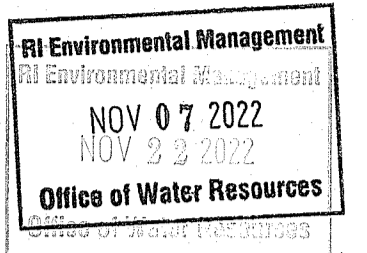


Prepared for The:
ARCTIC MILL REALTY PARTNERS, LLC
ARCTIC DAM LEAKAGE MITIGATION

33 FACTORY STREET - ASSESSOR'S MAP 16 LOT 105
RI03802

WEST WARWICK, RHODE ISLAND

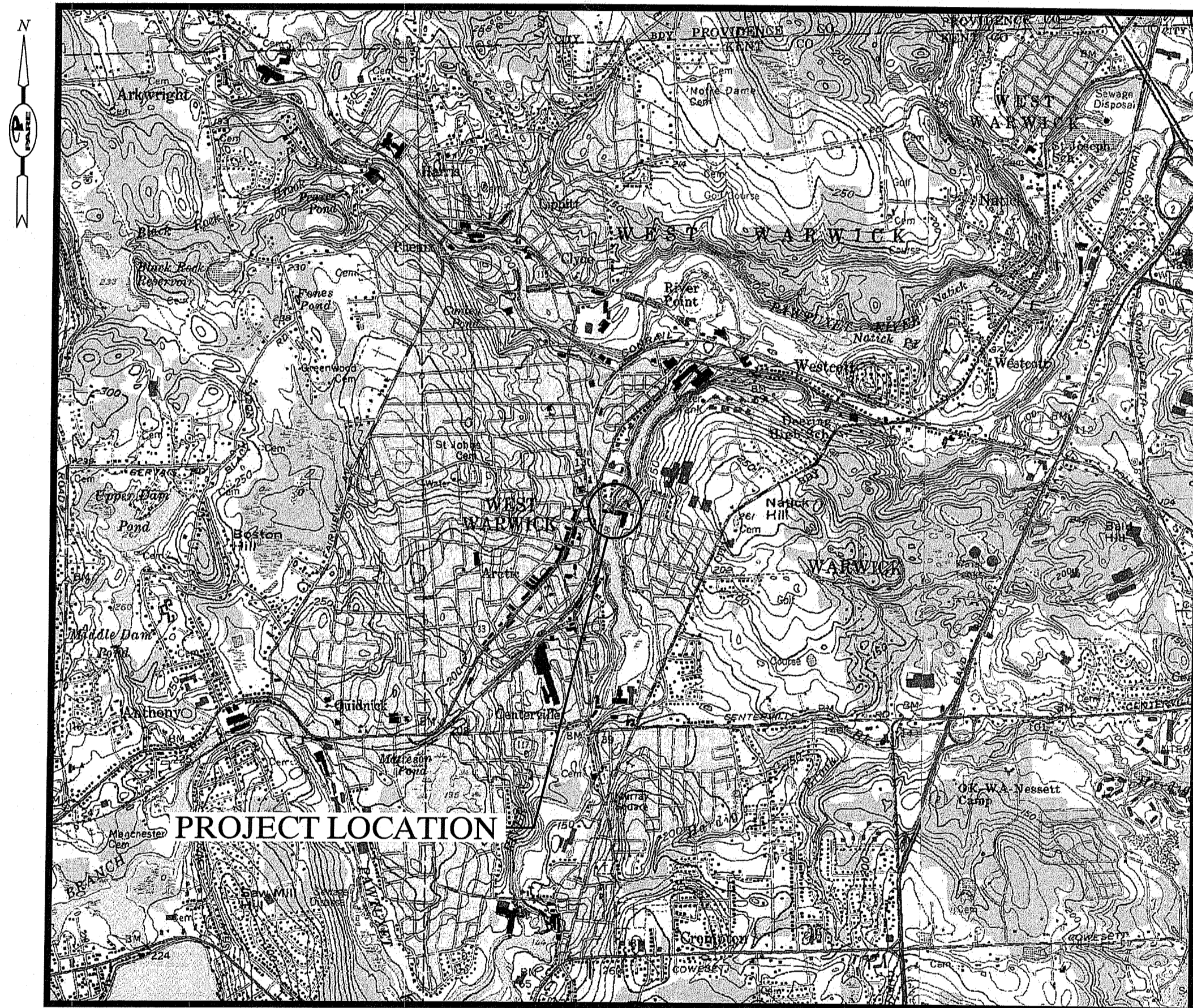


RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 26 2022 FILE # 22-0494
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Stephen D. Wenzel

