



State of Rhode Island and Providence Plantations
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road, Suite 3
Wakefield, RI 02879-1900

(401) 783-3370
Fax (401) 783-2069

PUBLIC NOTICE

File Number: 2018-02-059

Date: March 13, 2018

This office has under consideration the application of:

US Environmental Protection Agency
27 Tarzwell Drive
Narragansett, RI 02882

for a Federal Consistency Review for:

the demolition of an existing pier which currently houses the existing seawater intake system. The construction consists of 2 pipelines to intake seawater, a new pump house and pumps. Approximately 65 cubic yards of sand will be removed to accommodate the pipelines and intake structure. Bedding stone and pipes will be placed on the bay floor to allow for the intake of seawater. Approximately 300 cubic yards of clean riprap fill will be used to provide protective cover for the pipeline and warning buoys will be set along the pipeline alignment to delineate its location.

A special exception is required to the activity of Filling in Tidal Waters (designated Type 2), Reference (RICRMP Section 1.3.1.J.3.a), Improvement Dredging (RICRMP Section 1.3.1.(i).3.b), and Constructing a Structure on a coastal beach and over tidal waters (RICRMP Section 1.1.5.A. (Type 2 waters, Table 1A)

Project Location:	27 Tarzwell Drive
City/Town:	Narragansett
Plat/Lot:	N-C / 1-A
Waterway:	Narragansett Bay (West Passage)

Plans of the proposed work may be seen at the CRMC office in Wakefield.

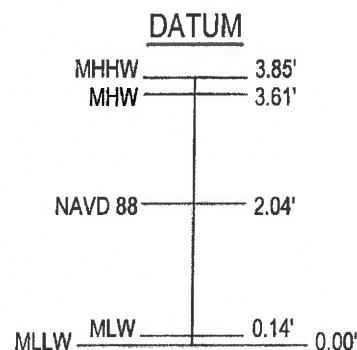
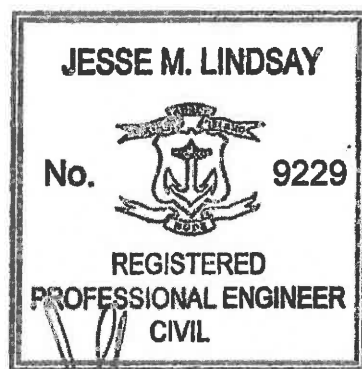
In accordance with the Administrative Procedures Act (Chapter 42-35 of the Rhode Island General Laws) you may request a hearing on this matter.

CRMC Public Notice
March 15, 2018

You are advised that if you have good reason to enter protests against the proposed work it is your privilege to do so. It is expected that objectors will review the application and plans thoroughly, visit site of proposed work if necessary, to familiarize themselves with the conditions and cite what law or laws, if any, would in their opinion be violated by the work proposed.

If you desire to protest, you must attend the scheduled hearing and give sworn testimony. A notice of the time and place of such hearing will be furnished you as soon as possible after receipt of your request for hearing. If you desire to request a hearing, to receive consideration, it should be in writing (**with your correct mailing address, e-mail address and valid contact number**) and be received at this office on or before March 30, 2018.

PERMIT DRAWINGS FOR U.S. EPA - NARRAGANSETT ATLANTIC ECOLOGY DIVISION SEAWATER PUMPS REPLACEMENT

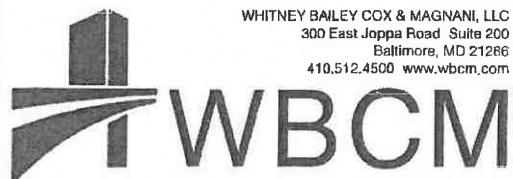


INDEX OF DRAWINGS

- SK-1 COVER SHEET
- SK-2 LOCATION MAP
- SK-3 EXISTING CONDITIONS SITE PLAN
- SK-4 PROPOSED CONDITIONS SITE PLAN
- SK-5 DEMOLITION PLAN
- SK-6 LAYOUT PLAN
- SK-7 SECTION
- SK-8 SECTION
- SK-9 SECTION
- SK-10 SCREEN ANCHOR BLOCK DETAIL
- SK-11 SCREEN ANCHOR BLOCK DETAIL
- SK-12 SCREEN ANCHOR BLOCK DETAIL
- SK-13 SCREEN ANCHOR BLOCK DETAIL
- SK-14 PIPE CRADLE / PIPE BEDDING STONE RETENTION DETAIL
- SK-15 PIPE CRADLE / PIPE BEDDING STONE RETENTION DETAIL
- SK-16 PIPE CRADLE / PIPE BEDDING STONE RETENTION DETAIL
- SK-17 DREDGING PROFILE
- SK-18 DREDGING SECTION
- SK-19 DREDGING SECTION
- SK-20 TURBIDITY CURTAIN DETAIL
- SK-21 IMPACTS SUMMARY

DATUM NOTES

1. HYDROGRAPHIC DATA WAS COLLECTED ON MARCH 13, 2013 BY CHILDS ENGINEERING CORPORATION AND CAN ONLY REFLECT CONDITIONS AS THEY EXISTED DURING THE TIME OF SURVEY.
2. COORDINATES ARE BASED ON THE RHODE ISLAND STATE PLANE COORDINATE SYSTEM AND ARE EXPRESSED IN FEET.
3. SOUNDINGS AND ELEVATIONS ARE SHOWN IN FEET AND HUNDREDTHS AND ARE BASED ON THE MEAN LOWER LOW WATER LINE (MLLW). NEGATIVE VALUES REPRESENT AN ELEVATION BELOW THAT SAME PLANE.
4. BENCHMARK INFORMATION BASED ON SURVEY CONTROL DISK STAMPED "URI PIER 1989" OF ELEVATION 8.27' (MLLW) WHICH IS LOCATED NEAR THE NORTHEAST CORNER OF THE URI PIER APPROXIMATELY 800 FEET SOUTH OF THE EPA PIER.



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COVER SHEET

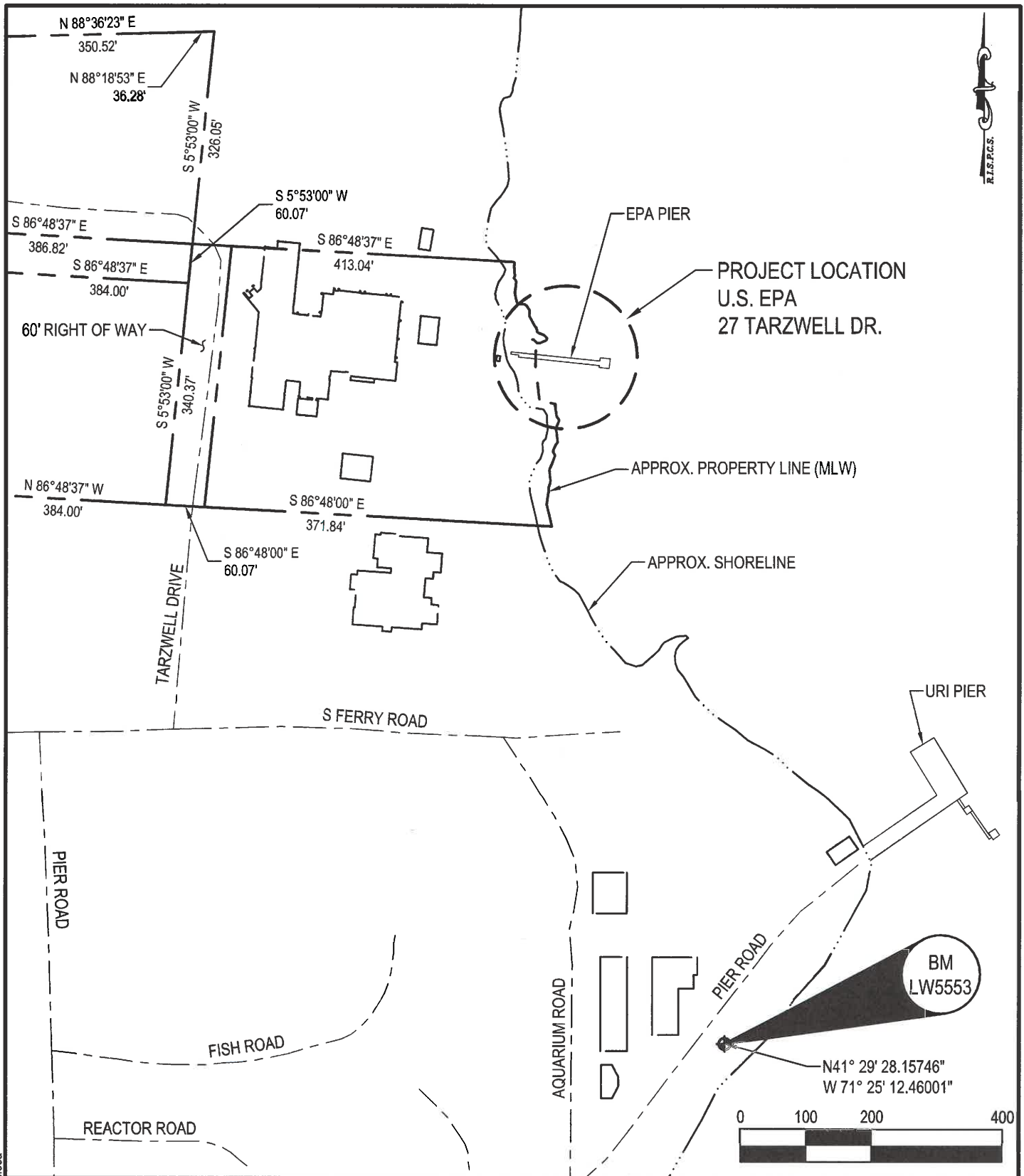
Seawater Pumps Replacement

U.S. EPA - Narragansett Atlantic Ecology Division
27 Tarzwell Drive
Narragansett, Rhode Island, 02882

