

LEGEND

	EXIST	PROP		EXIST	PROP
TOP/BOTTOM CURB ELEVATION	27.85 TC 27.15 BC*	27.85 TC 27.15 BC*	PROPERTY LINE	---	---
SPOT GRADE w/LEADER	21.25 X	21.25 X	EASEMENT	---	---
SPOT GRADE	21.25 X	21.25 X	BUILDING SETBACK	---	---
BORING LOCATION	⊕B-1	⊕B-1	GRAVEL ROAD	---	---
TEST PIT LOCATION	⊕TP-1	⊕TP-1	EDGE OF PAVEMENT	---	---
MONITORING WELL	⊕MW-1	⊕MW-1	BITUMINOUS CURB	---	---
BENCH MARK	⊕	⊕	CAPE ODD BERM	---	---
DRAIN MANHOLE	⊙	⊙	PRECAST CONC. CURB	---	---
CATCH BASIN	⊕CB	⊕CB	VERT. GRAN. CURB	---	---
DOUBLE CATCH BASIN	⊕DCB	⊕DCB	LIMIT OF CURB TYPE	---	---
FLARED END SECTION	FESB	FESB	SAWCUT	---	---
DRAINAGE LINE	---	---	MATCHLINE	---	---
OVERHEAD WIRE	---	---	STOP LINE	---	---
WATER LINE	---	---	STEEL GUARD RAIL	---	---
FIRE PROTECTION LINE	---	---	WOOD GUARD RAIL	---	---
GAS LINE	---	---	PATH	---	---
UNDERGROUND ELECTRIC	---	---	TREE LINE	---	---
UNDERGROUND TELEPHONE	---	---	CHAIN LINK FENCE	---	---
FIRE ALARM	---	---	STONE WALL	---	---
CABLE TV	---	---	RETAINING WALL	---	---
PLUG/STUB	---	---	SILT FENCE	---	---
SEWER MANHOLE	⊙SMH	⊙SMH	STRAW WATTLE	---	---
SEWER LINE	---	---	LIMIT OF DISTURBANCE	---	---
WATER GATE	---	---	MINOR CONTOUR	---	---
TAPPING SLEEVE, VALVE, & BOX	TSV	TSV	MAJOR CONTOUR	---	---
FIRE HYDRANT	⊙FH	⊙FH	BUILDING	---	---
WELL	⊙	⊙	BOLLARD	---	---
GAS GATE	---	---	DUMPSTER PAD	---	---
ELECTRIC MANHOLE	⊙EMH	⊙EMH	SIGN	---	---
SINGLE LIGHT POLE	---	---	DOUBLE SIGN	---	---
DOUBLE LIGHT POLE	---	---	PARKING COUNT	---	---
TRIPLE LIGHT POLE	---	---	CONC. PAVEMENT	---	---
QUAD LIGHT POLE	---	---	STANDARD DUTY PAVEMENT HEAVY	---	---
TELEPHONE MANHOLE	⊙TMH	⊙TMH	DUTY PAVEMENT	---	---
TRANSFORMER PAD	⊕	⊕	ADA PARKING	---	---
LOD STAKE	---	---	50' PERIMETER WETLAND	---	---
UTILITY POLE	---	---	100' RIVERBANK WETLAND	---	---
GUY POLE	---	---	200' RIVERBANK WETLAND	---	---

ABBREVIATIONS

ABANDON	ADJUST	AMERICAN SOCIETY FOR TESTING & MATERIALS	AMERICANS WITH DISABILITIES ACT	APPROXIMATE	BITUMINOUS CURB	CAPE ODD BERM	COLUMN	ELEVATION	EXISTING	FRAME AND COVER	FRAME AND GRATE	HIGH DENSITY POLYETHYLENE	HYDRANT	INVERT ELEVATION	LANDSCAPE AREA	MAXIMUM
ABAN	ADJ	ASTM	ADA	APPROX	BCC	COB	COL	ELEV	EXIST	F&C	F&G	HDPE	HYD	INV	LA	MAX
MINIMUM	NOT TO SCALE	ON CENTER	POLYVINYLCHLORIDE PIPE	PRECAST CONCRETE CURB	PROPERTY LINE	PROPOSED	RADIUS	REMOVE AND DISPOSE	REMOVE AND RESET	REMOVE AND STORE	TAPPING SLEEVE, VALVE AND BOX	TRANSITION	TYPICAL	UTILITY POLE	VERTICAL GRANITE CURB	WATER GATE
MIN	NTS	OC	PVC	PCC	PL	PROP	R	R&D	R&R	R&S	TSV&B	TRANS	TYP	UP	VOC	WG

Temporary Sediment Trap Calculations

	TRAP #1	TRAP #2	TRAP #3	TRAP #4
Drainage Area, sq.ft. *	36,250	29,311	120,247	19,559
Drainage Area, acres *	0.8	0.7	2.8	0.4
Required Storage Volume, cu.yd. (drainage area, acres x 134 cu.yd./acre)	112	90	370	60
Proposed Temporary Sediment Trap Bottom Area, sq.ft.	454	859	5,163	899
Proposed Temporary Sediment Trap Top Area, sq.ft.	1,704	1,771	7,114	1,835
Proposed Temporary Sediment Trap Depth, ft.	2	2	2	2
Proposed Temporary Sediment Trap Storage Volume, cu.yd.	80	97	455	101

* NOTE: DRAINAGE AREA IS EQUAL TO TOTAL DRAINAGE AREA DISCHARGING TO SEDIMENT TRAP NOT DISTURBED AREA

Access Drive Sediment Trap Calculations

	ACCESS DRIVE TRAP #1	ACCESS DRIVE TRAP #2	ACCESS DRIVE TRAP #3	ACCESS DRIVE TRAP #4	ACCESS DRIVE TRAP #5	ACCESS DRIVE TRAP #6	ACCESS DRIVE TRAP #7
Drainage Area, sq.ft. *	7,784	8,504	7,214	3,530	7,201	3,422	10,312
Drainage Area, acres *	0.2	0.2	0.2	0.1	0.2	0.1	0.2
Required Storage Volume, cu.yd. (drainage area, acres x 134 cu.yd./acre)	24	26	22	11	22	11	32
Proposed Temporary Sediment Trap Bottom Area, sq.ft.	170	170	170	23	170	23	286
Proposed Temporary Sediment Trap Top Area, sq.ft.	614	614	614	315	614	315	838
Proposed Temporary Sediment Trap Depth, ft.	2	2	2	2	2	2	2
Proposed Temporary Sediment Trap Storage Volume, cu.yd.	29	29	29	13	29	13	42

* NOTE: DRAINAGE AREA IS EQUAL TO TOTAL DRAINAGE AREA DISCHARGING TO SEDIMENT TRAP NOT DISTURBED AREA
 * NOTE: TOTAL DRAINAGE AREA = 5.9 ACRES
 * TOTAL DISTURBED AREA = 4.8 ACRES

