

NORTH AND SOUTH EASTON POND DAM REPAIR INTERIM DAM SAFETY

NORTH AND SOUTH EASTON POND · NEWPORT · RHODE ISLAND
CRMC PERMIT APPLICATION



PREPARED FOR
CITY OF NEWPORT
DEPARTMENT OF UTILITIES
70 HALSEY STREET
NEWPORT, RI 02840



SHEET INDEX

<u>SHEET No.</u>	<u>SHEET TITLE</u>
CV-001	COVER SHEET
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CS-102	PROPOSED SITE GRADING PLAN
CS-103	PROPOSED LANDSCAPE PLAN
CD-501	DETAIL SHEET



LOCATION MAP
SCALE: 1" = 1000'



REFERENCES:

1. THE TAX ASSESSOR'S MAP OF NEWPORT, NEWPORT COUNTY, MAP #11.
2. MAP ENTITLED "NATIONAL FLOOD INSURANCE PROGRAM, FIRM, FLOOD INSURANCE RATE MAP, NEWPORT COUNTY, RHODE ISLAND (ALL JURISDICTIONS) PANEL 181 OF 226," MAP NUMBER 44005C0181J, MAP REVISED: SEPTEMBER 4, 2013.

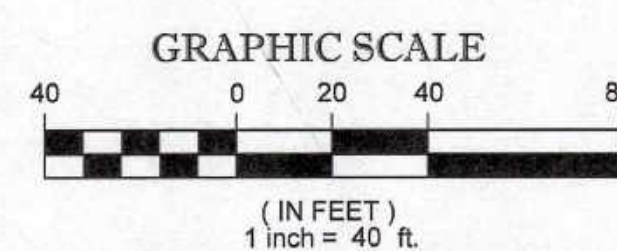
1. TYPE OF BOUNDARY SURVEY: NOT A BOUNDARY SURVEY	MEASUREMENT SPECIFICATION
2. OTHER TYPE OF SURVEY: DATA ACCUMULATION SURVEY (PLANIMETRIC SURVEY, TOPOGRAPHIC SURVEY) VERTICAL CONTROL STANDARD TOPOGRAPHIC SURVEY ACCURACY	MEASUREMENT SPECIFICATION: III IV IV

IT IS PRESUMED THAT MULTIPLE TYPES OF SURVEYS, MEASUREMENT CLASSES, AND PURPOSES MAY BE INVOLVED IN THE SAME SURVEY PLAN OR REPORT. ALL SHALL BE DISCLOSED IN THE CERTIFICATION, AND THE RESPECTIVE CONTENT DIFFERENTIATED AS APPROPRIATE.

3. THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THIS PLAN IS AS FOLLOWS:
OBTAIN TOPOGRAPHIC AND PLANIMETRIC INFORMATION FOR USE AS A BACKGROUND FOR SITE ANALYSIS AND PREPARATION.

ROBERT C. SCHULTZ, JR.
RHODE ISLAND PROFESSIONAL LAND SURVEYOR # 1988
CERTIFICATE OF AUTHORIZATION # L.S. 741

CS-101

[illegible]

