



MAYOR  
JON MITCHELL

**City of New Bedford Conservation Commission •  
Department of Environmental Stewardship**

133 William Street • Room 304 • New Bedford, Massachusetts 02740

Telephone: (508) 991.6188

Conservation • Environmental Stewardship • Resilience

**CITY OF NEW BEDFORD, MASSACHUSETTS**

**CONSERVATION COMMISSION  
2021 FILING FEE CALCULATION WORKSHEET\***

**PROJECT LOCATION:** 10 & 26 N Front Street

**MAP(S)** 79 **LOT(S)** 2,5

**APPLICANT:** Shoreline Resources, LLC

**CONSERVATION COMMISSION APPLICATION TYPE:**

- ( ) REQUEST FOR DETERMINATION OF APPLICABILITY
- ( ) NOTICE OF INTENT
- (X) AMENDED ORDER OF CONDITIONS
- ( ) EXTENSION PERMIT
- ( ) CERTIFICATE OF COMPLIANCE

**(A) ALTERATION FEES:**

Application and field review of a project proposed in a Wetland Resource Area or its Buffer Zone is \$200.00 plus the applicable alteration fee as follows:

	AMOUNT DUE:
• Application and Field Review Fee (\$200.00)	\$200.00
• \$0.50 X _____ SF Wetland Resource Area Fee shall not exceed \$2000.00 per project	\$ _____
• \$0.05 X <u>18,072</u> SF of Isolated Land Subject to Flooding, Bordering Land Subject to Flooding or Land Subject to Coastal Storm Flowage Fee shall not exceed \$500.00	\$ <u>903.60</u>
• \$0.50 X <u>147</u> SF of altered 25' Riverfront Area Fee shall not exceed \$1,500.00	\$ <u>73.50</u>
• \$1.00 X _____ SF of undeveloped 25' Riverfront Area Fee shall not exceed \$2000.00	\$ _____
• \$5.00 X _____ LF of Coastal or Inland Bank Fee shall not exceed \$750.00	\$ _____



- \$0.10 X 1,195 SF of Buffer Zone altered \$ 119.50  
Fee shall not exceed \$6,500.00
- \$10.00 X \_\_\_\_\_ LF of dock \$ \_\_\_\_\_
- \$10.00 X \_\_\_\_\_ acres of aquaculture \$ \_\_\_\_\_

**(B) EXTENSION OF AN ORDER OF CONDITIONS:**

- Single family dwelling, or minor project (house addition, in ground pool dock etc.) = \$200.00 \$ \_\_\_\_\_
- Subdivision, commercial or industrial project = \$400.00 \$ \_\_\_\_\_

**(C) AMENDING A PERMIT**

- Single family dwelling or minor project (house addition, in ground pool dock etc.) = \$200.00 + new alteration fee – refer to (A) above \$ \_\_\_\_\_
- Subdivision, commercial or industrial project = \$500.00 + new alteration fee – refer to (A) above \$ 500.00

**(D) WETLAND DELINEATION VERIFICATION (with or without proposed alteration)**

- ½ acre or less
- ½ acre to 2 acres = \$500.00 (\$100/acre thereafter) not to exceed \$3,500 \$ \_\_\_\_\_

**(E) CERTIFICATES OF COMPLIANCE**

- One new house = \$250.00 \$ \_\_\_\_\_
- One activity at an existing house = \$150.00 \$ \_\_\_\_\_
- Residential or Commercial docks = \$200.00 \$ \_\_\_\_\_
- Commercial & Industrial Facilities = \$1,500.00 \$ \_\_\_\_\_
- New Roadways & Associated Stormwater Mgt. Systems = \$1,500.00 \$ \_\_\_\_\_

Partial Certificates of Compliance have the same fee as a Certificate of Compliance, But you only pay the fee once (you do not pay double to obtain a full Certificate of Compliance).

**(F) AFTER THE FACT FILING FEE**

- Notice of Intent or Amended Order of Conditions = \$500.00 \$ \_\_\_\_\_
- Request for a Determination of Applicability = \$250.00 \$ \_\_\_\_\_

**TOTAL AMOUNT DUE:** \$ 1,796.60

**Notes:**

\*Please refer to the Conservation Commission fee schedule – dated 02/2020

Please make check or Money Order payable to the City of New Bedford  
Cash is not accepted.





November 4, 2021

Mr. Chancery Perks, Conservation Agent  
New Bedford Conservation Commission  
New Bedford Department of Environmental Stewardship  
133 William Street, Room 304  
New Bedford, Massachusetts 02740

**Re: Request for Amended Order of Conditions  
Shoreline Resources Waterfront Improvements  
26 N Front Street  
New Bedford, MA  
DEP File No. SE049-0867  
Pare Project No. 20109.00**

Dear Mr. Perks and Members of the New Bedford Conservation Commission:

On behalf of Shoreline Resources, LLC and pursuant to the Regulations of the Massachusetts Wetlands Protection Act 310 CMR 10.00 (the "WPA Regulations") and the City of New Bedford Wetlands Protection Ordinance (the "Ordinance"), Pare Corporation (Pare) is submitting revised plans and supporting materials pertinent to this Request for an Amended Order of Conditions.

An Order of Conditions was issued for the proposed project on May 6, 2021 for Phase I of the Shoreline Resources Waterfront Improvement project, which included construction of a new rail spur between buildings located at 10 and 26 N Front Street, relocation of a portion of existing track, demolition of an exterior loading dock, and associated site improvements. Future work, to be permitted under Phase II, includes construction of a new travel 600-ton lift pier, demolition of two (2) buildings and installation of additional stormwater control measures. As described below, revisions to the approved project include re-routing of the existing City-owned 24-inch Akron stormwater drain within existing developed areas outside the previously approved Limits of Disturbance, which is necessary to protect the drain from excessive loading due to the future travel lift.

Enclosed for your review are the following materials:

- Two (2) copies of supporting documentation, including a revised page 3 of WPA Form 3 with updated impacts, supplemental filing fee calculation, Abutter Notification Information, and Stormwater Management Report with Department of Public Infrastructure and Engineering Permit Submission
- One (1) check in the amount of \$1,796.60 to cover the supplemental local filing fee
- Two (2) full-size sets of revised Project Plans, entitled "Stormwater Drainage Overflow, Shoreline Resources, LLC, 26 North Front Street, New Bedford, MA; City of New Bedford Engineering and Department of Public Infrastructure Submission", dated November 4, 2021

An electronic copy of the above-listed materials has been provided to the Conservation Commission and DEP Southeast Regional Office concurrent with this submission. Please note that abutters within 100 feet of the project site are being notified via certified mail as provided for under 310 CMR 10.05(4)(a). Proof of mailing will be supplied at the public hearing.





## **I. Proposed Modifications and Impacts**

Due to the future loading due to the marine travel lift and commercial fishing vessels, the existing City-owned 24-inch stormwater drain needs to be re-routed outside of the footprint of the travel lift area or it would be damaged under the immense loading of the travel lift.

The current stormwater system traverses beneath the future travel lift and commercial vessel storage area, that will have significant loading likely causing damage to the active line. The project would replace the existing 24-inch akron stormwater line with a new 24-inch PVC stormwater drain outside the limits of the travel lift area and continue to accommodate overflows from the City-owned stormwater system, property stormwater, and existing building roof runoff.

Under the original OOC, the exterior loading dock was demolished and a small portion of asphalt pavement located along North Front Street was removed, creating an additional 7,533 sq ft of pervious area to help manage site stormwater, until the stormwater management plan is developed and submitted under Phase II. We anticipate filing of the Phase II NOI within the next few weeks, including a comprehensive stormwater management plan for the lifting pier and laydown area located to the south of Buildings #1 and #2.

Shoreline also proposes to extinguish the existing easement related to the discontinuation of former Copper Street and to provide a new recorded easement between the City of New Bedford and Shoreline Resources for the new 24-inch stormwater overflow drain. Reference is made to

## **II. Resource Area Impacts**

The proposed modifications will not result in any direct alterations to Coastal Bank or land under the Mean High Water (MHW) of the Acushnet River. The additional work area is confined to existing developed areas on the property, no impacts to naturally vegetated areas are proposed. However, minor increases within previously developed Land Subject to Coastal Storm Flowage, 100-foot Buffer Zone and 25-foot Riverfront Area are proposed as detailed below.

### ***a. Land Subject to Coastal Storm Flowage***

Re-routing of the stormwater drainage system will result in additional work within developed areas immediately bordering the approved limits of work, most of which are below the FEMA flood elevation of 6 feet (NAVD 88) and classified as Land Subject to Coastal Storm Flowage (LSCSF). Approximately 18,072 square feet of additional work area is proposed within LSCSF, for a project total of 57,580 square feet. The proposed project does not include any fills that will result in a decrease to the flood storage capacity of the site. As noted in the approved NOI, removal of the concrete loading dock and the landscaped area southwest of the Seatrade building provides a net increase in flood storage capacity on the Site.

### ***b. 25-foot Riverfront Area***

The proposed modifications include approximately 147 square feet of additional work within the 25-foot Riverfront Area, which brings the project total to 541 square feet. These impacts are necessary to accommodate the re-routed drain line and outfall to the south of the travel lift pier.



The outfall has been designed to avoid impacts on or below the Coastal Bank. The impact area is confined to existing developed Riverfront Area along the manmade shoreline and no disturbance to vegetated areas is proposed.

*c. 100-foot Buffer Zone*

Portions of the project area upslope of the Acushnet River are located within the 100-foot Buffer Zone associated with the Coastal Bank. Approximately 1,195 square feet of additional Buffer Zone impacts are proposed to accommodate the modifications, bringing the project total to 10,695 square feet square feet. All the proposed work area within buffer zone consists of existing developed or disturbed areas with no established communities of vegetation present.

**III. Summary**

The proposed project modifications do not change the project purpose and are very minor in scale relative to the overall project site. The proposed modifications are required to re-route the City-owned drainage system outside of the footprint of the future travel lift area to prevent damage to the drain under the immense loading of the marine travel lift. The proposed modifications to the LOD are located on existing developed land immediately bordering the approved limits of work and will not result in any disturbances to naturally vegetated areas.

On behalf of the applicant, Pare respectfully requests that the New Bedford Conservation Commission issue an Amended Order of Conditions allowing the project to proceed as proposed.

Thank you very much for your consideration in this matter. If you have any questions, please feel free to contact us.

**Pare Corporation**

Sincerely,

Lauren H. Gluck, P.W.S.  
Senior Environmental Scientist

Alan D. Hanscom, LSP  
Vice President

LHG/ADH/ACT

cc: DEP Southeast Regional Office  
Shoreline Resources, LLC  
File





**Massachusetts Department of Environmental Protection**  
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

**WPA Form 3 – Notice of Intent**

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

MassDEP File Number \_\_\_\_\_

Document Transaction Number \_\_\_\_\_

New Bedford \_\_\_\_\_

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

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

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

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

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

f. <input checked="" type="checkbox"/> Riverfront Area	<u>Acushnet River (coastal)</u>	
	1. Name of Waterway (if available) - <b>specify coastal or inland</b> _____	

2. Width of Riverfront Area (check one):

25 ft. - Designated Densely Developed Areas only

100 ft. - New agricultural projects only

200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: 37,500 +/-  
square feet

4. Proposed alteration of the Riverfront Area:

<u>541</u>	<u>541</u>	<u>0</u>
a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI?  Yes  No

6. Was the lot where the activity is proposed created prior to August 1, 1996?  Yes  No

3.  Coastal Resource Areas: (See 310 CMR 10.25-10.35)

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



**Massachusetts Department of Environmental Protection**  
 Bureau of Resource Protection - Wetlands

Provided by MassDEP:

**WPA Form 3 – Notice of Intent**

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

\_\_\_\_\_  
 MassDEP File Number

\_\_\_\_\_  
 Document Transaction Number

\_\_\_\_\_  
 New Bedford

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

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

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

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

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	_____	
	1. square feet	
	_____	
	2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	_____	_____
	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	_____	_____
	1. square feet	2. cubic yards dune nourishment

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	
	_____	
	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	_____	
	1. cubic yards dredged	
l. <input checked="" type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	57,580	
	_____	
	1. square feet	

4.  Restoration/Enhancement  
 If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.

\_\_\_\_\_

a. square feet of BVW

\_\_\_\_\_

b. square feet of Salt Marsh

5.  Project Involves Stream Crossings

\_\_\_\_\_

a. number of new stream crossings

\_\_\_\_\_

b. number of replacement stream crossings



**Notice of Intent – Shoreline Resources Waterfront Improvements**  
**ATTACHMENT A: Property Ownership Information**

**Location:** 26 N Front Street (rail spur and lifting pier)

**Map:** 79 Lot: 2 Book/Page: 1809/709

**Owner:** Revere Copper Products Inc.

24 N Front St

New Bedford, MA 02740

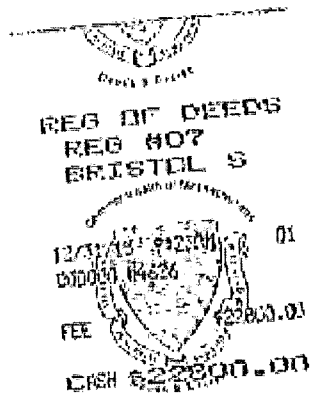
**Location:** 10 N Front Street (southwest portion of rail spur)

**Map:** 79 Lot: 5 Book/Page: 11573/186

**Owner:** New Bedford Holdings LLC

448 Boston Street

Topsfield, MA 01983



BK 11573 PG 186  
12/31/15 09:23 AM 00:23  
Bristol Co. S.D.

