



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: 2021-08-102 Date: September 21, 2021

This office has under consideration the application of:

Bristol County Water Authority
450 Child Street
Warren, RI 02885

for a State of Rhode Island Assent to remove the Lower Kickemuit Reservoir Dam and restore the Upper Kickemuit estuary. The project consists of the removal of the dam structure, shoreline stabilization, sediment management, and wetland restoration. Special Exceptions are required for dredging in Type 2 waters §1.3.1(I)(3)(b), filling in Type 2 waters §1.3.1(J)(3)(a) and alterations to coastal wetlands §1.3.1(L)(3)(b)

Project Location:	Lower Kickemuit Reservoir Dam
City/Town:	Warren
Plat/Lot:	13B 21 / 28 182
Waterway:	Kickemuit River

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.

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 October 21, 2021.

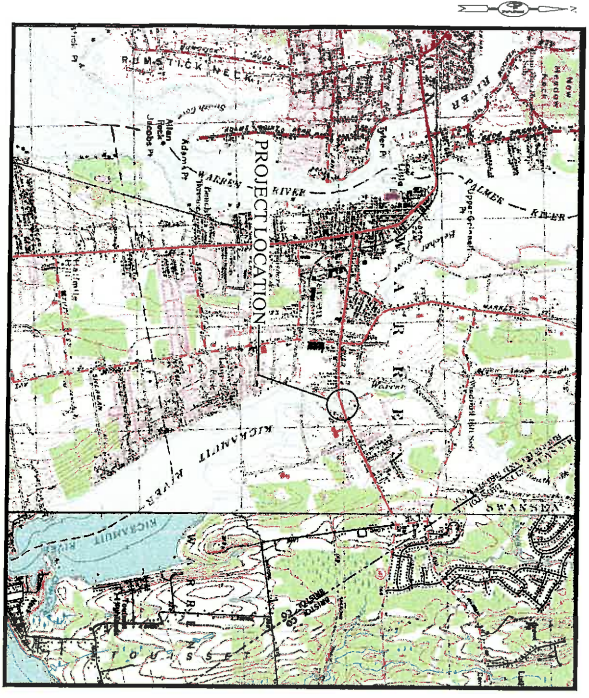
PERMIT SUBMISSION
NOT FOR CONSTRUCTION

Prepared for The:
BRISTOL COUNTY WATER AUTHORITY
LOWER KICKEMUIT RESERVOIR DAM REMOVAL
(WARREN RESERVOIR LOWER DAM)
RI / 479
WARREN, RHODE ISLAND
AUGUST 2021

WARREN, RHODE ISLAND
AUGUST 2021

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LOCUS PLAN
SCALE: 1" = 2000'

