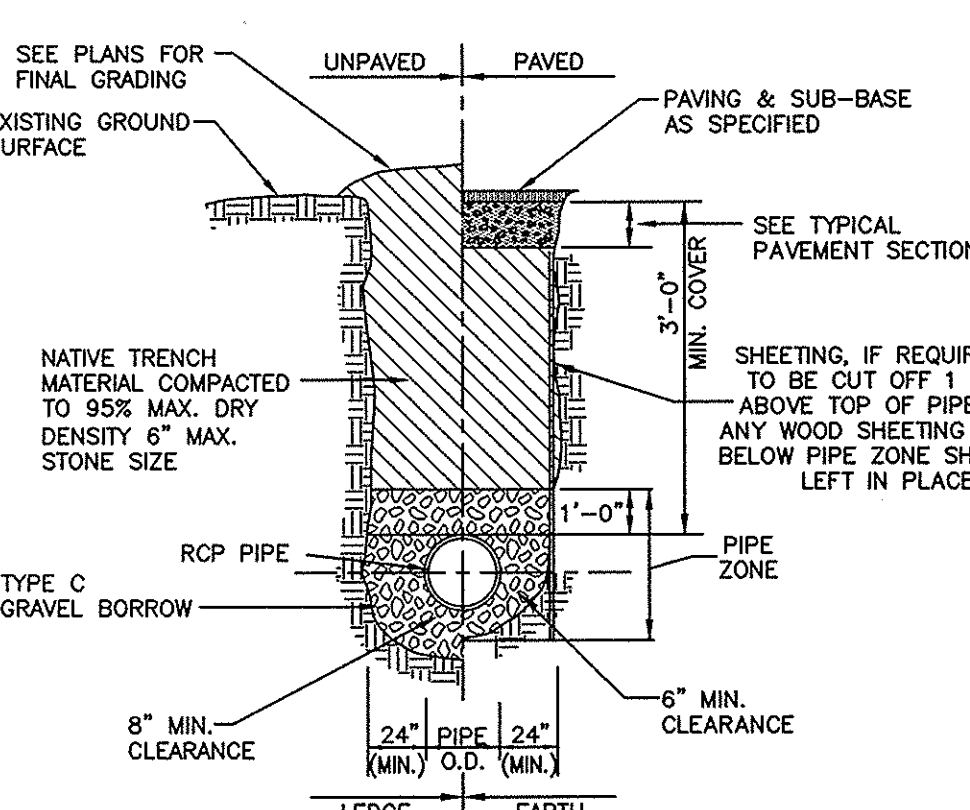
(NOT TO SCALE)



HDPE TRENCH DETAIL

NOT TO SCALE

- TYPE C GRAVEL BORROW SHALL CONFORM TO MASSDOT SPECIFICATION M1.03.0
- CRUSHED STONE SHALL CONFORM TO MASSDOT SPECIFICATION M12.01.4



DI/RCP TRENCH DETAIL/PAY LIMIT

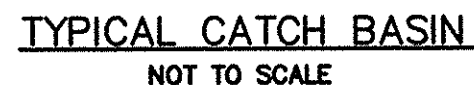
NOT TO SCALE

- TYPE C GRAVEL BORROW SHALL CONFORM TO MASSDOT SPECIFICATION M1.03.0 2" MAX STONE SIZE
- TRENCH WIDTH SHALL BE AS REQUIRED TO PROVIDE ADEQUATE SHORING DURING CONSTRUCTION IN ACCORDANCE WITH ALL APPLICABLE TRENCHING AND SHORING REGULATIONS.



CALCULATED WATER LEVEL ELEVATIONS

	<u>BASIN</u>
	<u>#1</u>
2 YR STORM	79.68
10 YR STORM	80.07
25 YEAR STORM	80.30
100 YEAR STORM	80.88
SPILLWAY ELEVATION	81.00
TOP OF BERM ELEVATION	82.00



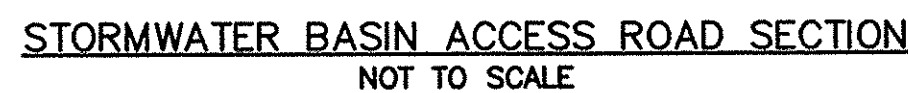
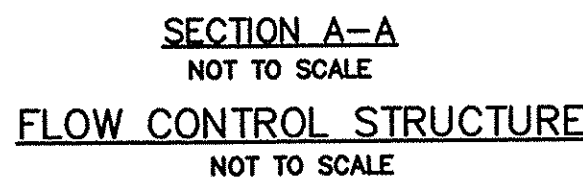
NOTES:

1. CATCH BASIN DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
2. CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
3. FILL OUTSIDE FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
4. BASE SECTION TO BE MONOLITHIC.
5. WHERE CATCH BASIN OF GREATER DIAMETER ARE SPECIFIED ON THE PLANS, THEIR CONSTRUCTION SHALL MEET THE TYPICAL CATCH BASIN SPECIFICATIONS.



1. STONE FOR PIPE ENDS SHALL CONFORM TO MASSDOT SPECIFICATIONS M2.02.3

NOT TO SCALE



STRUCTURE:	A	B	C	D	E	F	G	H	I
BASIN #1	82.00	79.50	78.50	78.00	48"	22"	4"	21"	52"

LOT 10 FLAHERTY DRIVE (ASSESSORS MAP 133, LOT 61)
NEW BEDFORD MASSACHUSETTS