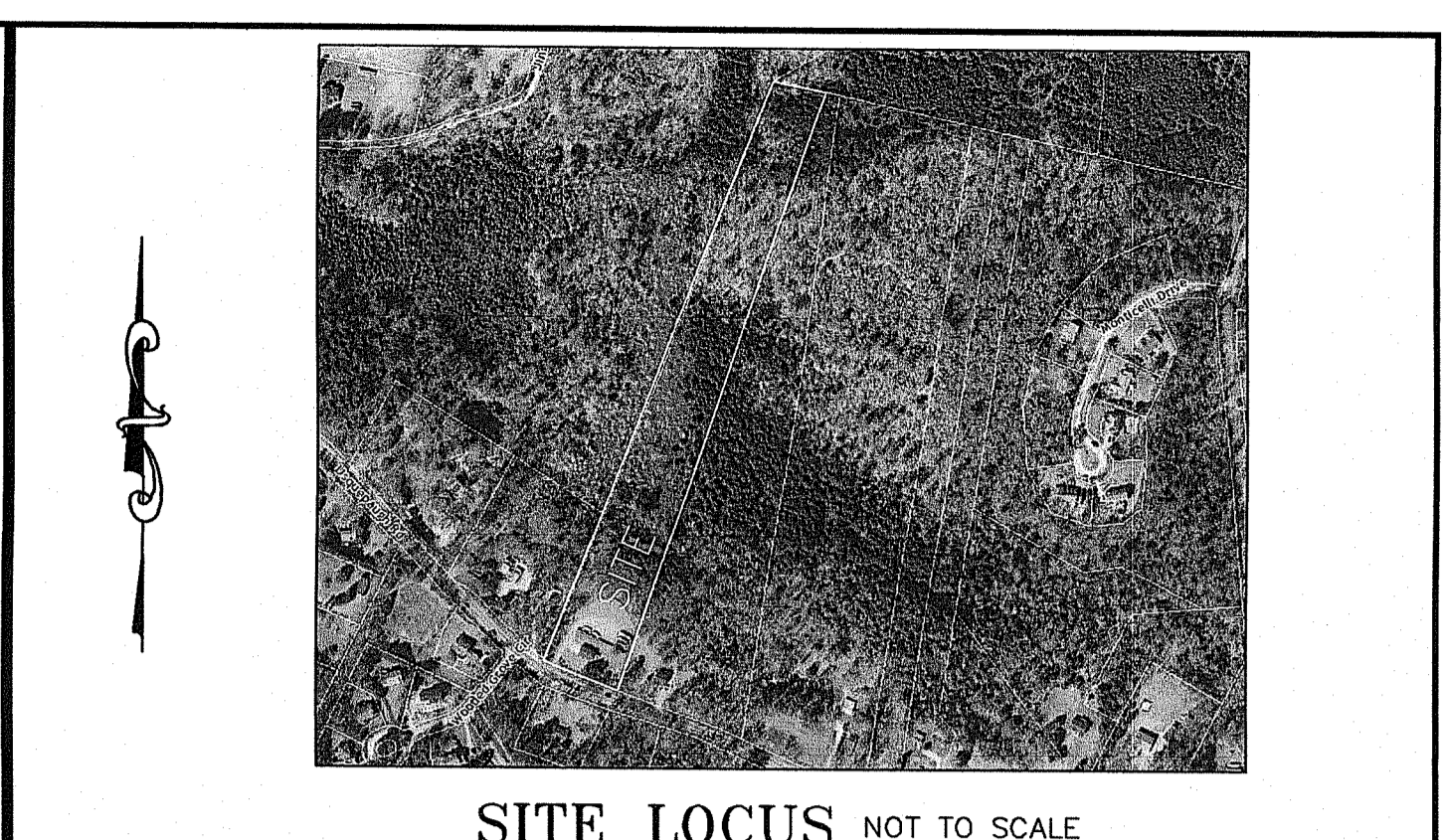


LEGEND

PROPERTY LINE	---
ABUTTER LINE	---
EX. EDGE OF PAVEMENT	---
EX. CONTOUR	---87---
EX. TREE	○
EX. WELL	○
EX. TRENCH	---
EX. STONE WALL	---
EX. BUILDING	---
EX. WATER SERVICE	---
PROPOSED BUILDING	---
EX. CATCH BASIN	---
PROPOSED COMPOST FILTER SOCK	---
PROPOSED DRAINLINE	---
PROPOSED WATER SERVICE	---
LIMIT OF DISTURBANCE	---
BUFFER	---
BUFFER ZONE	---
PROPOSED BOULDER	---



DESIGN CALCULATIONS

TOTAL FLOW:
 EXISTING 3 BEDROOM X 115 GALLON PER BEDROOM = 345 GALLONS/DAY
 - EXISTING 1,500 GALLON SEPTIC TANK (2 COMPARTMENT) PER RIDEM PERMIT NUMBER 1832-0806

PROPOSED 1 BEDROOM X 115 GALLON PER BEDROOM = 115 GALLONS/DAY
 - PROPOSED 1,000 GALLON SEPTIC TANK (2 COMPARTMENT) WITH PUMP TANK PER RIDEM DESIGN STANDARDS

TOTAL FLOW = 345 + 115 = 460 GALLONS/DAY

EXISTING 5 BEDROOM LEACHFIELD DESIGN PER RIDEM PERMIT NUMBER 1832-0806

SPECIFICATIONS

- THE SYSTEM FOR SUBSURFACE DISPOSAL OF SANITARY SEWAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, "RULES ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION, AND MAINTENANCE OF ON-SITE WASTEWATER TREATMENT SYSTEMS" RULE 6.2 THROUGH RULE 6.58.
- THE PIPE FROM THE BUILDING TO THE SEPTIC TANK SHALL BE SDR-35 PVC PIPE OR EQUIVALENT. SCH-40 PVC OR EQUIVALENT TO BE USED FOR ALL PORTIONS SUBJECT TO VEHICULAR TRAFFIC.
- SOLID WALL PIPE AND FITTINGS SHALL BE SCHEDULE 35 PVC (POLYVINYL CHLORIDE) MANUFACTURED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF ASTM D 3034. JOINTS SHALL BE SOLVENT WELDED TYPE.
- THE SEPTIC TANK MUST HAVE TWO COMPARTMENTS WITH THE FIRST COMPARTMENT HAVING A LIQUID VOLUME THAT IS TWO THIRDS THE REQUIRED VOLUME OF THE ENTIRE TANK. THE SEPTIC TANK SHALL BE WATER TIGHT, AND CONSTRUCTED OF PRECAST REINFORCED CONCRETE, FIBERGLASS, OR OTHER MATERIALS APPROVED BY THE RIDEM. OUTLET TEES MUST BE EQUIPPED WITH AN EFFLUENT SCREEN. THE INLET AND OUTLET TEES MUST HAVE A MINIMUM OF 20 INCH ACCESS OPENINGS. THE OUTLET TEE RISER MUST BE AT FINISH GRADE, AND THE INLET TEE RISER WITHIN 12 INCHES OF FINISH GRADE.
- THE DISTRIBUTION BOX SHALL BE A WATERTIGHT PRECAST CONCRETE STRUCTURE OR OTHER DURABLE MATERIAL MEETING THE REQUIREMENTS OF THE SPECIFICATIONS WITH A Baffle AND SUITABLE PIPE PENETRATION KNOCKOUTS.
- WASHED STONE AND OTHER SOIL MATERIALS SHALL BE IN CONFORMANCE WITH THE STATE RULES AND REGULATIONS, RULE 6.33K.
- WHENEVER THE SYSTEM IS TO BE CONSTRUCTED WHOLLY OR PARTIALLY IN FILL, THE PROCEDURE AS DEFINED IN RULE 6.33 OF THE STATE RULES AND REGULATIONS SHALL APPLY.
- THE DESIGN INTENT IS TO MEET THE STATE STANDARDS. THE SYSTEM OPERATION IS DEPENDENT ON PROPER USAGE, AND IT'S OPERATION IS NOT GUARANTEED BY THIS PLAN.