DATE:
9/27/17

SCALE:
N/A

SK-1



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LOCATION MAP

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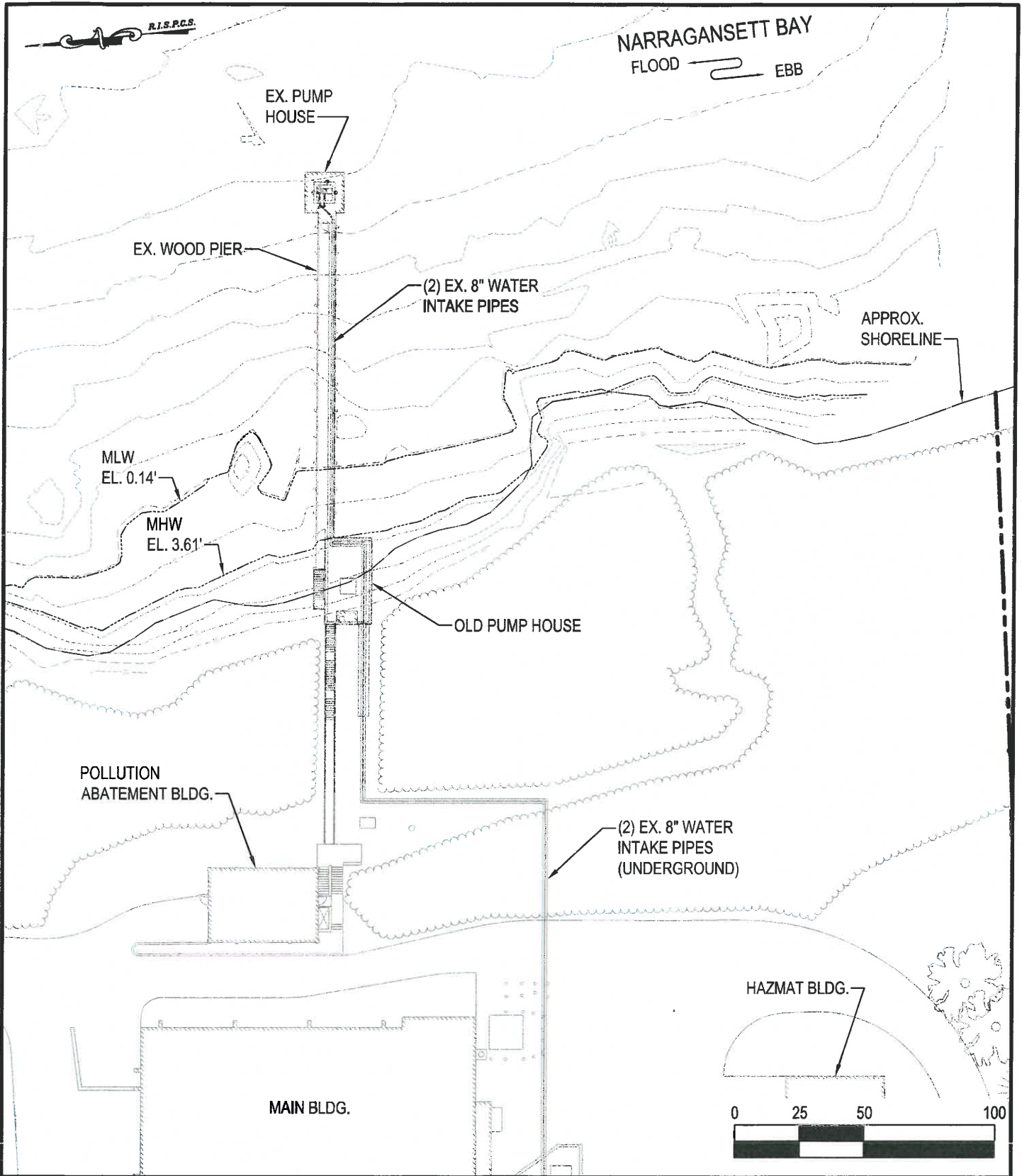
U.S. EPA - Narragansett Atlantic Ecology Division
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DATE:
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SCALE:
1" = 200'

SK-2

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EXISTING CONDITIONS SITE PLAN

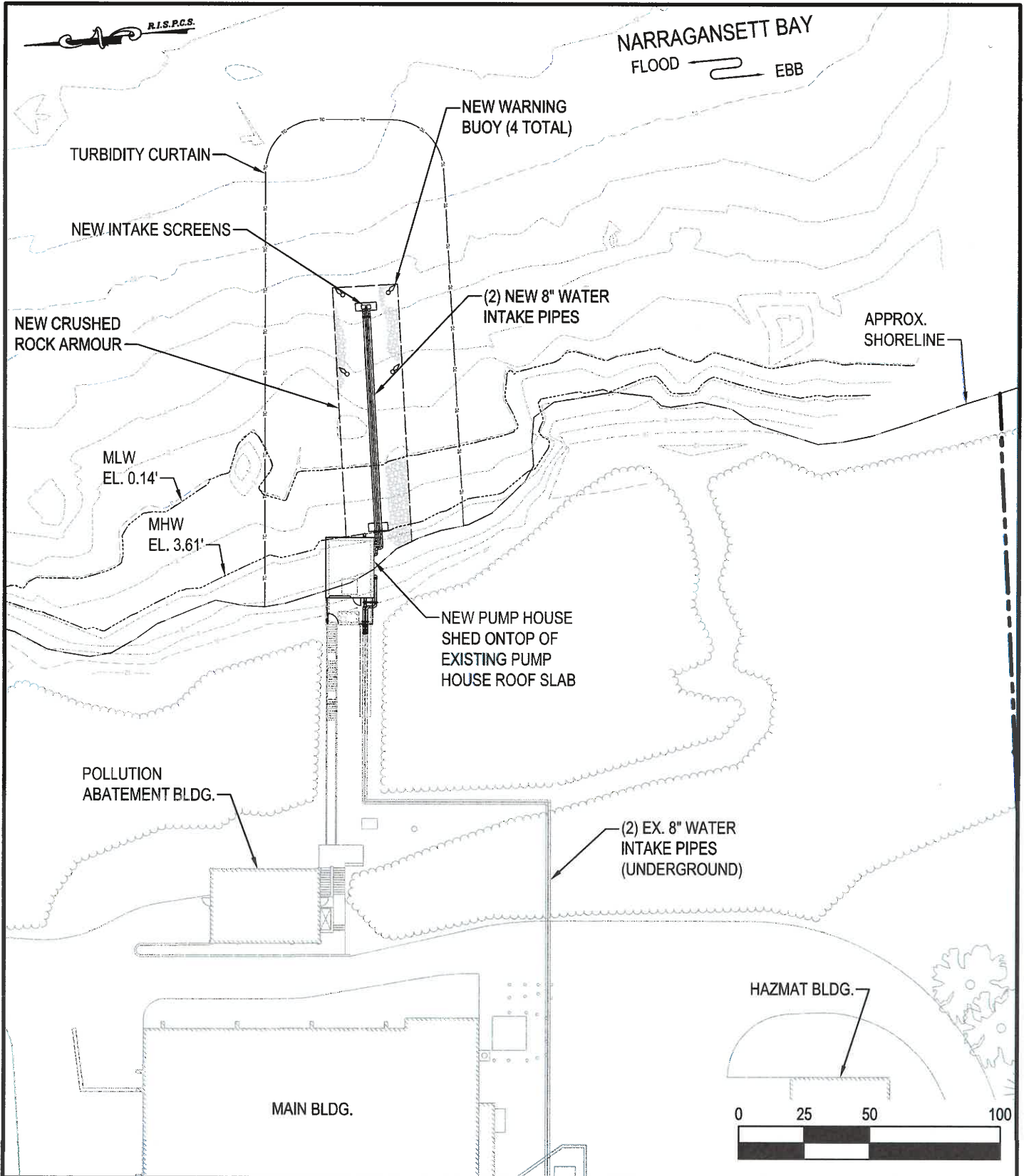
Seawater Pumps Replacement

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DATE:
9/27/17

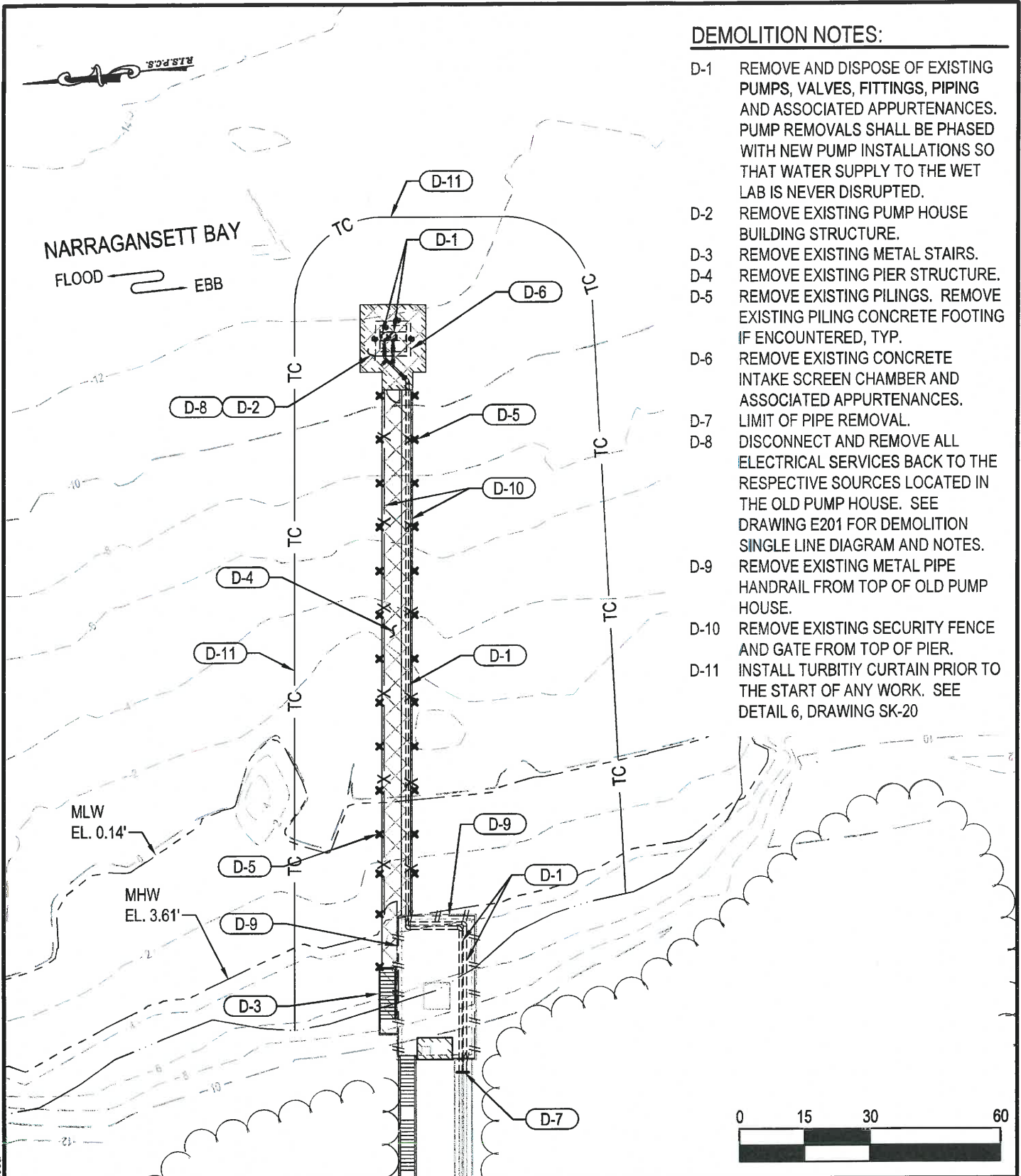
SCALE:
1" = 50'

