

# Plan Set

Issued for: RIDEM Request for Regulatory Applicability  
Date Issued: 2/17/2023

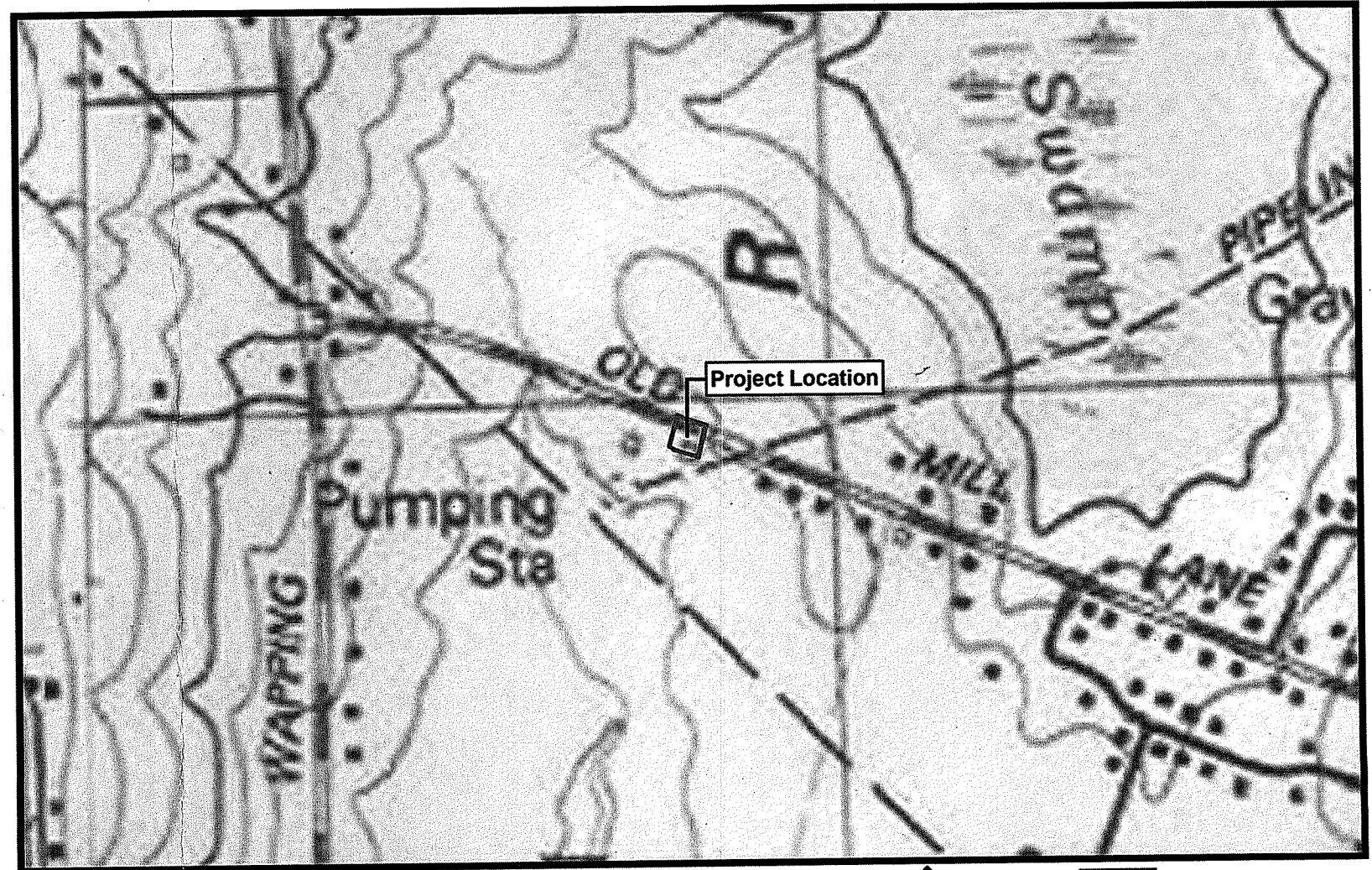
## Sheet Index

Number	Drawing Title	Latest Issue
1	General Notes	2/17/2023
2	Soil Erosion and Sediment Control Plan	2/17/2023
3	Detail Sheet	2/17/2023

