

# Plan Set

RIDEM Wetland Submission  
Date Issued: March 9, 2023

# Rhode Island Energy Dey Street Gate Station Heater Replacement Project

## Dey Street East Providence, Rhode Island

RI Environmental Management

MAR 13 2023

Office of Water Resources

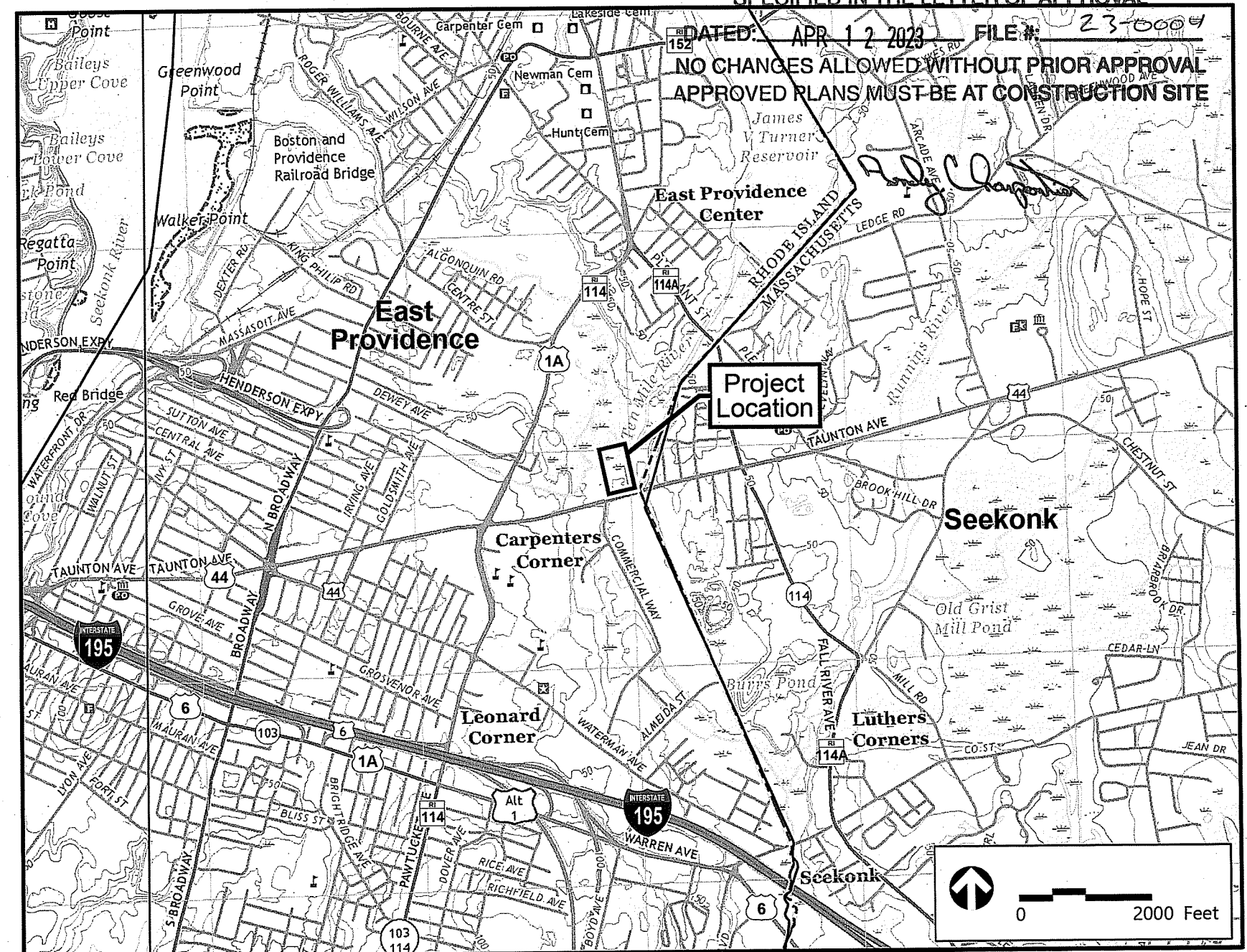
RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS AS  
SPECIFIED IN THE LETTER OF APPROVAL

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2	General Notes	12/21/2022
3	Property Plan	03/09/2023
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#### Owner

Plat 505 Block 5 Lot 3  
N/F Providence Gas Co. &  
New England Gas Co.



DATED: APR 12 2023 FILE #: 23-0004  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*John J. Chapman*



Plan Date: 12/21/2022		
No.	Date	Revision Description
1	03/09/2023	RIDEM COMMENTS

Project Location Map

**EXISTING CONDITIONS INFORMATION:**

**REFERENCES:**

1. PROJECT SITE IS LOCATED ON DEY STREET APPROXIMATELY 450 FEET NORTH OF THE INTERSECTION OF DEY STREET AND TAUNTON AVENUE (US ROUTE 44) IN EAST PROVIDENCE, RI.
2. BASE AERIAL PHOTOGRAPHY (2022) OBTAINED BY NEARMAP.
3. PROPOSED CONDITIONS PROVIDED BY RHODE ISLAND ENERGY'S PLAN SET TITLED AS "DEY STREET HEATER REPLACEMENT, DEY STREET, RHODE ISLAND, 02914, W/O: 9000020991 AND DATED AND STAMPED 09/01/2022.
4. 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 SEPTEMBER 2022. 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. A TYPICAL CRUSHED-STONE CONSTRUCTION ENTRANCE/EXITS WILL BE CONSTRUCTED IF NEEDED.
5. ONCE WORK IS COMPLETE, FINAL SURFACE TREATMENT CONSISTING OF STRAW OR CELLULOSE MULCH WILL BE APPLIED TO STABILIZE THE DISTURBED AREAS OUTSIDE THE FACILITY FENCE. ANY SOIL DISTURBANCE ASSOCIATED WITH EQUIPMENT ACCESS TO STRUCTURES OR STRUCTURE EXCAVATIONS SHOULD BE MULCHED WITH STRAW ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED, UNLESS THE ACTIVITY IS TO RESUME WITHIN 21 DAYS.
6. 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, 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.

