

LOCUS MAP  
NOT TO SCALE

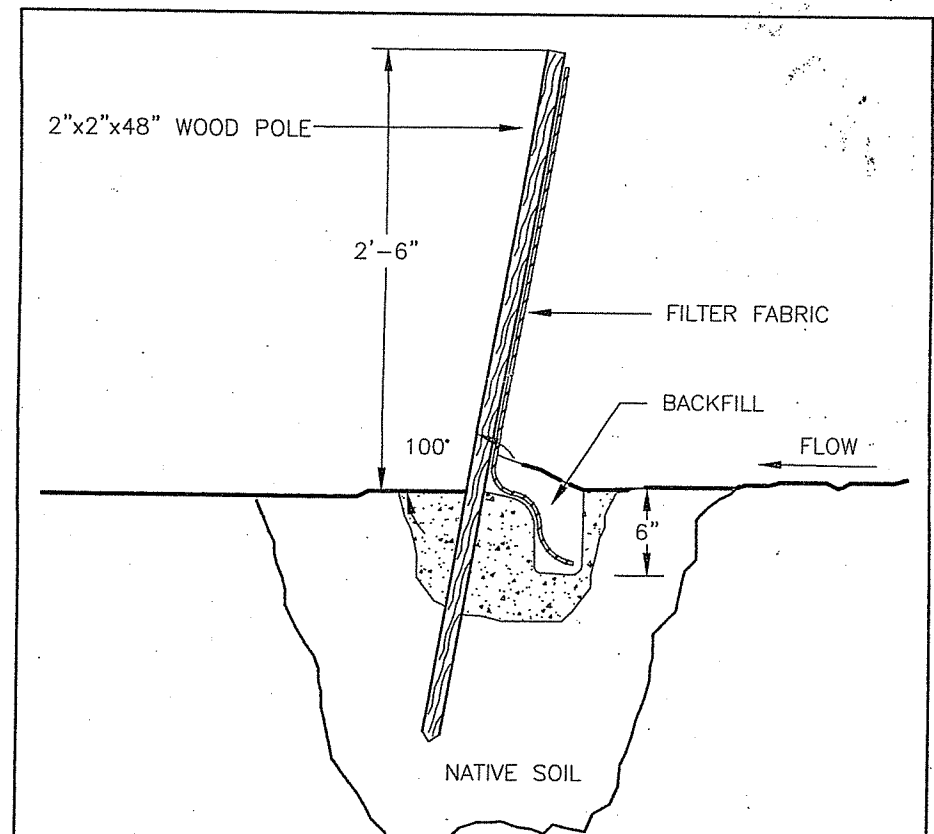
BEING A.P. 4, LOT 90  
LOT AREA = 41,268 sf

**TESTHOLE & PERCOLATION DATA**

- TH 1 - VERIFIED @ 13" (1815-0326)
- TH 2 - VERIFIED @ 15" (1815-0326)
- TH 3 - VERIFIED @ 15" (1815-0326)
- TH 4 - VERIFIED @ 14" (1815-0326)