# Portsmouth Take Station Building Replacement Project

135 Old Mill Lane

Portsmouth, Rhode Island



Site Location Map



RI Environmental Management  
FEB 27 2023  
Office of Water Resources

**EXISTING CONDITIONS INFORMATION:  
REFERENCES:**

1. WETLAND DELINEATION WAS PERFORMED BY VHB, PROVIDENCE OFFICE. STRUCTURE AND FLAG LOCATIONS WERE LOCATED BY A GLOBAL POSITIONING SYSTEM (GPS) FIELD SURVEY CONDUCTED BY VHB FEBRUARY 2023. THIS SURVEY CONFORMS TO A CLASS IV STANDARD AS DEFINED IN THE PROCEDURAL AND TECHNICAL STANDARDS FOR PERFORMING LAND SURVEYING IN THE STATE OF RHODE ISLAND.

**EROSION AND SEDIMENT CONTROL NOTES:**

1. PRIOR TO STARTING ANY SITE WORK, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED IN FEDERAL, STATE AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
2. A SOIL EROSION AND SEDIMENTATION CONTROL PLAN HAS BEEN DESIGNED TO PROTECT ON-SITE WETLANDS AND WATERCOURSES AND OFF-SITE AREAS DURING AND AFTER CONSTRUCTION.
3. IN AREAS WHERE HIGH RUNOFF VELOCITIES OR HIGH SEDIMENT LOADS ARE EXPECTED, TWO LINES OF COMPOST FILTER SOCK (CFS) WILL BE INSTALLED BACK TO BACK.
4. THE TAKE STATION YARD IS SURFACED WITH CRUSHED STONE AND WILL SERVE AS A CONSTRUCTION ENTRANCE/EXIT.
5. ONCE WORK IS COMPLETE, FINAL SURFACE TREATMENT CONSISTING OF CRUSHED STONE WILL BE REESTABLISHED WITHIN THE FACILITY YARD.
6. IN ACCORDANCE WITH THE RIPDES GENERAL PERMIT, ALL STORMWATER CONTROL MEASURES, DISTURBED AREAS, AREAS USED FOR THE STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION (INCLUDING UNSTABILIZED SOIL STOCKPILES), DISCHARGE LOCATIONS AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AS OUTLINED IN PART IV OF THIS PERMIT, MUST BE INSPECTED BY OR UNDER THE SUPERVISION OF THE APPLICANT AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN TWENTY-FOUR (24) HOURS AFTER ANY STORM EVENT WHICH GENERATES AT LEAST 0.25 INCHES OF RAINFALL PER TWENTY-FOUR (24) HOUR PERIOD AND/OR AFTER A SIGNIFICANT AMOUNT OF RUNOFF. SUCH AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE WATERS OF THE STATE OR A SEPARATE STORM SEWER SYSTEM. ALL BMPs SHALL BE MAINTAINED TO PREVENT UNCONTROLLED RELEASES OF MEASURABLE AMOUNTS OF SEDIMENT OR SEDIMENT LADEN WATER FROM TRAVELING BEYOND THE LIMITS OF DISTURBANCE.
7. SEDIMENT SHALL BE REMOVED FROM BEHIND BARRIERS IF GREATER THAN 6 INCHES DEEP OR AS NEEDED.
8. DAMAGED OR DETERIORATED EROSION/SEDIMENTATION CONTROL ITEMS WILL BE REPAIRED IMMEDIATELY AFTER IDENTIFICATION.
9. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ALL DISTURBED EARTH HAS BEEN SECURELY STABILIZED. ONCE THE SITE IS STABILIZED, THE STRAW BALES WILL BE REMOVED OR BROKEN UP AND SPREAD AS MULCH. ALL OTHER CONTROLS SHALL BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
10. IN THE EVENT OF A FUEL SPILL OR EQUIPMENT MALFUNCTION RESULTING IN A RELEASE OF HAZARDOUS MATERIAL, ALL WORK WILL BE STOPPED IN THIS AREA UNTIL THE RELEASE/SPILL IS CLEANED UP.
11. EQUIPMENT USED FOR CONSTRUCTION WILL BE PROPERLY MAINTAINED AND OPERATED TO REDUCE THE CHANCES OF SPILL OCCURRENCES OF PETROLEUM PRODUCTS. REFUELING OF EQUIPMENT WILL BE REQUIRED TO CARRY SPILL CONTAINMENT AND PREVENTION DEVICES (I.E., ABSORBENT PADS, CLEAN UP RAGS, FIVE GALLON CONTAINERS, ABSORBENT MATERIAL, ETC.) AT ALL TIMES. IN ADDITION, MAINTENANCE EQUIPMENT AND REPLACEMENT PARTS FOR CONSTRUCTION EQUIPMENT WILL BE ON HAND TO REPAIR FAILURES AND STOP A SPILL IN THE EVENT OF EQUIPMENT MALFUNCTION.
12. ANY HAZARDOUS WASTE SPILLS SHALL BE CLEANED UP IMMEDIATELY, AND IF THE SPILL AMOUNT IS EQUAL TO OR EXCEEDS THE EPA REPORTABLE QUANTITY (RQ) FOR THAT SUBSTANCE IN ACCORDANCE WITH 40 CFR PARTS 1010, 117, OR 302. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE NATIONAL RESPONSE CENTER AT 1-800-424-8802. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR SUBMITTING IN WRITING A DESCRIPTION OF THE RELEASE TO THE EPA REGIONAL OFFICE AND RIDEM PROVIDING THE DATE AND CIRCUMSTANCES OF THE RELEASE AND THE STEPS TO BE TAKEN TO PREVENT ANOTHER RELEASE. DIRECTIONS FOR CLEANING UP SPILLS SHALL BE CLEARLY POSTED AT A DESIGNATED ON-SITE LOCATION, AND CONSTRUCTION PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND LOCATION OF CLEANUP SUPPLIES. PERSONNEL SHALL WEAR APPROPRIATE PROTECTIVE GEAR AND HAVE PROPER TRAINING TO PREVENT INJURY FROM CONTACT WITH ANY HAZARDOUS SUBSTANCES.
13. NO GRADE CHANGES ARE PROPOSED.