NOVEMBER 2022

Drawing Index

- 0.0 COVER SHEET
- 1.0 NOTES AND LEGEND
- 2.0 EXISTING SITE PLAN
- 3.0 PROPOSED SITE PLAN
- 3.1 SECTIONS AND DETAILS

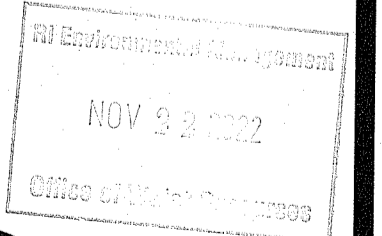
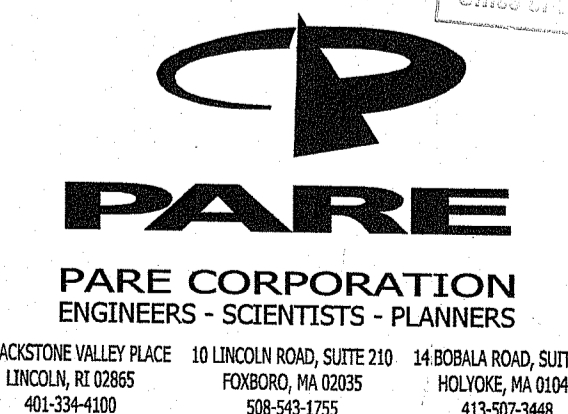
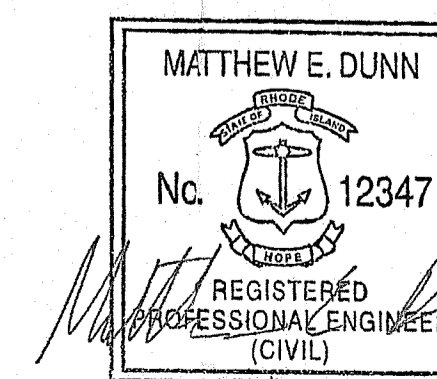


LOCUS PLAN
SCALE: 1" = 2000'



AERIAL PLAN
SCALE: 1" = 400'

Prepared by:
PARE CORPORATION
Foxboro, Massachusetts



GENERAL NOTES

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334 KNIGHT STREET, SUITE 11201
WARWICK, RI 02886
ENGINEER - PARE CORPORATION
10 LINCOLN ROAD, SUITE 210
FOXBORO, MA 02035
CONTACT - MATTHEW DUNN, P.E., PLS, CFM
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LEGEND

- 10--- EXISTING CONTOUR
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Environmental Management
NOV 22 2022
Office of Water Resources

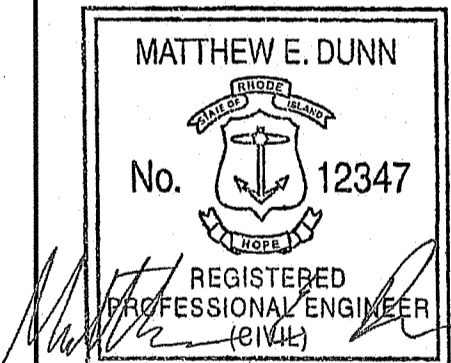
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ARCTIC DAM LEAKAGE MITIGATION
33 FACTORY STREET - ASSESSORS MAP 16 LOT 105
RI03802
WEST WARWICK, RHODE ISLAND
ARCTIC MILL REALTY PARTNERS, LLC



REVISIONS:	

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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NOTE AND LEGEND

SHEET NO.:

1.0
2 OF 5

BID DOCUMENTS
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ARCTIC DAM LEAKAGE MITIGATION

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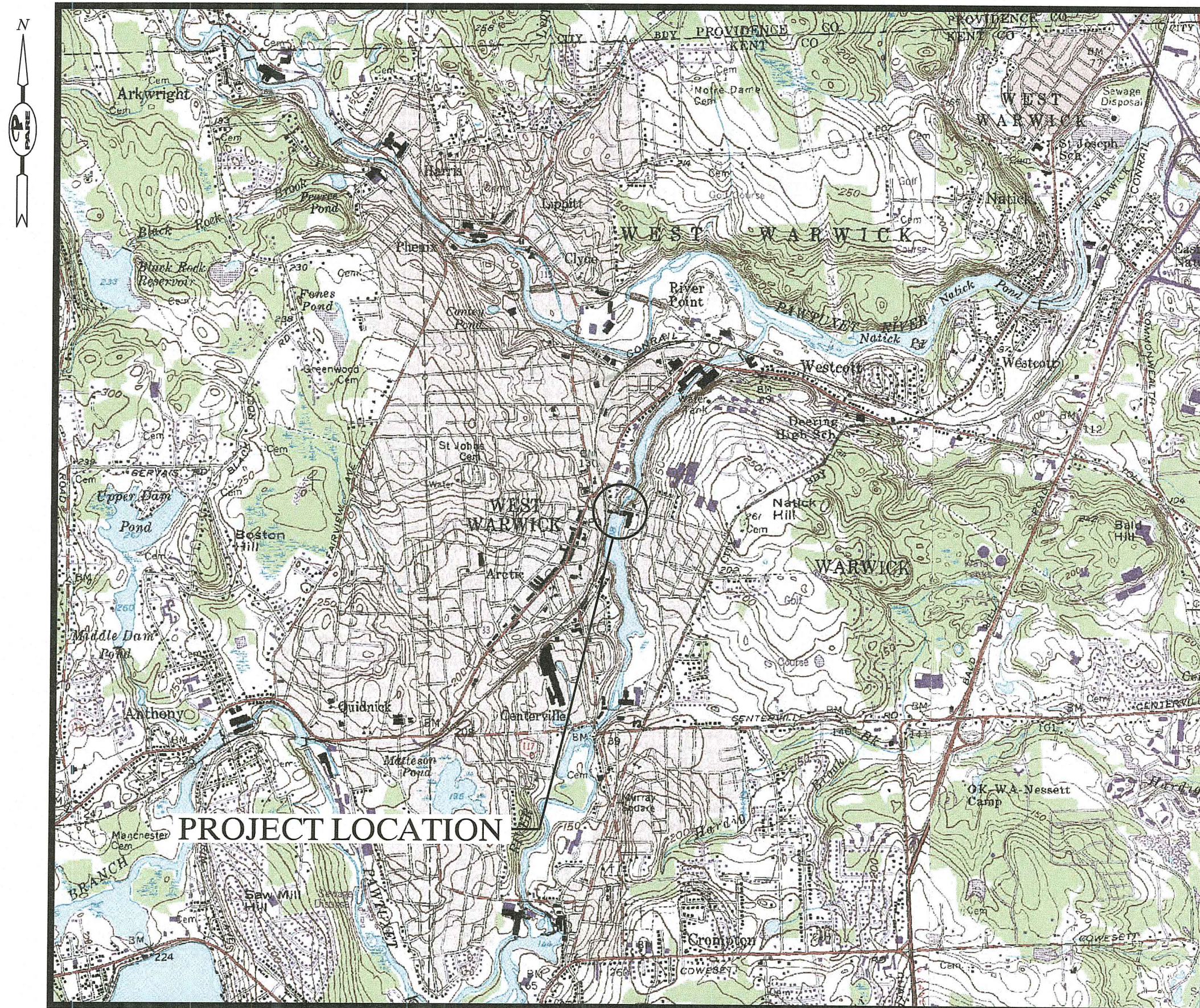
WEST WARWICK, RHODE ISLAND

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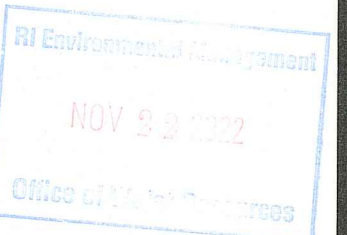
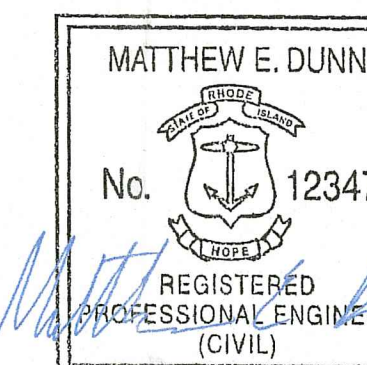


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Environmental Management
NOV 2 2 2022
Office of Water Resources

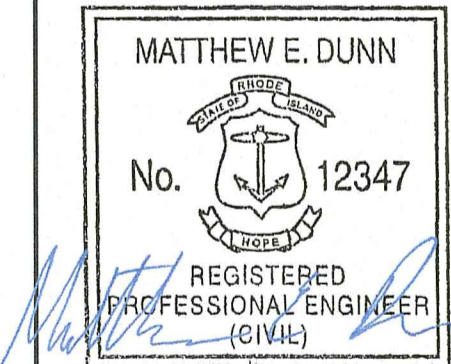
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SCALE ADJUSTMENT GUIDE
0' 1"
BAR IS ONE INCH ON ORIGINAL DRAWING.