ROBERT C. SCHULTZ, JR.
No. 9242
REGISTERED
PROFESSIONAL ENGINEER
CIVIL

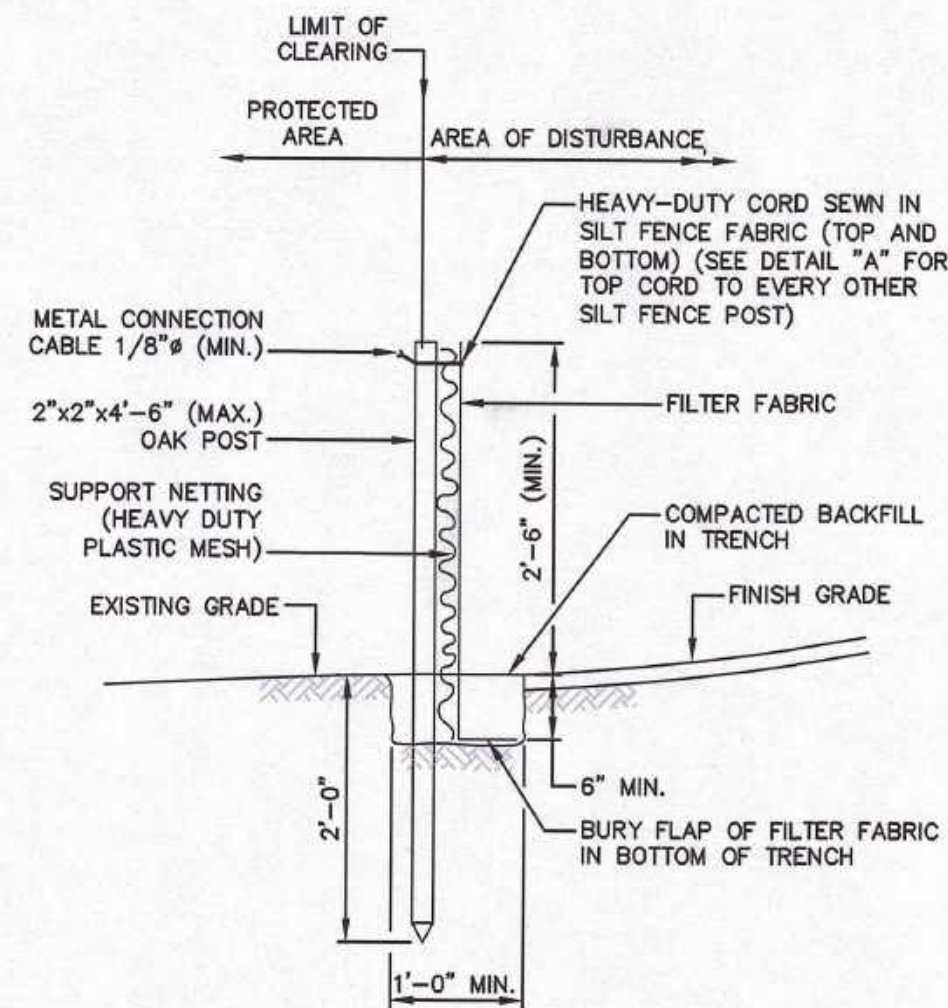


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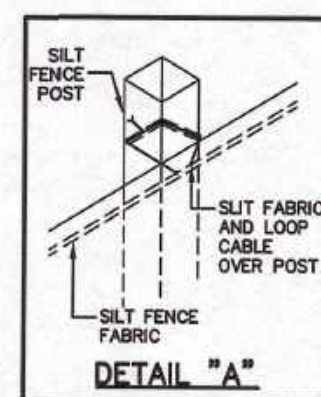


