State of Rhode Island
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: 2026-07-065 Date: October 28, 2026

This office has under consideration the application of:

Sprague Operating Resources, LLC.
c/o Timothy Winters
185 International Drive
Portsmouth, NH 03801

for a State of Rhode Island Assent to construct and maintain:

an approximately 540ft long structural shoreline protection facility to replace existing eroded riprap revetment and timber bulkhead. Additionally, a new stormwater management and outfall is proposed.

Project Location:	144 Allens Avenue
City/Town:	Providence
Plat/Lot:	Plat 46, lot 160
Waterway:	Providence River

Plans of the proposed work can be requested at Cstaff1@crmc.ri.gov.

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

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 **November 28, 2026**.

Please email your comments/hearing requests to: cstaff1@crmc.ri.gov; or mail via USPS to: Coastal Resources Management Council; O. S. Government Center, 4808 Tower Hill Road, Rm 116; Wakefield, RI 02879.

/lat

SPRAGUE TERMINAL - SHORELINE IMPROVEMENTS

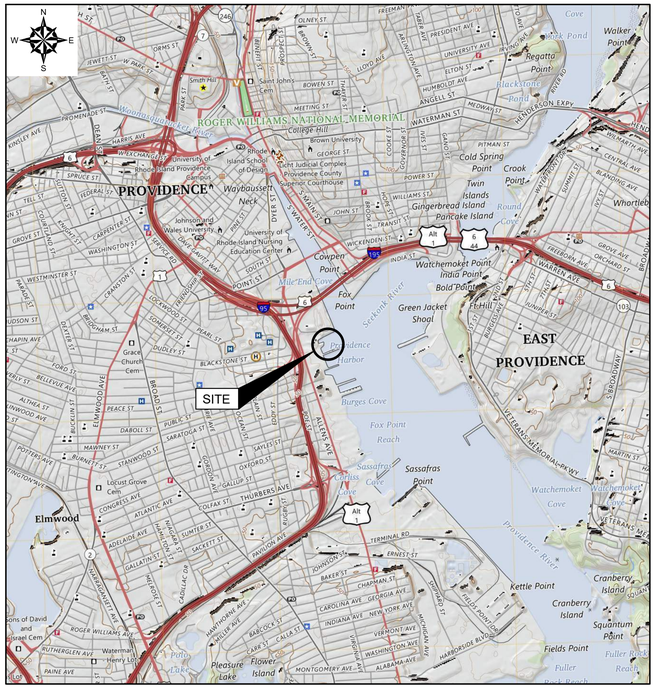
144 ALLENS AVENUE

PROVIDENCE, RHODE ISLAND

PERMIT SET

JULY 2026

FIGURE LIST TABLE	
SHEET #	SHEET TITLE
1	COVER - INDEX OF DRAWINGS
2	GENERAL NOTES
3	EXISTING CONDITIONS SITE PLAN
4	TEMPORARY CONTROLS PLAN
5	PROPOSED STORMWATER SYSTEM PLAN
6	PROPOSED CONDITIONS REVETMENT PLAN
7	PROPOSED CONDITIONS SECTIONS (1 OF 2)
8	PROPOSED CONDITIONS SECTIONS (2 OF 2)
9	TEMPORARY CONTROLS DETAILS



PROJECT LOCUS MAP

0 1000' 2000' 4000' 6000'

SCALE IN FEET 1" = 2000'

SOURCE: USGSSTORE.GOV

BASE MAP FROM THE FOLLOWING USGS QUADRANGLE MAP:
RI PROVIDENCE, 0815 (2024) &
RI EAST PROVIDENCE, 0815 (2024)

DIGITAL TOPOGRAPHIC MAPS PROVIDED BY USGSSTORE.GOV.

CONTOUR ELEVATIONS REFERENCE NAVD 88,
CONTOURS ARE SHOWN IN FEET AT 10 FOOT INTERVALS



PROJECT VICINITY MAP

0 1000' 2000' 4000' 6000'

SCALE IN FEET 1" = 2000'

AERIAL IMAGERY FROM RHODE ISLAND'S RIGIS AERIAL IMAGERY TAKEN WINTER OF 2024.



RHODE ISLAND

QUADRANGLE LOCATION

PREPARED FOR:

SPRAGUE OPERATING RESOURCES, LLC
185 INTERNATIONAL DRIVE
PORTSMOUTH, NH 03801

PREPARED BY:

GZA GeoEnvironmental, Inc.
www.gza.com

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APPROVED:

MATTHEW J. PAGE
No. 9448
REGISTERED PROFESSIONAL ENGINEER
CIVIL
7/17/26

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RECEIVED
7/17/2026
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GENERAL NOTES:

1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN IS APPROXIMATE AND HAS NOT BEEN VERIFIED. THE DRAWINGS MAKE NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THE DRAWINGS DO NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED. D/B CONTRACTOR SHALL PERFORM SURVEY TO VERIFY / LOCATE UTILITIES PRIOR TO START OF CONSTRUCTION.
2. PRE-MARK WORK AREA AND CALL DIG SAFE® (811 OR 888-344-723) TO NOTIFY MEMBER UTILITIES. PRIOR TO NOTIFYING DIG SAFE®, THE EXCAVATIONS MUST BE PRE-MARKED WITH WHITE PAINT. HAVE THE SITE MARKED AND DIG SAFE® NOTIFIED AT LEAST FIVE DAYS (EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS) PRIOR TO ANY EXCAVATION OR DEMOLITION. THE CONTRACTOR SHALL COORDINATE ALL UTILITY WORK WITH THE APPROPRIATE UTILITY COMPANY REPRESENTATIVES.
3. CHECK AND VERIFY LOCATIONS AND ELEVATIONS OF ALL UTILITIES, BOTH UNDERGROUND AND OVERHEAD, BEFORE BEGINNING WORK. CONTRACTOR SHALL TAKE APPROPRIATE PRECAUTIONS TO PROTECT ALL UNDERGROUND UTILITIES DURING EXCAVATION AT THE SITE.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, ELEVATIONS AND DIMENSIONS IN THE FIELD BEFORE ORDERING ANY MATERIAL, COMMENCING ANY FABRICATION OR PERFORMING ANY WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, IN WRITING, OF ANY CONDITIONS, ELEVATIONS OR DIMENSIONS THAT VARY FROM THOSE SHOWN ON THE DRAWINGS PRIOR TO THE START OF CONSTRUCTION.
5. EXERCISE ALL NECESSARY CARE TO PREVENT ANY DAMAGE TO UTILITIES, EXISTING STRUCTURES OR NEW STRUCTURES. IF CONTRACTOR DAMAGES UTILITIES, EXISTING STRUCTURES OR NEW STRUCTURES, CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER AND ENGINEER. CONTRACTOR SHALL RESTORE THE DAMAGES TO THEIR PRE-CONSTRUCTION CONDITIONS IN ACCORDANCE WITH CONTRACT DOCUMENTS AT NO ADDITIONAL COST TO OWNER.
6. PROVIDE ALL MATERIALS, EQUIPMENT AND TOOLS NECESSARY TO COMPLETE THE WORK. THE OWNER WILL NOT PROVIDE SECURITY AND ASSUMES NO RESPONSIBILITY OR LIABILITY FOR ANY MATERIALS, EQUIPMENT OR TOOLS STORED AT ITS PROPERTY.
7. ALL TYPES OF WASTE GENERATED AT THE SITE SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH FEDERAL, STATE AND LOCAL REGULATIONS AND CONTRACT DOCUMENTS.
8. THE CONTRACTOR SHALL NOTIFY THE OWNER WHEN UNANTICIPATED OR APPARENTLY DANGEROUS CONDITIONS ARE UNCOVERED DURING CONSTRUCTION OR DEMOLITION.
9. CONTRACTOR STAGING AREAS SHALL BE WITHIN LIMITS OF WORK AS DELINEATED ON THE PLANS. THE CONTRACTOR SHALL USE THESE AREAS AND THESE AREAS ONLY FOR ON-SITE PARKING, OFFICE TRAILERS (IF NECESSARY), EQUIPMENT AND MATERIAL STORAGE, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY SIGNAGE, FENCING, SAFETY, SEDIMENT/EROSION CONTROL, IMPROVEMENTS, RESTORATIONS, ETC. IN THESE AREAS. AREAS WITHIN THE LIMITS OF THE WORK MAY BE USED FOR TEMPORARY STORAGE, HAUL ROADS, PARKING ETC.; HOWEVER, NO ADDITIONAL CONSIDERATIONS OR PAYMENT WILL BE MADE FOR WORK NECESSARY TO RE-GRADE AND RESTORE SUCH AREAS TO PRE-CONSTRUCTION CONDITIONS OR RELOCATE ANY MATERIALS OR EQUIPMENT TEMPORARILY STORED WITHIN THE LIMITS OF THE WORK. IF THE CONTRACTOR REQUIRES AND IDENTIFIES ADDITIONAL STAGING AREAS ON THE OWNER'S PROPERTY, THE CONTRACTOR SHALL MAKE A WRITTEN REQUEST TO THE OWNER AND ENGINEER DESCRIBING THE NEED AND LOCATION OF THE PROPOSED AREA. NO GUARANTEE IS MADE THAT ADDITIONAL STAGING AREAS WILL BE MADE AVAILABLE.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURES AND SEQUENCE ERECTION TO ENSURE THE SAFETY OF THE FACILITIES AND THEIR COMPONENTS DURING DEMOLITION AND ERECTION. THIS MAY INCLUDE THE ADDITION OF NECESSARY SHORING AND TEMPORARY BRACING.
11. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS, EQUIPMENT, TRAINING, CERTIFICATES AND PROTECTIVE MEASURES, AS SPECIFIED AND REQUIRED TO COMPLY WITH CONTRACTOR'S OBLIGATIONS UNDER THIS CONTRACT FOR SAFETY AND PROTECTION OF PERSONNEL AND PROPERTY.
12. CONTRACTOR SHALL AT ALL TIMES BE SOLELY RESPONSIBLE FOR EXERCISING REASONABLE PRECAUTION TO PROTECT THE HEALTH, SAFETY AND WELFARE OF ALL ON-SITE PERSONNEL, THE PUBLIC AND THE ENVIRONMENT DURING PERFORMANCE OF THE WORK DESCRIBED WITHIN THE CONTRACT DOCUMENTS. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF FEDERAL, STATE AND LOCAL HEALTH AND SAFETY AND OCCUPATIONAL HEALTH AND SAFETY STATUTES AND CODES.
13. SOIL BORINGS AND OTHER EXPLORATORY OPERATIONS MAY BE MADE BY CONTRACTOR, AT NO ADDITIONAL COST TO OWNER. COORDINATE CONTRACTOR-PERFORMED TEST BORINGS AND OTHER EXPLORATORY OPERATIONS WITH THE OWNER, UTILITY OWNERS AND OTHERS AS APPROPRIATE. PERFORM SUCH EXPLORATIONS WITHOUT DISRUPTING OR OTHERWISE ADVERSELY AFFECTING OPERATIONS OF OWNER, UTILITY OWNERS OR OTHERS. COMPLY WITH LAWS AND REGULATIONS RELATIVE TO REQUIRED NOTIFICATIONS.

EROSION AND SEDIMENTATION CONTROL

1. TEMPORARY CONTROL OF EROSION AND SEDIMENT DISCHARGE IS REQUIRED THROUGHOUT THE DURATION OF THE PROJECT AND UNTIL PROPOSED STABILIZATION IS ACHIEVED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE AREAS WITHIN THE LIMITS OF WORK AND BEYOND FROM SEDIMENT AND/OR POLLUTANTS ORIGINATING FROM ANY WORK DONE ON OR IN SUPPORT OF THE PROJECT, INCLUDING SEDIMENT DUE TO EROSION FROM STORMWATER RUNOFF.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES NECESSARY TO EXECUTE AND COMPLETE THE WORK OF THE CONTRACT, IN COMPLIANCE WITH THE TERMS AND CONDITIONS CONTAINED IN THE CONTRACT, PROJECT PERMITS AND ALL STATE AND LOCAL ORDINANCES THAT APPLY. CONTROLS SHOWN ON THE CONTRACT DRAWINGS SHALL BE CONSIDERED MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL EMPLOY WHATEVER SUPPLEMENTARY MEASURES NECESSARY TO PROTECT WATER, AND ADJACENT AREAS FROM DISTURBANCE OR DISCHARGE OF SEDIMENTS.
3. ALL NECESSARY PRECAUTIONS SHALL BE TAKEN TO PREVENT MIGRATION INTO WATER BY SILT, SEDIMENT, FUELS, SOLVENTS, LUBRICANTS, CONCRETE, OR ANY OTHER POLLUTANTS ASSOCIATED WITH CONSTRUCTION PROCEDURES.
4. ACTUAL LOCATION OF EROSION CONTROLS AND BEST MANAGEMENT PRACTICES (BMP) MAY VARY DUE TO FIELD CHANGES, ONGOING CONSTRUCTION, ACCESS NEEDS, WEATHER, ETC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING THESE CHANGES AND ADJUSTING EROSION CONTROLS AND BMP LOCATIONS ACCORDINGLY. IN PARTICULAR, THE CONTRACTOR SHALL COORDINATE THE INSTALLATION AND RELOCATION OF BMPS WITH PROJECT PHASING, AS NECESSARY.
5. ALL EROSION CONTROLS AND BMPS SHALL REMAIN IN PLACE, EXCEPT AS OTHERWISE NECESSARY, UNTIL CONSTRUCTION IS COMPLETED AND PROPOSED STABILIZATION IS ACHIEVED. ALL CONTROLS AND BMPS SHALL BE SUBJECT TO INSPECTION BY THE OWNER AND THEIR REPRESENTATIVE AT ANYTIME THEREAFTER.
6. ADDITIONAL EROSION CONTROL BARRIERS SHALL BE INSTALLED AT THE DIRECTION OF THE ENGINEER TO MINIMIZE THE THREAT OF ADVERSE IMPACT DURING THE CONSTRUCTION PROCESS. AN ADEQUATE SUPPLY OF REPLACEMENT EROSION CONTROL BARRIERS WILL BE AVAILABLE ON-SITE FOR EMERGENCY PURPOSES.
7. PERIODIC INSPECTION, MAINTENANCE, AND CLEANING OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AND BMPS ARE REQUIRED. ALL CONTROLS AND BMPS SHALL BE INSPECTED EVERY 7 DAYS AND WITHIN 24 HOURS OF RAINFALL EVENTS OF 0.5 INCHES OR GREATER. ROUTINE INSPECTION AND MAINTENANCE WILL REDUCE THE CHANCE OF POLLUTING STORMWATER BY FINDING AND CORRECTING PROBLEMS BEFORE THE NEXT RAIN EVENT. THE CONTRACTOR WILL BE REQUIRED TO KEEP A WRITTEN, UPDATED SITE MAINTENANCE LOG DOCUMENTING INSPECTION AND MAINTENANCE ACTIVITY.
8. CONTRACTOR SHALL PROVIDE AND MAINTAIN TURBIDITY CURTAINS AND IS RESPONSIBLE FOR DETERMINING LAYOUT AND INSTALLATION PROCEDURES IN ACCORDANCE WITH CONTRACT DOCUMENTS.
9. TURBIDITY CURTAINS SHALL BE INSTALLED TO SURROUND THE LIMIT OF WORK, AS NEEDED, INCLUDING BUT NOT LIMITED TO DEMOLITION AND REVETMENT CONSTRUCTION.
10. WORK PLATFORM TO BE DESIGNED BY CONTRACTOR. PLATFORM TO CONSIST OF A BARGE, CRANE MATS, OR STONE. SHOWN FOR INFORMATIONAL PURPOSES ONLY. EXTENTS APPROXIMATE. PLATFORM MATERIALS TO BE REMOVED AT COMPLETION OF PROJECT.
11. STOCKPILE SIDE SLOPES SHALL BE NO STEEPER THAN 3 (HORIZONTAL) TO 1 (VERTICAL). STOCKPILE SHALL BE SURROUNDED BY EROSION CONTROLS AS SHOWN.