SK-3

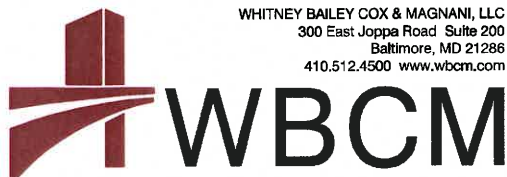


DEMOLITION NOTES:

- D-1 REMOVE AND DISPOSE OF EXISTING PUMPS, VALVES, FITTINGS, PIPING AND ASSOCIATED APPURTENANCES. PUMP REMOVALS SHALL BE PHASED WITH NEW PUMP INSTALLATIONS SO THAT WATER SUPPLY TO THE WET LAB IS NEVER DISRUPTED.
- D-2 REMOVE EXISTING PUMP HOUSE BUILDING STRUCTURE.
- D-3 REMOVE EXISTING METAL STAIRS.
- D-4 REMOVE EXISTING PIER STRUCTURE.
- D-5 REMOVE EXISTING PILINGS. REMOVE EXISTING PILING CONCRETE FOOTING IF ENCOUNTERED, TYP.
- D-6 REMOVE EXISTING CONCRETE INTAKE SCREEN CHAMBER AND ASSOCIATED APPURTENANCES.
- D-7 LIMIT OF PIPE REMOVAL.
- D-8 DISCONNECT AND REMOVE ALL ELECTRICAL SERVICES BACK TO THE RESPECTIVE SOURCES LOCATED IN THE OLD PUMP HOUSE. SEE DRAWING E201 FOR DEMOLITION SINGLE LINE DIAGRAM AND NOTES.
- D-9 REMOVE EXISTING METAL PIPE HANDRAIL FROM TOP OF OLD PUMP HOUSE.
- D-10 REMOVE EXISTING SECURITY FENCE AND GATE FROM TOP OF PIER.
- D-11 INSTALL TURBIDITY CURTAIN PRIOR TO THE START OF ANY WORK. SEE DETAIL 6, DRAWING SK-20



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DEMOLITION PLAN

Seawater Pumps Replacement

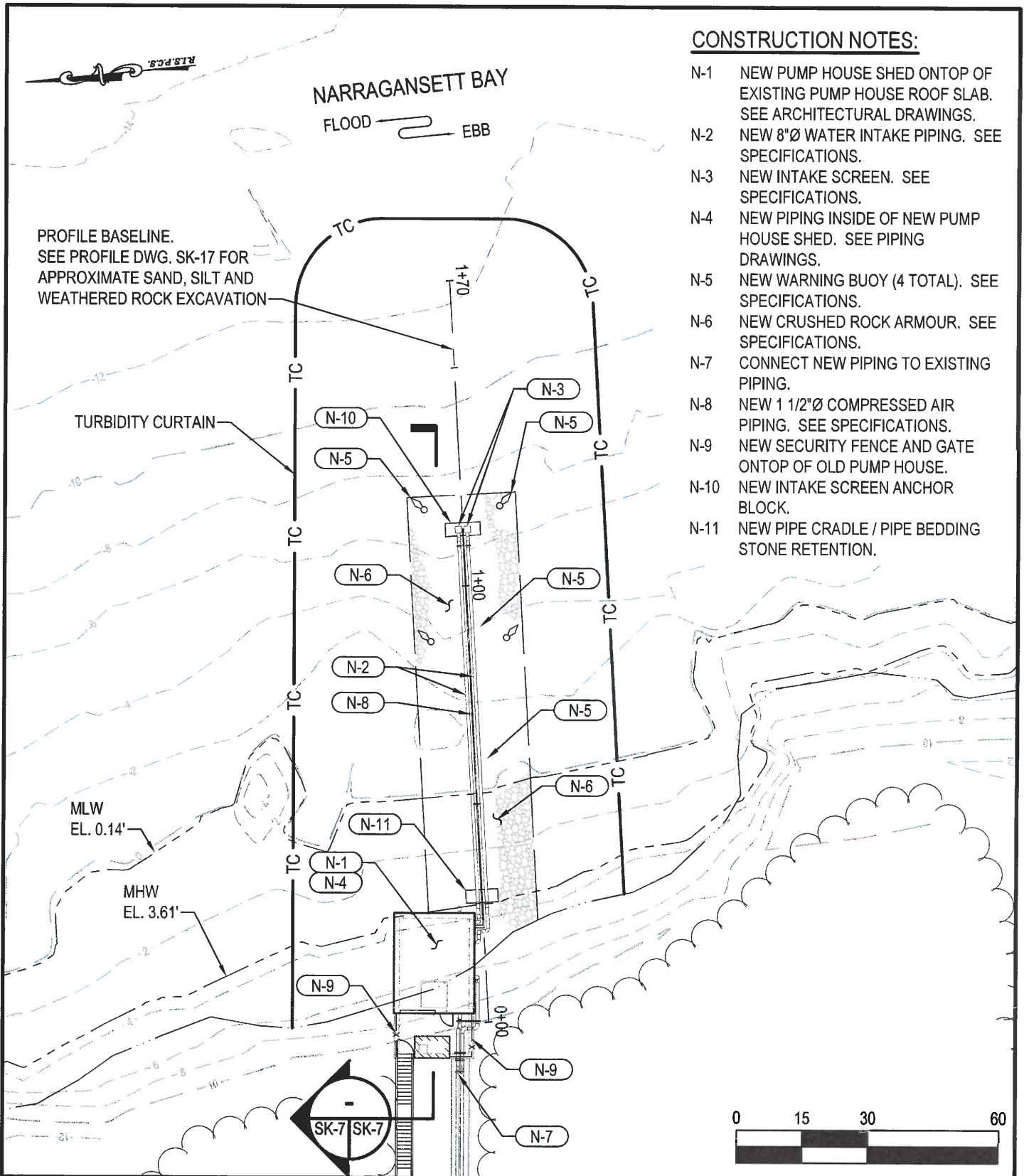
U.S. EPA - Narragansett Atlantic Ecology Division
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DATE:
9/27/17

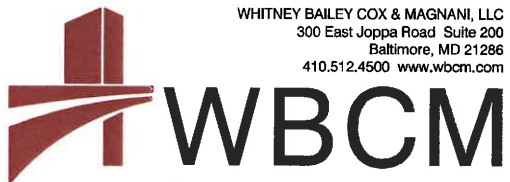
SCALE:
1" = 30'

SK-5

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LAYOUT PLAN

Seawater Pumps Replacement

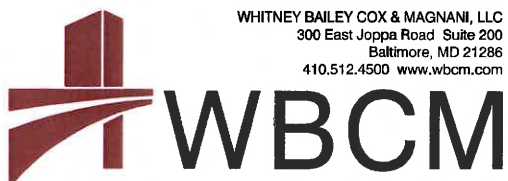
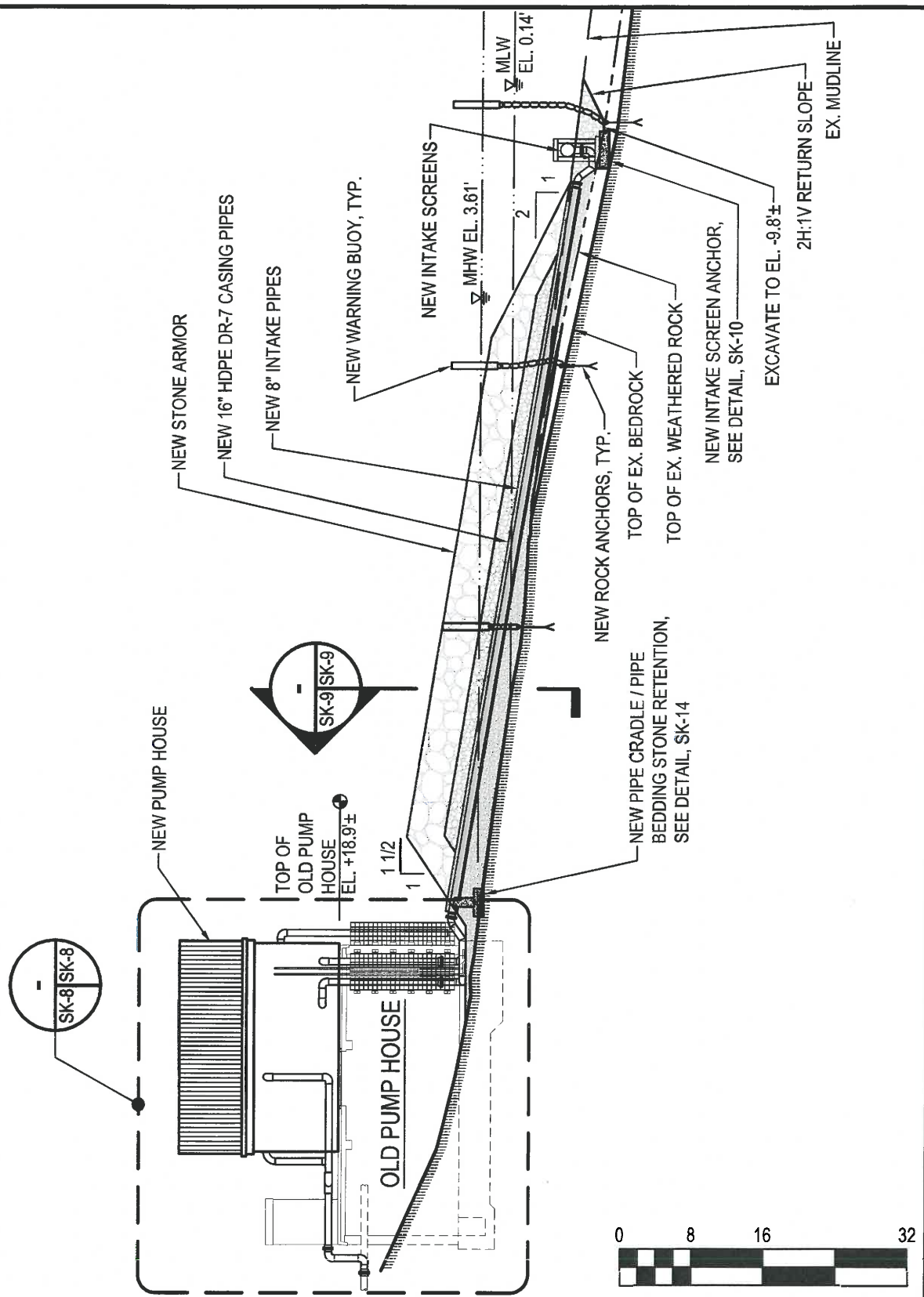
U.S. EPA - Narragansett Atlantic Ecology Division
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DATE:
9/27/17

SCALE:
1" = 30'

