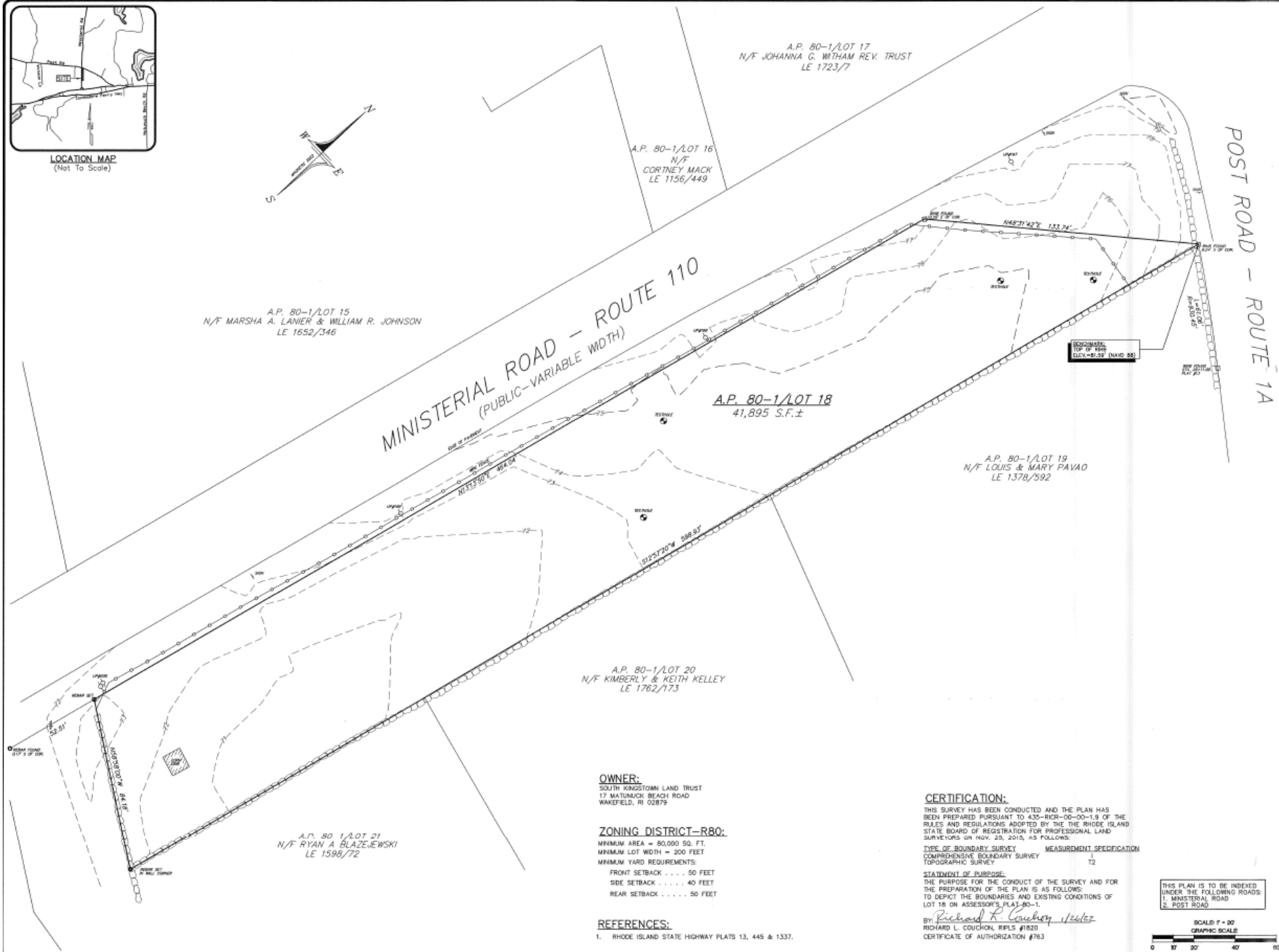
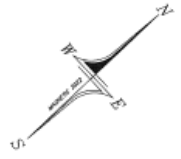




LOCATION MAP
(Not To Scale)



A.P. 80-1/LOT 15
N/F MARSHA A. LANIER & WILLIAM R. JOHNSON
LE 1652/346

A.P. 80-1/LOT 16
N/F CORTNEY MACK
LE 1156/449

A.P. 80-1/LOT 17
N/F JOHANNA G. WITHAM REV. TRUST
LE 1723/7

MINISTERIAL ROAD - ROUTE 110
(PUBLIC-VARIABLE WIDTH)

A.P. 80-1/LOT 18
41,895 S.F.±

A.P. 80-1/LOT 19
N/F LOUIS & MARY PAVAO
LE 1378/592

A.P. 80-1/LOT 20
N/F KIMBERLY & KEITH KELLEY
LE 1762/173

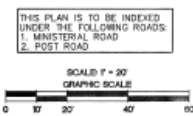
A.P. 80-1/LOT 21
N/F RYAN A. BLAZEJEWSKI
LE 1598/72

OWNER:
SOUTH KINGSTOWN LAND TRUST
17 MATUNUCK BEACH ROAD
WAKEFIELD, RI 02879

ZONING DISTRICT-R80:
MINIMUM AREA = 80,000 SQ. FT.
MINIMUM LOT WIDTH = 200 FEET
MINIMUM YARD REQUIREMENTS:
FRONT SETBACK 50 FEET
SIDE SETBACK 40 FEET
REAR SETBACK 50 FEET

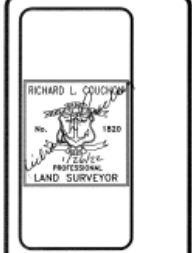
REFERENCES:
1. RHODE ISLAND STATE HIGHWAY PLATS 13, 445 & 1337.

CERTIFICATION:
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO 435-RICR-00-00-1.9 OF THE RULES AND REGULATIONS ADOPTED BY THE THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOV. 23, 2015, AS FOLLOWS:
TYPE OF BOUNDARY SURVEY MEASUREMENT SPECIFICATION
COMPREHENSIVE BOUNDARY SURVEY 12
TOPOGRAPHIC SURVEY 12
STATEMENT OF PURPOSE:
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:
TO DEPICT THE BOUNDARIES AND EXISTING CONDITIONS OF LOT 18 ON ASSESSOR'S PLAT 80-1.
BY: *Richard L. Couchon* 1/26/22
RICHARD L. COUCHON, REPLS #1820
CERTIFICATE OF AUTHORIZATION #763