NORTH AND SOUTH EASTON POND
DAM REPAIR
100 BLISS MINE ROAD
MAP 11, LOT 731
NEWPORT, RHODE ISLAND 02840

EXISTING CONDITION PLAN

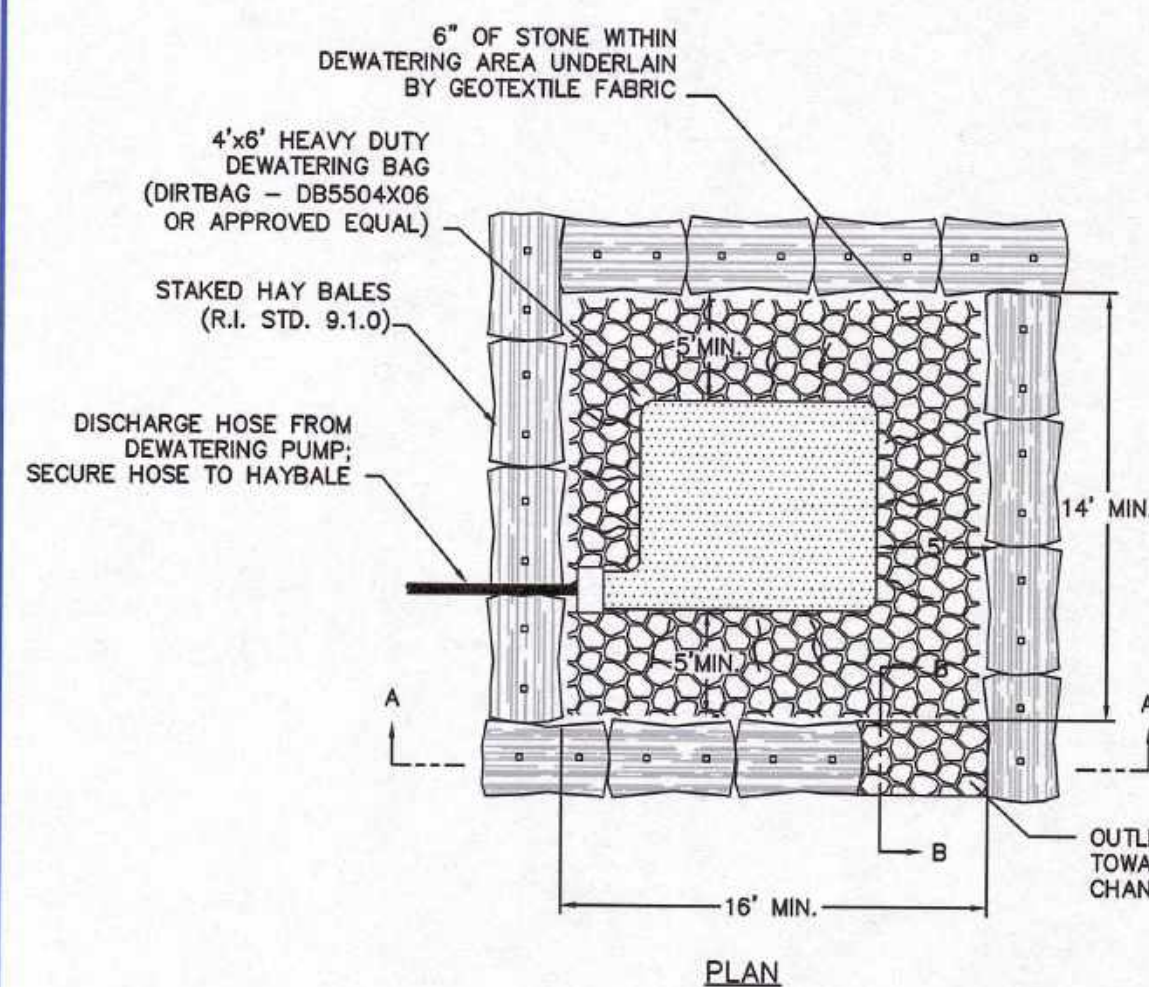


- NOTES:**
1. SHALL BE IN ACCORDANCE WITH SECTION 206 OF THE R.I. STANDARD SPECIFICATIONS.
 2. 2"x2"x4"-6" (MAX.) OAK POSTS FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAX.) O.C. IN WETLAND AREAS AND 4'-0" (MAX.) O.C. IN WETLAND RAVINE, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
 3. 1"x1"x4"-6" (MIN.) POSTS PERMITTED FOR PRE-FABRICATED SILT FENCE.
 4. SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.

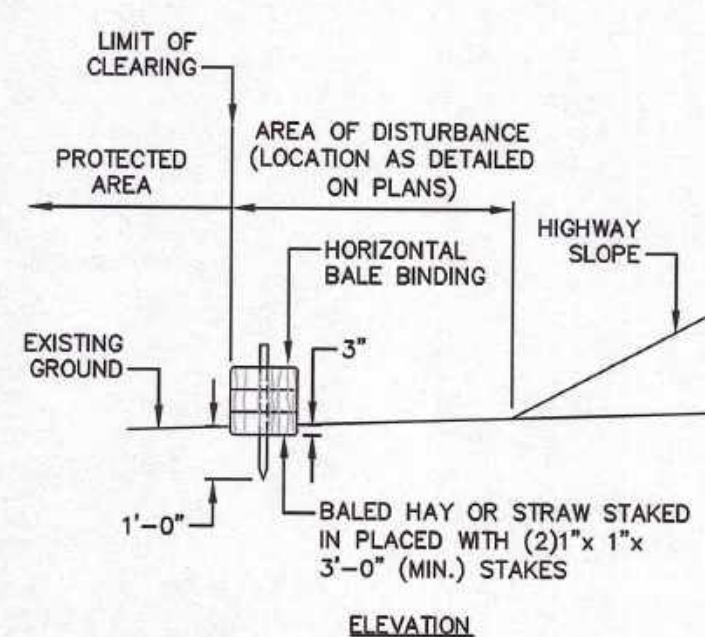
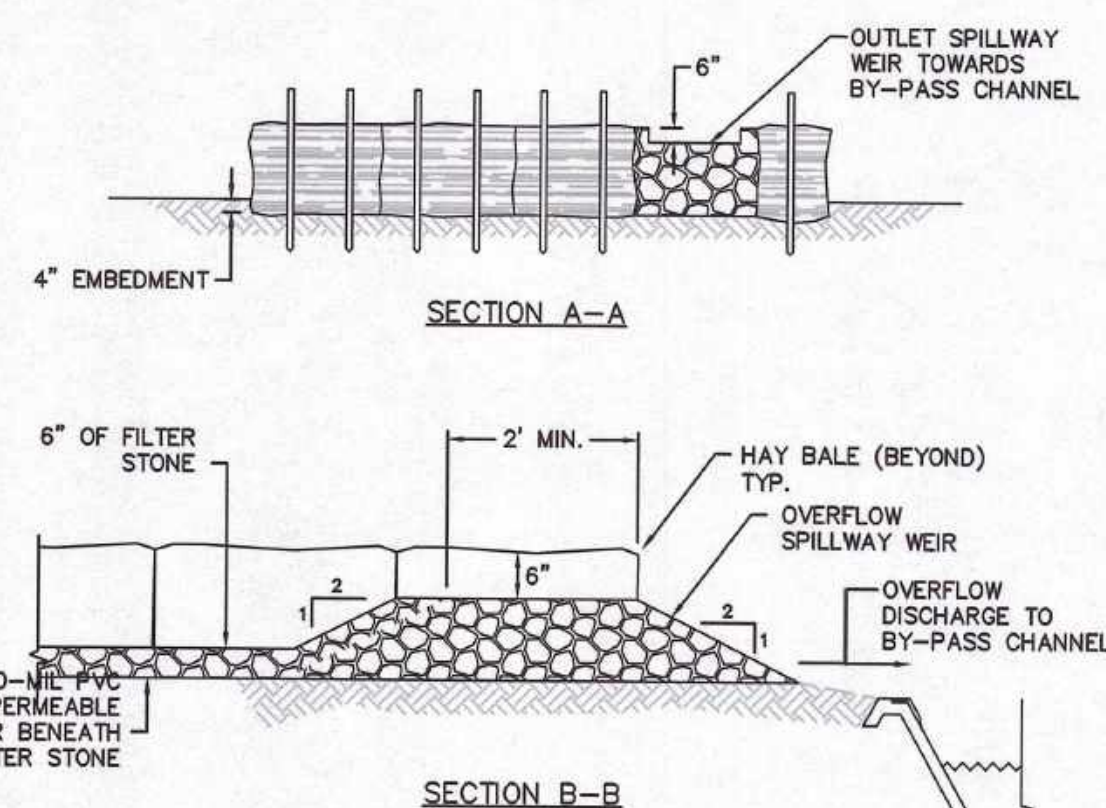