SK-6

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SECTION

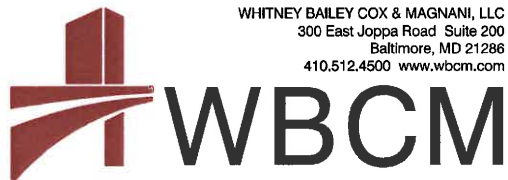
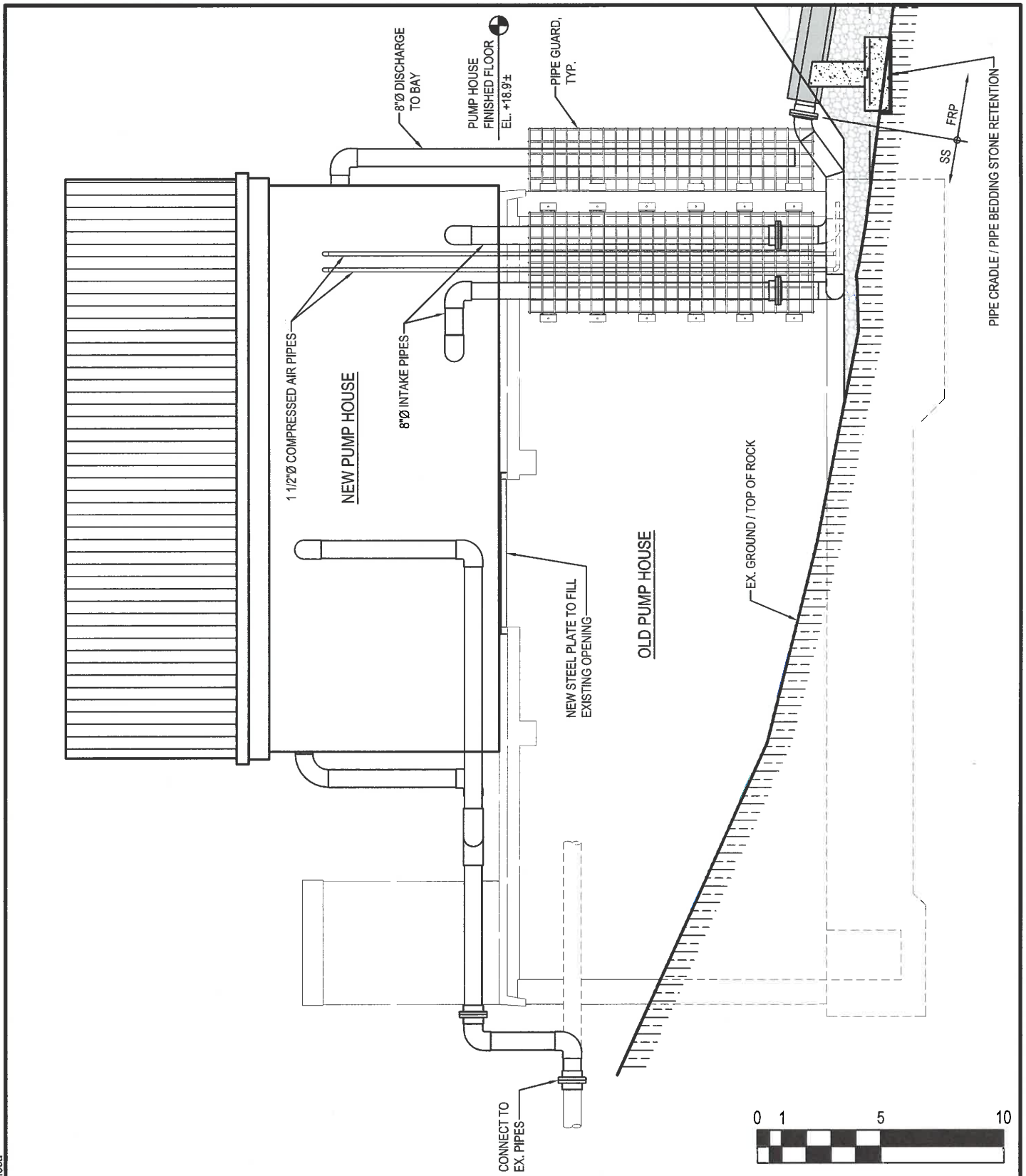
Seawater Pumps Replacement

U.S. EPA - Narragansett Atlantic Ecology Division
27 Tarzwell Drive
Narragansett, Rhode Island, 02882

DATE:
9/27/17

SCALE:
1/16" = 1'-0"

SK-7



SECTION

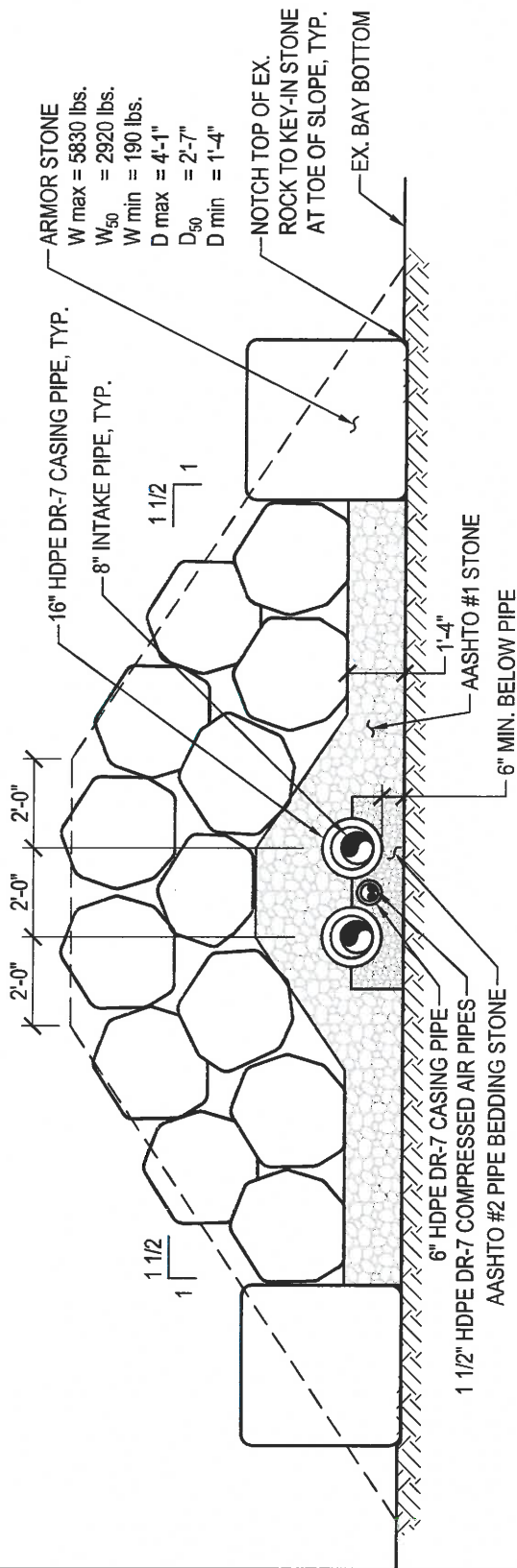
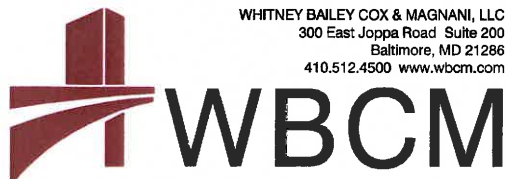
Seawater Pumps Replacement

U.S. EPA - Narragansett Atlantic Ecology Division
27 Tarzwell Drive
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DATE:
9/27/17

SCALE:
3/16" = 1'-0"

SK-8



SECTION

Seawater Pumps Replacement

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DATE:
9/27/17

SCALE:
1/4" = 1'-0"

SK-9



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SCREEN ANCHOR BLOCK DETAIL

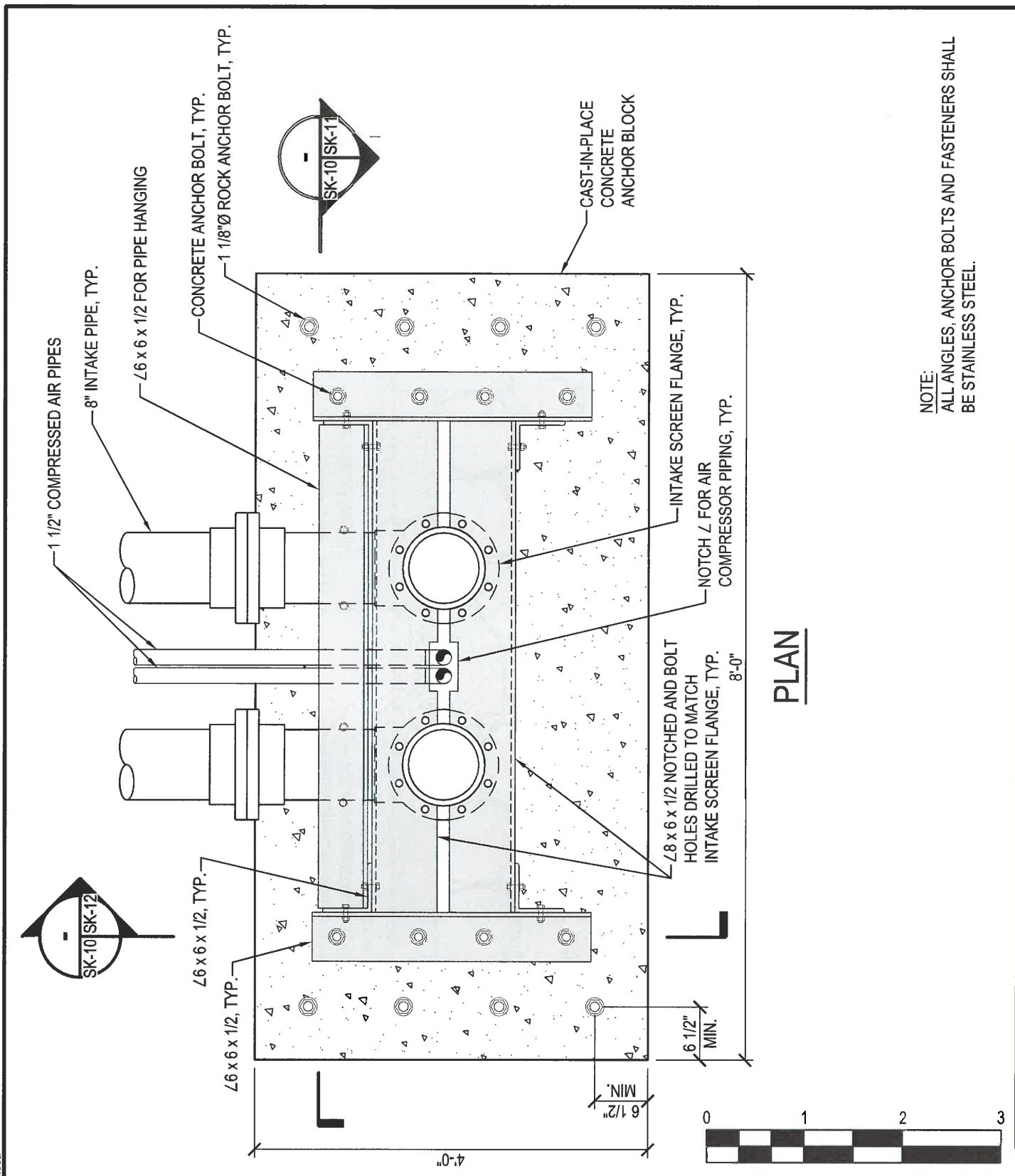
Seawater Pumps Replacement

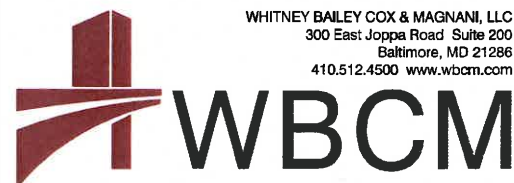
U.S. EPA - Narragansett Atlantic Ecology Division
27 Tarzwell Drive
Narragansett, Rhode Island, 02882

