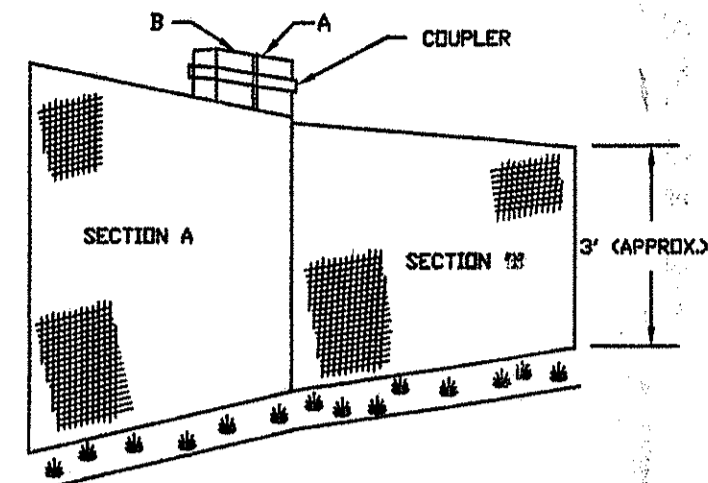
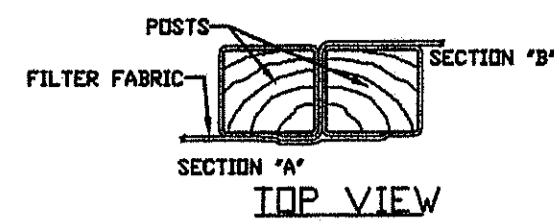