WARRANTY DEED

PAL Realty, LLC, a Massachusetts limited liability company having a mailing address of 10 North Front Street, New Bedford, Massachusetts 02740 ("Grantor"), for consideration paid, and in full consideration of Five Million and 00/100 (\$5,000,000.00) Dollars, grants to New Bedford Holdings LLC, a Massachusetts limited liability company, having a mailing address of 448 Boston Street, Topsfield, MA 01983, with **WARRANTY COVENANTS**, that certain parcel of land in the City of New Bedford, Bristol County, Commonwealth of Massachusetts, together with the buildings and improvements located thereon, described as follows:

The land and improvements commonly known as 10 North Front Street, New Bedford, Massachusetts, and being more particularly described on Exhibit A attached hereto and incorporated herein by reference.

Said premises are conveyed subject to easements, restrictions and covenants of record, insofar as in force and applicable.

Grantor warrants that it is not classified in the current taxable year as a corporation for federal income tax purposes.

For Grantor's title see deed from Ten North Realty, LLC dated September 7, 2006 recorded with the Bristol County Southern District Registry of Deeds in Book 8319, Page 308.

EXECUTED as an instrument under seal as of the 30th day of December, 2015.

PAL REALTY, LLC

By: Andrius Pranskevicius  
Authorized Signatory

STATE OF FLORIDA

County of Palm Beach, ss.

On this 28<sup>th</sup> day of December, 2015, before me, the undersigned notary public, personally appeared Andrius Pranskevicius who proved to me through satisfactory evidence of identification, which was A DRIVER'S LICENSE to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose as the Real Property Signatory of PAL Realty, LLC.



Michael Lawrence Eljon  
Notary Public  
My Commission Expires:

Exhibit A

The land in New Bedford, Bristol County, Massachusetts, with the buildings thereon, situated on the easterly side of North Front Street, known as 10 North Front Street, New Bedford, Massachusetts and bounded and described as follows:

BEGINNING at the northwest corner of the land herein described at a point in the easterly line of North Front Street, and at the southwest corner of Lot No. 3A as shown on plan of land hereinafter mentioned;

Thence NORTH 81 DEGREES 56' 09" EAST in line of land named lot, five hundred ninety and 35/100 (590.35) feet to the "Tie Line" as shown on said plan;

Thence continuing on the same course, thirty-three (33) feet, more or less, to the mean high water mark of the Acushnet River, as far as private rights extend;

Thence BEGINNING again at the point of beginning;

Thence SOUTH 07 DEGREES 29' 32" EAST in line of said North Front Street, two hundred eighty-seven and 48/100 (287.48) feet to land now or formerly of the City of New Bedford;

Thence NORTH 82 DEGREES 53' 29" EAST in line of last name land, five hundred fifty (550) feet, more or less, to the mean high water mark of the said Acushnet River, as far as private rights extend; and

BEING bound EASTERLY by the said Acushnet River.

CONTAINING four and 1/10 (4.1) acres, more or less.

BEING shown as Lot No. 3B on a plan entitled "Subdivision Plan in New Bedford, Mass. for Rvere Copper Products, Inc., prepared by Tibbetts Engineering Corp." dated January 27, 1982 and recorded with the Registry in Plan Book 106 at Page 94.

LDLUS  
24 - 26 to FRANK ST.  
+ VILAGE LANE NEW BEDF



Bk: 12846 Pg: 1 Pg: 1 of 10 88  
Doc: DEED 07/02/2019 03:54 PM

MASSACHUSETTS OFFICE FAX  
State POC No: 001  
Date: 07/02/2019 03:54 PM  
Doc: 00014471  
Fee: \$326.00 Doc#: \$10,500.00

After Recording Return To  
Mathieu & Mathieu  
168 Eighth Street  
New Bedford, MA 02740

**DEED**

**REVERE COPPER PRODUCTS, INC.**, a Delaware corporation, having an address of One Revere Park, Rome, New York 13440-5561, successor by merger to Revere Copper Products, Inc., a Maryland corporation, hereby grants, with quitclaim covenants, to **SHORELINE RESOURCES, LLC**, a Massachusetts limited liability company, having an address of 137 Popes Island, New Bedford, Massachusetts 02740, for consideration of Fifty Thousand and 00/100 (\$50,000.00) Dollars, the land with the building(s) thereon, located in New Bedford, Bristol County, Massachusetts, being more particularly described on Schedule A, attached to, incorporated in, and made a part of this instrument.

Subject to all rights, liens, restrictions and encumbrances of record, to the effect that same may exist and be presently in force and effect, including, but not limited to, the following

Real estate taxes for the current year not due and payable as of this date, which the grantee assumes and agrees to pay

*(Signature page follows)*



# Stormwater Drainage Overflow

## Shoreline Resources, LLC

26 North Front Street  
New Bedford, Massachusetts

**OWNER/APPLICANT:**  
SHORELINE RESOURCES, LLC  
137 POPE'S ISLAND  
NEW BEDFORD, MA 02740

**CIVIL ENGINEER:**



PARE CORPORATION  
ENGINEERS - SCIENTISTS - PLANNERS  
8 BLACKSTONE VALLEY PLACE  
LINCOLN, RI 02865  
401-334-4100



SCALE: N.T.S.

### INDEX OF DRAWINGS

SHEET No.	DRAWING No.	DESCRIPTION
-	C0	COVER
1	C1.1	LEGEND & ABBREVIATIONS
2	C2.0	EXISTING CONDITIONS PLAN
3	C3.0	GENERAL SITE PLAN
4	C4.0	PROPOSED STORMWATER DRAINAGE OVERFLOW
5-8	C5.1 - C5.4	DETAILS 1 - 4
9	C6.1	PROPOSED STORMWATER OVERFLOW PROFILE
-	-	-
-	-	-
-	-	-
-	-	-

**CITY OF NEW BEDFORD ENGINEERING AND DEPARTMENT OF PUBLIC INFRASTRUCTURE SUBMISSION**  
**NOVEMBER 4, 2021**

REFERENCE

- 1. PROJECT LOCATION: SHORELINE RESOURCES, LLC, 26 NORTH FRONT STREET, NEW BEDFORD, MA 02746. ASSESSOR'S MAP 79, LOT 2.
2. EXISTING CONDITIONS MAPPING TAKEN FROM AERIAL AND GPS SURVEY PERFORMED BY CIVILVIEW, INC. A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF MASSACHUSETTS.
3. FORMER FACILITY PIPING PLAN TAKEN FROM 1972 DRAWING TITLED: REVERE COPPER AND BRASS, MILL PIPING, UNDERGROUND DRAIN LINES"; SCALE 1"=40', PREPARED BY REVERE COPPER PRODUCTS, DATED 2-22-72.
4. LIMITED EXISTING CONDITIONS INFORMATION OBTAINED BY PARE CORPORATION DURING FIELD VISIT ON JANUARY 12, 2021.
5. HORIZONTAL DATUM IS BASED UPON THE MASSACHUSETTS STATE PLANE COORDINATE SYSTEM (NAD83), MAINLAND ZONE PER GPS OBSERVATIONS.
6. ELEVATIONS ARE PROVIDED BY CIVILVIEW, INC. AND BASED UPON THE NORTH AMERICAN VERTICAL DATUM (NAV88).
7. ACCORDING TO THE FEMA FLOOD INSURANCE RATE MAP (FIRM) FOR BRISTOL COUNTY, MASSACHUSETTS, PANEL 393 OF 550, MAP NO. 25005C0393G, THE SUBJECT PROPERTY IS LOCATED WITHIN THE 100-YEAR FLOODPLAIN, ZONE AE, WITH A DETERMINED ELEVATION OF 6 FEET BASED UPON THE NORTH AMERICAN VERTICAL DATUM (NAV88).
8. PROPERTY LINES SHOWN ARE APPROXIMATE ONLY, BASED UPON AVAILABLE GIS INFORMATION.

GENERAL NOTES

- 1. THE COMMONWEALTH OF MASSACHUSETTS STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGE CONSTRUCTION, 2020 EDITION OR LATEST REVISION, THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION CONSTRUCTION STANDARD DETAILS AND THE CITY OF NEW BEDFORD DEPARTMENT OF PUBLIC INFRASTRUCTURE (DPI) CONSTRUCTION STANDARDS AND SPECIFICATIONS ARE MADE A PART HEREOF AS FULLY AND COMPLETELY AS IF ATTACHED HERETO. ALL WORK SHALL MEET OR EXCEED THE MASSACHUSETTS AND CITY OF NEW BEDFORD DPI STANDARD SPECIFICATIONS, STANDARDS AND DETAILS, WITH LATEST REVISIONS. THE LATEST REVISION OF THE STANDARD SPECIFICATIONS MAY BE OBTAINED AT THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION OR THE CITY OF NEW BEDFORD DPI.
2. THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE SAME, AND COORDINATE WITH THE ENGINEER AND OWNER'S REPRESENTATIVE AS REQUIRED.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR JOB SITE SAFETY. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCING AND/OR BARRIERS AROUND ALL OPEN EXCAVATED AREAS IN ACCORDANCE WITH OSHA FEDERAL, STATE, AND LOCAL REQUIREMENTS.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO INSTALLATION OF ANY PORTION OF THE SITE WORK WHICH WOULD BE AFFECTED. NO FIELD ADJUSTMENTS IN THE LOCATION OF SITE ELEMENTS SHALL BE MADE WITHOUT THE ENGINEER'S APPROVAL.
5. IF ANY DEVIATION OR ALTERATION OF THE WORK PROPOSED ON THESE DRAWINGS IS REQUIRED, THE CONTRACTOR SHALL IMMEDIATELY CONTACT AND COORDINATE ANY DEVIATIONS WITH THE ENGINEER AND OWNER.
6. ANY AREA OUTSIDE OF THE LIMIT OF WORK THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER.
7. ALL SITE WORK SHALL MEET OR EXCEED THE SITE WORK SPECIFICATIONS PREPARED FOR THIS PROJECT.
8. ALL SIGNS SHALL BE REFLECTORIZED TYPE III SHEETING AND CONFORM WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST REVISION.
9. ALL UTILITIES (LOCATION AND ELEVATION) DEPICTED SHALL BE CONSIDERED APPROXIMATE ONLY. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE (1-888-344-7233) TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ALL DAMAGE TO EXISTING UTILITIES OR STRUCTURES, AND THE COST TO REPAIR THE DAMAGES TO INITIAL CONDITIONS, AS SHOWN ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
10. NO EXCAVATION SHALL BE DONE UNTIL COMPANIES ARE PROPERLY NOTIFIED IN ADVANCE. NOTE THAT NOT ALL EXISTING UNDERGROUND UTILITIES ARE SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL RESPECTIVE UTILITY COMPANIES TO VERIFY AND LOCATE EXISTING UTILITIES.

LAYOUT NOTES

- 1. ALL LINES ARE PERPENDICULAR OR PARALLEL TO THE LINES FROM WHICH THEY ARE MEASURED UNLESS OTHERWISE INDICATED.
2. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL PERFORM BENCHMARK FIELD LEVEL VERIFICATION AND COORDINATE LAYOUT CHECK. THE CONTRACTOR SHALL CONTACT PARE CORPORATION IF ANY DISCREPANCIES ARE FOUND.
3. DIMENSIONS OF PARKING SPACES AND DRIVEWAYS ARE FROM FACE OF CURB TO FACE OF CURB. DIMENSIONS FROM BUILDING ARE FROM FACE OF BUILDING TO FACE OF CURB.
4. ALIGN WALKWAYS ON DOORWAYS THEY SERVE TO PROVIDE MINIMUM REQUIRED MANEUVERING CLEARANCE IN ACCORDANCE WITH THE AMERICAN WITH DISABILITIES ACT (ADA) ACCESSIBILITY GUIDELINES AND CODE OF MASSACHUSETTS REGULATIONS (CMR) TITLE 521 OF THE ARCHITECTURAL ACCESS BOARD REGULATIONS.

DEMOLITION NOTES

- 1. THE CONTRACTOR SHALL COORDINATE ALL DEMOLITION OF STRUCTURES, PAVEMENT AND CONCRETE MATERIALS, AND UTILITIES WITH APPROPRIATE PROPOSED SITE GENERAL, GRADING, UTILITY, AND LANDSCAPING DRAWINGS.
2. ALL NOTED UTILITIES TO BE REMOVED AND DISPOSED OF, RELOCATED OR CAPPED REPRESENT ALL KNOWN SITE CONDITIONS TO BE DEMOLISHED. THE CONTRACTOR SHALL COORDINATE ALL UNFORESEEN CONDITIONS WITH THE PROJECT ENGINEER, OWNER AND/OR RESPECTIVE UTILITY COMPANIES PRIOR TO PROCEEDING WITH WORK.
3. WATER, SEWER, DRAINAGE, GAS, AND OTHER SITE UTILITIES SERVICING THE EXISTING FACILITIES ARE TO REMAIN ACTIVE THROUGHOUT CONSTRUCTION.
4. THERE SHALL BE NO INTERRUPTION OF UTILITY SERVICES DURING THE CONSTRUCTION OPERATION WITHOUT APPROVAL OF THE OWNER.

