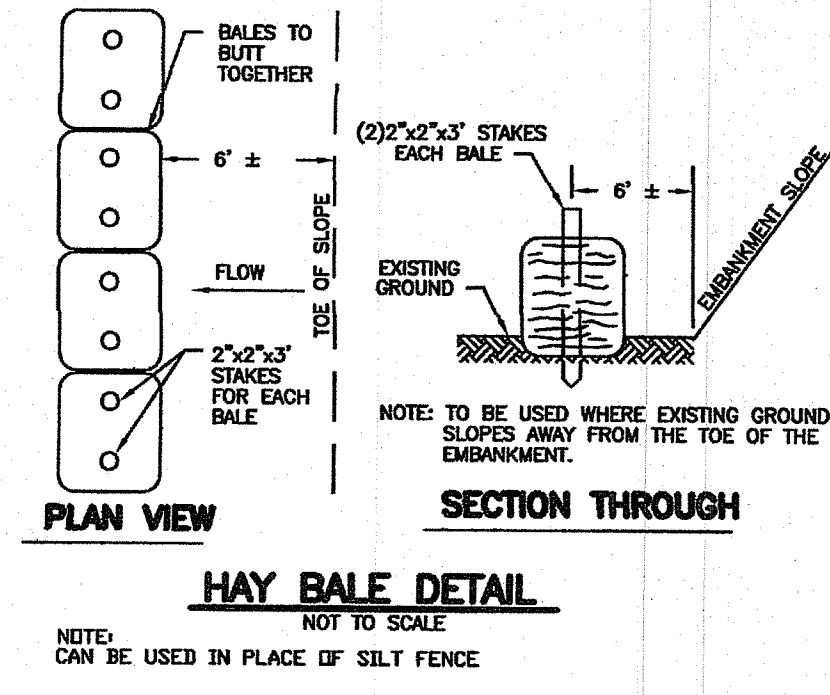


**SILT FENCE DETAIL**  
NOT TO SCALE

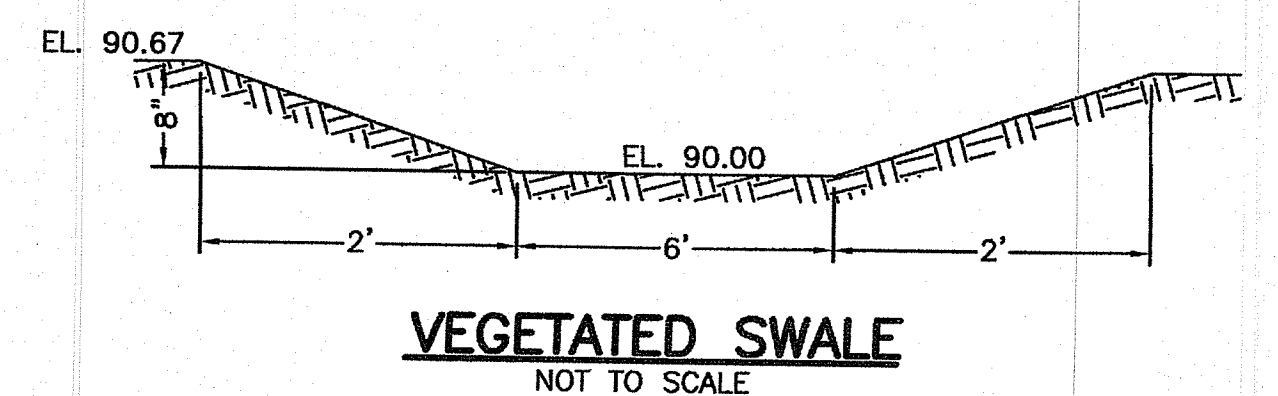


**HAY BALE DETAIL**  
NOT TO SCALE

**SEQUENCE OF OPERATION**

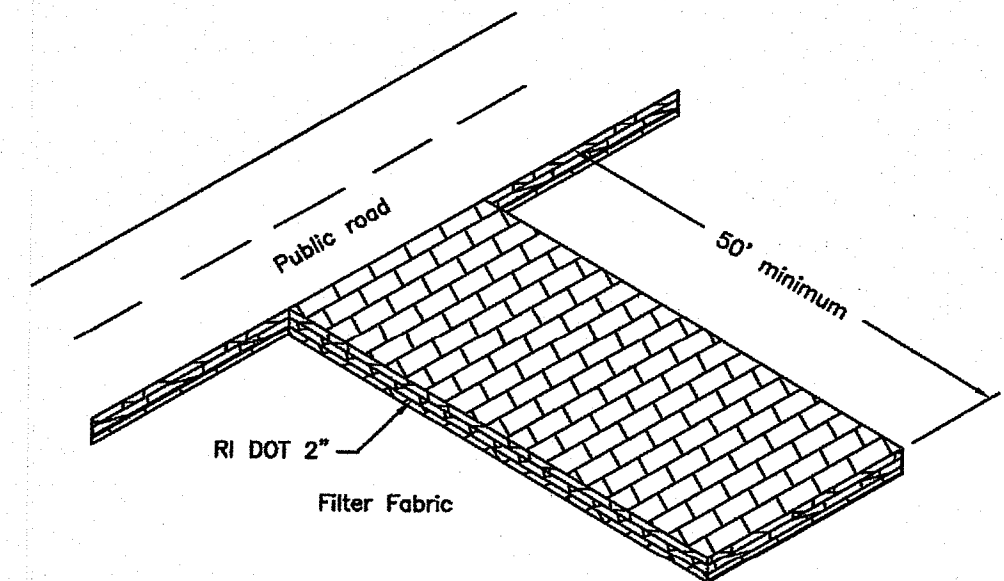
1. QUANTITIES AS PER NARRATIVE DESCRIPTION
2. SEQUENCE: a) GRAVEL CONSTRUCTION ACCESS ROAD SHALL BE CONSTRUCTED PRIOR TO ALL OTHER EQUIPMENT ENTERING THE SITE. THE ROAD SHALL BE MAINTAINED THROUGHOUT ALL CONSTRUCTION. CARE SHALL BE TAKEN TO MINIMIZE DIRT AND MUD FROM ENTERING THE PAVED PUBLIC WAY. b) SILTATION CONTROL SHALL BE INSTALLED AS SHOWN PRIOR TO ANY EXCAVATION ON THE SITE. SILTATION CONTROL SHALL REMAIN IN PLACE UNTIL ALL SITE CONSTRUCTION IS COMPLETED AND THE AREA HAS BEEN SEEDED AND STABILIZED. c) SITE EXCAVATION SHALL COMMENCE WITH THE BUILDING FOUNDATION. EXCAVATED MATERIAL SHALL BE HAULED OFF SITE OR REUSED ON-SITE AS PER OWNER. STOCKPILED MATERIAL SHALL BE USED TO THE EXTENT POSSIBLE AS FINAL COVER. ALL LOAM EXCAVATED ON-SITE SHALL BE STORED AND SAVED FOR FINAL COVER. NO MATERIAL SHALL BE REMOVED FROM THE SITE WITHOUT THE PERMISSION OF THE OWNER. d) UPON COMPLETION OF ALL SITE WORK, THE AREA IS TO BE PROMPTLY LOAMED AND SEEDDED. SILTATION CONTROL SHALL REMAIN IN PLACE UNTIL VEGETATION IS IN PLACE. ANY MATERIAL STOCKPILED DURING CONSTRUCTION SHALL BE COVERED WITH MULCH IF NOT TO BE USED WITHIN THREE DAYS.