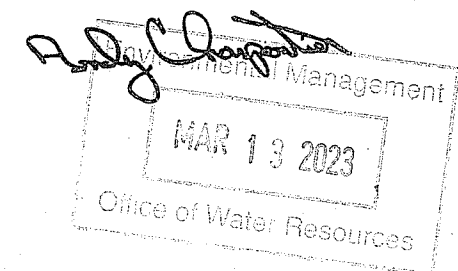
7. SEDIMENT SHALL BE REMOVED FROM BEHIND BARRIERS IF GREATER THAN 6 INCHES DEEP OR AS NEEDED.
8. DAMAGED OR DETERIORATED EROSION/SEDIMENTATION CONTROL ITEMS WILL BE REPAIRED IMMEDIATELY AFTER IDENTIFICATION.
9. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL ALL DISTURBED EARTH HAS BEEN SECURELY 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.

**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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FRESHWATER WETLANDS PROGRAM**

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DATED: APR 17 2023 FILE #: 23-0004

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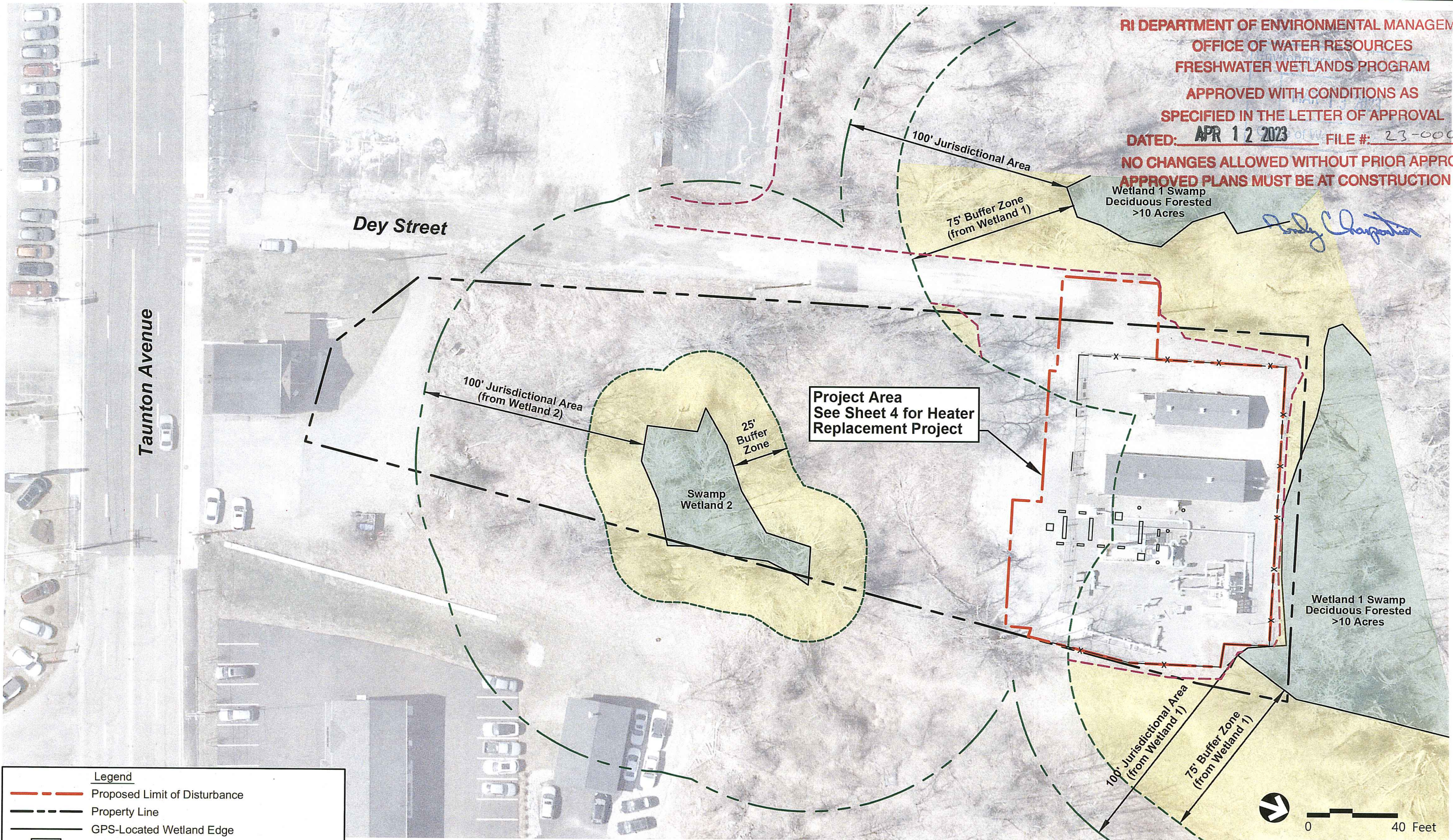
Plan Date: 12/21/2022		
No.	Date	Revision Description



Notes  
Dey Street Heater Replacement Project  
Dey Street  
East Providence, RI

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*Andy Carpenter*



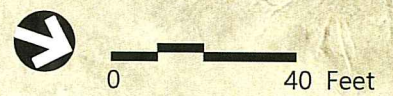
Legend	
	Proposed Limit of Disturbance
	Property Line
	GPS-Located Wetland Edge
	Wetland Area
	Existing Natural Vegetation Limit
	Buffer Zone with Native Vegetation
	25' Buffer Zone
	75' Buffer Zone
	100' Jurisdictional Area

**Notes:**  
 1. Entire Project Area is within One Percent Annual Chance Flood (100-Year Floodplain)  
 2. The Ten Mile River is Approximately 130' north of the Project Area. Buffer Zone and Jurisdictional Area overlap with the wetlands.