NOTE:
 CONTRACTOR TO VERIFY BENCHMARK & EXISTING CONDITIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN FIELD AND DESIGN DATA SHOWN HEREON TO BE REPORTED TO THE ENGINEER

ZONING R-80:

RURAL RESIDENTIAL YIELD R-80

MIN. LOT SIZE	80,000 SF	±349,787 SF
MIN. LOT WIDTH	200 FT	> 200 FT
MIN. FRONT SETBACK	50 FT	> 50 FT
MIN. SIDE SETBACK (ACCSY.)	20 FT	21 FT / >20 FT
MIN. REAR SETBACK (ACCSY.)	20 FT	> 20 FT
MAX. BUILDING COVERAGE	20%	0.97% (SEE CALCS)
MAX. BUILDING HEIGHT(ACCSY.)	20 FT	< 20 FT

LOT BUILDING COVERAGE CALCS

EXISTING PRINCIPAL BUILDING = 1,001 SF
 TOTAL EXISTING = 1,001 SF
 PROPOSED ACCSY. STRUCTURE = 2,400 SF
 TOTAL PROPOSED = 2,400 SF

TOTAL COVERAGE = 1,001 + 2,400 = 3,401 SF
 TOTAL LOT AREA = ±349,787 SF

TOTAL PROPOSED BUILDING COVERAGE
 3,401 SF / TOTAL LOT AREA = 0.0097 X 100% = 0.97%
 0.97% < 20% O.K.

SURVEY & PLAN REFERENCES:

- FINAL PLAN SUBMISSION FOR "USQUEPAUGH TERRACE" MINOR SUBDIVISION A.P. 13-1 LOT 42 USQUEPAUGH ROAD SOUTH KINGSTOWN, RHODE ISLAND BY PRINCIPE ENGINEERING, INC. DATED 08/28/18.
- "PLAN OF LAND SHOWING EXISTING CONDITIONS" FOR A.P. 13-1 LOT 42 USQUEPAUGH ROAD SOUTH KINGSTOWN, RHODE ISLAND, PREPARED BY NORTHEAST ENGINEERS & CONSULTANTS, INC., DATED AUG 2015, REVISED 3/18/16.
- RIDEM OWTS PERMIT NUMBER 1832-0807
- RIDEM OWTS PERMIT NUMBER 1832-0806

WETLAND NOTE:

1. WETLANDS FLAGGED BY NATURAL RESOURCE SERVICES, INC. IN JULY AND OCTOBER, 2015. THE A & B SERIES WERE SURVEY LOCATED BY NORTHEAST ENGINEERS & CONSULTANTS, INC. THE C & D SERIES WERE LOCATED BY NATURAL RESOURCE SERVICES, INC. (SEE PLAN REF. #2)

ARCHITECT NOTE:

IT IS THE RESPONSIBILITY OF THE ARCHITECT TO FINALIZE SITE LAYOUT & COORDINATE ELEMENTS WITH ENGINEER PRIOR TO CONSTRUCTION. FINAL GRADING & LAYOUT SHALL BE COORDINATED AND VERIFIED THROUGH ARCHITECT DRAWINGS.

ARCHITECT PLAN:

PLAN ENTITLED "60 X 40 GARAGE W/ APARTMENT" FOR J THOMAS CONSTRUCTION BY DLR DIMENSIONS 401-738-3156 DRAWING NUMBER: 3250

SOIL EVALUATION NOTE:

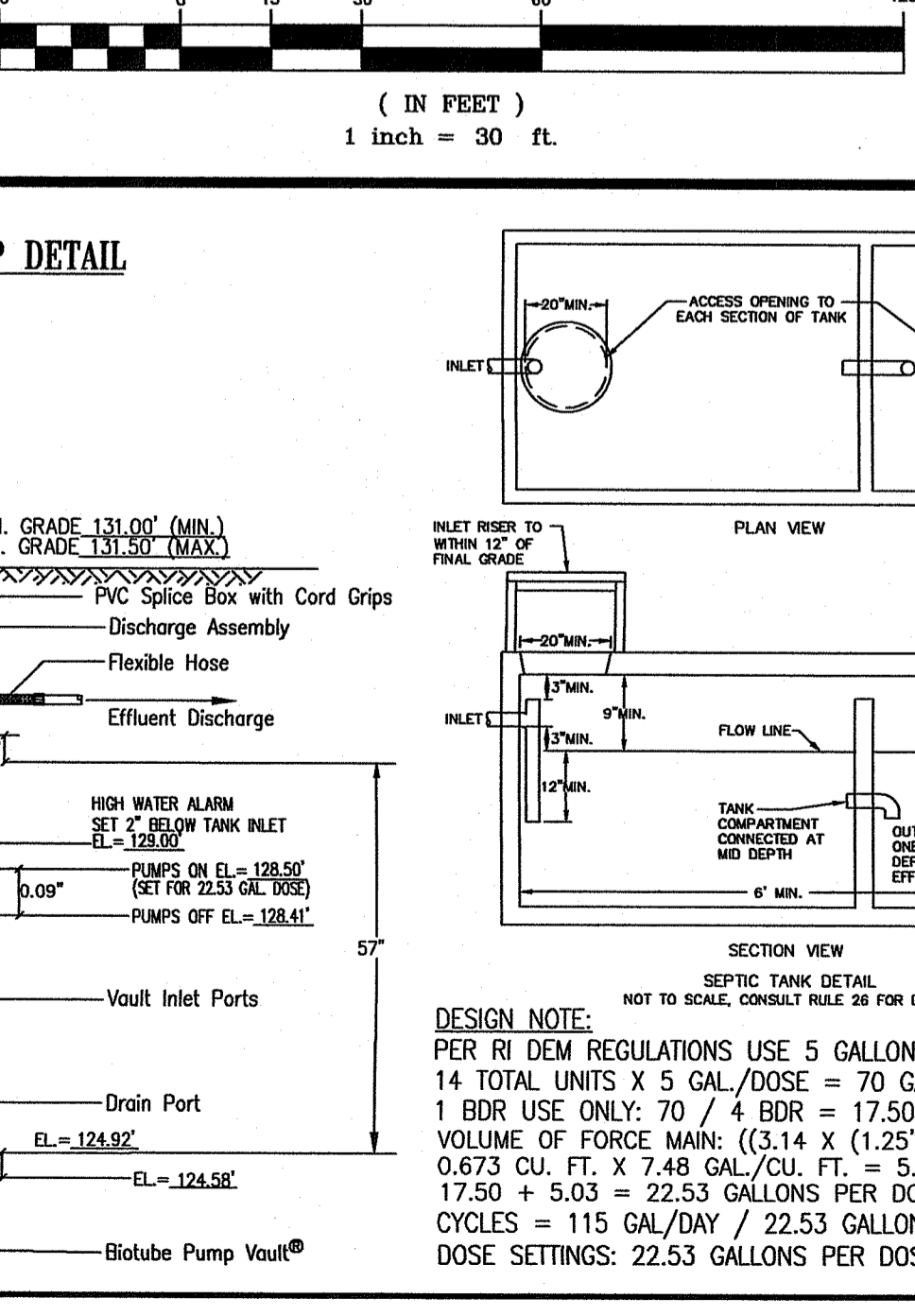
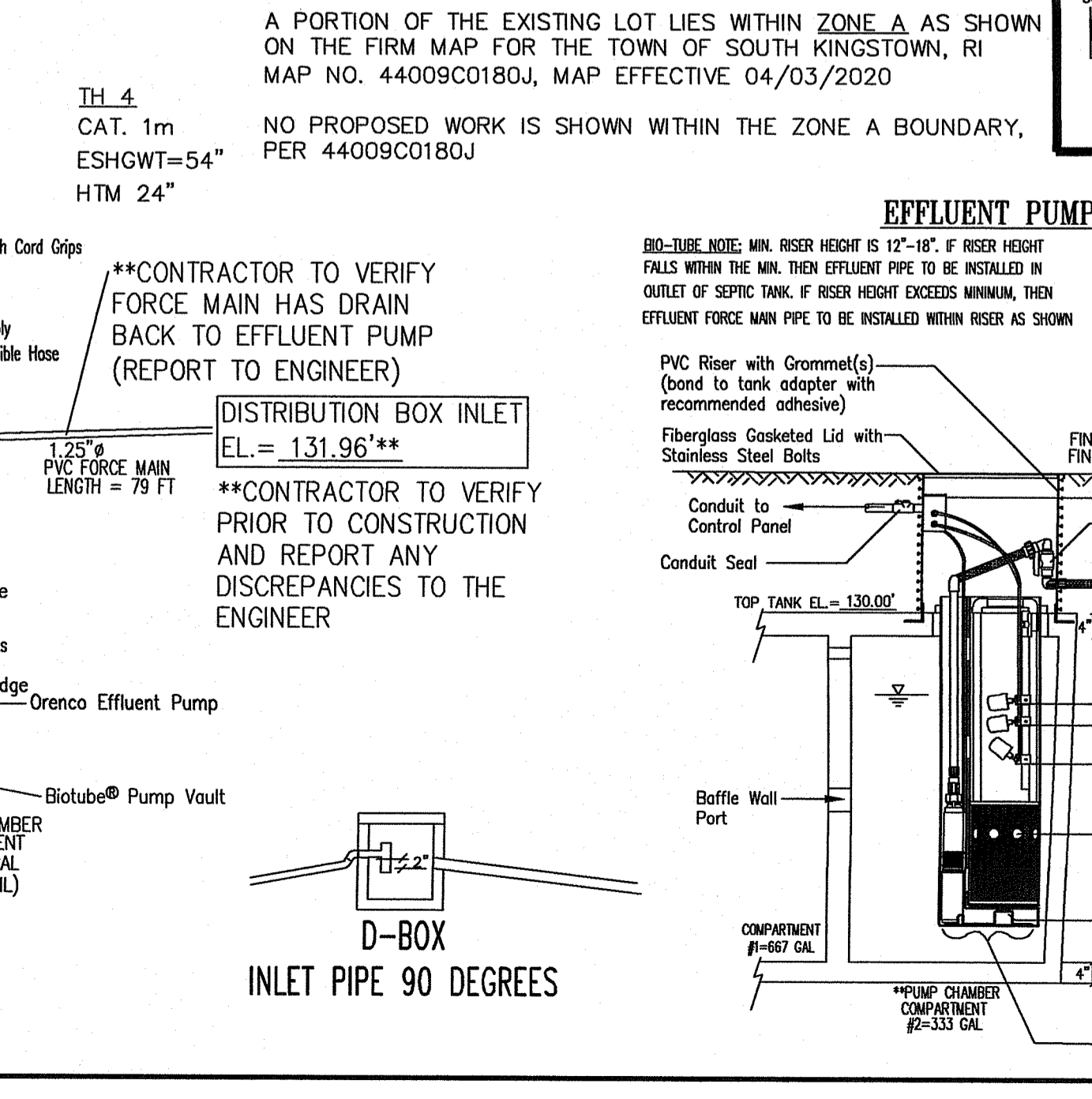
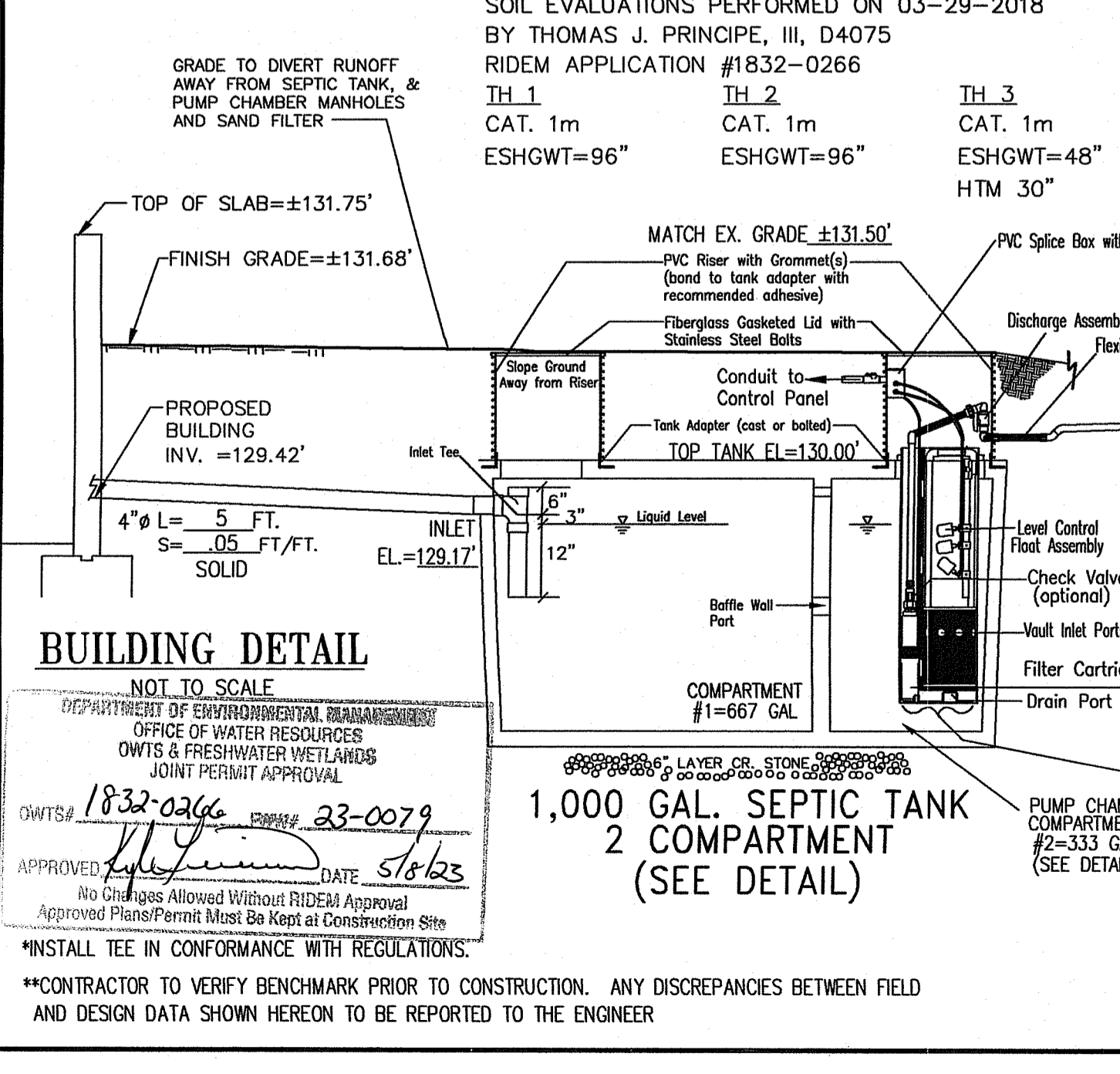
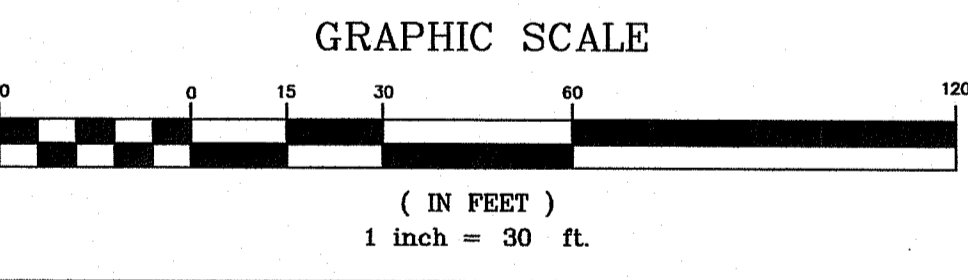
SOIL EVALUATIONS PERFORMED ON 03-29-2018 BY THOMAS J. PRINCIPE, III, D4075 RIDEM APPLICATION #1832-0266