DATE:
9/27/17

SCALE:
3/4" = 1'-0"

SK-10





SCREEN ANCHOR BLOCK DETAIL

Seawater Pumps Replacement

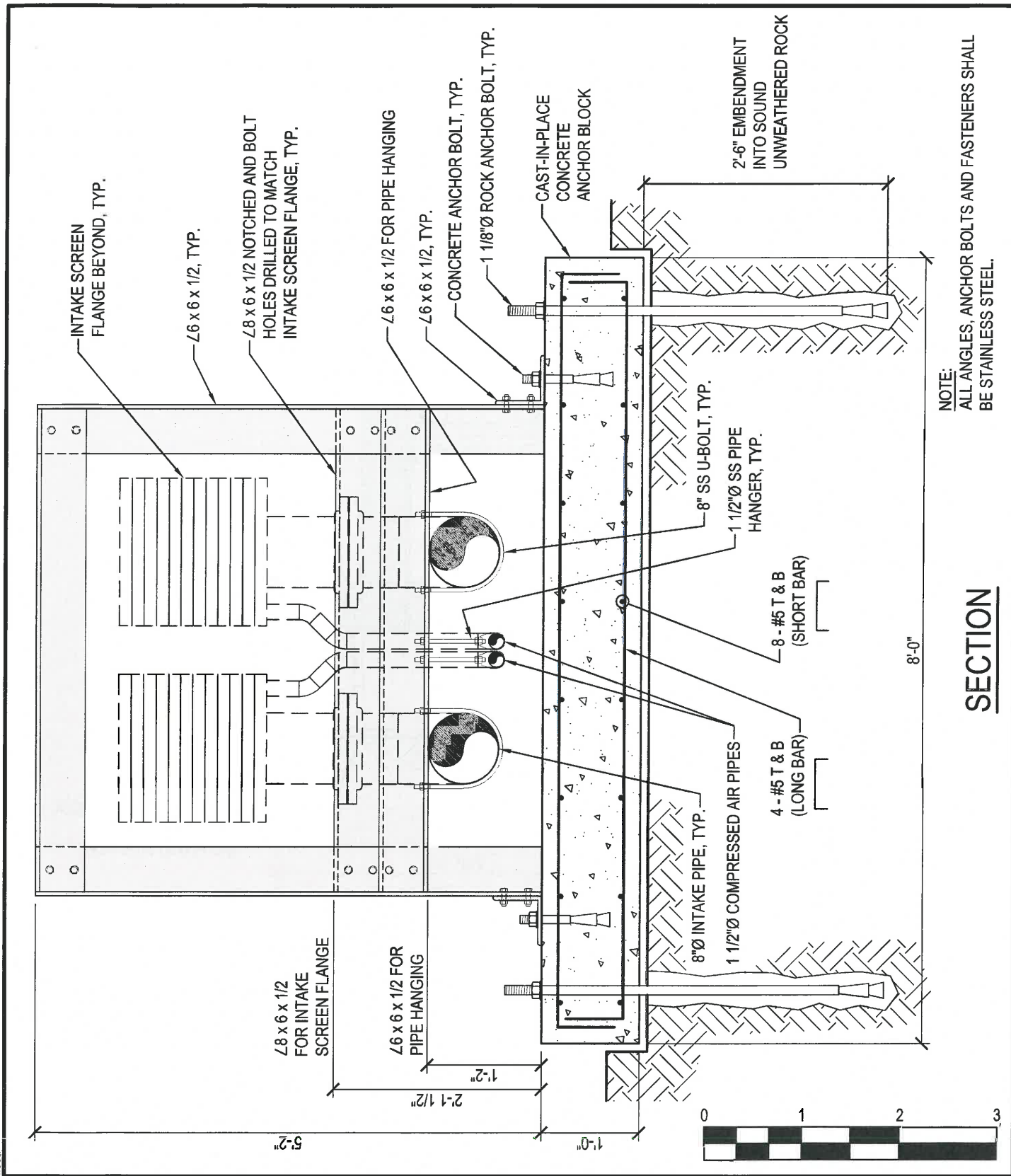
U.S. EPA - Narragansett Atlantic Ecology Division
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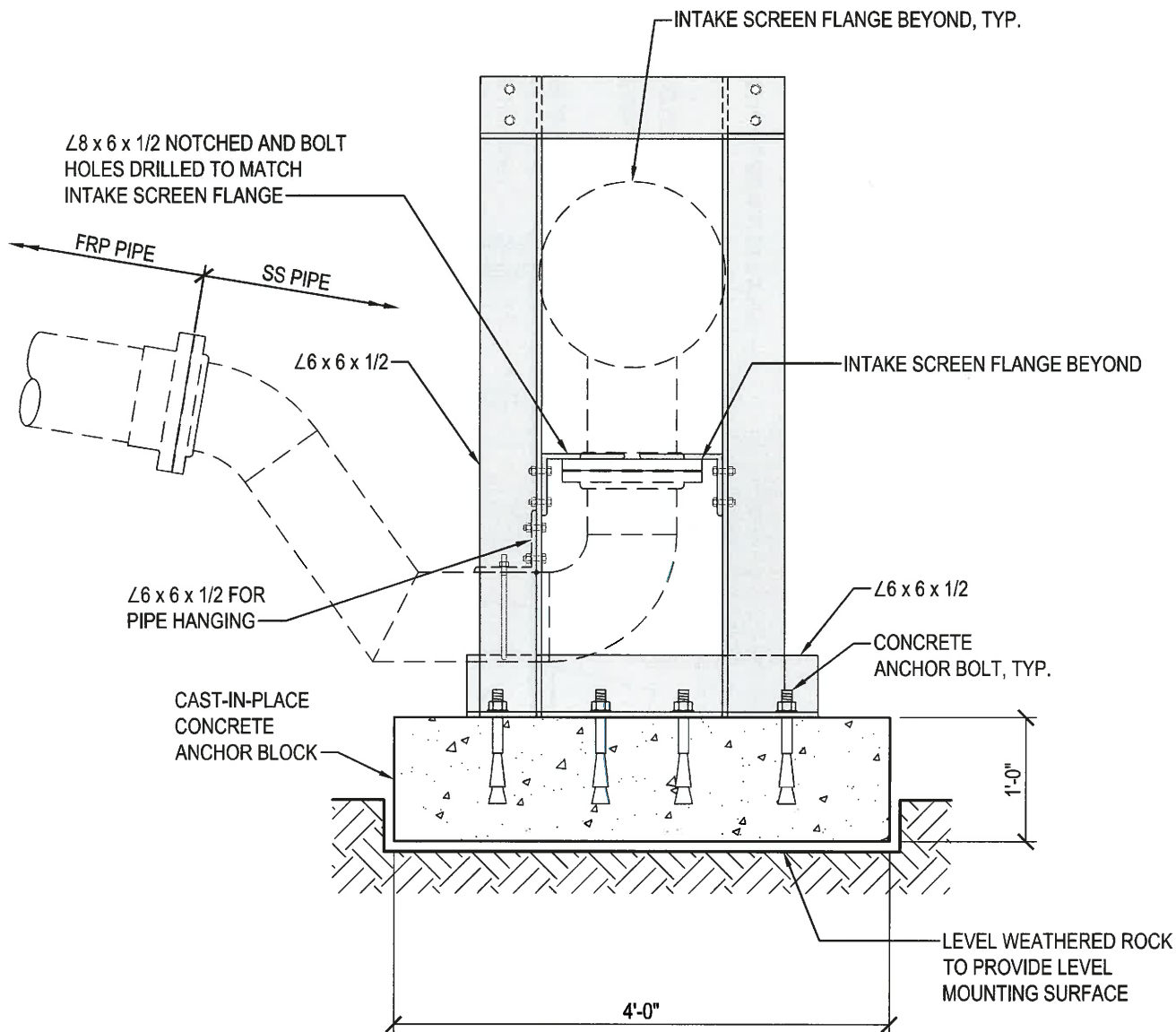
DATE:
9/27/17

SCALE:
3/4" = 1'-0"

SK-11

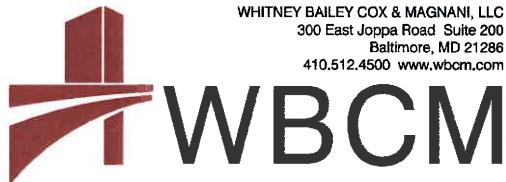
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NOTE:

ALL ANGLES, ANCHOR BOLTS AND FASTENERS SHALL BE STAINLESS STEEL.