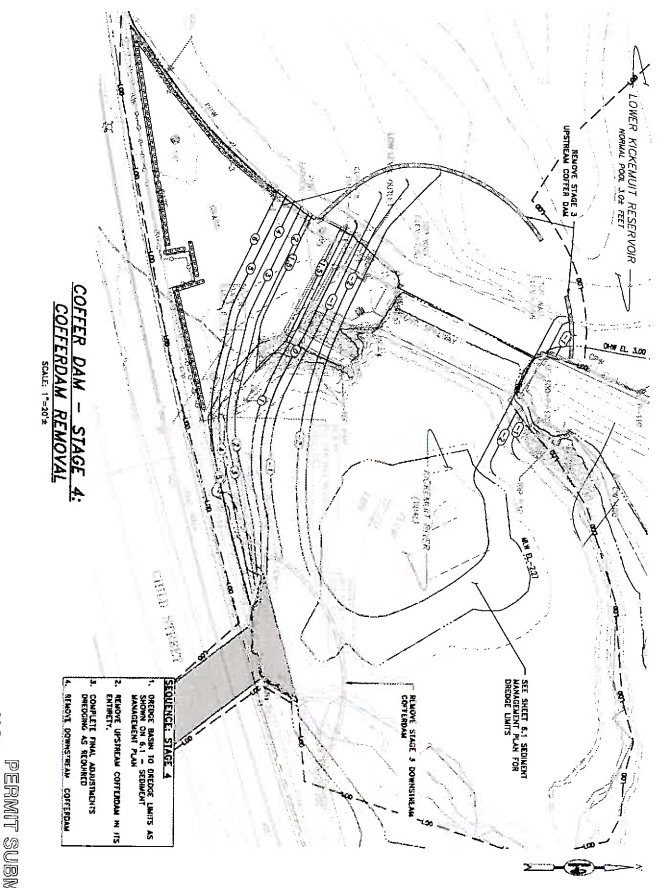
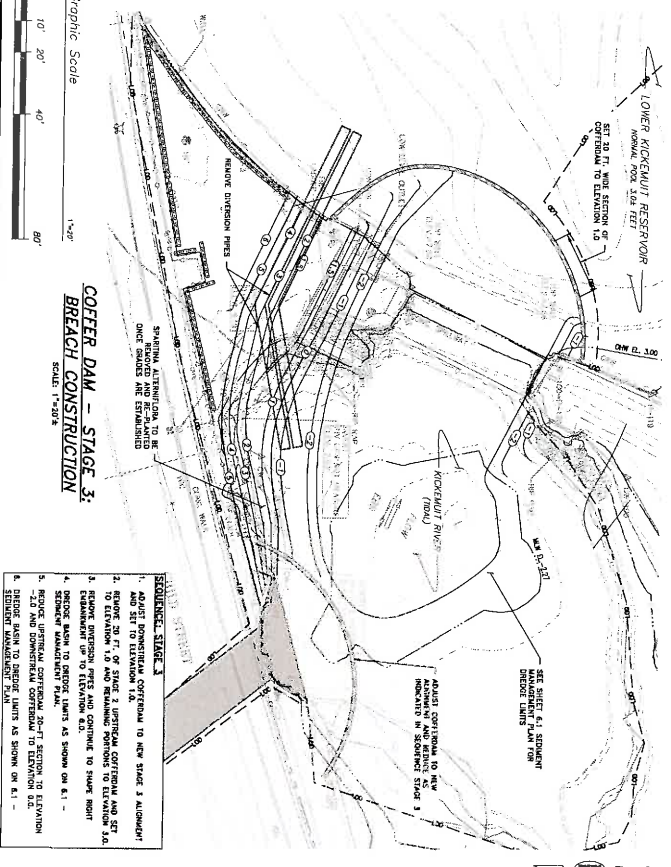
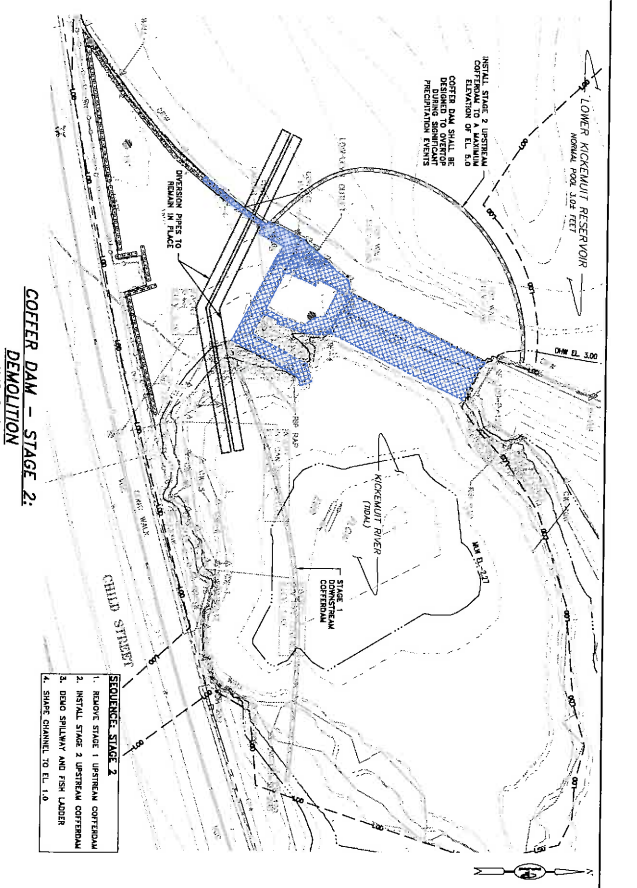
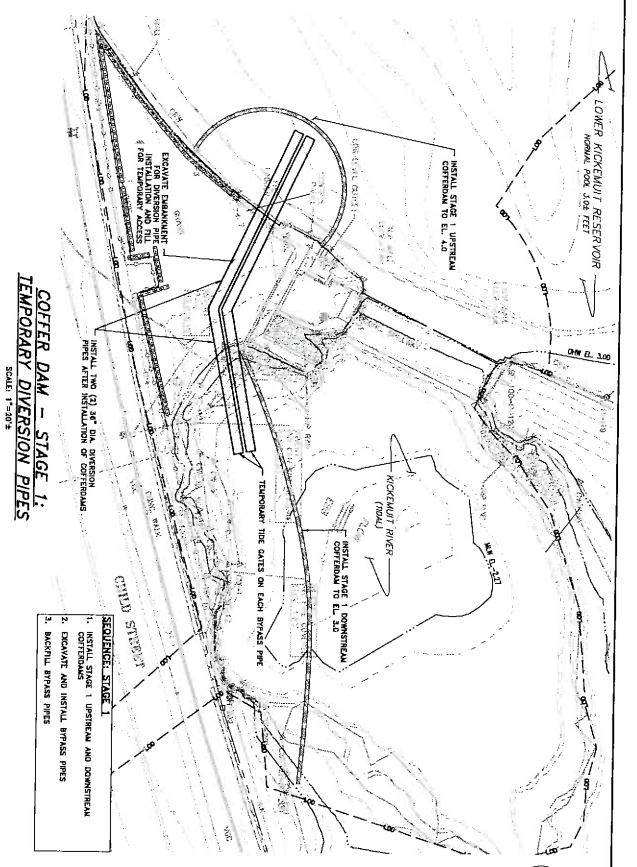