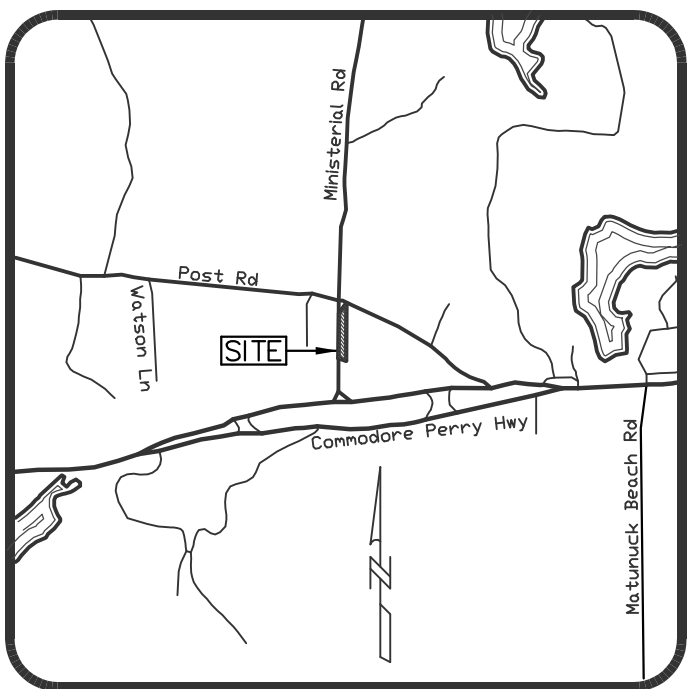
EXISTING CONDITIONS PLAN
ASSESSOR'S PLAT 80-1, LOT 18
SHOWN IN THE
SOUTH KINGSTOWN, RHODE ISLAND
PREPARED FOR
SOUTH KINGSTOWN LAND TRUST

NO.	REVISION	DATE
1.	LOT CORNERS	01/26/22

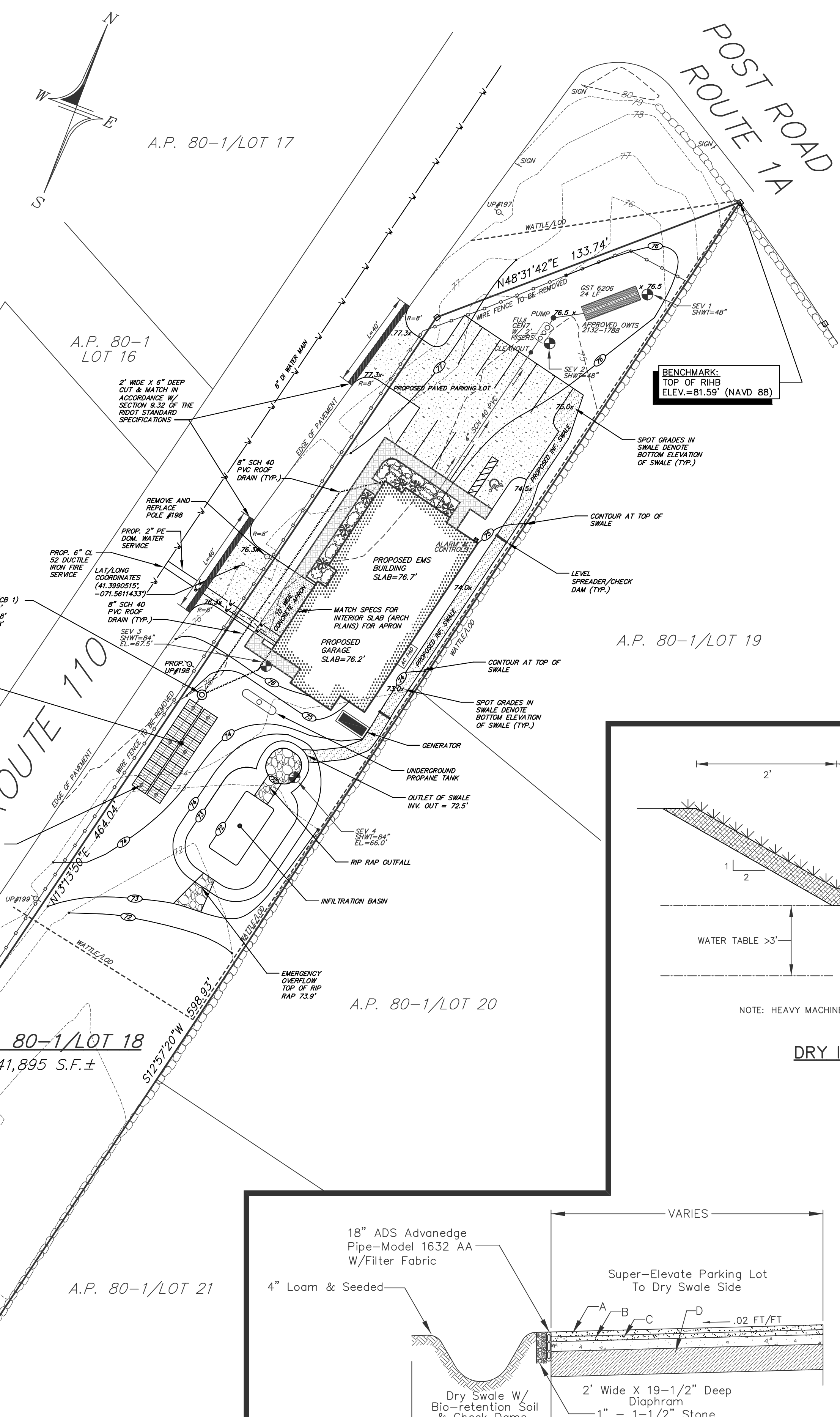


DE DOWDELL ENGINEERING
DOWDELL ENGINEERING ASSOCIATES, LLC
SURVEYORS, ENGINEERS
SURVEYORS & LAND PLANNERS
P.O. BOX 1884 • 2049 OLD POST ROAD
SOUTH KINGSTOWN, RHODE ISLAND 02811
PHONE: 401.334.1022
WEBSITE: dce-engine.com EMAIL: rlc@dowdelleng.com