Plan Date: 12/21/2022		
No.	Date	Revision Description
1	03/09/2023	RIDEM COMMENTS



Existing Conditions Plan  
Dey Street Heater Replacement  
East Providence, RI



Environmental Management  
**Sheet 3**  
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Office of Water Resources

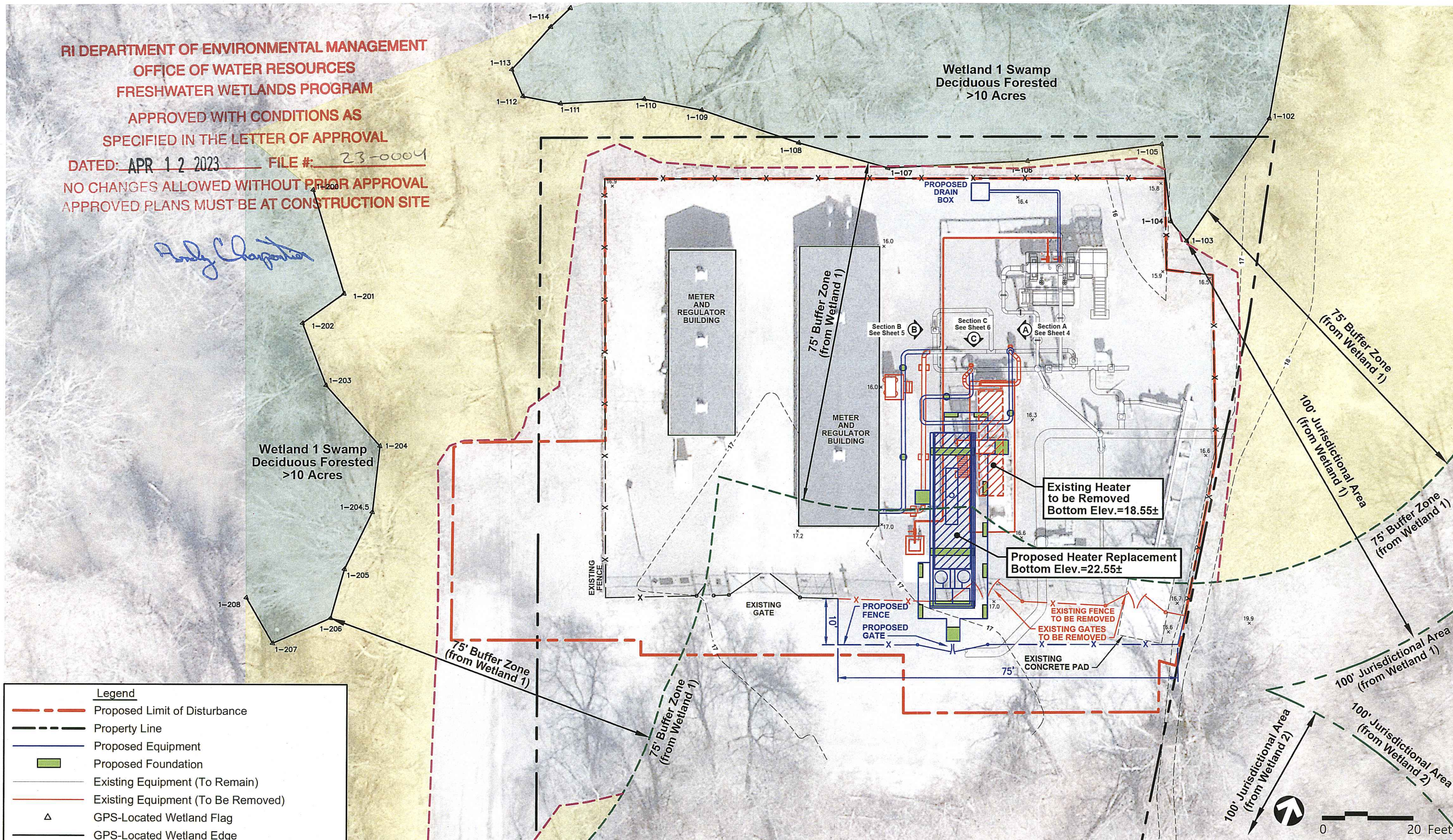
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*Andy Carpenter*



Legend	
	Proposed Limit of Disturbance
	Property Line
	Proposed Equipment
	Proposed Foundation
	Existing Equipment (To Remain)
	Existing Equipment (To Be Removed)
	GPS-Located Wetland Flag
	GPS-Located Wetland Edge
	Wetland Area
	Existing Wetland Buffer
	Buffer Zone with Native Vegetation
	75' Buffer Zone
	100' Jurisdictional Area

