

PROPOSED SITE DEVELOPMENT PLUMBERS' SUPPLY COMPANY

SITE DRAWINGS

ISSUED FOR: PERMITTING
DATE ISSUED: MARCH 16, 2018
LATEST ISSUE: MARCH 28, 2018

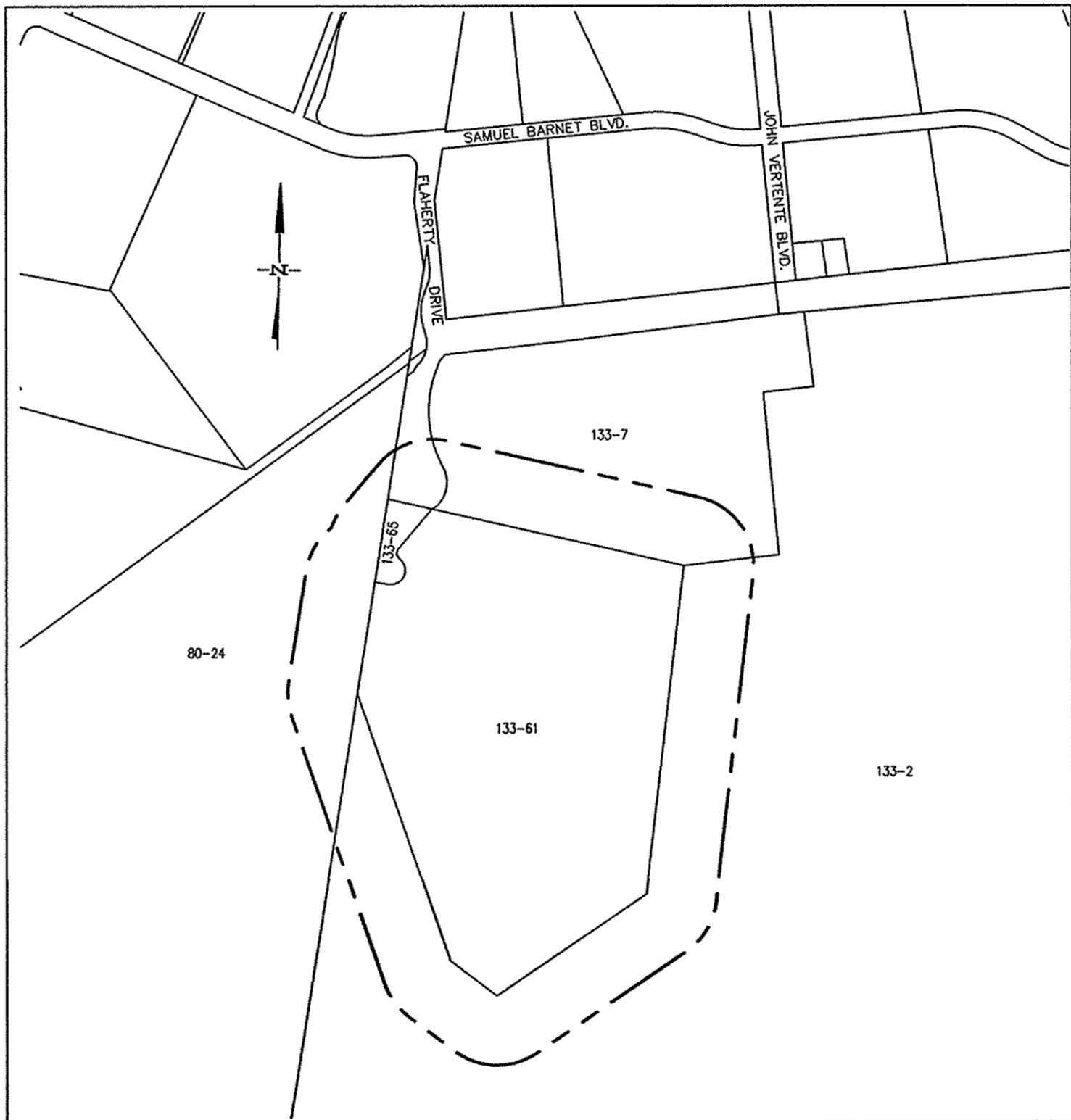
MAP 133 LOT 61, FLAHERTY DRIVE
NEW BEDFORD, MASSACHUSETTS

INDEX TO DRAWINGS

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	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
MATTAPOISETT, 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
MATTAPOISETT, 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

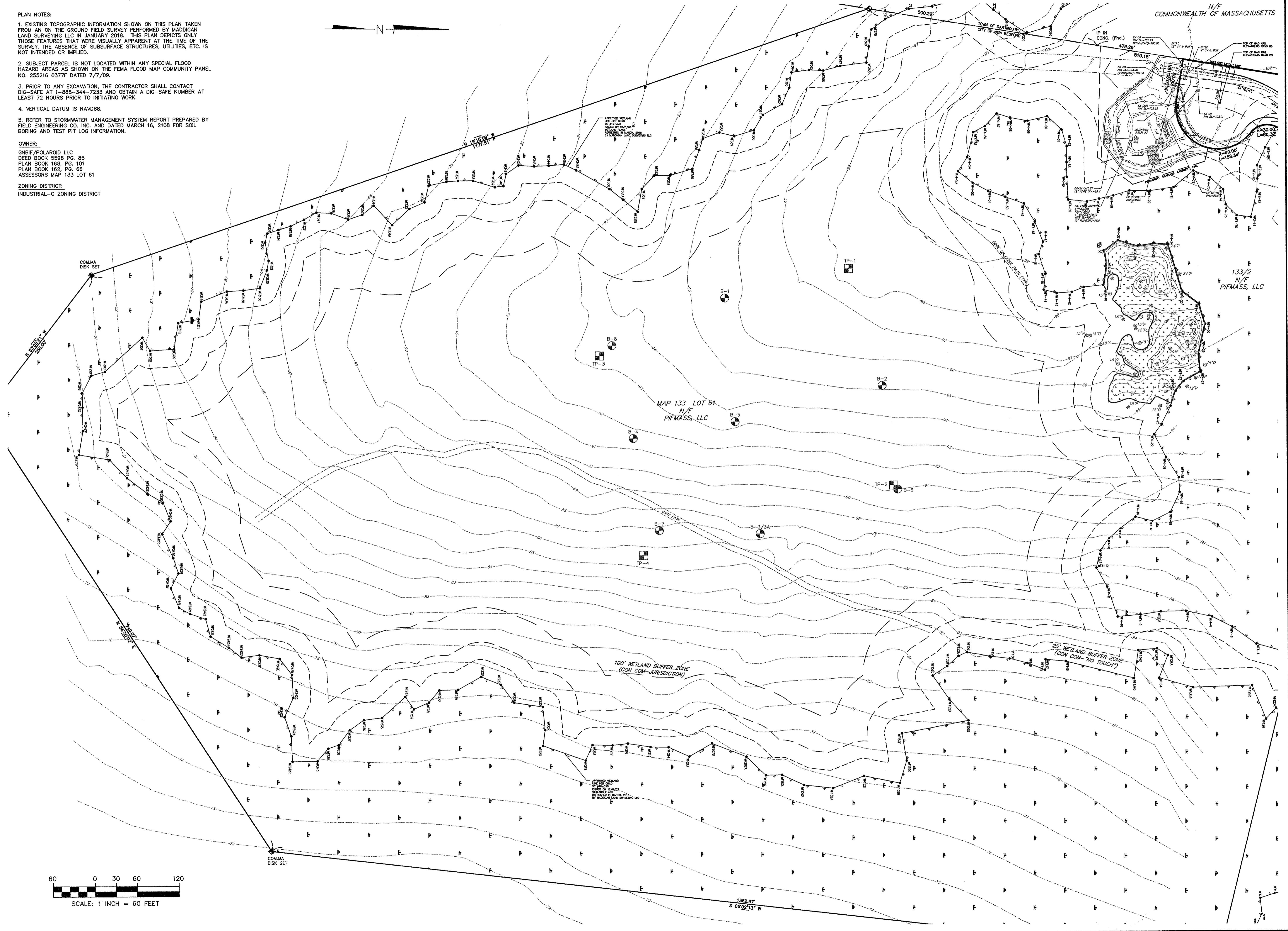
Project No.

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 PANEL 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
PLANNING MAP 162, PG. 66
ASSESSORS MAP 133 LOT 61

ZONING DISTRICT:
INDUSTRIAL-C ZONING DISTRICT



FIELD ENGINEERING CO., INC.
CONSULTING ENGINEERS

110 INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPAN, MA 02726
TEL: (508) 758-2749
FAX: (508) 758-2849

Revisions				
No.	Description	Date	App'd.	
1	NO CHANGES THIS SHEET	3/28/18	RRR	

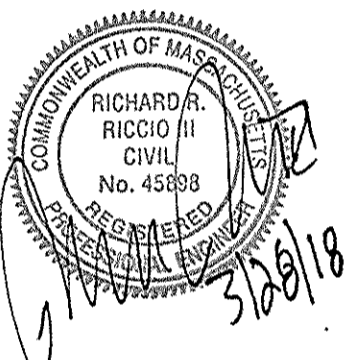
Scale
1"=60'

Drawn By
RMS

Designed By
RRR

Checked By
RRR

Issued For
PERMITTING



**PROPOSED SITE DEVELOPEMENT
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

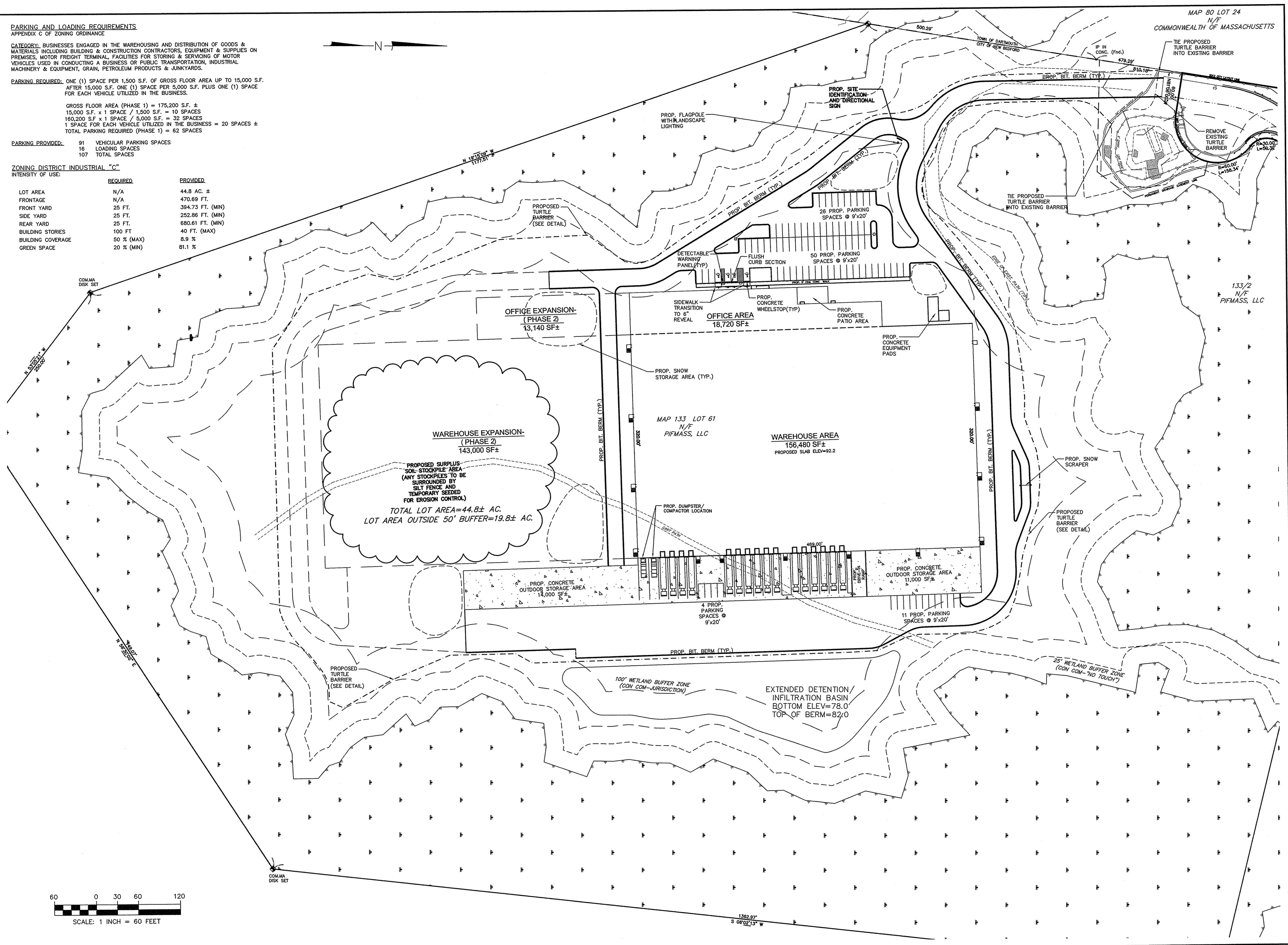
EC-1

CATEGORY: BUSINESSES ENGAGED IN THE WAREHOUSING AND DISTRIBUTION OF GOODS & MATERIALS INCLUDING BUILDING & CONSTRUCTION CONTRACTORS, EQUIPMENT & SUPPLIES ON PREMISES, MOTOR FREIGHT TERMINAL, FACILITIES FOR STORING & SERVICING OF MOTOR VEHICLES USED IN CONDUCTING A BUSINESS OR PUBLIC TRANSPORTATION, INDUSTRIAL MACHINERY & EQUIPMENT, GRAIN, PETROLEUM PRODUCTS & JUNKYARDS.