- RI STORMWATER MANAGEMENT GUIDANCE FOR INDIVIDUAL SINGLE FAMILY RESIDENTIAL LOT DEVELOPMENT**
- STEP 1: NEW ROOFTOP & DRIVEWAY AREAS - 3457 SF (DWELLING=1648 SF, DRIVEWAY=1809 SF)
  - STEP 2: LOCATION OF CONTROLS - SANDS AND LOAMY SANDS, 84" O.C. WT AS PER OWTS APPROVED PLAN
  - STEP 3: STORMWATER CONTROL - VEGETATED SWALE FOR ROOF, POROUS GRAVEL & SHELL FOR DRIVEWAY
  - STEP 4: SIZE OF CONTROL, WQ - VEGETATED SWALE FOR DWELLING 176 SF REQUIRED & 180 SF PROVIDED
  - STEP 5: SITE PLAN - INCLUDED



**GENERAL MAINTENANCE REQUIREMENTS FOR VEGETATED SWALE:**

- 1) SWALE SHOULD BE MOWED AT LEAST ONCE PER GROWING SEASON TO PREVENT ESTABLISHMENT OF WOODY GROWTH AND OTHER UNDESIRABLE PLANTS TO INHIBIT PROPER PERFORMANCE. GRASS VEGETATION SHOULD NOT BE CUT SHORTER THAN 4 INCHES.
- 2) BARE SPOTS AND ERODED AREAS WITHIN THE SWALE MUST BE RESEEDDED IMMEDIATELY FOLLOWING OBSERVATIONS TO PREVENT SUBSEQUENT FAILURE OF THE SYSTEM.
- 3) SWALE SHOULD BE INSPECTED ON A SEMI-ANNUAL BASIS. ALL TRASH AND OTHER LITTER MUST BE REMOVED DURING INSPECTIONS.
- 4) SEDIMENTS SHOULD BE REMOVED AT LEAST ONCE PER YEAR OR MORE FREQUENTLY IF SEDIMENTS ARE OVER TOPPING CHECK-DAMS. ACCUMULATED SEDIMENTS MUST BE REMOVED MANUALLY TO PREVENT DAMAGE TO THE SWALE. RESEEDING MAY BE NECESSARY AFTER SEDIMENT REMOVAL OPERATIONS, ESPECIALLY IF EXCESSIVE DAMAGE IS DONE TO VEGETATION.



**CONSTRUCTION ROAD DETAIL**  
NOT TO SCALE

**GENERAL NOTES**

1. ALL CHANGES TO THIS PLAN MUST BE APPROVED BY THE RI DEM, TOWN OF JOHNSTON, AND/OR MOUNT HOPE ENGINEERING.
2. ALL WORK AND MATERIALS SHALL CONFORM TO THE REQUIREMENTS OF THE STATE ENVIRONMENTAL CODE AND ANY APPLICABLE LOCAL RULES AND REGULATIONS.
3. ANY CONDITIONS ENCOUNTERED DURING CONSTRUCTION DIFFERING FROM THOSE SHOWN HEREON SHALL BE REPORTED TO MOUNT HOPE ENGINEERING, BEFORE CONSTRUCTION CONTINUES.
4. ALL ELEVATIONS BASED ON ASSUMED DATUM.
5. PROPOSED DRIVE TO SERVE AS CONSTRUCTION ACCESS ROAD DURING ALL CONSTRUCTION. COMPACTED GRAVEL BASE OF 1 1/2"-2" STONE SHALL BE SET PRIOR TO ALL OTHER CONSTRUCTION. UPON COMPLETION OF ALL SITE WORK, ACCESS ROAD SHALL BE FINISHED AS PER OWNER.
6. ALL LOAM SHALL BE STOCKPILED SEPARATELY AND SHALL BE REUSED TO THE EXTENT POSSIBLE AS DIRECTED BY THE OWNER.
7. STOCKPILE AREA OF APPROXIMATELY 200 CY SHALL BE REUSED AS NECESSARY AND TO THE EXTENT POSSIBLE. ALL EXCESS MATERIALS GREATER THAN 400 CY SHALL BE HAULED OFF SITE FOR PROPER DISPOSAL.
8. PROPERTY LINE INFORMATION TAKEN FROM CLASS 1 SURVEY TOPO TAKEN FROM GROUND DATA AND FIELD VERIFIED. PROPOSED HOUSE LOCATION TO BE APPROVED BY LOCAL AUTHORITIES AS NECESSARY PRIOR TO CONSTRUCTION.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED SEP 28 2020 FILE # 19-0249  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Nancy L. Freeman*