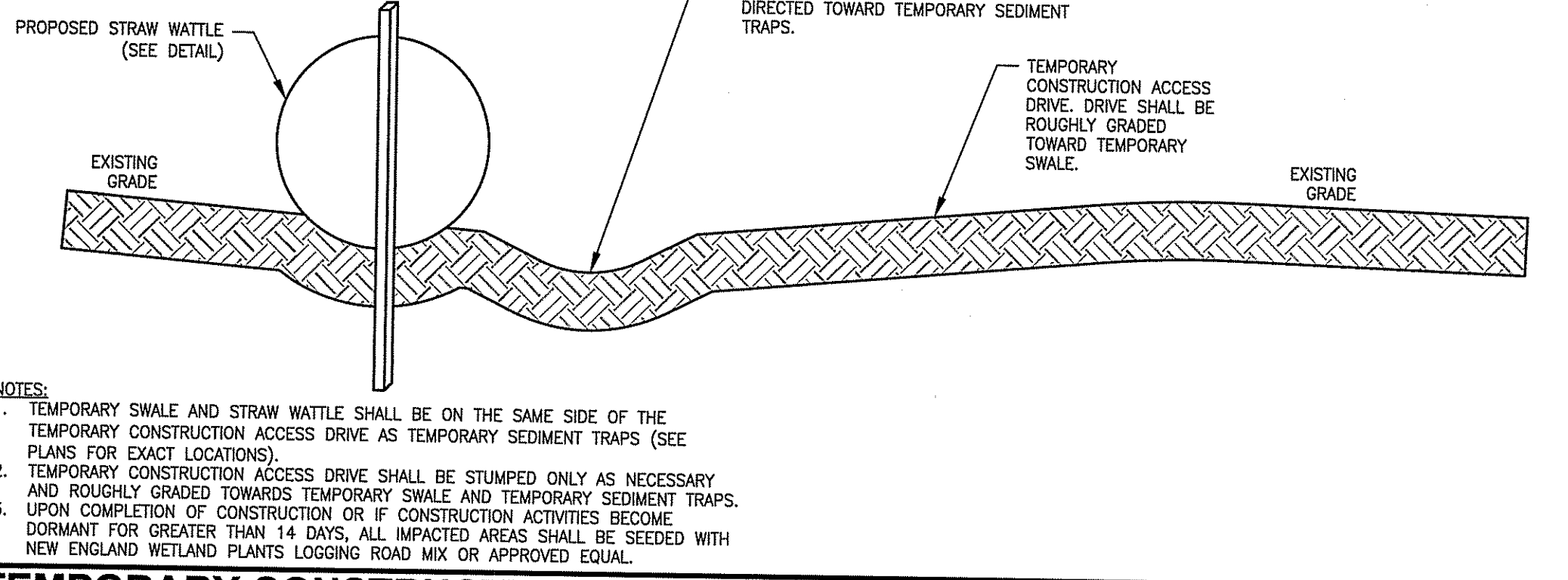
GENERAL NOTES

- THESE PLANS AND THEIR CORRESPONDING ELECTRONIC DOCUMENTS, INCLUDING CAD FILES FOR THE PROJECT, ARE INSTRUMENTS OF PROFESSIONAL SERVICE AND SHALL NOT BE USED IN WHOLE OR IN PART FOR ANY OTHER PURPOSE THAN THE DEVELOPMENT OF THIS PROJECT WITHOUT THE EXPRESSED, WRITTEN CONSENT OF AMEC FOSTER WHEELER. ANY UNAUTHORIZED USE, RE-USE, ALTERATION OR MODIFICATION OF THIS DATA SHALL BE AT THE USER'S RISK WITH NO LIABILITY ON THE PART OF AMEC FOSTER WHEELER.
- UPON AWARD OF THE CONTRACT AND PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND BONDS AND PAYING ALL STATE AND LOCAL FEES RELATING TO THE WORK SHOWN ON THESE DRAWINGS, THE CONSTRUCTION SPECIFICATIONS, AND CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL NOTIFY DIG-SAFE AT LEAST 72 BUSINESS HOURS PRIOR TO INITIATING ANY EXCAVATION WORK.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. WHERE SITE SPECIFICATIONS ARE NOT PROVIDED, THE CONTRACTOR SHALL ADHERE TO LOCAL MUNICIPAL STANDARDS OR THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, AS APPLICABLE. STANDARDS; WORK WITHIN STATE RIGHTS-OF-WAY SHALL ADHERE TO STATE HIGHWAY STANDARDS, WHERE A DISCREPANCY EXISTS, THE MORE RESTRICTIVE STANDARD SHALL APPLY.
- REFERENCE MADE TO "STATE HIGHWAY STANDARDS," "STATE STANDARD SPECIFICATIONS," "STANDARD SPECIFICATIONS," OR "RIDOT STANDARDS" SHALL MEAN AND BE DEFINED AS THE "RHODE ISLAND DEPARTMENT OF TRANSPORTATION - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION."
- ANY WORK NOT MEETING THE APPROVED STANDARDS SHALL BE REMOVED IMMEDIATELY AND REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE SECURITY AND JOB SAFETY AND SHALL CONFORM TO THE RULES AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE AND PROTECTION OF PEDESTRIAN AND VEHICULAR TRAFFIC INCLUDING ANY REQUIRED POLICE PROTECTION. ANY REQUIRED TEMPORARY CONSTRUCTION SIGNS, BARRICADES AND LANE CLOSURES SHALL BE IN CONFORMANCE WITH THE LATEST "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD).
- THE CONTRACTOR SHALL NOT OBSTRUCT PUBLIC ROADWAYS, SIDEWALKS, OR FIRE HYDRANTS WITHOUT FIRST OBTAINING THE NECESSARY PERMITS TO DO SO.
- THE LIMITS-OF-WORK (A.K.A. "LIMIT OF DISTURBANCE") SHALL BE AS SHOWN ON THESE PLANS. AREAS DISTURBED BEYOND THESE DEFINED LIMITS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. LANDSCAPE AREAS SHALL BE RESTORED WITH 6 INCHES OF LOAM AND SEED.
- SHOULD THE CONTRACTOR ENCOUNTER SUSPECTED CONTAMINATED SOIL, GROUNDWATER, OR OTHER MATERIAL DURING EXCAVATION, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK IN THE SUSPECTED AREA AND NOTIFY THE OWNER OF THE APPROPRIATE ACTIONS AND TESTING CAN TAKE PLACE.
- HORIZONTAL AND VERTICAL DATUMS ARE PROVIDED ON THE EXISTING CONDITIONS PLAN.
- WHERE AN EXISTING UTILITY IS FOUND TO BE IN CONFLICT WITH THE PROPOSED WORK, OR WHERE EXISTING CONDITIONS DIFFER FROM THE INFORMATION SHOWN ON THESE PLANS, SUCH THAT THE WORK CAN NOT BE COMPLETED AS INTENDED, THE CONTRACTOR SHALL IMMEDIATELY IDENTIFY AND PROVIDE THE ENGINEER WITH THE LOCATION, ELEVATION, AND SIZE OF THE UTILITY IN CONFLICT. THE CONTRACTOR SHALL NOT CONTINUE WORK IN THIS AREA UNTIL THE APPROPRIATE REMEDIAL ACTION IS AGREED UPON BY THE OWNER AND ENGINEER.
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO OVERHEAD AND/OR UNDERGROUND UTILITIES, WHETHER OR NOT SHOWN ON THESE PLANS THROUGHOUT WORK ON THIS PROJECT.
- ALL STRUCTURES UNDER PAVED AREAS SHALL BE DESIGNED TO MEET HS-20 TRUCK LOAD.