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

ZONING DISTRICT INDUSTRIAL "C"
INTENSITY OF USE:

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



MAP 80 LOT 24
N/F
COMMONWEALTH OF MASSACHUSETTS

FIELD
ENGINEERING
CO., INC.
CONSULTING ENGINEERS

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

[illegible]

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

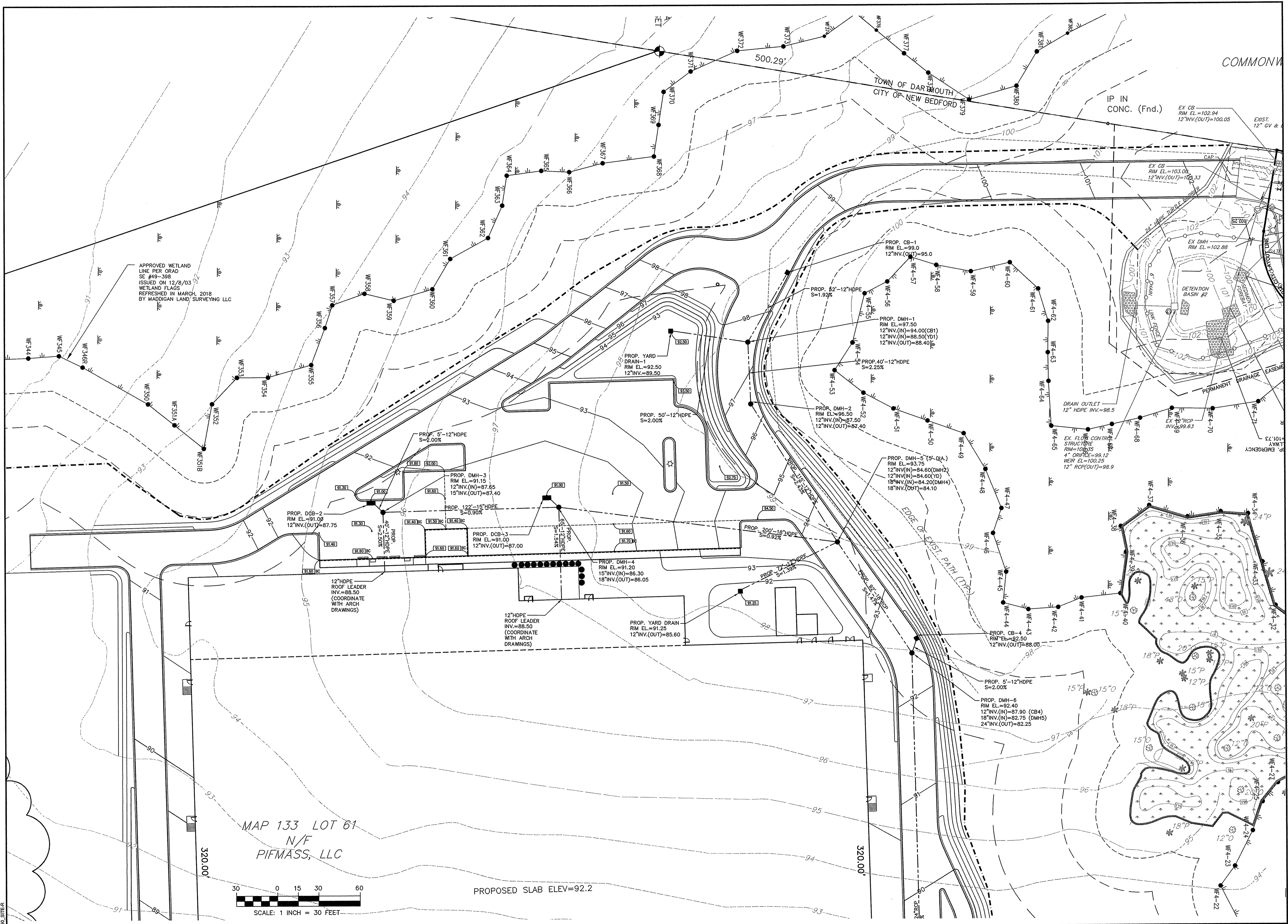
	Drawing Title
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SITE LAYOUT

Project No.	2190
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Sheet
4 OF 14

SL-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	App'd.	
1	MINOR REV. FOR SITE PLAN REVIEW	3/28/18	RRR	

Date

3/16/18

Scale

1"=30'

Drawn By	Designed By	Checked By
RMS	RRR	RRR

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PERMITTING

SEAL

RICHARD A. RICCI
CIVIL
No. 45898
3/16/18

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
2190	5 OF 14

SG-1

100,400 ST ±
PROPOSED SLAB ELEV=92.2

FIELD
ENGINEERING
CO., INC.
CONSULTING ENGINEERS

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

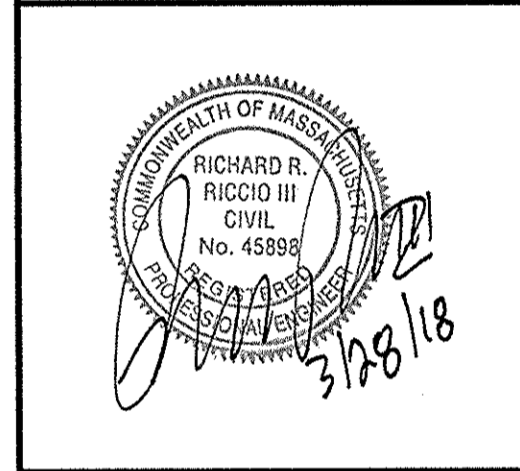
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No.	Description	Date	App'd	Rev'd
1	NO CHANGES THIS SHEET	3/28/18	RRR	

Date: 3/16/18

Scale: 1"=30'

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Designed By: RRR
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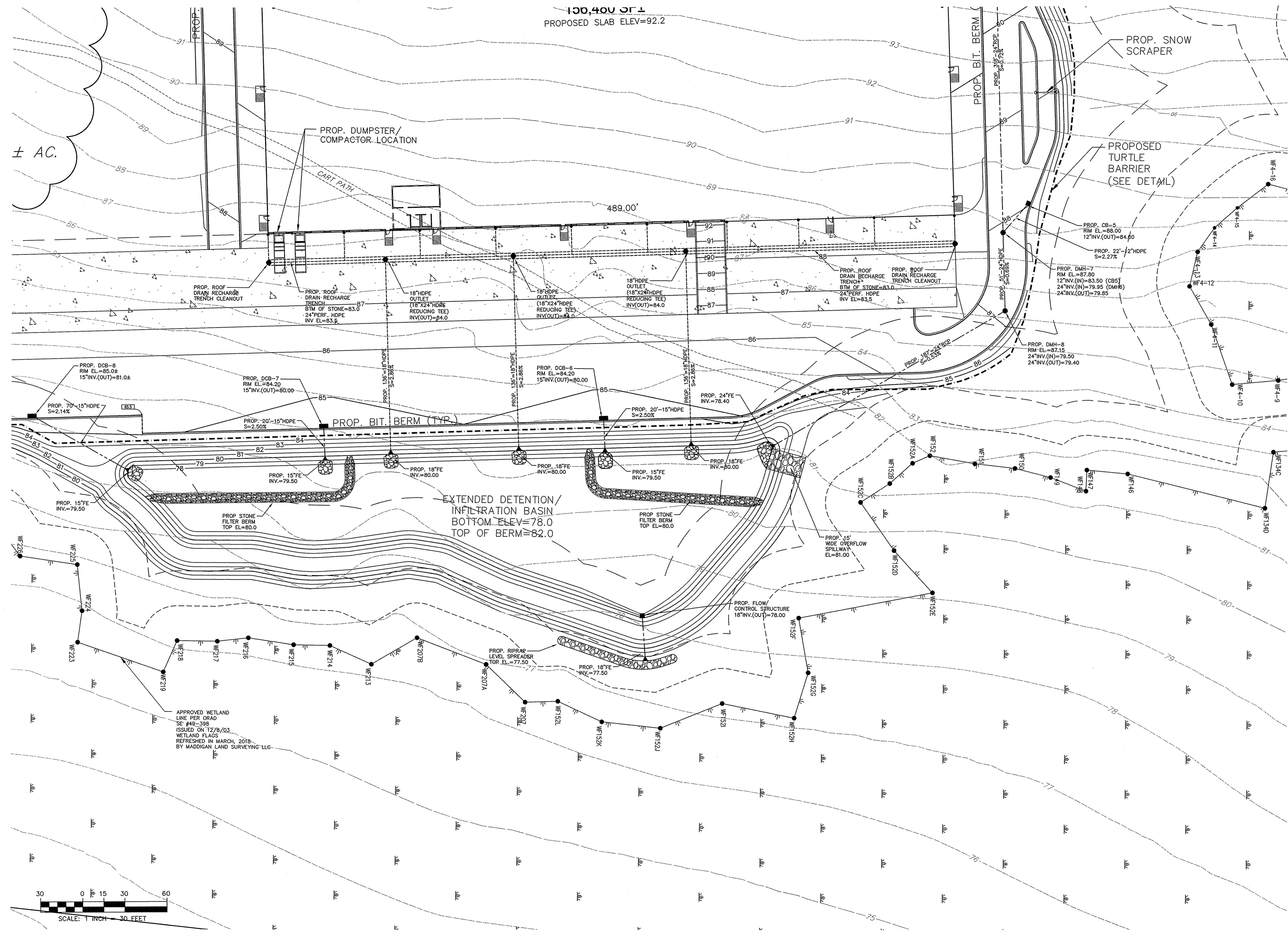
PROPOSED SITE DEVELOPMENT
PLUMBERS' SUPPLY COMPANY

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

Drawing Title: **SITE GRADING**

Project No. 2190
Sheet 6 OF 14

SG-2



[illegible]