AERIAL PLAN
SCALE: 1" = 400'

RECEIVED
AUG 24 2021
Prepared by: **PAARE** CORPORATION
WARREN TOWN ENGINEERING COUNCIL

PAARE CORPORATION
Foxboro, Massachusetts





**PERMIT SUBMISSION
NOT FOR CONSTRUCTION**

LOWER KICKEMUIT RESERVOIR DAM REMOVAL
RI / 479
WARREN, RHODE ISLAND

OWNER: BRISTOL COUNTY WATER AUTHORITY

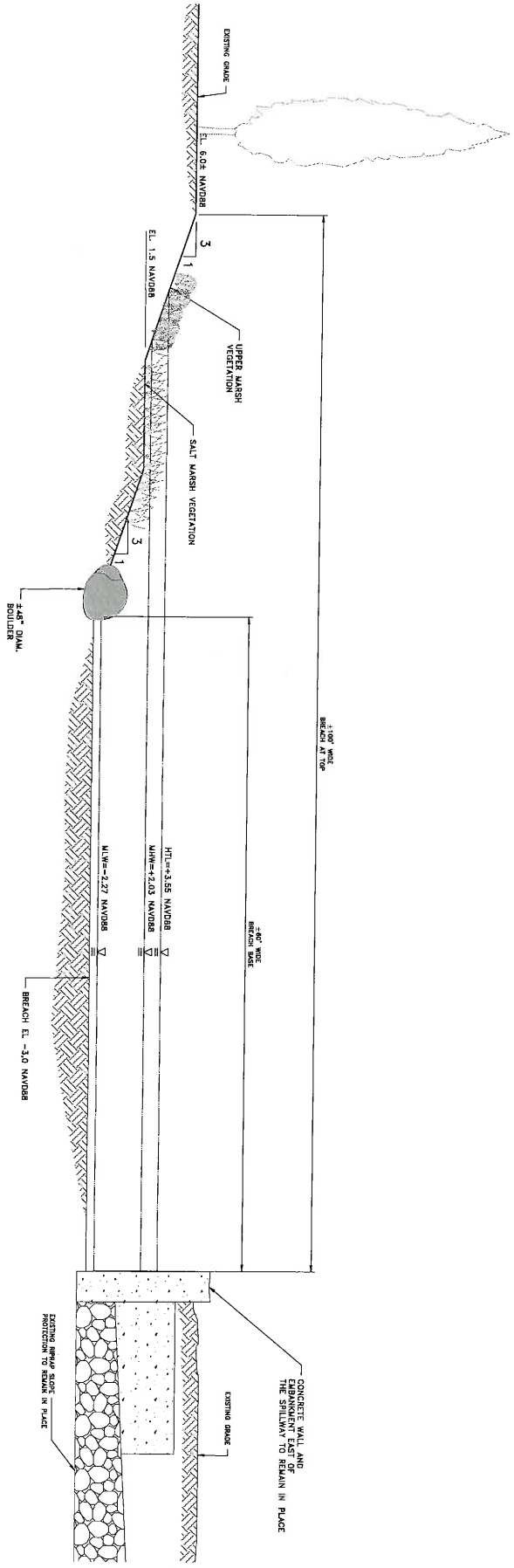
SCALE
AS SHOWN
ON EACH SHEET OR
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SCALE
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OTHER SHEETS

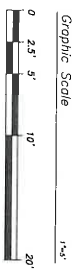
PROJECT NO. 24217.07
DATE AUGUST 2021
DESIGNED BY AS/N/O
CHECKED BY JMC
DRAWN BY JMC
APPROVED BY JMC

CONTROL
OF WATER
PLAN

SHEET NO. **2.4**
1 OF 18



SECTION A - BREACH PROFILE
SCALE: 1" = 5'



PERMIT SUBMISSION
NOT FOR CONSTRUCTION

1. LATEST REVISION

No. **7587**

REVISIONS:

NO.	DATE	DESCRIPTION

LOWER KICKEMUIT RESERVOIR DAM REMOVAL

RI / 479
WARREN, RHODE ISLAND

OWNER: BRISTOL COUNTY WATER AUTHORITY

SCALE: AS SHOWN

DATE: AUGUST 2021

DESIGNED BY: ASH

CHECKED BY: LMC

DRAWN BY: LMC

APPROVED BY: MB

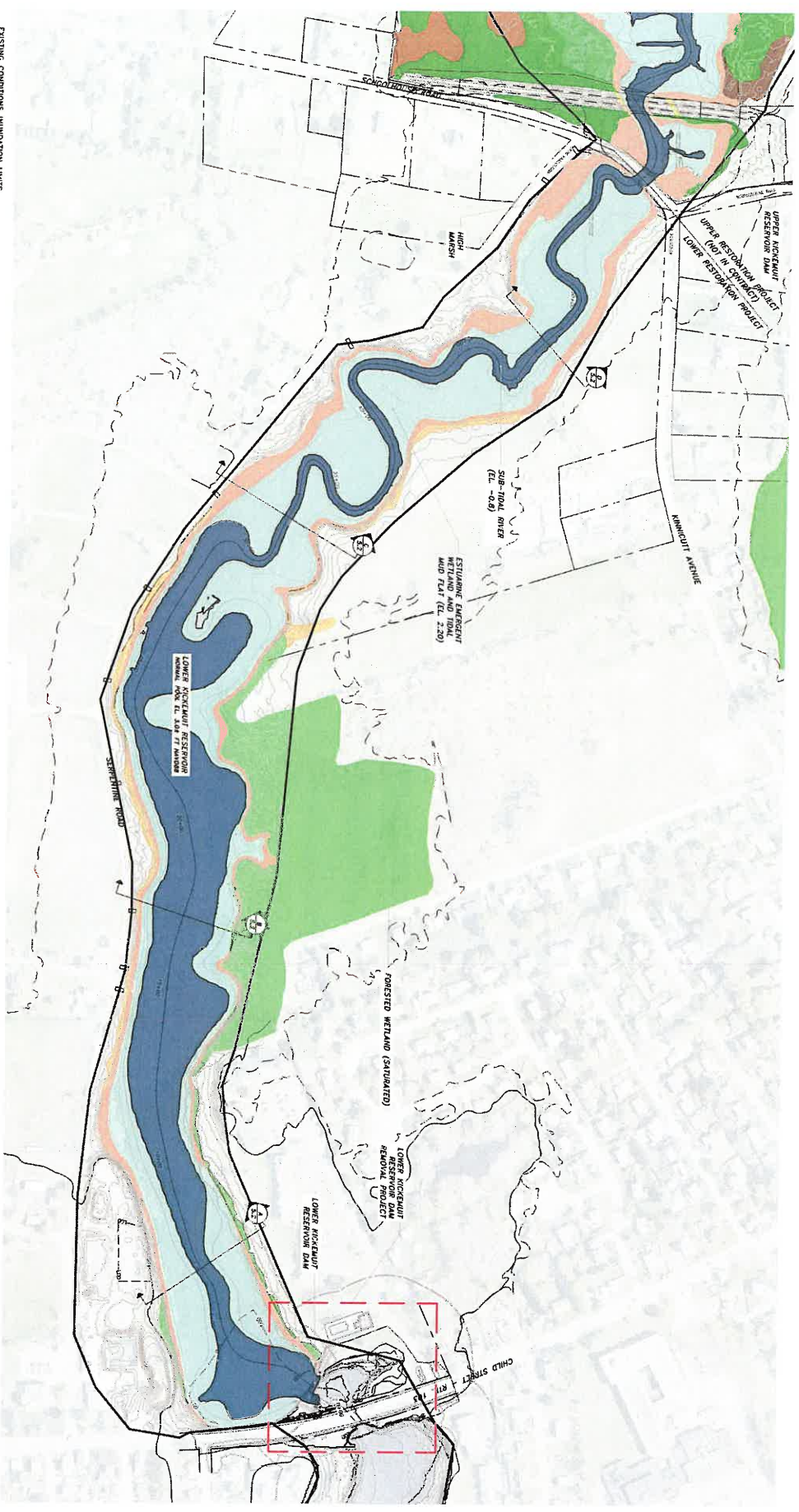
PROJECT NO.: 14217.07

SHEET NO.: **4.1**

18 OF 18



1000 STATE STREET
BRISTOL COUNTY, RHODE ISLAND 02809
PHONE: 401-421-1222



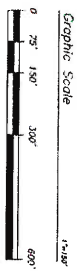
- EXISTING CONDITIONS INDICATION LIMITS
- PROPOSED WETLANDS
COMARBIN CLASSIFICATION**
- EMH1P3 - HIGH MARSH
 - FMDE - PRAIRIES
 - FR01B - FORESTED SWAMP, SATURATED
 - FR01C - FORESTED SWAMP, SEASONALLY FLOODED
 - PS01B - SHRUB WETLAND
 - PEM1E - EMERGENT CATTAIL MARSH
 - RI00B1J - RIVERINE TIDAL
 - EZ00B1S - ESTUARINE EMERGENT/ TIDAL FLAT