**Notes:**  
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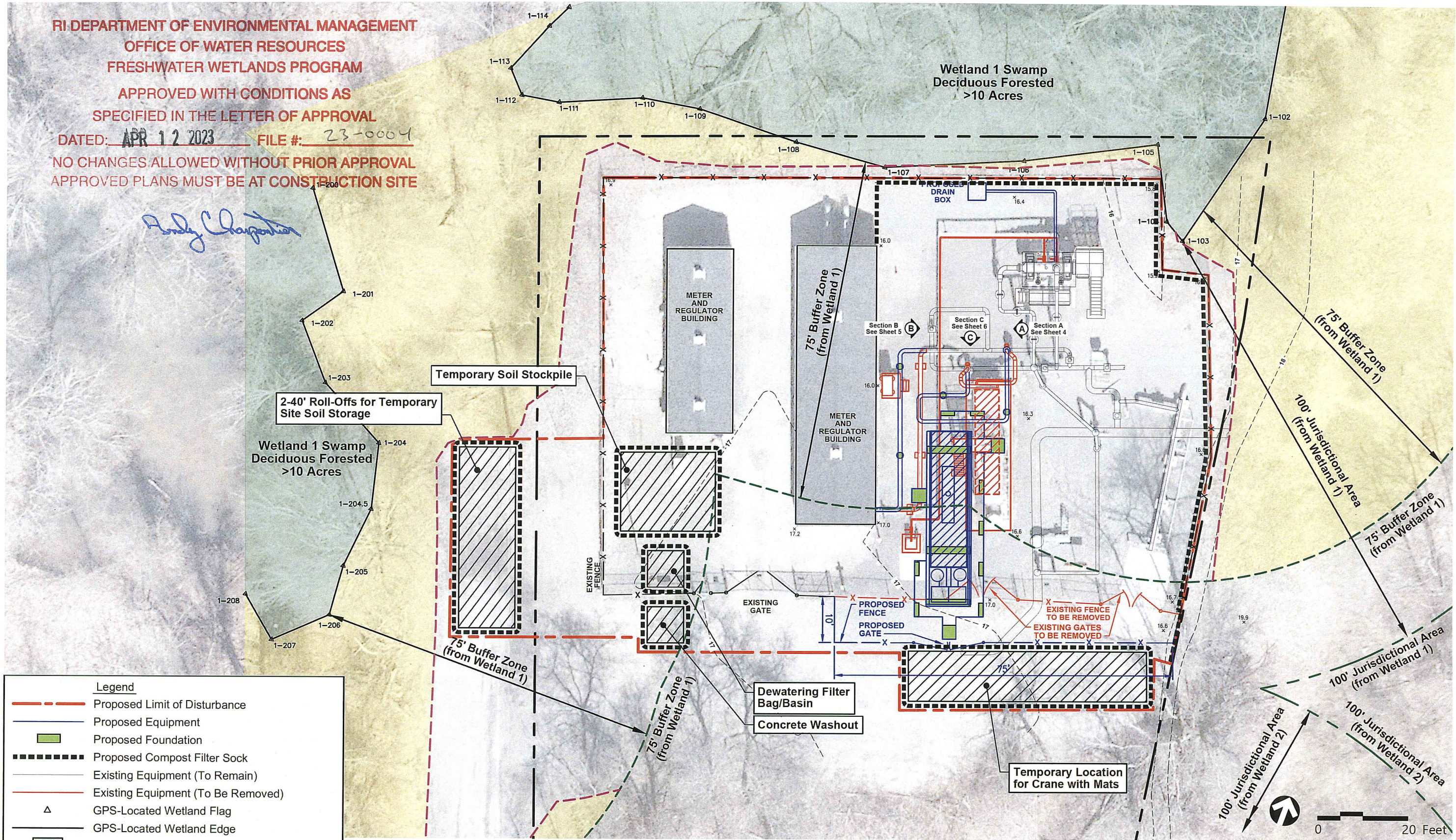
Project Plan  
Dey Street Heater Replacement  
East Providence, RI

Environmental Management  
**Sheet 4**  
 MAR 13 2023  
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**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
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FRESHWATER WETLANDS PROGRAM**

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*Andy Chapman*



Legend	
	Proposed Limit of Disturbance
	Proposed Equipment
	Proposed Foundation
	Proposed Compost Filter Sock
	Existing Equipment (To Remain)
	Existing Equipment (To Be Removed)
	GPS-Located Wetland Flag
	GPS-Located Wetland Edge
	Wetland Area
	Existing Wetland Buffer
	Buffer Zone with Native Vegetation
	75' Buffer Zone
	100' Jurisdictional Area

**Notes:**  
1. Entire Project Area is within One Percent Annual Chance Flood (100-Year Floodplain)  
2. The Ten Mile River is Approximately 130' north of the Project Area. Buffer Zone and Jurisdictional Area overlap with the wetlands.

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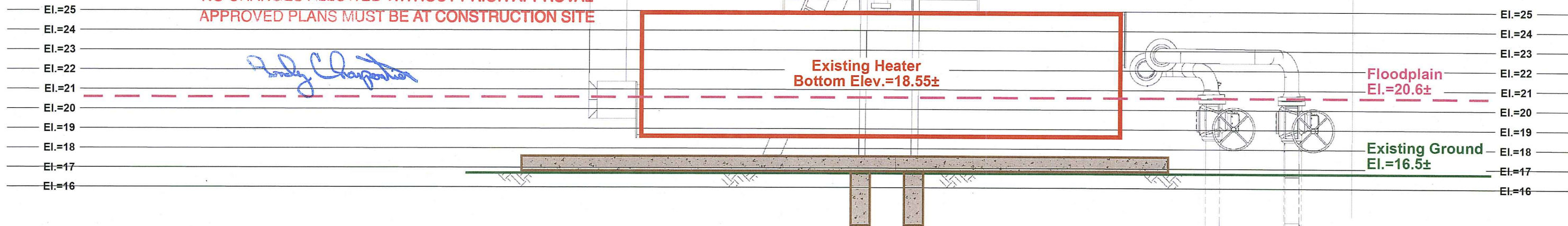
Soil, Erosion, and Sediment Control Plan  
Dey Street Heater Replacement  
East Providence, RI