SCREEN ANCHOR BLOCK DETAIL

Seawater Pumps Replacement

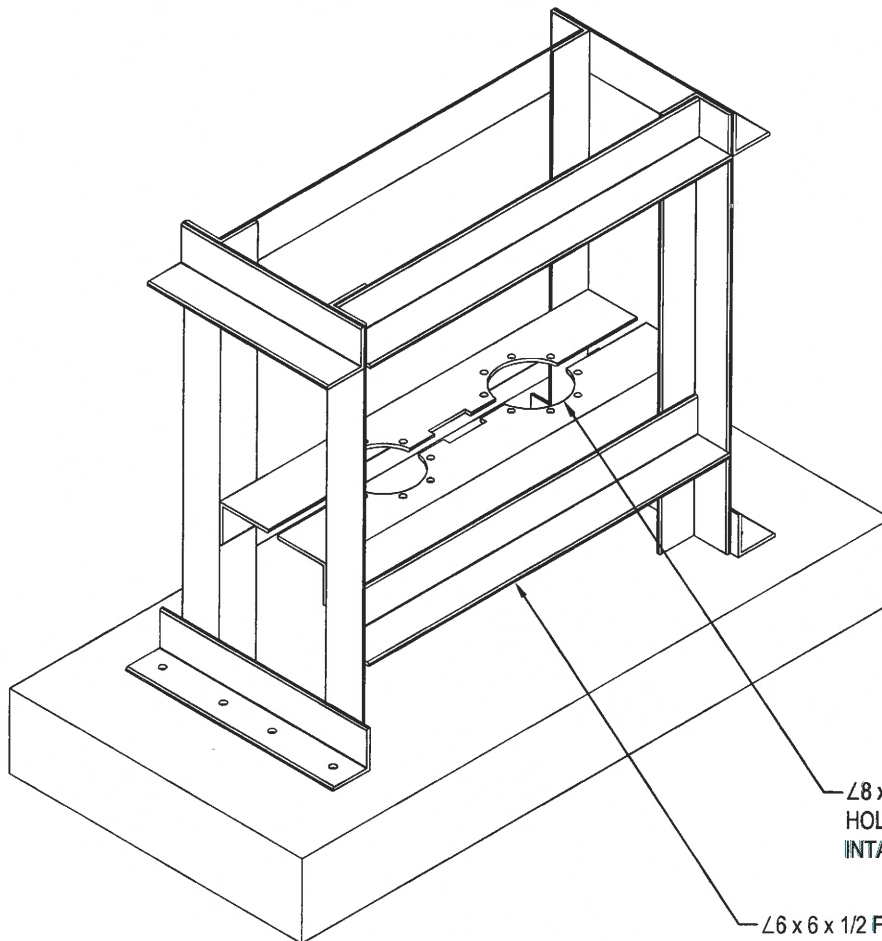
U.S. EPA - Narragansett Atlantic Ecology Division
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DATE:
9/27/17

SCALE:
3/4" = 1'-0"

SK-12

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— L8 x 6 x 1/2 NOTCHED AND BOLT
HOLES DRILLED TO MATCH
INTAKE SCREEN FLANGE, TYP.

— L6 x 6 x 1/2 FOR PIPE HANGING

ISOMETRIC

NOTE:
ALL ANGLES, ANCHOR BOLTS AND FASTENERS SHALL
BE STAINLESS STEEL.

SCREEN ANCHOR BLOCK DETAIL

Seawater Pumps Replacement

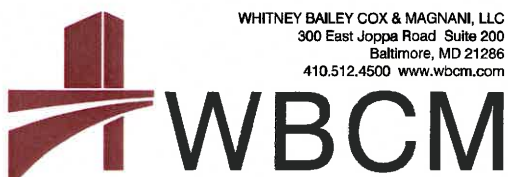
U.S. EPA - Narragansett Atlantic Ecology Division
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DATE:
9/27/17

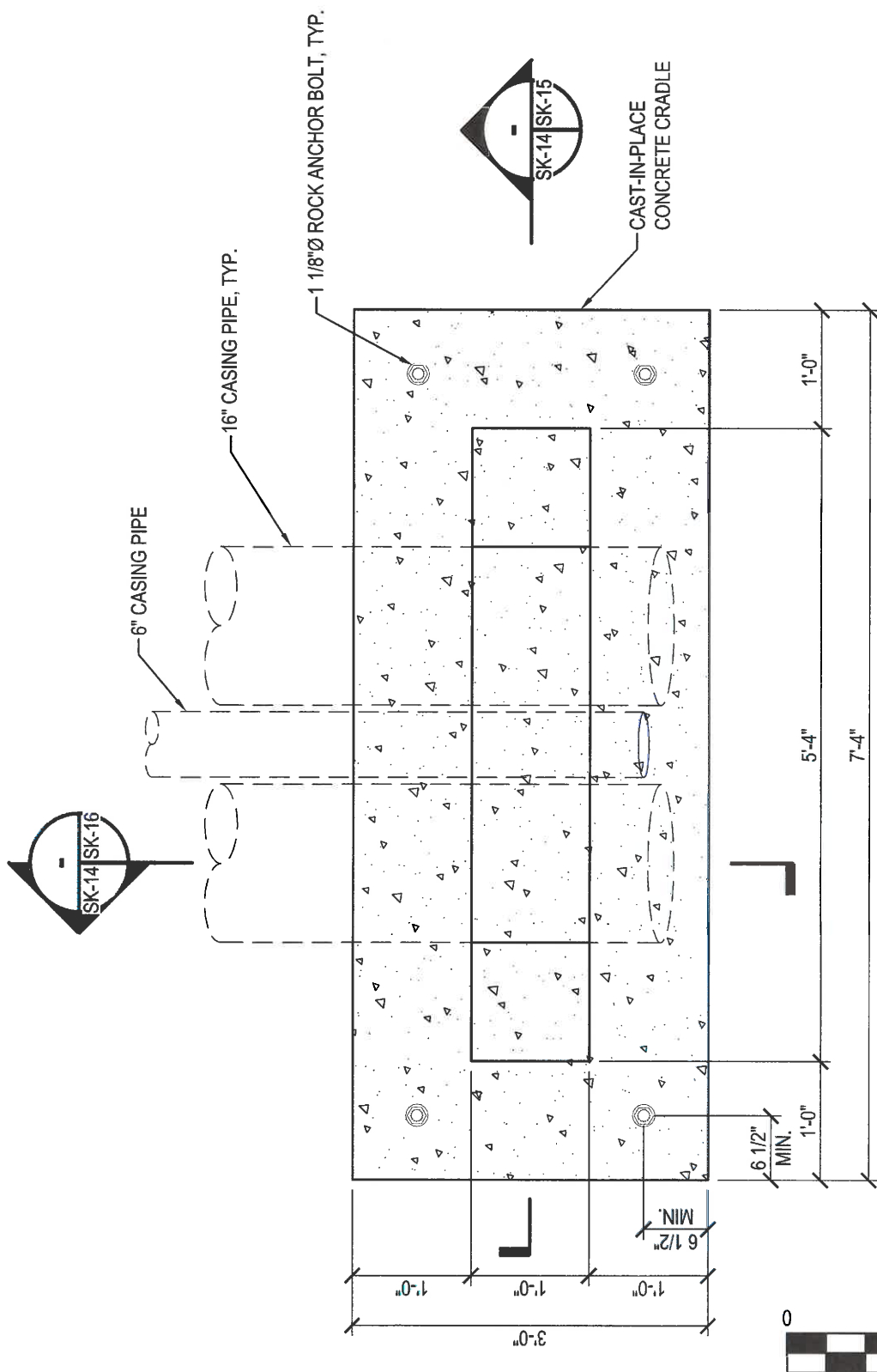
SCALE:
NOT TO SCALE

SK-13

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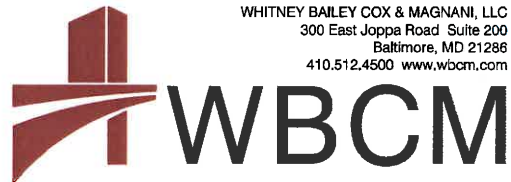


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PLAN

NOTE:
STAINLESS STEEL SHALL BE USED FOR ALL
ANCHOR BOLTS, FASTENERS AND WASHERS.



PIPE CRADLE / PIPE BEDDING
STONE RETENTION DETAIL

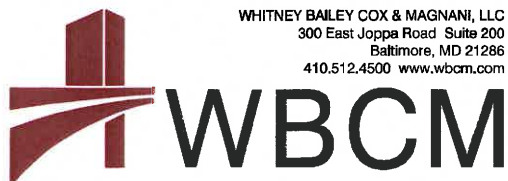
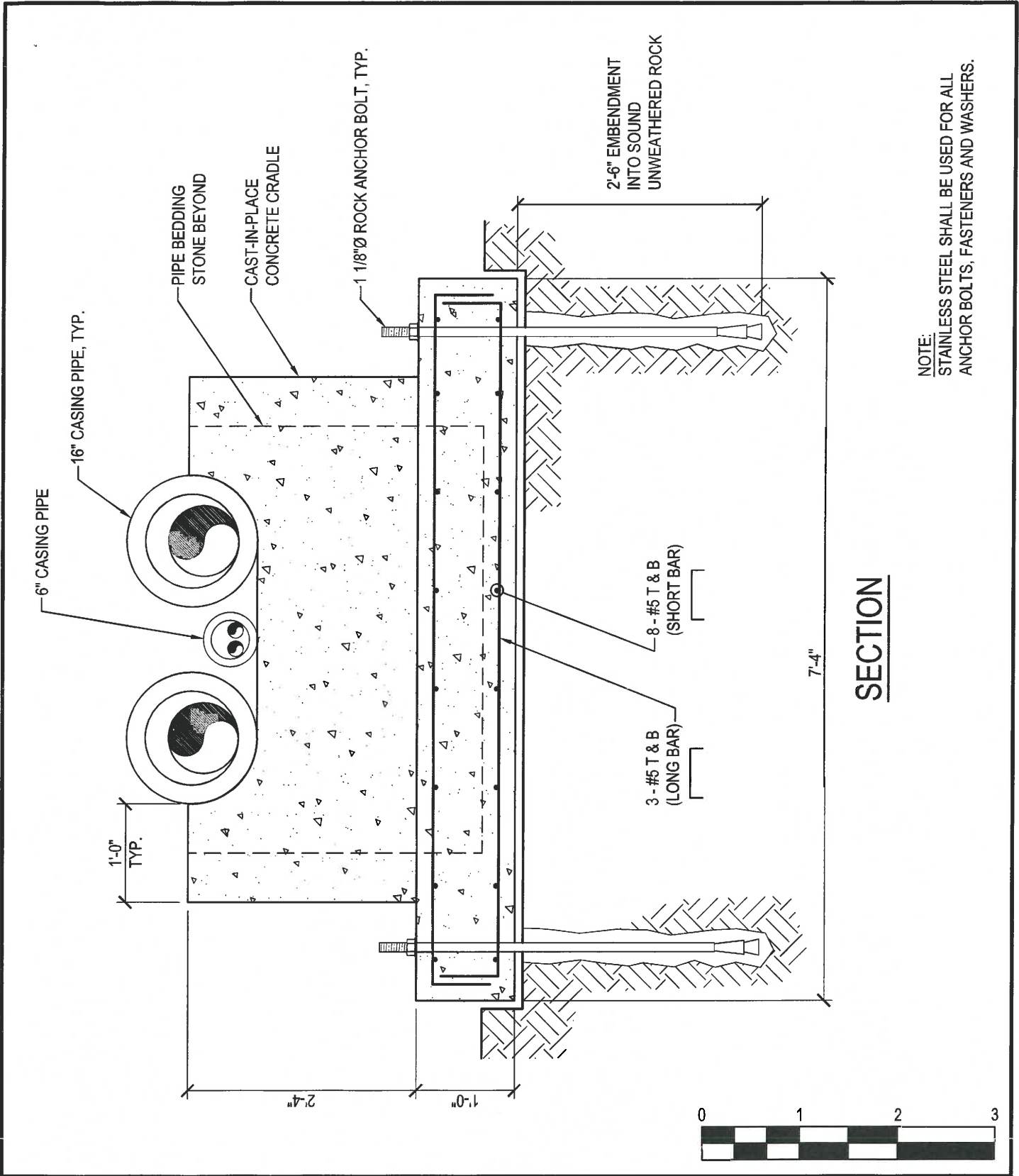
Seawater Pumps Replacement