NOTES

1. WETLANDS TO NATURALLY RESTORE DUE TO REMOVAL OF DAMS AND FLOOD CONTROL STRUCTURES. SEE SHEET A-2 - REMOVAL PLAN FOR FURTHER INFORMATION.

PROPOSED WETLAND PLAN

SCALE: 1" = 400'



**PERMIT SUBMISSION
NOT FOR CONSTRUCTION**



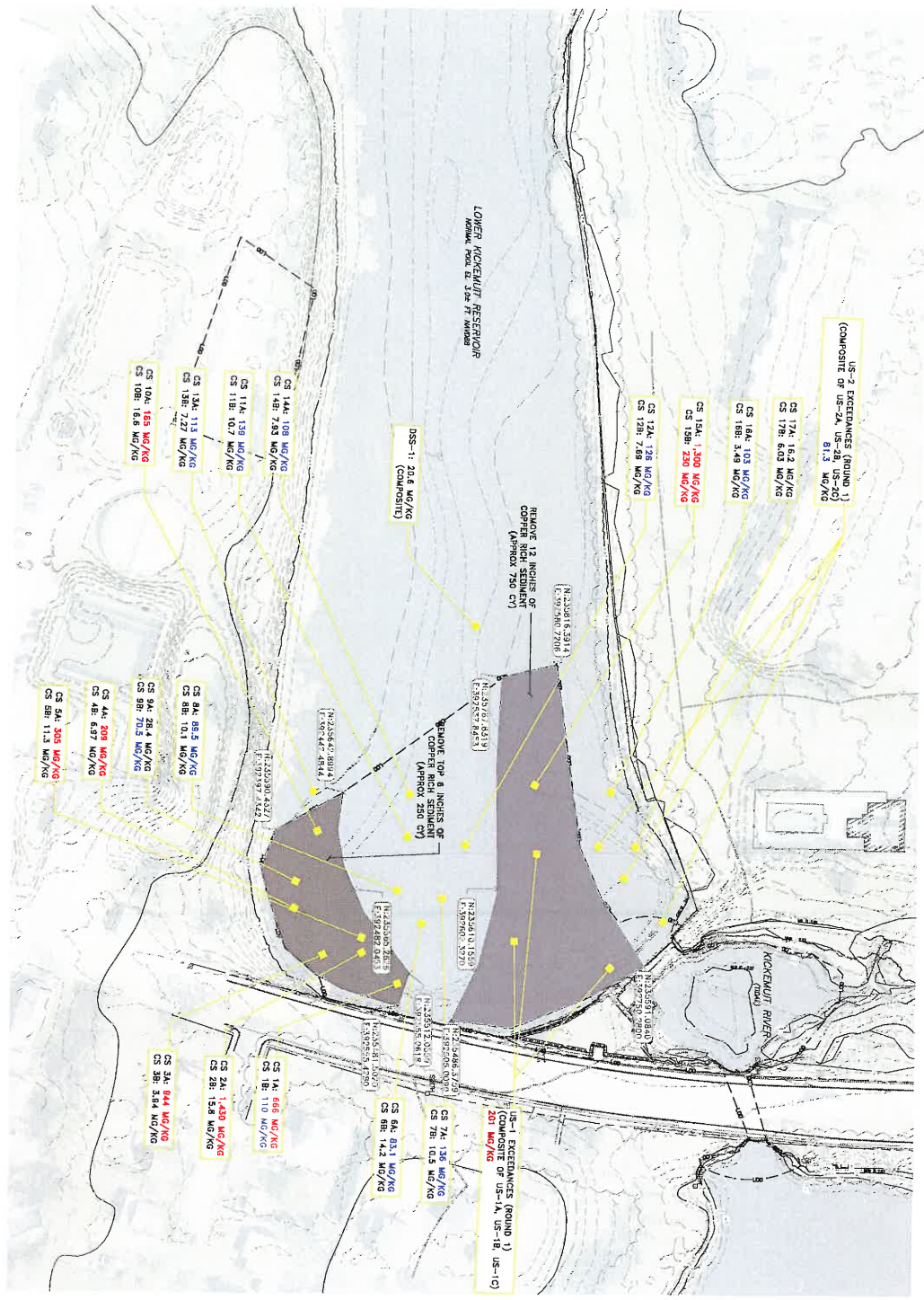
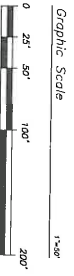
SCALE: GRAPHIC
DATE: 05/11/2011
DRAWN BY: JMB
CHECKED BY: JMB
APPROVED BY: JMB