Environmental Management  
**Sheet 5**  
MAR 13 2023  
Office of Water Resources

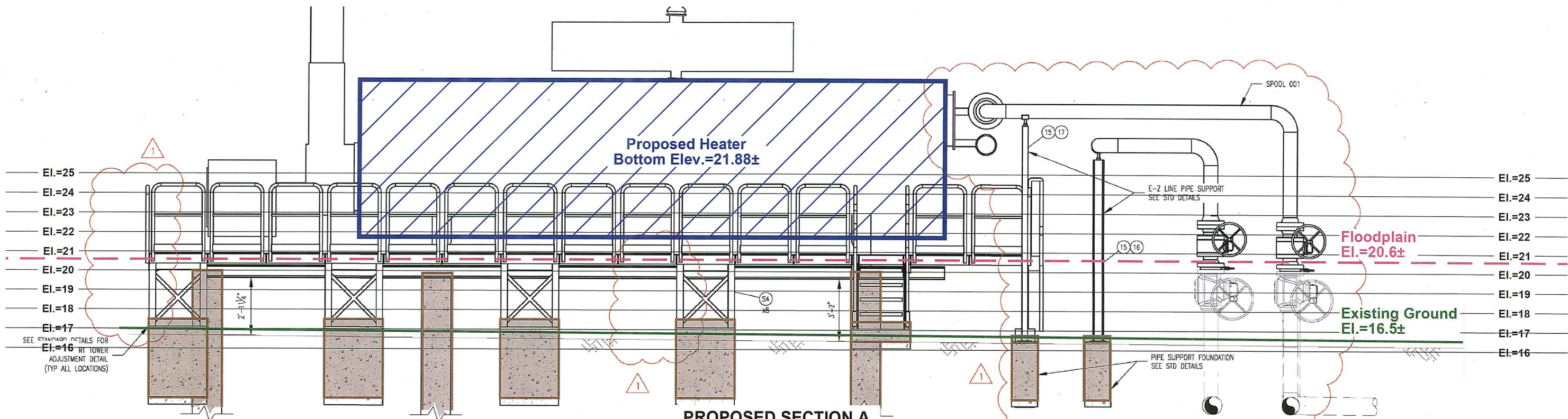
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*Andy Chapman*



**EXISTING SECTION A  
Looking West**



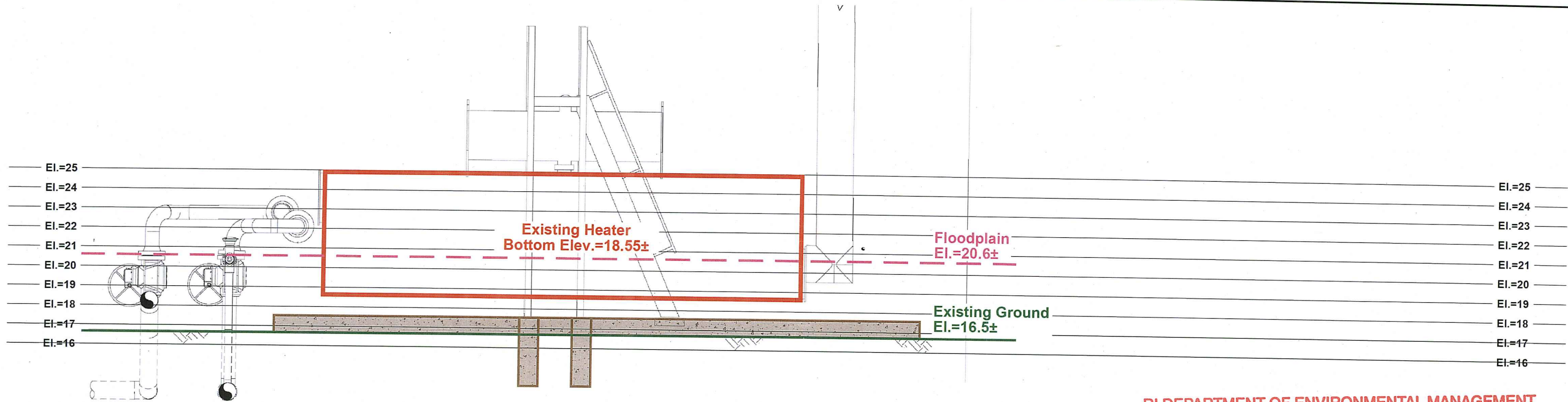
**PROPOSED SECTION A  
Looking West**

Plan Date: 12/21/2022		
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1	03/09/2023	RIDEM COMMENTS

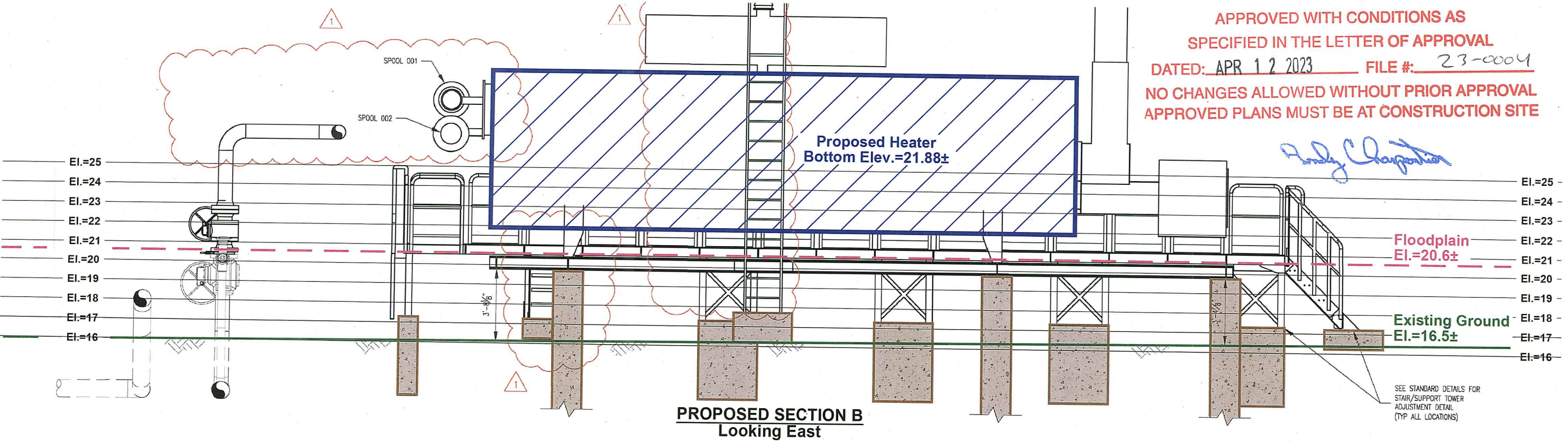


Existing & Proposed Section Plans  
Looking West  
Dey Street Heater Replacement  
East Providence, RI