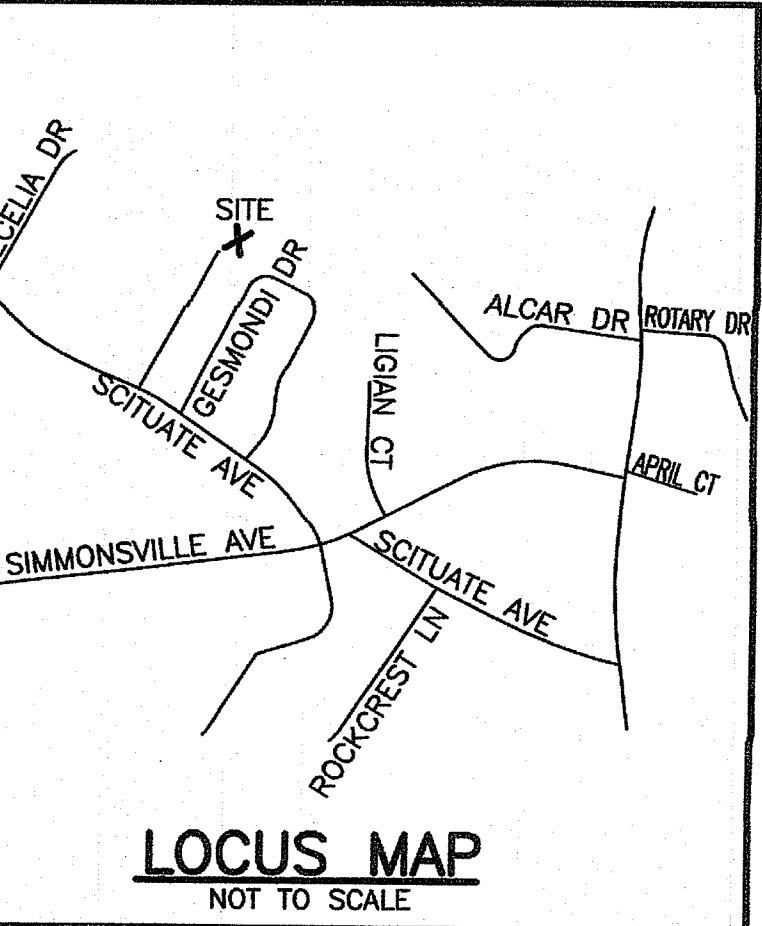
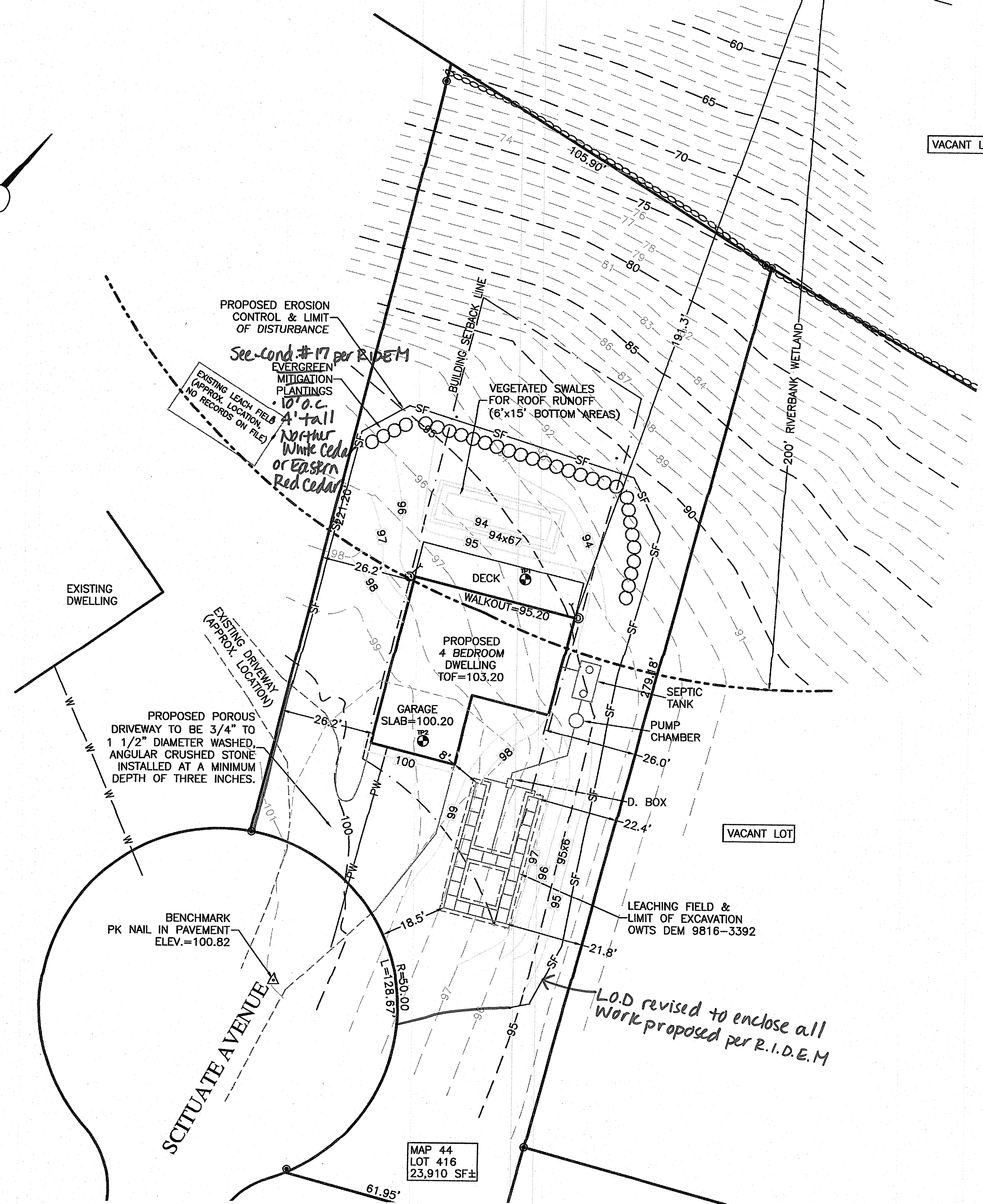
**LEGEND**