Date 3/16/18

Scale $1"=30'$

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

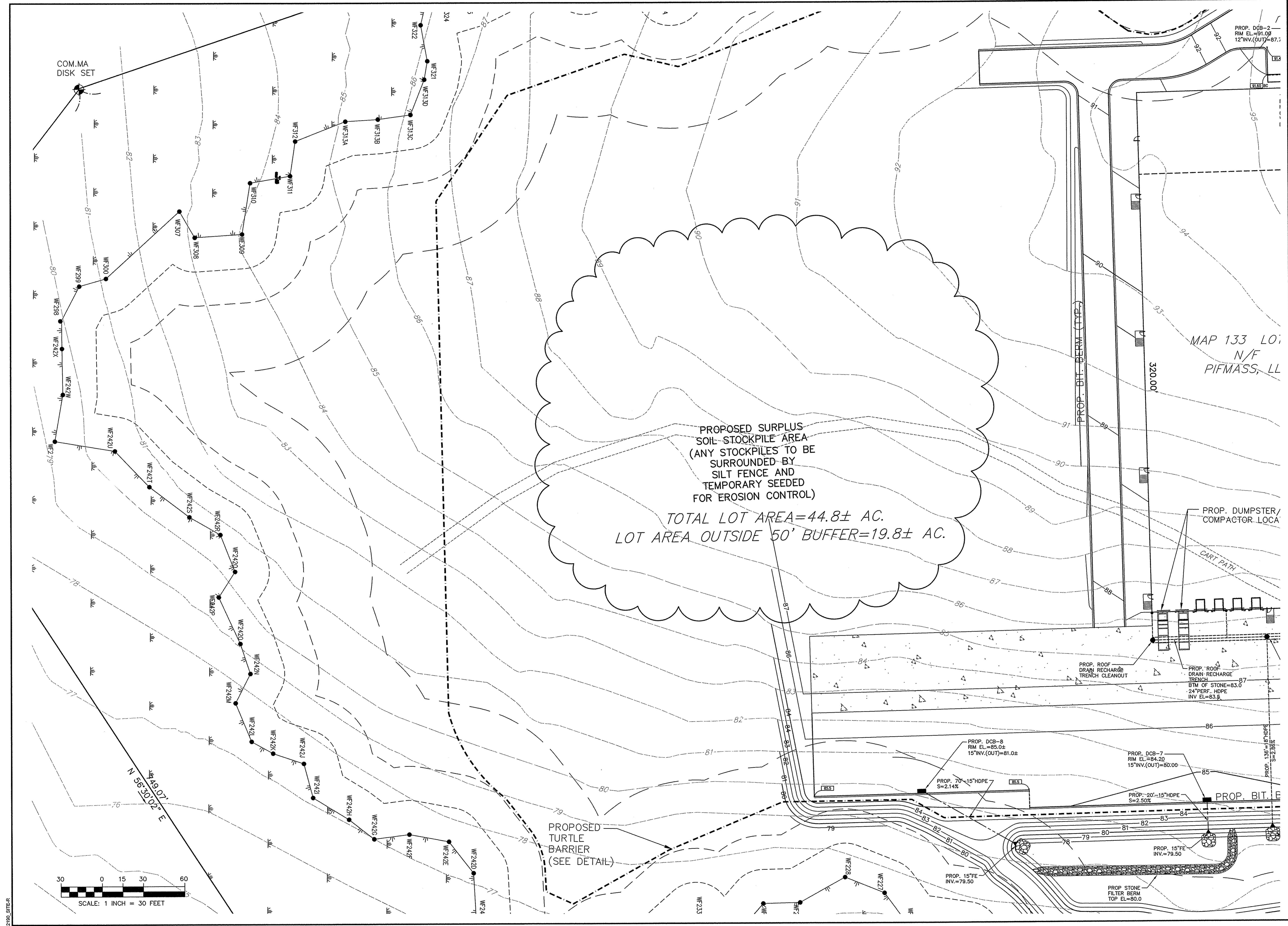
LOT 10 FLAHERTY DRIVE (ASSESSORS MAP 133, LOT 61)
NEW BEDFORD, MASSACHUSETTS

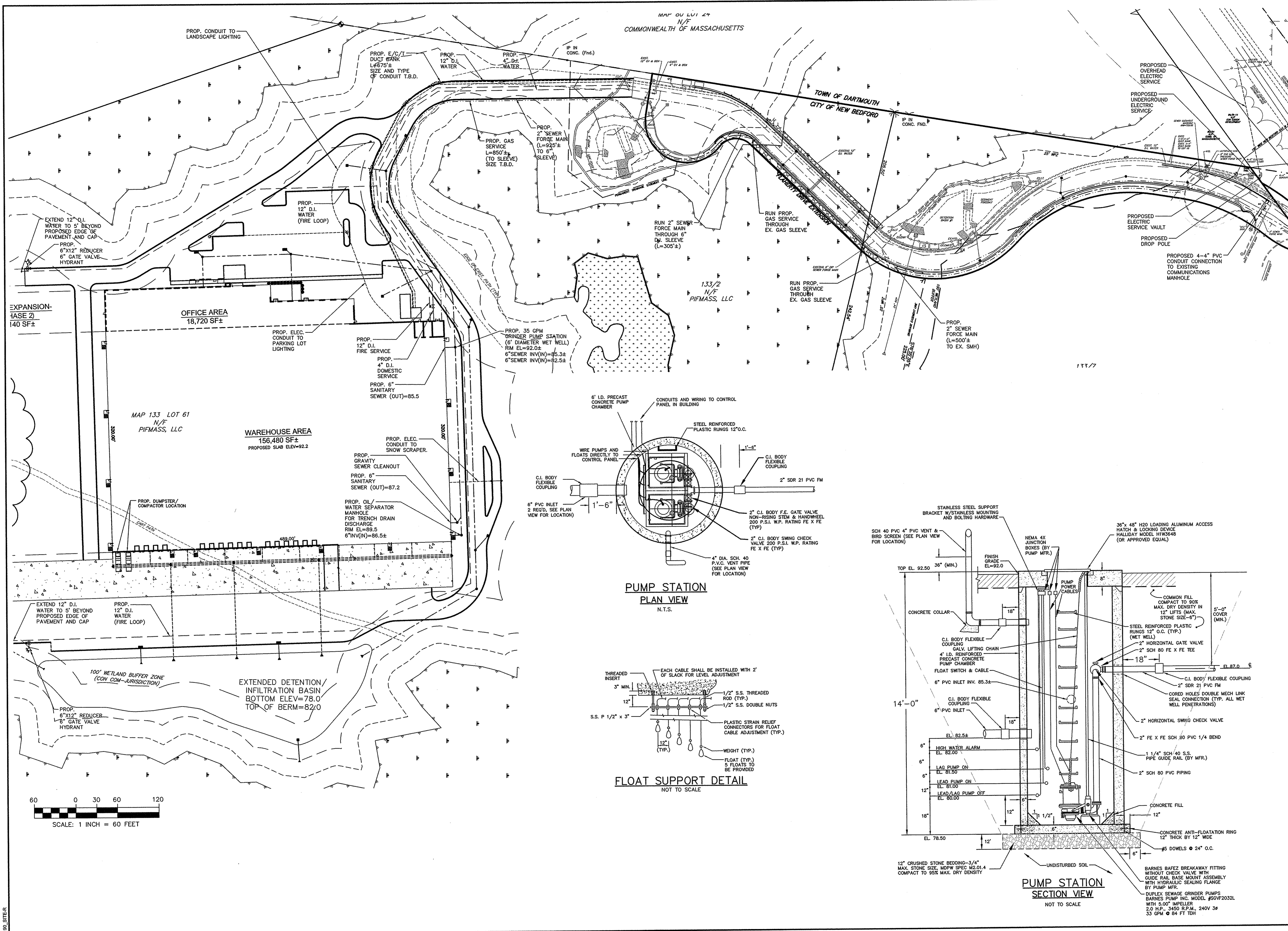
Drawing Title

SITE
GRADING

Project No. 2190	Sheet 7 OF 14
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SG-3

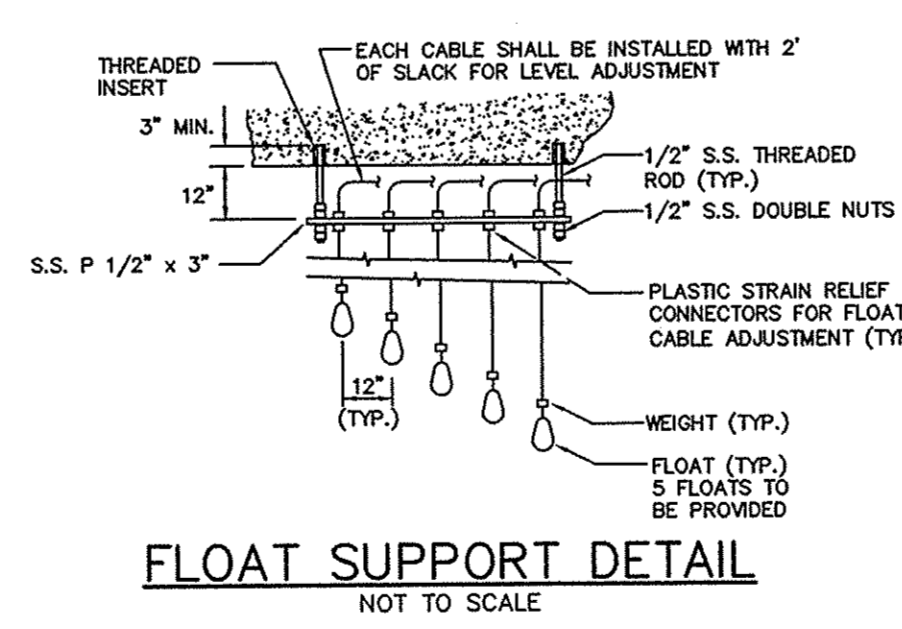




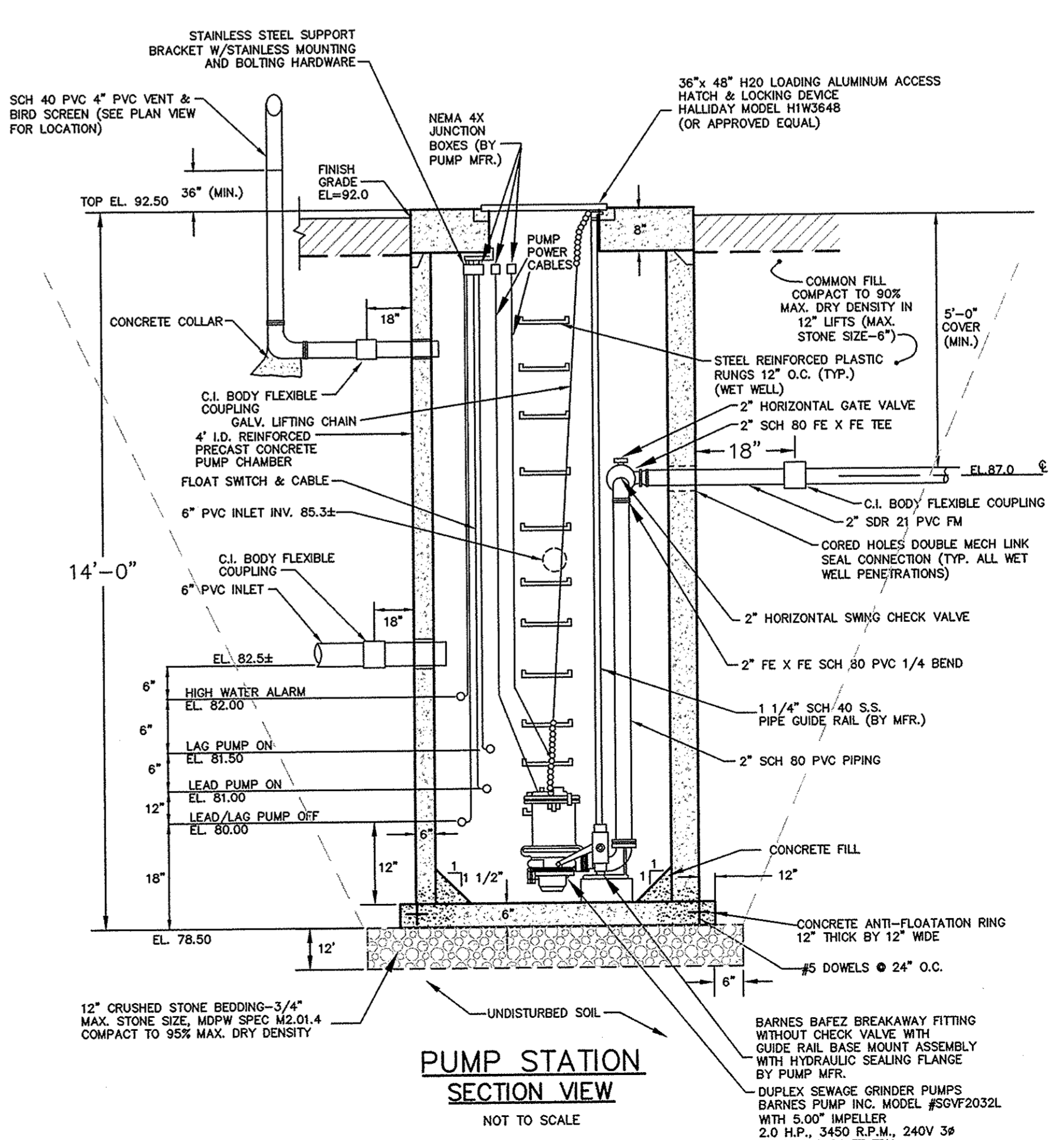
MAP 00 L01 24
N/F
COMMONWEALTH OF MASSACHUSETTS

TOWN OF DARTMOUTH
CITY OF NEW BEDFORD

**PUMP STATION
PLAN VIEW**
N.T.S.



FLOAT SUPPORT DETAIL
NOT TO SCALE



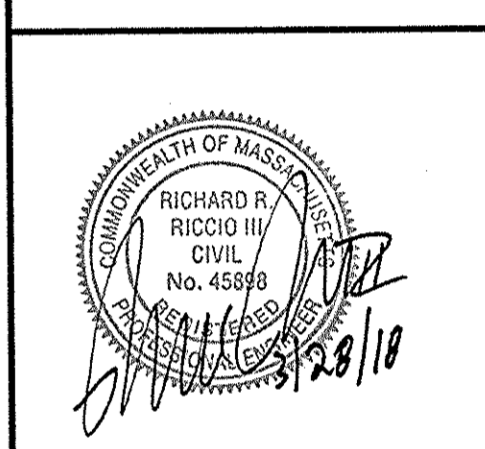
**PUMP STATION
SECTION VIEW**
NOT TO SCALE

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

110 INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPANSETT, MA 02739
TEL: (608) 758-2749
FAX: (608) 758-2849

Revisions				
No.	Description	Date	Appd.	
1	ADD CONDUIT FOR LANDSCAPE LIGHTING	3/28/18	RRR	

Date: 3/16/18
Scale: 1"=60'
Drawn By: RMS
Designed By: RRR
Checked By: RRR
Issued For: PERMITTING



PROPOSED SITE DEVELOPMENT
PLUMBERS' SUPPLY COMPANY

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

Drawing Title: SITE UTILITIES

Project No.: 2190 Sheet: 8 OF 14

SU-1

[illegible]