LAYOUT AND MATERIALS NOTES

- THE CONTRACTOR SHALL NOT RELY SOLELY ON ELECTRONIC VERSIONS OF PLANS, SPECIFICATIONS, AND DATA FILES THAT ARE OBTAINED FROM THE DESIGNERS, BUT SHALL VERIFY LOCATION OF PROJECT FEATURES IN ACCORDANCE WITH PAPER COPIES OF THE PLANS AND SPECIFICATIONS THAT ARE SUPPLIED AS PART OF THE CONTRACT DOCUMENTS.
 - SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS OF THE FEATURES. DIMENSIONS SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
 - PROPOSED BOUNDS AND ANY OTHER EXISTING PROPERTY LINE MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.
 - THE CONTRACTOR SHALL PROVIDE TEMPORARY BITUMINOUS PATCH FOR ANY TRENCH WORK WITHIN PAVEMENT OR SIDEWALK AREAS IN PUBLIC RIGHTS-OF-WAY UNTIL PERMANENT PATCHING IS INSTALLED.
- SITE SPECIFIC DATA**
- TOTAL SITE AREA = 51.0± ACRES
 - TOTAL AREA OF DISTURBANCE = 4.8 ACRES
 - NATURAL HERITAGE AREA (NHA) IMPACT - N/A
 - THREATENED SPECIES OR HABITAT IMPACT - N/A
 - WATERSHED = THROUGH WETLANDS AND STREAMS ON-SITE TO SUCKER BROOK: I.D. R0007037R-01 (NO IMPAIRMENTS)

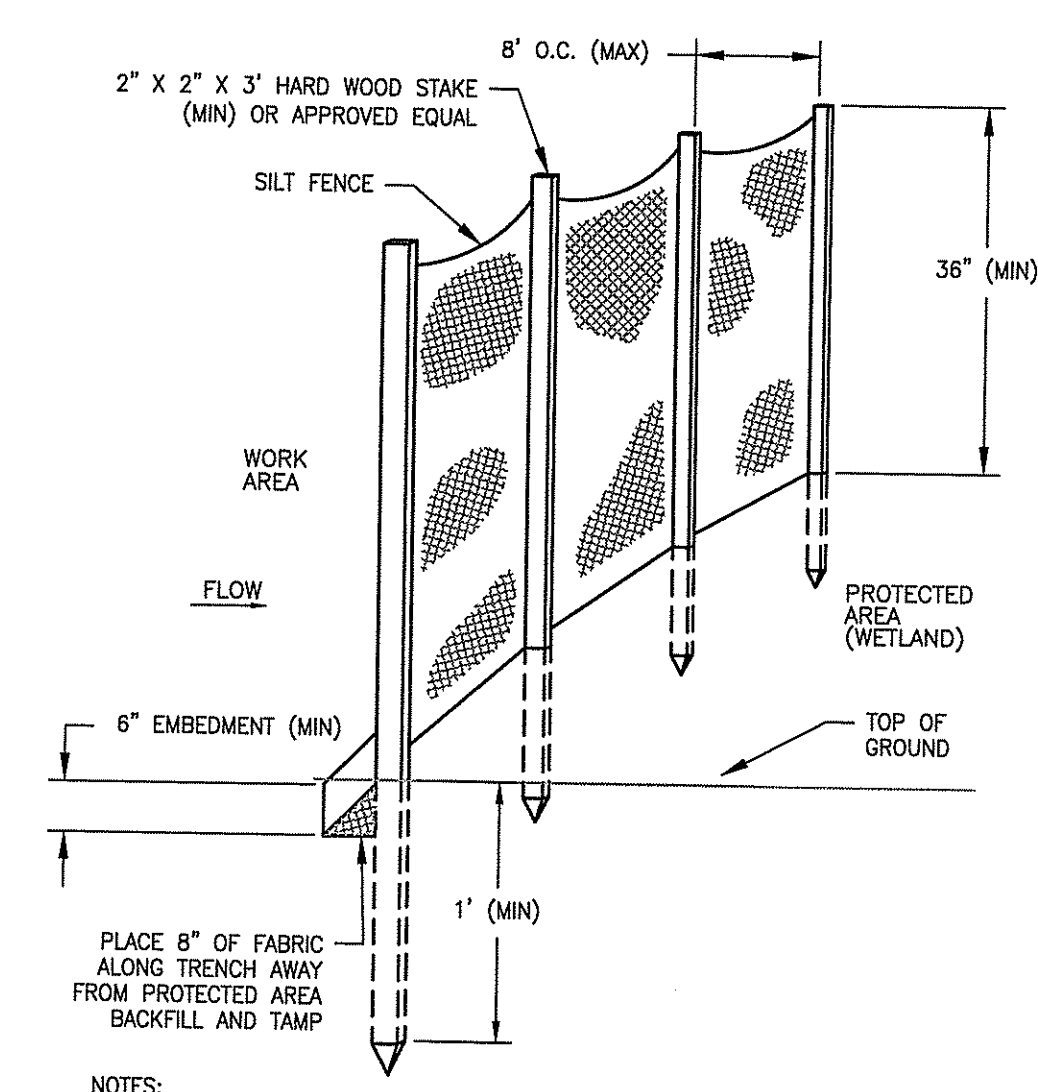
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JAN 12 2017 FILE # 16-0310
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE



TEMPORARY CONSTRUCTION ACCESS DRIVE CROSS SECTION
 NTS CA-BC

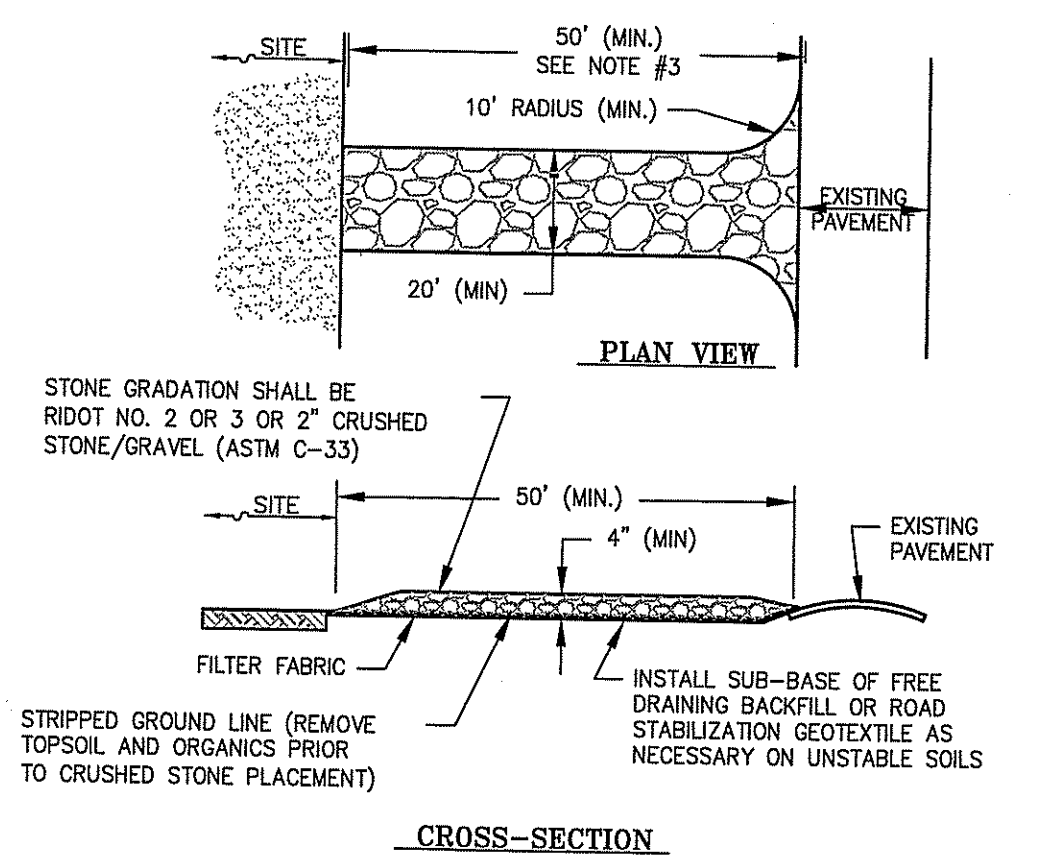
EROSION CONTROLS/CONSTRUCTION SEQUENCING

- PRIOR TO THE START OF CONSTRUCTION OF ANY EARTHWORK ACTIVITIES, THE CONTRACTOR SHALL NOTIFY ALL APPLICABLE AGENCIES AND INSTALL THE EROSION CONTROL MEASURES SHOWN ON THESE PLANS IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL PERMITS PERTAINING TO THIS PROJECT.
- THE CONTRACTOR SHALL KEEP A COPY OF THE "SOIL EROSION AND SEDIMENTATION CONTROL PLAN" (SESC) AND THE APPROVED PLAN SET AT THE CONSTRUCTION SITE AT ALL TIMES.
- THE CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES SHOWN ON THE PLAN SET IN ACCORDANCE WITH THE SESC AND THE MOST RECENT EDITION OF THE "RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL HANDBOOK".
- THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN AND/OR UPGRADE THESE MEASURES, AS NECESSARY, THROUGHOUT CONSTRUCTION, TO MEET THE REQUIREMENTS OF ALL RELATED PERMITS FOR THE PROJECT.
- THE CONTRACTOR SHALL PREPARE AND MAINTAIN A RED-LINED COPY OF THE SESC PLAN SHOWING INTENDED AREAS FOR STAGING, STOCKPILING, WASHOUT, AND ALL SUCH AREAS SHALL BE LOCATED OUTSIDE OF REGULATED WETLAND AREAS OR AREAS INTENDED FOR INFILTRATION PRACTICES.
- EROSION CONTROL DEVICES
 - AT LEAST ONE STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED FOR ACCESS TO THE PROJECT BY CONSTRUCTION VEHICLES. THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED BEFORE CONSTRUCTION VEHICLES WILL BE ALLOWED TO ENTER THE CONSTRUCTION SITE. ADDITIONAL ENTRANCES/EXITS SHALL BE INSTALLED IF MORE THAN ONE ACCESS POINT IS ANTICIPATED BY THE CONTRACTOR. A WASH-OUT PAD MAY ALSO BE INSTALLED TO WASH CONSTRUCTION VEHICLES EXITING THE SITE.
 - ROADS ADJACENT TO THE CONSTRUCTION SITE SHALL BE CLEAN AT THE END OF EACH WORK DAY.
 - TEMPORARY SEDIMENT TRAPS SHALL BE EXCAVATED OR BERMED AND SHALL BE SIZED IN ACCORDANCE WITH THE "RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL" AND THE "RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL HANDBOOK". THE DISCHARGE LOCATION FROM THESE TRAPS SHALL BE STABILIZED TO PREVENT EROSION.
 - SILT FENCE SHALL BE INSTALLED AROUND ALL EARTH STOCKPILES.
 - ALL OTHER EROSION CONTROL DEVICES SHOWN ON THESE PLANS SHALL BE IN ACCORDANCE WITH "RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL" AND THE "RHODE ISLAND SOIL EROSION AND SEDIMENTATION CONTROL HANDBOOK".
 - THE EROSION CONTROL MEASURES SHOWN ON THESE PLANS ARE INTENDED TO BE THE MINIMUM NECESSARY AT THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN AND SUPPLEMENT THESE EROSION CONTROLS, AS NECESSARY THROUGHOUT CONSTRUCTION, TO PREVENT DAMAGE TO WETLANDS AND/OR SURROUNDING PROPERTIES.
 - THE CONTRACTOR SHALL PREVENT DUST, DEBRIS, OR SEDIMENTS FROM LEAVING THE SITE DURING CONSTRUCTION AND SHALL BE RESPONSIBLE TO REPAIR, CLEAN UP, OR TAKE OTHER CORRECTIVE ACTION IMMEDIATELY OR NO LATER THAN 24 HOURS AFTER ANY ISSUE ARISES.
 - THE CONTRACTOR SHALL CONTROL CONSTRUCTION STORMWATER RUNOFF IN SUCH A MANNER AS TO PREVENT DAMAGE TO DOWN-GRADE PROPERTIES; ANY PROPERTIES SO DAMAGED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
 - THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES ON A WEEKLY BASIS AND WITHIN 12 HOURS AFTER A RAINFALL EVENT. THE CONTRACTOR SHALL IMMEDIATELY REPAIR DAMAGED DEVICES AND SHALL REMOVE ACCUMULATED SEDIMENTS IN ACCORDANCE WITH LOCAL REQUIREMENTS AND THE RIDEM PERMIT, WHEN APPLICABLE. ACCUMULATED SEDIMENTS SHALL BE REMOVED FROM THE SITE OR PLACED AWAY FROM WETLANDS AND CLOSED DRAINAGE SYSTEMS.
 - THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PERFORM EARTHWORK IN PHASES THAT ALLOW FOR STABILIZATION OF THESE AREAS IN A RELATIVELY SHORT TIME PERIOD AND TO DISCOURAGE EROSION AND SEDIMENTATION. ANY EXPOSED SOILS INTENDED TO REMAIN FOR MORE THAN 14 DAYS SHALL BE STABILIZED WITH MULCH, OR TEMPORARY SEED AND WATERED TO ENCOURAGE VEGETATION.
 - THE CONTRACTOR SHALL INSTALL PERMANENT SEEDING BETWEEN APRIL 15TH AND JUNE 15TH AND/OR AUGUST 15TH TO OCTOBER 15TH.
 - PROPOSED CONSTRUCTION ACTIVITIES THAT TAKE PLACE DURING WINTER MONTHS SHALL ADHERE TO WINTER SESC MEASURES. THESE CONSIDERATIONS INCLUDE:
 - SNOW REMOVAL: SNOW SHALL BE PLOWED FROM THE ACCESS DRIVE AS NECESSARY WHILE MAINTAINING THE DRAINAGE FLOW PATH TO THE TEMPORARY SEDIMENT TRAPS. IF SIGNIFICANT SNOW BUILD UP OCCURS ALONG THE DRIVE, AND ARE NOT NECESSARILY SCALED TO THE ACTUAL DIMENSIONS OR LOCATIONS ON THE DRAWINGS, THE CONTRACTOR SHALL REFER TO THE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
 - STABILIZATION: DISTURBED AREAS NOT STABILIZED BEFORE NOVEMBER 15TH SHALL BE STABILIZED THROUGH THE USE OF EROSION CONTROL BLANKETS OR STRAW MULCH. ONLY THE AREA REQUIRED FOR A DAY'S WORK SHALL BE EXPOSED EACH DAY AND SOILS SHALL BE STABILIZED WITHIN 5 WORKING DAYS. AREAS HAVING A SLOPE LESS THAN 15% SHALL BE SEED AND COVERED WITH NETTING. AREAS HAVING A SLOPE GREATER THAN 15% SHALL BE SEED AND COVERED WITH A PROPERLY INSTALLED AND ANCHORED EROSION CONTROL BLANKET. INSTALLATION OF ANCHORED HAY, MULCH, OR STRAW SHOULD NOT OCCUR OVER SNOW GREATER THAN ONE INCH IN DEPTH.
 - STOCKPILES: STOCKPILED MATERIAL SHALL BE COVERED WITH HAY OR STRAW. STOCKPILES SHALL BE STABILIZED WITHIN 24 HOURS OF STOCKPILING AND RE-ESTABLISHED PRIOR TO ANY RAINFALL OR SNOWFALL. NO STOCKPILES SHALL BE PLACED WITHIN 100 FEET OF ANY WETLAND OR OTHER WATER RESOURCE AREA. FROZEN MATERIALS SHALL BE STOCKPILED SEPARATELY FROM OTHER MATERIALS.
 - TEMPORARY SEDIMENT TRAPS: TRAPS MAY BE FORMED BY CREATING EARTHEN BERMS ON THE DOWNGRADIENT SIDE AS LONG AS STORMWATER CAN STILL FREELY FLOW INTO THE TRAPS. ALTERNATE STORMWATER OUTLETS MAY BE REQUIRED TO ACCOUNT FOR ICE WITHIN THE TRAPS.
 - MAINTENANCE & INSPECTION: ROUTINE MAINTENANCE AND INSPECTION SHALL CONTINUE THROUGHOUT CONSTRUCTION, INCLUDING WINTER MONTHS. ADDITIONAL INSPECTION SHALL BE CONDUCTED AFTER SNOWSTORMS AND PERIODS OF THAWING.