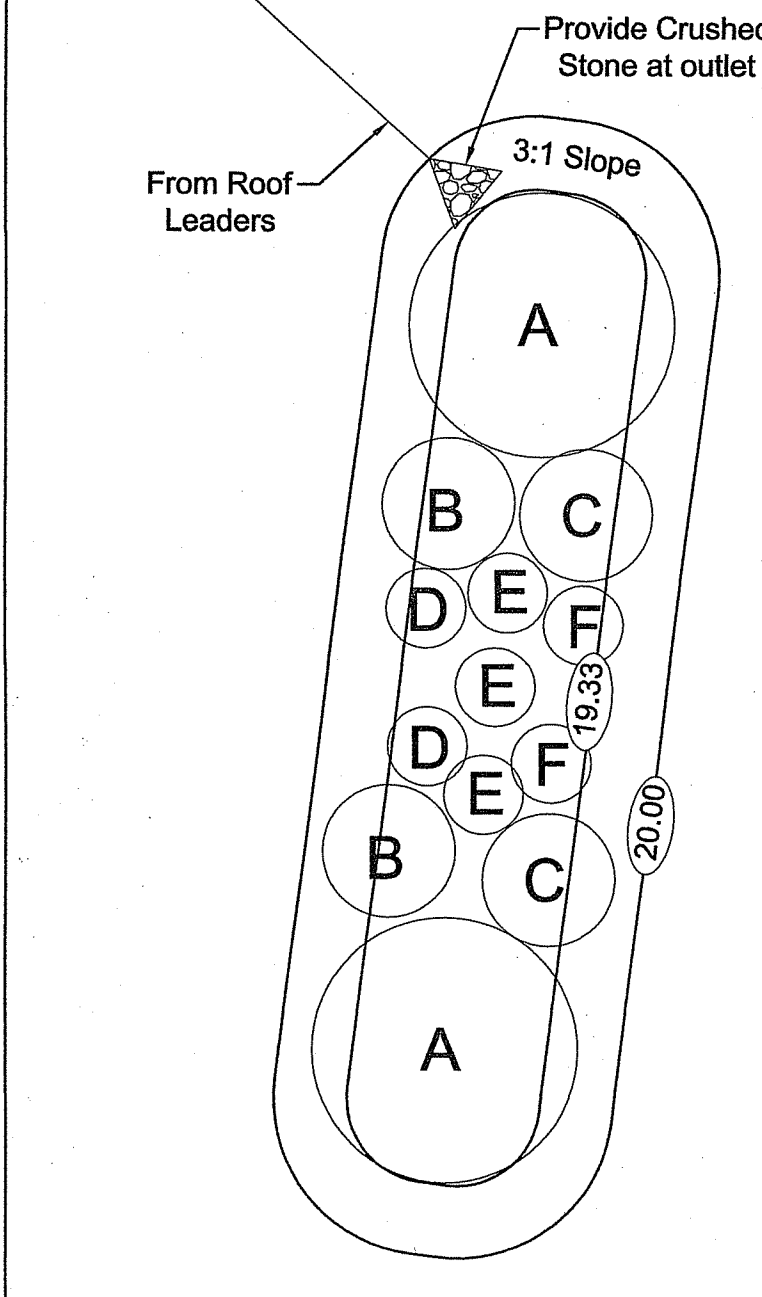
FEMA DETERMINATION:  
ZONE "X" - AREA OF MINIMAL FLOOD HAZARD  
ZONE "X" SHADED - 0.2% ANNUAL CHANCE FLOOD HAZARD  
PANEL NO. - 44005C0086J  
REVISED - SEPTEMBER 4, 2013

Crushed Stone Driveway Note:  
CRUSHED STONE FOR DRIVEWAY MUST BE 3/4 - 1 1/2 INCH DIAMETER, WASHED, ANGULAR CRUSHED STONE INSTALLED TO A MINIMUM DEPTH OF 3 INCHES. THE GRADE OF THE DRIVEWAY SHALL NOT BE HIGHER THAN THE ADJACENT GROUND ELEVATION.