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No.	Description	Date	Appv

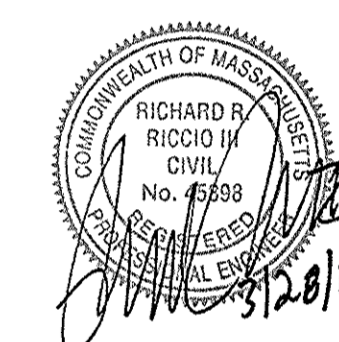
Date 3/16/18

Scale $1"=30'$

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

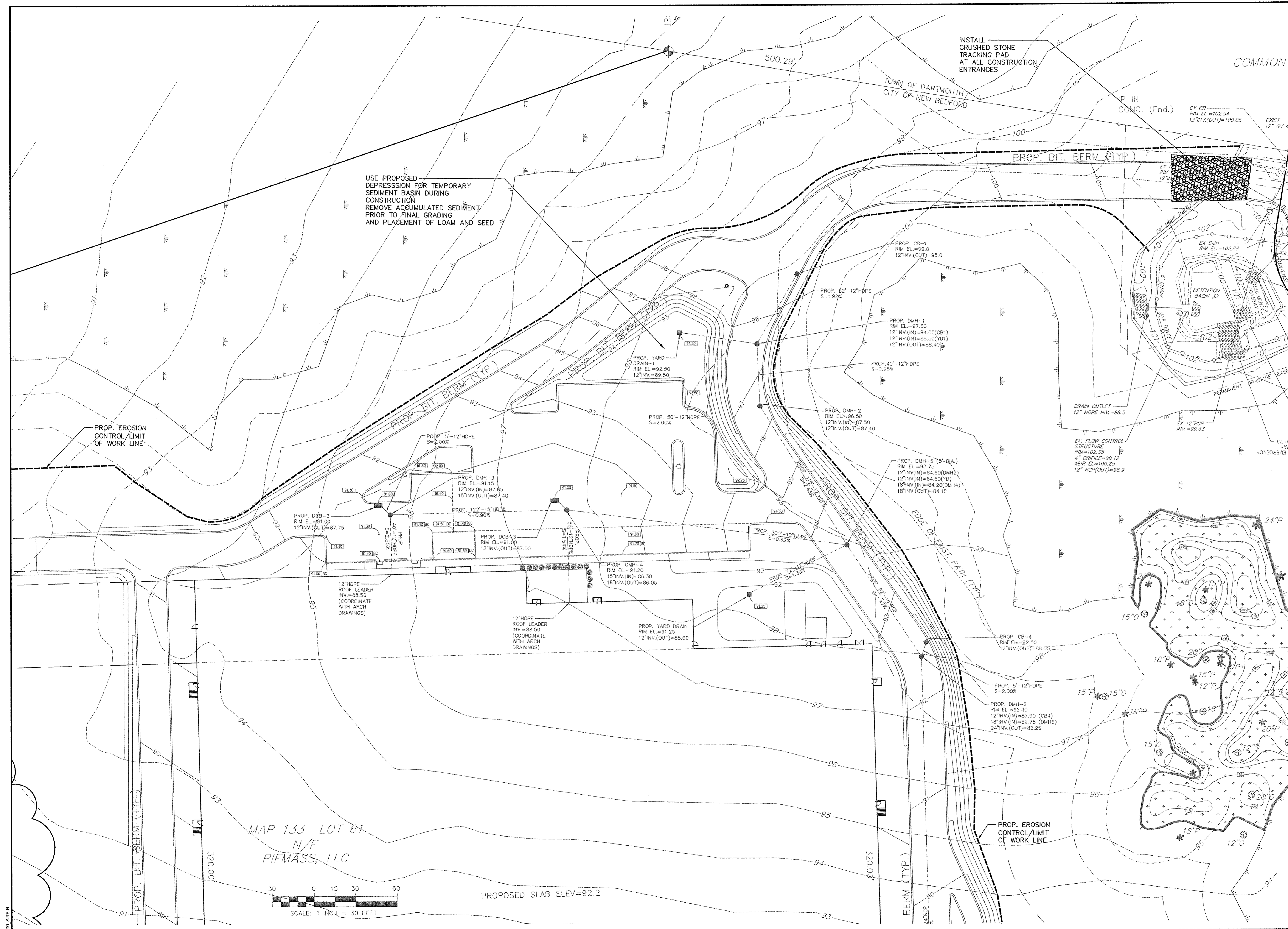
LOT 10 FLAHERTY DRIVE (ASSESSORS MAP 133, LOT 61)
NEW BEDFORD, MASSACHUSETTS

Drawing Title

**SEDIMENTATION &
EROSION CONTROL**

Project No.	Sheet
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SEC-1



Revisions			
No.	Description	Date	App'd.
1	NO CHANGES THIS SHEET	3/28/18	RRR

Scale		
1"=30'		
Drawn By	Designed By	Checked By
RMS	RRR	RRR
Issued For		

PERMITTING

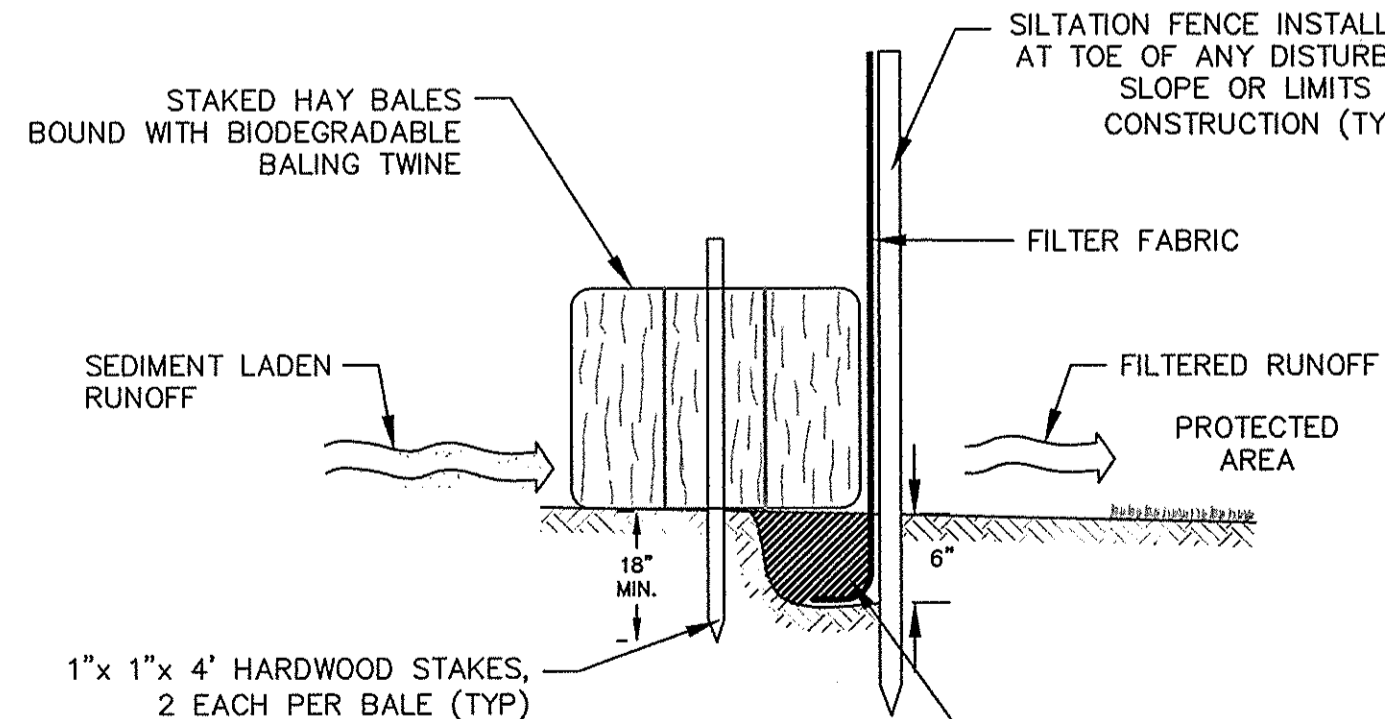
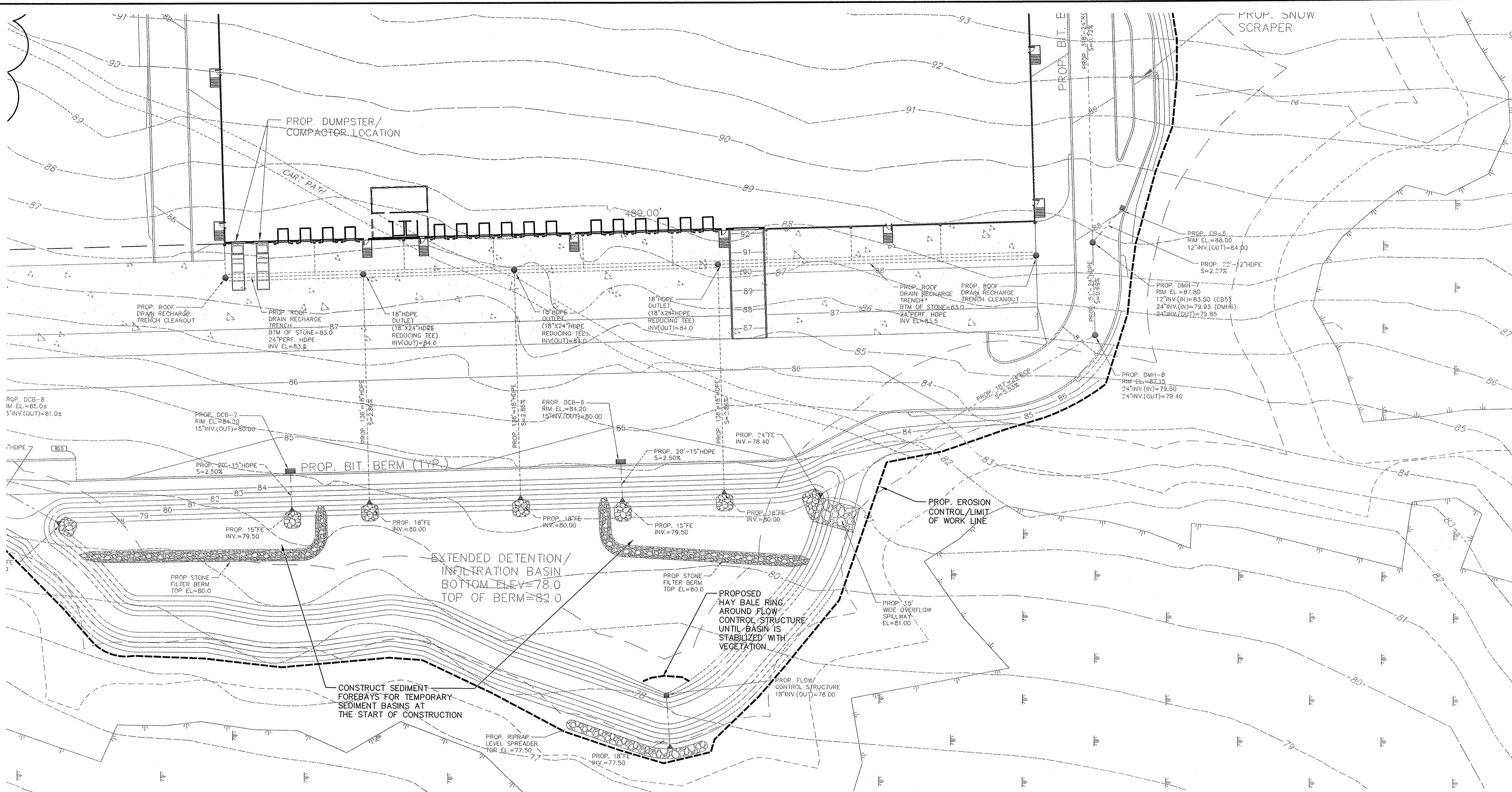


**PROPOSED SITE DEVELOPEMENT
PLUMBERS' SUPPLY COMPANY**

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

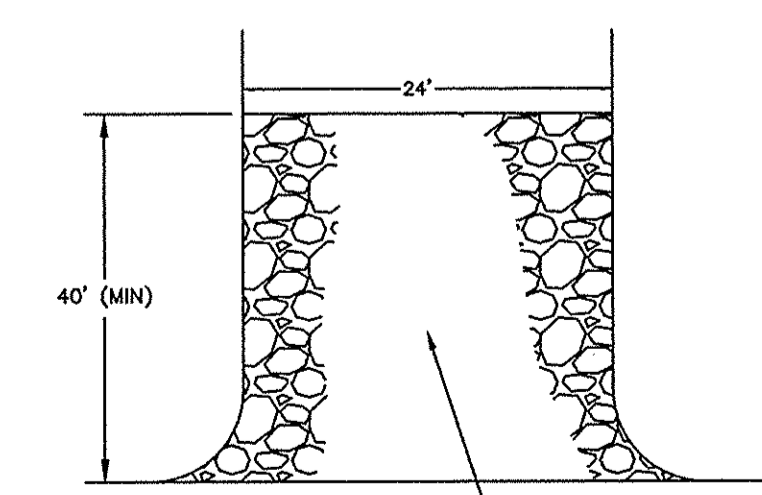
Drawing Title	
SEDIMENTATION & EROSION CONTROL	
Project No.	Sheet
2190	10 OF 14