LOWER KICKEMUIT RESERVOIR DAM REMOVAL
RI / 479
WARREN, RHODE ISLAND
OWNER: BRISTOL COUNTY WATER AUTHORITY



PROJECT NO.	1421770
DATE	05/11/2011
DESIGNED BY	JMB
CHECKED BY	JMB
DRAWN BY	JMB
APPROVED BY	JMB
PROPOSED WETLAND CONDITIONS	

SHEET NO. **5.1**
12 OF 21



IMPACTED SOIL REMOVAL PLAN
SCALE: 1"=50'

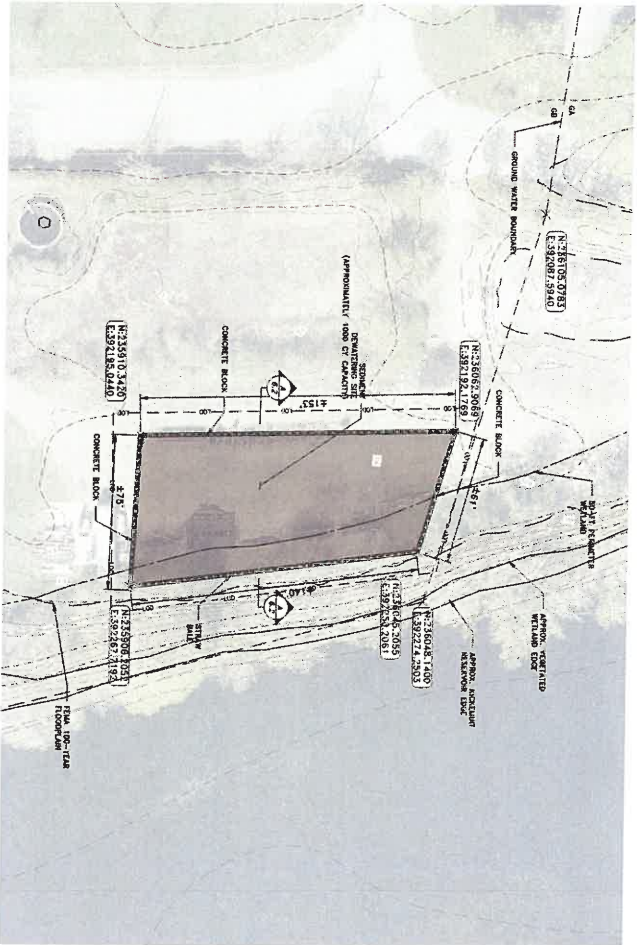
PERMIT SUBMISSION
NOT FOR CONSTRUCTION



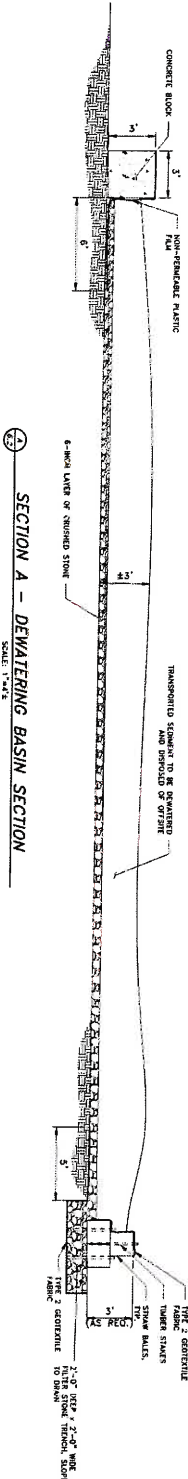
SCALE: AS SHOWN
DATE: 08/20/2011
DRAWN BY: JMK
CHECKED BY: JMK
DESIGNED BY: JMK
PROJECT NO.: 14217.07
DATE: AUGUST 2011
NO. 7587
1. WATER RELIABLE
REQUIREMENTS
NO. 7587