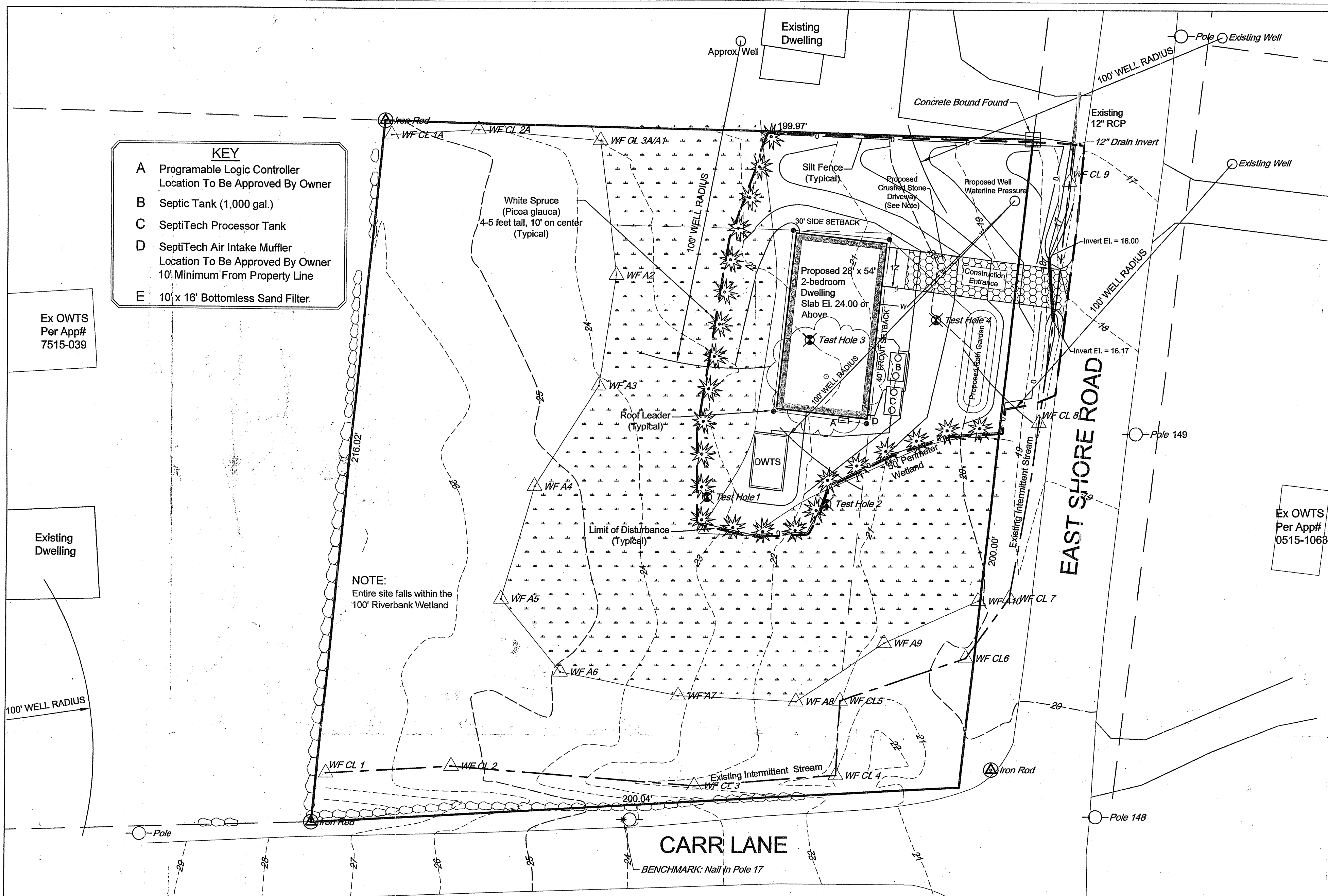
SILT FENCE DETAIL  
NOT TO SCALE

**RAIN GARDEN DETAIL**  
NOT TO SCALE



WATER QUALITY CALCULATIONS:  
PROPOSED HOUSE IMPERVIOUS AREA = 1512 S.F.  
1512 S.F. X 1" = 126 C.F. REQUIRED  
137 C.F. PROVIDED  
Rain Garden:  
Top of Garden Elev. 20.00  
Bottom of Garden Elev. 19.33  
Storage Volume Provided  
276 s.f. Top of Garden + 140 s.f.  
Bottom of Garden / 2 x 8" = 137 c.f.  
Planting Schedule:  
A - Highbush Blueberry  
B - Swamp Azalea  
C - Sweet Fern  
D - Joe Pye Weed  
E - New England Aster  
F - Tussock Sedge

- KEY**
- A Programmable Logic Controller Location To Be Approved By Owner
  - B Septic Tank (1,000 gal.)
  - C SeptiTech Processor Tank
  - D SeptiTech Air Intake Muffler Location To Be Approved By Owner 10' Minimum From Property Line
  - E 10' x 16' Bottomless Sand Filter