ARCTIC DAM LEAKAGE MITIGATION
33 FACTORY STREET - ASSESSORS MAP 16 LOT 105
RI03802
WEST WARWICK, RHODE ISLAND
ARCTIC MILL REALTY PARTNERS, LLC



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Matthew D. Waneck

PROJECT NO.: 22174.00
DATE: NOVEMBER 2022
SCALE: AS NOTED
DESIGNED BY: MLP
CHECKED BY: MED
DRAWN BY: LMC
APPROVED BY: ARO

NOTE AND LEGEND

SHEET NO.: 1.0
2 OF 5

BID DOCUMENTS
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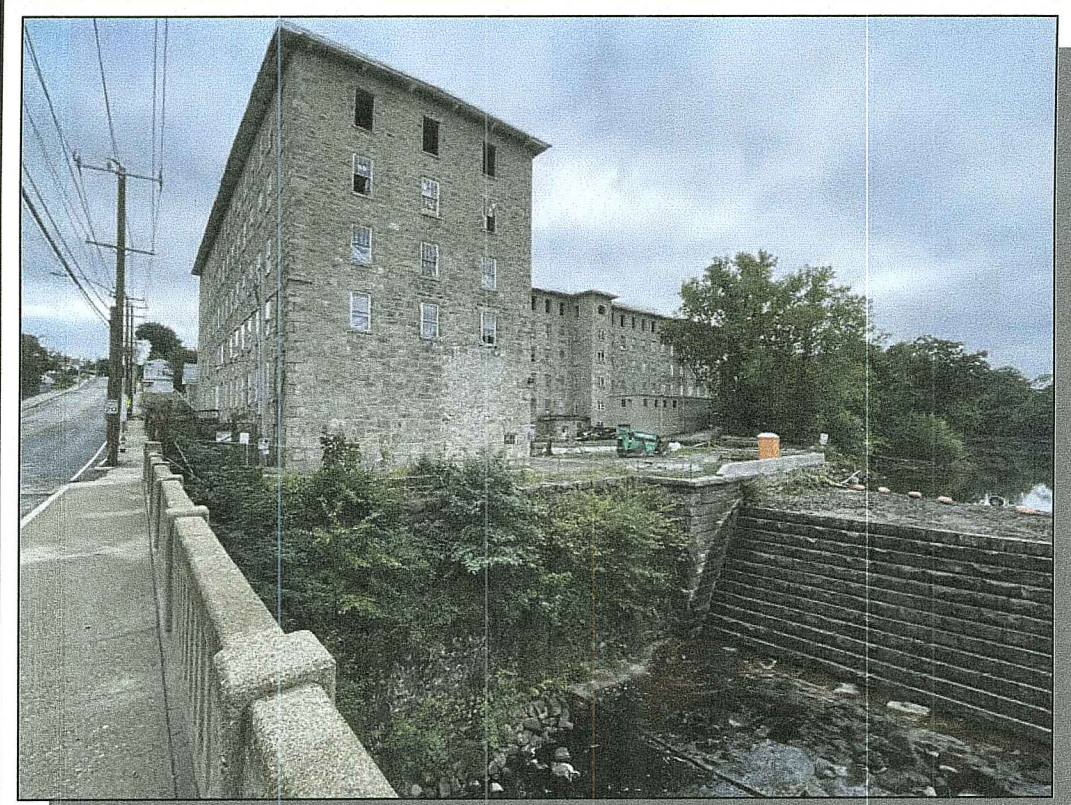


