

**LEGEND:**

- PROPERTY PERIMETER
- ABUTTER LINE
- EDGE OF PAVEMENT
- STONEWALL
- EXISTING CONTOUR
- TEST HOLE
- PROPOSED REBAR/CAP
- BUILDING SETBACK
- UTILITY POLE
- EASEMENT LINE
- SOIL TYPE BOUNDARY
- SOIL TYPE DESIGNATION



**ZONING - R60 (MULTIFAMILY)**

	EXISTING	SUB LOT-1	SUB LOT-2
MIN. LOT AREA:	60,000 SF	193,442 SF	90,122 SF
MIN. LOT WIDTH:	175 FT	402.53 FT	227.44 FT
MAX. LOT COV. 20%	N/A	3.10%	3.07%
YARD SETBACKS			
MIN. FRONT YARD:	40 FT	N/A	128.2 FT
MIN. REAR YARD:	60 FT	N/A	73.8 FT
MIN. SIDE YARD:	30 FT	N/A	>150 FT
			>200 FT
			128.7 FT
			>90 FT

- GENERAL NOTES:**
- THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND "DIG-SAFE" MUST BE NOTIFIED PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS. RESTORATION AND REPAIR OF DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR TOWN WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE NOTIFIED AT LEAST 72 HOURS IN ADVANCE.
  - WETLANDS SHOWN HEREIN WERE DELINEATED BY MCCUE ENVIRONMENTAL, LLC
  - THERE ARE NO KNOWN EASEMENTS OR RIGHTS OF WAY WITHIN OR ADJACENT TO THIS PARCEL UNLESS OTHERWISE SHOWN.
  - THERE ARE NO KNOWN HISTORIC CEMETERIES WITHIN OR IMMEDIATELY ADJACENT TO THIS PARCEL.
  - GLENDALE AVENUE ESTABLISHED VIA EXCEPTION IN DEED BOOK 368 PAGE 282.
  - THE SUBJECT PROPERTY DOES NOT LIE WITHIN A WELLDHEAD PROTECTION AREA
  - THE SUBJECT PROPERTY DOES NOT LIE WITHIN A GROUNDWATER RECHARGE AREA.
  - THE SUBJECT PROPERTY DOES NOT LIE WITHIN A WATERSHED PROTECTION OVERLAY DISTRICT.
  - THE TOPOGRAPHY SHOWN ON THIS PLAN HAS BEEN TAKEN FROM THE RHODE ISLAND GIS MAPPING WEBSITE AND THE ELEVATIONS SHOWN REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
  - EXISTING SITE IS ENTIRELY WOODED.
- REFERENCES:**
- A PLAN ENTITLED "REPLAT SUBDIVISION LOTS 17-33, WILDERNESS ESTATES, A RESIDENTIAL SUBDIVISION, TIVERTON, R.I., DIPRETE ENGINEERING ASSOC. INC., PREPARED FOR RICHARD D. LEBLANC, MARCH, 1994," WHICH IS LOCATED IN THE TIVERTON LAND EVIDENCE RECORDS IN PLAN BOOK 18 PAGE 185.
  - A PLAN ENTITLED "PLAN OF LAND IN TIVERTON, RHODE ISLAND, BELONGING TO GEORGE M. AND LINDA M. PHIPPS OF TIVERTON, SCALE 1"=80", DATE: MARCH 4, 1985" WHICH IS LOCATED IN THE TIVERTON LAND EVIDENCE RECORDS IN PLAN BOOK 17 PAGE 34.
  - A PLAN ENTITLED "R.I.D.O.T. S.H.L. #929"
- FLOOD PLAIN NOTE:**  
THE SUBJECT PROPERTY IS LOCATED WITHIN ZONE X "AREA OF MINIMAL FLOOD HAZARD" AS DETERMINED BY FEMA MAP 44005C0044H DATED 4/5/2010.
- OWNER / APPLICANT:**  
LEON J. SYLVIA  
3998 MAIN ROAD  
TIVERTON, RI 02878