REFERENCE NOTES:

EXISTING CONDITIONS PLAN BASE MAP DEVELOPED FROM THE FOLLOWING:

1. BASE MAP DEVELOPED FROM AN ELECTRONIC DRAWING FILE TITLED "22245 - OUT OF OFFICE 6-12-2025.DWG," PREPARED BY BERRY, HUFF, MCDONALD, MILLIGAN INC., AND TRANSMITTED TO GZA ON 6-13-2025. SUPPLEMENTAL TOPOGRAPHIC SURVEY DATA OF THE SHORELINE WAS COLLECTED BY GZA ON JULY 8, 2025 AND IS INCLUDED HEREIN. SUPPLEMENTAL LIDAR TOPOGRAPHIC DATA FROM 2022 IS INCLUDED HEREIN.
2. PROPERTY BOUNDARY INFORMATION OBTAINED FROM THE PROVIDENCE RHODE ISLAND GEOGRAPHIC INFORMATION SYSTEM DATABASE. PROPERTY BOUNDARY DEVELOPED FROM HARD COPY OF DRAWING TITLED "PLOT PLAN" (DRAWING NUMBER 61-10), ORIGINAL SCALE 1"=20', PREPARED BY SEABOARD CONSTRUCTION COMPANY, DATED MARCH, 1961.
3. AERIAL IMAGERY FROM NEARMAP AERIAL IMAGERY TAKEN 4/9/2024.
4. LIMITS OF EXISTING RIPRAP ARE APPROXIMATED BASED ON THE DRAWING FILE REFERENCED IN NOTE 1 AND GZA'S VISUAL OBSERVATIONS ON JULY 8, 2025. LIMITS OF EXISTING RIPRAP WERE NOT SURVEYED BY GZA.

SURVEY AND PROJECT DATUM:

1. ALL ELEVATIONS SHOWN ON PLANS ARE IN U.S. FEET AND REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
2. COORDINATES ARE BASED ON NORTH AMERICAN DATUM OF 1983 (NAD83), RHODE ISLAND STATE PLANE. EASTERN ZONE, U.S. FEET (RI83-EF).
3. CONTRACTOR SHALL MAINTAIN ADEQUATE SURVEY CONTROL AT ALL TIMES TO ESTABLISH AND MAINTAIN ALL LINES AND ELEVATIONS.

TIDAL ELEVATIONS

MLW	NAVD 88	
+4.66		MHHW = +2.37
+4.41		MHW = +2.12
+2.29		NAVD 88 = 0.00
0.00		MLW = -2.29
-0.18		MLLW = -2.47

NOTE:

TIDAL ELEVATIONS ARE REFERENCED TO NOAA STATION #8454000, PROVIDENCE, RI.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINDING, VERIFYING, AND RE-SETTING (IF NECESSARY) CONTROL POINTS AND BENCHMARKS FOR THE WORK OF THE CONTRACT OR OTHERWISE ESTABLISHING THEIR OWN.

WATER CONTROL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURFACE AND GROUNDWATER CONTROL DURING THE WORK OF THE CONTRACT. TEMPORARY WATER CONTROL MEASURES SHALL BE, AT MINIMUM, AS REQUIRED BY THE PROJECT PLANS, SPECIFICATIONS, AND PERMIT CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL MEASURES NECESSARY FOR WATER CONTROL NECESSARY TO EXECUTE THE WORK OF THE CONTRACT "IN THE DRY". WATER CONTROL MEASURES ARE SUBJECT TO SPECIFIC LIMITS AND CONDITIONS AS MAY BE SHOWN ON THE PLANS.
2. TEMPORARY WATER CONTROL BY THE CONTRACTOR SHALL BE PERFORMED AS SPECIFIED IN THE CONTRACT DOCUMENTS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY WATER CONTROL, SURFACE WATER AND GROUNDWATER CONTROL, NECESSARY TO EXECUTE AND COMPLETE THE WORK OF THE CONTRACT SUBJECT TO THE RESTRICTIONS CONTAINED IN THE CONTRACT AND PROJECT PERMITS. CONTROLS SHOWN IN THE CONTRACT DRAWINGS SHALL BE CONSIDERED MINIMUM REQUIREMENTS. THE CONTRACTOR SHALL EMPLOY WHATEVER SUPPLEMENTARY MEASURES NECESSARY TO PROTECT THE SITE AND THE WORK.
4. ALL TEMPORARY WATER CONTROL MEASURES SHALL BE IMPLEMENTED IN CONJUNCTION WITH APPROPRIATE SEDIMENT AND EROSION CONTROL MEASURES SO AS TO MINIMIZE TO THE GREATEST EXTENT POSSIBLE RELEASE OF SEDIMENT INTO WATER BODIES AND POTENTIAL EROSION OF SOIL.
5. ANY TEMPORARY PUMPS USED AT THE SITE MUST BE PROPERLY BAFFLED AGAINST EXCESSIVE NOISE. PUMPS OR GENERATORS WHICH USE LIQUID FUEL MUST BE PLACED WITHIN AN IMPERMEABLE SECONDARY CONTAINMENT AREA WITH SUFFICIENT CAPACITY TO CONTAIN THE FULL VOLUME OF THE FUEL TANK.
6. WATER PUMPED FROM THE EXCAVATIONS MUST BE PASSED THROUGH A PUMPED WATER FILTER BAG OR OTHER SUCH BEST MANAGEMENT PRACTICE FEATURE PRIOR TO BEING DISCHARGED BACK TO A WATER BODY. DISCHARGE WATER SHALL MEET APPROPRIATE WATER QUALITY STANDARDS.
7. PUMPED WATER DISCHARGE AREAS MUST BE PROPERLY PROTECTED TO PREVENT EROSION BY HIGH VELOCITY FLOW.