---	EXISTING CONTOURS
---	PROPOSED CONTOURS
D	DRAIN LINE
W	WATER LINE
SF	SOIL EROSION CONTROL / LIMIT OF DISTURBANCE
⊕	TEST PIT
56x5	EXISTING SPOT GRADE
56x3	PROPOSED SPOT GRADE

**TEST PIT DATA**

PERFORMED BY: BRANDON FANEUF	PERFORMED BY: BRANDON FANEUF
DATE PERFORMED: AUGUST 1, 2019	DATE PERFORMED: AUGUST 1, 2019
TEST PIT #1	TEST PIT #2
GROUND ELEV. = 95.5	GROUND ELEV. = 98.9
GROUND WATER ELEV. = 84" OG	GROUND WATER ELEV. = 84" OG
BOTTOM OF TEST PIT = 87.2	BOTTOM OF TEST PIT = 89.4
PERC TEST ELEV. = SOIL EVAL	PERC TEST ELEV. = SOIL EVAL
PERC RATE = 10 MIN./INCH	PERC RATE = 10 MIN./INCH

FILL	0"	FILL	18"
FSL	8"	FSL	8"
STSL	36"	STSL	36"
STGSL	96"	STGSL	96"



REVISED: 08/31/20  
REVISED: 03/03/20

**SOIL EROSION AND CONTROL PLAN**

PREPARED FOR: RANI VAILS  
222 BROADWAY  
PROVIDENCE, RI 02903

OWNED BY: DIVINE INVESTMENTS INC  
LOCATION: MAP 44, LOT 416  
SCITUATE AVENUE, JOHNSTON

SCALE: 1" = 20'  
DATE: 10/10/19  
DRAWN: AB  
DESIGN: TC  
CHECKED: TC

PROJECT NO. 19-223  
SHEET NO. 1 OF 1

**MOUNT HOPE ENGINEERING**  
CIVIL/ENVIRONMENTAL SERVICES  
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Portsmouth, Rhode Island 02871  
(401) 683-1934/(508) 379-1234