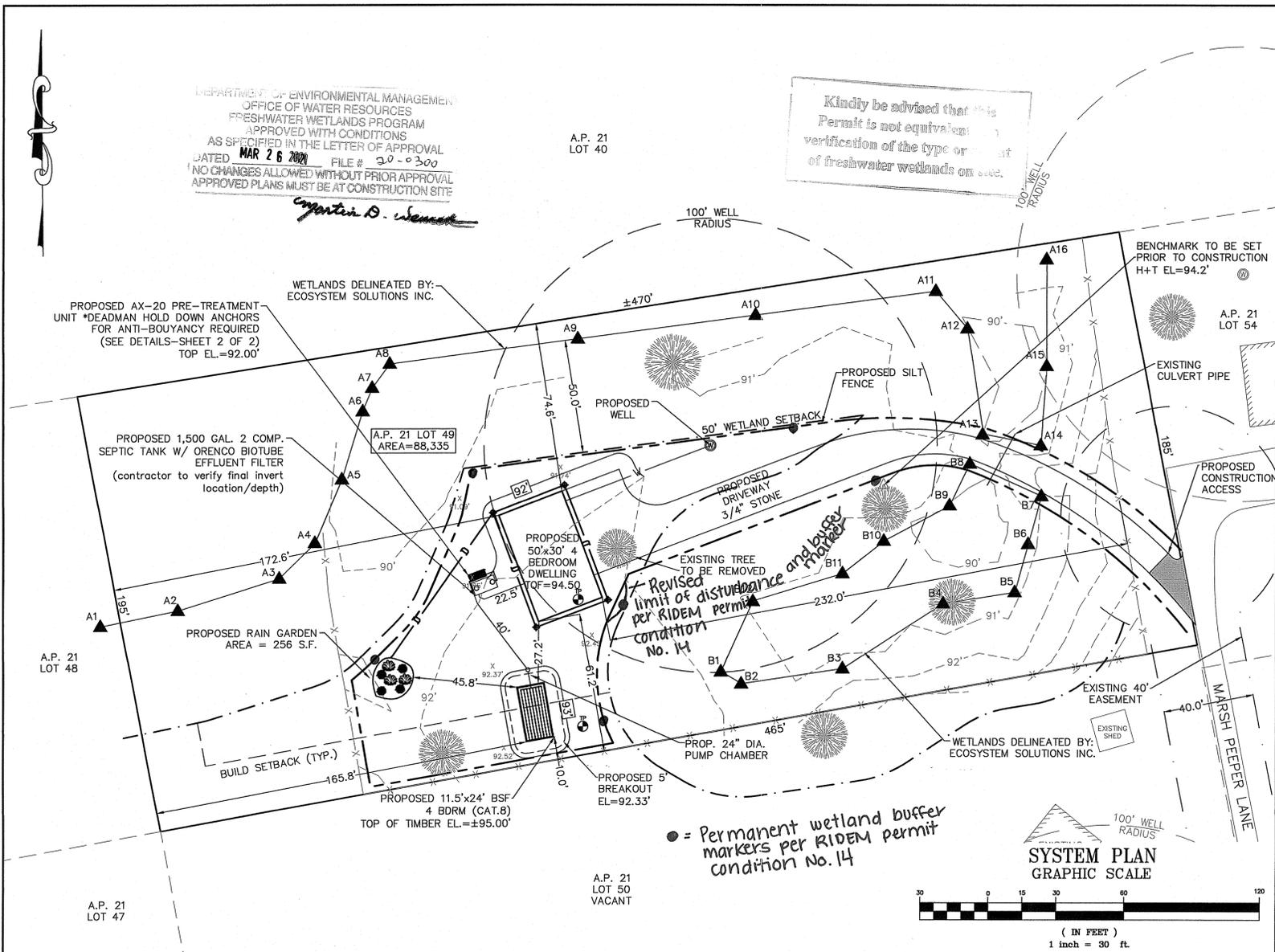


DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED **MAR 26 2020** FILE # **20-0300**  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Kindly be advised that this Permit is not equivalent to verification of the type or extent of freshwater wetlands on site.