LOWER KICKEMUIT RESERVOIR DAM REMOVAL
RI / 479
WARREN, RHODE ISLAND
OWNER: BRISTOL COUNTY WATER AUTHORITY

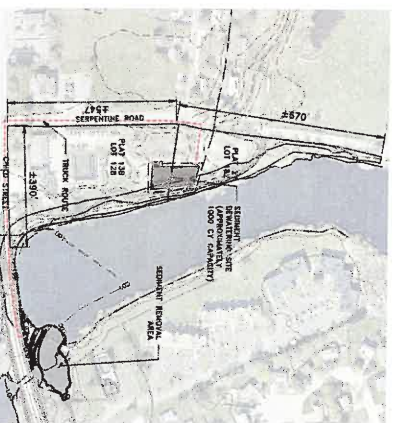
SHEET NO.: 6.0
14 OF 18



SEDIMENT DEWATERING PLAN
SCALE: 1"=400'



SECTION A - DEWATERING BASIN SECTION
SCALE: 1"=4"



SEDIMENT DEWATERING PLAN OVERVIEW
SCALE: 1"=500'

- NOTES:
1. THE VOLUME OF SEDIMENT CAPTURED WITHIN THE SEDIMENT CONTAINMENT BASIN SHALL BE QUANTIFIED AT EACH STAGE TO ESTABLISH THE SEDIMENT MOBILIZATION, SEDIMENT STABILIZATION (E.G. BASED ON THE VOLUME OF SUSPENDED SEDIMENT) SHALL BE ESTABLISHED BEFORE THE COMPLETION OF EACH STAGE OF EXCAVATION.
 2. COVER DAMS TO REMAIN IN PLACE FOR SEDIMENT MANAGEMENT. PLEASE REFER TO SHEET 2.4 - CONTROL OF WATER PLAN FOR DETAILS.
 3. THE SEDIMENT BASIN SHALL BE DREDGED AS NEEDED TO ALLOW FLOW THROUGH THE BASIN. THE BASIN WILL NEED TO BE DREDGED APPROXIMATELY EVERY 18 MONTHS TO COMPLETE CONTROLLED SEDIMENT MOBILIZATION.
 4. DREDGE SEDIMENT WILL BE TRANSPORTED OFFSITE AND STOCKPILED AT THE 6.2 - SEDIMENT DEWATERING PLAN STOCKPILED SEDIMENT MAY BE USED FOR OFFSITE MITIGATION.

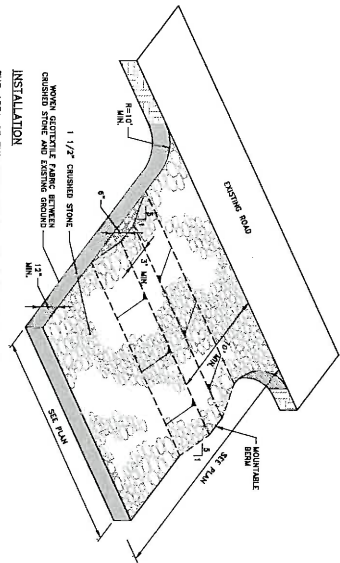
PERMIT SUBMISSION
NOT FOR CONSTRUCTION

PROJECT NO.:	14017.00
SCALE:	AS SHOWN
DESIGNED BY:	AS SHOWN
CHECKED BY:	JMB
DRAWN BY:	JMB
APPROVED BY:	JMB
SEDIMENT DEWATERING PLAN	
SHEET NO.:	6.2
16 OF 16	

LOWER KICKEMUIT RESERVOIR DAM REMOVAL
RI / 479
WARREN, RHODE ISLAND
OWNER: BRISTOL COUNTY WATER AUTHORITY

STATE APPROVED
SCALE: 1"=400'
DATE: 10/15/2024
DRAWN BY: JMB
CHECKED BY: JMB
APPROVED BY: JMB

PARE CORPORATION
 200 N. MAIN ST., SUITE 200
 BRISTOL, RI 02809
 401-863-1100



INSTALLATION

THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION, ROOTS AND OTHER OBSTACLES. THE PROPOSED ENTRANCE SHOULD BE PLACED TO THE SPECIFIED DIMENSIONS, AS NOTED.

MAINTENANCE

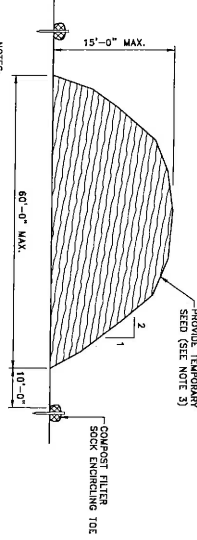
THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENTS ONTO PUBLIC RIGHT-OF-WAY. ANIMALS SHOULD BE KEPT OFF THE ENTRANCE. PERIODIC CLEANING OF ANY DEBRIS OR MATERIALS USED TO TRAP SEDIMENT. ALL RIGHT-OF-WAYS MUST BE MAINTAINED ACCESSIBLE.

LOCATION

SEE PROJECT PLANS FOR LOCATION OF CONSTRUCTION ENTRANCE.