UTILITIES LEGEND:

- EXISTING DRAINAGE MANHOLE
- EXISTING DRAIN PUMP
- PROPOSED PUMP
- PROPOSED ABOVE GROUND PIPE
- PROPOSED BURIED PIPE
- FH — PROPOSED FIRE HOSE
- EXISTING ABOVE GROUND PIPE
- PROPOSED CATCH BASIN
- CV — PROPOSED CHECK VALVE
- GV — PROPOSED GATE VALVE
- PROPOSED MANHOLE WITH FLAT TOP GRATE

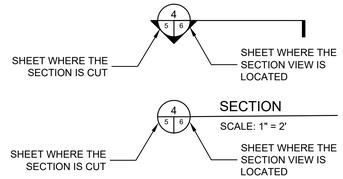
LEGEND

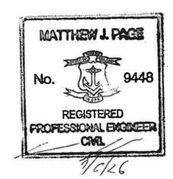
- PROPERTY LINE
- 10 — EXISTING CONTOUR (5 FOOT INTERVAL)
- 9 — EXISTING CONTOUR (1 FOOT INTERVAL)
- 0 — PROPOSED CONTOUR (1 FOOT INTERVAL)
- MEAN HIGH WATER (MHW)
- MEAN LOW WATER (MLW)
- HIGH TIDE LINE (HTL)
- EXISTING DETERIORATED TIMBER BULKHEAD
- EXISTING CHAIN LINK FENCE
- EXISTING GUARDRAIL
- EXISTING ASPHALT
- EXISTING RIP RAP (SEE REFERENCE NOTE 4)
- PROPOSED RIP RAP REVETMENT
- PROPOSED RIP RAP REVETMENT
- CRUSHED STONE CONSTRUCTION ENTRANCE
- LAYDOWN / STOCKPILE AREA
- WORK PLATFORM AREA
- FILTREXX SOXX
- LOW — LIMIT OF WORK
- TURBIDITY CURTAIN
- 4+00 5+00 — PROJECT STATIONING
- PROPOSED SLOPE DIRECTION

ABBREVIATIONS AND ACRONYMS

DIA.	DIAMETER
EL.	ELEVATION
HTL	HIGH TIDE LINE
HASP	HEALTH AND SAFETY PLAN
HDPE	HIGH-DENSITY POLYETHYLENE
INV.	INVERT
MHHW	MEAN HIGH, HIGH WATER
MHW	MEAN HIGH WATER
MIN.	MINIMUM
MLLW	MEAN LOW, LOW WATER
MLW	MEAN LOW WATER
NOAA	NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
OHW	OVERHEAD WIRES
STA.	STATION
TYP.	TYPICAL
N / F	NON OR FORMERLY

ANNOTATIONS AND LABELS





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NO.	ISSUE/DESCRIPTION	BY	DATE

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SPRAGUE TERMINAL - SHORELINE IMPROVEMENTS
144 ALLENS AVENUE
PROVIDENCE, RHODE ISLAND

GENERAL NOTES

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental, Inc. www.gza.com	SPRAGUE OPERATING RESOURCES, LLC 185 INTERNATIONAL DRIVE PORTSMOUTH, NH 03801		
PROJ MGR: KBN	REVIEWED BY: SD	CONSULT. REV: SD	FIGURE 2
DESIGNED BY: ETR	DRAWN BY: CPM	SCALE: AS NOTED	
DATE: JULY 2026	PROJECT NO. 03.35578.00	REVISION NO. 0	SHEET NO. 2 OF 9

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REFERENCE NOTES:

1. BASE MAP DEVELOPED FROM AN ELECTRONIC DRAWING FILE TITLED "22245 - OUT OF OFFICE 6-12-2025.DWG," PREPARED BY BERRY, HUFF, MCDONALD, MILLIGAN INC., AND TRANSMITTED TO GZA ON 6-13-2025. SUPPLEMENTAL TOPOGRAPHIC SURVEY DATA OF THE SHORELINE WAS COLLECTED BY GZA ON JULY 8, 2025 AND IS INCLUDED HEREIN. SUPPLEMENTAL LIDAR TOPOGRAPHIC DATA FROM 2022 IS INCLUDED HEREIN.
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LEGEND:

- PROPERTY LINE
- EXISTING CONTOUR (5 FOOT INTERVAL) (SEE REFERENCE NOTE 1)
- EXISTING CONTOUR (1 FOOT INTERVAL) (SEE REFERENCE NOTE 1)
- MEAN HIGH WATER (MHW)
- MEAN LOW WATER (MLW)
- HIGH TIDE LINE (HTL)
- EXISTING DETERIORATED TIMBER BULKHEAD
- EXISTING CHAIN LINK FENCE
- EXISTING GUARDRAIL
- EXISTING DRAIN PUMP
- EXISTING DRAINAGE MANHOLE
- EXISTING ASPHALT
- EXISTING RIP RAP (SEE REFERENCE NOTE 4)
- 4+00 5+00 PROJECT STATIONING

MATTHEW J. PAGE
No. 9448
REGISTERED PROFESSIONAL ENGINEER
CIVIL
7/17/26

0 20' 40' 80' 120'
SCALE IN FEET 1" = 40'

NO.	ISSUE/DESCRIPTION	BY	DATE

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SPRAGUE TERMINAL - SHORELINE IMPROVEMENTS
144 ALLENS AVENUE
PROVIDENCE, RHODE ISLAND