**Sheet 6**  
MAR 13 2023  
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**EXISTING SECTION B**  
Looking East



**PROPOSED SECTION B**  
Looking East

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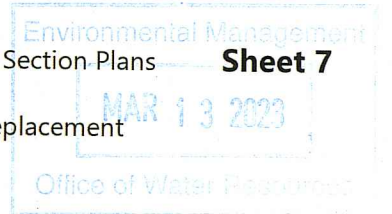
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*Andy Clayton*

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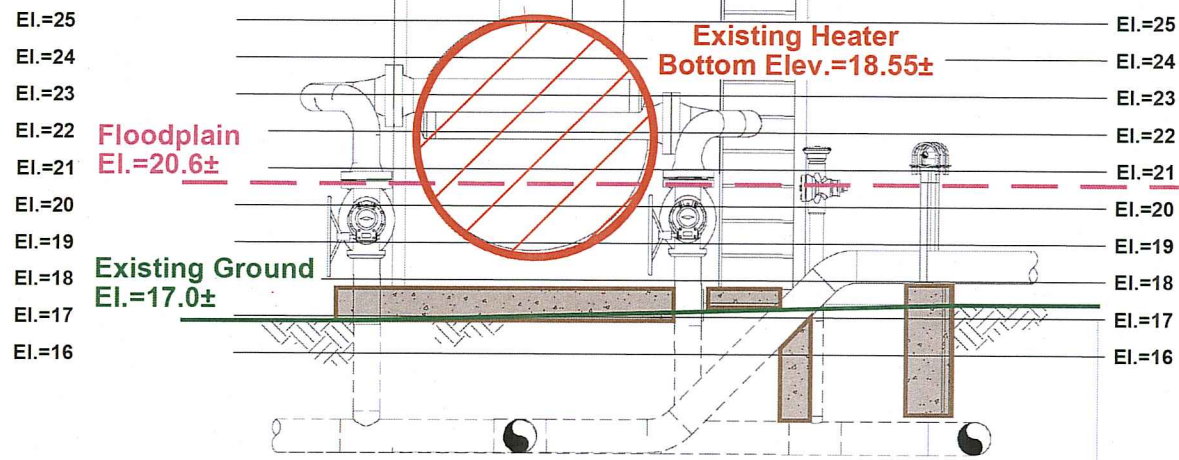
Existing & Proposed Section Plans — **Sheet 7**  
Looking East  
Dey Street Heater Replacement  
East Providence, RI



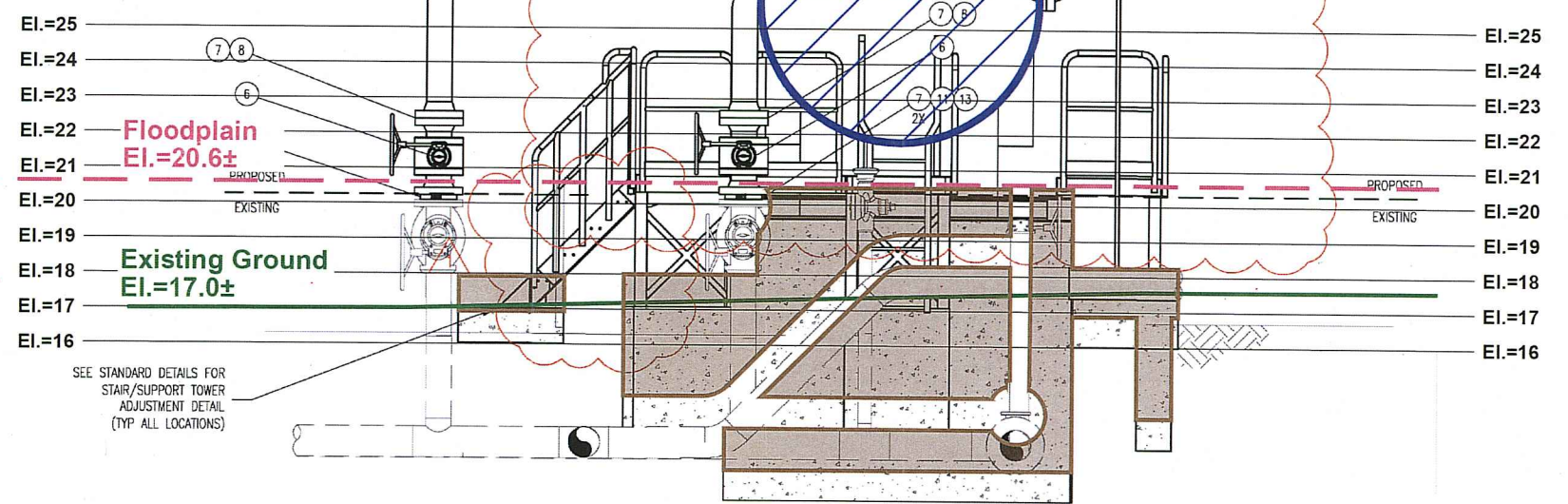
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*Andy Clouston*