SEC-2



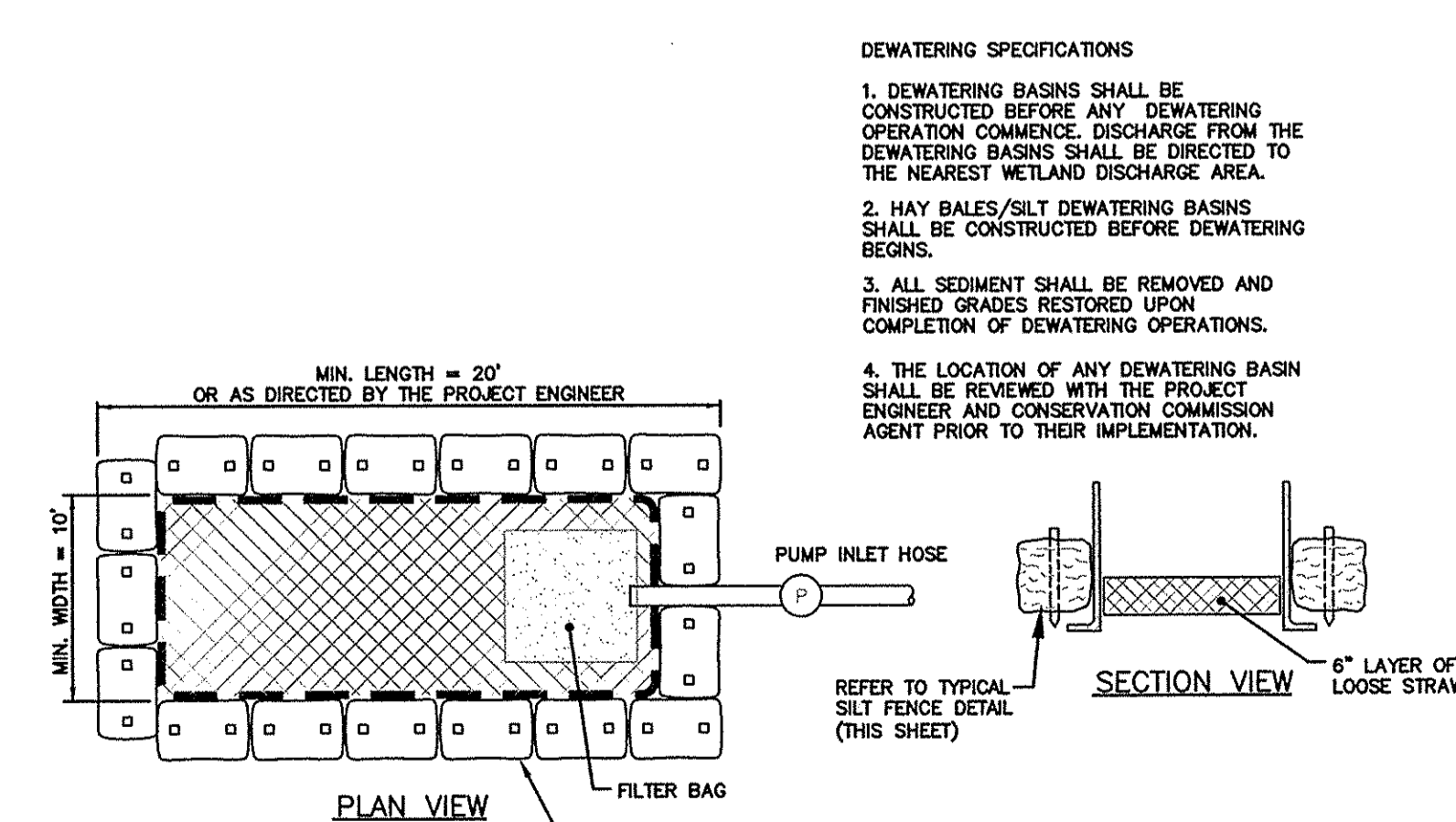
- NOTES:**
1. SILTATION FENCE SHALL BE "ENVIROFENCE" AS MANUFACTURED BY MIRAFI, INC. OR AN APPROVED EQUAL.
 2. SILTATION FENCING SHALL BE INSTALLED DOWN SLOPE OF ALL PROPOSED AND EXISTING DISTURBED AREAS, OR AS SHOWN ON THE PLANS.
 3. EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL VEGETATIVE COVER 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



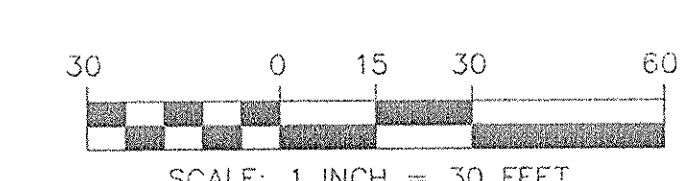
TEMPORARY CONSTRUCTION PAD
NOT TO SCALE

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



DEWATERING BASIN
NOT TO SCALE

- DEWATERING SPECIFICATIONS**
1. DEWATERING BASINS SHALL BE CONSTRUCTED BEFORE ANY DEWATERING OPERATION 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.



OM, MA
SK SET

OFFICE EXPANSION-
(PHASE 2)
13,140 SF±

SIDEWALK
TRANSITION
TO 6"
REVEAL

OFI
18

WAREHOUSE EXPANSION-
(PHASE 2)
143,000 SF±

PROPOSED SURPLUS
SOIL STOCKPILE AREA
(ANY STOCKPILES TO BE
SURROUNDED BY
SILT FENCE AND
TEMPORARY SEEDED
FOR EROSION CONTROL)

TOTAL LOT AREA=44.8± AC.
LOT AREA OUTSIDE 50' BUFFER=19.8± AC.

PROP. EROSION
CONTROL/LIMIT
OF WORK LINE

MAP 133 LOT 61
N/F
PIFMASS, LLC

PROP. DUMPSTER/
COMPACTOR LOCATION

CART PATH

PROP. ROOF
DRAIN RECHARGE
TRENCH CLEANOUT

PROP. ROOF
DRAIN RECHARGE
TRENCH

18" HDPE
OUTLET
(18" X24"
REDUCING
INV. OUT)

PROP. DGB-8
RIM EL.=85.0±
15" INV. (OUT)=81.0±

PROP. 70"-15" HDPE
S=2.14%

PROP. DGB-7
RIM EL.=84.20
15" INV. (OUT)=80.00

PROP. 20"-15" HDPE
S=2.50%

PROP. 136"-15" HDPE
S=2.50%

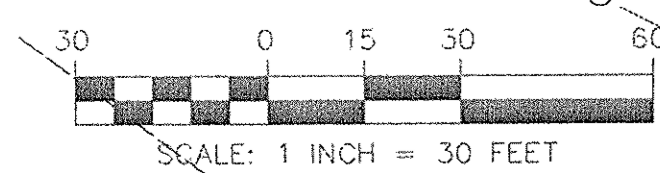
PROP. BIT. BERM

PROP. 15" FE
INV.=79.50

100' WETLAND BUFFER ZONE
(CON. CON. BUFFER ZONE)

PROP. STONE
FILTER BERM
TOP EL.=80.0

PROP. INV.=80



2480 SITE

**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	App'd.
1	NO CHANGES THIS SHEET	3/28/18	RRR

Date 3/16/18

Scale 1"=30'

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
SEDIMENTATION &
EROSION CONTROL

Project No. 2190 Sheet 11 OF 14

SEC-3

GENERAL NOTES

LANDSCAPING SHOWN FOR PERMITTING PURPOSES ONLY

CONTRACTOR SHALL REVIEW ANY CHANGES IN SPECIES COUNTS AND LOCATIONS WITH THE OWNER AND PROJECT ENGINEER AND SUBMIT TO THE CITY OF NEW BEDFORD PLANNING DEPARTMENT FOR APPROVAL PRIOR TO INSTALLATION



Product Description

Product Description

The Cree Greed™ wall mount luminaire has a slim, low profile design. The luminaire end caps are made from rugged die cast aluminum with integral, weatherized LED driver compartments and high performance aluminum heat sinks specifically designed for LED applications. Housing is rugged aluminum. Includes a lightweight mounting box for installation over standard mud ring single gang J-Boxes. Secure to wall with four 3/16" (5mm) screws (by others). Conduct entry from top, bottom, sides and rear. Allows mounting for uplight or downlight. Designed and approved for easy through-wiring. Includes leaf/debris guard.

Applications: General area and security lighting

Performance Summary

Patented NanoOptec® Product Technology
Made in the U.S.A. of U.S. and imported parts
CRI: Minimum 70 CRI
CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard
Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

Accessories

Field-Installed	<p>End Splice XA-BRDSFK</p> <p>Hand-Held Remote XA-SEN5REM</p> <p>• For successful implementation of the programmable multi-Hz option, a minimum of one hand-held remote is required</p>
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Ordering Information

Example: SEC-EDG-2M-WM-06-E-UL-SV-700

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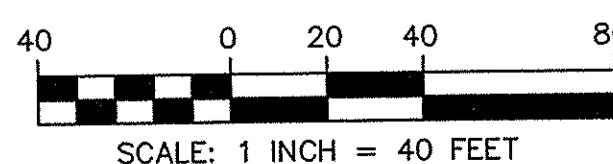
Rev. Date: V2 07/21/2019

CREE 

TYPICAL WALLPACK LIGHTING DETAIL

NOTE:

1. SPECIFICATION FOR WALLPACKS SHOWN ON THIS DRAWING ARE FOR PERMITTING PURPOSES. ANY ALTERNATIVE WALLPACK MANUFACTURERS OR DESIGNS SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR REVIEW.
2. A COMPLETE LIGHTING AND PHOTOMETRIC PLAN SHALL BE PROVIDED TO THE CITY PRIOR TO CONSTRUCTION.



SCALE: 1 INCH = 40 FEET

PROPOSED DETENTION BASIN BOTTOM TO BE SEED
WITH NEW ENGLAND WETMIX (WETLAND SEED MIX)
AS SUPPLIED BY NEW ENGLAND
WETLAND PLANTS INC. (OR APPROVED EQUAL)

PROPOSED WALLPACK
LIGHTING TO BE PROVIDED
ON BUILDING
REFER TO FINAL
ARCH DRAWINGS
FOR ADDITIONAL DETAIL

WAREHOUSE AREA
156,480 SF±
PROPOSED SLAB ELEV=92.2

NOTE: ALL DISTURBED AREAS NOT SPECIFIED FOR SPECIFIC PLANTINGS AND/OR SEED MIX SHALL BE LOAMED AND SEEDED WITH MASSDOT STANDARD SEED MIX AS SPECIFIED ON SHEET N-1 UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER, ARCHITECT, OR OWNER.

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

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

[illegible]

1	MINOR REV. FOR SITE PLAN REVIEW	3/28/18	RRR
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Date 3/16/18

Scale $1"=40'$

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

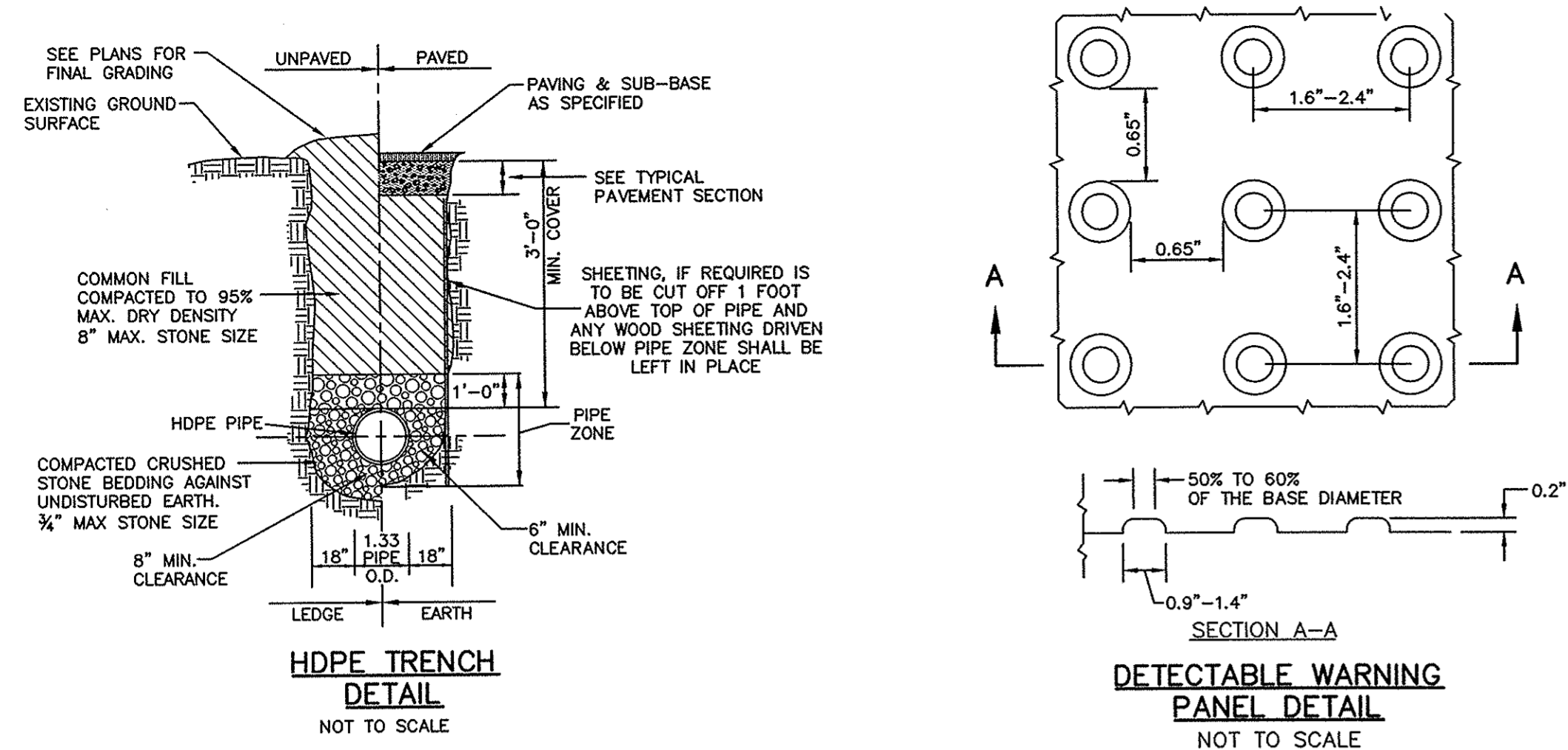
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**SITE LIGHTING
& LANDSCAPING**