**SOIL EROSION & SEDIMENTATION CONTROL / STORMWATER MANAGEMENT PLAN**

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED: JAN 30 2025 FILE #: 24-0047  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Thomas J. Principe, III  
REGISTERED PROFESSIONAL ENGINEER

PRINCEPIE COMPANY, INC.  
ENGINEERING DIVISION  
27 SAKONNET RIDGE DRIVE  
TIVERTON, RI 02878  
401.816.5385  
WWW.PRINCEPICOMPANY.COM

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO 435-RIGR-00-00-1.9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS NOVEMBER 25, 2015 AS FOLLOWS:  
TYPE OF BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY  
MEASUREMENT SPECIFICATION: CLASS 1 STANDARD/CLASS 4 TOPO (LIDAR)

THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS: SUBDIVIDE AP 214, LOT 146 INTO TWO LOTS

**LOT BLDG. COVERAGE CALCS:**

**SUB-LOT 1:**  
NO EXISTING STRUCTURES  
PROP. MULTIFAMILY DWELLING - ±2,304 SF  
PROP. COV. PORCH - ±432 SF  
TOTAL PROPOSED LOT COVERAGE - ±2,736 SF  
TOTAL UPLAND LOT AREA - 90,122 SF  
PROPOSED LOT COVERAGE (%) - 2,736 / 88,375 x 100% = 3.10%

**SUB-LOT 2:**  
NO EXISTING STRUCTURES  
PROP. MULTIFAMILY DWELLING - ±2,304 SF  
PROP. COV. PORCH - ±432 SF  
TOTAL PROPOSED LOT COVERAGE - ±2,736 SF  
TOTAL UPLAND LOT AREA - 92,043 SF  
PROPOSED LOT COVERAGE (%) - 2,736 / 89,112 x 100% = 3.07%

**SOILS:**  
RIDEM APP. NO. 2233-0930  
EVALUATED BY: DANIEL WELCH (D4094)  
DATE: 08/04/2022

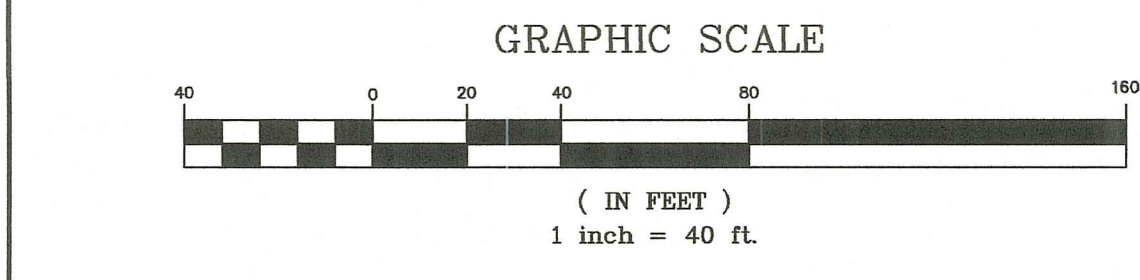
TP-1&2: 24" GWT 8' TD CAT. 9	TP-3&4: 24" GWT 8' TD CAT. 9	TP-5&6: 24" GWT 8' TD CAT. 9	TP-24A: 24" GWT 8' TD CAT. 9	TP-24B: 24" GWT 8' TD CAT. 9
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**DENSITY CALCS:**  
**SUB-LOT 1:**  
TOTAL ALLOWABLE UNITS: 1.5 UNITS  
(90,122 SF - 1,747 SF) / 60,000 SF = 1.5

**SUB-LOT 2:**  
TOTAL ALLOWABLE UNITS: 1.5 UNITS  
(103,320 SF - 14,208 SF) / 60,000 SF = 1.5

**SURVEY NOTE:**

CLASS 1 LIMITED CONTENT BOUNDARY / CLASS 3 TOPO SURVEY CONDUCTED BY: PRINCEPIE COMPANY, INC. - SURVEYING DIVISION  
10 HAMLET AVENUE  
WOONSOCKET, RI 02895  
401.816.5385