SILT FENCE DETAIL (R.I. STD. 9.2.0)

NOT TO SCALE



- NOTES:**
1. HAY BALES FOR EROSION CONTROL SHALL CONFORM TO SECTION 208 OF THE RIDOT STANDARD SPECIFICATIONS INCLUDING MATERIALS AND CONSTRUCTION METHODS.
 2. BALES OF HAY SHALL BE FASTENED WITH WIRE AND HAVE A MINIMUM SIZE OF 1'x1.5'x3'.
 3. FILTER STONE SHALL CONSIST OF 2 INCH MINUS STONE CONFORMING TO FS-2 FILTER STONE PER SUBSECTION M10.03.1 OF THE STANDARD SPECIFICATIONS.
 4. FILTER FABRIC SHALL BE A NON-WOVEN GEOTEXTILE FILTER FABRIC AND SHALL CONFORM TO SECTION 206.02.2 OF THE STANDARD SPECIFICATIONS.



- NOTES:**
1. THE DEWATERING BAG, DIRTBAG® DB55 OR APPROVED EQUAL, SHALL BE HEAVY DUTY AND CONSIST OF A NONWOVEN BAG SEWN WITH A DOUBLE NEEDLE MATCHING USING A HIGH STRENGTH THREAD.
 2. EACH DEWATERING BAG SHALL HAVE A FILL SPOUT LARGE ENOUGH TO ACCOMMODATE A 4-INCH DISCHARGE HOSE. THE BAG SHALL BE PROVIDED WITH STRAPS TO SECURE THE HOSE AND PREVENT PUMPED WATER FROM ESCAPING WITHOUT BEING FILTERED.
 3. MAINTAIN DEWATERING BAG(S) AS NECESSARY TO EFFICIENTLY FILTER SEDIMENT OR PASS WATER AT A REASONABLE RATE. USE OF EXCESSIVE FLOW RATES OR OVERFILLING DIRTBAG® WITH SEDIMENT WILL CAUSE RUPTURES OF THE BAGS OR FAILURE OF THE HOSE ATTACHMENT STRAPS.
 4. DISPOSE OF DEWATERING BAG AND CONTENTS AT OFF-SITE DISPOSAL FACILITY IN ACCORDANCE WITH THE APPROVED SOIL MANAGEMENT PLAN OR AS DIRECTED BY ENGINEER.
 5. INSTALL DEWATERING BAG AND CRUSHED STONE BEDDING WITH A SLOPE SO INCOMING WATER FLOWS DOWNHILL THROUGH THE BAG WITHOUT CREATING MORE EROSION. STRAP THE NECK OF DEWATERING BAG TIGHTLY TO THE DISCHARGE HOSE.

TEMPORARY DEWATERING BASIN WITH FILTER BAG (R.I. STD. 9.1.0)