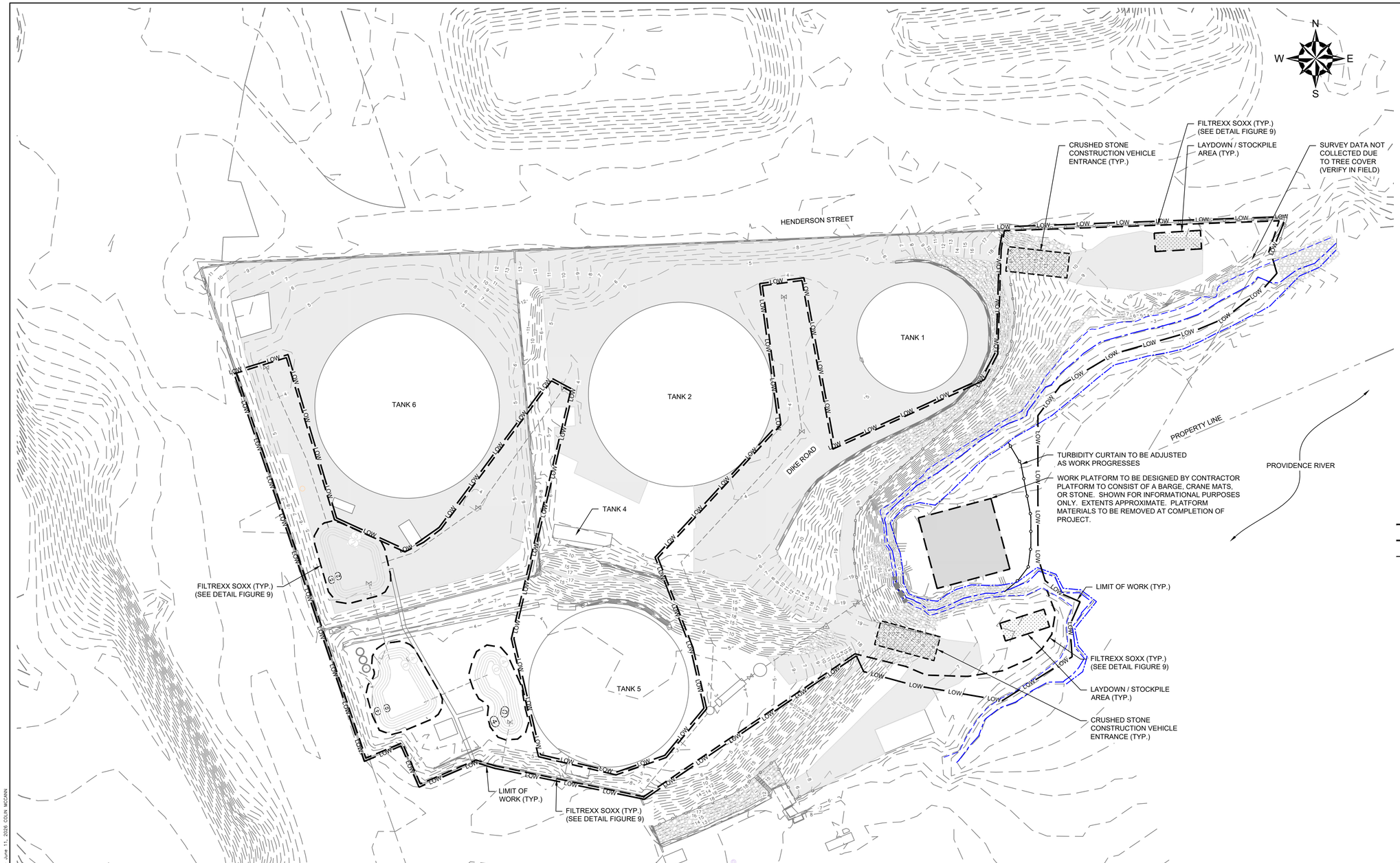
EXISTING CONDITIONS SITE PLAN

PERMITTING ONLY
NOT FOR CONSTRUCTION

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental, Inc. www.gza.com		SPRAGUE OPERATING RESOURCES, LLC 185 INTERNATIONAL DRIVE PORTSMOUTH, NH 03801	
PROJ MGR: KBN	REVIEWED BY: SD	CONSULT. REV: SD	FIGURE 3
DESIGNED BY: ETR	DRAWN BY: CPM	SCALE: AS NOTED	
DATE: JULY 2026	PROJECT NO. 03.35578.00	REVISION NO. 0	SHEET NO. 3 OF 9

RECEIVED
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Z:\A-...\VOL01\35578.KBN\VISUALS\CAD\CURRENT PLANS\03_35578.00_EXISTING CONDITIONS SITE PLAN.DWG 3 June 23, 2026 COLIN MCCANN



REFERENCE NOTES:

1. BASE MAP DEVELOPED FROM AN ELECTRONIC DRAWING FILE TITLED "22245 - OUT OF OFFICE 6-12-2025.DWG," PREPARED BY BERRY, HUFF, MCDONALD, MILLIGAN INC., AND TRANSMITTED TO GZA ON 6-13-2025. SUPPLEMENTAL TOPOGRAPHIC SURVEY DATA OF THE SHORELINE WAS COLLECTED BY GZA ON JULY 8, 2025 AND IS INCLUDED HEREIN. SUPPLEMENTAL LIDAR TOPOGRAPHIC DATA FROM 2022 IS INCLUDED HEREIN.
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3. AERIAL IMAGERY FROM NEARMAP AERIAL IMAGERY TAKEN 4/9/2024.
4. LIMITS OF EXISTING RIPRAP ARE APPROXIMATED BASED ON THE DRAWING FILE REFERENCED IN NOTE 1 AND GZA'S VISUAL OBSERVATIONS ON JULY 8, 2025. LIMITS OF EXISTING RIPRAP WERE NOT SURVEYED BY GZA.

LEGEND:

- PROPERTY LINE
- EXISTING CONTOUR (5 FOOT INTERVAL) (SEE REFERENCE NOTE 1)
- EXISTING CONTOUR (1 FOOT INTERVAL) (SEE REFERENCE NOTE 1)
- MEAN HIGH WATER (MHW)
- MEAN LOW WATER (MLW)
- HIGH TIDE LINE (HTL)
- EXISTING DETERIORATED TIMBER BULKHEAD
- EXISTING CHAIN LINK FENCE
- EXISTING GUARDRAIL
- PROPOSED CONTOUR (1 FOOT INTERVAL)
- EXISTING ASPHALT
- EXISTING RIP RAP
- CRUSHED STONE CONSTRUCTION ENTRANCE
- LAYDOWN / STOCKPILE AREA
- WORK PLATFORM AREA
- FILTREXX SOXX
- LOW — LIMIT OF WORK
- TURBIDITY CURTAIN

0 20' 40' 80' 120'
SCALE IN FEET 1" = 40'

NO.	ISSUE/DESCRIPTION	BY	DATE

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7/16/26

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SPRAGUE TERMINAL - SHORELINE IMPROVEMENTS
144 ALLENS AVENUE
PROVIDENCE, RHODE ISLAND

TEMPORARY CONTROLS PLAN

PREPARED BY: GZA GeoEnvironmental, Inc. www.gza.com	PREPARED FOR: SPRAGUE OPERATING RESOURCES, LLC 185 INTERNATIONAL DRIVE PORTSMOUTH, NH 03801
PROJ MGR: KBN	REVIEWED BY: SD
DESIGNED BY: ETR	DRAWN BY: CPM
DATE: JULY 2026	PROJECT NO. 03.35578.00
CONSULT. REV: SD	FIGURE 4
SCALE: AS NOTED	
REVISION NO. 0	SHEET NO. 4 OF 9

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LEGEND:

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- EXISTING CONTOUR (1 FOOT INTERVAL) (SEE REFERENCE NOTE 1)
- MEAN HIGH WATER (MHW)
- MEAN LOW WATER (MLW)
- HIGH TIDE LINE (HTL)
- EXISTING CHAIN LINK FENCE
- EXISTING GUARDRAIL
- EXISTING DRAIN PUMP
- EXISTING DRAINAGE MANHOLE
- PROPOSED CONTOUR (1 FOOT INTERVAL)
- EXISTING ASPHALT
- EXISTING RIP RAP
- PROPOSED RIP RAP REVETMENT
- PROPOSED RIP RAP REVETMENT
- PROPOSED PUMP
- PROPOSED ABOVE GROUND PIPE
- PROPOSED BURIED PIPE
- PROPOSED FIRE HOSE
- EXISTING ABOVE GROUND PIPE
- PROPOSED CATCH BASIN
- PROPOSED CHECK VALVE
- PROPOSED GATE VALVE
- PROPOSED MANHOLE WITH FLAT TOP GRATE

0 20' 40' 80' 120'
INSET SCALE IN FEET 1" = 40'

NO.	ISSUE/DESCRIPTION	BY	DATE

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144 ALLENS AVENUE
PROVIDENCE, RHODE ISLAND

PROPOSED STORMWATER SYSTEM PLAN

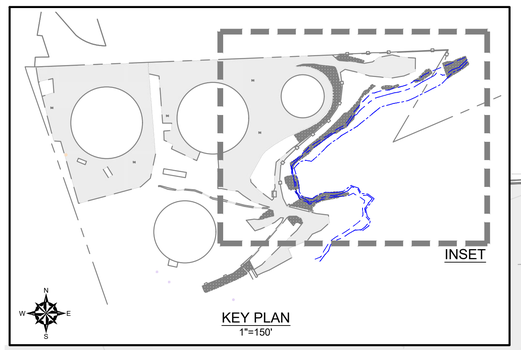
PREPARED BY:
GZA GeoEnvironmental, Inc.
www.gza.com

PREPARED FOR:
SPRAGUE OPERATING RESOURCES, LLC
185 INTERNATIONAL DRIVE
PORTSMOUTH, NH 03801

PROJ MGR: KBN	REVIEWED BY: SD	CONSULT. REV: SD	FIGURE 5
DESIGNED BY: ETR	DRAWN BY: CPM	SCALE: AS NOTED	
DATE: JULY 2026	PROJECT NO. 03.35578.00	REVISION NO. 0	SHEET NO. 5 OF 9