*⊗ = Required Buffer Markers per Permit Condition No. 6*

NOV 27 2024

**EROSION CONTROL & SOIL STABILIZATION PROGRAM**

- DENUDED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
- 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.
- 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.
- THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
- THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING PERMANENT SEEDING MIXTURES:
  - MIXTURE: (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>
  - 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>
- TEMPORARY TREATMENTS SHALL CONSIST OF A 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.
- STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3,000 - 4,000 lbs./Ac.
- ALL STRAWBALES 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
- 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.
- ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE R.I.D.P.W. STD SPECIFICATIONS SECTION 202.
- STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 15 DAYS OF FINAL GRADING.
- 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.
- ON BOTH STEEP AND LONG SLOPES CONSIDERATION SHALL BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.
- REFERENCE THE SEDIMENTATION CONTROL PROGRAM AND ORDER OF PROCEDURE FOR PROPER COORDINATION
- 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:**

- PRIOR TO ANY CLEARING AND GRUBBING OR ANY ROUGH GRADING, TEMPORARY STRAWBALES AND SANDBAGS SHALL BE PLACED OUTSIDE THE LIMITS OF CONSTRUCTION AS PER THE PLANS (I.E. ALONG ROADWAYS, STREAM BANKS, CRITICAL AREAS, ETC.).
- ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE PERIODICALLY MAINTAINED AS PER THE RESPECTIVE PROGRAMS FOR TEMPORARY CONTROL.
- IF WORK PROGRESS IS TO BE INTERRUPTED AT ANY TIME, REFERENCE EROSION AND SEDIMENTATION PROGRAMS FOR TEMPORARY CONTROL.
- TEMPORARY STRAWBALES AND SANDBAGS ALONG AND AT THE ENDS OF ROADWAYS MAY ALSO BE REMOVED AFTER FINAL SOIL STABILIZATION HAS BEEN ACHIEVED AND APPROVED.
- STRAWBALES 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:**

- RIP RAP SPLASH PADS SHALL BE INSTALLED AT THE OUTLETS FOR ALL CULVERTS DISCHARGING INTO A WATERWAY.
- EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL ENTERING ANY WETLANDS.
- ALL DISTURBED AREAS SUBJECT TO EROSION TENDENCIES WHETHER THEY BE NEWLY FILLED OR EXCAVATED SHALL BE SEEDED AND PROTECTED WITH A FIBER MULCH.
- DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
- SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.
- 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.
- ADDITIONAL STRAWBALES OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT.
- ALL SEDIMENTS SHALL BE REMOVED FROM THE DRAINAGE AND DETENTION FACILITIES AS SCHEDULED FOR EACH FACILITY
- REFERENCE THE "RII 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**

- THE NORMAL ACCEPTABLE SEASONABLE SEEDING DATES ARE APRIL 1ST THROUGH OCTOBER 15TH.
- 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.
- THE DESIGN SEED MIX UTILIZED IN ALL DISTURBED AREAS TO BE SEEDED SHALL BE COMPRISED OF THE FOLLOWING:
 

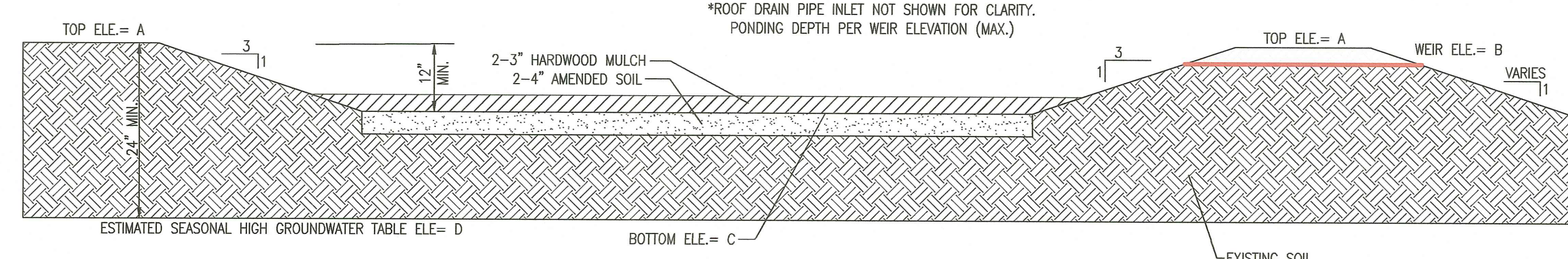
TYPE	% BY WEIGHT	SEEDING DATE
CREEPING RED FESCUE	70	
ASTORIA BENTGRASS	5	APRIL 1 - JUNE 15
BIRDFOOT TREFOIL	15	AUGUST 15 - OCTOBER 15
PERENNIAL RYE GRASS	10	