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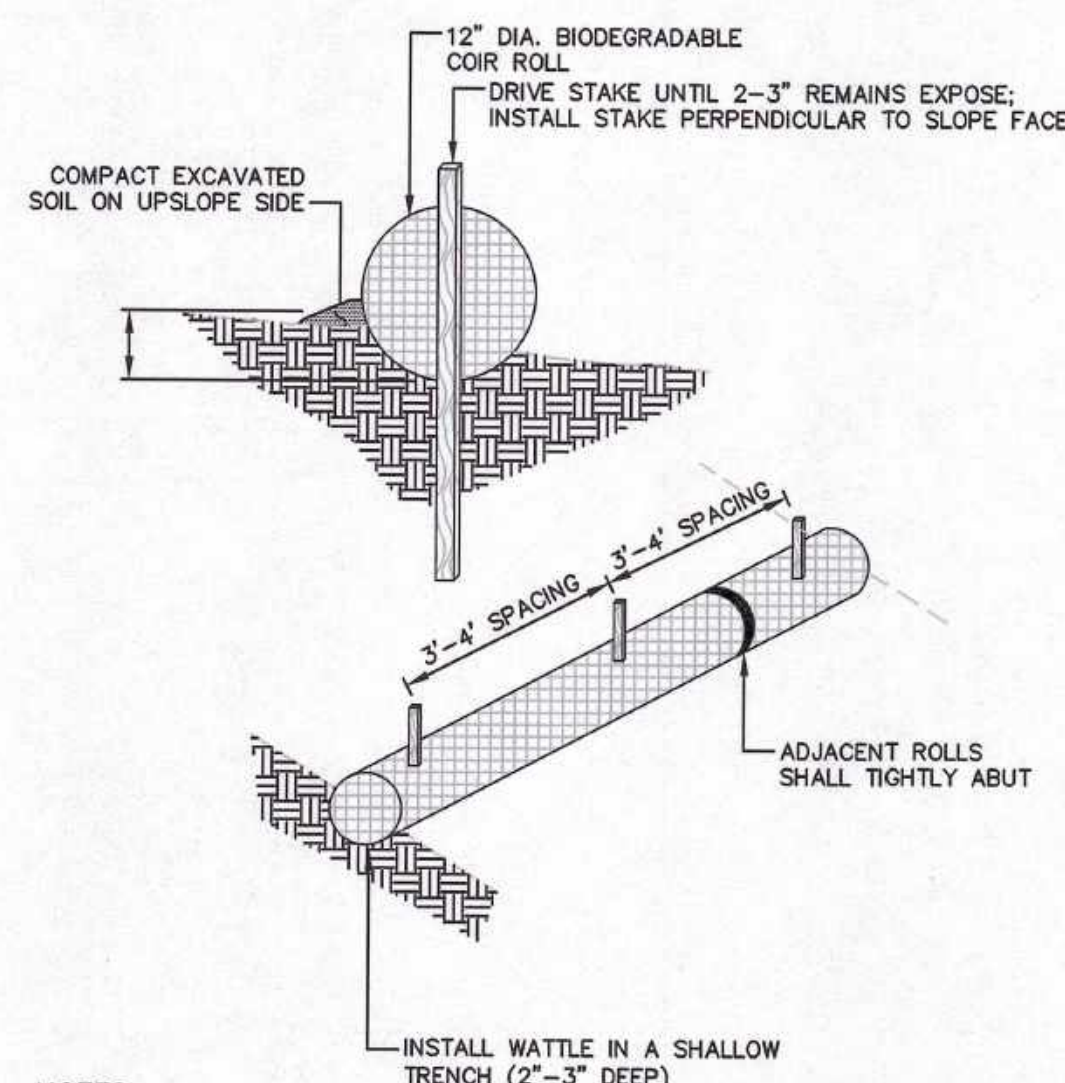