**LEGEND**

PROPERTY LINE	---
ABUTTER LINE	---
EX. EDGE OF PAVEMENT	---
EXISTING CONTOUR	- - - - 87 - - - -
EX. STONE BOUND	□
EX. DRAIN LINE	D
EX. TEST PIT	⊙
EX. 50' WETLAND BUFFER	---
PROPOSED CONTOUR	--- 87 ---
PROPOSED SILT FENCE	---

**RESIDENCE ZONE**

DIMENSIONAL REQUIREMENTS	PROPOSED DIMENSIONS
MIN. LOT AREA	= 2 AC. = 88,336 S.F.
MIN. FRONTAGE	= 175 FT. = 185 FT.
MIN. S/B FRONT YARD	= 50 FT. = 232.0 FT.
MIN. S/B REAR YARD	= 25 FT. = 172.6 FT.
MIN. S/B SIDE YARD	= 25 FT. = 74.8 FT. / 61.2 FT.
MAX. STRUCTURE HEIGHT	= 30 FT. = < 30 FT.
MAX. LOT COVERAGE	= 10% = 1.70 %

**BOTTOMLESS SAND FILTER DESIGN CALCULATIONS**

FLOW: PROPOSED 4 BEDROOM X 115 GALLON PER BEDROOM = 460 GALLONS/DAY  
 SOILS: 14" GWT FROM O.G., SOIL CATEGORY 8 SUBSOIL  
 LOADING RATE FOR TIME DOSED SYSTEM (CAT. 1) = 1.9 GAL./SF/DAY  
 BOTTOMLESS SAND FILTER SIZING  
 460 GAL./DAY / 1.9 GAL./SF/DAY = 242.1 SF  
 SAND FILTER SIZING (ACCEPTABLE RATIO RANGE 1.5:1 TO 10:1) USE FILTER 24' X 11.5' = 276 SF (RATIO 2.1:1)  
 USE 18" BETWEEN LATERALS AND 6" BETWEEN LATERALS AND WALLS  
 USE 18" BETWEEN ORIFICES  
 LATERALS [(11.5-1)/1.5]+1 = 8 LATERALS  
 ORIFICES [(24-1.5)/1.5]+1 = 16 ORIFICES/LATERAL  
 16 ORIFICES/LATERAL X 8 LATERALS = 128 ORIFICES TOTAL  
 (MIN. ORIFICE SPACING: 14"-24") (MIN. LATERAL SPACING: 15"-24")  
 SOILS:  
 SOIL EVALUATION BY: DONALD J. MEDEIROS  
 EXCAVATED DATE: 6/25/19  
 DEM APP#: 1918-0616  
 TP-A: GWT 14" CAT. 8 SUBSOIL  
 TP-B: GWT 14" CAT. 8 SUBSOIL

**SURVEY NOTE:**

NO PROPERTY LINE SURVEY HAS BEEN CONDUCTED. DEED REFERENCE (BOOK & PAGE): 321/97. EXISTING PROPERTY LINE INFORMATION TAKEN FROM LITTLE COMPTON ASSESSORS MAPS FOR THE OWTS APPLICATION TO RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (DEM). PLAN IS INTENDED FOR THE REFERENCED OWTS ONLY AND IS NOT AUTHORIZED OR ANY OTHER USE.  
 \*\*ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.