PHOTO #1



PHOTO #4

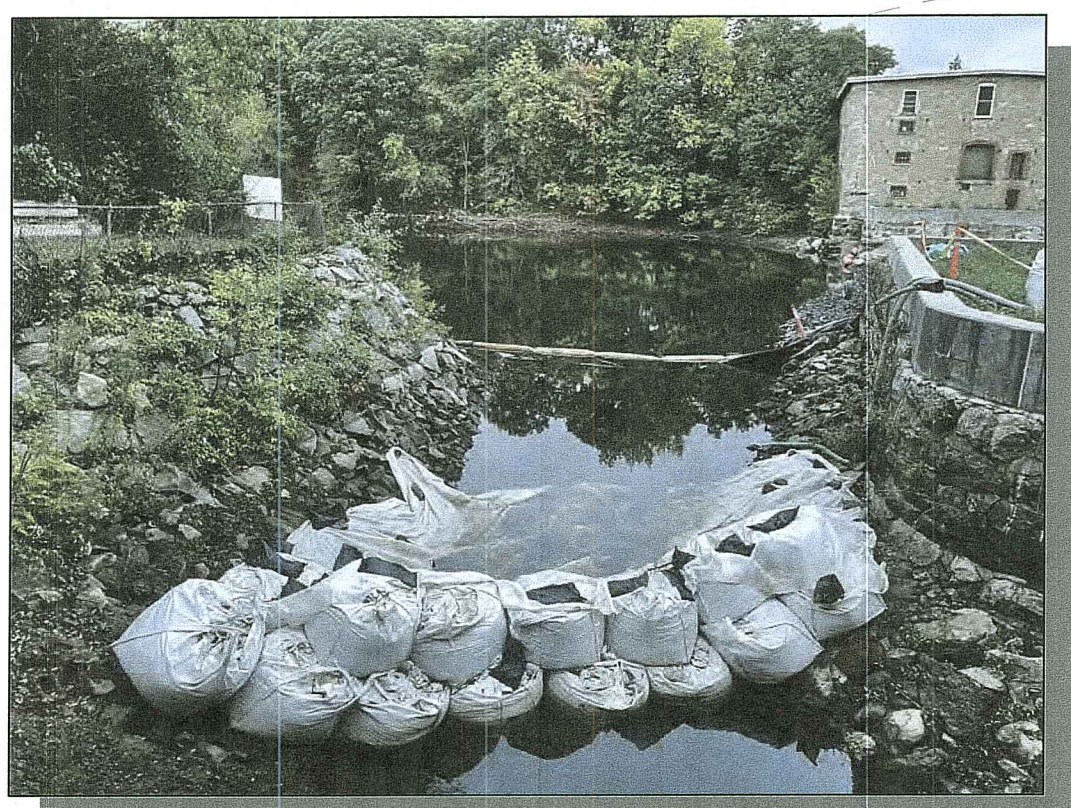
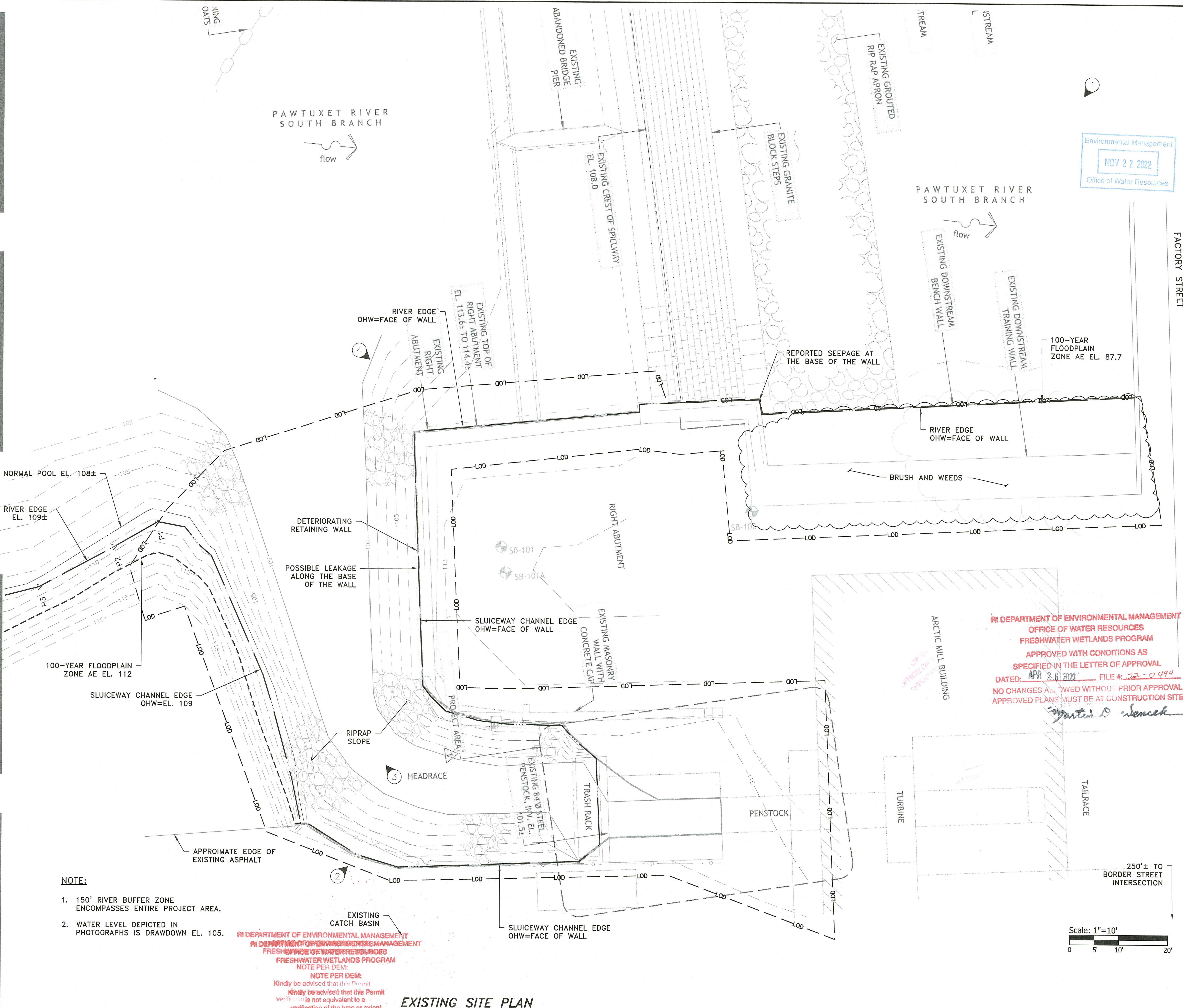