CONSTRUCTION ENTRANCE PROTECTION STONE STABILIZATION PAD

NOT TO SCALE

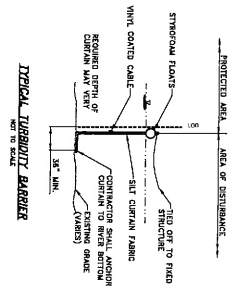


NOTES:

1. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL PREPARE A PLAN SHOWING THE PROPOSED LOCATION OF THE STABILIZATION PADS.
2. STABILIZATION AREA SHALL NOT EXCEED SPECIFIED DIMENSIONS WITHOUT APPROVAL FROM THE ENGINEER.
3. STOCKPILE EROSION CONTROL MATERIAL THAT WILL NOT BE USED FOR GREATER THAN 14 DAYS SHALL BE STABILIZED WITH "CHICKEN" SEED MIX. USE MAJOR STD. M.A.03.1 EROSION SEED.

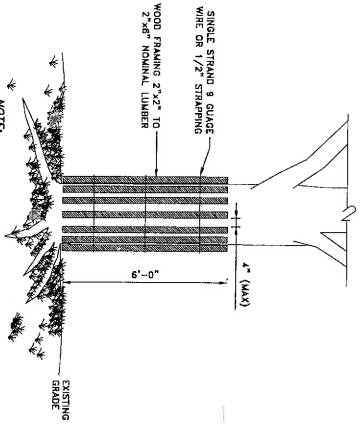
ERODIBLE MATERIAL STOCKPILE

NOT TO SCALE



TYPICAL LIABRORITY BARRIER

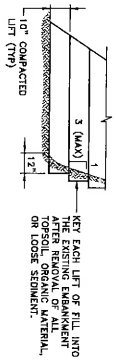
NOT TO SCALE



TREE PROTECTION DEVICE

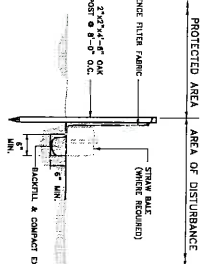
NOT TO SCALE

NOTE:
THIS DETAIL SHALL BE USED TO PROTECT THE TREE'S TRUNK IN SITUATIONS WHERE CONSTRUCTION IS IN CLOSE PROXIMITY.



PLACEMENT OF FILL MATERIALS

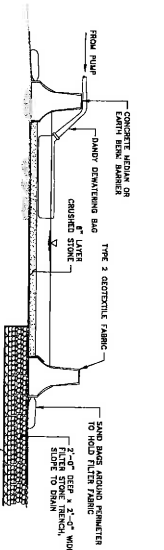
NOT TO SCALE



SILT FENCE DETAIL

NOT TO SCALE

NOTE:
SILT CURTAIN FABRIC SHALL NOT BE SILT CURTAIN FABRIC. IT SHALL BE Silt Fence Fabric.



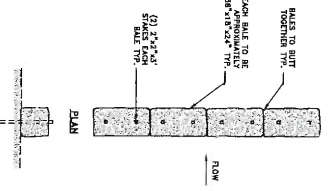
SWAMP PALE DETAIL

NOT TO SCALE

NOTE:
CONTRACTOR TO PERIODICALLY REMOVE SILT AND STONE AT TRAP POINT TO PROMPT FLOW OF WATER FROM BASIN. ALTERNATIVELY AN OUTLET WITH MAY BE SUBMITTED FOR APPROVAL.

ELIWER FABRIC DRAINAGE BASIN

NOT TO SCALE



ELEVATION

NOT TO SCALE

PERMIT SUBMISSION
NOT FOR CONSTRUCTION

1. PARTNER BRILLIANCE

No. 7887

REGISTERED PROFESSIONAL ENGINEER

LOWER KICKEMUIT RESERVOIR DAM REMOVAL

RI / 479

WARREN, RHODE ISLAND

OWNER: BRISTOL COUNTY WATER AUTHORITY

REVISIONS	DATE	BY	DESCRIPTION

PROJECT NO.	14217.01
DATE	AUGUST 2017
SCALE	AS NOTED
DESIGNED BY	AS NOTED
CHECKED BY	JMB
DRAWN BY	TNC
APPROVED BY	JMB

MISCELLANEOUS DETAILS

SHEET NO. **9.0**

18 OF 18

PAIRE

PAIRE CORPORATION
10 INDEPENDENCE STREET, SUITE 210
WARREN, RHODE ISLAND 02886
(401) 863-1333

SCALE: AS SHOWN

DATE: 08/2017

DRAWN BY: TNC

CHECKED BY: JMB

APPROVED BY: JMB