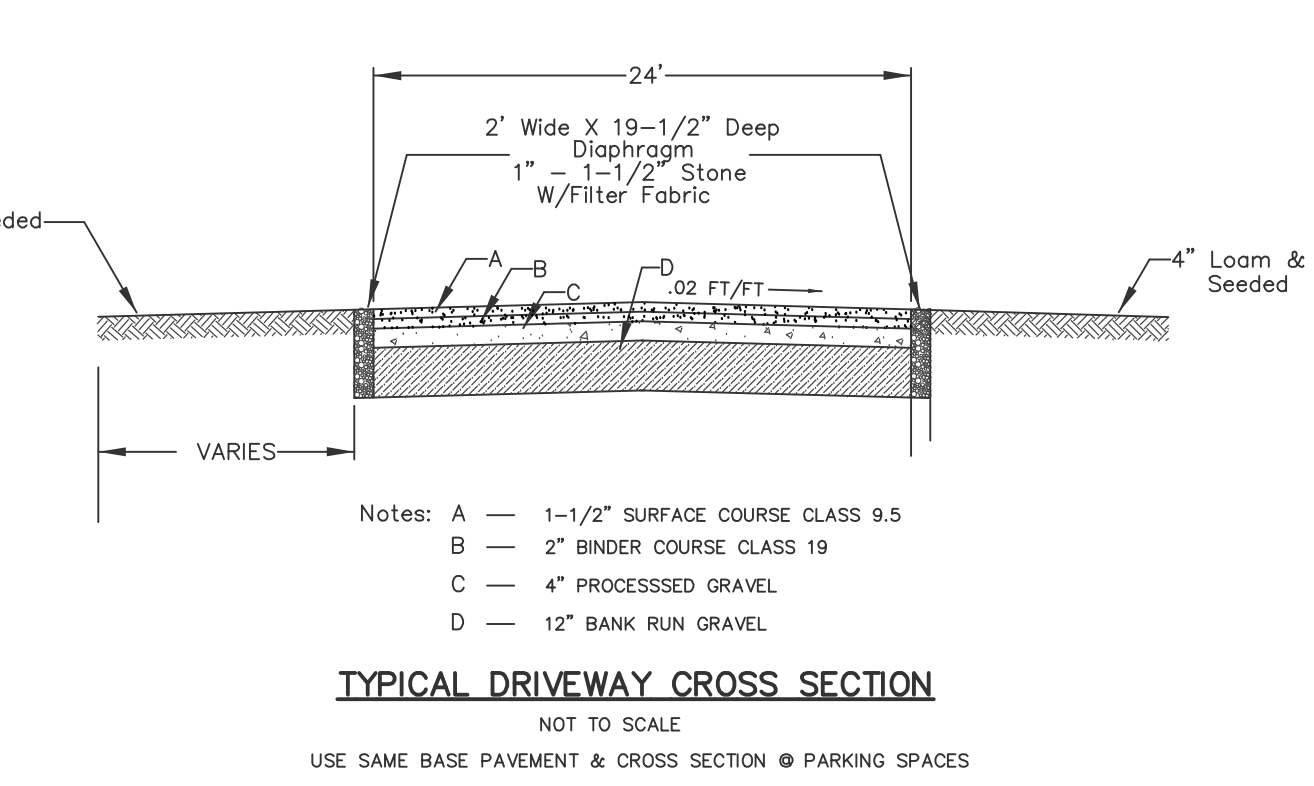
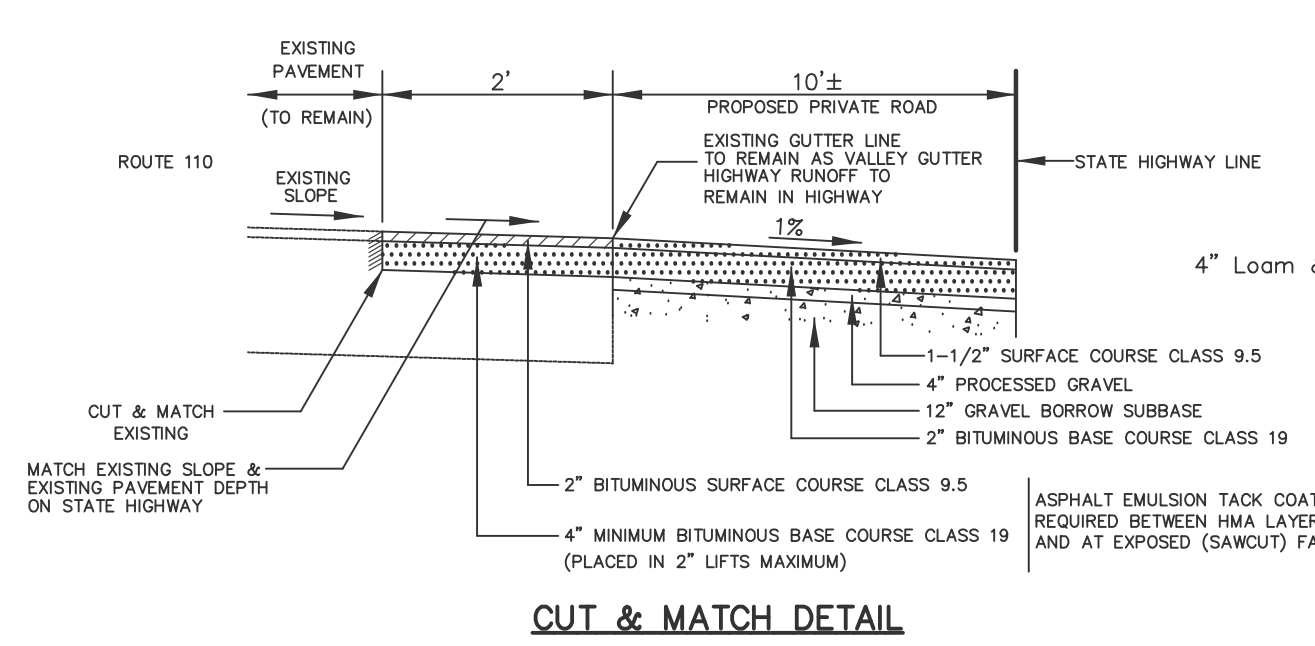
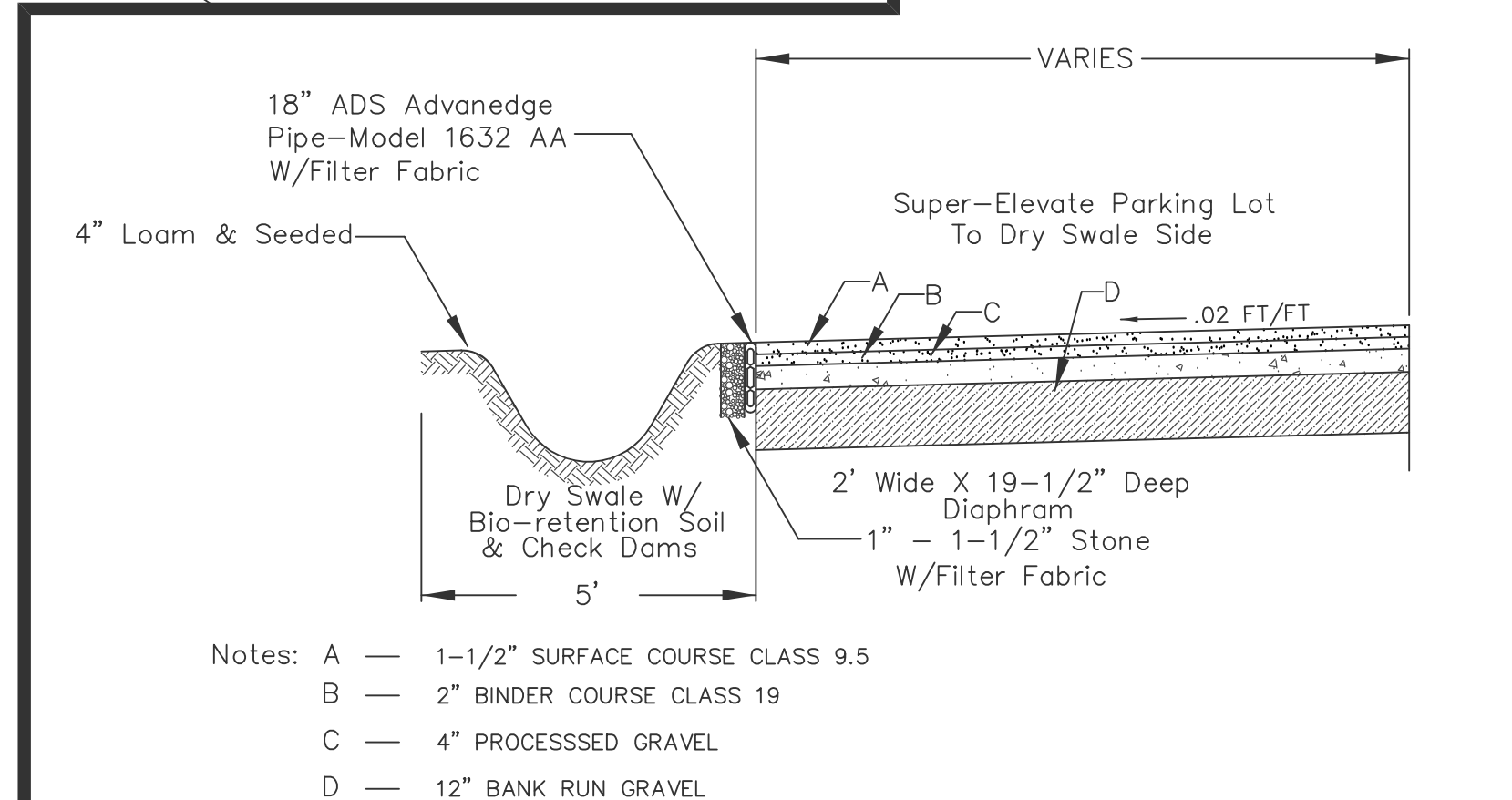
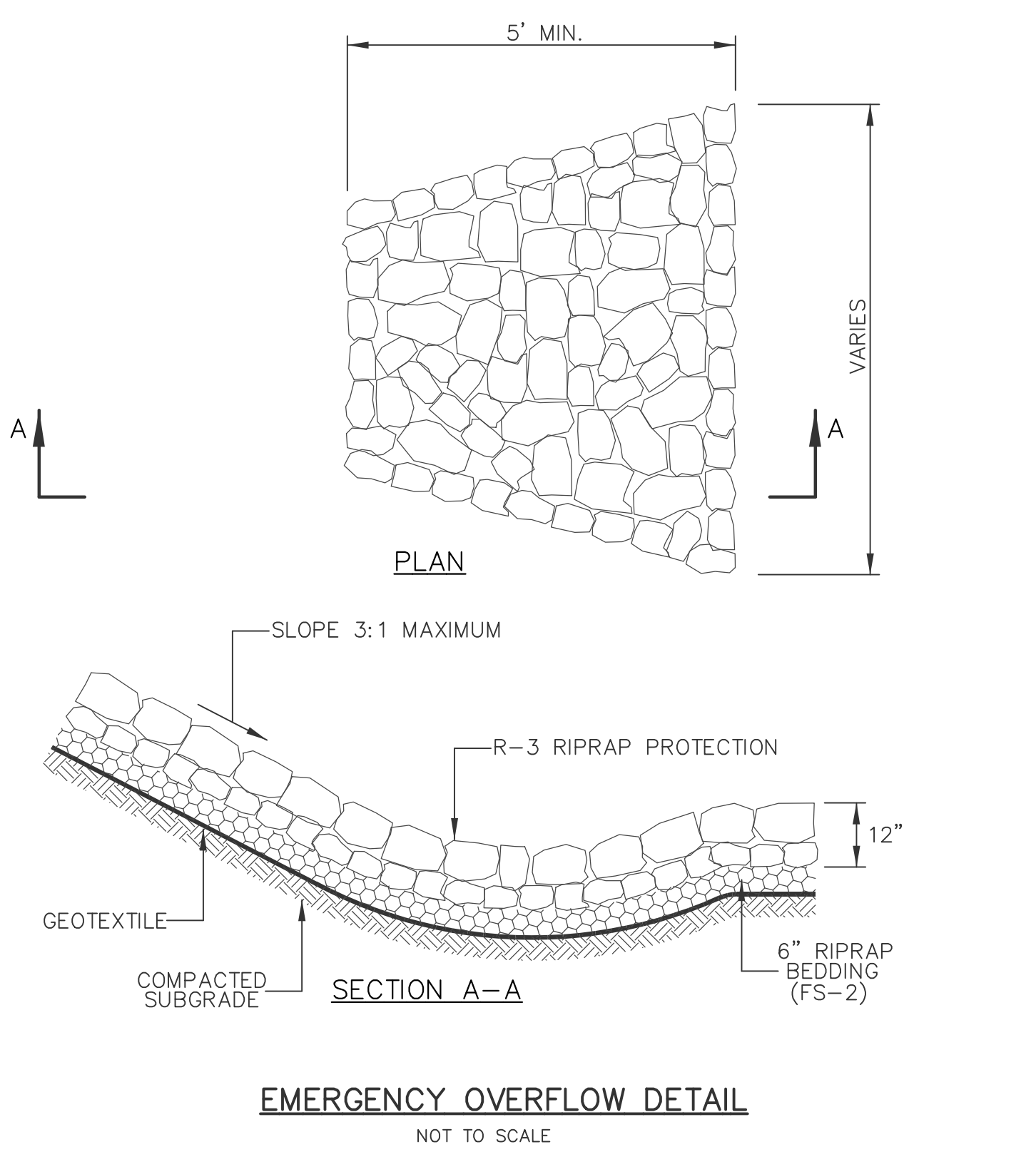