PHOTO #3



PHOTO #2




- NOTE:**
- 150' RIVER BUFFER ZONE ENCOMPASSES ENTIRE PROJECT AREA.
 - WATER LEVEL DEPICTED IN PHOTOGRAPHS IS DRAWDOWN EL. 105.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 NOTE PER DEM:
 NOTE PER DEM:
 Kindly be advised that this Permit
 verification is not equivalent to a
 verification of the type or extent
 of freshwater wetlands on site

EXISTING SITE PLAN
 SCALE: 1"=10'

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MATTHEW E. DUNN
 No. 12347
 REGISTERED PROFESSIONAL ENGINEER (CIVIL)

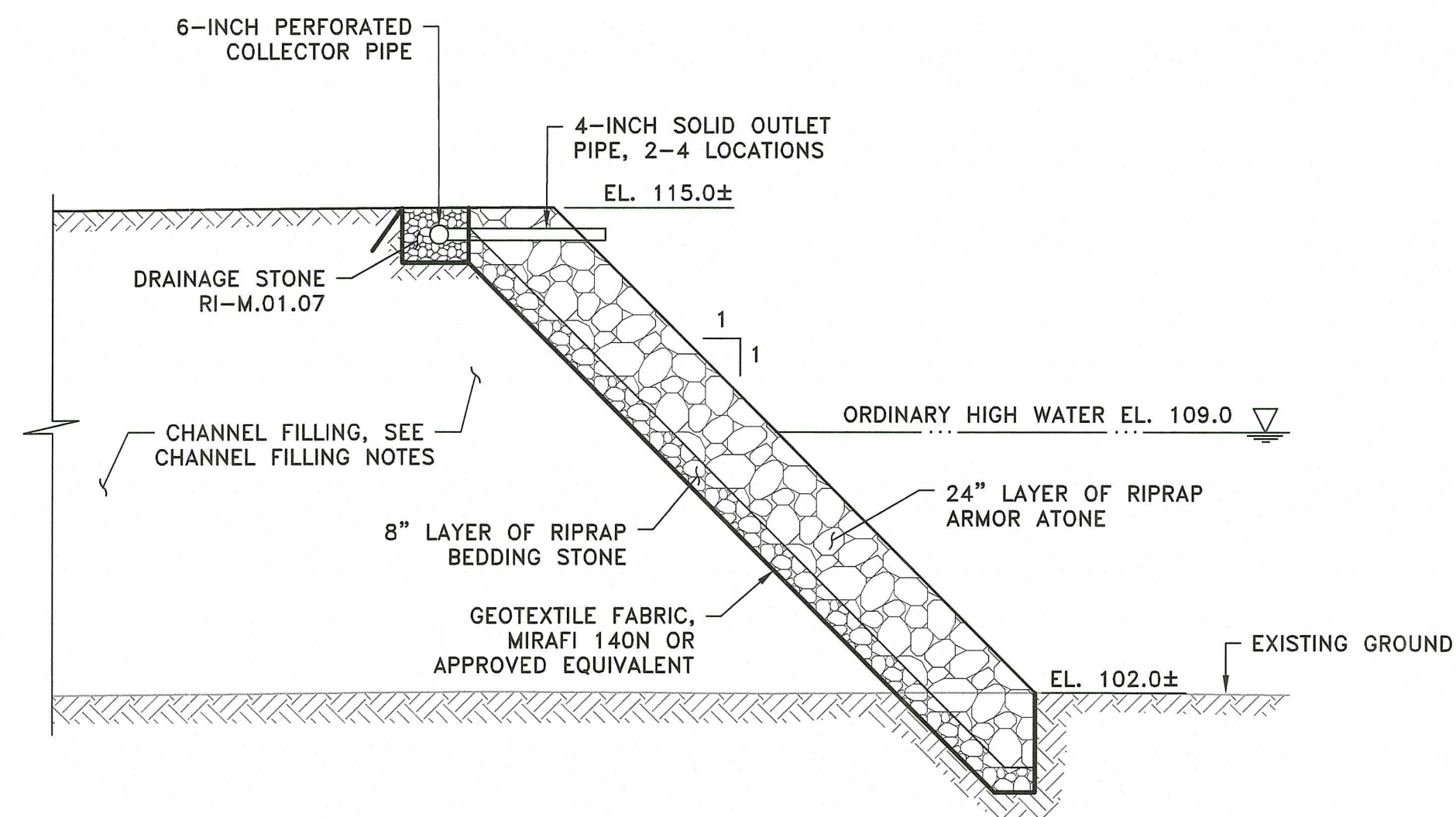
REVISIONS:	