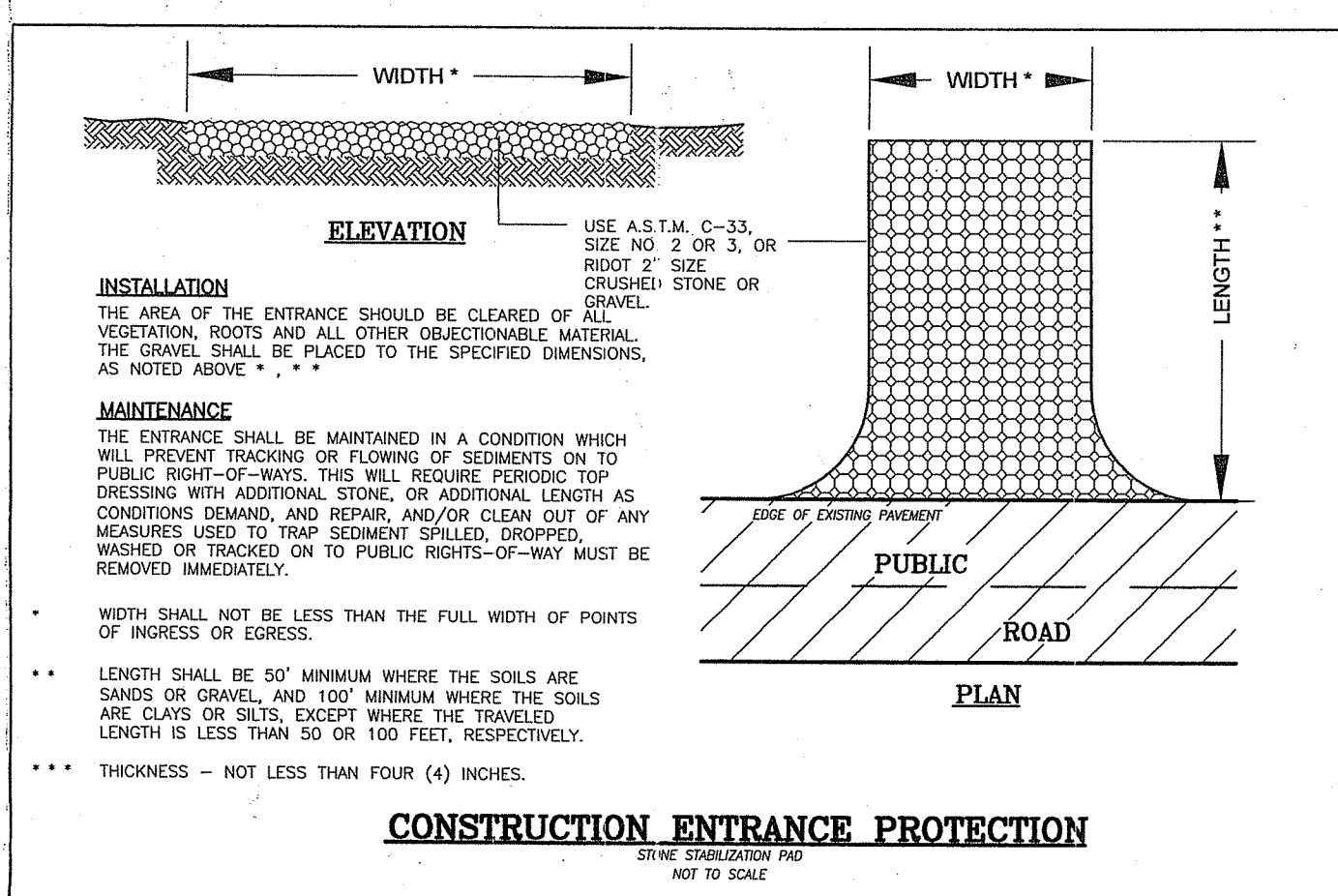


Ex OWTS Per App# 7515-039

Ex OWTS Per App# 0515-1063

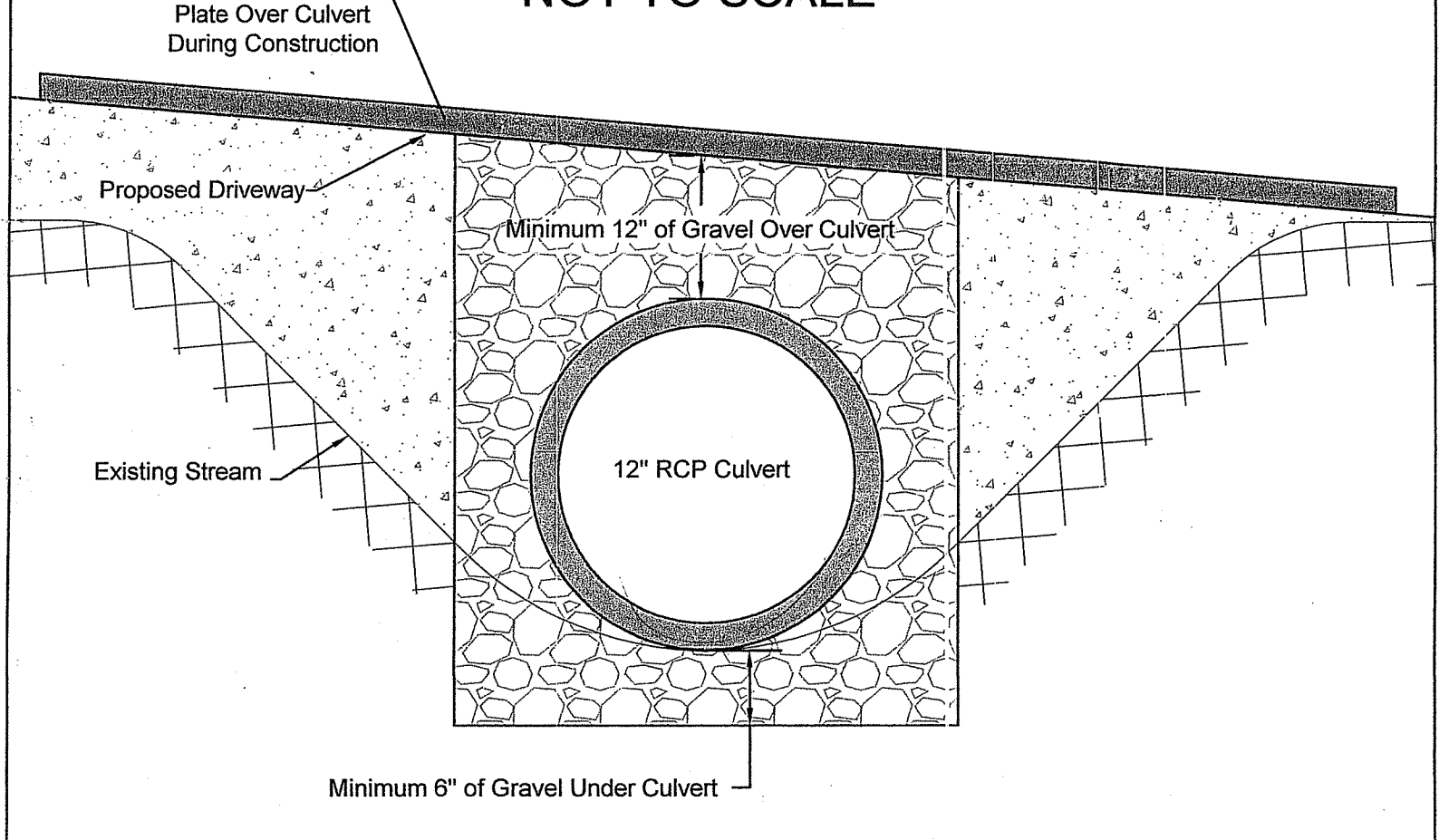
**Rain Garden Notes:**

1. The bottom of the rain gardens should be level to encourage the even distribution of stormwater and increase infiltration capacity.
2. The rain gardens should have a 2-4 inch amended soil layer and a 2-3 inch layer of non-dyed aged hardwood mulch.
3. The amended soil layer should be a 50/50 mixture of the excavated native soil and mature organic compost.
4. A crushed stone entrance should be installed at the inflow to prevent channeling.
5. A berm to detain stormwater should be constructed along the downhill side perpendicular to the slope.
6. Be sure that the soil within the rain garden does not become compacted by construction activity. If soil becomes severely compacted it may need to be tilled and amended to maintain proper drainage.
7. Rain gardens should be inspected following at least the first two precipitation events of at least 1.0 inch to ensure that the system is functioning properly. Thereafter, the rain garden shall be monitored and maintained to assure proper functioning, plant growth and survival. Plants shall be replaced on an as-needed basis during the growing season.
8. Silt/sediment shall be removed from the rain garden when the accumulation exceeds one inch, or when water ponds on the surface for more than 48 hours. The top few inches of material shall be removed and shall be replaced with fresh soil mixture and mulch.
9. Pruning or replacement of woody vegetation shall occur when dead or dying vegetation is observed.
10. Soil erosion gullies shall be repaired when they occur.
11. Fertilizer or pesticides shall not be applied to plants within the rain garden.
12. Perennial plants and ground cover shall be replaced as necessary to maintain an adequate vegetated ground cover.
13. All roof leaders are to be diverted into the proposed rain gardens.