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.
- IN TOPSOIL SEEDING AREAS, THE CONTRACTOR WILL LIME AND FERTILIZE AS REQUIRED TO COMPLIMENT OR UPGRADE SOIL CONDITIONS.
- 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.

**BMP 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.



**RAIN GARDEN DETAIL**  
NOT TO SCALE

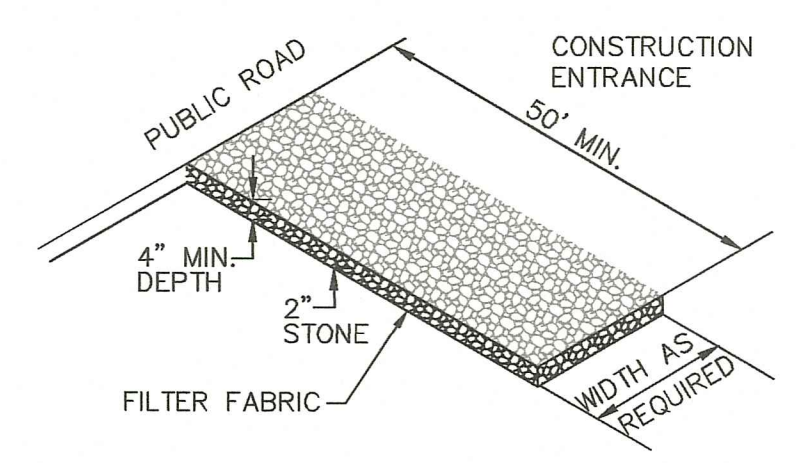
ELEVATIONS:	"A"	"B"	"C"	"D"
RAIN GARDEN #1:	207.0'	206.67'	206.0'	206.0'
RAIN GARDEN #2:	207.0'	206.67'	206.0'	206.0'
RAIN GARDEN #3:	207.0'	206.67'	206.0'	206.0'
RAIN GARDEN #4:	207.0'	206.67'	205.0'	205.0'

**PLANT SPECIES TO BE USED**

BOTANICAL NAME	COMMON NAME
ASTER DIVARICATUS	WHITE WOOD ASTER
IRIS VERSICOLOR	BLUE FLAG IRIS
LOBELIA CARDINALIS	CARDINAL FLOWER
OSMUNDA CINNAMOMEA	CINNAMON FERN

\*PLANT SPECIES IN ONE GALLON CONTAINERS TO BE INSTALLED AT 2' O.C. IN GROUPS OF THREE WITHIN THE BIORETENTION AREA.