**NORTH AND SOUTH EASTON POND
DAM REPAIR**
100 BLISS MINE ROAD
MAP 11, LOT 731
NEWPORT, RHODE ISLAND 02840

CONSTRUCTION DETAILS

PROJ. NO. NSEPR-CRCM
DATE: 2-20-2025

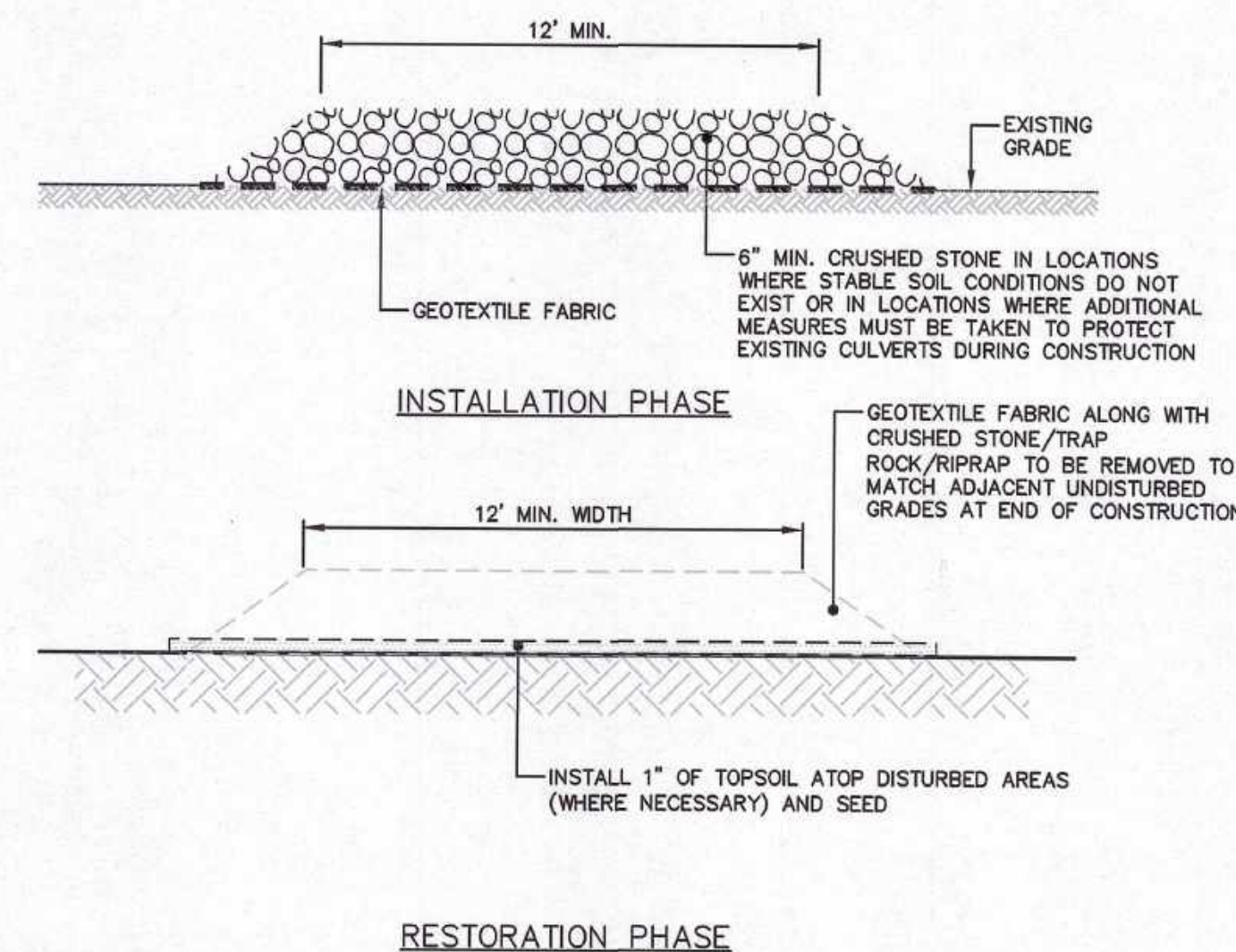
CD-501



- NOTES:**
1. BEGIN AT THE LOCATION WHERE THE COIR ROLL IS TO BE INSTALLED BY EXCAVATING A 2" TO 3" DEEP BY 9" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP-SLOPE FROM THE ANCHOR TRENCH.
 2. PLACE THE COIR ROLL IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT COIR ROLLS SHALL TIGHTLY ABUT.
 3. SECURE THE COIR ROLL WITH 36" LONG (2"x2") STAKES SPACED EVERY 3' TO 4' ON CENTER AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE COIR ROLL LEAVING AT LEAST 2" TO 3" OF STAKE EXTENDING ABOVE THE COIR ROLL. STAKES SHALL BE DRIVEN PERPENDICULAR TO THE SLOPE FACE.