**Portsmouth Take Station  
Building Replacement Project**

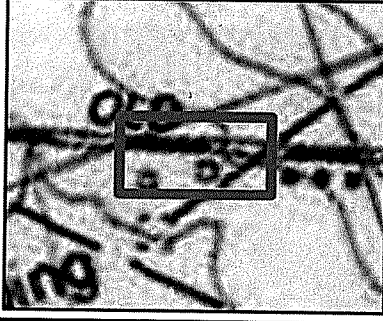
Notes  
Portsmouth, RI

Page 1 of 3

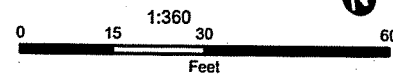
Source: RIGIS,VHB

Date: 2/17/2023





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|--|--|---|
| <ul style="list-style-type: none"> <li>— Limit of Disturbance</li> <li>— Odorant Line to be replaced</li> <li>— Odorizer Power Gas Line to be replaced</li> <li>×× Existing Fence</li> <li>□ Dewatering Filter Bag</li> <li>□ Temporary Soil Stockpile</li> <li>□ Existing Building to be Replaced on Existing Foundation</li> </ul> | <ul style="list-style-type: none"> <li>— Area Subject to Storm Flowage</li> <li>— Erosion Control Barrier</li> <li>- - - Approximate Wetland Edge</li> <li>— Delineated Wetland Edge</li> <li>□ Buffer Zone / Jurisdictional Area</li> </ul> | <ul style="list-style-type: none"> <li>● Wetland Delineation Flags</li> <li>● ASSF Flags</li> <li>● Culvert</li> <li>□ Municipal Lot Lines</li> </ul> |
|--|--|---|



**Portsmouth Take Station  
Building Replacement Project**


Soil Erosion and Sediment Control Plan  
Portsmouth, RI

Page 2 of 3

Source: RIGIS, VHB

  
**Rhode Island Energy™**  
a PPL company

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Rhode Island Energy <b>Environmental Guidance</b> Subject: Access, Maintenance and Construction Best Management Practices Reference: EP No. 3 - Natural Resource Protection (Chapter 6)	Doc. No. EG-303 Page: 7-40 Date: 05/25/22
	Rev. No. 4 Date: 05/25/22

**PLAN VIEW**

**CROSS-SECTION**

**NOTES:**

- NUMBER OF BALES MAY VARY DEPENDING ON SITE CONDITIONS.
- THE BASIN TO BE SIZED TO PREVENT DISCHARGE WATER FROM OVERTOPPING BASIN.
- KEEP AS FAR FROM WETLANDS AS PRACTICAL.
- CLEAN AND REMOVE AS SOON AS DEWATERING IS COMPLETE.