SITE LOCUS NOT TO SCALE

**SPECIFICATIONS**

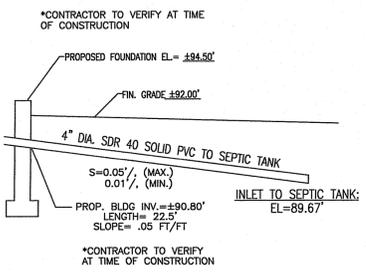
1. THE SYSTEM FOR SUBSURFACE DISPOSAL OF SANITARY SEWAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, "RULES ESTABLISHING MINIMUM STANDARDS RELATING TO LOCATION, DESIGN, CONSTRUCTION, AND MAINTENANCE OF ON-SITE WASTEWATER TREATMENT SYSTEMS" RULE 1 THROUGH RULE 55.
2. THE PIPE FROM THE BUILDING TO THE SEPTIC TANK SHALL BE SDR-35 PVC PIPE OR EQUIVALENT. SDR-40 PVC OR EQUIVALENT TO BE USED FOR ALL PORTIONS SUBJECT TO VEHICULAR TRAFFIC.
3. 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.
4. 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, POLYETHYLENE 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.
5. 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.
6. WASHED STONE AND OTHER SOIL MATERIALS SHALL BE IN CONFORMANCE WITH THE STATE RULES AND REGULATIONS, RULE 32.0.
7. WHENEVER THE SYSTEM IS TO BE CONSTRUCTED WHOLLY OR PARTIALLY IN FILL, THE PROCEDURE AS DEFINED IN RULE 33.5 OF THE STATE RULES AND REGULATIONS SHALL APPLY.
8. 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 :**

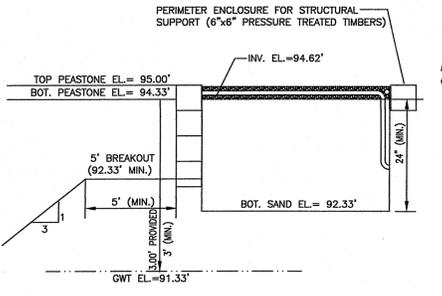
CONTRACTOR TO VERIFY BENCHMARK & EXISTING CONDITIONS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN FIELD AND DESIGN DATA SHOWN HEREON TO BE REPORTED TO THE ENGINEER

**DESIGN NOTES**

1. UNLESS SPECIFICALLY NOTED, THE PROPOSED OWTS IS NOT WITHIN A WATERSHED OF A PUBLIC WATER SUPPLY OR OTHER CRITICAL RESOURCE AREA.
2. UNLESS OTHERWISE NOTED, THERE ARE NO DRINKING WATER LINES, EXISTING OR PROPOSED WITHIN 50 FEET OF THE PROPOSED OWTS.
3. UNLESS OTHERWISE NOTED, THERE ARE NO NON-POTABLE WATER WELLS, EXISTING OR PROPOSED WITHIN 100 FEET OF THE PROPOSED OWTS.
4. UNLESS OTHERWISE NOTED, THERE ARE NO EXISTING OR PROPOSED PUBLIC DRINKING WATER SUPPLY WELLS WITHIN 500 FEET OF THE PROPOSED OWTS.
5. UNLESS OTHERWISE NOTED, THERE ARE NO WETLANDS OR PROPOSED PUBLIC DRINKING WATER SUPPLY WELLS WITHIN 500 FEET OF THE PROPOSED OWTS.
6. THE SEPTIC TANK WILL BE PROVIDED WITH AN OUTLET TEE, INLET TEE AND RISERS TO GRADE.
7. DISTRIBUTION BOX TO HAVE A MINIMUM BOTTOM AREA OF 3 SQ. FT.
8. WITHIN FIVE (5) FEET OF THE SYSTEM, FINISH GRADE WILL BE GREATER THAN THE INVERT ELEVATION.
9. LEACH FIELD CONSTRUCTION SHALL CONFORM TO RULE 33 OF THE SPECIFICATIONS.