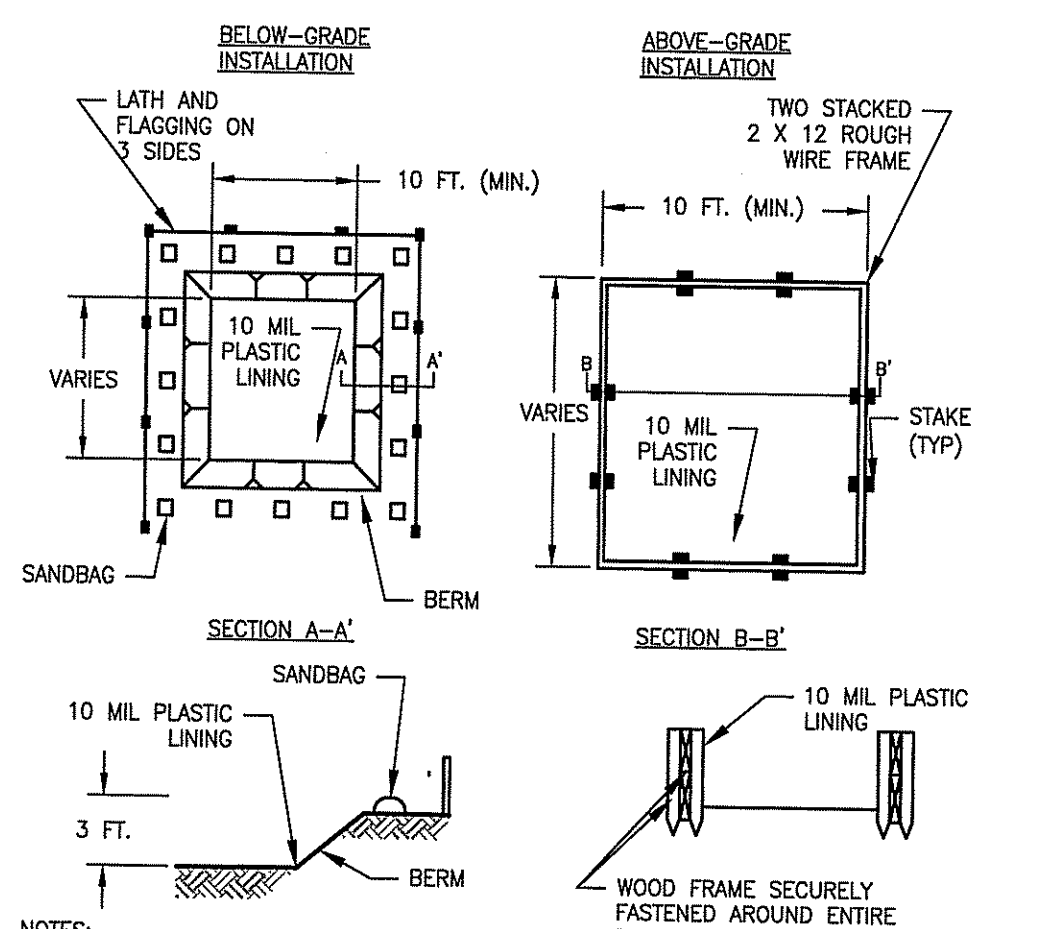
- NOTES:**
- SILT FENCE SHALL BE LOCATED AT 10' FROM TOE OF SLOPE FOR MAINTENANCE.
 - 8" WITH WIRE OR 6" WITHOUT WIRE (MAX).
 - WIRE FENCING - 6" MESH OPENING (MAX) AND 14 GAUGE (MIN).
 - MAINTAIN UNTIL UP-GRADE AREAS HAVE BEEN PERMANENTLY STABILIZED.

SILT FENCE
 NTS CA-BC-001



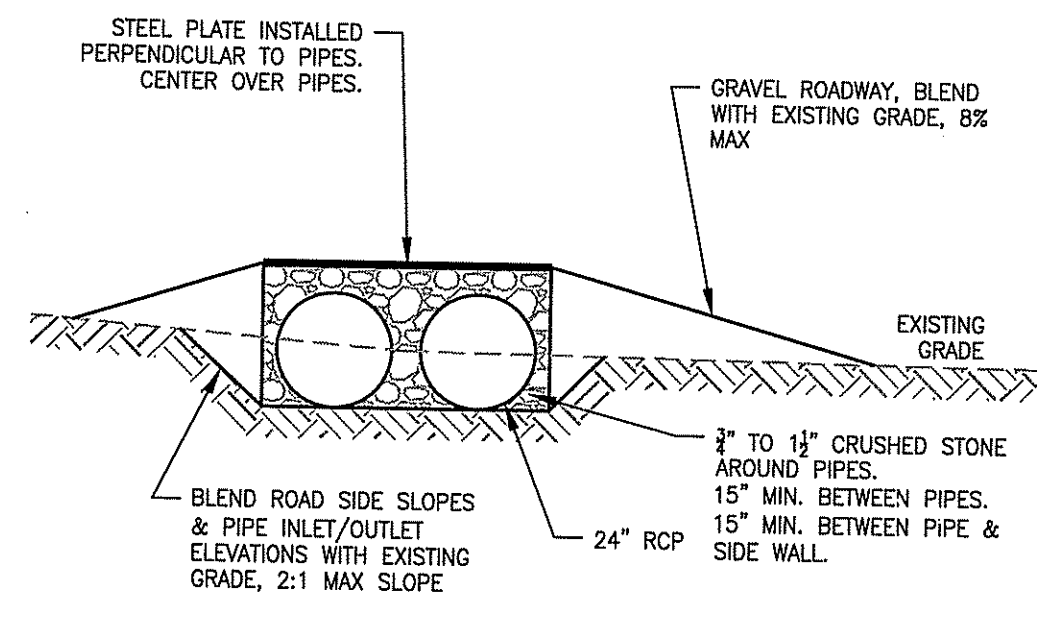
- NOTES:**
- ENTRANCE WIDTH SHALL BE TWENTY (20) FEET WIDE MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. PROVIDE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND. REPAIR ANY MEASURES USED TO TRAP SEDIMENT AS NEEDED. IMMEDIATELY REMOVE ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PAVED SURFACES. ROADS ADJACENT TO A CONSTRUCTION SITE SHALL BE LEFT CLEAN AT THE END OF EACH DAY.
 - 50 FEET MINIMUM WHERE THE SOILS ARE SANDS OR GRAVELS OR 100 FEET MINIMUM WHERE SOILS ARE CLAYS OR SILTS. EXPECT WHERE THE TRAVELED LENGTH IS LESS THAN 50 OR 100 FEET RESPECTIVELY.

TEMPORARY CONSTRUCTION EXIT
 NTS CA-BC-005



- NOTES:**
- ACTUAL LAYOUT DETERMINED IN THE FIELD.
 - LOCATE A MIN. OF 50 FEET FROM STORM DRAINS, OPEN CHANNELS, WATER BODIES, AND JURISDICTIONAL WETLANDS.
 - SOIL BASE SHALL BE PREPARED FREE OF ROCKS OR OTHER DEBRIS THAT COULD CAUSE A TEAR IN THE LINER.
 - LOCATE WASHOUT AREA AT LEAST 50 FEET FROM SENSITIVE AREAS SUCH AS STORM DRAINS, OPEN DITCHES, OR WATER BODIES, INCLUDING ALL JURISDICTIONAL WETLANDS.