CONSTRUCTION ENTRANCE PROTECTION  
NOT TO SCALE

**CULVERT CROSS SECTION DETAIL**  
NOT TO SCALE



Scale 1" = 20'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED FEB 11 2020 FILE # 19-07647  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

**EROSION CONTROL & SOIL STABILIZATION PROGRAM**

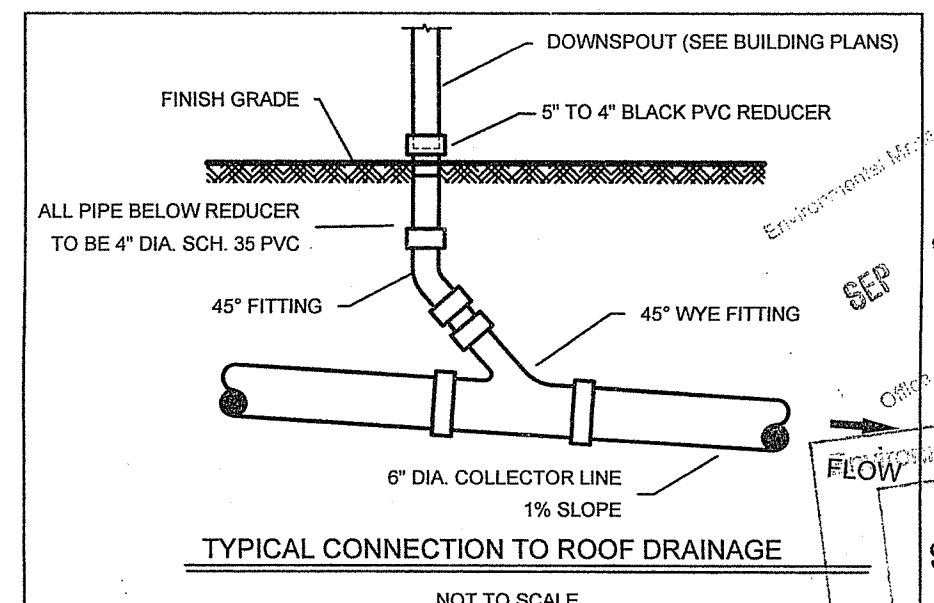
1. DENuded SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
2. ALL DISTURBED SLOPES EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION PERIOD.
3. THE 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 - MOWED AREA: ALL FLAT OR SLOPES LESS THAN 3:1  
MIXTURE % BY WT. SEEDING DATES  
RED FESCUE 75 APRIL 1 - JUNE 15  
KENTUCKY BLUEGRASS 15 AUG. 15 - OCT. 15  
COLONIAL BENTGRASS 5  
PERENNIAL RYEGRASS 5  
TOTAL 100%/ACRE  
PERMANENT SEEDING MIXTURES:  
B - UNMOWED AREA OR INFREQUENTLY MOWED: FLAT OR SLOPES GREATER THAN 3:1  
MIXTURE % BY WT. SEEDING DATES  
RED FESCUE 75 APRIL 1 - JUNE 15  
PERENNIAL RYEGRASS 5 AUG. 15 - OCT. 15  
COLONIAL BENTGRASS 5  
BIRDSFOOT TREFOIL 15  
TOTAL 100%/ACRE  
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, EXCELLENTOR 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 3000-4000 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 SEEDINGS CAN BE USED TO HELP MINIMIZE EROSION. A TEMPORARY SEEDING GUIDE MUST BE INCLUDED AS A REFERENCE. THE FOLLOWING SPECIES ARE RECOMMENDED:  
SPECIES LBS/ACRE LBS/1,000 SQ. FT. SEEDING DATES  
ANNUAL RYEGRASS 60 1.5 MAR. 15 - JUNE 15  
PERENNIAL SUDAN GRASS 40 1.0 MAY 15 - AUGUST 15  
MILLET 40 1.0 MAY 15 - AUGUST 15  
WINTER RYE 120 3.0 AUGUST 15 - JUNE 15  
OATS 120 3.0 MAR. 15 - JUNE 15  
WEEDING LOVEGRASS 20 0.5 MAY 1 - JUNE 30  
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. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THRU OCT. 15TH.  
11. ALL FILL SHALL BE THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH THE R.I.D.P.W. STANDARD SPECIFICATIONS SECTION 202.  
12. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 15 DAYS OF FINAL GRADING.  
13. STOCKPILES OF TOPSOILS SHALL NOT BE LOCATED NEAR WATERWAYS OR WETLANDS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES SHALL ALSO BE SEEDED AND/OR STABILIZED.  
14. ON BOTH STEEP AND LONG SLOPES CONSIDERATION SHOULD BE GIVEN TO "CRIMPING" OR "TRACKING" TO TACK DOWN MULCH APPLICATIONS.  
15. REFERENCE THE SEDIMENTATION CONTROL PROGRAM AND ORDER OF PROCEDURE FOR PROPER COORDINATION.