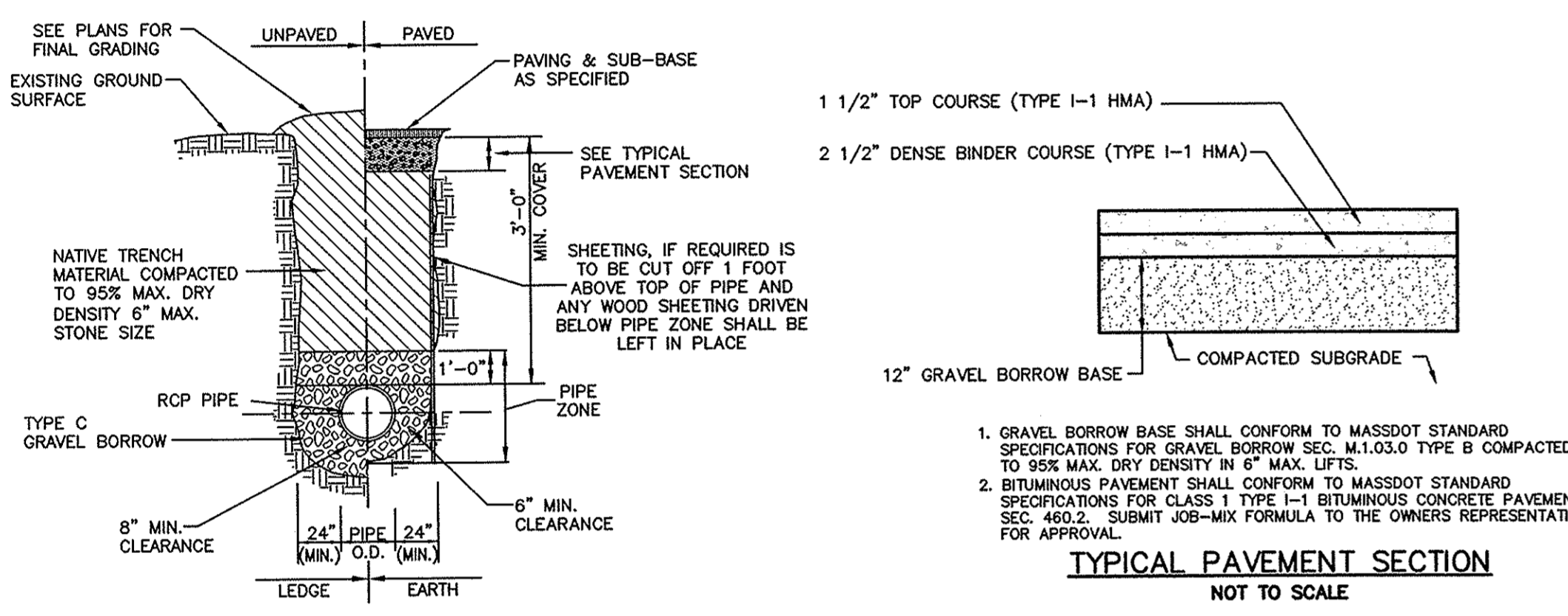
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Sheet
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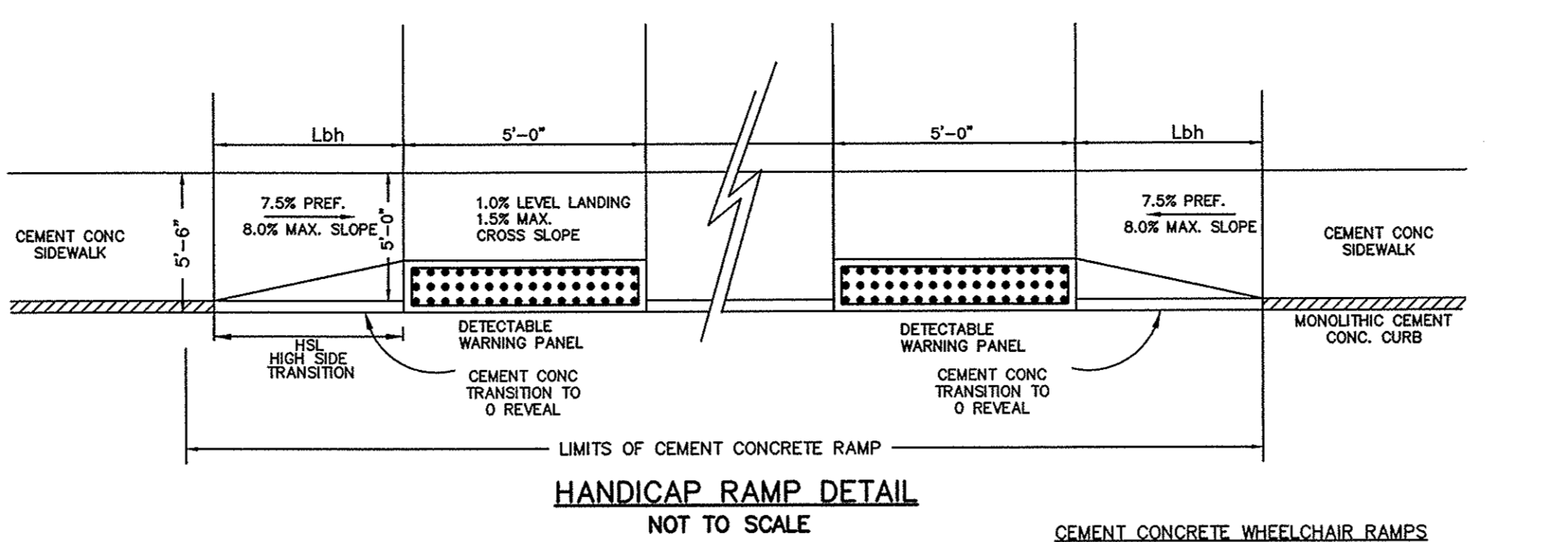
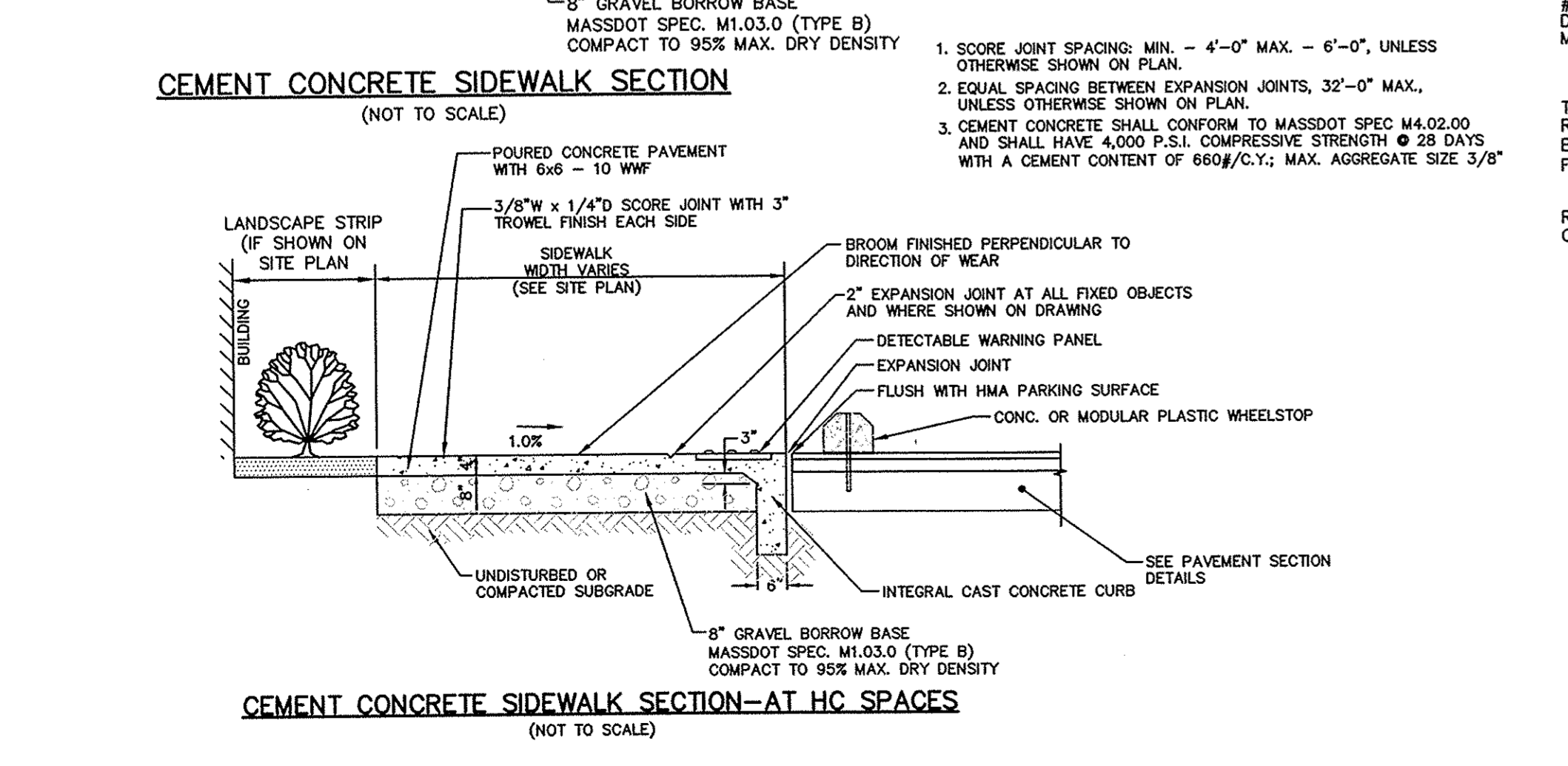
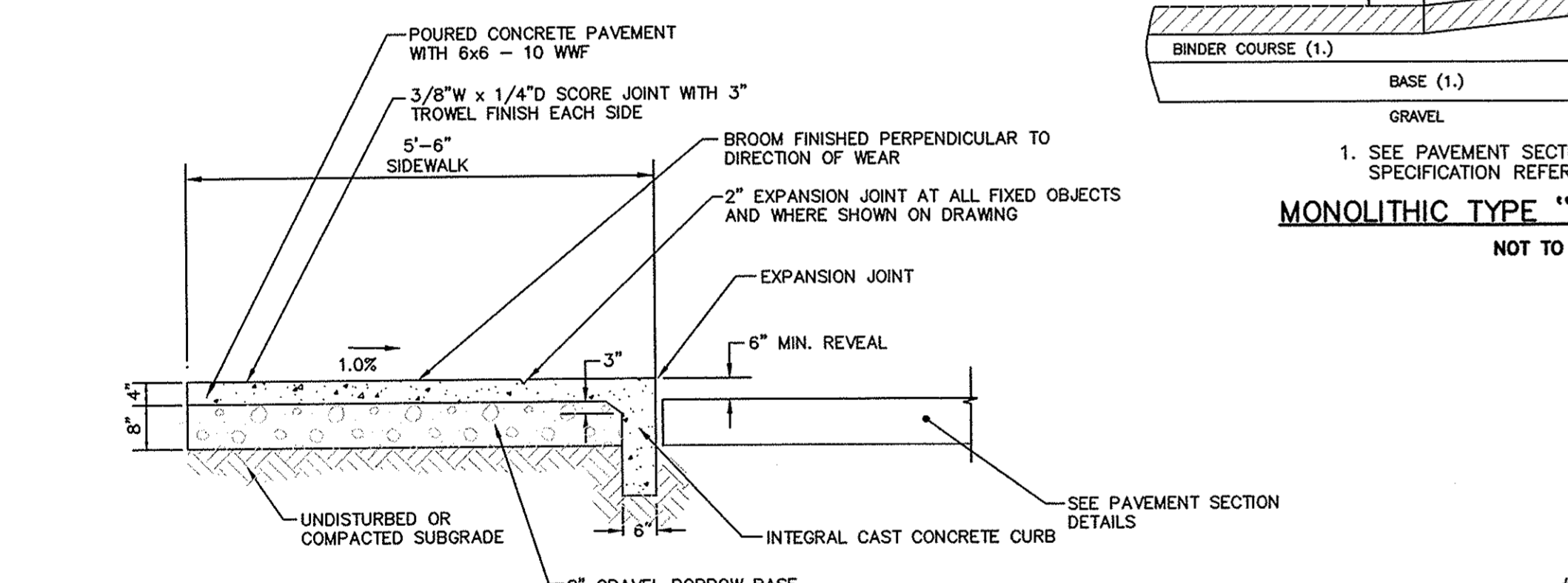
LAND-1



1. TYPE C GRAVEL BORROW SHALL CONFORM TO MASSDOT SPECIFICATION M1.03.0
2. CRUSHED STONE SHALL CONFORM TO MASSDOT SPECIFICATION M12.01.4
- NOTE:
1. PANELS SHALL BE 24x80\"/>