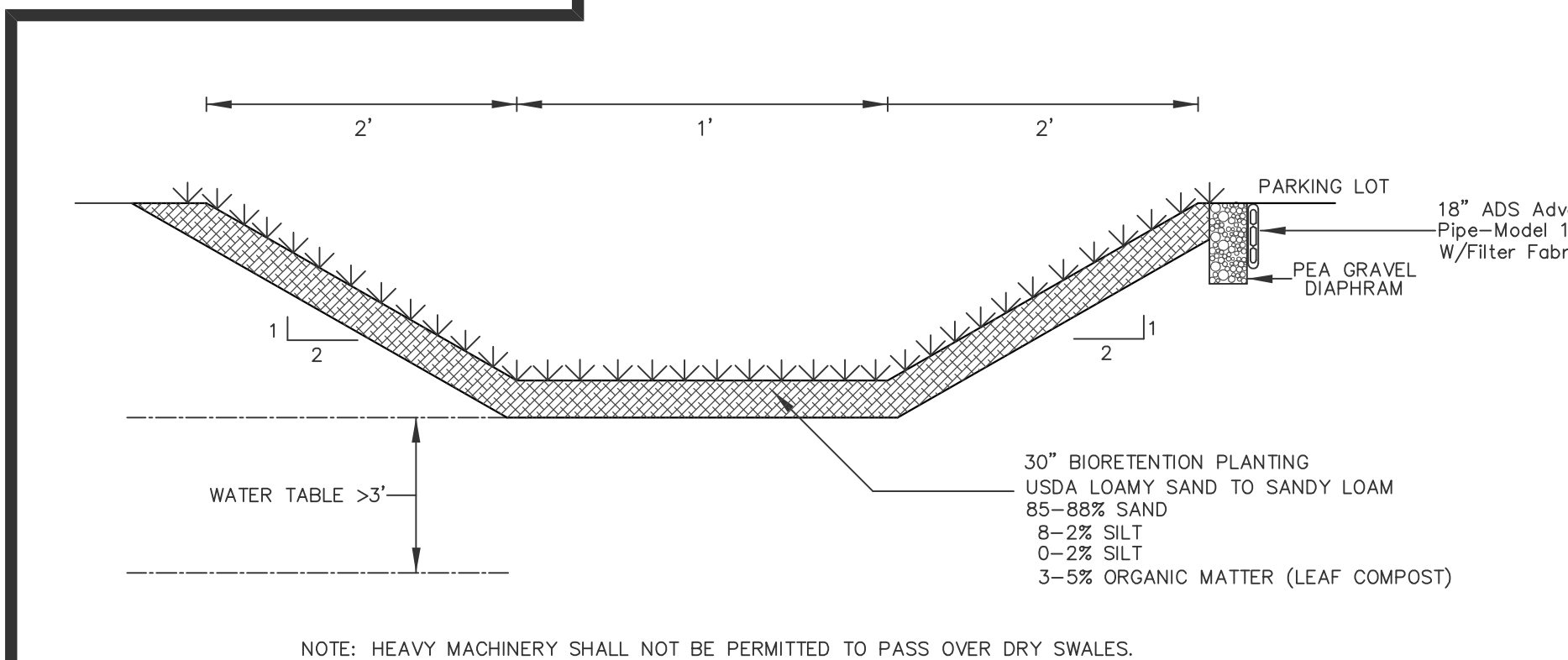
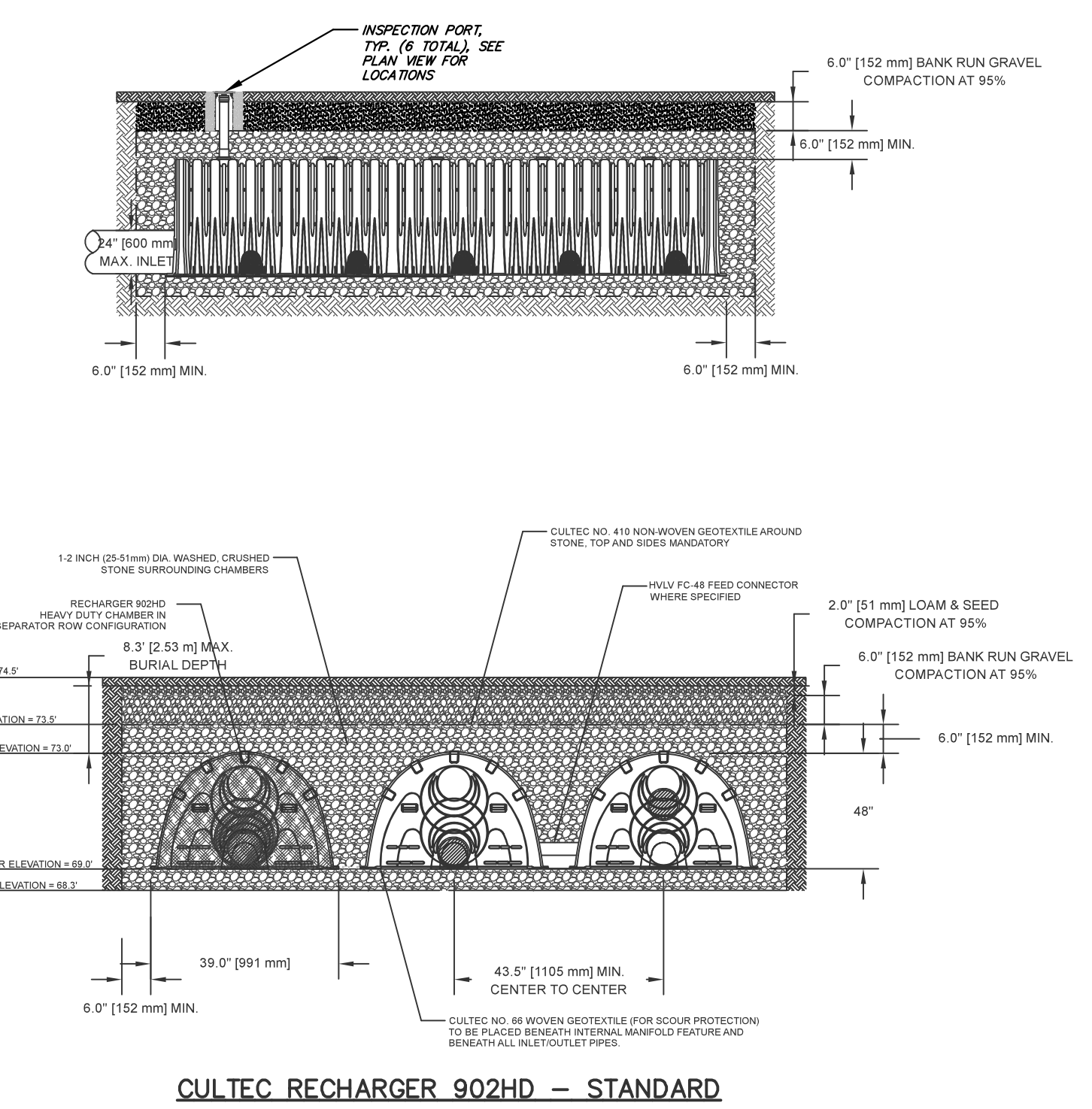
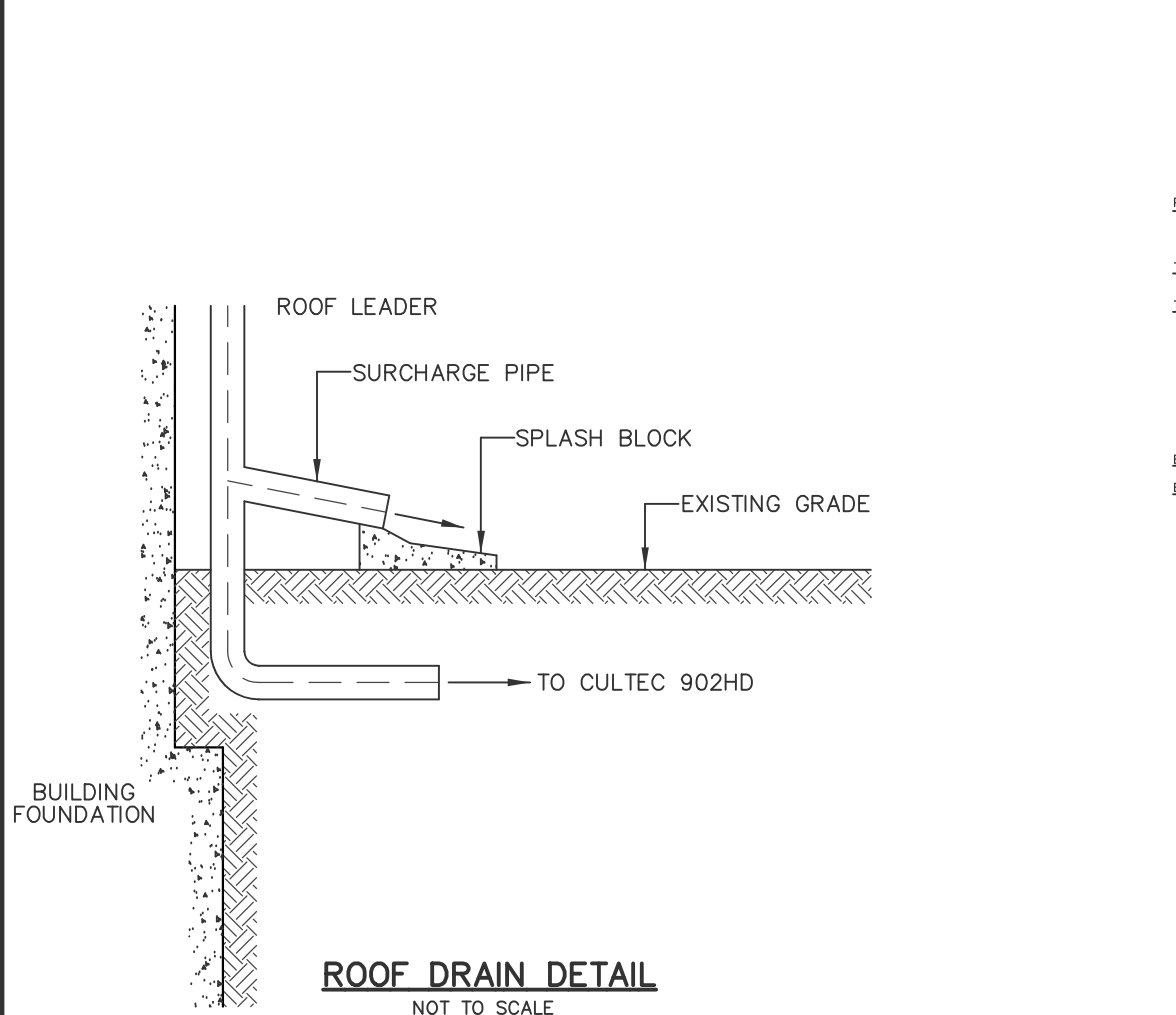
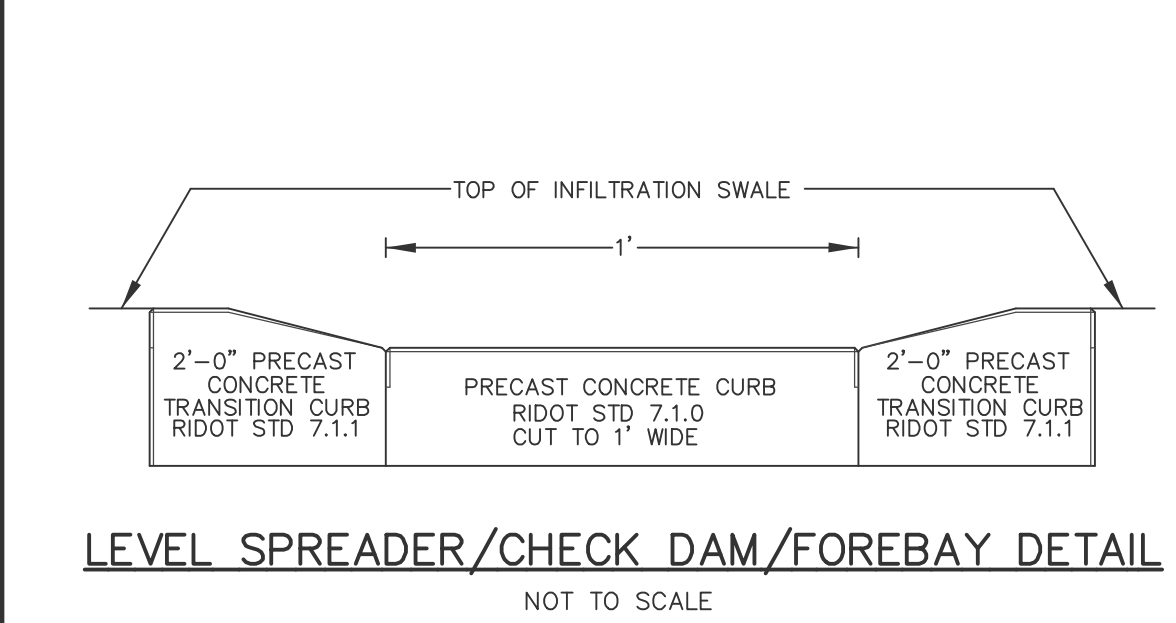
JOB NO. 3556	DRAWN BY: R.L.C.
DWG. NO. 3556-SV1	CHECKED: W.D.D.
SCALE:	APPROVED: M.L.D.
1"=20'	DATE:
	JAN. 20, 2022
SHEET:	
	1
	1 OF 1 SHEETS