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Narragansett, Rhode Island, 02882

DATE:
9/27/17

SCALE:
3/4" = 1'-0"

SK-14



PIPE CRADLE / PIPE BEDDING
STONE RETENTION DETAIL

Seawater Pumps Replacement

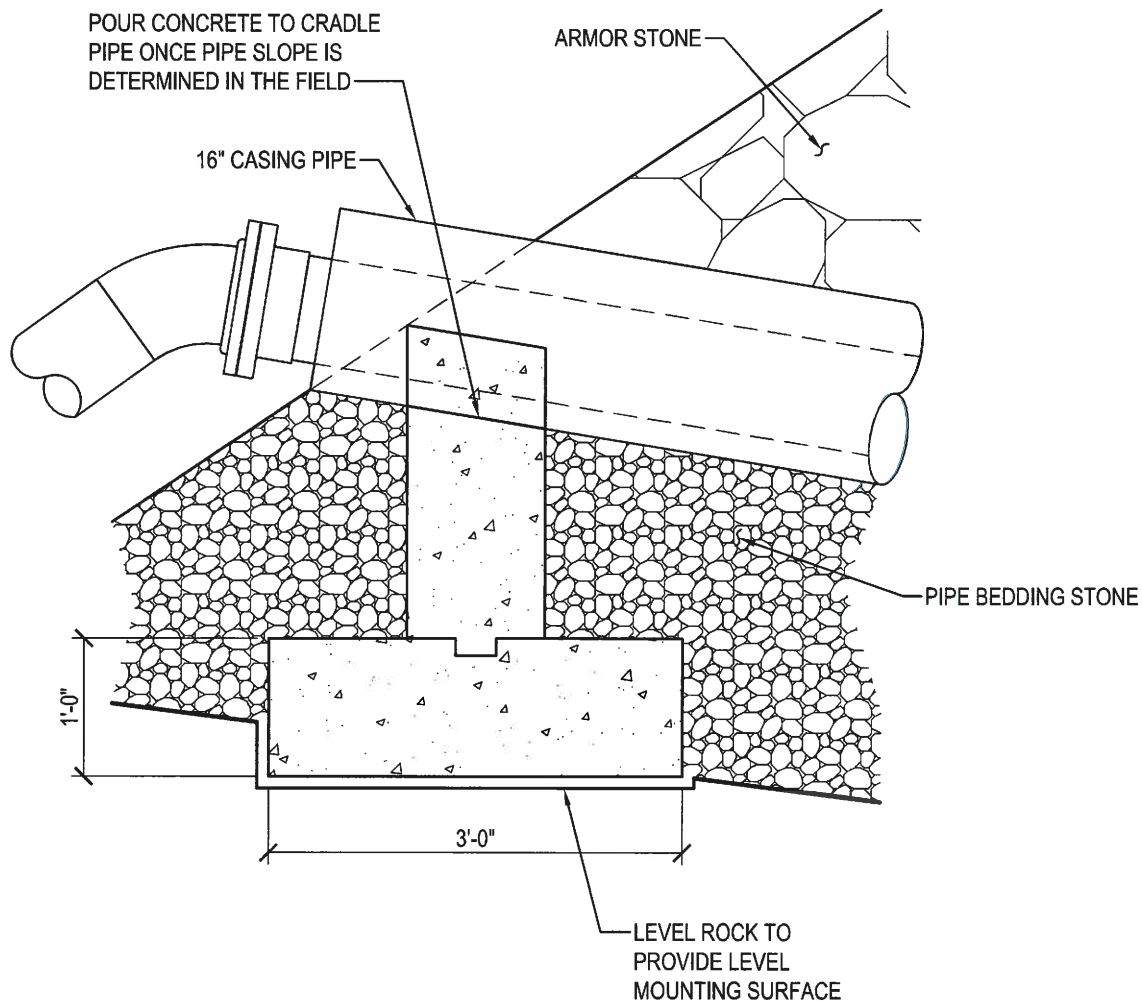
U.S. EPA - Narragansett Atlantic Ecology Division
27 Tarzwell Drive
Narragansett, Rhode Island, 02882

DATE:
9/27/17

SCALE:
3/4" = 1'-0"

SK-15

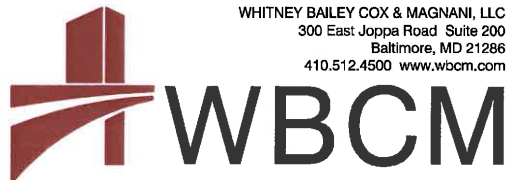
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SECTION



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SCREEN ANCHOR BLOCK DETAIL

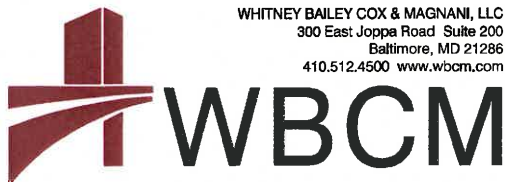
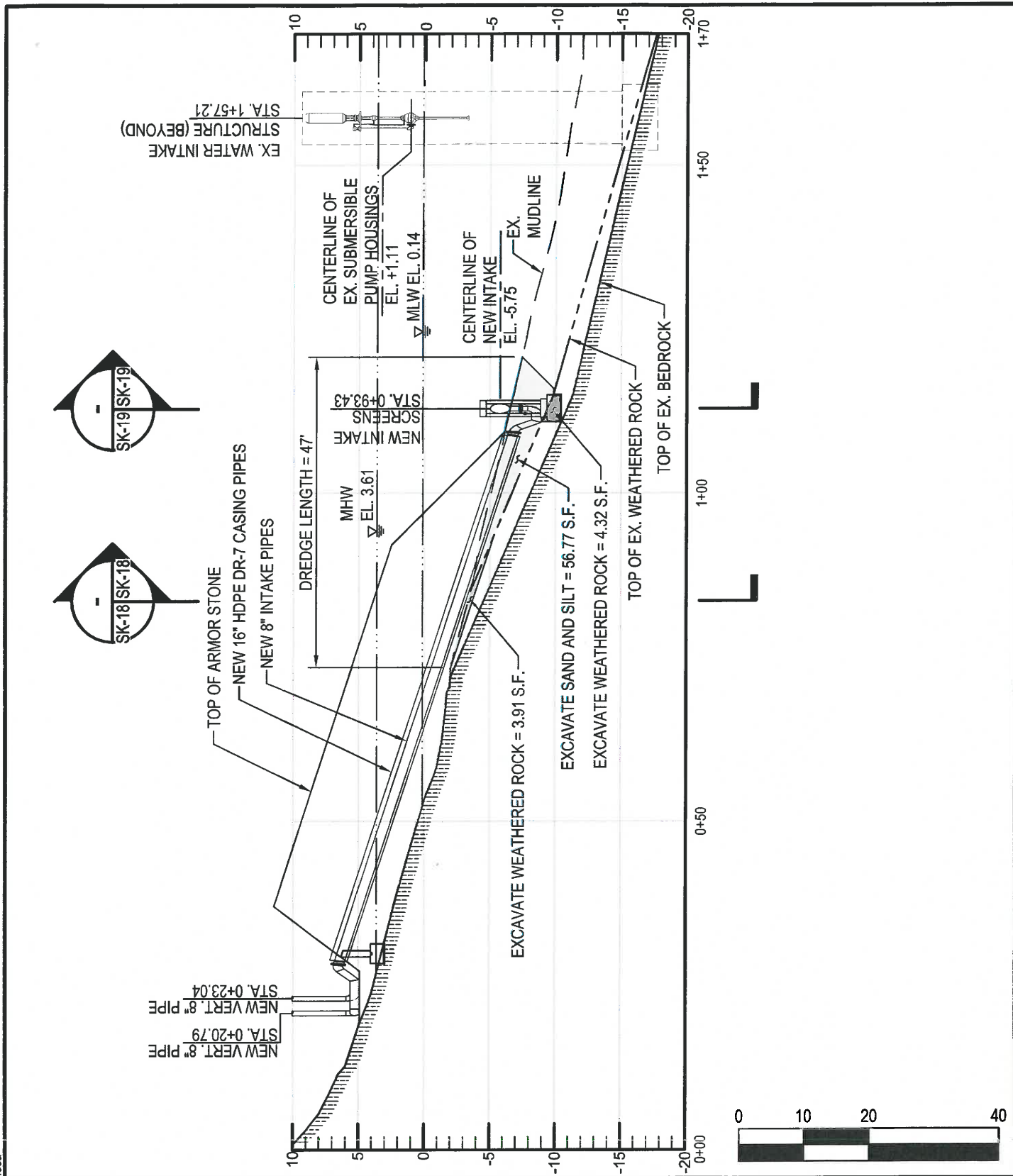
Seawater Pumps Replacement

U.S. EPA - Narragansett Atlantic Ecology Division
27 Tarzwell Drive
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DATE:
9/27/17

SCALE:
3/4" = 1'-0"