GRADING AND UTILITY NOTES

- 1. UNDERGROUND UTILITIES DEPICTED WERE COMPILED FROM AVAILABLE RECORD PLANS AND SHALL BE CONSIDERED APPROXIMATE ONLY. BEFORE COMMENCING SITE WORK IN ANY AREA, CONTACT "DIG SAFE" AT 1-888-DIG-SAFE (1-888-344-7233) TO ACCURATELY LOCATE UNDERGROUND UTILITIES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES DEPICTED OR NOT DEPICTED ON THE PLANS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. COSTS TO REPAIR SUCH DAMAGES SHALL BE THE CONTRACTOR'S RESPONSIBILITY. NO EXCAVATION SHALL BE DONE UNTIL UTILITY COMPANIES ARE PROPERLY NOTIFIED.
2. ALL WORK PERFORMED AND ALL MATERIALS FURNISHED SHALL CONFORM WITH THE LINES AND GRADES ON THE PLANS AND SITE WORK SPECIFICATIONS.
3. AT ALL LOCATIONS WHERE EXISTING CURBING OR PAVEMENT ABUT NEW CONSTRUCTION, THE EDGE OF THE EXISTING CURB OR PAVEMENT SHALL BE SAW CUT TO A CLEAN, SMOOTH EDGE. BLEND NEW PAVEMENT AND CURBS SMOOTHLY INTO EXISTING BY MATCHING LINES, GRADES AND JOINTS.
4. ALL UTILITY COVERS, GRATES, ETC. SHALL BE ADJUSTED TO BE FLUSH WITH THE SURROUNDING SURFACE OR PAVEMENT FINISH GRADE. RIM ELEVATIONS OF STRUCTURES AND MANHOLES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS.
5. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS FOR THE ALTERATION OF PRIVATE UTILITIES BY THE UTILITY COMPANIES, AS REQUIRED.
6. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION SHALL BE PROVIDED ON A SKETCH TO SCALE OF THE EXISTING UTILITY WITH TIES TO KNOWN POINTS, PHOTOS AND FURNISHED TO THE ENGINEER FOR RESOLUTION.
7. THE CONTRACTOR SHALL PROTECT ALL UNDERGROUND DRAINAGE, SEWER AND UTILITY FACILITIES FROM EXCESSIVE VEHICULAR LOADS DURING CONSTRUCTION. ANY DAMAGE TO THESE FACILITIES RESULTING FROM CONSTRUCTION LOADS SHALL BE RESTORED TO ORIGINAL CONDITION.
8. GAS, ELECTRIC, AND COMMUNICATIONS ROUTING ARE SUBJECT TO REVIEW AND APPROVAL BY APPROPRIATE UTILITY COMPANIES.
9. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL PROTECT EXISTING UTILITIES BY PROVIDING TEMPORARY SUPPORTS OR SHEETING AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
10. ALL WATER LINE BENDS AND TEES SHALL BE REINFORCED WITH THRUST BLOCKS. ALL WATER DISTRIBUTION PIPING AND FITTINGS MUST ADHERE TO THE CITY OF NEW BEDFORD WATER SPECIFICATIONS AND SHALL BE INSPECTED BEFORE, DURING, AND AFTER CONSTRUCTION PRIOR TO TAPPING THE SERVICE MAIN.
11. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
12. PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MIN. OF 1/8" PER FOOT UNLESS SPECIFIED.

EROSION AND SEDIMENTATION CONTROL NOTES - MASSACHUSETTS

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION AGENCY'S (EPA) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONSTRUCTION GENERAL PERMIT (CGP) AND THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF THE PROJECT ORDER OF CONDITIONS PURSUANT TO MASSDEP FILE NO SE 049-0867 ISSUED MAY 6, 2021 AND THE CITY OF NEW BEDFORD SPECIAL CONDITIONS 21 THROUGH 51.
3. SOIL EROSION AND SEDIMENTATION CONTROLS SHALL BE PROVIDED IN ACCORDANCE WITH THE "MASSACHUSETTS EROSION AND SEDIMENT CONTROL GUIDELINES FOR URBAN AND SUBURBAN AREAS" AND THE NOTES AND DETAILS SHOWN IN THIS PLAN SET.
4. THE EROSION AND SEDIMENTATION CONTROLS SHOWN ON THE PLANS ARE INTENDED TO REPRESENT THE MINIMUM CONTROLS NECESSARY TO MEET ANTICIPATED SITE CONDITIONS. ADDITIONAL MEASURES SHALL BE IMPLEMENTED AS CONDITIONS WARRANT OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
5. REQUIRED PERIMETER CONTROL SHALL BE PROPERLY ESTABLISHED, CLEARLY VISIBLE AND IN OPERATION PRIOR TO INITIATING ANY LAND CLEARING ACTIVITY AND/OR OTHER CONSTRUCTION RELATED WORK. SUCH FACILITIES SHALL REPRESENT THE LIMIT OF WORK. WORKERS SHALL BE INFORMED THAT NO CONSTRUCTION ACTIVITY IS TO OCCUR BEYOND THE LIMIT OF WORK AT ANY TIME THROUGHOUT THE CONSTRUCTION PERIOD.
6. AS FEASIBLE, CONSTRUCTION SHALL BE PHASED TO LIMIT THE AREA OF EXPOSED SOIL AND THE DURATION OF EXPOSURE. ALL DISTURBED AREAS SHALL BE TEMPORARILY AND/OR PERMANENTLY STABILIZED WITHIN 14 DAYS FOLLOWING COMPLETION OF GRADING ACTIVITIES.
7. THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL EROSION AND SEDIMENTATION CONTROL MEASURES FOR THE DURATION OF THE SUBJECT WORK CONTAINED HEREIN AND UNTIL SUCH TIME A CERTIFICATE OF COMPLIANCE IS RENDERED BY THE LOCAL CONSERVATION COMMISSION.
8. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH STORM EVENT OF 0.25 INCH OR GREATER DURING CONSTRUCTION TO ENSURE THAT THE EROSION CONTROL BARRIERS ARE INTACT.
9. CLEAN AND MAINTAIN SEDIMENTATION CONTROL BARRIERS WHEN SEDIMENT ACCUMULATES TO ONE HALF THE HEIGHT OF THE BARRIER. MATERIAL COLLECTED FROM THE SEDIMENTATION BARRIER SHALL BE REMOVED AS NECESSARY AND DISPOSED IN AN UPLAND AREA.
10. THE CONTRACTOR SHALL MAINTAIN A SUFFICIENT RESERVE OF VARIOUS EROSION CONTROL MATERIALS ONSITE AT ALL TIMES FOR EMERGENCY PURPOSES OR ROUTINE MAINTENANCE.
11. THE CONTRACTOR SHALL SCHEDULE HIS WORK TO ALLOW THE FINISHED SUB GRADE ELEVATIONS TO DRAIN PROPERLY WITHOUT PUDDLING. SPECIFICALLY, ALLOW WATER TO ESCAPE WHERE PROPOSED CURB MAY RETAIN RUNOFF PRIOR TO PAVING. PROVIDE TEMPORARY POSITIVE DRAINAGE, AS REQUIRED, TO STABILIZED DISCHARGE POINTS.
12. SOIL AND OTHER MATERIALS RESULTING FROM SITE CLEARING MAY BE RECYCLED AND/OR REUSED ON THE SITE AS APPROPRIATE. WASTE MATERIALS SHALL BE REMOVED FROM THE SITE.
13. DUST SHALL BE CONTROLLED BY SPRINKLING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE OWNER OR OWNER'S REPRESENTATIVE.
14. CATCH BASINS AND STORM DRAINS SHALL BE PROTECTED WITH HAY BALES OR SEDIMENT BAGS IN PAVED AREAS UNTIL CONTRIBUTING AREA IS PERMANENTLY STABILIZED.
15. DEWATERING WASTEWATER PUMPED FROM EXCAVATIONS SHALL BE CONVEYED BY HOSE TO AN UPLAND AREA AND DISCHARGED INTO A DEWATERING BASIN OR HAY BALE CORRALS. DEWATERING FLUIDS CONTAINING ANY OILS MUST BE DISCHARGED THROUGH AN OIL-WATER SEPARATION BAG OR SYSTEM PRIOR TO DISCHARGE INTO THE AFOREMENTIONED BASINS OR CORRALS.
16. CONSTRUCTION SITE WASTE MATERIALS SHALL BE PROPERLY CONTAINED ONSITE AND DISPOSED OFF SITE AT A LOCATION IN ACCORDANCE WITH THE LOCAL AND STATE REGULATIONS.
17. RIPRAP OR OTHER ENERGY DISSIPATORS SHALL BE USED WHERE NECESSARY TO CONTROL EROSION.
18. ANY EQUIPMENT THAT IS NOT READILY MOBILE (TRACK MACHINERY) SHALL BE PARKED WITHIN THE PROJECT LIMIT OF DISTURBANCE. LARGE AND/OR BULKY MATERIALS SHALL BE STORED SUCH THAT THEY DO NOT INTERFERE WITH THE ONGOING CONSTRUCTION ACTIVITIES OR EROSION CONTROL MEASURES.
19. THE CONTRACTOR SHALL NOT REMOVE ANY COMPOST FILTER SOCKS OR OTHER EROSION CONTROLS UNTIL THE CONTRIBUTING AREA IS PERMANENTLY STABILIZED AND A CERTIFICATE OF COMPLIANCE IS RECEIVED FROM THE LOCAL CONSERVATION COMMISSION.

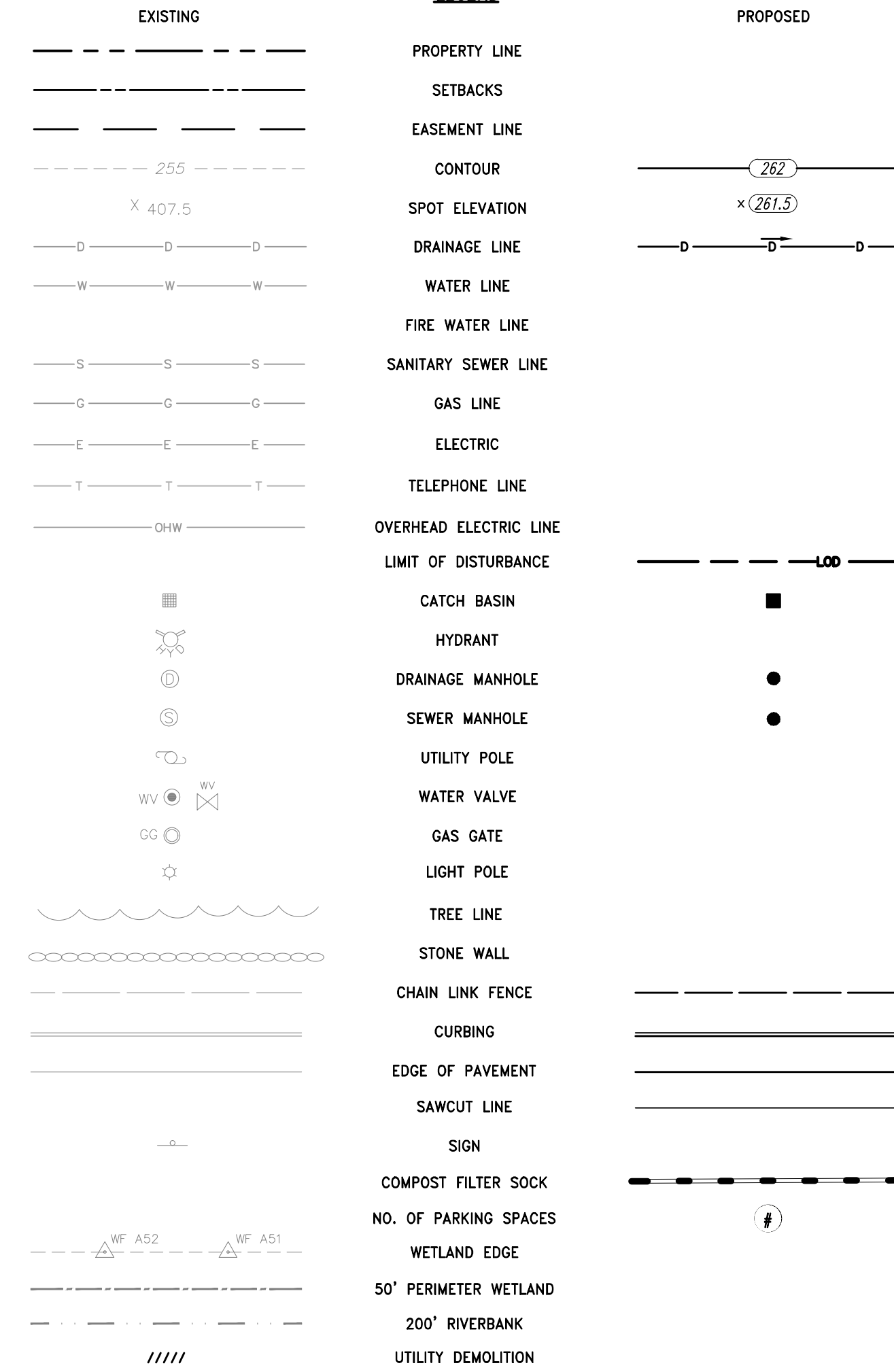
STORMWATER MANAGEMENT SYSTEM INSPECTION AND MAINTENANCE NOTES

DURING CONSTRUCTION (CONTRACTOR'S RESPONSIBILITY)

- 1. THE CONTRACTOR SHALL REMOVE SEDIMENT AND DEBRIS FROM ALL CATCH BASINS, MANHOLES, AND THE DRAINAGE SYSTEM ON A ROUTINE BASIS, IMMEDIATELY FOLLOWING SITE STABILIZATION, AND PRIOR TO PROJECT COMPLETION AND ACCEPTANCE.
2. THE CLOSED DRAINAGE SYSTEM AND ASSOCIATED STRUCTURES SHALL BE CLEANED AND FLUSHED BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF THE DRAINAGE SYSTEM UNTIL ACCEPTANCE OF THE SYSTEM BY THE ENGINEER AND THE CITY OF NEW BEDFORD. FOLLOWING ACCEPTANCE OF THE PROPOSED DRAINAGE SYSTEM, THE OWNER OF THE SITE SHALL BE RESPONSIBLE FOR THE LONG-TERM INSPECTION AND MAINTENANCE OF THE DRAINAGE SYSTEM.
3. ANY ACCUMULATION OF PONDING WATER IN AREAS WITHIN THE LIMITS OF DISTURBANCE, OTHER THAN DESIGNATED AREAS, SHALL BE REMOVED ACCORDINGLY AND PREVENTED IN THE FUTURE.