**SEDIMENTATION CONTROL PROGRAM**

1. ALL DISTURBED AREAS SUBJECT TO EROSION TENDENCIES WHETHER THEY ARE NEWLY FILLED OR EXCAVATED SHALL RECEIVE SUITABLE SLOPE PROTECTION.
2. DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
3. CARE SHALL BE TAKEN SO AS TO PREVENT ANY UNSUITABLE MATERIAL FROM ENTERING EITHER EXISTING OR PROPOSED DRAINAGE OR SEWER STRUCTURES.
4. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED PERIODICALLY AND AFTER PERIODS OF RAINFALL. SUCH DEVICES SHALL BE REPAIRED OR REPLACED AS NEEDED.  
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.  
ADDITIONAL HAYBALES, SILT FENCE OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE ENGINEER.  
REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, WITH ANY AMENDMENTS, AS A GUIDE.

**ORDER OF PROCEDURE**

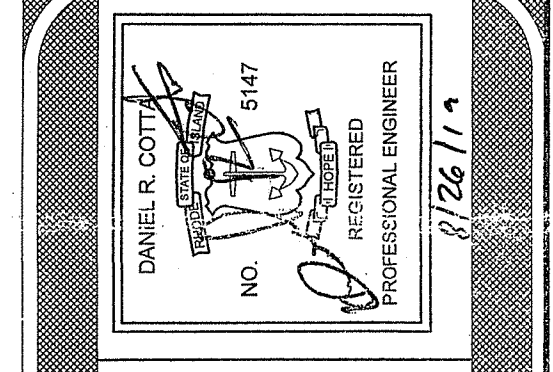
1. IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING OPERATION AND PRIOR TO ANY GRADING, TEMPORARY HAYBALES, SILTFENCE OR SANDBAGS SHALL BE PLACED OUTSIDE THE LIMITS OF DISTURBANCE AS SHOWN ON THE PLANS. (E. ALONG NEW ROADWAYS, STREAMBANKS, CRITICAL AREAS, ETC.)
2. ALL EROSION AND SEDIMENTATION CONTROL MEASURES 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 CONTROL PROGRAMS FOR TEMPORARY CONTROL.



TYPICAL CONNECTION TO ROOF DRAINAGE  
NOT TO SCALE

WETLAND SUBMISSION  
FOR  
**DANIEL WILCOX**  
LOCATED AT  
**POLE #149 EAST SHORE ROAD**  
JAMESTOWN, RI 02835

Checked By: D/C  
Date: 8/23/2019  
Drawn By: MJC  
Scale: 1" = 20'  
NO. REVISION REVISIONS



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