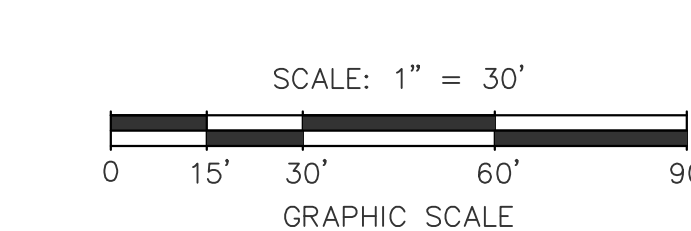
LOCATION MAP
(Not To Scale)



NOTE:
THERE WILL BE NO INCREASE IN PEAK RUNOFF OR VOLUME OF FLOW TO THE EXISTING STATE HIGHWAY.



- NOTES:**
- ALL WORK TO BE DONE WITHIN THE STATE ROW SHALL CONFORM TO THE RI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AMENDED MARCH 2016, WITH ALL REVISIONS AND ADDENDA. STANDARD DETAILS FOR THIS WORK ARE RI STANDARD DETAILS 1998 EDITION WITH ALL REVISIONS.
 - ALL TRAFFIC CONTROL ASSOCIATED WITH CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, 2009 EDITION, INCLUDING ALL REVISIONS.
 - THE OWNER AND THEIR "TO BE DETERMINED" CONTRACTOR WILL BE THE ENTITY RESPONSIBLE FOR ALL PROPOSED WORK IN THE STATE HIGHWAY.



PROPOSED CONDITIONS PLAN
FOR
A NEW EMS FACILITY
SITUATED IN THE TOWN OF
SOUTH KINGSTOWN, RHODE ISLAND
PREPARED FOR
THE TOWN OF SOUTH KINGSTOWN

NO.	REVISION	DATE
1.	RIDOT COMMENTS	1/27/25

MARK L. DOWDELL
1/27/25
No. 11104
REGISTERED PROFESSIONAL ENGINEER CIVIL

DE DOWDELL ENGINEERING
DOWDELL ENGINEERING ASSOCIATES, LLC
CIVIL & ENVIRONMENTAL ENGINEERS
SURVEYORS & LAND PLANNERS
P.O. BOX 1684 • 3949 OLD POST ROAD
(401) 384-1022 • RHODE ISLAND 02813
WEBSITE: dowdelleng.com EMAIL: mark@dowdelleng.com

JOB NO. 3556	DRAWN BY: R.L.C.
DWG. NO. 3556-PAP1	CHECKED: M.L.D.
SCALE: 1"=30'	APPROVED: M.L.D.
SHEET: 1	DATE: OCT. 7, 2024
1 OF 2 SHEETS	

EROSION CONTROL & SOIL STABILIZATION PROGRAM

1. DENUDE SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
2. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION PERIOD.
3. THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL CONFORM WITH R.I. STANDARD SPECIFICATION M. 20.
4. THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
5. THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING:
PERMANENT SEEDING MIXTURES:
A. -LAWNS:
FOR SUN OR SHADED: MODERATE MANAGEMENT SUGGESTED (IMPROVED U.R.I. NUMBER 2 LAWN SEED MIXTURE).

	LBS/ACRE	LBS/1000SF
RED FESCUE	40	.90
KENTUCKY BLUEGRASS *	40	.90
PERENNIAL RYEGRASS **	20	.45

* 50% (20 LBS/ACRE) MUST BE NAMED OR IMPROVED VARIETY, SUCH AS AMERICAN KENTUCKY BLUEGRASS.
** MUST BE NAMED OR IMPROVED VARIETY, SUCH AS YORKTOWN II PERENNIAL RYEGRASS.