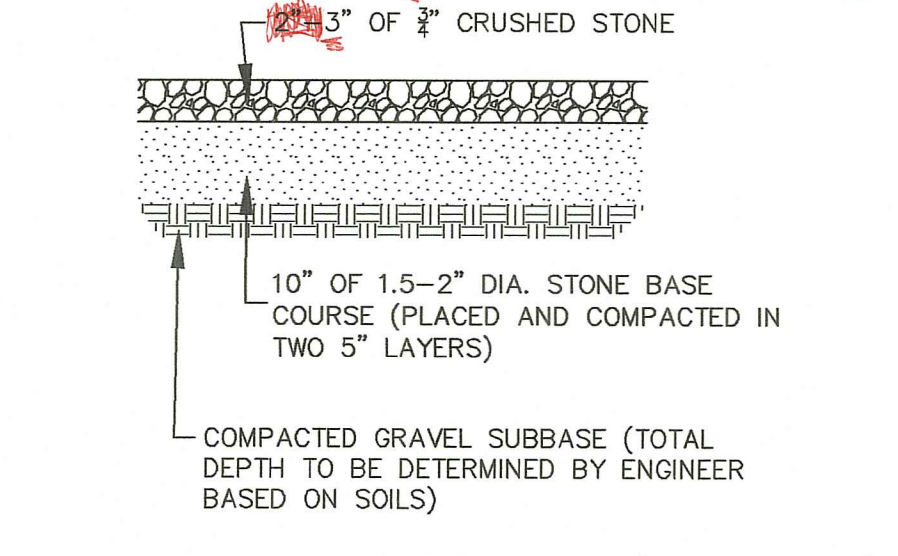
- NOTES:**
- MULCH SHALL CONSIST OF NON-DYED, AGED AND SHREDDED HARDWOOD MULCH.
  - AMENDED SOIL SHALL CONSIST OF A 50% MIX OF EXCAVATED NATIVE SOIL AND MATURE ORGANIC COMPOST.
  - RAIN GARDEN AREA TO BE PROTECTED FROM CONSTRUCTION TO PREVENT COMPACTION AND SURROUNDED BY COMPOST FILTER SOCK UNTIL UPSLOPE AREAS ARE STABILIZED.
  - DESIGN AND INSTALLATION GUIDELINES SHALL CONFORM TO THE STATE OF RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT.



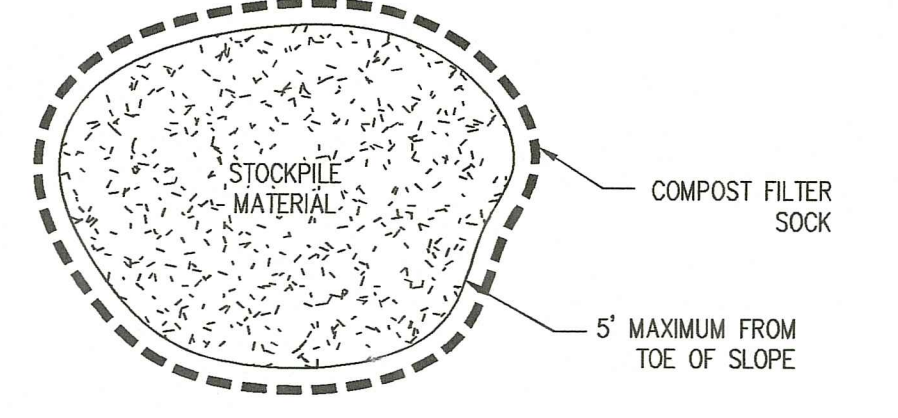
MATERIALS SIZE			
SQUARE MESH SIEVES	2" CRUSHED STONE OR GRAVEL	ASTM NO. 2	ASTM NO. 3
2-1/2 INCHES	100	90-100	100
2 INCHES	95-100	35-70	90-100
1-1/2 INCHES	30-55	0-15	35-70
1-1/4 INCHES	0-25	-	-
1 INCH	0-5	-	0-15
3/4 INCH	-	0-5	-
1/2 INCH	-	-	0-5
3/8 INCH	-	-	-

**NOTE:**  
STABILIZATION PAD TO BE IN CONFORMANCE WITH STANDARDS SET FORTH IN THE "RHODE ISLAND GUIDELINES FOR SOIL & SEDIMENT CONTROL".