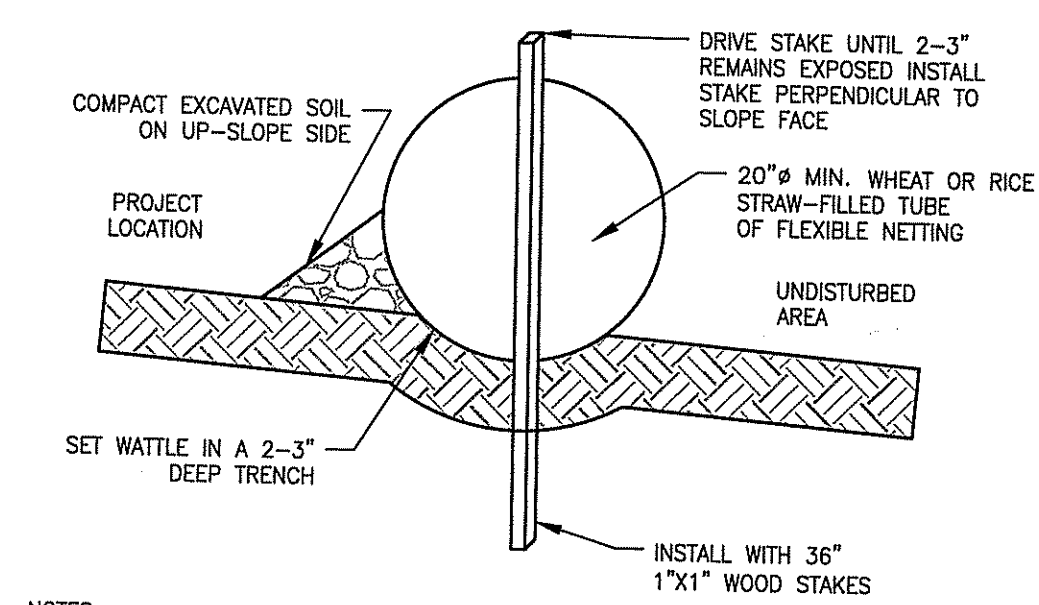
TEMPORARY CONCRETE WASHOUT FACILITY
 NTS CA-BC-009



NOTE: TEMPORARY CULVERT SHALL BE REMOVED AT THE COMPLETION OF CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL RESTORE ASSF TO PRE-CONSTRUCTION CONDITIONS.

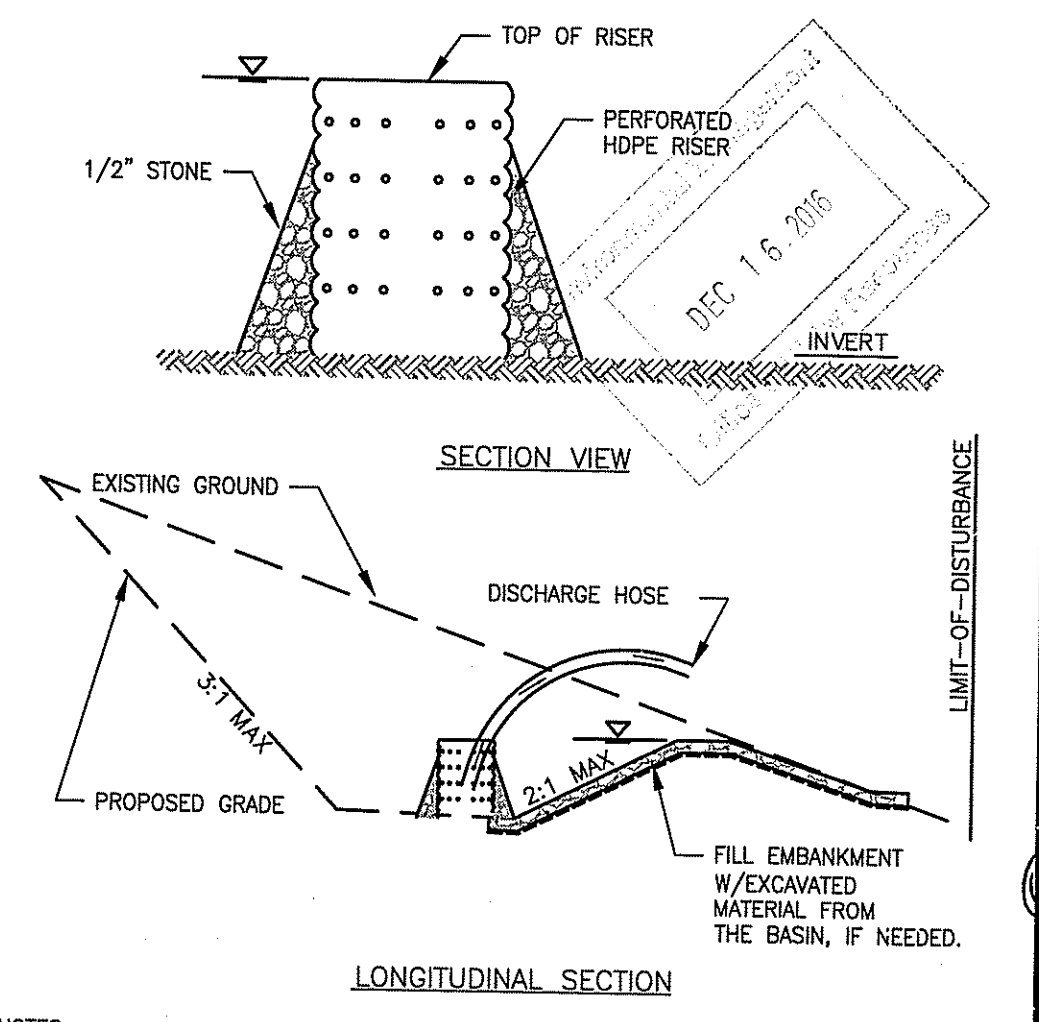
TEMPORARY CULVERT
 NTS CA-D

SLOPE STEEPNESS	MAXIMUM LENGTH (FT)
2:1	25
3:1	50
4:1	75
5:1 OR FLATTER	100



- NOTES:**
- BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 2-3" DEEP X 6" WIDE TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHALL BE PLACED UP-SLOPE FROM THE ANCHOR TRENCH.
 - PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT THE SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UP-HILL SIDE. ADJACENT WATTLES SHOULD TIGHTLY ABUT.
 - SECURE THE WATTLE WITH 18-24" STAKES EVERY 3-4' WITH A STAKE ON EACH END. STAKES SHALL BE DRIVEN THROUGH THE MIDDLE OF THE WATTLES LEAVING AT LEAST SAMPLE LINE 2-3" OF STAKE EXTENDING ABOVE THE WATTLE. WATTLE STAKES SHALL BE DRIVEN PERPENDICULAR TO SLOPE FACE.
 - MAX. DRAINAGE AREA ≤ 0.25 ACRES/100 LINEAR FEET.

STRAW WATTLE
 NTS CA-BC-002



- NOTES:**
- TRAP CAPACITY: TEMPORARY SEDIMENT TRAP 134 CY/CONTRIBUTING ACRE AND 50% OF THIS VOLUME SHALL BE WET STORAGE.
 - TOTAL MIN. STORAGE VOLUME = 1" X CONTRIBUTING AREA.
 - SEDIMENT SHALL BE REMOVED WHEN THE BASIN IS 1/2" FULL AT A MINIMUM.
 - THE BASIN SHALL REMAIN IN PLACE UNTIL THE SITE HAS BEEN STABILIZED WITH BUILDINGS, PAVEMENT, OR ESTABLISHED VEGETATION, AS APPLICABLE.