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



CEMENT CONCRETE WHEELCHAIR RAMP

TABLE 1. HIGH SIDE FRONT TRANSITION LENGTH HSL. THE FOLLOWING FIGURES ARE BASED UPON A SIX INCH CURB REVEAL: R=6\"/>

1. THE SIDEWALK CROSS SLOPE MUST NOT EXCEED 1.6% FOR CEMENT CONCRETE. (REFER TO STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, SECTION 700.)
2. AN UNOBSTRUCTED PATH OF TRAVEL WITH A MINIMUM WIDTH OF 36\"/>
3. THE WHEELCHAIR RAMP SLOPE AND SIDE OF SLOPES (TRANSITIONS), MUST NOT EXCEED 1:12. HOWEVER THESE SLOPES MAY BE FLATTER THAN 1:12 WHEN WARRANTED BY SURROUNDING CONDITIONS.
4. WHERE THE ROAD PROFILE EXCEEDS 5% THE HIGHSIDE FRONT TRANSITION LENGTH SHALL BE 20'-0\"/>
5. IN NO CASE, WHERE A STOP LINE IS WARRANTED, SHALL A RAMP BE PLACED BEHIND THE STOP LINE.
6. FIXED OBJECTS--UTILITY POLES, HYDRANTS ETC.--MUST NOT ENCROACH ON WHEELCHAIR RAMPS.
7. AT NO TIME IS ANY PART OF THE WHEELCHAIR RAMP TO BE LOCATED OUTSIDE OF THE CROSSWALK AND IT IS TO BE CENTERED WHENEVER POSSIBLE.
8. CATCH BASINS WHICH ARE TO BE LOCATED IN THE VICINITY OF A WHEELCHAIR RAMP SHOULD LOCATED UP-GRADE WHENEVER POSSIBLE.
9. THE ENTRANCE OF THE WHEELCHAIR RAMP SHALL BE FLUSH WITH PARKING AREA.
10. TESTING SURFACE -- WHEN TESTING A STRAIGHT GRADE PLACED PARALLEL TO THE LINE OF SLOPE, THERE SHALL BE NO DEVIATION FROM A TRUE SURFACE IN EXCESS OF THE 1.0% MAX. SLOPE.
11. WHEN IT IS TECHNOLOGICALLY UNFEASIBLE TO CONSTRUCT WHEELCHAIR RAMPS IN COMPLIANCE WITH THE ARCHITECTURAL ACCESS BOARD'S REGULATIONS, A VARIANCE WILL NEED TO BE SUBMITTED. THE DEPARTMENT'S HANDICAPPED ACCESSIBILITY SECTION SHOULD BE CONTACTED UNDER THESE CIRCUMSTANCES.
12. THE CENTERLINE OF THE WHEELCHAIR RAMP MUST BE CONSTRUCTED PERPENDICULAR TO THE CURB. IN CASES WHERE THE CROSSWALK IS SKEWED WITH THE RAMP, A TURNING RADIUS OF 8.0 FT. ENTIRELY CONTAINED WITHIN THE CROSSWALK MUST BE PROVIDED AT THE BASE OF THE WHEELCHAIR RAMP.
13. THE CONTRACTOR SHALL OBTAIN GRADES AT ALL W.C. RAMP LOCATIONS AND SHALL SET TRANSITION LENGTHS ACCORDING TO THE APPROPRIATE TABLES AND DETAILS SHOWN.
14. THE ENTIRE WHEELCHAIR RAMP SHALL BE CONSTRUCTED OF CEMENT CONCRETE.
15. ALL RAMP JOINTS AND TRANSITION SECTIONS WHICH DEFINE GRADE CHANGES SHALL BE FORMED AND STAKED FOR APPROVAL BY THE PROJECT ENGINEER PRIOR TO PLACING BITUMINOUS CONCRETE.
16. DETECTABLE WARNING PANELS SHALL BE CAST-IN-PLACE COMPOSITE PAVEMENT UNIT MODEL NO. 2448BPAV2 AS MANUFACTURED BY ADA SOLUTIONS, INC. OR APPROVED EQUAL. UNIT SHALL BE FEDERAL YELLOW IN COLOR UNLESS OTHERWISE SPECIFIED BY THE OWNER.

CEMENT CONCRETE WHEELCHAIR RAMP

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

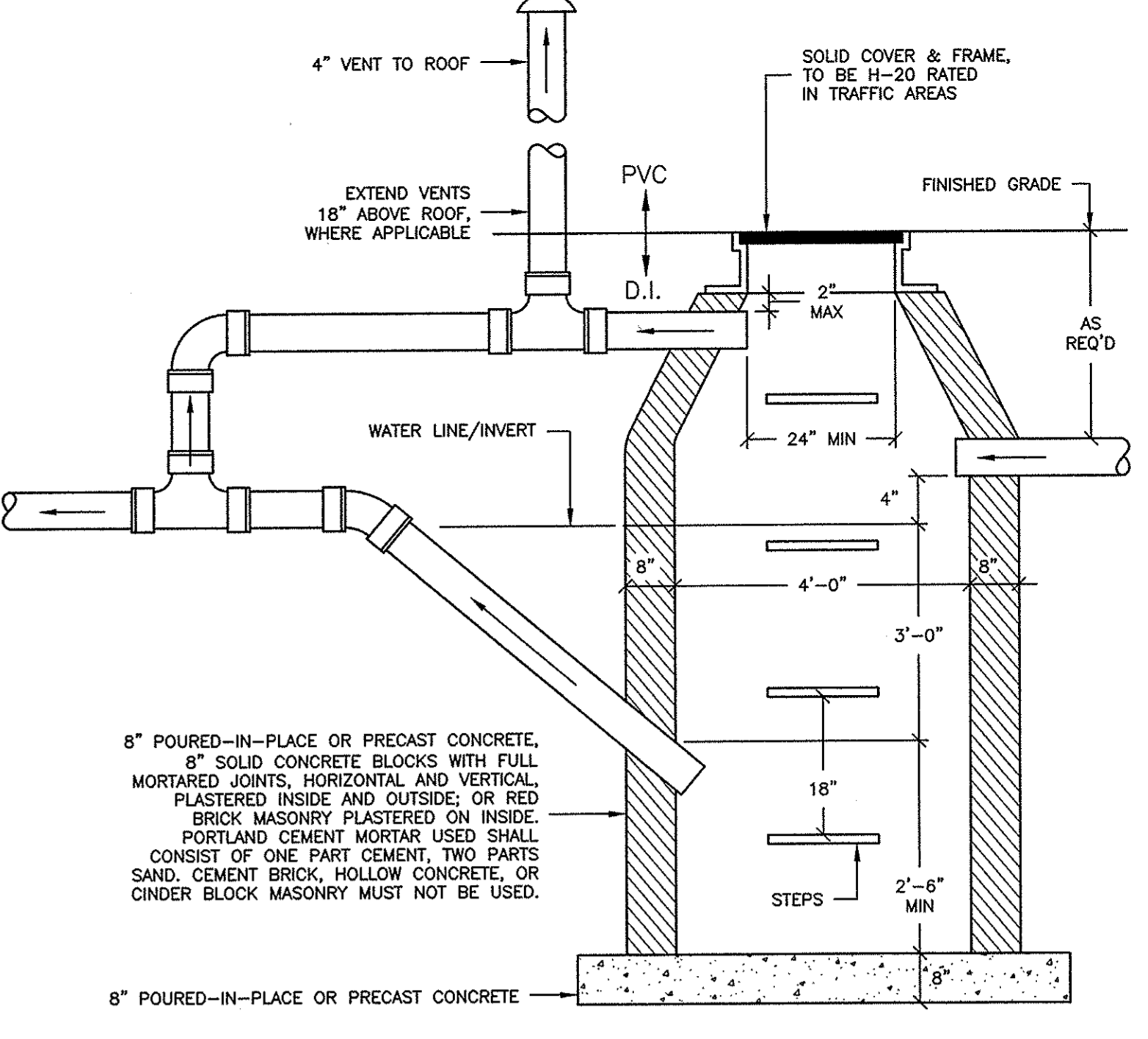
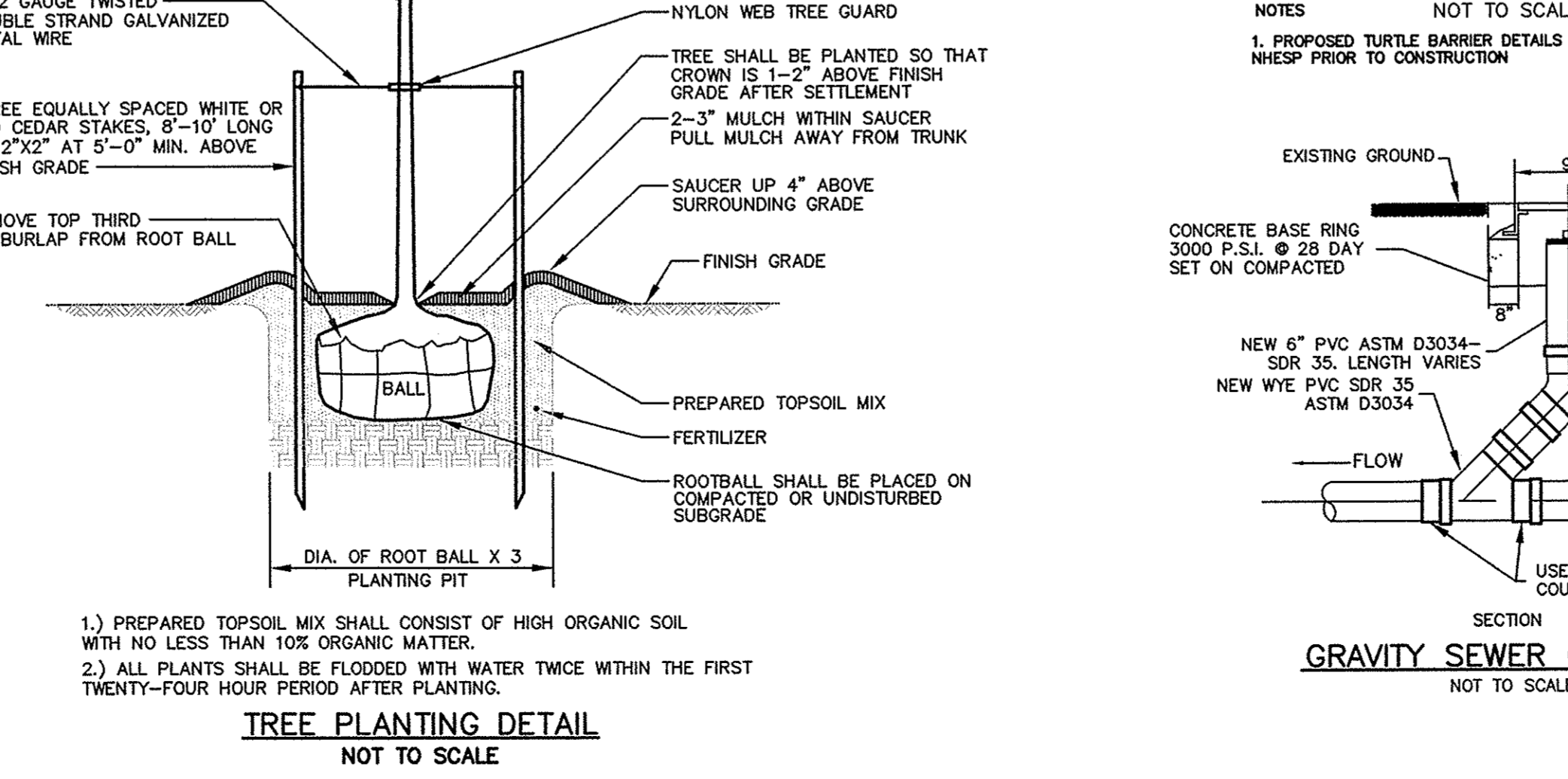
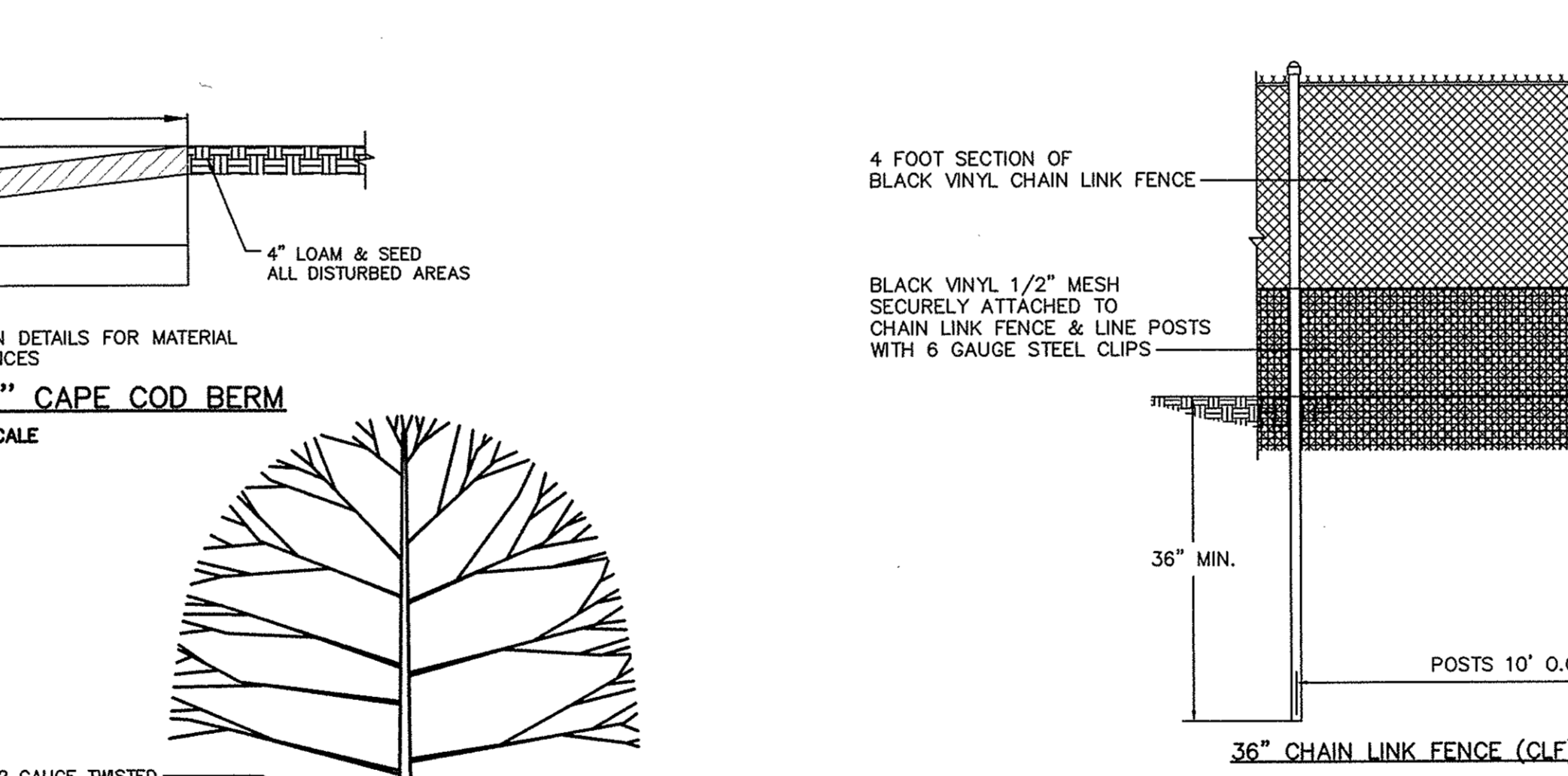
CEMENT CONCRETE WHEELCHAIR RAMP