BIODEGRADABLE COIR LOG

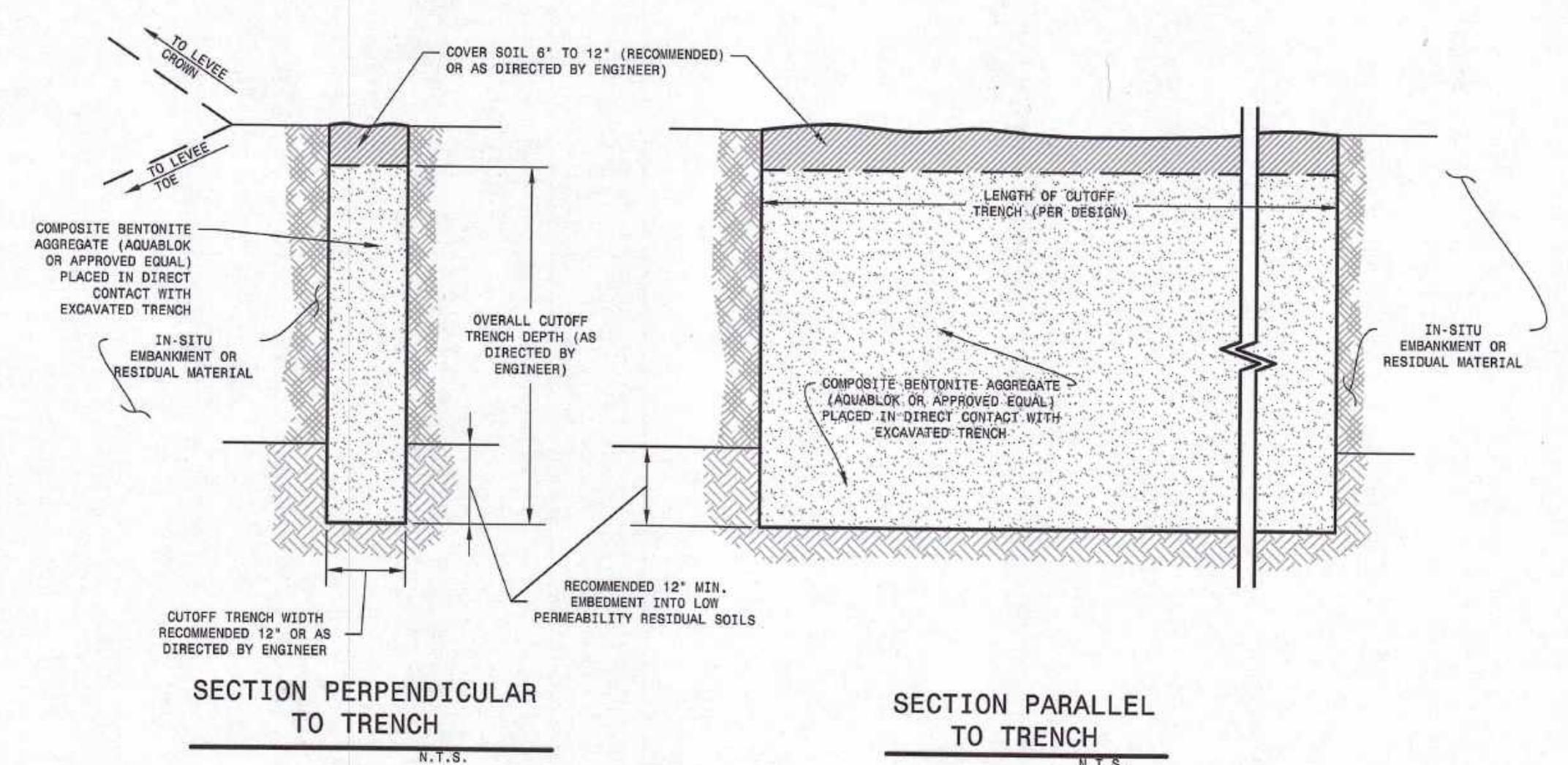
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- NOTES:**
1. PLACE ADDITIONAL CRUSHED STONE AS REQUIRED THROUGHOUT CONSTRUCTION TO MAINTAIN STABLE ACCESS IN LOCATIONS ALONG ACCESSES WHERE STABLE SOILS DO NOT EXIST OR IN LOCATIONS WHERE ADDITIONAL MEASURES MUST BE TAKEN TO PROTECT EXISTING CULVERTS DURING CONSTRUCTION.
 2. FOR WET AREAS, CONTRACTOR SHALL FURNISH AND PLACE ADDITIONAL MEASURES (E.G., SWAMP MATS, GEOGRID, GEOTEXTILE FABRIC, TRAP ROCK/RIPRAP, ADDITIONAL STONE, ETC.) AS REQUIRED TO MAINTAIN STABLE ACCESS FOR CONSTRUCTION EQUIPMENT AND VEHICLES REQUIRED TO COMPLETE WORK.
 3. IN SUCH LOCATIONS WHERE ADDITIONAL CRUSHED STONE, TRAP ROCK/RIPRAP, ETC., IS REQUIRED, INSTALL MATERIALS ATOP GEOTEXTILE FILTER FABRIC TO FACILITATE THE REMOVAL OF THIS MATERIAL PRIOR TO RESTORATION ACTIVITIES.
 4. AT END OF CONSTRUCTION AND PRIOR TO RESTORATION, REMOVE ALL GEOTEXTILE FILTER FABRIC AND STONE (I.E. THAT ABOVE ADJACENT EXISTING GROUND ELEVATION). TOP DRESS AREA WITH TOPSOIL (AS REQUIRED) AND SEED TO ESTABLISH GRASS VEGETATION.
 5. CONTRACTOR SHALL PREPARE AND SUBMIT A DETAILED CONSTRUCTION ACCESS AND MAINTENANCE PLAN INDICATING PHASING, VEHICLES/EQUIPMENT, LOCATIONS AND TYPES OF MATERIALS TO BE EMPLOYED TO CREATE AND MAINTAIN STABLE ACCESS THROUGHOUT CONSTRUCTION WHILE AVOIDING IMPACTS TO EXISTING BURIED UTILITIES AND ASSURING CONTINUED ACCESS BY OWNER TO ALL SITE FACILITIES.

TEMPORARY CONSTRUCTION ACCESS ROUTE (R.I. STD. 9.9.0)