TH 1	TH 2	TH 3	TH 4
CAT. 1m	CAT. 1m	CAT. 1m	CAT. 1m
ESHGWT=96"	ESHGWT=96"	ESHGWT=48"	ESHGWT=54"
		HTM 30"	HTM 24"

FEMA FLOOD NOTE:

A PORTION OF THE EXISTING LOT LIES WITHIN ZONE A AS SHOWN ON THE FIRM MAP FOR THE TOWN OF SOUTH KINGSTOWN, RI MAP NO. 44009C0180J, MAP EFFECTIVE 04/03/2020

NO PROPOSED WORK IS SHOWN WITHIN THE ZONE A BOUNDARY, PER 44009C0180J



DESIGN NOTE:

PER RI DEM REGULATIONS USE 5 GALLONS PER UNIT DOSE

14 TOTAL UNITS X 5 GAL./DOSE = 70 GALLONS/DOSE

1 BDR USE ONLY: 70 / 4 BDR = 17.50 GALLONS/DOSE/BDR

VOLUME OF FORCE MAIN: $(3.14 \times (1.25/2)^2 \times 144) \times 79' = 0.673$ CUBIC FEET

0.673 CU. FT. X 7.48 GAL./CU. FT. = 5.03 GALLONS

17.50 + 5.03 = 22.53 GALLONS PER DOSE

CYCLES = 115 GAL./DAY / 22.53 GALLONS PER DOSE = 5.10 CYCLES/DAY

DOSE SETTINGS: 22.53 GALLONS PER DOSE / (4.17 FT X 8 FT X 7.48 GAL./CU. FT.) = 0.09 FT (FOR 1,000 GAL. SEPTIC TANK)

Thomas J. Principe, III
 No. 9107
 REGISTERED PROFESSIONAL ENGINEER

PRINCIPE COMPANY, INC.
 ENGINEERING DIVISION
 27 SAKONNET RIDGE DRIVE
 TIVERTON, RI 02878
 401.816.5385
 www.PrincipeCompany.com

REVISIONS

No.	DATE	DRWN	CHKD

ON-SITE WASTEWATER TREATMENT SYSTEM ALTERATION
 for
AP 13-1 LOT 42
383 USQUEPAUGH ROAD
 in
 SOUTH KINGSTOWN, RHODE ISLAND

SCALE: 1" = 30' SHEET NO: 1 of 2

DRAWN BY: NEC DESIGN BY: NEC CHECKED BY: TJP

DATE: 03/20/23 PROJECT NO.: LD-2018-44

EROSION CONTROL & SOIL STABILIZATION PROGRAM

1. DENUDED 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 YEAR.
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. STD SPECIFICATION M 18.
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. MOWED AREA (ALL FLATS OR SLOPES LESS THAN 3:1)

MIXTURE:	% BY WEIGHT:
RED FESCUE	75
KENTUCKY BLUEGRASS	15
COLONIAL BENTGRASS	5
PERENNIAL RYEGRASS	5
TOTAL:	100 lbs/Ac.

B. UNMOWED AREA OR INFREQUENTLY MOWED (ALL SLOPES GREATER THAN 3:1)

MIXTURE:	% BY WEIGHT:
RED FESCUE	75
COLONIAL BENTGRASS	5
PERENNIAL RYEGRASS	5
BIRDFOOT TREFOL	15
TOTAL:	100 lbs/Ac.

6. TEMPORARY TREATMENTS SHALL CONSIST OF A HAY, STRAW, OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS) THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
7. HAY OR STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3,000 - 4,000 lbs/Ac.
8. ALL HAYBALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP MINIMIZE THE EROSION. A TEMPORARY SEEDING GUIDE MUST BE INCLUDED AS A REFERENCE. THE FOLLOWING SPECIES ARE RECOMMENDED:

MIXTURE:	lbs./1,000 S.F.
ANNUAL RYEGRASS	1.0 - 1.5
PERENNIAL RYEGRASS	1.0 - 1.5
SUDAN GRASS	0.7 - 1.0
MILLET	0.7 - 1.0
WINTER RYE	3.0
OATS	0.5 - 5.0
WEEDING COVER GRASS	0.5 - 5.0

9. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE.
10. ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE R.I.D.P.W. STD SPECIFICATIONS SECTION 202.
11. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 15 DAYS OF FINAL GRADING.
12. STOCKPILES OF TOPSOIL SHALL NOT BE LOCATED NEAR WATERWAYS, THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES SHALL ALSO BE SEEDED AND/OR STABILIZED.
13. ON BOTH STEEP AND LONG SLOPES CONSIDERATION SHALL BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.
14. REFERENCE THE SEDIMENTATION CONTROL PROGRAM AND ORDER OF PROCEDURE FOR PROPER COORDINATION
15. THE DRAINAGE SYSTEM SHALL RECEIVE ONE FINAL CLEANING PRIOR TO ACCEPTANCE TO THE OVERALL PROJECT BY THE OWNER SEDIMENTS SHALL BE DISPOSED OF IN A PROPER MANNER.