**RIP-RAP STABILIZATION PAD @ CONSTRUCTION ENTRANCE**  
NOT TO SCALE



**PERVIOUS DRIVEWAY (TYPICAL) CROSS SECTION**



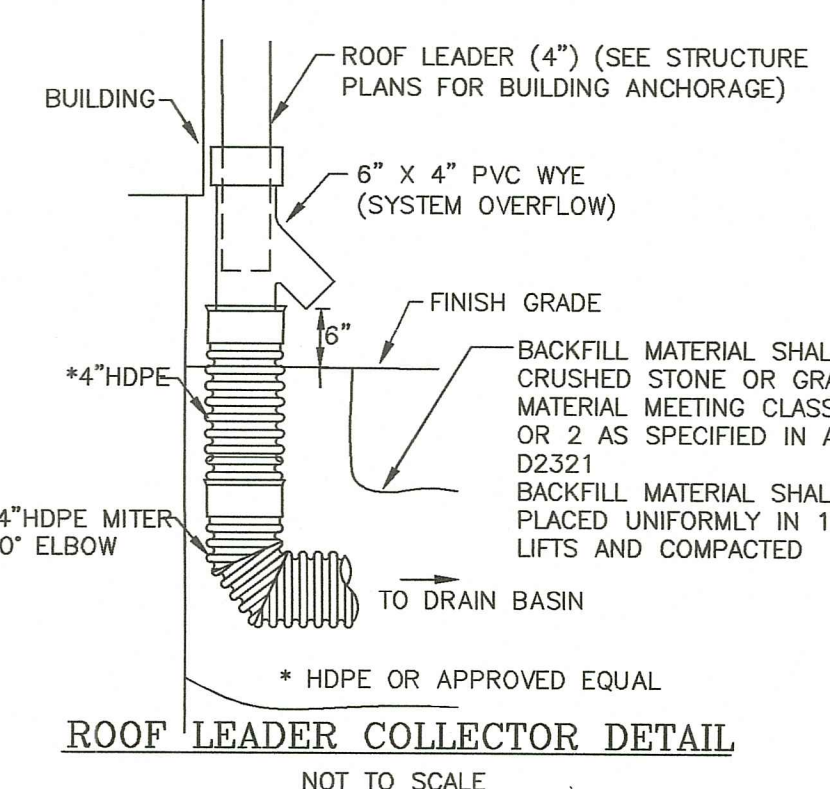
**STOCKPILE DETAIL**  
NOT TO SCALE

**EROSION CONTROL, SOIL STABILIZATION AND SEDIMENT CONTROL PLAN**

- 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.
- CONSTRUCTION ACCESS STABILIZATION ENTRANCE PADS ARE TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF SITE GRUBBING OR EARTHWORK ACTIVITY.
- 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.
- 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.
- TEMPORARY SITE SLOPE TREATMENTS FOR SOIL STABILIZATION SHALL CONSIST OF 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- EXISTING TREES AND VEGETATION WILL BE RETAINED WHENEVER FEASIBLE.
- SITE SOIL EROSION AND SOIL STABILIZATION AND SEDIMENT CONTROLS MUST CONFORM TO ALL REQUIREMENTS OF THE APPLICABLE LOCAL COMMUNITY ORDINANCES AND STATE REGULATIONS.

**GENERAL NOTES:**

- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH ANY APPLICABLE LOCAL, STATE AND FEDERAL LAWS GOVERNING HIS INTENDED ACTIVITIES. OSHA REGULATIONS ARE APPLICABLE OF PROJECT SITE CONSTRUCTION ACTIVITIES.
- ALL CONSTRUCTION WILL BE UNDERTAKEN IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE TOWN OF TIVERTON.
- IT SHALL BE THE CONTRACTOR'S SOLE 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.
- IF THE MUNICIPALITY REQUIRES A PROJECT PRE-CONSTRUCTION CONFERENCE, THE PROJECT DEVELOPER AND THE PROJECT CONTRACTOR WILL ATTEND AND WILL PROVIDE ALL REQUESTED MATERIALS PRIOR TO COMMENCING ANY WORK.
- IF CEMENT CONCRETE MIX TRUCKS ARE TO BE WASHED OUT ON SITE, THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING A WASH OUT AREA WITH APPROPRIATE PROTECTION CONTROLS.
- 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.



**ROOF LEADER COLLECTOR DETAIL**  
NOT TO SCALE

**F.5.2.2 Bioretention Soil**  
The soil should be a uniform mix, free of stones, stumps, roots or other similar objects larger than two inches. No other materials or substances should be mixed or dumped within the bioretention area that may be harmful to plant growth, or prove a hindrance to the planting or maintenance operations. The bioretention soil should be free of noxious weeds. The bioretention system shall utilize planting soil having a composition as follows:  
Sand: 85-88%  
Soil fines: 8 to 12% (no more than 2% clay)  
Organic Matter\*: 3 to 5%  
\*Note: For bioretention applications with a soil depth of less than 4 feet, add 20% (by volume) of well aged (3 months), well aerated, leaf compost (or approved equivalent) to the above planting soil mixture. Where soil fines content is less than 12%, add a corresponding % of leaf compost. A textural analysis is required to ensure the bioretention soil meets the specification listed above. The bioretention soil should also be tested for the following criteria:  
pH range: 5.2 - 7.0  
magnesium not to exceed 32 ppm  
phosphorus P205 not to exceed 69 ppm  
potassium K20 not to exceed 78 ppm  
soluble salts not to exceed 500 ppm