**BMP PICTURE**

**AA-10 DEWATERING BASIN (SMALL SCALE)**

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Detail #1

Rhode Island Energy <b>Environmental Guidance</b> Subject: Access, Maintenance and Construction Best Management Practices Reference: EP No. 3 - Natural Resource Protection (Chapter 6)	Doc. No. EG-303 Page: 7-44 Date: 05/25/22
	Rev. No. 4 Date: 05/25/22

**CROSS-SECTION**

**NOTES:**

- PRODUCT TO BE OUTPAK PVC CONCRETE WASHOUT OR APPROVED EQUAL BY ENVIRONMENTAL DEPARTMENT.
- THE CONCRETE WASHOUT AREA SHALL BE INSTALLED PRIOR TO ANY CONCRETE PLACEMENT.
- STAKES SHALL BE PLACED AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CONCRETE WASHOUT.
- THE CONCRETE WASHOUT AREA WILL BE REPLACED AS NECESSARY TO MAINTAIN CAPACITY FOR WASTE CONCRETE AND OTHER LIQUID WASTE.
- WASHOUT RESIDUE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED WASTE SITE.
- DO NOT MIX EXCESS AMOUNTS OF FRESH CONCRETE OR CEMENT ON-SITE.
- DO NOT WASH OUT CONCRETE TRUCKS INTO STORM DRAINS, OPEN DITCHES, STREETS, OR STREAMS.
- AVOID DUMPING EXCESS CONCRETE IN NON-DESIGNATED DUMPING AREAS.
- LOCATE WASHOUT AREA AT LEAST 50' FROM STORM DRAIN, OPEN DITCHES, OR WATERBODIES. COORDINATE LOCATION WITH NATURAL AND ENVIRONMENTAL SCIENTIST.
- WASH OUT WASTES INTO THE OUTPAK WASHOUT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED OF PROPERLY.
- A SECURE, NON-COLLAPSING, NON-WATER COLLECTING COVER MUST BE PLACED OVER CONCRETE WASHOUT PRIOR TO PREDICTED WET WEATHER TO PREVENT ACCUMULATION AND OVERFLOW OF PRECIPITATION.

**BMP PICTURE**

**AA-14 OUTPAK CONCRETE WASHOUT \***

\* PICTURE AND DETAIL PROVIDED BY OUTPAK WASHOUT  
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Detail #2

Rhode Island Energy <b>Environmental Guidance</b> Subject: Access, Maintenance and Construction Best Management Practices Reference: EP No. 3 - Natural Resource Protection (Chapter 6)	Doc. No. EG-303 Page: 7-4 Date: 05/25/22
	Rev. No. 4 Date: 05/25/22

**SECTION**

**NOTES:**

- PRODUCT TO BE FILTERSILT SOXX OR APPROVED EQUAL BY THE ENVIRONMENTAL DEPARTMENT.
- ALL MATERIAL TO MEET FEDERAL SPECIFICATIONS.
- FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.
- BEFORE CONTAINMENT MATERIAL SHOULD BE INSTALLED PHOTOGRAPHABLE OR BIODEGRADABLE MATERIAL. WITH OPENING SIZES BETWEEN 1/4" - 3/8".
- COMPOST MEDIA SHOULD HAVE PARTICLE SIZE WIDE RISE < 2", SIZE > 1/2".
- COMPOST MEDIA TO BE DISPOSED ON SITE AS DETERMINED BY THE ENVIRONMENTAL DEPARTMENT.

**BMP PICTURE**

**SEC-4 SILT SOXX \***

\* PICTURE AND DETAIL PROVIDED BY FILTERSILT LAND IMPROVEMENT SYSTEMS  
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Detail #3

**Portsmouth Take Station**  
**Building Replacement Project**

Details  
 Portsmouth, RI

Page 3 of 3

Source: RIGIS,VHB

Date: 2/17/2023