ORDER OF PROCEDURE:

1. PRIOR TO ANY CLEARING AND GRUBBING OR ANY ROUGH GRADING, TEMPORARY HAYBALES AND SANDBAGS SHALL BE PLACED OUTSIDE THE LIMITS OF CONSTRUCTION AS PER THE PLANS (I.E. ALONG ROADWAYS, STREAM BANKS, CRITICAL AREAS, ETC.).
2. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE PERIODICALLY MAINTAINED AS PER THE RESPECTIVE PROGRAMS FOR TEMPORARY CONTROL.
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 ENDS OF ROADWAYS MAY ALSO BE REMOVED AFTER FINAL SOIL STABILIZATION HAS BEEN ACHIEVED AND APPROVED.
5. HAYBALES LOCATED AT DRAINAGE OUTLETS MUST REMAIN UNTIL SUCH TIME THAT A DESIRABLE STAND OF GRASS OR COVER HAS BEEN ESTABLISHED AND THE PROJECT RECEIVES A FAVORABLE APPROVAL FOR FINAL ACCEPTANCE FROM THE ENGINEER.

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 ENTERING THE WETLANDS.
3. ALL DISTURBED AREAS SUBJECT TO EROSION TENDENCIES WHETHER THEY BE NEWLY FILLED OR EXCAVATED SHALL BE SEEDED AND PROTECTED WITH A FIBER MULCH.
4. DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
5. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.
6. CARE SHOULD 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 SUBJECTED TO STORM WATER FLOW.
7. ADDITIONAL HAYBALES OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT.
8. ALL SEDIMENTS SHALL BE REMOVED FROM THE DRAINAGE AND DETENTION FACILITIES AS SCHEDULED FOR EACH FACILITY (SEE DETENTION BASIN MAINTENANCE, THIS SHEET).
9. REFERENCE THE "R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, AS A GUIDE.

VEGETATIVE COVER AND PLANTING

1. THE NORMAL ACCEPTABLE SEASONABLE SEEDING DATES ARE APRIL 1ST THROUGH OCTOBER 15TH.
2. TOP SOIL FOR PERMANENT OR LONG TERM TEMPORARY SEEDING SHOULD HAVE A SANDY LOAM TEXTURE, RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS. TOP SOIL SHALL CONFORM WITH RHODE ISLAND SPECIFICATIONS M18.01.
3. THE DESIGN SEED MIX UTILIZED IN ALL DISTURBED AREAS TO BE SEEDDED SHALL BE COMPRISED OF THE FOLLOWING:

TYPE	% BY WEIGHT	SEEDING DATE
CREeping RED FESCUE	70	
ASTORIA BENTGRASS	5	APRIL 1 - JUNE 15
BIRDFOOT TREFOL	15	AUG. 15 - OCT. 15
PERENNIAL RYE GRASS	10	

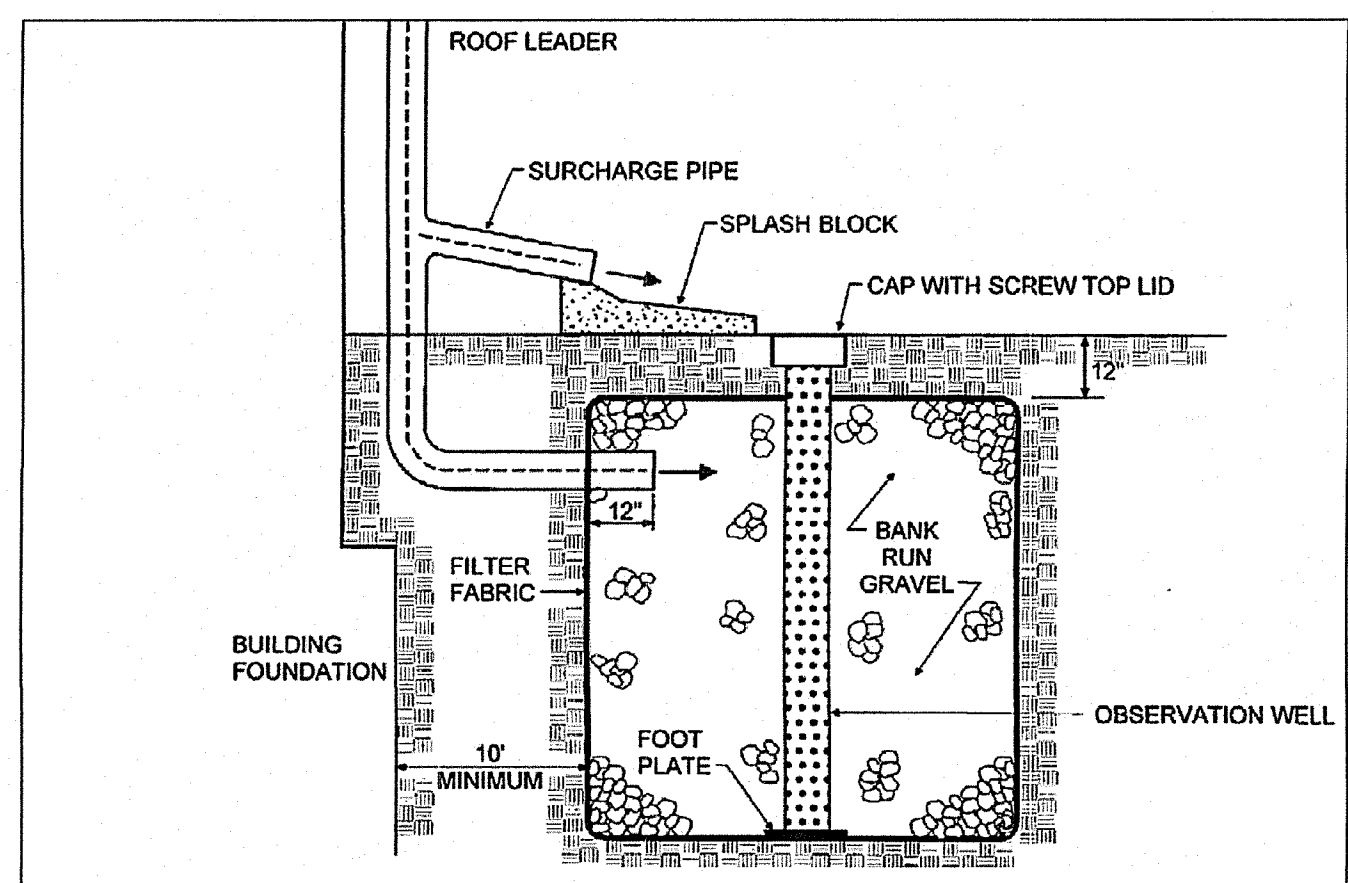
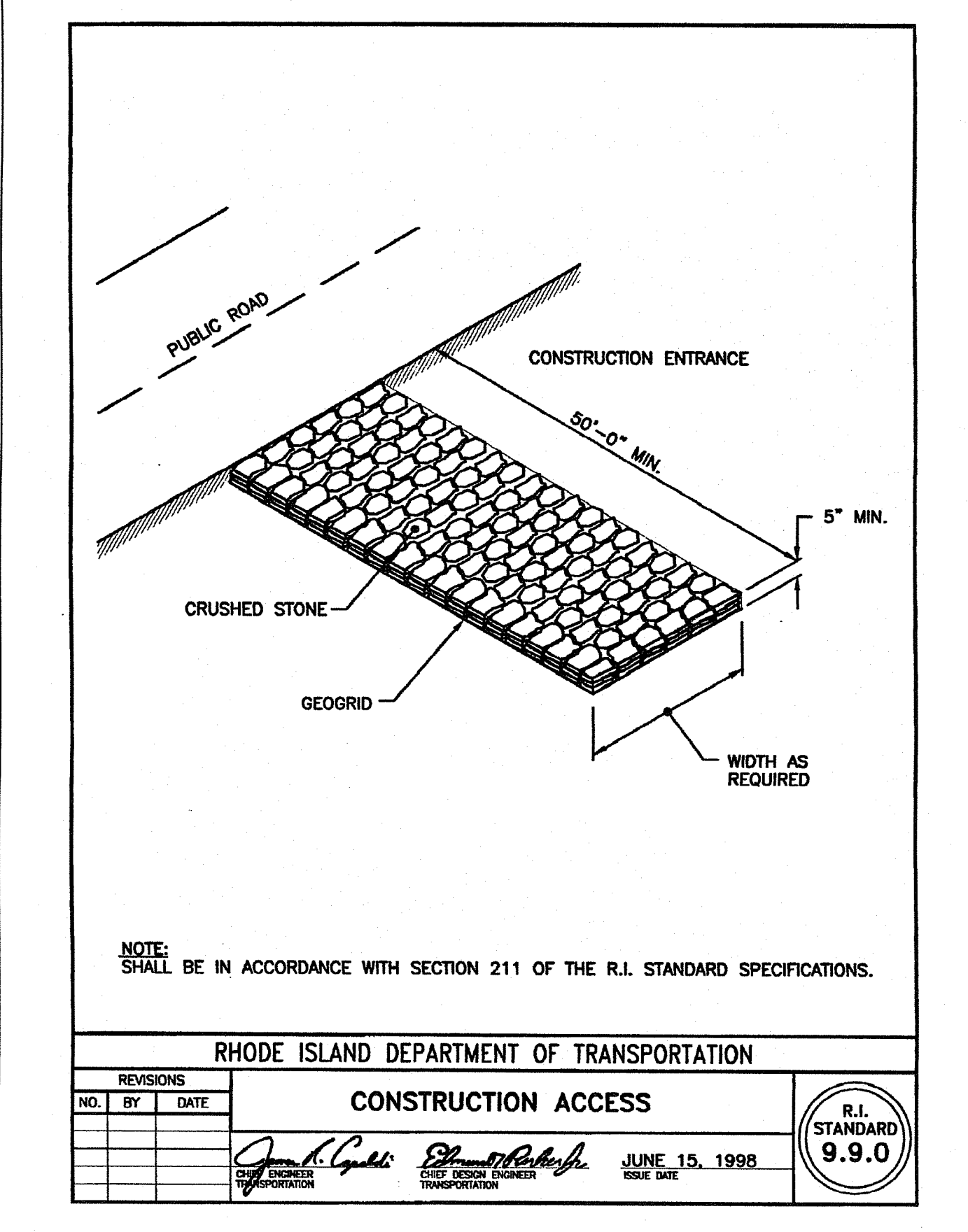
APPLICATION RATE - 100 LBS PER ACRE