TEMPORARY SEDIMENT TRAP
 NTS CA-BC-007

amec foster wheeler
 AMEC FOSTER WHEELER
 ENVIRONMENTAL & INFRASTRUCTURE, INC.
 275 PROMENADE STREET, SUITE 120
 PROVIDENCE RHODE ISLAND, 02908
 WEB: WWW.AMECFW.COM

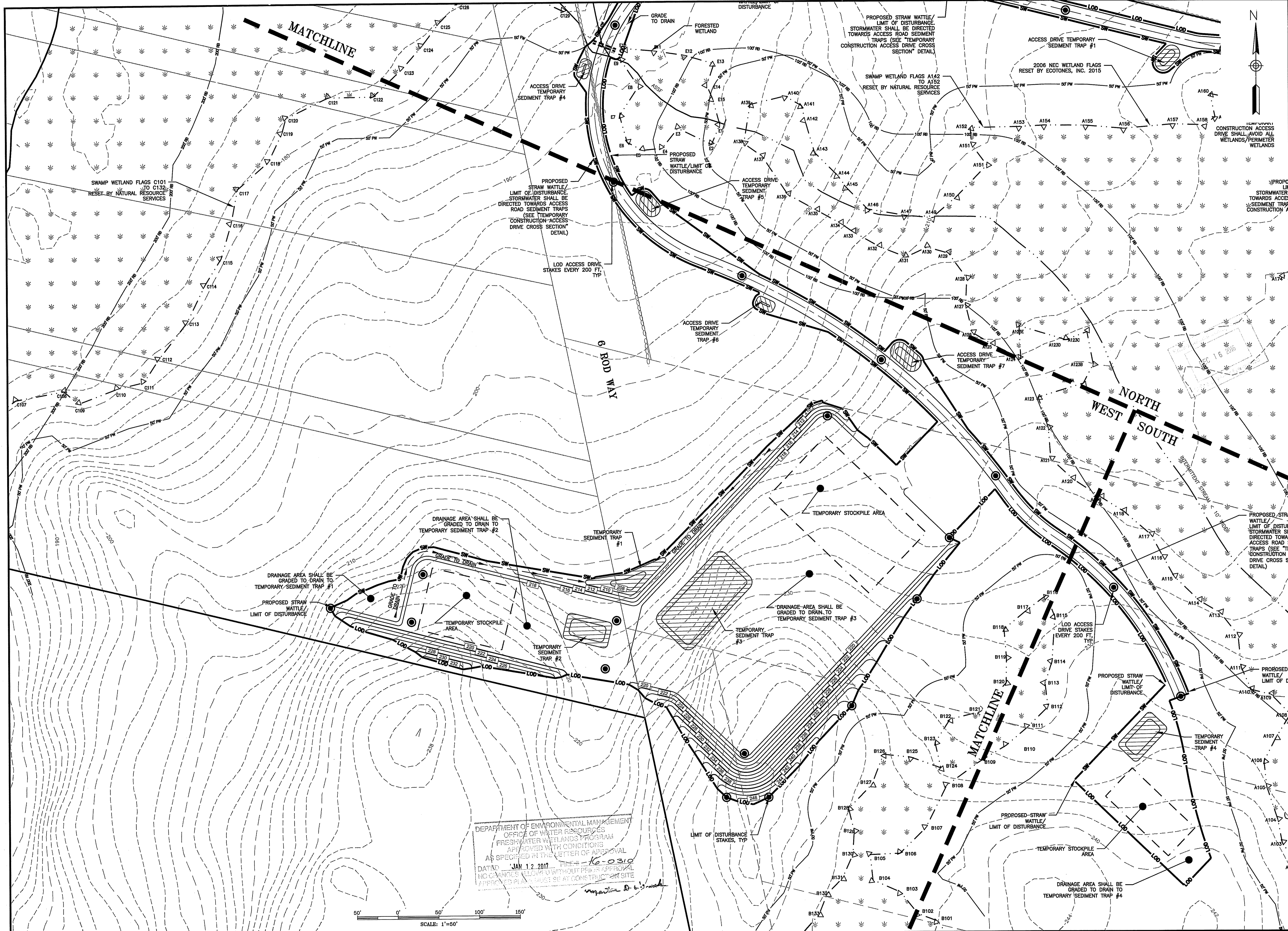
ISSUE	REVISION	DATE	DESCRIPTION

PROJECT: TWIN RIVER - TIVERTON
 PROPOSED LAND CLEARING & GRADING
 PLAT 203 LOTS 107 & 111
 PLAT 204 LOTS 101, 102, 103, 108 & 109
 WILLIAM ST. TIVERTON, RHODE ISLAND

CLIENT: FERRUCCI RUSSO PC
 C/O MARK RUSSO ESQ
 55 PINE STREET
 4TH FLOOR
 PROVIDENCE, RI 02903

DESIGNED BY: AKO/MT
 CHECKED BY: GNB
 PROJECT NUMBER: 3653160007
 DRAWING NUMBER: 12/15/2016

DESIGNED BY: AKO/MT
 CHECKED BY: GNB
 PROJECT NUMBER: 3653160007
 DRAWING NUMBER: 12/15/2016
 SHEET NUMBER: C-1
 1 OF 4



amec foster wheeler
 AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC.
 275 PROMENADE STREET, SUITE 100
 PROVIDENCE RHODE ISLAND, 02908
 WEB: WWW.AMECFW.COM

ISSUE / REVISION DESCRIPTION	DATE	REVISION	ISSUED BY	APPROVED

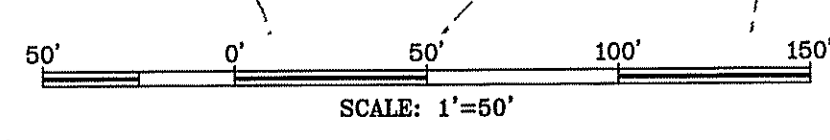
PROJECT: TWIN RIVER - TIVERTON
 PROPOSED LAND CLEARING & GRADING
 PLAT 2014 LOTS 101, 102, 103, 108 & 108
 WILLIAM S. CANNING BLVD AND STAFFORD ROAD
 TIVERTON, RHODE ISLAND