POST CONSTRUCTION (OWNER'S RESPONSIBILITY)

- 1. TRASH, LITTER, SEDIMENT AND OTHER DEBRIS SHALL BE REMOVED FROM ANY STORMWATER MANAGEMENT SYSTEM FACILITY (INCLUDING BUT NOT LIMITED TO CATCH BASINS, MANHOLES, INLET, OUTLET AND DIVERSION STRUCTURES, AND STORMWATER BEST MANAGEMENT PRACTICES (BMPs)) A MINIMUM OF TWO TIMES PER YEAR, PREFERABLY IN THE SPRING AND FALL.
2. THE PARKING LOT AND ENTRY DRIVE SHALL BE SWEEP BY THE OWNER AS EARLY AS POSSIBLE EVERY SPRING AND ONCE IN THE FALL TO REMOVE SEDIMENTS.
3. ALL CLEANING AND MAINTENANCE OF STORMWATER MANAGEMENT SYSTEMS POST-CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE OWNER.



LEGEND:

- ATC = ADJUST TO GRADE
CFS = COMPOST FILTER SOCK (SEE DETAIL)
CLF = CHAIN LINK FENCE
CC = CUT AND CAP
CM = SAWCUT AND MATCH
CTE = CONNECT TO EXISTING
DAC = REMOVE AND DISPOSE ASPHALT CURB
DCLF = REMOVE CHAIN LINK FENCE
DCP = REMOVE AND DISPOSE CONCRETE PAD
DD = REMOVE AND DISPOSE DRAINAGE
DFP = REMOVE AND DISPOSE FLEXIBLE PAVEMENT
DS = REMOVE AND DISPOSE SEWER
HMA = HOT MIXED ASPHALT PAVEMENT (SEE DETAIL)
R&D = REMOVE AND DISPOSE
TIP = TEMPORARY INLET PROTECTION

ABBREVIATIONS

- ADA = AMERICANS WITH DISABILITIES ACT
ASSF = AREA SUBJECT TO STORM FLOWAGE
BM = BENCHMARK
BMP = BEST MANAGEMENT PRACTICE
BIT. = BITUMINOUS
BOT. = BOTTOM
CI = CAST IRON
CB = CATCH BASIN, 4' DIA. UNLESS OTHERWISE NOTED
CL. = CLASS
CMR = CODE OF MASSACHUSETTS REGULATIONS
CONC. = CONCRETE
DEMO = DEMOLITION
DIA. = DIAMETER
DIP = DUSTILE IRON PIPE
DMH = DRAIN MANHOLE
EOP = EDGE OF PAVEMENT
ELEV. = ELEVATION
EX. EXIST. = EXISTING
FFE = FINISH FLOOR ELEVATION
FT = FOOT
GTD = GRADE TO DRAIN
HDPE = HIGH DENSITY POLYETHYLENE PIPE
HYD = HYDRANT
I.D. = INNER DIAMETER
INV. = INVERT
LOD = LIMIT OF DISTURBANCE
LP = LOW POINT
MUTCD = MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION
MAX. = MAXIMUM
MIN. = MINIMUM
NTS. = NOT TO SCALE
OWS = OIL WATER SEPARATOR
PERF. = PERFORATED
PE = POLYETHYLENE
PVC = POLYVINYL CHLORIDE
R=X' = RADIUS
RCP = REINFORCED CONCRETE PIPE
MASSDEP = MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
MASSDOT = MASSACHUSETTS DEPARTMENT OF TRANSPORTATION
M.A. STD. = MASSACHUSETTS STANDARD
SMH = SEWER MANHOLE
SESD = SOIL EROSION AND SEDIMENT CONTROL
TP = TEST PIT
TYP. = TYPICAL
UP = UTILITY POLE
VC = VITRIFIED CLAY
w/ = WITH



OWNER/APPLICANT:

SCALE ADJUSTMENT GUIDE
1" BAR IS ONE INCH ON ORIGINAL DRAWING

Shoreline Resources, LLC
26 North Front Street
New Bedford, Massachusetts

REVISIONS:

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DRAWING TITLE:

LEGEND & ABBREVIATIONS

DRAWING NO.: C1.1

SHEET NO. 1 OF 1



OWNER/APPLICANT:

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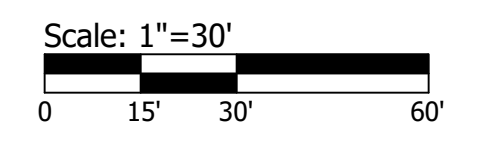
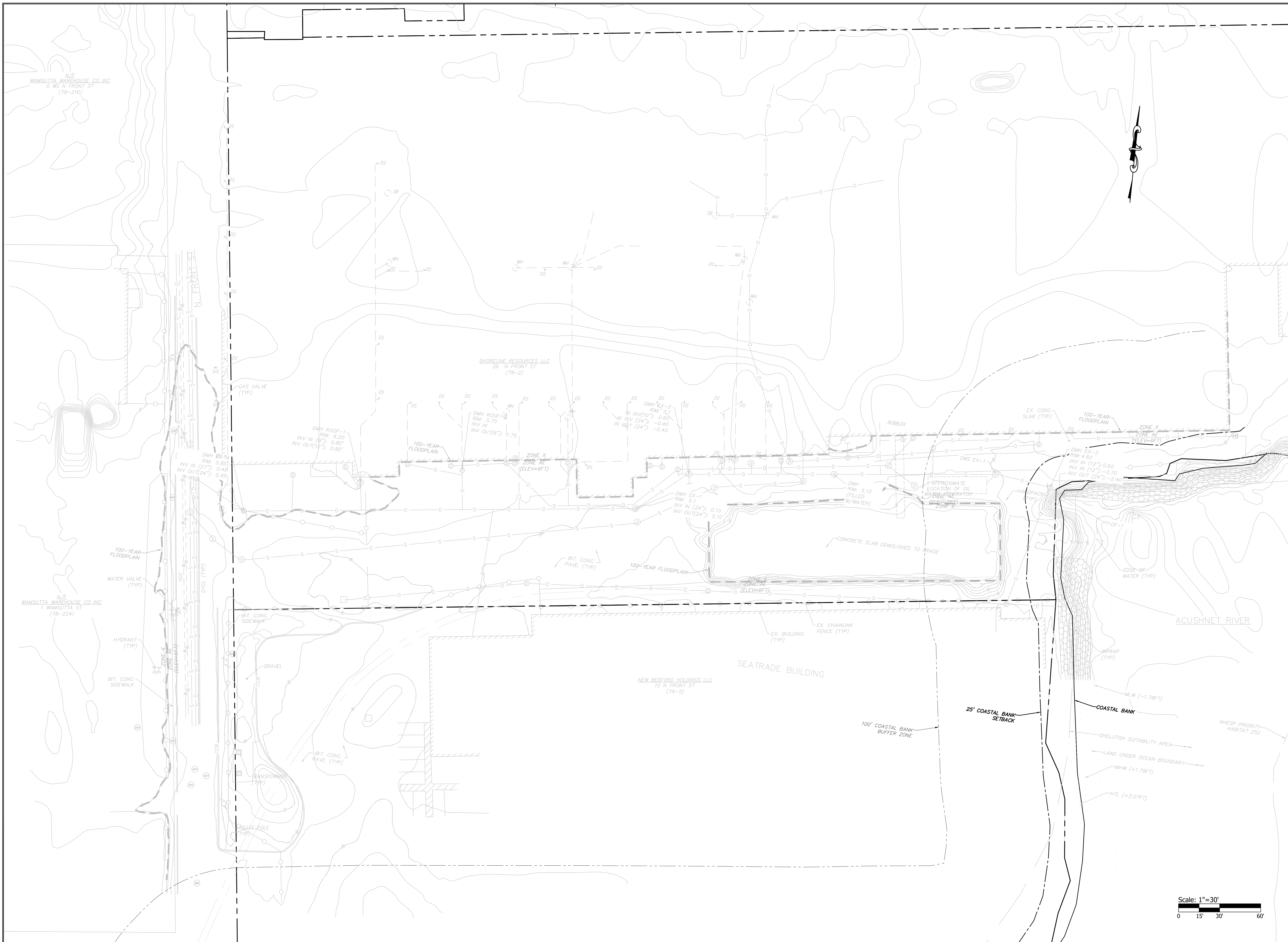
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EXISTING  
CONDITIONS PLAN

DRAWING NO.:  
C2.0  
SHEET NO. 2 OF 2



OWNER/APPLICANT:

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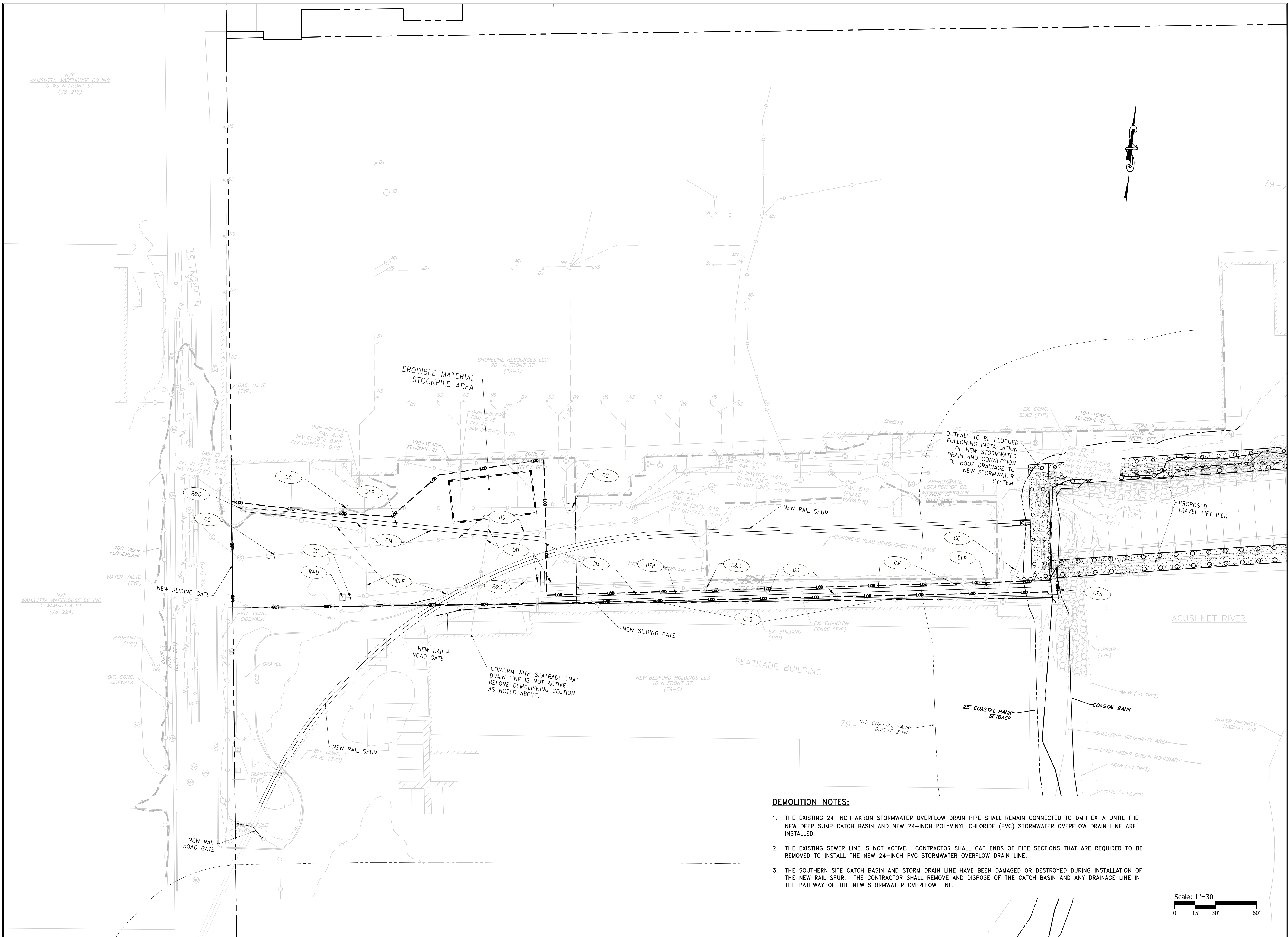
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GENERAL SITE PLAN

DRAWING NO.: C3.0  
 SHEET NO. 3 OF 3



**DEMOLITION NOTES:**

1. THE EXISTING 24-INCH AKRON STORMWATER OVERFLOW DRAIN PIPE SHALL REMAIN CONNECTED TO DMH EX-A UNTIL THE NEW DEEP SUMP CATCH BASIN AND NEW 24-INCH POLYVINYL CHLORIDE (PVC) STORMWATER OVERFLOW DRAIN LINE ARE INSTALLED.
2. THE EXISTING SEWER LINE IS NOT ACTIVE. CONTRACTOR SHALL CAP ENDS OF PIPE SECTIONS THAT ARE REQUIRED TO BE REMOVED TO INSTALL THE NEW 24-INCH PVC STORMWATER OVERFLOW DRAIN LINE.
3. THE SOUTHERN SITE CATCH BASIN AND STORM DRAIN LINE HAVE BEEN DAMAGED OR DESTROYED DURING INSTALLATION OF THE NEW RAIL SPUR. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF THE CATCH BASIN AND ANY DRAINAGE LINE IN THE PATHWAY OF THE NEW STORMWATER OVERFLOW LINE.