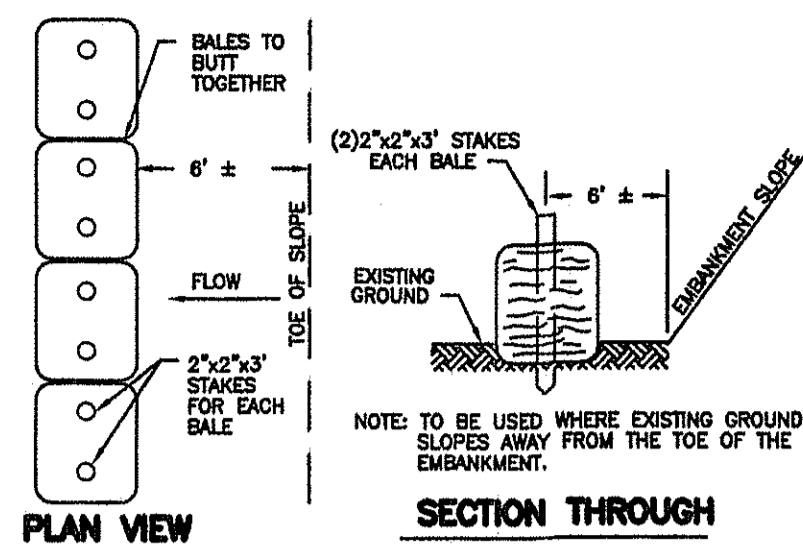
TOE IN METHODS



JOINING SECTIONS OF SILT FENCE

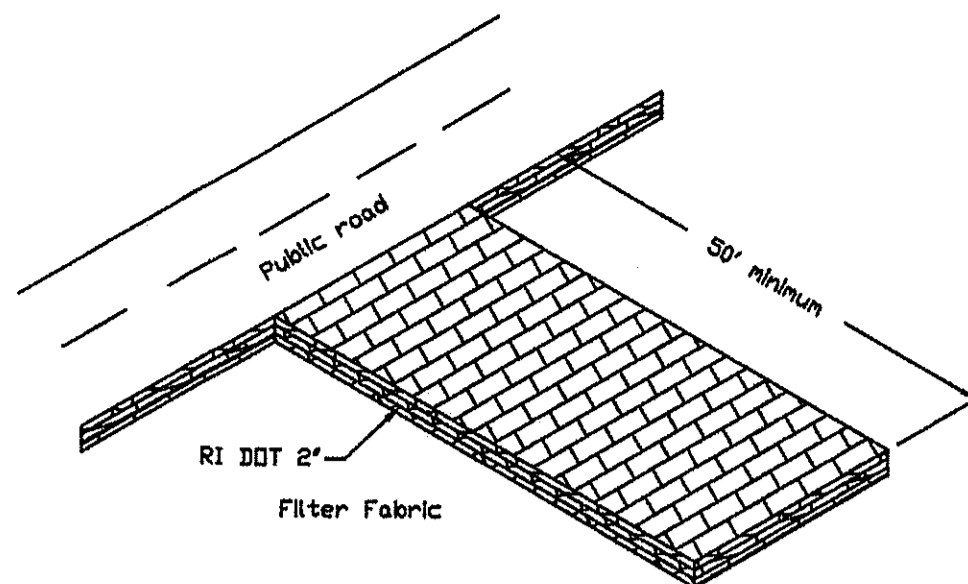
SILT FENCE DETAIL

NOT TO SCALE



HAY BALE DETAIL

NOT TO SCALE
NOTE: CAN BE USED IN PLACE OF SILT FENCE



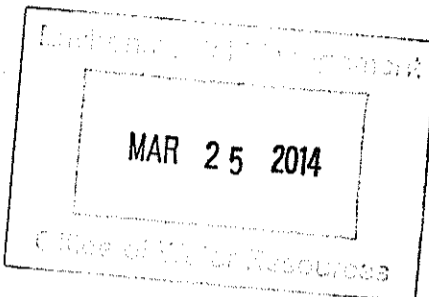
CONSTRUCTION ROAD DETAIL

NOT TO SCALE

SEQUENCE OF OPERATION

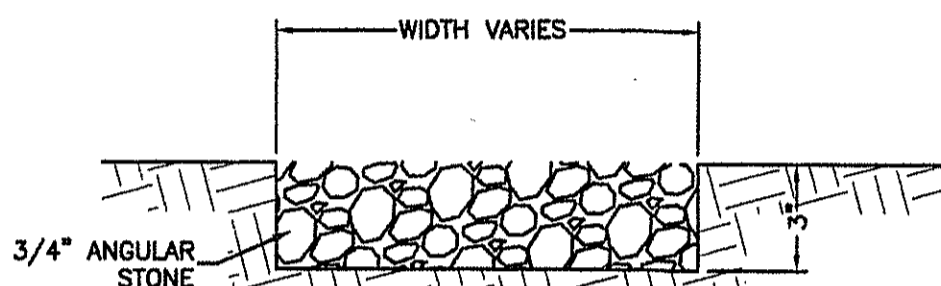
1. QUANTITIES AS PER NARRATIVE DESCRIPTION
2. SEQUENCE: a) GRAVEL CONSTRUCTION ACCESS ROAD SHALL BE CONSTRUCTED PRIOR TO ALL OTHER EQUIPMENT ENTERING THE SITE. THE ROAD SHALL BE MAINTAINED THROUGHOUT ALL CONSTRUCTION. CARE SHALL BE TAKEN TO MINIMIZE DIRT AND MUD FROM ENTERING THE PAVED PUBLIC WAY. b) 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 LOADED AND SEEDING. 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.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED APR 24 2014 FILE # 14-0063
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



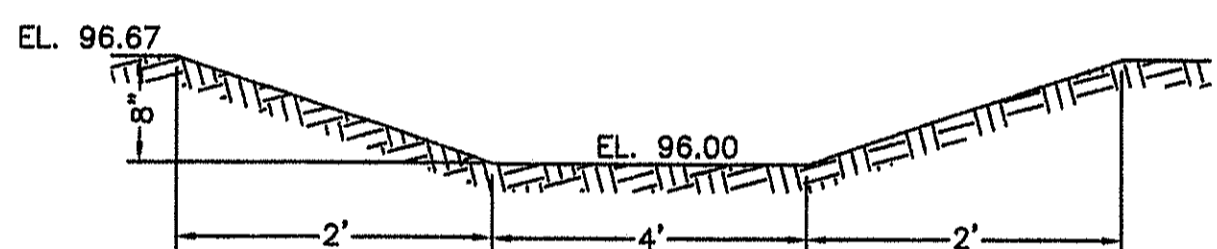
GENERAL NOTES

1. ALL CHANGES TO THIS PLAN MUST BE APPROVED BY THE RI DEM, TOWN OF MIDDLETOWN, 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 PLAN TITLED "PROPERTY LINE SURVEY OF PLAT 130 LOT 15A", DRAWN BY BARKER LAND SURVEYING, INC., DATED OCTOBER 13, 2013. PROPOSED HOUSE LOCATION TO BE APPROVED BY LOCAL AUTHORITIES AS NECESSARY PRIOR TO CONSTRUCTION.