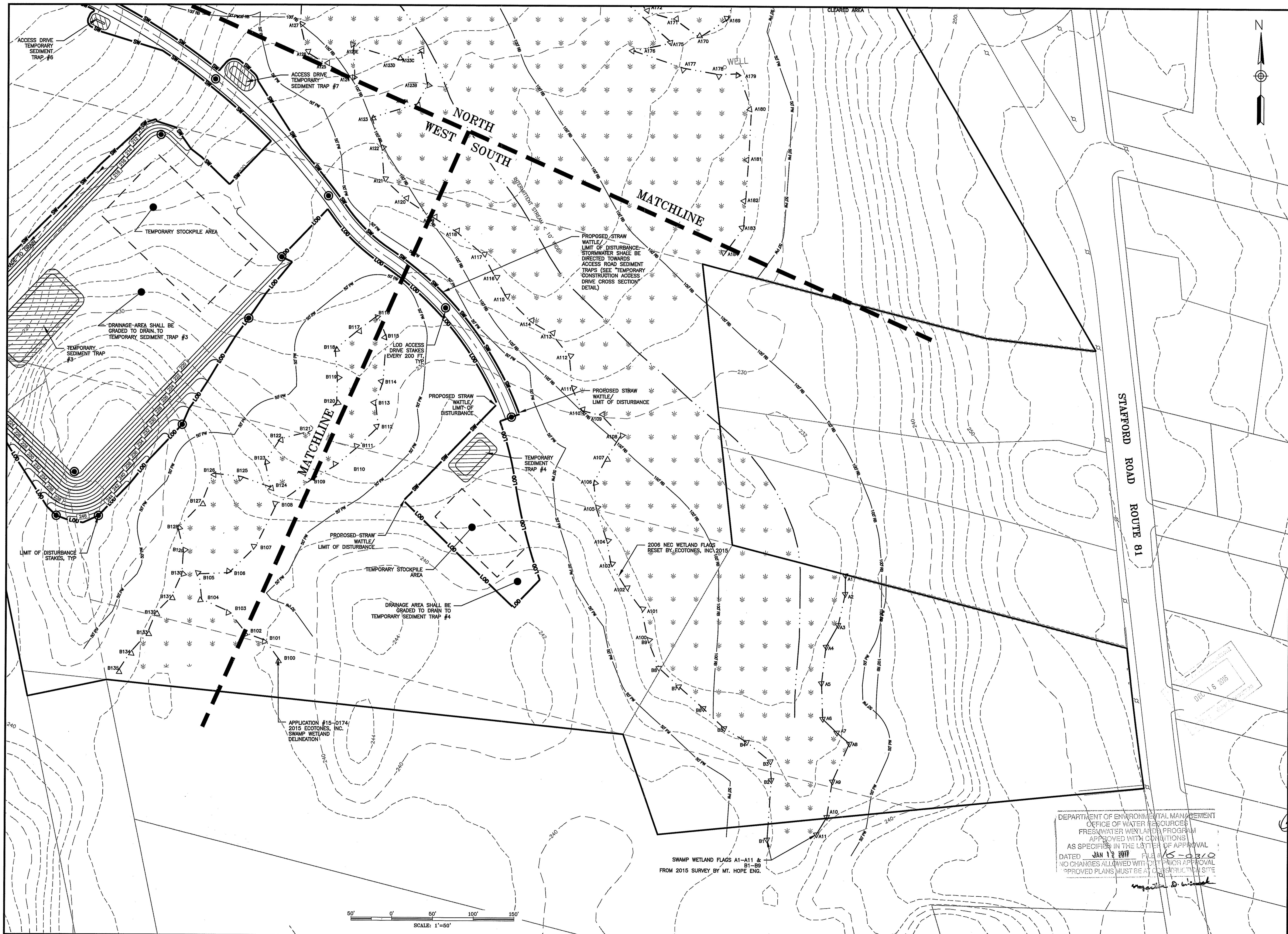
CLIENT: FERRUCCI RUSSO PC
 C/O MARK RUSSO ESQ
 55 PINE STREET
 4TH FLOOR
 PROVIDENCE, RI 02903

SEAL: **C N BEAULIEU-SHEA**
 No. 5701
 REGISTERED PROFESSIONAL ENGINEER (CIVIL) 12/15/16

DESIGNED BY: AKG/TMT
 CHECKED BY: CNB
 PROJECT NUMBER: 3653160007
 DATE: 12/15/2016
 DRAWING NUMBER: C-3
 SHEET NUMBER: 3 OF 4

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JAN 12 2017 PER 16-0310
 NO CHANGES ALLOWED WITHOUT PERMITS APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE





amec foster wheeler
 AMEC FOSTER WHEELER
 ENVIRONMENT & INFRASTRUCTURE, INC.
 275 PROMENADE STREET, SUITE 120
 PROVIDENCE RHODE ISLAND, 02908
 WEB: WWW.AMECFW.COM

REVISION	DATE	ISSUE / REVISION DESCRIPTION	APPROVED BY

PROJECT: TWIN RIVER - TIVERTON
 PROPOSED LAND CLEARING & GRADING
 PLAT 203 LOTS 107 & 111
 PLAT 204 LOTS 101, 102, 103, 106 & 108
 WILLIAM S. CANNING BLVD AND STAFFORD ROAD
 TIVERTON, RHODE ISLAND

TITLE: SITE PLAN - SOUTH

CLIENT: FERRUCCI RUSSO PC
 C/O MARK RUSSO ESQ
 55 PINE STREET
 4TH FLOOR
 PROVIDENCE, RI 02903

SEAL: C N BEAULIEU-SHEA
 No. 5701
 REGISTERED PROFESSIONAL ENGINEER (CIVIL)
 12/15/16

DESIGNED BY: AKG/TMT
 DRAWN BY: AKG/TMT
 CHECKED BY: CMB
 SCALE: 1" = 50'

PROJECT NUMBER: 3653160007
 DATE: 12/15/2016
 DRAWING NUMBER: C-4
 SHEET NUMBER: 4 OF 4

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLAND PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 DATED JAN 12 2017 FILE # 15-0310
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 *APPROVED PLANS MUST BE AT CONSTRUCTION SITE



- NOTES:**
- Contours shown are from RIGIS database and are derived from 2011 LIDAR Project.
 - Flags delineating the B100+ series wetland edge were placed by ECOTONES, Inc. and field located by Cherenzia & Associates, Ltd. in July 2015.
 - Wetland flags A1-11 and B1-9 were existing flags from a survey by Mt. Hope Engineering for Betty Marsden in April 2015 and were located by Cherenzia & Assoc., Ltd. in August 2015.
 - Wetland flags A100+ and C100+ were reset by ECOTONES, Inc. based upon the plan referenced in Note 5 and field located by Cherenzia & Associates, Ltd. in July 2015.
 - Reference is made to the following plan:
 Existing Conditions Plan
 Issued For: RIDEM Wetland Verification
 Client: Schochet & Associates
 175 Federal Street, Suite 700
 Boston, MA 02110
 Map 3-13, Block 107, Lot 12
 William S. Canning Boulevard & Stafford Road
 Tiverton, RI 02878
 Scale: 1" = 100' Date: Dec 06
 Drawing Number: EX-1
 Sheet 1 of 1
 Northeast Engineers & Consultants, Inc.
 - The subject parcels lie within a Flood Hazard Zone X, an area of minimal flood hazard, as indicated on FEMA Panel 44005C0041H, effective 4/5/2010 and Panel 44005C0042H, effective 4/5/2010.
 - Parcel lines compiled from Assessor's Maps, deeds and plans of record and field survey.

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS, EFFECTIVE NOVEMBER 11, 2015, AS FOLLOWS:

TYPE OF SURVEY:
MEASUREMENT SPECIFICATION:
COMPILED PLAN CLASS IV

THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS: TO SUPPORT A WETLANDS APPLICATION.

THIS COMPILATION PLAN HAS BEEN PREPARED FROM SOURCES OF INFORMATION AND DATA WHOSE POSITIONAL ACCURACY AND RELIABILITY HAS NOT BEEN VERIFIED. SEE PLAN REFERENCE ABOVE. THE PROPERTY LINES DEPICTED HEREON DO NOT REPRESENT A BOUNDARY OPINION, AND OTHER INFORMATION DEPICTED IS SUBJECT TO SUCH CHANGES AS AN AUTHORITY FIELD SURVEY MAY DISCLOSE.

By: *Nathan D. Lauder*
 PLS Signature

Nathan D. Lauder PLS #1842
 Printed PLS Name & License No.

LS.000A133-COA
 COA No.

PLAN REVISIONS

DATE	DESCRIPTION	DWN BY	CHK BY

SCALE: 1" = 100'
 CA JOB # 215010
 MAY 10, 2016

DRAWN BY: TWS
 CHECK BY: NDL

COMPILED EXISTING CONDITIONS PLAN

PROPERTY OF
BETTY J. MARSDEN
 and
ELSA M., LESTER & WILLIAM CORY
 PLAT 203 LOTS 107 & 111
 PLAT 204 LOTS 101, 102, 103, 106 & 108
 STAFFORD ROAD ROUTE 81
 TIVERTON, RHODE ISLAND

PREPARED FOR
FERRUCCI RUSSO PC

NATHAN D. LAUDER
 No. 1842
 PROFESSIONAL LAND SURVEYOR

SV-1

SHEET 1 OF 1
CHERENZIA & ASSOCIATES, LTD.