**EXISTING SECTION C  
Looking South**



**PROPOSED SECTION C  
Looking South**

Plan Date: 12/21/2022		
No.	Date	Revision Description
1	03/09/2023	RIDEM COMMENTS



Existing & Proposed Section Plans  
Looking South  
Dey Street Heater Replacement  
East Providence, RI

**Sheet 8**  
MAR 13 2023  
Office of Water Resources

Rhode Island Energy™ <b>Environmental Guidance</b> Subject: Access, Maintenance and Construction Best Management Practices	<b>Doc. No.</b> EG-303	<b>Page:</b> 7-40 <b>Rev. No.</b> 4	<b>Date</b> 05/25/22
	Reference: EP No. 3 - Natural Resource Protection (Chapter 6)		
	<b>BMP DETAIL</b> SCALE: NONE FIELD VARIABLE		

**NOTES:**

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

**BMP PICTURE**

**AA-10**  
**DEWATERING BASIN**  
 (SMALL SCALE)  
File: Dewat\_Bas\_Small.dwg

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Rhode Island Energy™ <b>Environmental Guidance</b> Subject: Access, Maintenance and Construction Best Management Practices	<b>Doc. No.</b> EG-303	<b>Page:</b> 7-42 <b>Rev. No.</b> 4	<b>Date</b> 05/25/22
	Reference: EP No. 3 - Natural Resource Protection (Chapter 6)		
	<b>BMP DETAIL</b> SCALE: NONE		

**NOTE:**  
 ONCE PUMPING COMMENCES, THE DIRT BAG SHALL BE MONITORED FREQUENTLY TO ASSURE THAT THE CONNECTIONS ARE SECURELY FASTENED AND THE RATE OF WATER DELIVERY TO THE STRUCTURE IS LOW ENOUGH TO PREVENT UNFILTERED WATER FROM FLOWING FROM THE HOSE CONNECTIONS OR BAG.

**BMP PICTURE**

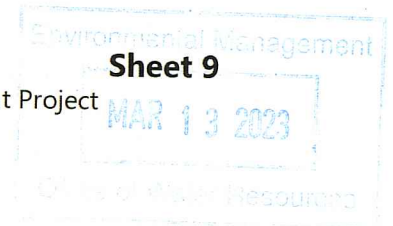
**AA-12**  
**DIRTBAG\***  
File: Dirtbag.dwg

\* PICTURE AND DETAIL PROVIDED BY ACF ENVIRONMENTAL  
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Plan Date:		
12/21/2022		
No.	Date	Revision Description



Detail Sheet 1  
 Dey Street Heater Replacement Project  
 Dey Street  
 East Providence, RI

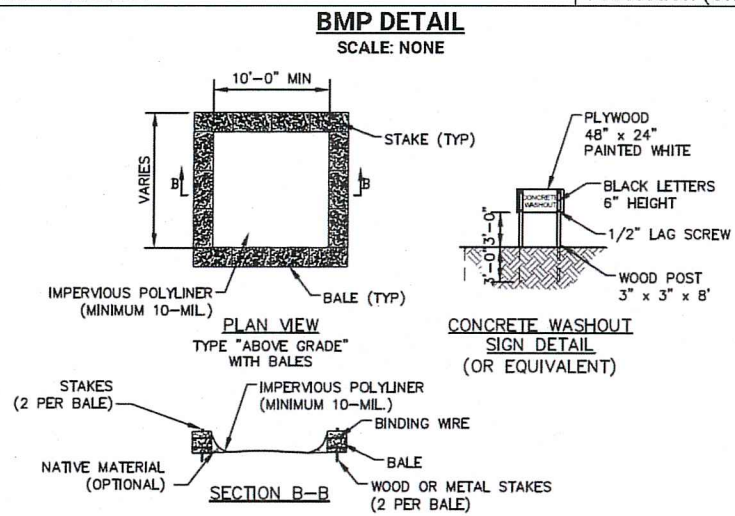


Rhode Island Energy™ **EG-303 Appendix 5 BMP Details** Revision: 04 Effective Date: 05/25/2022

Rhode Island Energy™ **EG-303 Appendix 5 BMP Details** Revision: 04 Effective Date: 05/25/2022

Rhode Island Energy™ <b>Environmental Guidance</b>	Doc. No.	EG-303
	Page: 7-43	Rev. No. 4
	Date	05/25/22
Subject: Access, Maintenance and Construction Best Management Practices		Reference: EP No. 3 - Natural Resource Protection (Chapter 6)

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



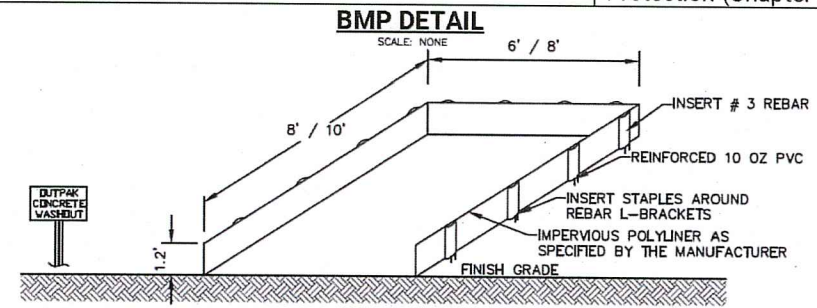
- NOTES:**
- NUMBER OF BALES MAY VARY DEPENDING ON SITE CONDITIONS. COORDINATE SIZE AND LOCATION OF CONCRETE WASTE SUMP WITH ENVIRONMENTAL DEPARTMENT.
  - KEEP AS FAR FROM DRAINAGE CHANNELS AND WETLAND AREAS AS PRACTICAL.
  - SUMPS TO BE CLEANED AND WASTE CONCRETE REMOVED AND PROPERLY DISPOSED OF UPON COMPLETION OF WORK.
  - SEE ADDITIONAL NOTES ON DETAIL AA-14.