SEED MIX SHALL BE INOCULATED WITHIN 24 - HOURS BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH SEED VARIETY. ALTERNATE SEED TYPES DUE TO SITE SPECIFIC CONDITIONS AND SOILS ARE ACCEPTABLE WITH THE ENGINEER'S APPROVAL.

4. IN TOPSOIL SEEDING AREAS, THE CONTRACTOR WILL LIME AND FERTILIZE AS REQUIRED TO COMPLIMENT OR UPGRADE SOIL CONDITIONS.
5. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY PERMANENT VEGETATIVE COVER AREAS THAT DO NOT DEVELOP OR WHICH ERODE WITHIN A ONE (1) YEAR PERIOD.

EROSION CONTROL, SOIL STABILIZATION AND SEDIMENT CONTROL PLAN

1. PRIOR TO THE COMMENCEMENT OF ANY CLEARING, GRUBBING, DEMOLITION OR EARTHWORK ACTIVITY, TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE PLANS ARE TO BE INSTALLED BY THE CONTRACTOR.
2. CONSTRUCTION ACCESS STABILIZATION ENTRANCE PADS ARE TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF SITE GRUBBING OR EARTHWORK ACTIVITY.
3. EXISTING CATCH BASINS ARE TO BE PROTECTED WITH HAY BALES AND/OR SILT SACS PRIOR TO THE START OF SITE GRUBBING, EARTHWORK OR UNDERGROUND UTILITY AND DRAINAGE INFRASTRUCTURE INSTALLATION TO SERVE THE DEVELOPMENT SITE.
4. THE PROJECT CONSTRUCTION SEQUENCE, TO THE EXTENT PRACTICAL, SHOULD REQUIRE THE INSTALLATION OF DOWN GRADE AND OFF SITE STORM DRAINAGE SYSTEM IMPROVEMENTS BEFORE THE START OF SITE GRUBBING AND EARTHWORK ACTIVITY.
5. TEMPORARY SITE SLOPE TREATMENTS FOR SOIL STABILIZATION SHALL CONSIST OF HAY, STRAW, FIBER MULCH, RIP RAP OR PROTECTIVE COVERS SUCH AS MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, AND EXCELSIOR OR EQUAL PRODUCTS). THESE AND OTHER ACCEPTABLE MEASURES SHALL BE INCORPORATED INTO THE SITE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
6. CONSTRUCTION SITES ARE DYNAMIC, THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND OR MOVEMENT AND MAINTENANCE OF EROSION CONTROLS, SOIL STABILIZATION AND SEDIMENT CONTROL MEASURES AS NEEDED TO MAXIMIZE THE INTENT OF THE PLAN FOR ALL SITE CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERIODIC INSPECTION, MAINTENANCE, REPAIR, AND REPLACEMENT OF EROSION CONTROLS, SOIL STABILIZATION AND SEDIMENT CONTROL DEVICES UNTIL AN ACCEPTABLE PERMANENT VEGETATIVE GROWTH IS ESTABLISHED. THE CONTRACTOR SHALL MAINTAIN A DETAILED LOG OF ALL EROSION CONTROL INSPECTIONS, COMPLAINTS RELATED TO EROSION OR SEDIMENT, AND CORRECTIVE REMEDIAL MEASURES TAKEN THROUGHOUT THE COURSE OF THE PROJECT CONSTRUCTION.
8. SOIL EROSION AND SEDIMENT CONTROL IS NOT LIMITED TO DAMAGES CAUSED BY WATER BUT ALSO INCLUDES EROSION AND SEDIMENT RESULTING FROM WINDS. MEASURES, SUCH AS TEMPORARY GROUND COVERS, WATER AND CALCIUM APPLICATIONS ARE TO BE UNDERTAKEN AS NEEDED TO MINIMIZE WIND RELATED SOIL AND DUST CONTROL.
9. STOCK PILES OF EARTH MATERIALS SHALL NOT BE LOCATED NEAR WATERWAYS OR WETLANDS. STOCK PILES SHALL HAVE SIDE SLOPES NO GREATER THAN THIRTY PERCENT (30%). STOCK PILES SHALL BE SURROUNDED ON THE DOWN GRADIENT OF THE EXISTING GROUND SURFACE BY HAY BALES OR SILT FENCE. THE STOCK PILES SHALL ALSO BE SEEDDED OR STABILIZED IN SOME MANNER TO PREVENT SOIL EROSION.
10. THE SMALLEST POSSIBLE SITE AREAS SHALL BE DISTURBED OR EXPOSED AT ONE TIME AND DENUDED SLOPES OR WORK AREAS SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME, SUCH AS INACTIVE PERIODS OR SITE WORK SHUT DOWNS.
11. TO THE EXTENT POSSIBLE, ALL DISTURBED AREAS MUST BE SEEDDED OR STABILIZED WITHIN THE CONSTRUCTION SEASON. STABILIZATION OF ONE FORM OR ANOTHER SHALL BE ACHIEVED WITHIN FIFTEEN (15) DAYS OF FINAL GRADING.
12. EXPOSED STEEP OR LONG SLOPES SHOULD BE TREATED WITH "CRIMPING" OR "TRACKING" TO REDUCE EROSION AND SEDIMENT AND TO TACK DOWN SEEDING OR MULCH APPLICATIONS.
13. IF CONCRETE IS TO BE USED ON SITE, THE CONTRACTOR MUST ESTABLISH AND MAINTAIN SPECIFIC WASHOUT AREAS FOR THE CONCRETE TRUCKS WITH APPROPRIATE PROTECTION CONTROLS.
14. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING COLLECTION AND STORAGE LOCATIONS ON-SITE FOR ALL CONSTRUCTION DEBRIS AND TRASH SO THAT THIS MATERIAL DOES NOT BECOME A NEIGHBORHOOD NUISANCE.
15. EXISTING TREES AND VEGETATION WILL BE RETAINED WHENEVER FEASIBLE.
16. SITE SOIL EROSION AND SOIL STABILIZATION AND SEDIMENT CONTROLS MUST CONFORM TO ALL REQUIREMENTS OF THE APPLICABLE LOCAL COMMUNITY ORDINANCES AND STATE REGULATIONS.



TYPICAL DRYWELL (NOT TO SCALE)

DRYWELL CALCULATIONS:

RI STORMWATER MANAGEMENT GUIDANCE FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT:

ACCSY. STRUCTURE - TOTAL ROOF SURFACE AREA 2,400 S.F. SANDS, LOAMY SANDS AND SANDY LOAMS

ONE (1) DRYWELL LOCATION

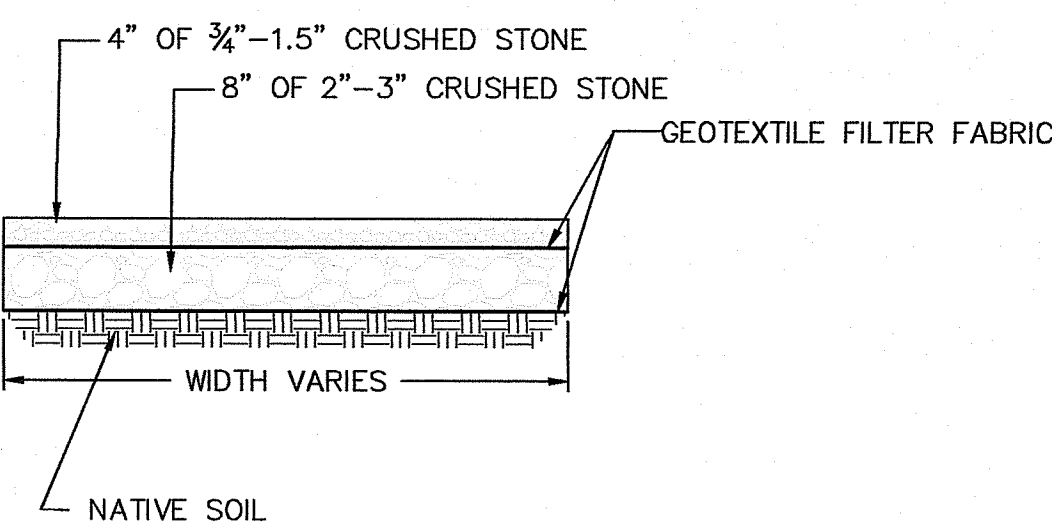
SEE 10 YEAR STORMWATER CALCULATIONS

ELEVATIONS:

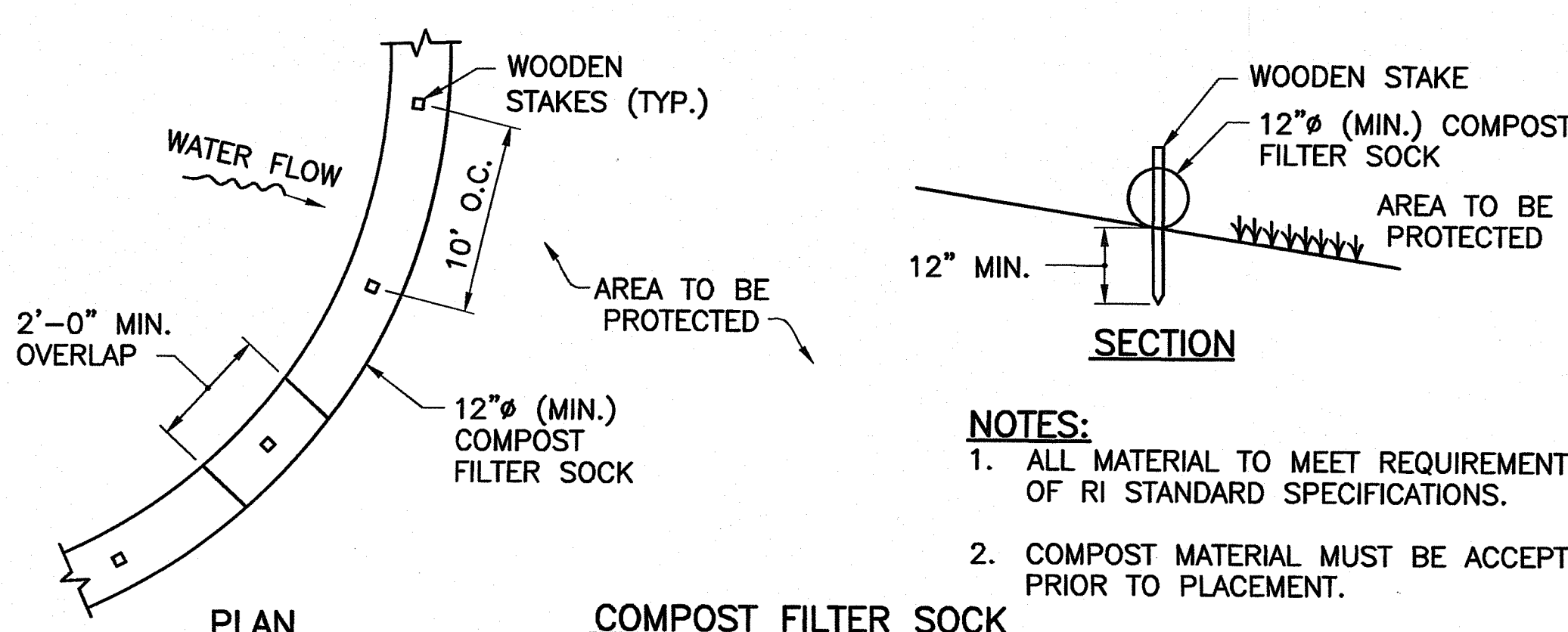
DRY WELL 1: 30 FT X 10 FT X 48" (ROOF 375 SF)
 MIN. FINISHED GRADE = 131.67'
 TOP STONE = 131.17'
 BOT. STONE = 127.17'
 ESHGWT = 124.00' (3.17 FT SEPARATION PROVIDED)