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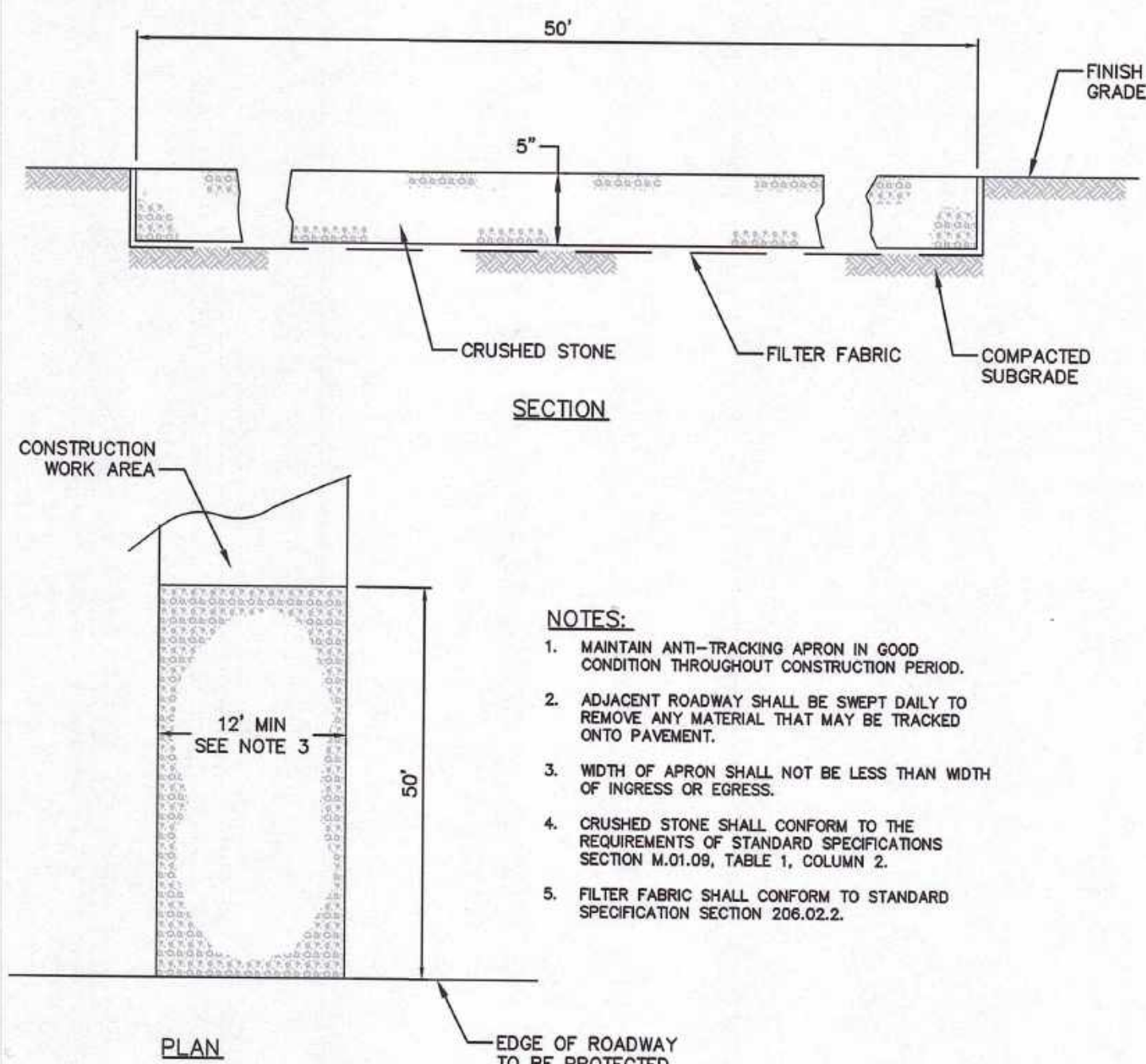
- NOTES:**
1. THE CUTOFF TRENCH DIMENSIONS SHALL BE DIRECTED BY THE ENGINEER AND DEPICTED ON THE CONSTRUCTION DRAWINGS.
 2. WHEN EXCAVATING ANY TYPE OF TRENCH, ALL PRECAUTIONS AND PROTECTIVE SYSTEMS REQUIRED BY THE OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION MUST BE EMPLOYED.
 3. NO MORE TRENCH LENGTH SHOULD BE EXCAVATED THAN CAN BE FEASIBLY BACKFILLED AND COVERED WITHIN ONE DAY.
 4. TRENCHES WIDER THAN 12 INCHES ARE RECOMMENDED FOR COMPOSITE BENTONITE AGGREGATE (AQUABLOK) PLACEMENT IN LIFTS OF 12 INCHES OR MORE IN DEPTH.
 5. THE TRENCH DEPTH SHOULD EXTEND A MINIMUM OF 12 INCHES VERTICALLY INTO LOW PERMEABILITY RESIDUAL SOIL.
 6. SOIL COVER ABOVE TRENCH TO FINISH GRADE SHALL BE DIRECTED BY ENGINEER, WITH 6 IN. TO 12 IN. RECOMMENDED.
 7. SEE DAM / LEVEE ENHANCEMENT APPLICATION TECH SHEET BY AQUABLOK, LTD. FOR MORE INFORMATION.



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CUTOFF (CORE) TRENCH DETAIL FOR SEEPAGE CONTROL/ENHANCEMENT OF LEVEES/DAMS (NOT TO SCALE)

PROJECT NO.: A0105
CADD FILE: A0105.100.0037
SUBMITTAL DATE: FEBRUARY 2021
PLOT DATE: 2/12/2021



- NOTES:**
1. MAINTAIN ANTI-TRACKING APRON IN GOOD CONDITION THROUGHOUT CONSTRUCTION PERIOD.
 2. ADJACENT ROADWAY SHALL BE SWEEP DAILY TO REMOVE ANY MATERIAL THAT MAY BE TRACKED ONTO PAVEMENT.
 3. WIDTH OF APRON SHALL NOT BE LESS THAN WIDTH OF INGRESS OR EGRESS.
 4. CRUSHED STONE SHALL CONFORM TO THE REQUIREMENTS OF STANDARD SPECIFICATIONS SECTION M.01.06, TABLE 1, COLUMN 2.
 5. FILTER FABRIC SHALL CONFORM TO STANDARD SPECIFICATION SECTION 206.02.2.

CONSTRUCTION ACCESS (R.I. STD. 9.9.0)

NOT TO SCALE