SEDIMENTATION CONTROL PROGRAM

1. RIP-RAP SPLASH PADS SHALL BE INSTALLED AT THE OUTLETS FOR ALL CULVERTS DISCHARGING INTO A WATERWAY.
2. EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING THE WETLANDS.
3. ALL DISTURBED AREAS SUBJECT TO EROSION TENDENCIES WHETHER THEY ARE NEWLY FILLED OR EXCAVATED SHALL RECEIVE SUITABLE SLOPE PROTECTION.
4. DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
5. CARE SHALL BE TAKEN SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING EITHER EXISTING OR PROPOSED DRAINAGE OR SEWER STRUCTURES.
6. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED PERIODICALLY AND AFTER PERIODS OF RAINFALL. SUCH DEVICES SHALL BE REPAIRED OR REPLACED AS NEEDED.
7. CARE SHALL BE TAKEN SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECT TO STORM WATER FLOW.
8. ADDITIONAL HAYBALES OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.
9. ALL SEDIMENTS SHALL BE REMOVED FROM THE DETENTION BASINS OR STRUCTURES WHEN DIRECTED BY THE ENGINEER OR THE LOCAL CONSERVATION COMMISSION.
10. REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE R.I.D.E.M. AND THE U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, AS A GUIDE. REVISED-2014, UPDATED 2016.
11. THE PERSON IN REONSIBLE CHARGE IS RICH BOURBONNAIS. TEL: 401-789-9331 x252.

ORDER OF PROCEDURE

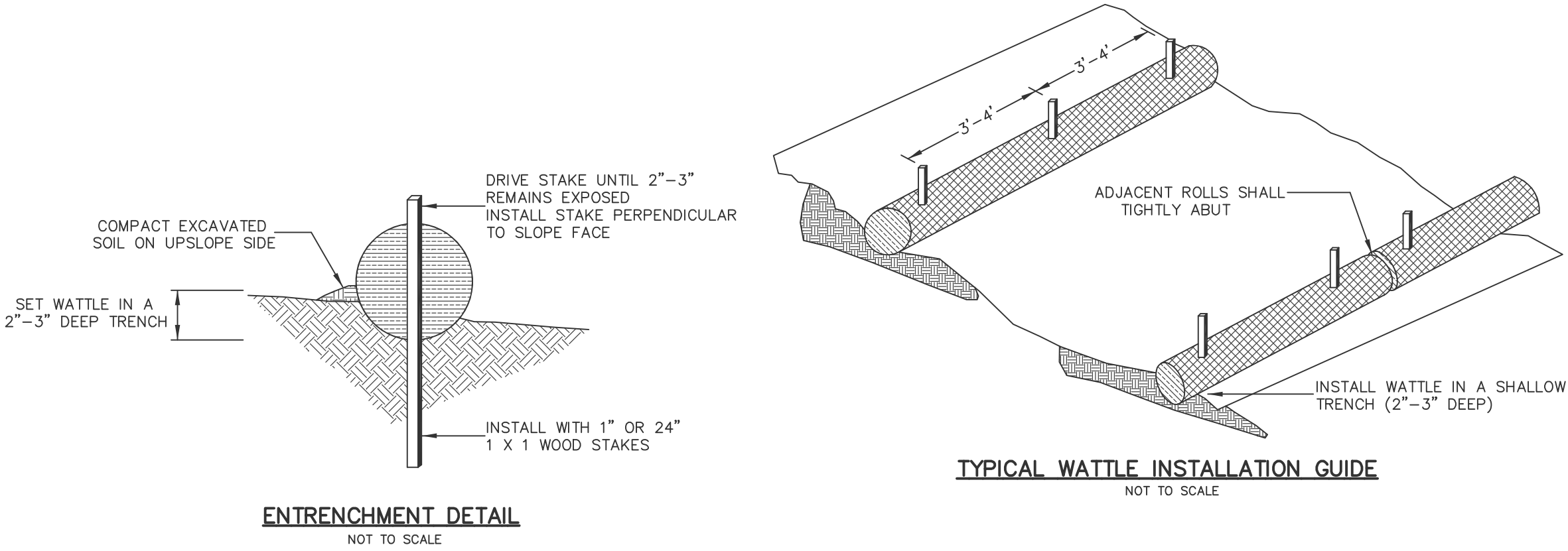
1. IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING OPERATION AND PRIOR TO ANY ROUGH GRADING, TEMPORARY HAYBALES OR SANDBAGS SHALL BE PLACED OUTSIDE THE LIMITS OF CONSTRUCTION AS PER THE PLANS (I.E. ALONG NEW ROADWAYS, STREAMBANKS, CRITICAL AREAS, ETC.)
2. ALL EROSION AND SEDIMENTATION STRUCTURES SHALL BE PERIODICALLY CLEANED AND MAINTAINED AS PER THE RESPECTIVE PROGRAMS DURING THE CONSTRUCTION.
3. IF WORK PROGRESS IS TO BE INTERRUPTED AT ANY TIME, REFERENCE EROSION AND SEDIMENTATION PROGRAMS FOR TEMPORARY CONTROL.
4. TEMPORARY HAYBALES AND SANDBAGS ALONG AND AT THE END OF ROADWAYS MAY BE REMOVED AFTER FINAL SOIL STABILIZATION HAS BEEN ACHIEVED.
5. HAYBALES LOCATED AT DRAINAGE OUTLETS MUST REMAIN UNTIL SUCH TIME THAT A DESIRABLE STAND OF GRASS OR GROUND COVER HAS BEEN ESTABLISHED AND THE PROJECT RECEIVES A FAVORABLE APPROVAL FOR FINAL ACCEPTANCE FROM THE ENGINEER.
6. ONLY THOSE AREAS SHOWN ON THE ATTACHED SITE PLAN, THE LIMITS OF WHICH ARE DESIGNATED BY THE EXTENT OF THE PROPOSED CONTOURS, ARE SUBJECT TO THE EROSION CONTROL MEASURES SPECIFIED ABOVE.