Scale: 1"=30'  
 0 15 30 60'

OWNER/APPLICANT:

SCALE ADJUSTMENT GUIDE  
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 BAR IS ONE INCH ON ORIGINAL DRAWING

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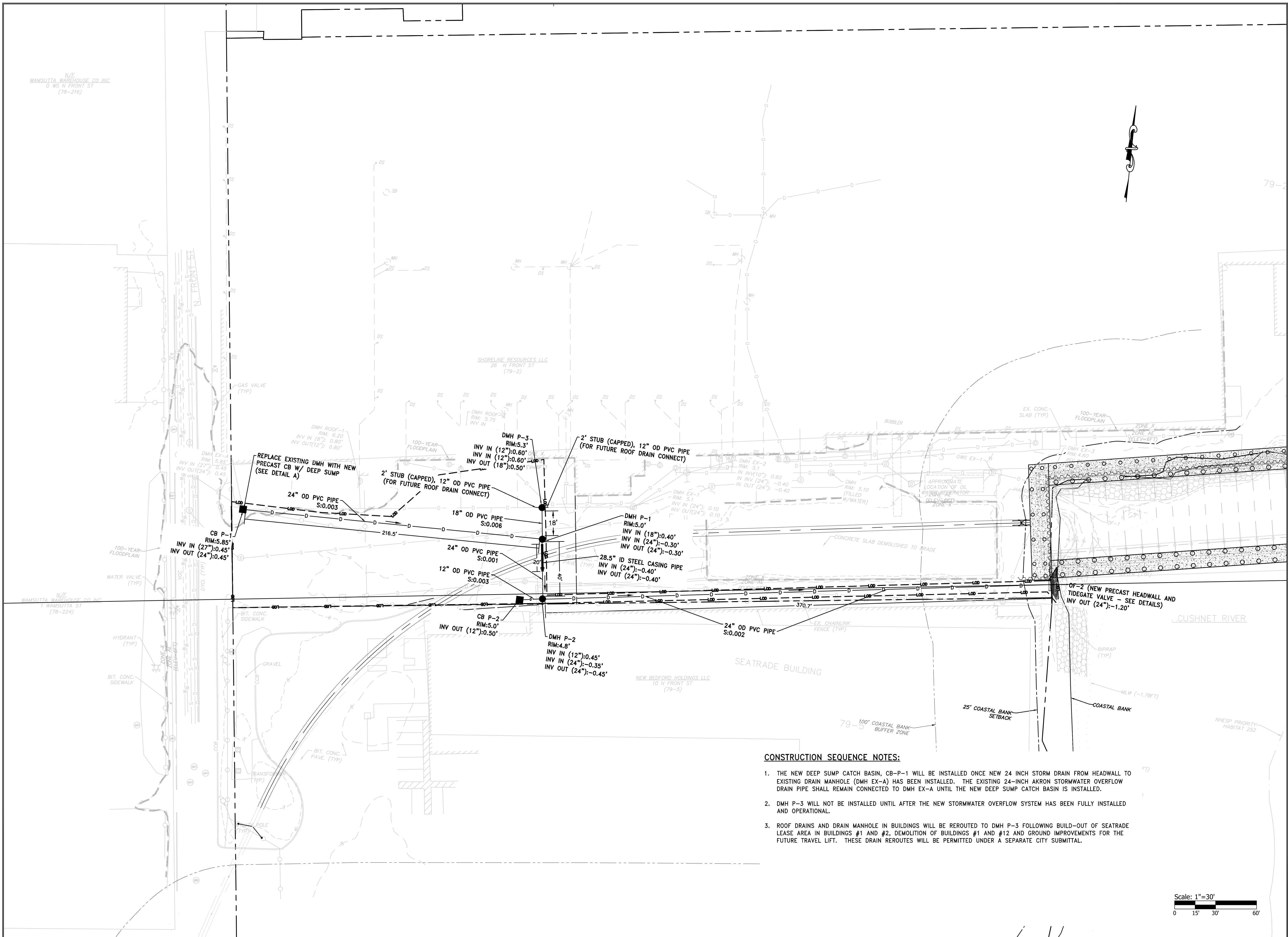
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PROPOSED STORMWATER OVERFLOW

DRAWING NO.: C4.0

SHEET NO. 4 OF 4



**CONSTRUCTION SEQUENCE NOTES:**

1. THE NEW DEEP SUMP CATCH BASIN, CB-P-1 WILL BE INSTALLED ONCE NEW 24 INCH STORM DRAIN FROM HEADWALL TO EXISTING DRAIN MANHOLE (DMH EX-A) HAS BEEN INSTALLED. THE EXISTING 24-INCH AKRON STORMWATER OVERFLOW DRAIN PIPE SHALL REMAIN CONNECTED TO DMH EX-A UNTIL THE NEW DEEP SUMP CATCH BASIN IS INSTALLED.
2. DMH P-3 WILL NOT BE INSTALLED UNTIL AFTER THE NEW STORMWATER OVERFLOW SYSTEM HAS BEEN FULLY INSTALLED AND OPERATIONAL.
3. ROOF DRAINS AND DRAIN MANHOLE IN BUILDINGS WILL BE REROUTED TO DMH P-3 FOLLOWING BUILD-OUT OF SEATRADE LEASE AREA IN BUILDINGS #1 AND #2, DEMOLITION OF BUILDINGS #1 AND #12 AND GROUND IMPROVEMENTS FOR THE FUTURE TRAVEL LIFT. THESE DRAIN REROUTES WILL BE PERMITTED UNDER A SEPARATE CITY SUBMITTAL.

Scale: 1"=30'  
 0 15 30 60'

OWNER/APPLICANT:

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 BAR IS ONE INCH ON ORIGINAL DRAWING

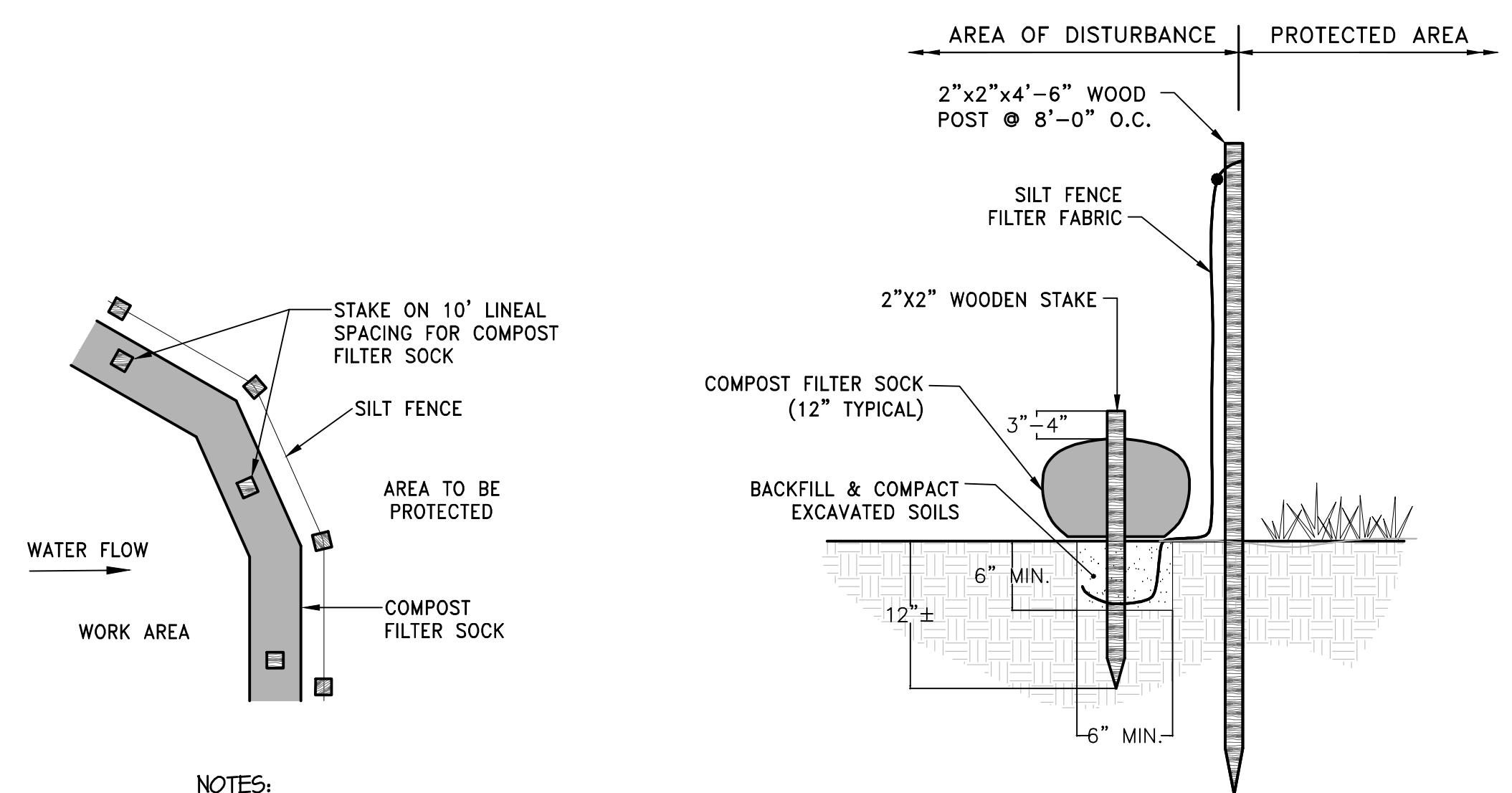
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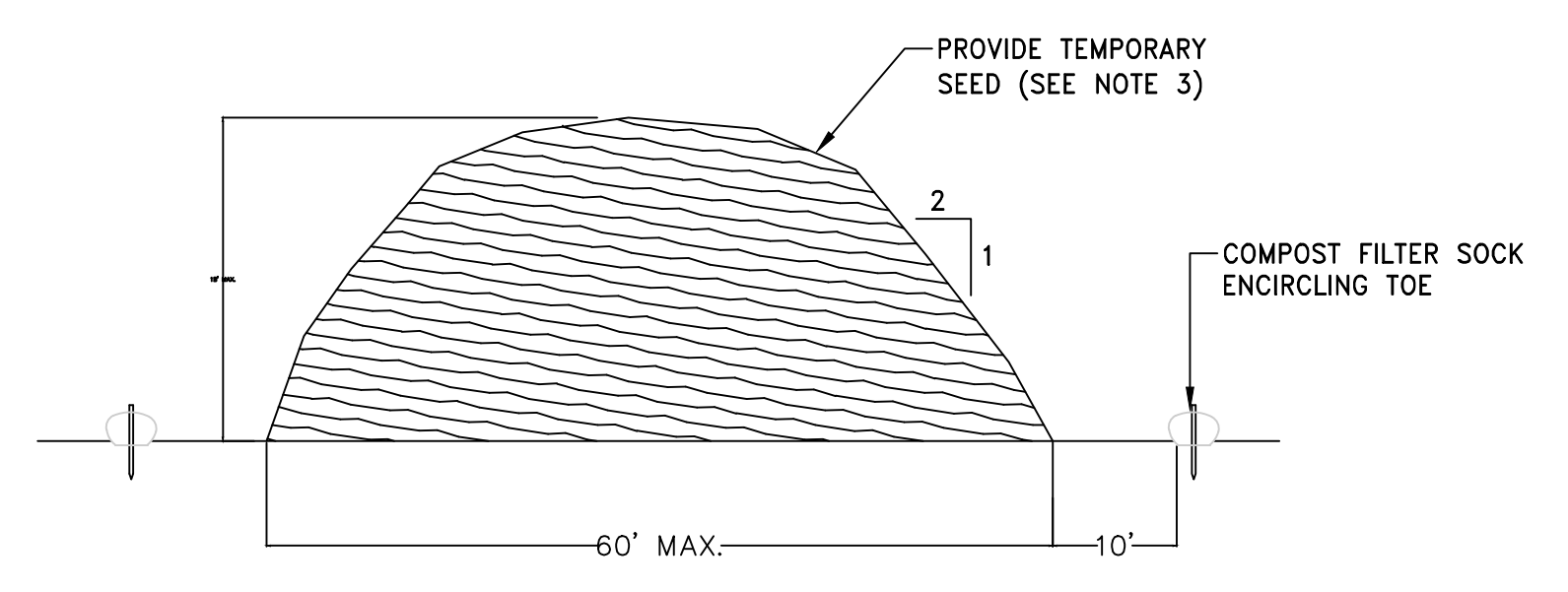
DETAIL 1

DRAWING NO.: C5.1  
 SHEET NO. 5 OF 5



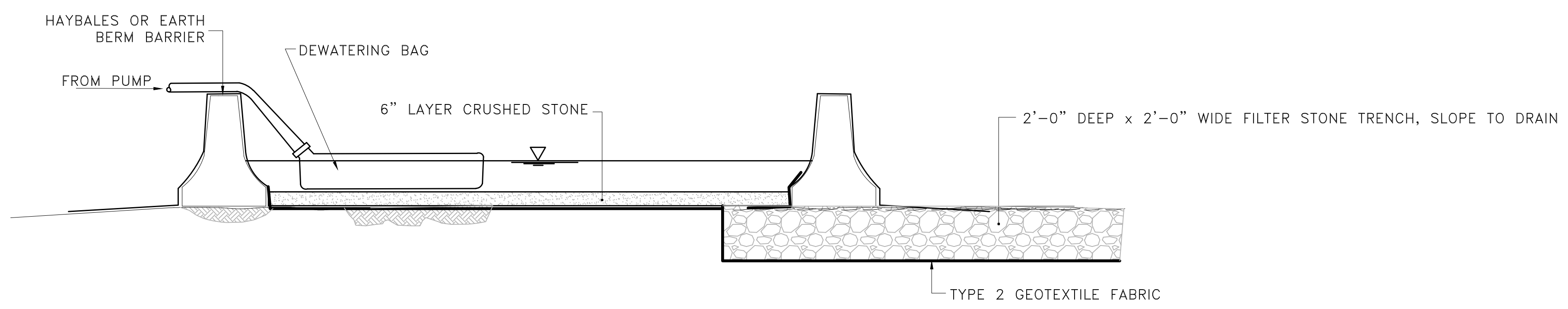
- NOTES:**
1. COMPOST/ SOIL/ ROCK/ SEED FILL TO MEET APPLICATION REQUIREMENTS.
  2. COMPOST MATERIAL TO BE REMOVED OR DISPERSED ON SITE AS DETERMINED BY ENGINEER.
  3. IF SOCK NETTING MUST BE JOINED, FIT BEGINNING OF NEW SOCK OVER END OF OLD SOCK, OVERLAPPING BY 2 FEET AND STACK OVERLAP. IF SOCK NETTING IS NOT JOINED, OVERLAP OLD SOCK WITH NEW ONE BY A MINIMUM OF 2 FEET.