DRYWELL MAINTENANCE:

- 1) INSPECT ANNUALLY AND REPAIR IF NECESSARY TO ENSURE PROPER DRAINAGE.
- 2) ACCUMULATED SEDIMENT AND DEBRIS SHALL BE REMOVED FROM DRY WELL AREA ANNUALLY.



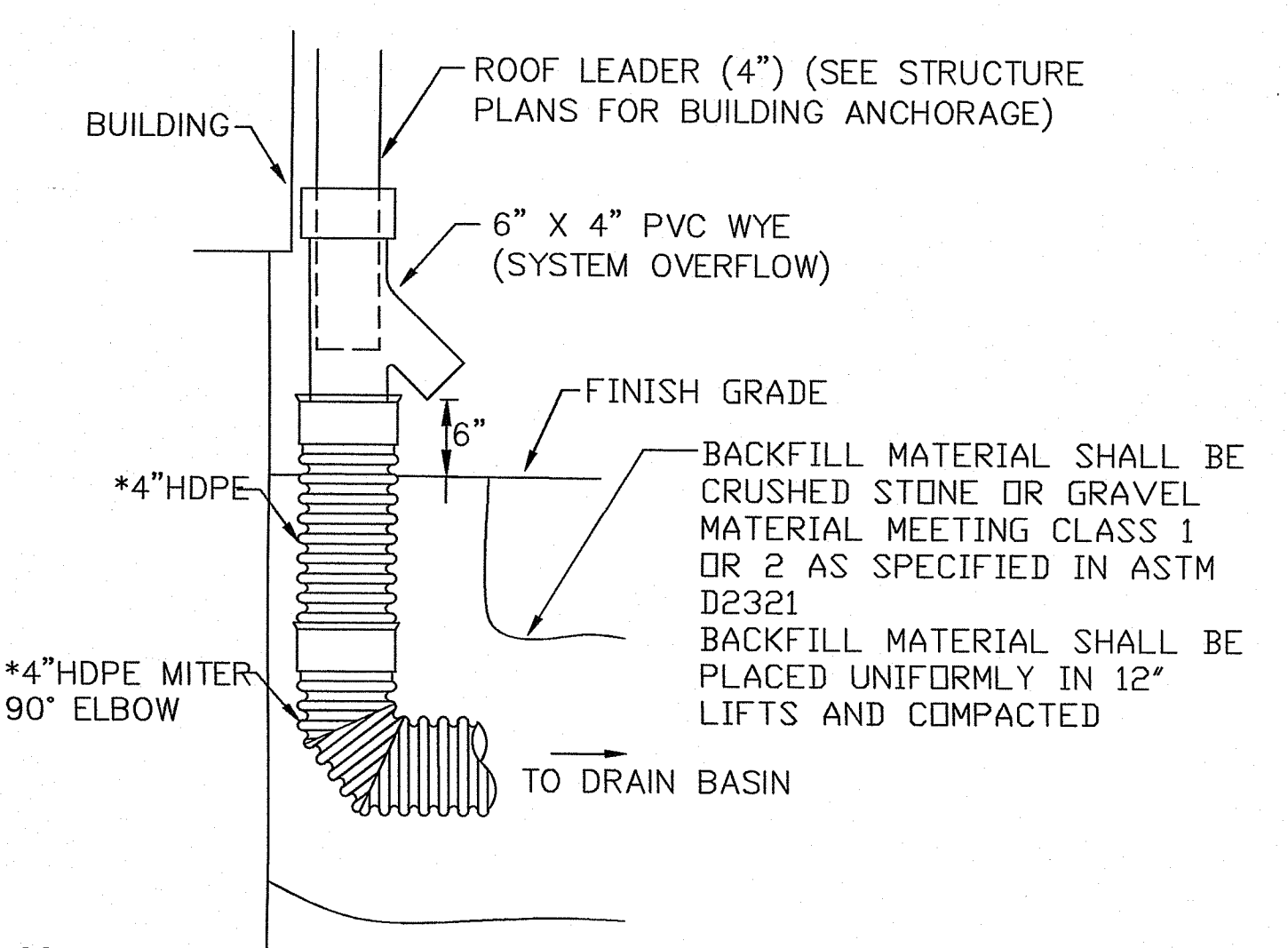
PERVIOUS DRIVEWAY TYPICAL CROSS SECTION NOT TO SCALE



COMPOST FILTER SOCK PERIMETER EROSION CONTROLS NOT TO SCALE

NOTES:

1. ALL MATERIAL TO MEET REQUIREMENTS OF SECTION 206 OF RI STANDARD SPECIFICATIONS.
2. COMPOST MATERIAL MUST BE ACCEPTED BY THE ENGINEER PRIOR TO PLACEMENT.



ROOF LEADER COLLECTOR DETAIL NOT TO SCALE

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 OWTS & FRESHWATER WETLANDS
 JOINT PERMIT APPROVAL
 OWTS# 18-32-0266 PERM# 23-0079
 APPROVED: *[Signature]* DATE 5/8/23
 No Changes Allowed Without RIDEM Approval
 Approved Plans/Permit Must Be Kept at Construction Site

 PRINCIPE COMPANY, INC. ENGINEERING DIVISION 27 SAKONNET RIDGE DRIVE TIVERTON, RI 02878 401.816.5355 www.PrincipeCompany.com	ON-SITE WASTEWATER TREATMENT SYSTEM ALTERATION for AP 13-1 LOT 42 383 USQUEPAUGH ROAD in SOUTH KINGSTOWN, RHODE ISLAND
Thomas J. Principe, III No. 9107 REGISTERED PROFESSIONAL ENGINEER	SCALE: AS NOTED SHEET NO: 2 of 2 DRAWN BY: NEC DESIGN BY: NEC CHECKED BY: TJP DATE: 03/20/23 PROJECT NO.: LD-2018-44