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EXISTING SITE PLAN

SHEET NO: 2.0
 3 OF 5

BID DOCUMENTS
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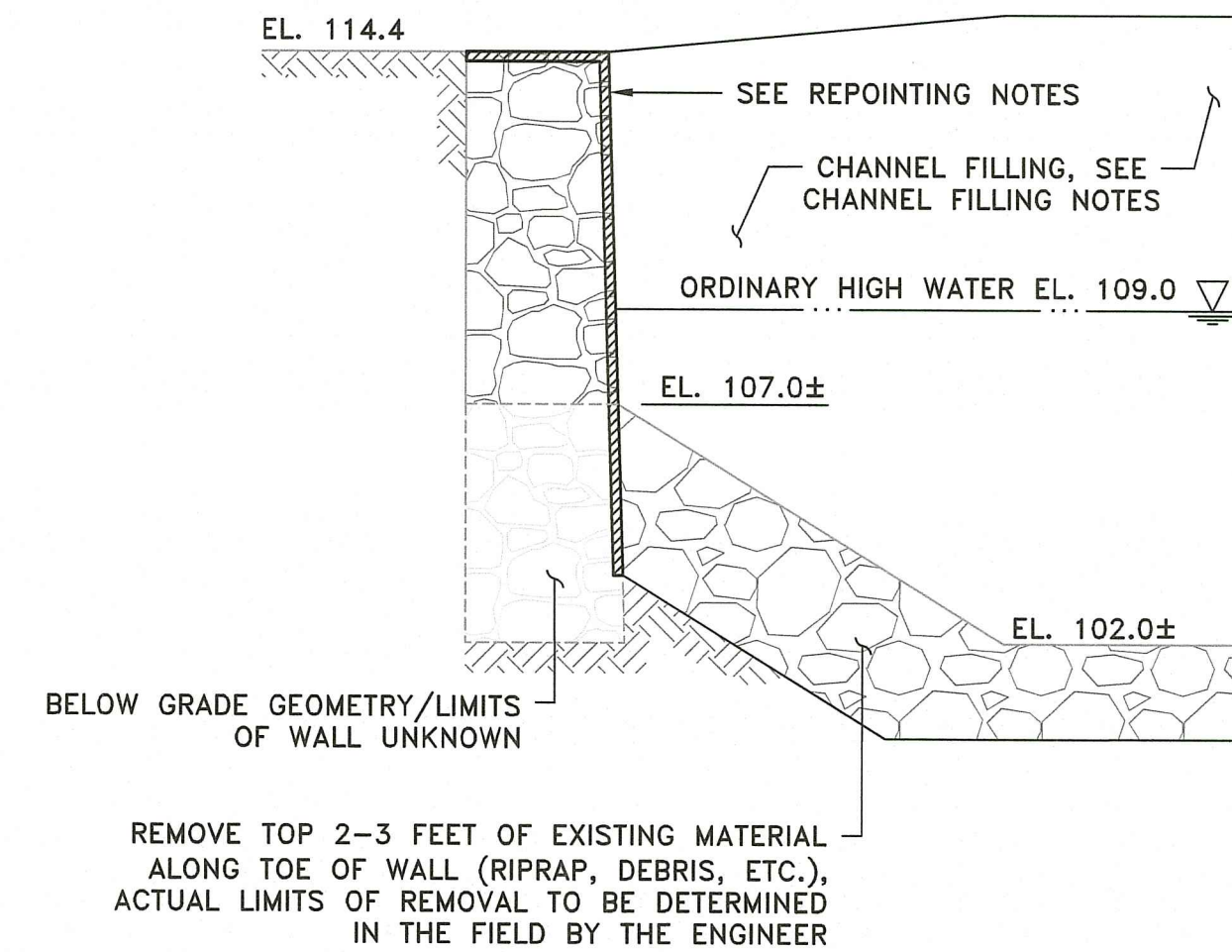
SECTION A
CHANNEL FILLING DETAILS
SCALE: 1"=4'

RIPRAP SLOPE NOTES:

1. RIPRAP BEDDING STONE SHALL BE ANGULAR RIPRAP WITH AN AVERAGE STONE DIAMETER OF 6 INCHES (3-9 INCH RANGE).
2. RIPRAP ARMOR STONE SHALL BE ANGULAR RIPRAP WITH AN AVERAGE STONE DIAMETER OF 18 INCHES (10-30 INCH RANGE).
3. THE PLACEMENT OF THE ARMOR STONE SHALL BE IN SUCH A WAY TO MINIMIZE VOIDS WITHIN THE LAYER. SMALLER ARMOR STONES AND/OR BEDDING STONE SHALL BE MACHINE AND HAND PLACED TO FILL VOID SPACE WITHIN THE LAYER.
4. THE SURFACE OF THE ARMOR STONES SHALL BE ADJUSTED AS NEEDED TO PROVIDE A NEAR FLAT SURFACE FINISH.

CHANNEL FILLING NOTES:

1. UNSUITABLE MATERIAL SUCH AS SEDIMENT, DEBRIS, NESTED BOULDERS, ETC. ALONG THE SURFACE SHALL BE REMOVED TO SUITABLE SUBGRADE MATERIAL PRIOR TO THE PLACEMENT OF GRAVEL BORROW OR THE RIPRAP SLOPE. MATERIALS REMOVAL AND SUBGRADE PREPARATION SHALL BE COMPLETED UNDER THE REVIEW OF THE FIELD ENGINEER.
2. THE WORK AREA SHALL BE SUFFICIENTLY DEWATERED TO FACILITATE THE COMPLETION OF ALL WORK IN THE DRY INCLUDING SUBGRADE PREPARATION.
3. ALL FILLING TO BE COMPLETED WITH GRAVEL BORROW MEETING THE REQUIREMENTS OF M.01.02.1 OF THE RI STANDARD SPECS.
4. PLACEMENT OF GRAVEL BORROW SHALL BE COMPLETED IN LIFTS THAT ARE GENERALLY HORIZONTAL (MINIMAL TO NO ELEVATION CHANGE THROUGHOUT THE EXTENT OF THE LIFT) AND THAT ARE LESS THAN 12 INCHES THICK IN THEIR UNCOMPACTED STATE.
5. EACH LIFT SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR TEST.
6. MATERIAL THAT IS DELIVERED TO THE SITE OR BECOMES HIGHLY SATURATED ON-SITE TO THE POINT THAT COMPACTION CANNOT BE ACHIEVED SHALL NOT BE USED FOR PLACEMENT UNTIL IT IS SUFFICIENTLY DRIED TO ACHIEVE THE COMPACTION SPECIFIED. IF SUCH MATERIAL IS IN A COMPACTED LIFT, THE MATERIAL SHALL BE REMOVED FROM THAT LIFT AND REPLACED WITH NEW MATERIAL THAT CAN ACHIEVE THE COMPACTION SPECIFIED.



EXISTING STONE WALL REPOINTING DETAIL
SCALE: 1"=4'

REPOINTING EXISTING STONE WALL NOTES

1. REMOVE EXISTING MATERIAL ALONG TOE OF WALL (RIPRAP, DERBIS, ETC.) AS SPECIFIED.
2. REMOVE ALL DEBRIS, VEGETATION, AND LOOSE MORTAR TO SOUND MORTAR AND/OR OPEN JOINT.
3. POWERWASH THE WALL SURFACE.
4. CHINK LARGE JOINTS WITH CHINKING STONES.
5. REPOINT JOINTS WITH SPEEDCRETE RED LINE OR APPROVED EQUAL.
6. CLEAN THE WALL SURFACE WITHIN THE LIMITS OF EXPOSED WALL (CLEANING OF WALL SECTION TO BE BACKFILLED IS NOT NECESSARY)

Environmental Management
NOV 22 2022
Office of Water Resources

SCALE ADJUSTMENT GUIDE
0' 1"
BAR IS ONE INCH ON ORIGINAL DRAWING.

ARCTIC DAM LEAKAGE MITIGATION
33 FACTORY STREET - ASSESSORS MAP 16 LOT 105
R103802
WEST WARWICK, RHODE ISLAND
ARCTIC MILL REALTY PARTNERS, LLC

MATTHEW E. DUNN
No. 12347
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

REVISIONS:

PROJECT NO.: 22174.00
DATE: NOVEMBER 2022
SCALE: AS NOTED
DESIGNED BY: MLP
CHECKED BY: MED
DRAWN BY: LMC
APPROVED BY: ARO

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED: APR 26 2023 FILE #: 22-0494
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Scale: 1"=4'
0 2.0' 4.0' 8.0'

BID DOCUMENTS
NOT FOR CONSTRUCTION

SECTIONS AND DETAILS

SHEET NO.: 3.1 OF 5