**COMPOST FILTER SOCK WITH SILT FENCE DETAIL**  
 NOT TO SCALE



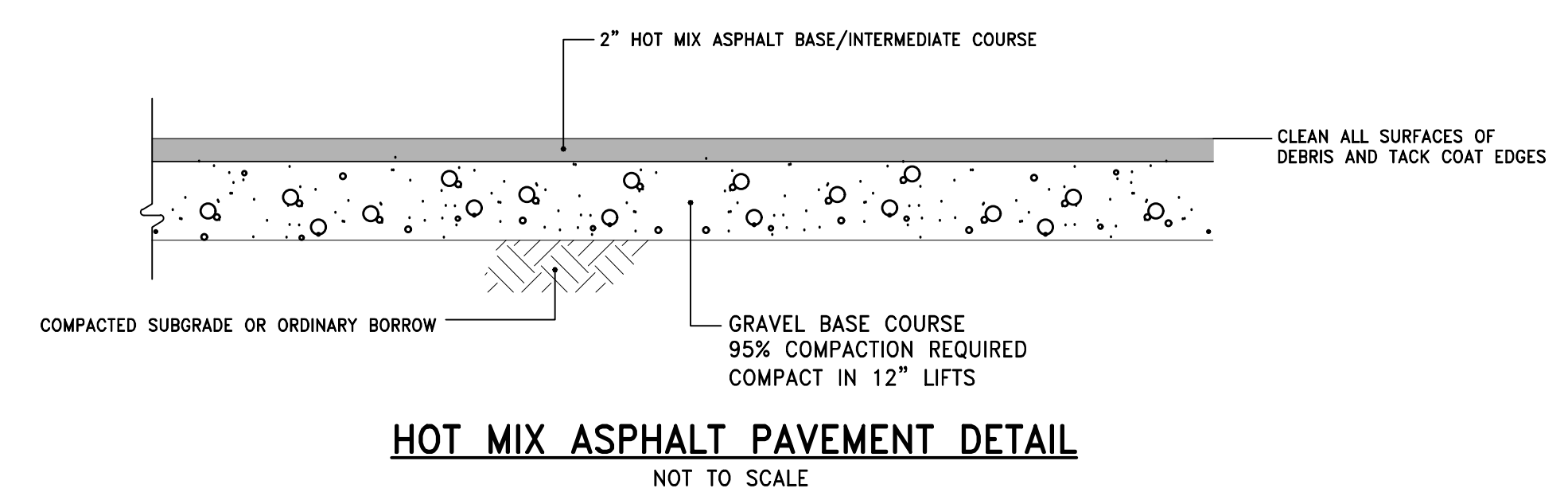
- NOTES:**
1. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PREPARE A PLAN SHOWING THE PROPOSED LOCATION OF ALL STOCKPILE AREAS.
  2. STOCKPILE AREA SHALL NOT EXCEED SPECIFIED DIMENSIONS WITHOUT APPROVAL FROM ENGINEER.
  3. STOCKPILED ERODIBLE MATERIAL THAT WILL NOT BE USED FOR GREATER THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEED IMMEDIATELY FOLLOWING PLACEMENT. USE MASSDOT STD. M6.03.1 EROSION SEED).

**ERODIBLE MATERIAL STOCKPILE**  
 NOT TO SCALE

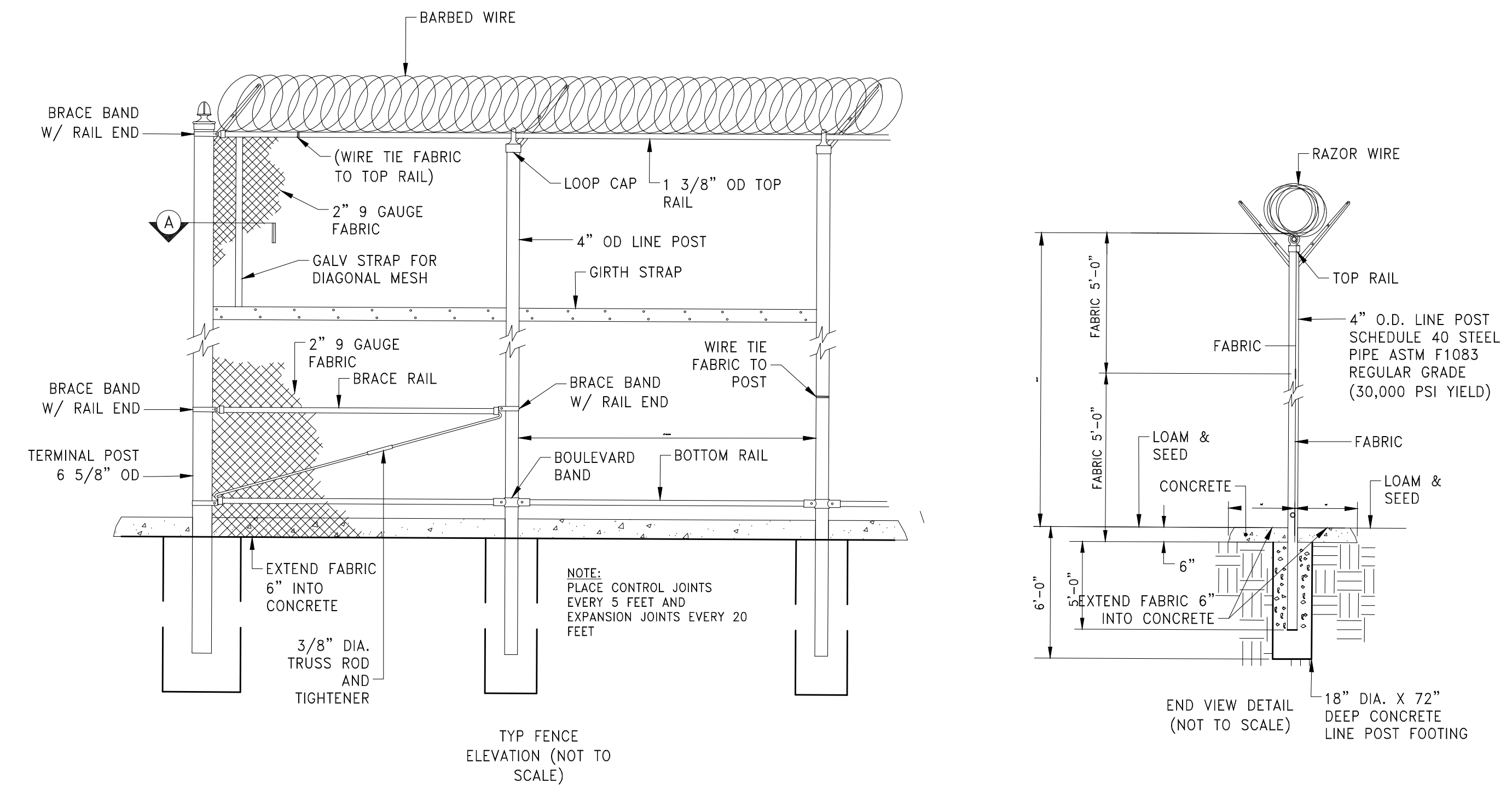


**NOTE:**  
 CONTRACTOR TO PERIODICALLY REMOVE SILT AND STONE AT TRENCH DRAIN TO PROMOTE FLOW OF WATER FROM BASIN. ALTERNATIVELY AN OUTFLOW WEIR MAY BE SUBMITTED FOR APPROVAL.

**FILTER FABRIC DEWATERING BASIN DETAIL**  
 NOT TO SCALE



**HOT MIX ASPHALT PAVEMENT DETAIL**  
 NOT TO SCALE



**CHAIN LINK FENCE & GATE**  
 NOT TO SCALE



OWNER/APPLICANT:

SCALE ADJUSTMENT GUIDE  
 0" 1"  
 BAR IS ONE INCH ON ORIGINAL DRAWING

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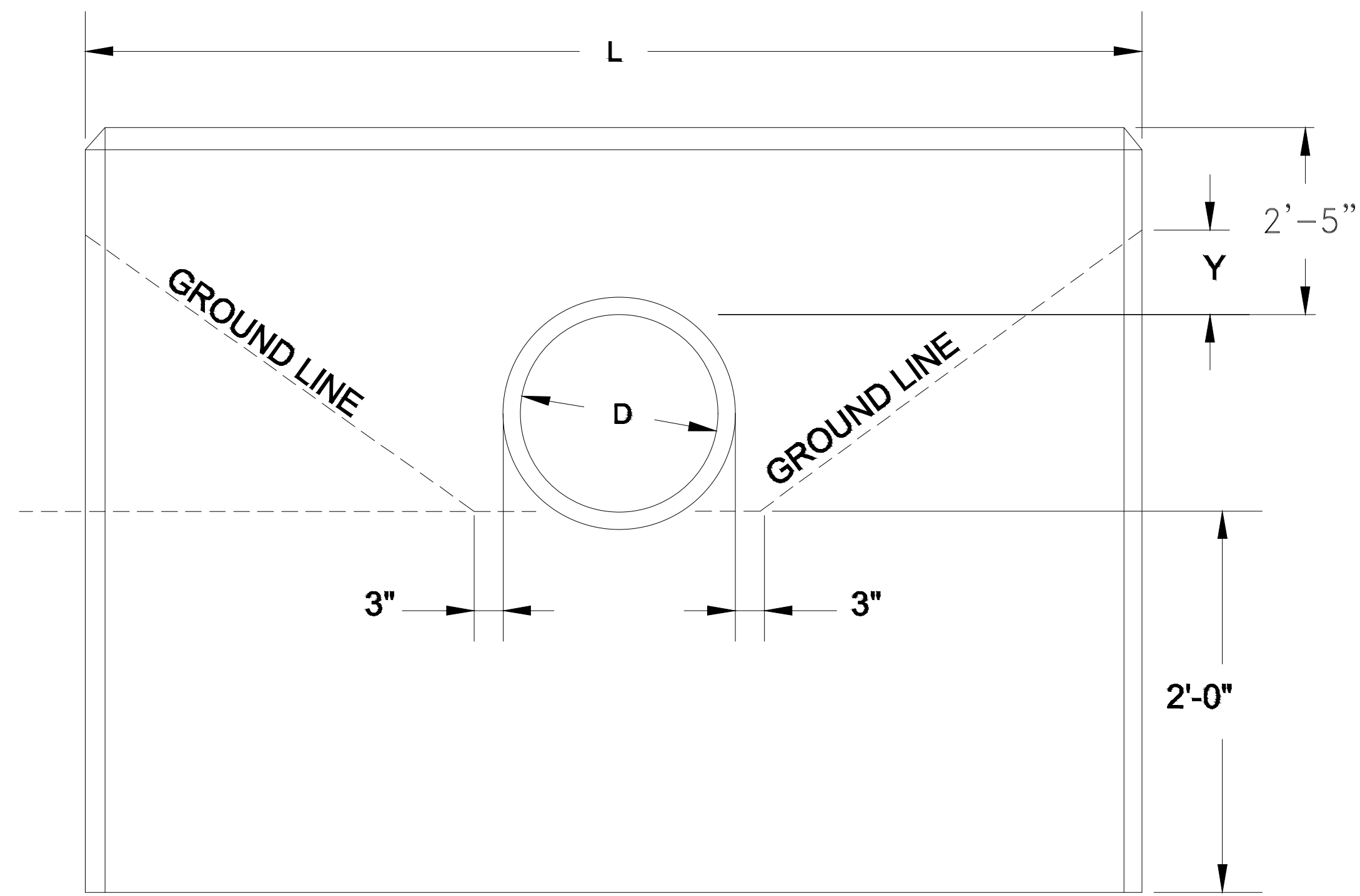
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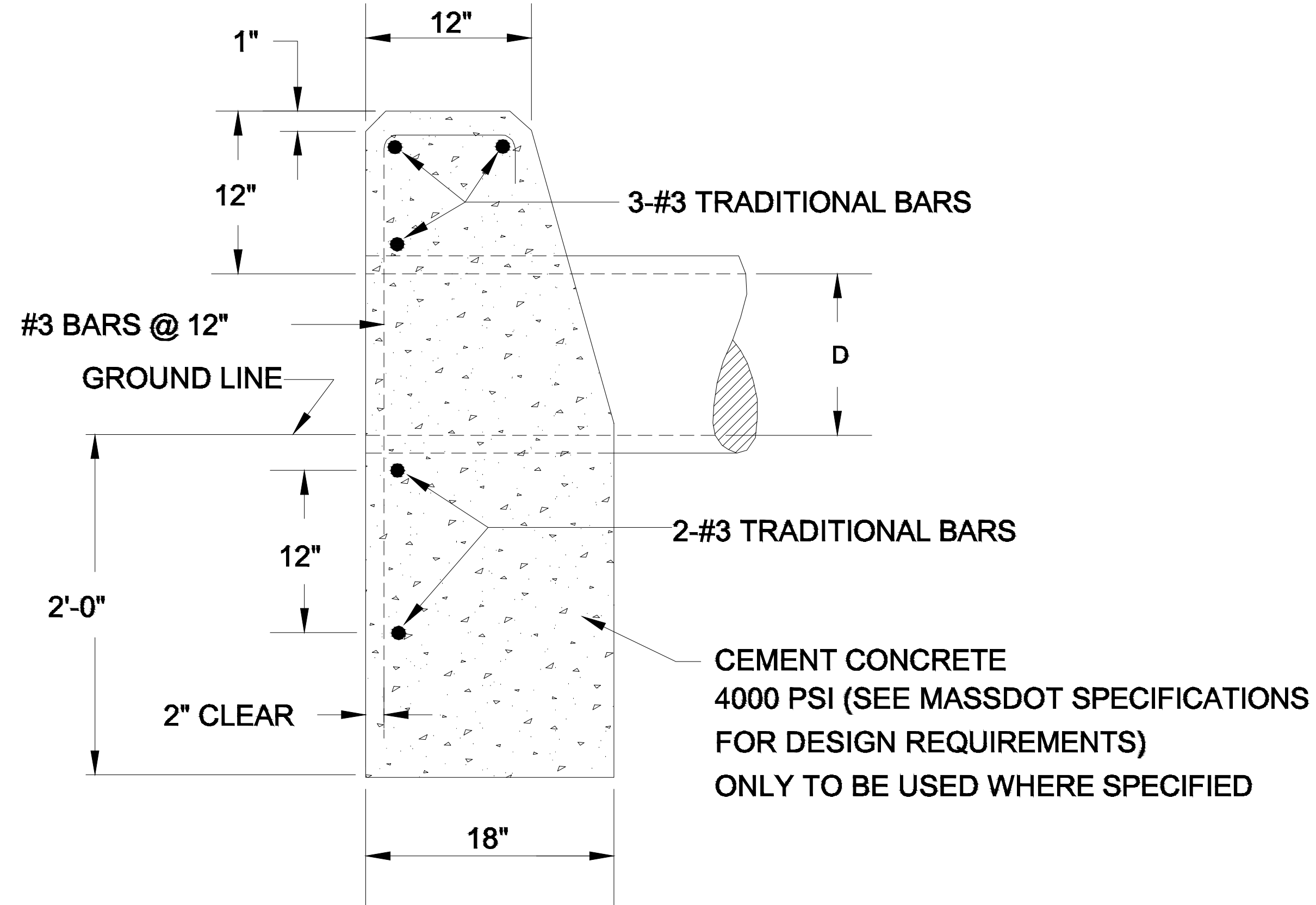
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DRAWING NO.: C5.3

SHEET NO. 7 OF 7

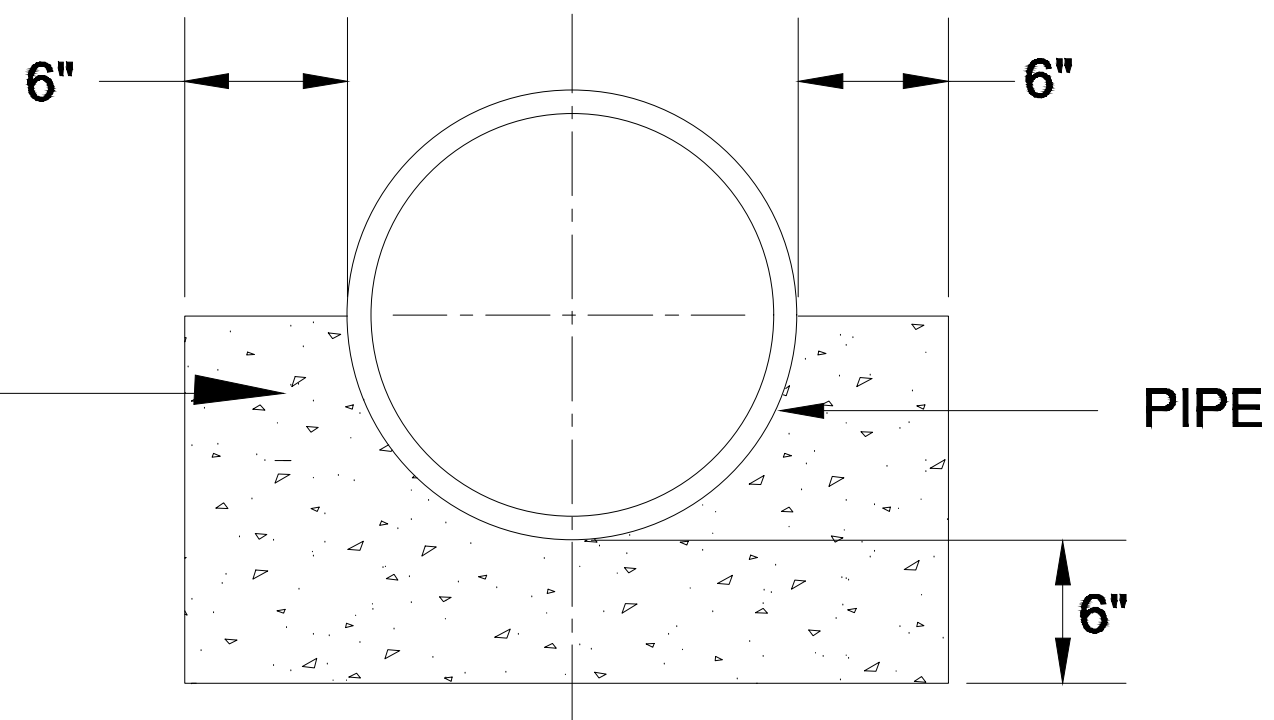


**FRONT ELEVATION**



**END ELEVATION**

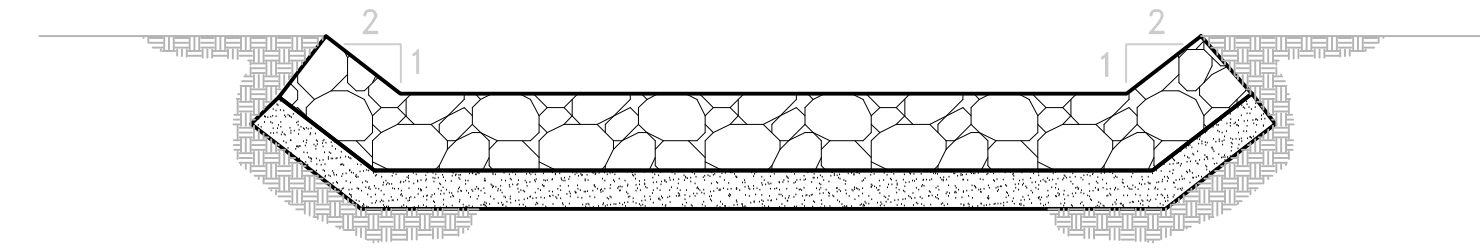
CEMENT CONCRETE  
 4000 PSI (SEE MASSDOT SPECIFICATIONS  
 FOR DESIGN REQUIREMENTS)  
 ONLY TO BE USED WHERE SPECIFIED



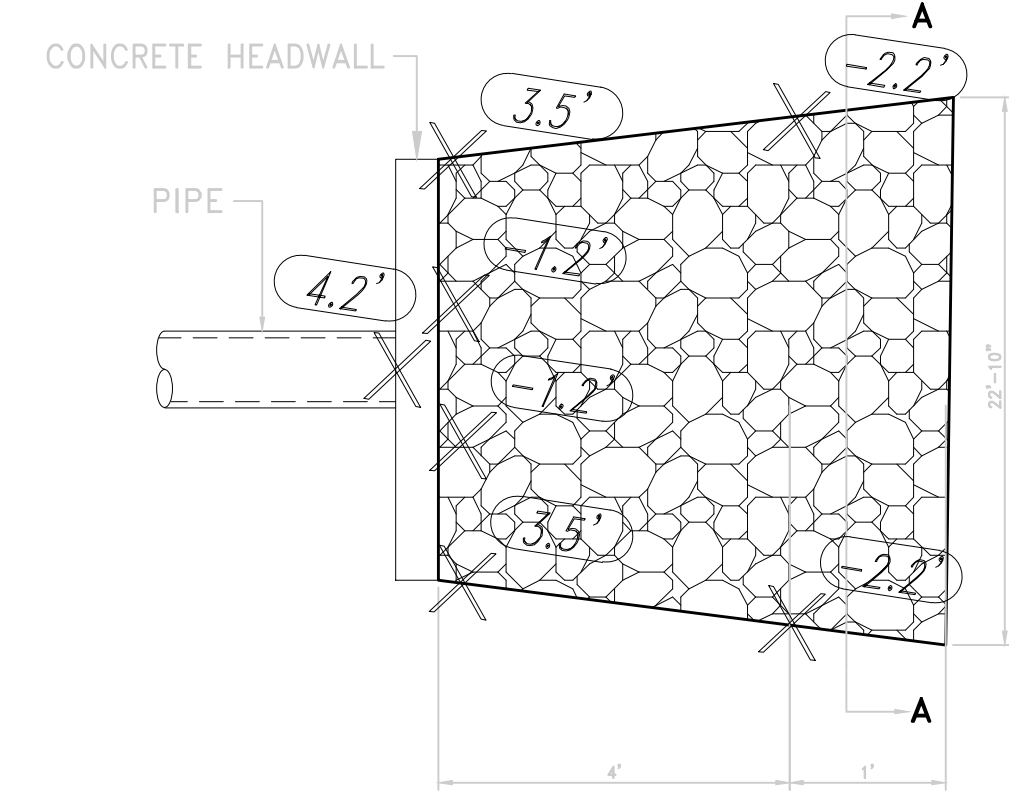
**CONCRETE CRADLE  
 FOR PIPE CULVERTS**

NOTES:

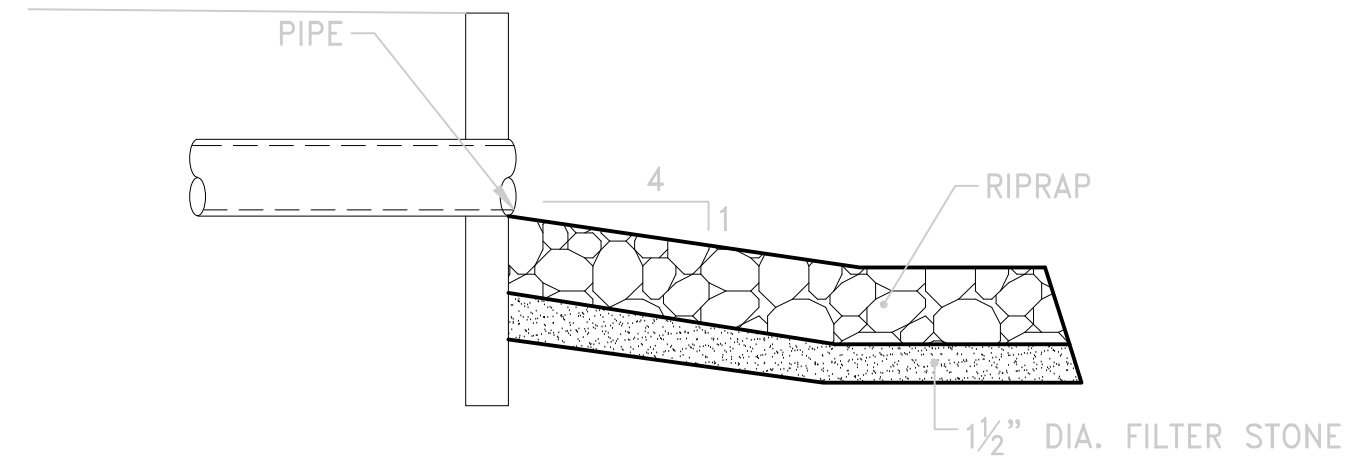
1. FOR DESCRIPTIONS, MATERIALS AND CONSTRUCTION METHODS, SEE LATEST MASSDOT STANDARD SPECIFICATIONS.
2. CONCRETE DIMENSIONS SHOWN ARE MINIMUM.