**F.5.2.3 Mulch Layer Specifications.**  
A finely shredded, well-aged organic hardwood mulch is the preferred accepted mulch; a finely shredded, well-aged organic dark pine mulch may be accepted on a case-by-case basis. Bark dust mulches and wood chips will float and move to the perimeter of the bioretention area during a storm event and are not acceptable. Shredded mulch must be well aged (6-12 months) for acceptance. Mix approximately 1/4 the specified mulch layer into the planting soil to a depth of approximately 4 inches to help foster a highly organic surface layer.

**DETENTION BASIN MAINTENANCE SCHEDULE:**

- Side-slopes, embankments, and the upper stage of the basin will be mowed at least once per growing season, to prevent unwanted woody growth. This storm water facility is to be managed for wildlife habitat, therefore, mowings will be conducted after mid August to prevent mortality to ground nesting birds and animals.
- All trash and litter and other debris will be removed from the storm water facility including inlet and outlet structures. This will be accomplished at least twice per year, preferably spring and fall.
- Sediments will be removed from the basin immediately following site stabilization and every year thereafter. Accumulated sediments may have to be removed more frequently if the sediment storage capacity of the forebays or sediment storage areas are within the last 10 percent of available capacity. Sediment removal within the basin will restore the original capacity and design depth.
- If blockage of a basin outlet structure occurs it may be necessary to dewater the pond for access to the blockage. The dewatering flow must be adequately filtered prior to discharge into a receiving water body to remove suspended solids.
- Pools of stagnant water in detention basins indicates failure due to erosion and scouring of the basin bottom, particularly near an inlet device. This deficiency will be corrected immediately to prevent a nuisance habitat for insects, especially mosquitoes.
- All outlet structures and outflow channels will be inspected annually. Inspections will be accomplished several times during the first six months of operation, especially after rainfall events to check for clogging or, conversely, too rapid of a release.
- The grassed areas of the basin will be inspected at least twice per year to check for erosion problems. Problem areas must be reseeded immediately to stabilize exposed soils, thereby preventing erosion and potential clogging of outflow devices.
- Repairs or replacement of inlet/outlet structures, rip-rap channels, fences, or other elements of the facility will be done within 30 days of deficiency reports. If an emergency situation is imminent then repair/replacement must be done immediately to avert failure or danger to nearby residents.
- All sediment generated during construction and as a result of maintenance of the drainage system must be disposed of properly. Sediment shall not be disposed of in or near State or Federal regulated waters.
- Records of the first two years of maintenance following construction shall be submitted to RIDEM Division of Water Resources. Maintenance records for subsequent years shall be kept on file and submitted to RIDEM, Division of Water Resources, upon request.
- All drainage facilities will be maintained by the property owner.

**DETAILS**

Thomas J. Principe, III  
REGISTERED PROFESSIONAL ENGINEER

**PRINCIPE COMPANY, INC.**  
ENGINEERING DIVISION

27 SAKONNET RIDGE DRIVE  
TIVERTON, RI 02878  
401.816.5385  
www.PrincipeCompany.com

NOV 27 2024

**MINOR SUBDIVISION PRELIMINARY PLAN**  
FOR  
**STAFFORD ESTATES ASSESSORS PLAT 214 LOT 146**  
1088 STAFFORD ROAD  
IN  
TIVERTON, RHODE ISLAND

SCALE: 1" = 40'

SHEET NO: 7 OF 7

DRAWN BY: CB/RW

DESIGN BY:

CHECKED BY: STL

DATE: 11/30/2023

PROJECT NO.: SVY-2022-109