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HENDERSON STREET

TANK 1

TANK 2

DIKE ROAD

PROPERTY LINE

PROVIDENCE RIVER

END OF PROPOSED REVETMENT
TIE IN TO EXISTING
ADJOINER RIPRAP

5+58

5+00

AREA 5 REVETMENT
(RIDOT R7 RIPRAP)
STATION 4+10 - 5+58

4+00

AREA 4 BERM
(RIDOT R7 RIPRAP)
STATION 3+60 - 4+10

3+00

AREA 3 REVETMENT
(RIDOT R7 RIPRAP, SEE NOTE 6)
STATION 2+05 - 3+60

2+00

NBC CSO (INV. EL. 2.05'),
CONCRETE HEAD WALL

EXPOSED SEWER PIPE
(TOP OF PIPE EL. 3.45')

NBC APPROX. CONTRACTOR
TO VERIFY LOCATION IN FIELD

NO REVETMENT WORK PROPOSED IN VICINITY OF
NBC PIPE AND HEADWALL. CONTRACTOR SHALL
MAINTAIN AN 8-FOOT BUFFER FROM EDGE OF PIPE.

AREA 2 REVETMENT
(RIDOT R4 RIPRAP)
STATION 0+60 - 2+05

AREA 1 REVETMENT
(RIDOT R4 RIPRAP, SEE NOTE 5)
STATION 0+00 - 0+60

0+00

1+00

APPROX. LOCATION OF NEW 8"
OUTFALL (STATION 1+25)
INV. EL. 8'
SEE SECTION 7, ON FIGURE 8

START OF PROPOSED REVETMENT
TIE IN TO EXISTING RIPRAP

SEE FIGURE 5 FOR
PROPOSED STORM SYSTEM

INSET
1"=20'

REFERENCE NOTES:

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5. CONTRACTOR SHALL REUSE EXISTING RIPRAP AT AREA 1 REVETMENT TO EXTENT PRACTICABLE. REUSED EXISTING RIPRAP SHALL MEET THE RIDOT R5 GRADATION REQUIREMENTS. ASSUME 50% OF EXISTING RIPRAP MAY BE REUSED.
6. CONTRACTOR SHALL REUSE EXISTING RIPRAP AT AREA 3 REVETMENT TO EXTENT PRACTICABLE. REUSED EXISTING RIPRAP SHALL MEET THE RIDOT R7 GRADATION REQUIREMENTS. ASSUME 25% OF EXISTING RIPRAP MAY BE REUSED.

LEGEND:

- PROPERTY LINE
- EXISTING CONTOUR (5 FOOT INTERVAL) (SEE REFERENCE NOTE 1)
- EXISTING CONTOUR (1 FOOT INTERVAL) (SEE REFERENCE NOTE 1)
- MEAN HIGH WATER (MHW)
- MEAN LOW WATER (MLW)
- HIGH TIDE LINE (HTL)
- EXISTING CHAIN LINK FENCE
- EXISTING GUARDRAIL
- EXISTING DRAIN PUMP
- EXISTING DRAINAGE MANHOLE
- EXISTING ASPHALT
- EXISTING RIP RAP (SEE REFERENCE NOTE 4)
- 4+00 5+00 PROJECT STATIONING
- PROJECT AREAS OF REVETMENT / BERM
- PROPOSED R4 RIP RAP REVETMENT
- PROPOSED R7 RIP RAP REVETMENT
- PROPOSED CONTOUR (1 FOOT INTERVAL)
- PROPOSED SLOPE DIRECTION
- PROPOSED BURIED PIPE
- FH PROPOSED FIRE HOSE
- PROPOSED CATCH BASIN
- CV PROPOSED CHECK VALVE
- GV PROPOSED GATE VALVE

0 75' 150' 300' 450'
KEY PLAN SCALE IN FEET 1" = 150'

0 10' 20' 40' 60'
INSET SCALE IN FEET 1" = 20'

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CIVIL
7/6/26

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SPRAGUE TERMINAL - SHORELINE IMPROVEMENTS
144 ALLENS AVENUE
PROVIDENCE, RHODE ISLAND

PROPOSED CONDITIONS REVETMENT PLAN

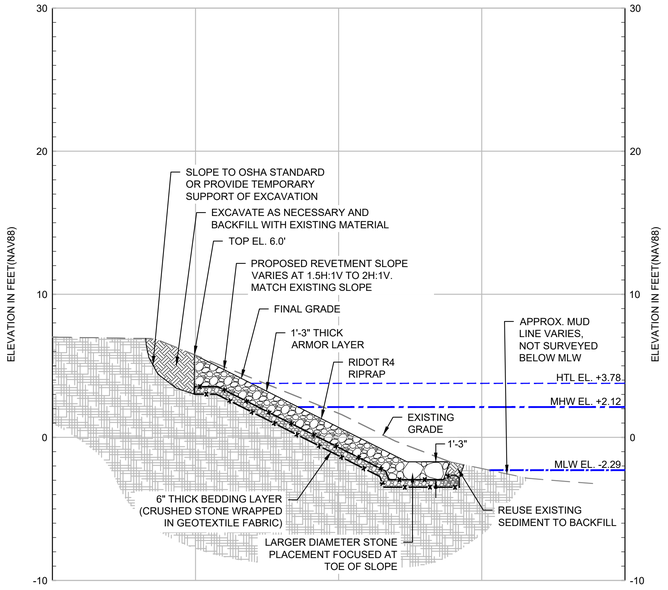
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PREPARED FOR:
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185 INTERNATIONAL DRIVE
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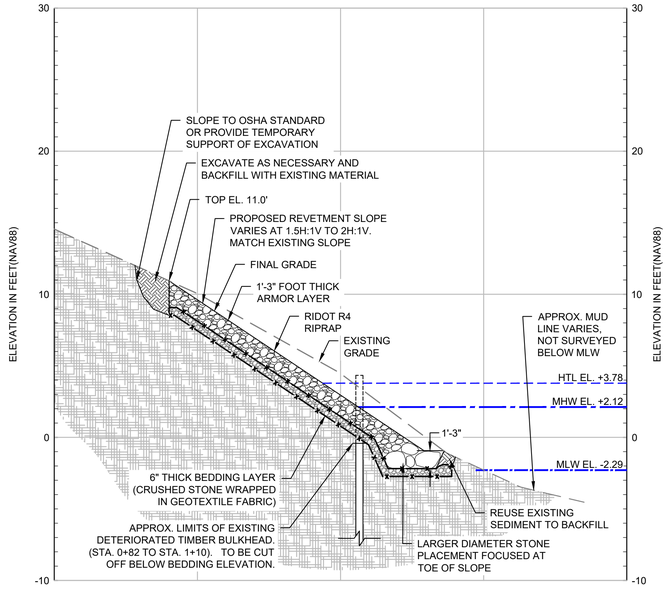
PROJ MGR: KBN	REVIEWED BY: SD	CONSULT. REV: SD	FIGURE 6
DESIGNED BY: ETR	DRAWN BY: CPM	SCALE: AS NOTED	
DATE: JULY 2026	PROJECT NO. 03.35578.00	REVISION NO. 0	SHEET NO. 7 OF 9