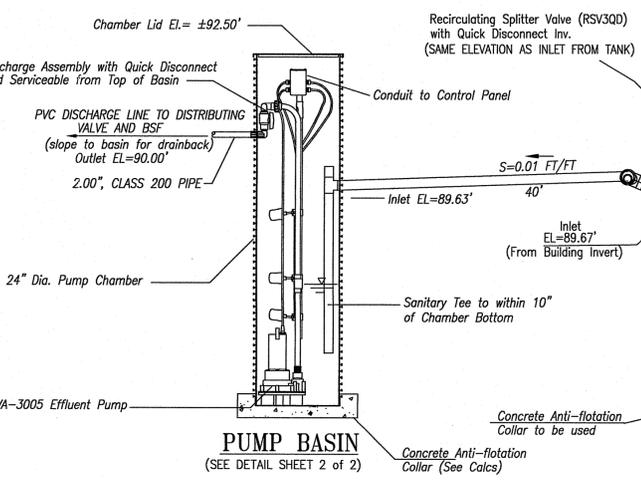
PROPOSED BUILDING DETAIL NOT TO SCALE



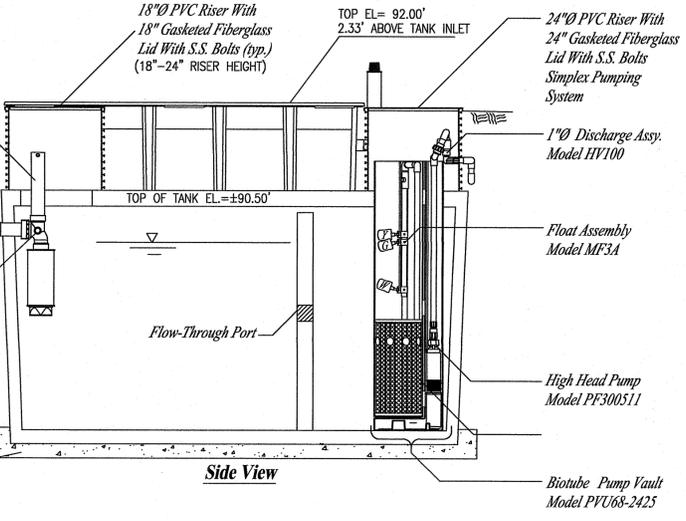
BOTTOMLESS SAND FILTER PROFILE NOT TO SCALE

\* BSF DOSING CRITERIA:  
 PVA-3005 PUMP TO DOSE LEACHING FIELD ONCE PER HOUR AT A MAXIMUM RATE OF 0.25 GALLON / ORIFICE  
 0.25 GAL./ORIFICE X 128 ORIFICES = 32 GPH PER DESIGN GUIDANCE

\*INSTALL TEE IN CONFORMANCE WITH REGULATIONS.  
 \*\*CONTRACTOR TO VERIFY BENCHMARK PRIOR TO CONSTRUCTION. ANY DISCREPANCIES BETWEEN FIELD AND DESIGN DATA SHOWN HEREON TO BE REPORTED TO THE ENGINEER



PUMP BASIN (SEE DETAIL SHEET 2 OF 2)



1,500 GAL. DUAL COMPARTMENT SEPTIC TANK JOLLEY PRE-CAST MONOLITHIC TANK W/ ANTI-BUOYANCY WINGS

Thomas J. Principe, III  
 No. 1107  
 REGISTERED PROFESSIONAL ENGINEER

**PRINCIPE COMPANY, INC.**  
 ENGINEERING DIVISION  
 PO BOX 298  
 TIVERTON, RI 02878  
 401.816.5385  
 PRINCIPLEENGINEERING@GMAIL.COM

**REVISIONS**

No.	DATE	DRWN	CHKD

**ON-SITE WASTEWATER TREATMENT SYSTEM REPAIR**  
 for  
**AP 21 LOT 49**  
**6 MARSH PEEPER LANE**  
 in  
**LITTLE COMPTON, RHODE ISLAND**

SCALE: 1" = 30' SHEET NO: 1 of 3  
 DRAWN BY: NMK DESIGN BY: NMK CHECKED BY: TJP  
 DATE: 11/12/2020 PROJECT NO.: 20121.00



**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
<b>TOTAL:</b>	<b>100 lbs/Ac.</b>

**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 TREFOIL	15
<b>TOTAL:</b>	<b>100 lbs/Ac.</b>

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
WEAVING 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 TREFOIL	15	AUG. 15 - OCT. 15
PERENNIAL RYE GRASS	10	