**AA-13 CONCRETE WASTE SUMP**  
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File: Conc\_Waste\_Sump.dwg

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Avery Duggan



- 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.
  - SIGNS 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 DISPENSED 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 NATIONAL GRID 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.




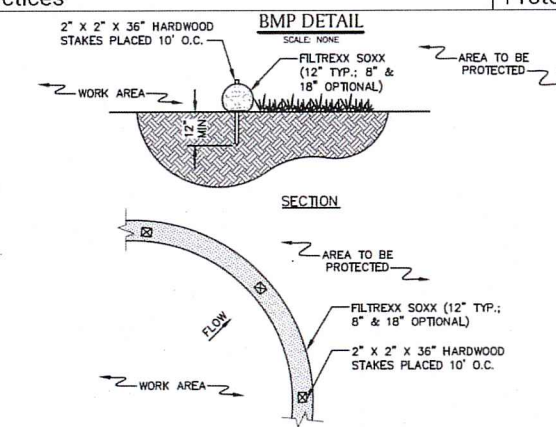
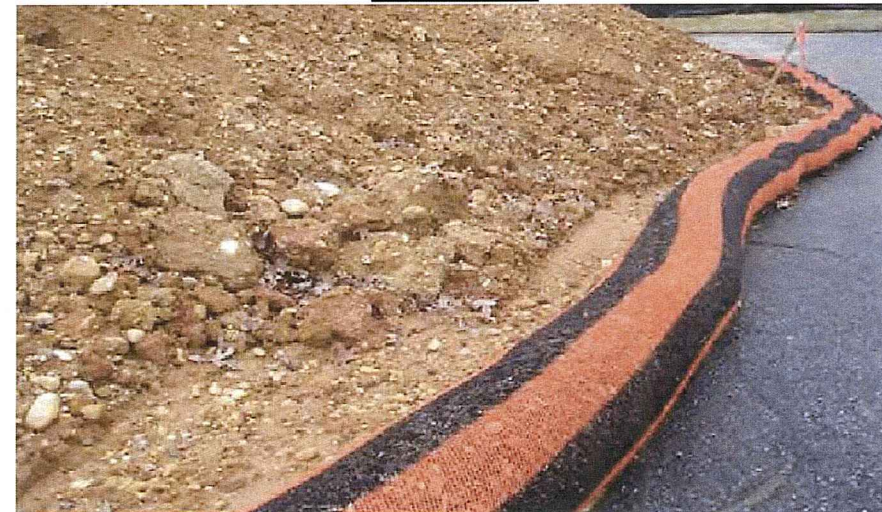
**AA-14 OUTPAK CONCRETE WASHOUT \***  
\* PICTURE AND DETAIL PROVIDED BY OUTPAK WASHOUT  
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File: Outpak\_Washout.dwg

Plan Date:	12/21/2022	
No.	Date	Revision Description

Rhode Island Energy™ **vhb** Detail Sheet 2  
Dey Street Heater Replacement Project  
Dey Street  
East Providence, RI

**Sheet 10**  
Environmental Management  
MAR 13 2023  
Office of Water Resources

	<b>EG-303 Appendix 5</b>	Revision: 04
	<b>BMP Details</b>	Effective Date: 05/25/2022

	<b>Environmental Guidance</b>	Doc. No. EG-303
		Page: 7-4
		Date 05/25/22
Subject: Access, Maintenance and Construction Best Management Practices		Reference: EP No. 3 - Natural Resource Protection (Chapter 6)
<div style="text-align: center;">  </div> <p><b>NOTES</b></p> <ol style="list-style-type: none"> <li>1. PRODUCT TO BE FILTREXX SILT SOXX OR APPROVED EQUAL BY THE ENVIRONMENTAL DEPARTMENT.</li> <li>2. ALL MATERIAL TO MEET FILTREXX SPECIFICATIONS.</li> <li>3. FILTER MEDIA FILL TO MEET APPLICATION REQUIREMENTS.</li> <li>4. MESH CONTAINMENT MATERIAL SHOULD BE KNITTED PHOTODEGRADABLE OR BIODEGRADABLE MATERIAL WITH OPENING SIZES BETWEEN 1/8" - 3/8".</li> <li>5. COMPOST MEDIA SHOULD HAVE PARTICLE SIZE WHERE 99% &lt; 2", 50% &gt; 1/2".</li> <li>6. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY THE ENVIRONMENTAL DEPARTMENT.</li> </ol>		
<b>BMP PICTURE</b> 		
*PICTURE AND DETAIL PROVIDED BY FILTRESS LAND IMPROVEMENT SYSTEMS APPROVED BY: VICE PRESIDENT, ENVIRONMENTAL SERVICES PRINTED COPIES ARE NOT DOCUMENT CONTROLLED. PLEASE REFER TO THE ENVIRONMENTAL SHAREPOINT SITE FOR THE LATEST AUTHORIZED VERSION.		<b>SEC-4</b> <b>SILT SOXX *</b> <small>File: SiltSOXX.dwg</small>

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**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
**OFFICE OF WATER RESOURCES**  
**FRESHWATER WETLANDS PROGRAM**  
 APPROVED WITH CONDITIONS AS  
 SPECIFIED IN THE LETTER OF APPROVAL  
 DATED: APR 12 2023 FILE #: 23-0004  
**NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL**  
**APPROVED PLANS MUST BE AT CONSTRUCTION SITE**




Detail Sheet 3  
 Dey Street Heater Replacement Project  
 Dey Street  
 East Providence, RI

Environmental Sheet 11 of 11  
**MAR 13 2023**  
 Office of Water Resources

Plan Date:		
12/21/2022		
No.	Date	Revision Description