RIP RAP INSTALLATION AND MAINTENANCE REQUIREMENTS

1. THE SUBGRADE FOR THE RIPRAP SHALL BE PREPARED TO THE REQUIRED LINES AND GRADES. ANY FILL REQUIRED IN THE SUBGRADE SHALL BE COMPACTED TO A DENSITY APPROXIMATING THAT OF THE SURROUNDING UNDISTURBED MATERIAL. BRUSH, TREES, STUMPS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED.
2. PLACEMENT OF RIPRAP SHALL FOLLOW IMMEDIATELY AFTER ESTABLISHING THE SUBGRADE. THE RIPRAP SHALL BE PLACED SO THAT IT PRODUCES A WELL GRADED MASS OF STONE WITH A MINIMUM OF VOIDS. THE DESIRED DISTRIBUTION OF STONES THROUGHOUT THE MASS MAY BE OBTAINED BY SELECTIVE LOADING AT THE QUARRY, CONTROLLED DUMPING OF SUCCESSIVE LOADS DURING FINAL PLACING, OR BY A COMBINATION OF THESE METHODS. THE RIPRAP SHALL BE PLACED TO ITS FULL THICKNESS IN ONE OPERATION AND NOT IN LAYERS. THE RIPRAP SHALL NOT BE PLACED BY DUMPING INTO CHUTES OR SIMILAR METHODS WHICH ARE LIKELY TO CAUSE SEGREGATION OF THE VARIOUS STONE SIZES. CARE SHALL BE TAKEN NOT TO DISLODGE THE UNDERLYING MATERIAL WHEN PLACING THE STONES.
3. THE FINISH SLOPE SHALL BE FREE OF POCKETS OF SMALL STONE OR CLUSTERS OF LARGE STONES AND THE FINAL FACE OF THE RIPRAP SURFACE MUST BE SET AT THE SPECIFIED GRADE OF REPOSE. HAND PLACING MAY BE NECESSARY TO ACHIEVE THE REQUIRED GRADES AND A GOOD DISTRIBUTION OF STONE SIZES. THE FINAL THICKNESS OF THE RIPRAP BLANKET SHALL BE WITHIN PLUS OR MINUS 1/4 OF THE SPECIFIED THICKNESS.
4. ONCE THE RIPRAP INSTALLATION HAS BEEN COMPLETED THE FINAL PRODUCT SHALL BE INSPECTED MONTHLY FOR A PERIOD OF SIX (6) MONTHS FOLLOWING PLACEMENT. IF REPAIRS ARE NEEDED THEY SHALL BE ACCOMPLISHED IMMEDIATELY FOLLOWING SAID INSPECTION.

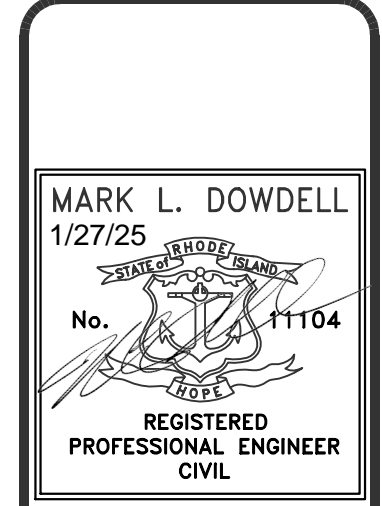
GENERAL NOTES

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS REQUIRED BY THE STATE OF RHODE ISLAND AND THE MUNICIPALITY PRIOR TO COMMENCING OF ANY WORK.
2. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF ALL EXISTING UTILITIES, STRUCTURES, AND ABUTTING PROPERTIES. THE COST OF ANY REPAIR OR REPLACEMENT OF DAMAGED ITEMS SHALL BE BORNE BY THE CONTRACTOR.
3. BEFORE STARTING ANY CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ANY HYDRANTS, BLOWOFF ASSEMBLIES, WATER MAINS, FITTINGS AND VALVES WITH THE LOCAL WATER DEPARTMENT AS TO TYPE AND MANUFACTURER.
4. ALL WATER MAINS SHALL BE CLASS 52 DUCTILE IRON, DOUBLE CEMENT MORTAR LINED, PUSH ON STYLE JOINTS.
5. FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT CLASS 350 CEMENT MORTAR LINED COMPACT STYLE AMERICAN MANUFACTURED ONLY.
6. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE MUNICIPAL ENGINEERING DEPARTMENT AND ALL UTILITY INSTALLATIONS AND INSPECTIONS WITH THE APPROPRIATE UTILITY CO. A 24 HOUR ADVANCE NOTICE IS REQUIRED BEFORE WORK COMMENCEMENT.
7. ALL WORK TO BE DONE WITHIN THE STATE ROW SHALL CONFORM TO THE RI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AMENDED MARCH 2018 WITH ALL REVISIONS AND ADDENDA. STANDARD DETAILS FOR THIS WORK ARE RI STANDARD DETAILS 1998 EDITION WITH ALL REVISIONS, AND THE TOWN OF SOUTH KINGSTOWN SUBDIVISION REQUIREMENTS.
8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR QUANTITY TAKE OFF IN COMPUTING AND ESTIMATES.
9. EMBANKMENT SLOPES AND ALL DISTURBED AREAS ARE TO RECEIVE 4" OF TOPSOIL AND SEED. SEE EROSION CONTROL PROGRAM DETAILS.
10. UNLESS OTHERWISE SPECIFIED, ALL STORM DRAINS SHALL BE REINFORCED CONCRETE CLASS IV PIPE.
11. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION INDICATED ON THESE PLANS. THAT IS ANY CONSTRUCTION TO BRING UTILITIES TO THE SITE, ANY REPAIRS, ANY TRENCHING REQUIRED, HYDRANTS, FIRE ALARMS, ANY AND ALL CONSTRUCTION FOR ACCEPTANCE OF ROADS AND EASEMENTS.
12. ALL SEWER MAINS SHALL BE P.V.C. PIPE, SIZES AND SLOPES TO BE SHOWN ON PLANS AND PROFILES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY, SEDIMENTATION AND SOIL EROSION CONTROL MEASURES.
14. THE LOCATION OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE AND SHOULD BE VERIFIED BY THE CONTRACTOR WITH THE APPROPRIATE UTILITY COMPANIES.
15. IN ALL EXCAVATION AND PLACEMENT OF FILL THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE R.I. STANDARD SPECIFICATION SECTION 202.
16. FLARED END SECTIONS ARE TO BE R.I. STANDARD 2.3.0 WITH A R.I. STANDARD 2.12 CLASS C RIP RAP END SECTION (UNLESS OTHERWISE NOTED).
17. CATCH BASINS ARE TO BE R.I. STANDARD 4.4.0 TYPE "R" GRATE.
18. DRAIN MANHOLES ARE TO BE R.I. STANDARD 4.2.0 WITH A R.I. STANDARD 6.2.1 HEAVY DUTY FRAME AND COVER.
19. BRICK AND BLOCK MANHOLES AND CATCH BASINS MAY BE USED IN LIEU OF THE ABOVE MENTIONED STRUCTURES WITH PRIOR APPROVAL OF THE ENGINEER.
20. PIPE BEDDING SHALL CONFORM TO R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 701. CLASS B BEDDING WILL BE USED FOR ALL STORM DRAINS AND CLASS C BEDDING WILL BE USED FOR ALL SANITARY SEWERS UNLESS OTHERWISE SPECIFIED ON THE PLANS.
21. ALL WATER MAINS ARE TO BE INSTALLED WITH A MINIMUM RADIUS OF 300 FEET AT ANY LOCATION WHERE THIS IS NOT POSSIBLE, PROPER FITTINGS AND THRUST BLOCKS SHALL BE USED.
22. THE PROPOSED WATER DISTRIBUTION SYSTEM SHALL CONFORM TO THE LOCAL WATER AUTHORITY'S REQUIREMENTS FOR SERVICE AND MAIN INSTALLATION.
23. HEAVY MACHINERY SHALL NOT BE ALLOWED TO PASS OVER THE DRY SWALES.



EROSION CONTROL AND NOTES SHEET
 FOR
 A NEW EMS FACILITY
 SITUATED IN THE TOWN OF
 SOUTH KINGSTOWN, RHODE ISLAND
 PREPARED FOR
 THE TOWN OF SOUTH KINGSTOWN

NO.	REVISION	DATE



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 SURVEYORS & LAND PLANNERS
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JOB NO. 3556	DRAWN BY: R.L.C.
DWG. NO.3556-PAP2	CHECKED: M.L.D.
SCALE: AS NOTED	APPROVED: M.L.D.
DATE: OCT. 7, 2024	