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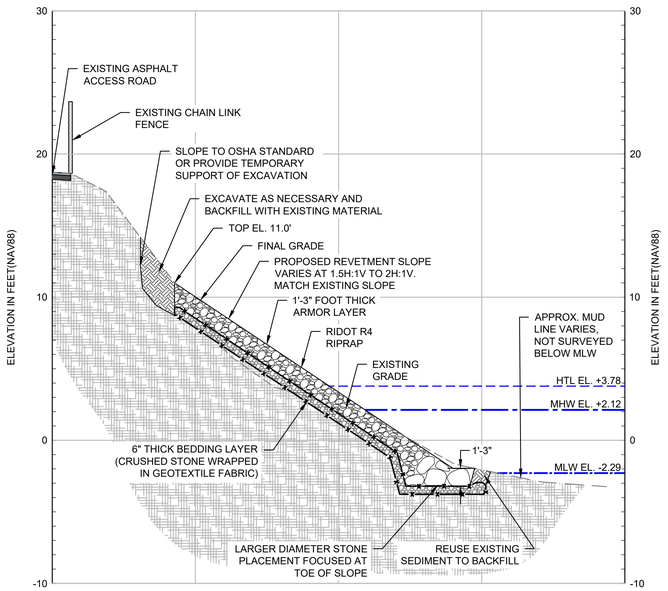
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G:\35\03578.KBK\FIGURES\CAD\CURRENT\PLANS\08_35578.00_PROPOSED CONDITIONS PLAN.DWG 7 June 23, 2026 COLIN MCCANN



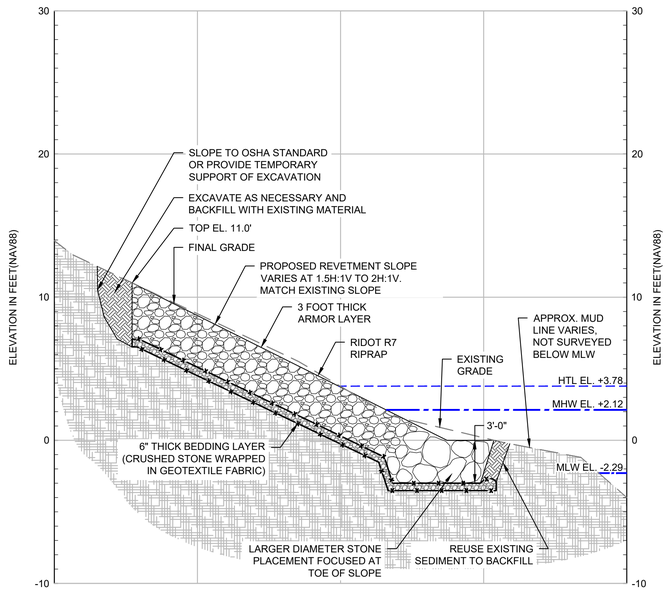
1 / 6 | 7 SECTION AT STA. 0+38 IN AREA 1 REVETMENT (STA. 0+00 - 0+60)
SCALE: 1" = 5'-0"



2 / 6 | 7 SECTION AT STA. 1+02 IN AREA 2 REVETMENT (STA. 0+60 - 2+05)
SCALE: 1" = 5'-0"



3 / 6 | 7 SECTION AT STA. 1+75 IN AREA 2 REVETMENT (STA. 0+60 - 2+05)
SCALE: 1" = 5'-0"



4 / 6 | 7 SECTION AT STA. 2+75 IN AREA 3 REVETMENT (STA. 2+05 - 3+60)
SCALE: 1" = 5'-0"

0 5' 10' 15'
SCALE IN FEET 1" = 5'

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7/7/26

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SPRAGUE TERMINAL - SHORELINE IMPROVEMENTS
144 ALLENS AVENUE
PROVIDENCE, RHODE ISLAND

PROPOSED CONDITIONS SECTIONS (1 OF 2)

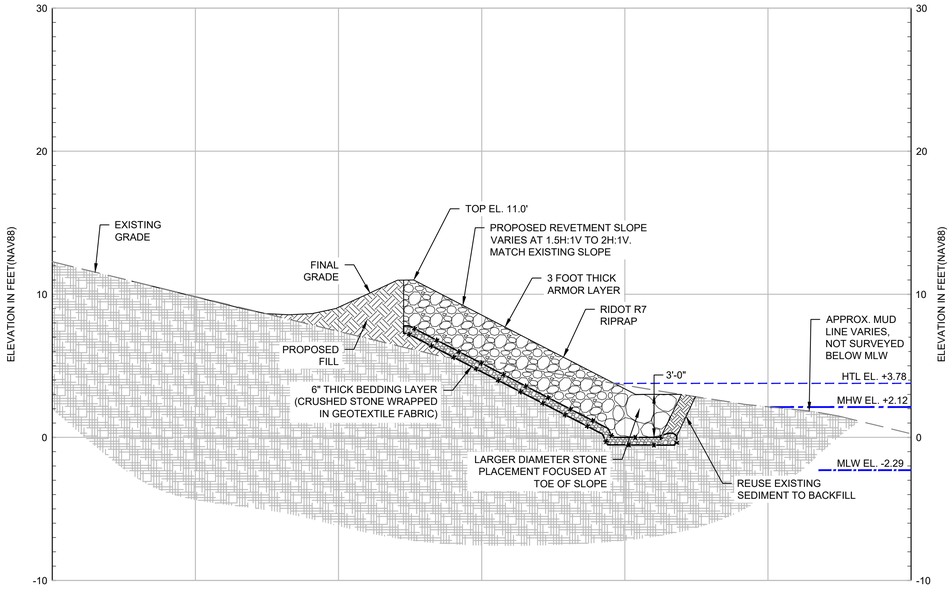
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www.gza.com

PREPARED FOR:
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185 INTERNATIONAL DRIVE
PORTSMOUTH, NH 03801

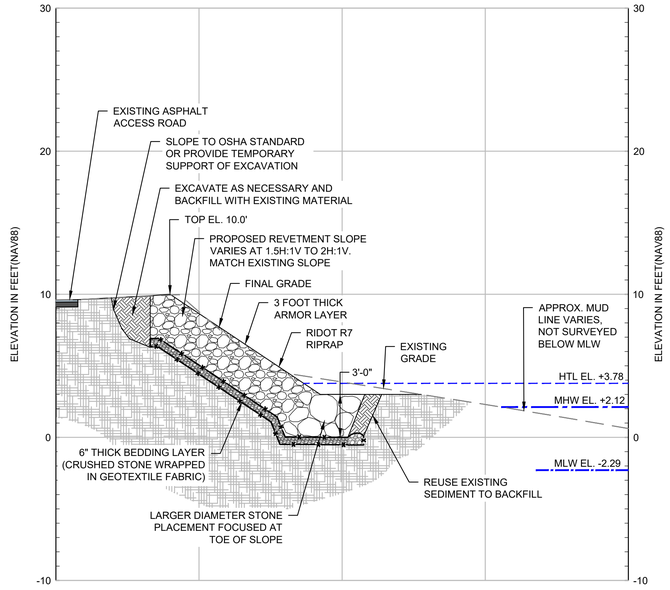
PROJ MGR: KBN	REVIEWED BY: SD	CONSULT. REV: SD	FIGURE 7
DESIGNED BY: ETR	DRAWN BY: CPM	SCALE: AS NOTED	
DATE: JULY 2026	PROJECT NO. 03.35578.00	REVISION NO. 0	SHEET NO. 7 OF 9