**SECTION A-A**



**PLAN**



**SIDE ELEVATION**

**PIPE OUTLET PROTECTION**

NOT TO SCALE

PIPE DIAMETER, D	1 1/2 : 1 SLOPE	
	L	Y
24"	9'-3"	4"

**CONCRETE MASONRY HEADWALL FOR 24" PIPE**

NOT TO SCALE

OWNER/APPLICANT:


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 0" = 1"  
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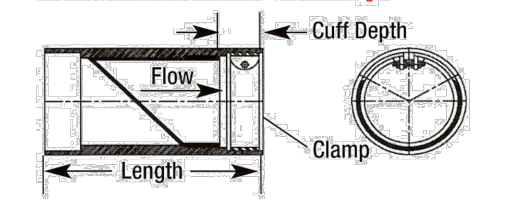

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 DETAIL 4

DRAWING NO.: C5.4  
 SHEET NO. 8 OF -

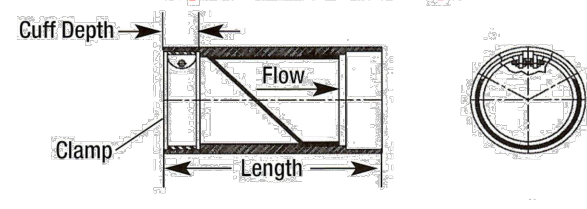


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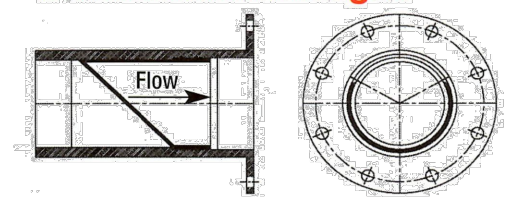
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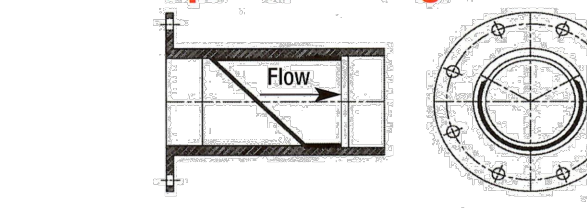
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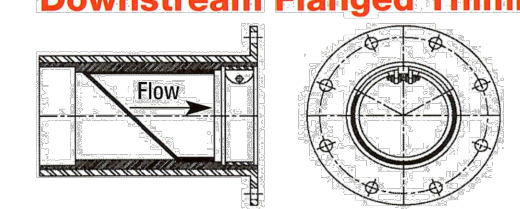
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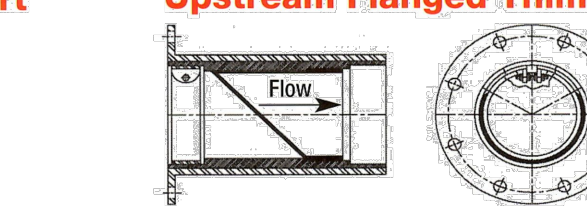
**Upstream Flanged**



**Downstream Flanged Thimble Insert**



**Upstream Flanged Thimble Insert**



CheckMates® can be made for any pipe I.D. Built to fit in sizes from 3" to 78".

Flange shape and bolt pattern can be customized. Flangeless thimble inserts are available.

CHECKMATE® VALVE											
Flow Pressure	NOMINAL PIPE SIZE I.D.		OVERALL LENGTH*		NUMBER OF CLAMPS	CUFF DEPTH		BACK PRESSURE RATING**		WEIGHT	
	Inches	Millimeters	Inches	Millimeters		Inches	Millimeters	Feet	Meters		
Low	3	75	5.1	130	1	1.5	38	5	1.5	1.5	0.7
	4	100	7.9	201	1	1.5	38	5	1.5	1.5	0.7
Standard	3	75	5.1	130	1	1.5	38	85	26.0	3	1.4
	4	100	7.9	201	1	1.5	38	85	26.0	3	1.5
	5	125	9.5	241	1	1.5	38	83	25.3	4	2
	6	150	11.0	279	1	2.0	51	83	25.3	9	4
	7	175	12.8	325	1	2.0	51	79	24.1	11	5
	8	200	15.2	386	1	2.0	51	79	24.1	13	6
	9	225	15.4	391	1	2.0	51	75	22.9	17	8
	10	250	16.1	409	1	2.0	51	71	21.6	20	10
	12	300	19.8	503	1	2.0	51	68	20.1	37	17
	14	350	25.8	655	1	4.0	102	64	20.0	110	50
	16	400	28.6	726	1	4.0	102	60	18.3	133	52
	18	450	31.0	787	1	4.0	102	56	17.1	143	65
	20	500	42.1	1069	2	8.0	203	53	16.2	223	102
	24	600	47.5	1207	2	8.0	203	45	13.7	304	137
	30	750	54.9	1385	2	8.0	203	38	11.6	500	227
	36	900	62.3	1582	2	8.0	203	30	9.1	828	376
	42	1050	70.6	1793	2	8.0	203	26	7.9	1423	646
	48	1200	79.0	2007	2	8.0	203	23	7.0	1801	817
54	1350	86.4	2195	2	8.0	203	17	5.2	2700	1225	
60	1500	96.8	2459	2	9.0	229	15	4.6	3315	1504	
72	1800	119.0	3023	3	12.0	305	13	4.0	6100	2767	
78	1950	119.0	3023	3	12.0	305	13	4.0	7000	3176	

\*Shorter lengths available. \*\*Back pressure measured from pipe invert. Higher back pressure ratings available. Consult factory.

www.tideflex.com/checkmate

**TIDEFLEX CHECKMATE GATE VALVE**  
 NOT TO SCALE

OWNER/APPLICANT:

SCALE ADJUSTMENT GUIDE  
 0' 1'  
 BAR IS ONE INCH ON ORIGINAL DRAWING

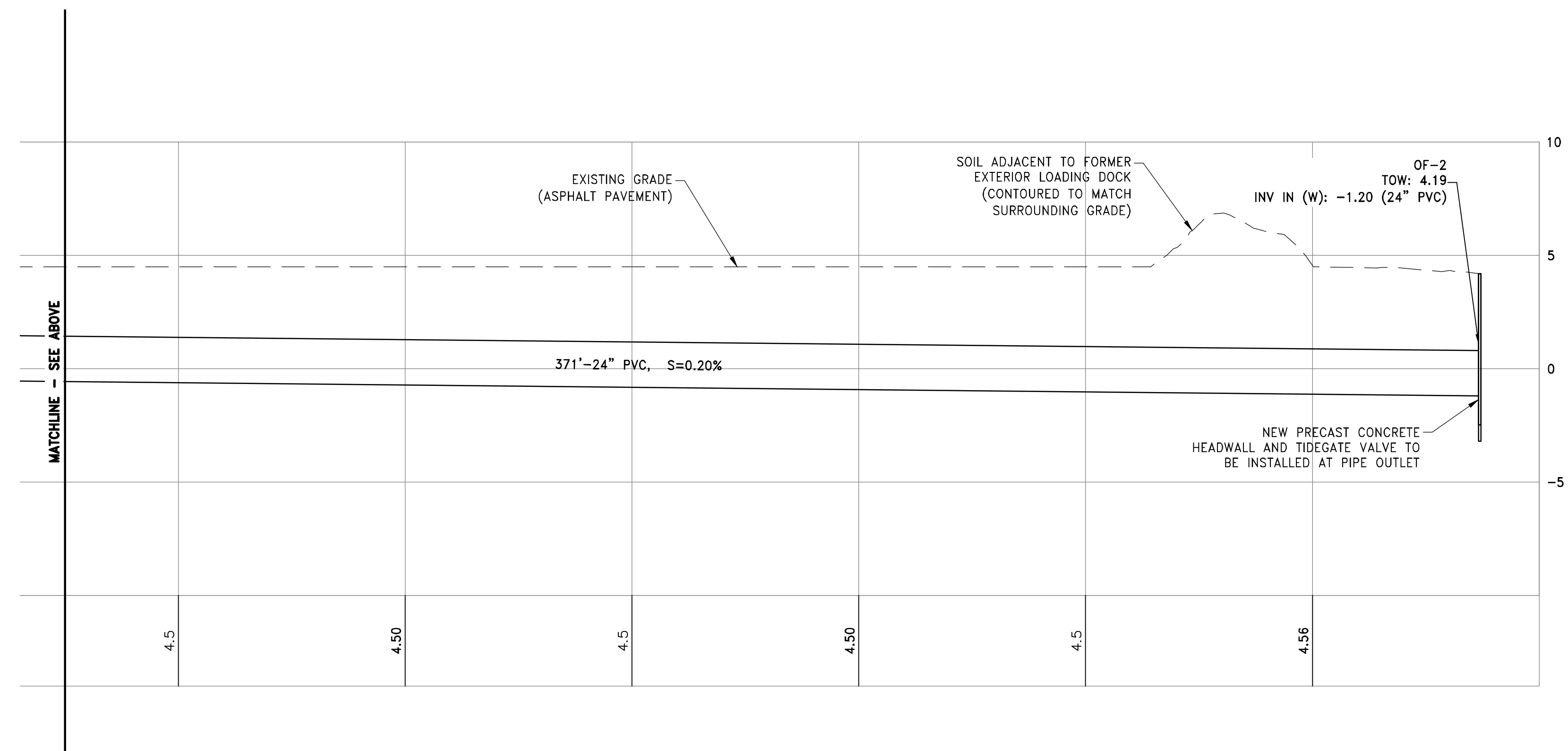
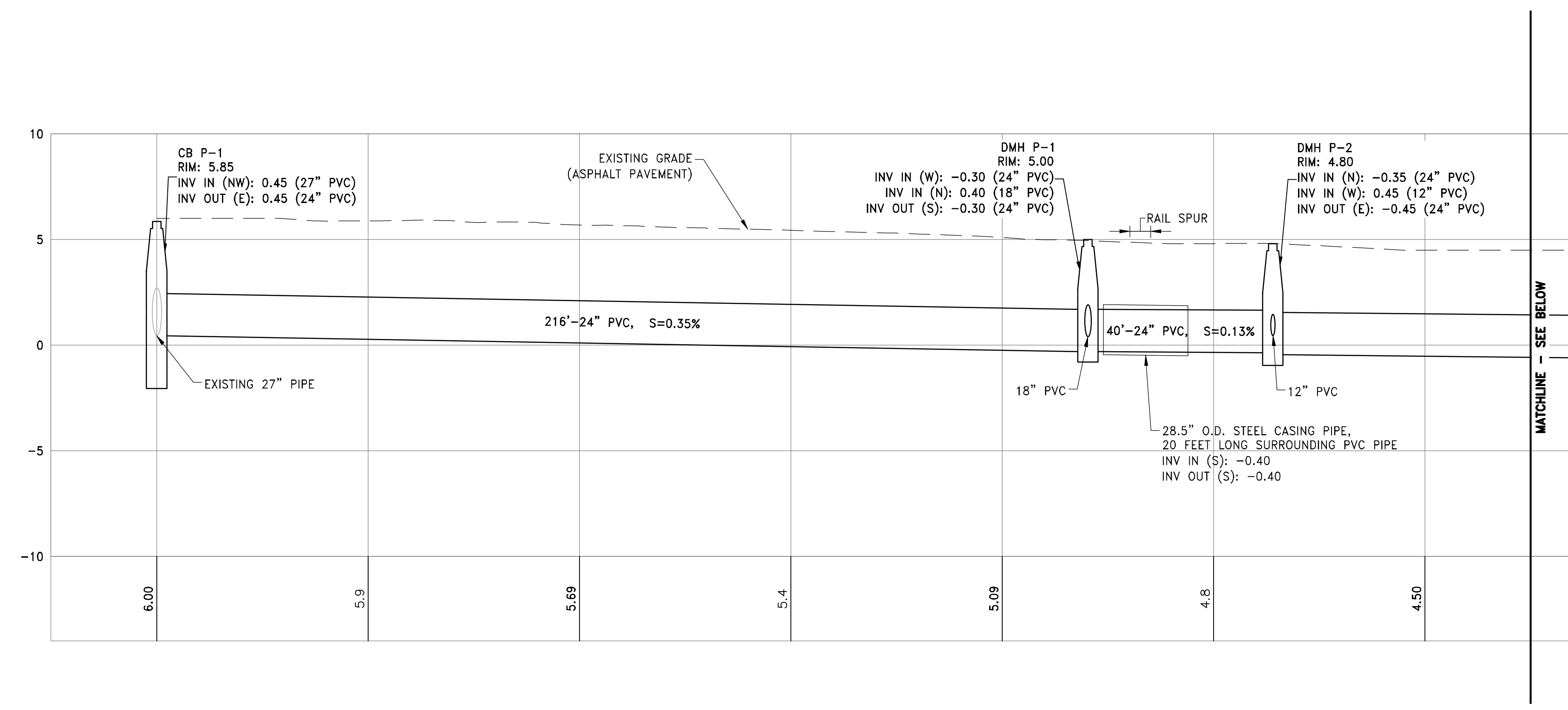
**Shoreline Resources, LLC**  
 26 North Front Street  
 New Bedford, Massachusetts

REVISIONS:

PROJECT NO.: 20109  
 DATE: JULY 21, 2021  
 SCALE: AS NOTED  
 DESIGNED BY:  
 CHECKED BY: ACT  
 DRAWN BY: AL  
 APPROVED BY: ADH  
 DRAWING TITLE:

PROPOSED  
 STORMWATER  
 OVERFLOW PROFILE

DRAWING NO.:  
 C6.1  
 SHEET NO. 7 OF 7



NOTE: ALL PVC PIPE IS SDR-35 OR EQUIVALENT

**STORMWATER PIPE PROFILE**  
 SCALE: 1"=20' HOR.  
 SCALE: 1"=4' VER.