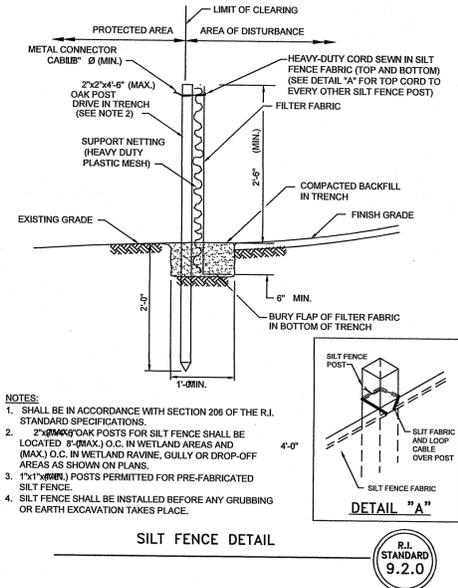
APPLICATION RATE - 100 LBS PER ACRE

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 SEEDED 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 SEEDED 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.



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

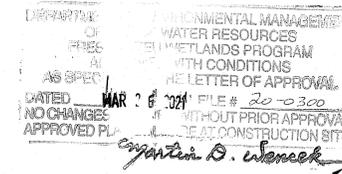
R.I. STANDARD 9.9.0

**LOT COVERAGE CALCULATIONS:**

PROPOSED BUILDING = 1,500 SF  
 LOT AREA = 88,335 SF  
 BUILDING COVERAGE = 1,500 SF / 88,335 SF (X 100%) = 1.70%

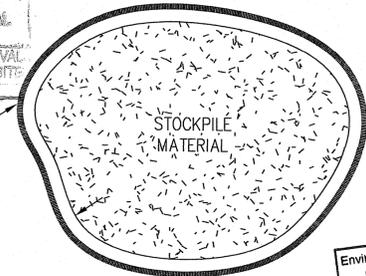
**OWNER:**

ALEX & ALISON ASERMELY

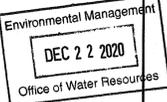


SILT FENCE AND/OR STRAW WADDLE

5' MAXIMUM FROM TOE OF SLOPE



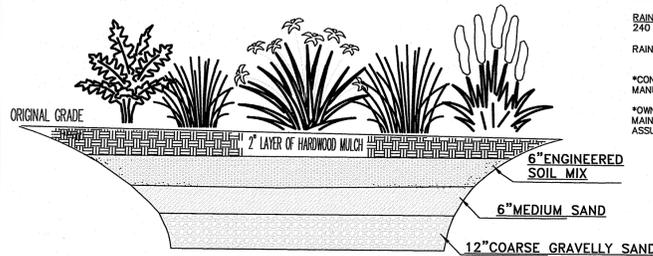
**STOCKPILE DETAIL**  
NOT TO SCALE



**ROOF RUNOFF RAIN GARDEN DETAIL**

NOT TO SCALE

RAINGARDEN CROSS SECTION NOT TO SCALE



**DRAINAGE CALCULATIONS:**

RAIN GARDEN DESIGN BASIS:

RAIN GARDEN WATERSHED AREA (ROOF): 1,500. SF

REFER TO RI DEM DESIGN MANUAL: PAGE 10 OF 17 (TABLES 7 & 8) RAIN GARDEN SIZING

SUBSOIL: SILT LOAM

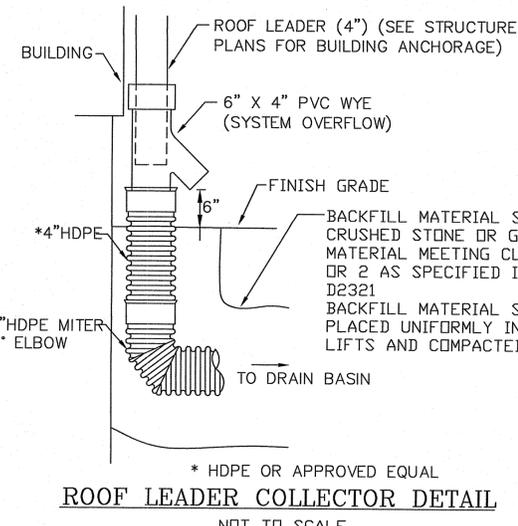
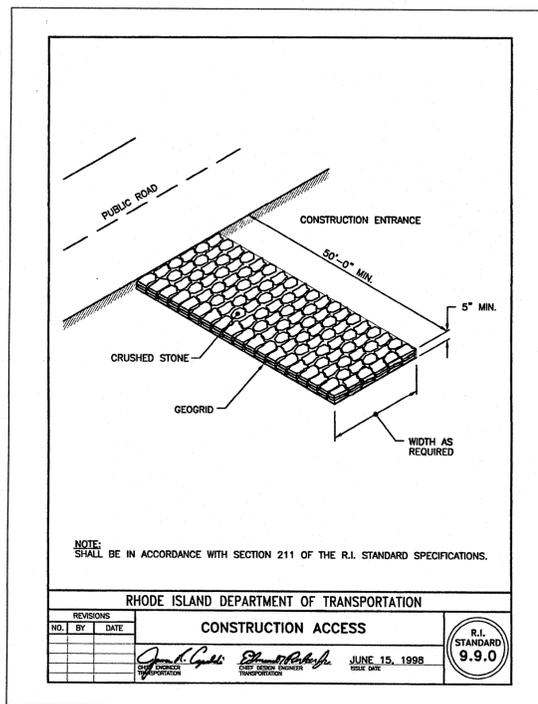
NEED 160 SF (MIN. 8" DEEP) OF RAIN GARDEN SURFACE AREA FOR EVERY 1,000 S.F. OF DRAINAGE AREA FOR THE SILT LOAM SUBSOIL MATERIAL.

RAIN GARDEN SURFACE AREA (8" DEEP): 240 SF REQUIRED

RAIN GARDEN (16' X 16') = 256 SF PROVIDED

\*CONTRACTOR TO STRICTLY ADHERE TO THE INSTALLATION MANUAL FOR THE RAIN GARDEN.

\*OWNER SHALL ALSO STRICTLY ADHERE TO THE RAIN GARDEN MAINTENANCE SCHEDULE SET FORTH BY RI DEM IN ORDER TO ASSURE ITS PROPER FUNCTION.



**ROOF LEADER COLLECTOR DETAIL**  
NOT TO SCALE

**PLANT SPECIES TO BE USED**

SPECIES NAME	COMMON NAME
ASTER DIVARICATUS	WHITE WOOD ASTER
CAREX CRINITA	FRINGED SEDGE
CAREX STRICTA	TUSSOCK SEDGE
IRIS VERSICOLOR	BLUE FLAG IRIS
LOBELIA CARDINALIS	CARDINAL FLOWER
MATTEUCCIA STRUTHOPTERIS	OSTRICH FERN
OSMUNDA CINNAMOMEA	CINNAMON FERN
PONTEDERIA CORDATA	PICKEREL PLANT

**RAIN GARDEN REQUIRED MAINTENANCE:**

**MONTHLY:**

INSPECT AND REMOVE ANY TRASH  
 REMOVE ANY INVASIVE SPECIES PLANTS

**ANNUALLY:**

MULCH- SPRING, AS NEEDED  
 REPLACE ANY DEAD VEGETATION-SPRING  
 REMOVE DEAD VEGETATION-FALL OR SPRING  
 PRUNE-SPRING

**AS NEEDED:**

REPLACE SOIL MEDIA AND PLANTS WHEN PONDING DOES NOT SUBSIDE WITHIN 72 HRS (CAREFUL MAINTENANCE SHOULD PROLONG THIS REQUIREMENT)

\*ALL PLANT MATERIAL SHALL BE WATERED AND MAINTAINED BY THE OWNER TO ASSURE THAT SUITABLE GROWTH HAS BEEN ESTABLISHED.

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

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**ON-SITE WASTEWATER TREATMENT SYSTEM REPAIR**  
 for  
**AP 21 LOT 49**  
**6 MARSH PEEPER LANE**  
 in  
 LITTLE COMPTON, RHODE ISLAND

SCALE: 1" = 30' SHEET NO: 3 of 3  
 DRAWN BY: NMK DESIGN BY: NMK CHECKED BY: TJP  
 DATE: 11/12/2020 PROJECT NO.: 20121.00