SK-16



DREDGING PROFILE

Seawater Pumps Replacement

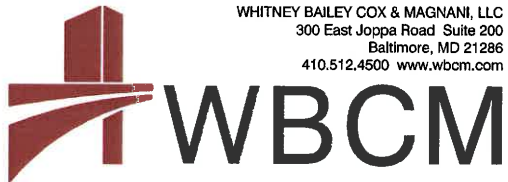
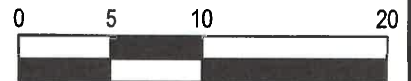
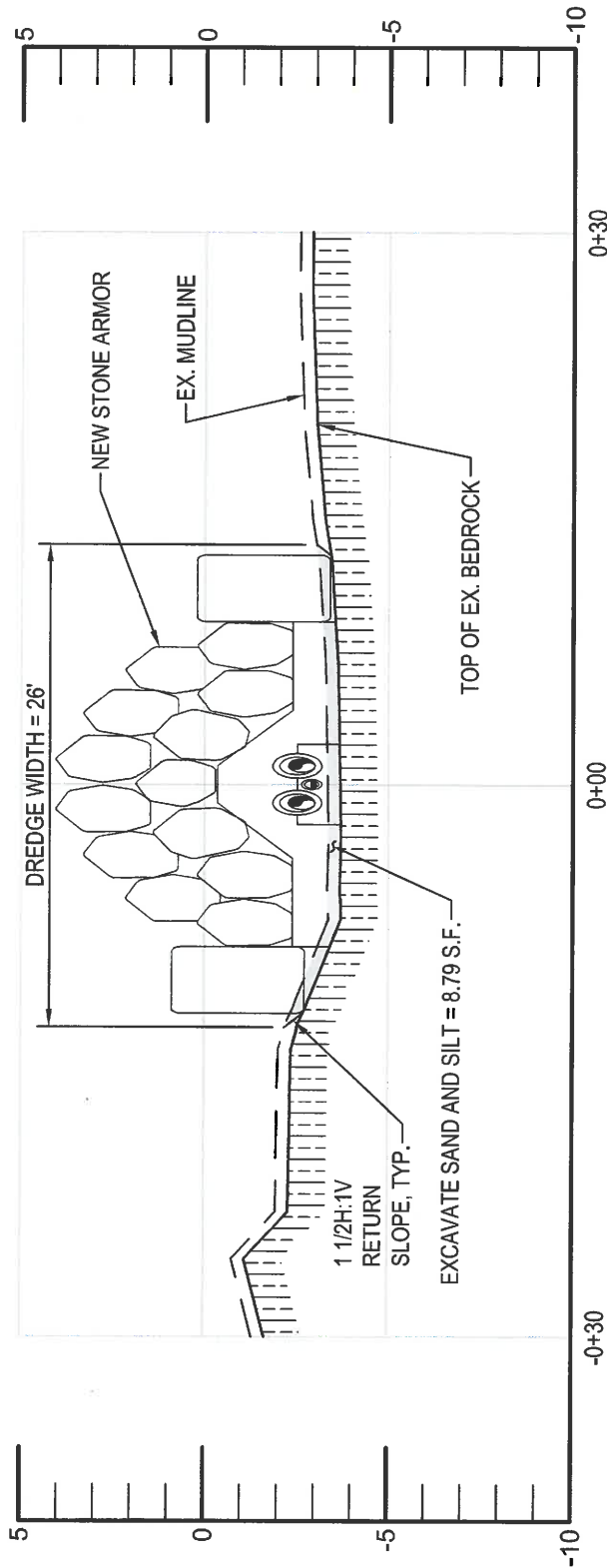
U.S. EPA - Narragansett Atlantic Ecology Division
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DATE:
9/27/17

SCALE:
1"=20'H, 1"=10'V

SK-17

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DREDGING SECTION

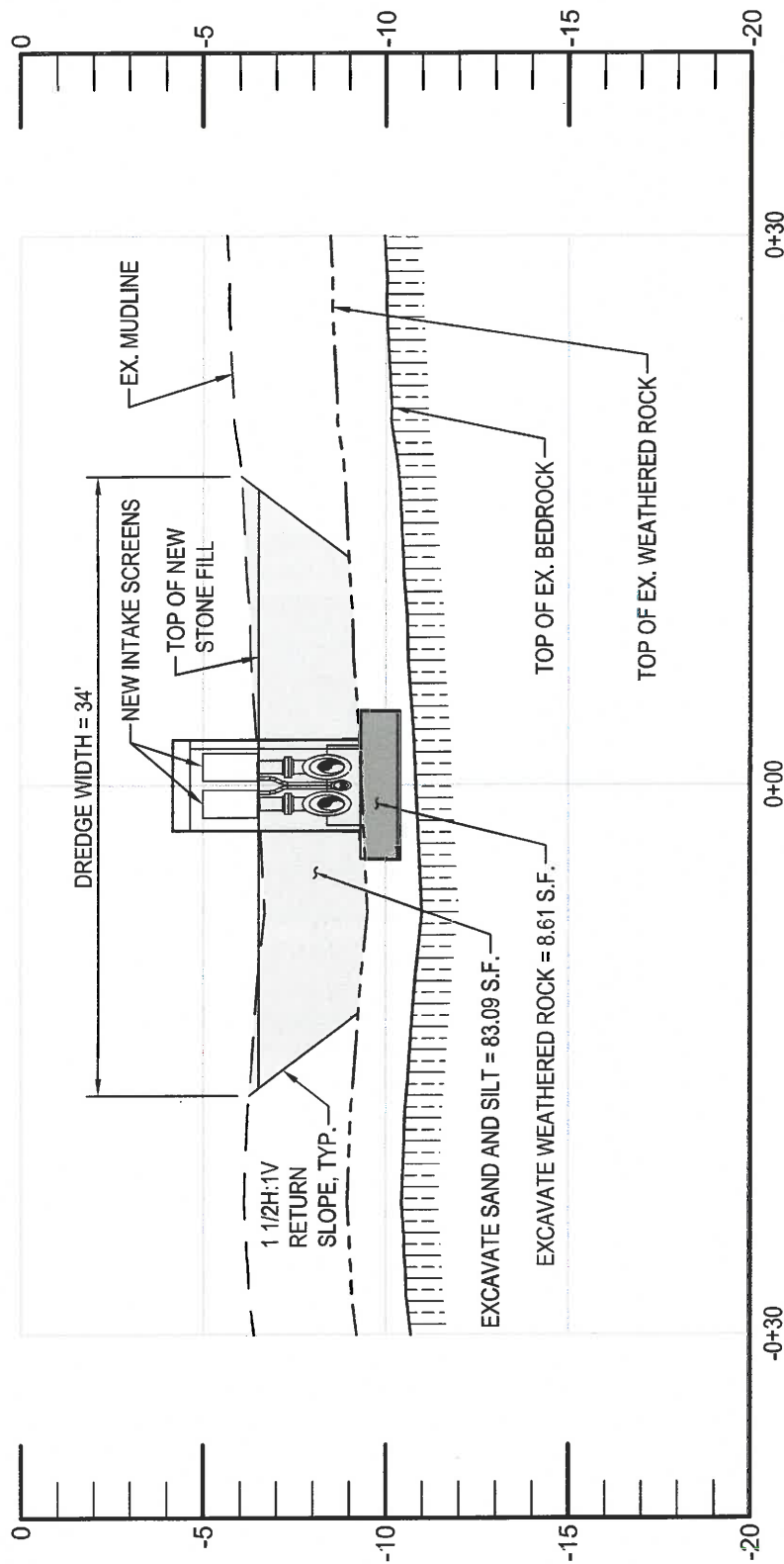
Seawater Pumps Replacement

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DATE:
9/27/17

SCALE:
1"=10'H, 1"=5'V

SK-18



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DREDGING SECTION

Seawater Pumps Replacement

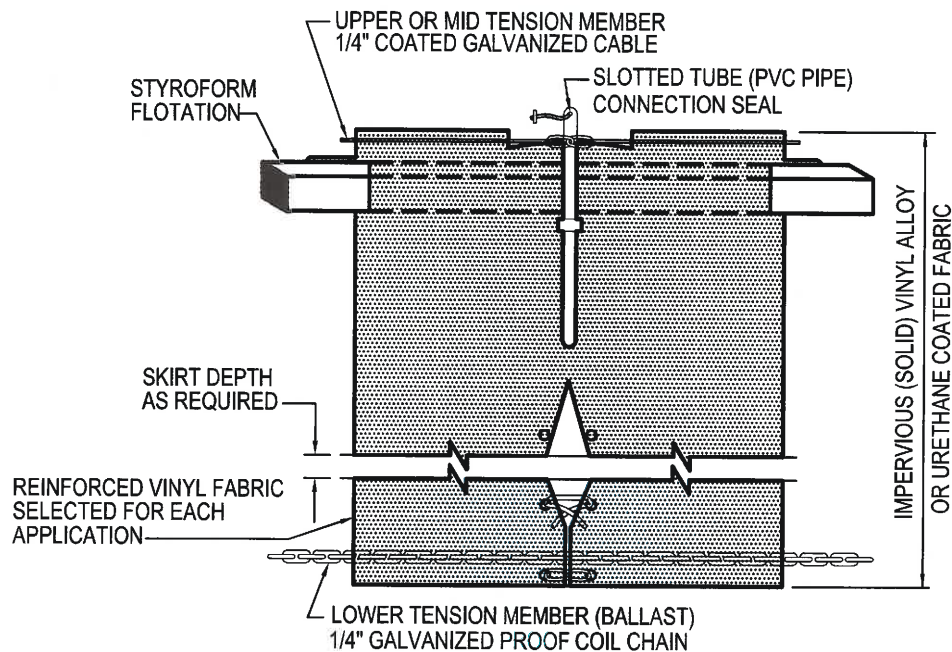
U.S. EPA - Narragansett Atlantic Ecology Division
27 Tarzwell Drive
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DATE:
9/27/17

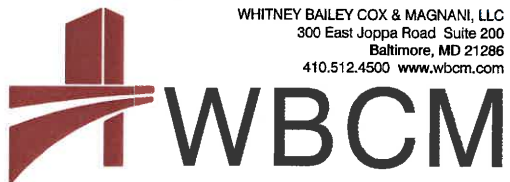
SCALE:
1"=10'H, 1"=5'V

SK-19

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TURBIDITY CURTAIN DETAIL

Seawater Pumps Replacement

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Narragansett, Rhode Island, 02882

DATE:
9/27/17

SCALE:
NOT TO SCALE

SK-20

IMPACTS SUMMARY

WATER COVERAGE AREAS

- EXISTING PIER, PILINGS AND WATER INTAKE STRUCTURE TO BE REMOVED = 1,122 S.F.
- PROPOSED STONE ARMOR PIPE PROTECTION = 2,328 S.F.

TOTAL INCREASE = 1,206 S.F.

WATER FILL VOLUMES

- EXISTING PILINGS AND WATER INTAKE STRUCTURE TO BE REMOVED = 41 C.Y.
- PROPOSED STONE ARMOR PIPE PROTECTION = 292 C.Y.

TOTAL INCREASE = 251 C.Y.

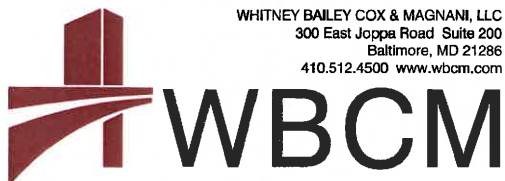
DREDGING

- PROPOSED DREDGED MATERIAL = 65 C.Y.

* ALL CALCULATIONS ARE TO MHW EL. 3.61'.

DISPOSAL AND DEWATERING NOTE:

DREDGED MATERIAL WILL BE REMOVED VIA MECHANICAL DREDGING. DUE TO SPACE CONSTRAINTS AND A LACK OF ROAD ACCESS, DREDGED MATERIAL WILL BE STORED ON A BARGE AND DEWATERED USING PORTABLE SETTLING TANKS. AFTER DEWATERING IS COMPLETE, THE DEWATERED, DREDGED MATERIAL WILL BE OFFLOADED ONTO TRUCKS AND TRANSPORTED TO THE RHODE ISLAND CENTRAL LANDFILL LOCATED AT 65 SHUN PIKE, JOHNSON, RI FOR DISPOSAL.



IMPACTS SUMMARY

Seawater Pumps Replacement

U.S. EPA - Narragansett Atlantic Ecology Division
27 Tarzwell Drive
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DATE:
9/27/17

SCALE:
N/A

SK-21