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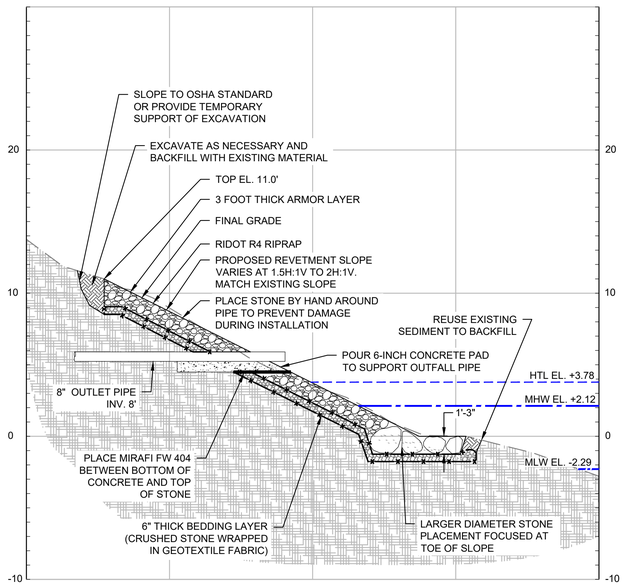
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I:\GZA-...\03\35578-KBN\FIGURES\CAD\CURRENT PLANS\07_35578.00_SLOPE SECTION PLAN (1 OF 2).DWG 7 June 23, 2026 COLIN MCCANN



5 / 6 8 SECTION AT STA. 3+90 IN AREA 4 BERM (STA. 3+60 - 4+10)
SCALE: 1" = 5'-0"



6 / 6 8 SECTION AT STA. 4+80 IN AREA 5 REVETMENT (STA. 4+10 - 5+58)
SCALE: 1" = 5'-0"



7 / 6 8 SECTION - SUPPORT AT NEW OUTFALL - (STA. 1+25) IN AREA 2 REVETMENT (STA. 0+60 - 2+05)
SCALE: NTS

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0 5' 10' 15'
SCALE IN FEET 1" = 5'

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144 ALLENS AVENUE
PROVIDENCE, RHODE ISLAND

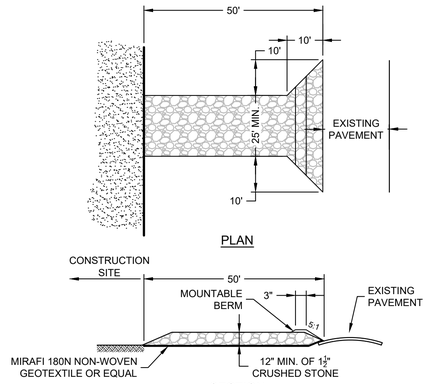
PROPOSED CONDITIONS SECTIONS (2 OF 2)

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PREPARED FOR:
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185 INTERNATIONAL DRIVE
PORTSMOUTH, NH 03801

PROJ MGR: KBN	REVIEWED BY: SD	CONSULT. REV: SD	FIGURE 8
DESIGNED BY: ETR	DRAWN BY: CPM	SCALE: AS NOTED	
DATE: JULY 2026	PROJECT NO. 03.35578.00	REVISION NO. 0	SHEET NO. 8 OF 9

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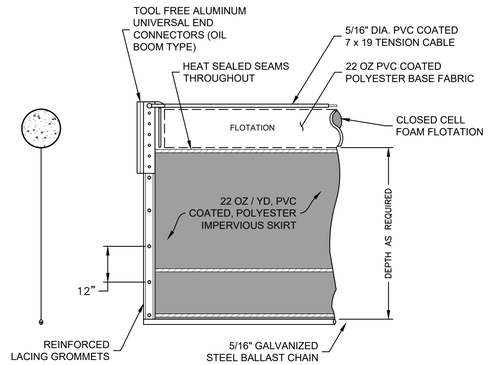


TEMPORARY CONSTRUCTION ENTRANCE / EXIT

SCALE: NTS

NOTES:

1. ENTRANCE SHALL BE TWENTY-FIVE (25) FEET (MINIMUM).
2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING AND ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
3. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED BY CONTRACTOR.

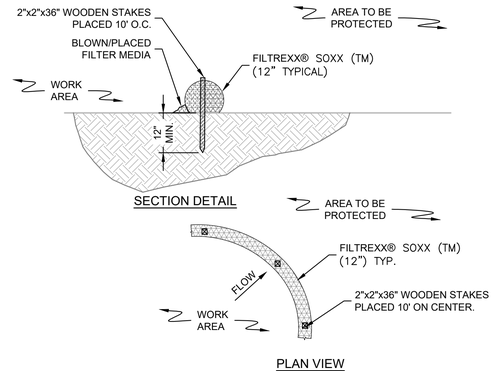


TURBIDITY CURTAIN

SCALE: NTS

NOTES:

1. ANCHOR CURTAIN ENDS AT THE SHORELINE ABOVE MEAN HIGH WATER ELEVATION IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION.
2. ANCHOR CURTAIN AT INTERMEDIATE POINTS WITH CONCRETE ANCHOR BLOCKS.



SILT SOXX DETAIL

SCALE: NTS

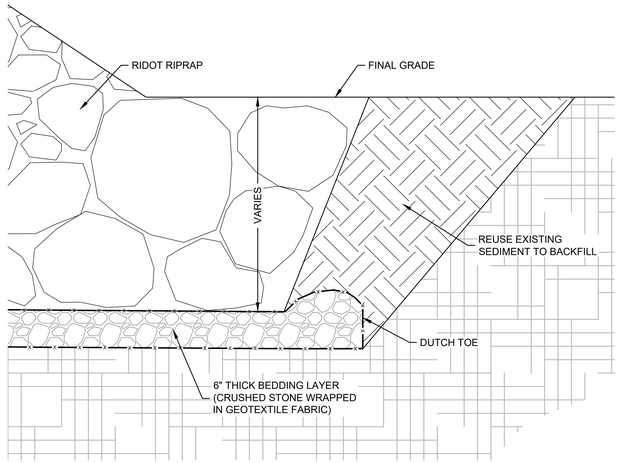
NOTES:

1. PRODUCT TO BE FILTREXX SILT SOXX OR APPROVED EQUAL BY ENGINEER.
2. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
3. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
4. COMPOST MATERIAL TO BE DISPERSED ON SITE AS DETERMINED BY ENGINEER.

RIP RAP GRADATION REQUIREMENTS	
PRIMARY ARMOR LAYER	
RIDOT R-4	
% LESS THAN	STONE SIZE (IN.)
0-15%	4
0-50%	7
100%	14

RIP RAP GRADATION REQUIREMENTS	
PRIMARY ARMOR LAYER	
RIDOT R-7	
% LESS THAN	STONE SIZE (IN.)
0-15%	14
0-50%	18
100%	34

3/4" CRUSHED STONE GRADATION REQUIREMENTS	
% LESS THAN	SIEVE SIZE
100	3/4 INCH
90-100	1/2 INCH
30-60	3/8 INCH
0-15	No. 4
0-5	No. 8



DUTCH TOE DETAIL

SCALE: NTS

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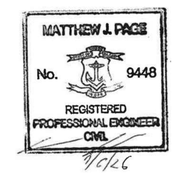
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TEMPORARY CONTROLS DETAILS



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PROJ MGR: KBN	REVIEWED BY: SD	CONSULT. REV: SD	FIGURE 9
DESIGNED BY: ETR	DRAWN BY: CPM	SCALE: AS NOTED	
DATE: JULY 2026	PROJECT NO. 03.35578.00	REVISION NO. 0	SHEET NO. 9 OF 9