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

NOTE: WHERE THE WHEELCHAIR RAMP LENGTH (WL) IS 8.0' OR GREATER THE Lbh SHALL EQUAL ZERO (0'). WHERE CURB REVEAL (R) EXCEEDS 6\"/>

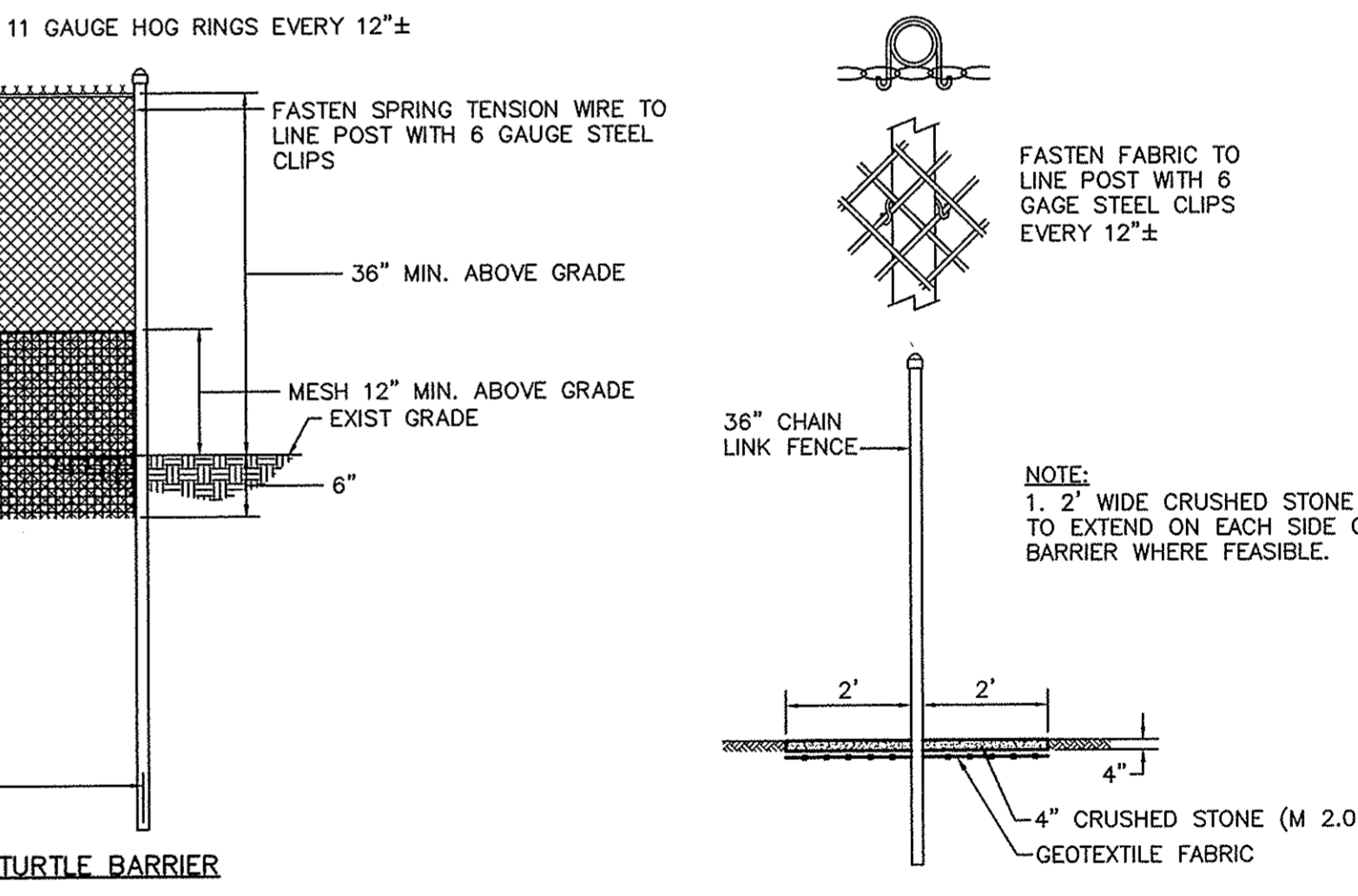
EQUATION: $Lbh (FT) = \frac{((0.25 WL + R) - [Sr - WL])}{Ts - 12G}$

EQUATION: $Lbh (FT) = \frac{((0.25 WL + R) - [Sr - WL])}{Ts - 12G}$



1. STRUCTURE SHALL BE SET ON MIN. 12\"/>
2. STRUCTURE SHALL BE GRANULAR FILL BACKFILLED.
3. PRECAST CONCRETE UNITS PER ASTM C478 (LATEST) AND MIN. 0.12 SQ. IN. STEEL PER VERTICAL FOOT PER AASHTO M199 ALLOWED ONLY BY SHOP DWG. APPROVAL.
4. OWNER SHALL PROVIDE AGREEMENT FOR THE REGULAR MAINTENANCE OF OIL/WATER SEPARATOR TO CITY OF NEW BEDFORD DEPARTMENT OF PUBLIC INFRASTRUCTURE FOR THEIR RECORDS.

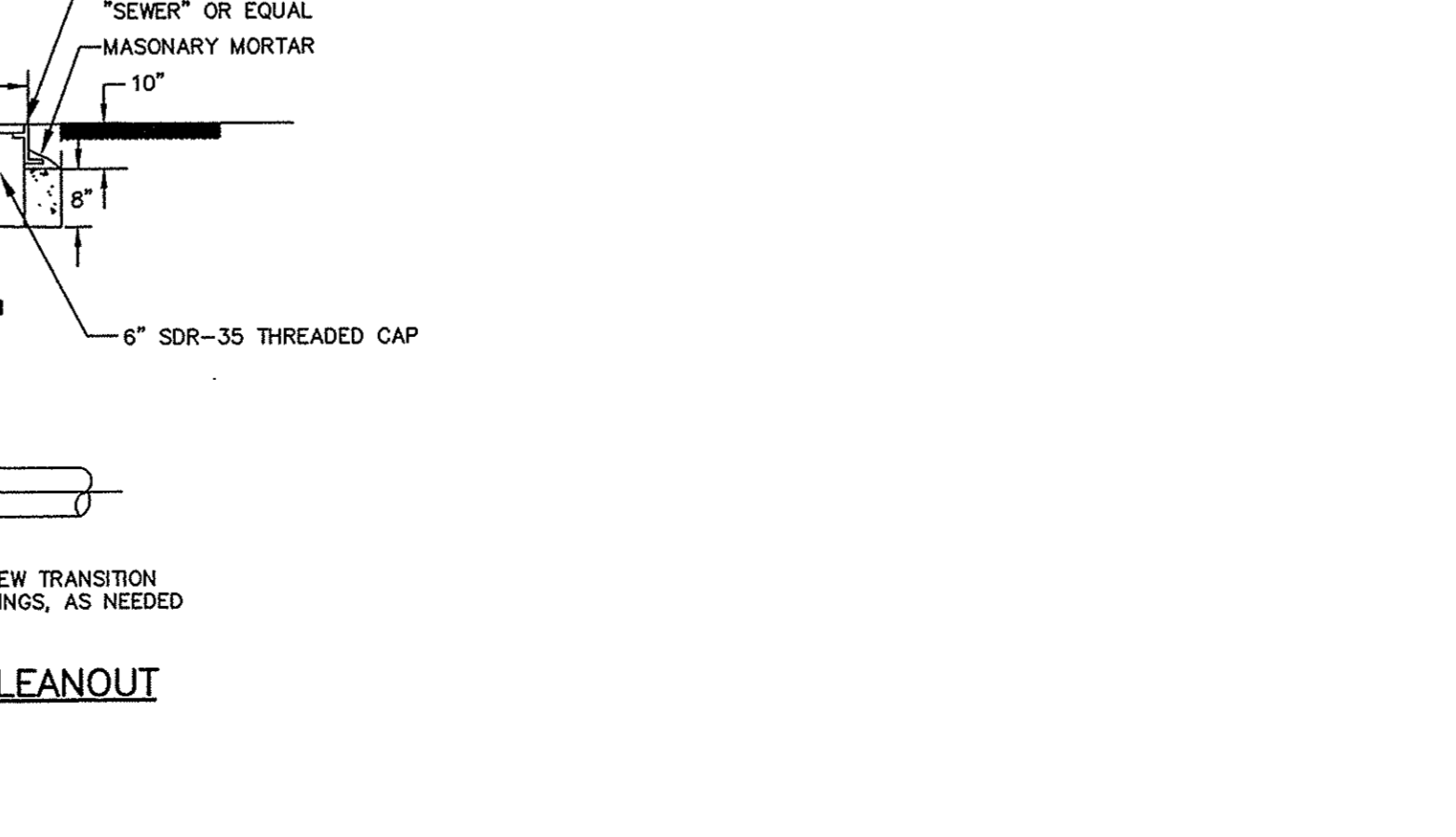
NOTE: 1. 2\"/>



NOTES

NOT TO SCALE

1. PROPOSED TURTLE BARRIER DETAILS TO BE REVIEWED WITH NHESP PRIOR TO CONSTRUCTION



FIELD ENGINEERING CO., INC.
CONSULTING ENGINEERS

110 INDUSTRIAL DRIVE
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THE CROCKER BUILDING
4 COURT STREET SUITE 104
TAUNTON, MA 02780
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Revisions

No.	Description	Date	App'd
1	NO CHANGES THIS SHEET	3/28/18	RRR

Scale: AS NOTED

Drawn By: RMS, Designed By: RRR, Checked By: RRR

Issued For: PERMITTING

COMMONWEALTH OF MASSACHUSETTS
RICHARD P. RICCIO III
CIVIL
No. 45988
REGISTERED PROFESSIONAL ENGINEER
3/28/18

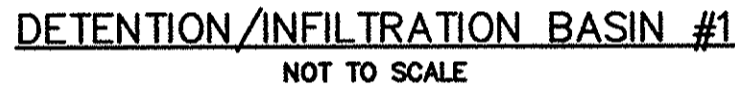
PROPOSED SITE DEVELOPEMENT
PLUMBERS' SUPPLY COMPANY

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

Drawing Title: DETAIL SHEET

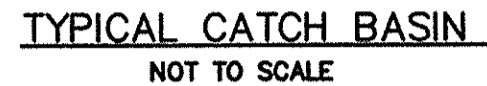
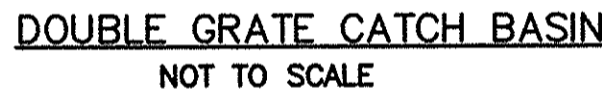
Project No. 2190, Sheet 13 OF 14

D-1



- NOTES:
1. MANHOLE DESIGN TO CONFORM TO ASTM C478 LATEST REVISION.
 2. CONCRETE SHALL BE WET CAST 4000 P.S.I. @ 28 DAYS.
 3. USE FLAT TOP SLAB WHERE FINISHED GRADE ELEVATIONS PROHIBIT THE USE OF A CONE SLAB.
 4. FILL DRAIN FACE OF ALL MANHOLE JOINTS WITH NON-SHRINK MORTAR.
 5. WHERE DRAIN MANHOLES OF GREATER DIAMETER ARE SPECIFIED ON THE PLANS, THEIR CONSTRUCTION SHALL MEET THE TYPICAL DRAIN MANHOLE SPECIFICATIONS.

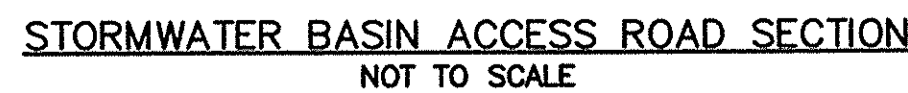
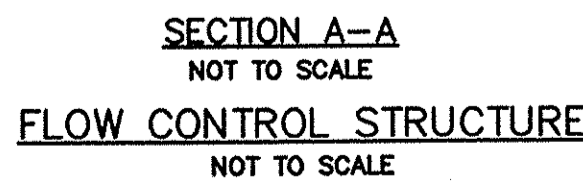
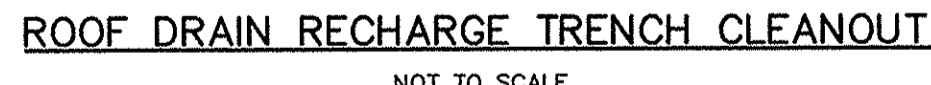
	<u>BASIN</u> <u>#1</u>
2 YR STORM	79.68
10 YR STORM	80.07
25 YEAR STORM	80.30
100 YEAR STORM	80.88
SPILLWAY ELEVATION	81.00
TOP OF BERM ELEVATION	82.00



- 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



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"

11D INDUSTRIAL DRIVE
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THE CROCKER BUILDING
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Revisions					
1	NO CHANGES THIS SHEET			3/28/18	RR
No.	Description	Date	App		

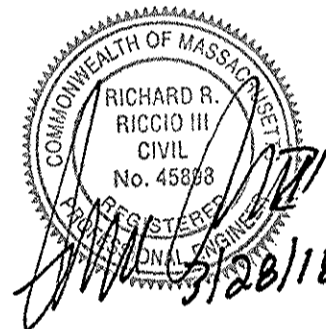
Date 3/16/18

Scale AS NOTED

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

DETAIL
SHEET

Project No.	219
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Sheet
14 OF 14

D-2