DRIVEWAY DETAIL

NOT TO SCALE



VEGETATED SWALE

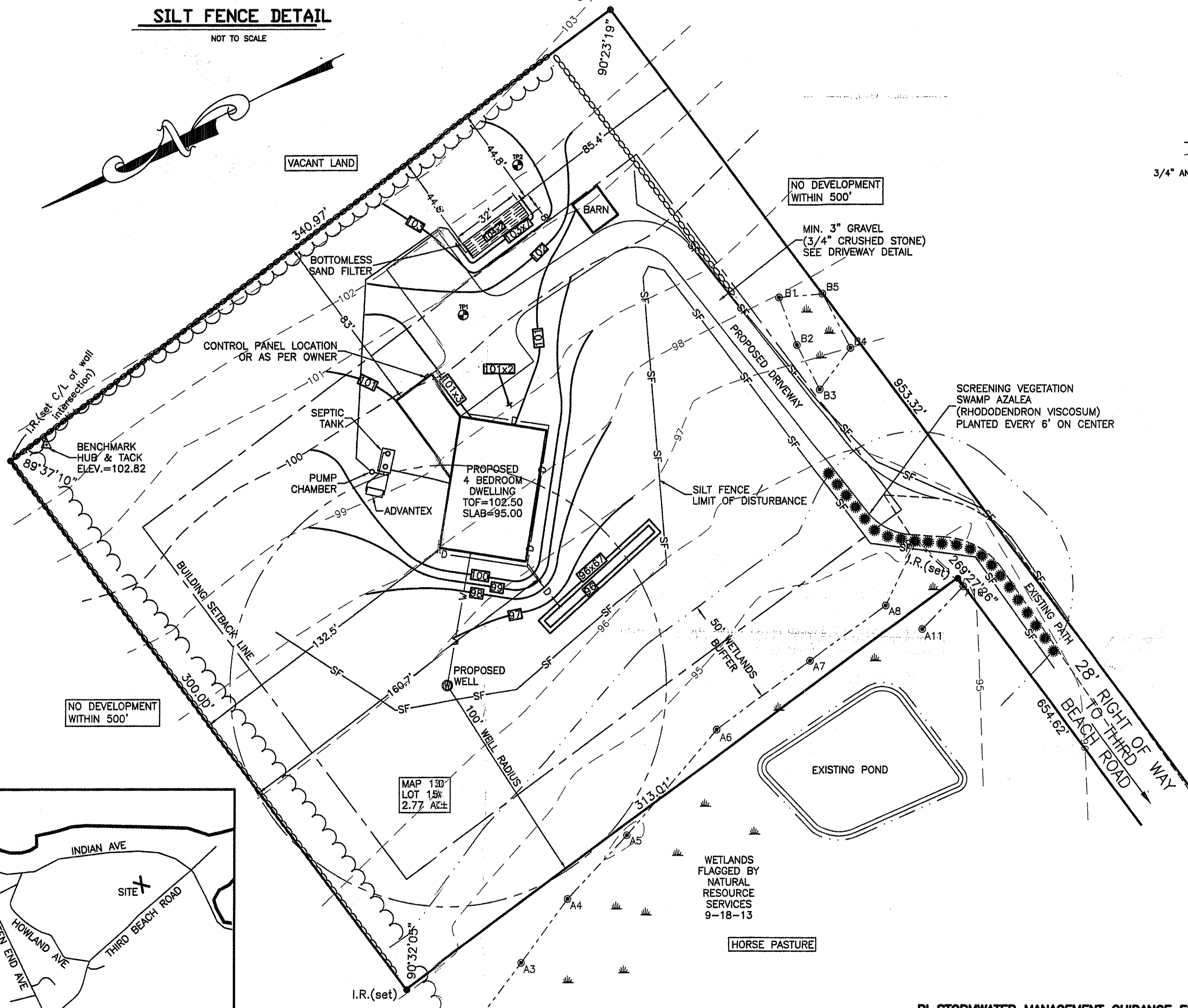
NOT TO SCALE

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 RESEEDING 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.

LEGEND

56	EXISTING CONTOURS
56	PROPOSED CONTOURS
D	DRAIN LINE
W	WATER LINE
SF	SILT FENCE/LIMIT OF DISTURBANCE
⊙	TEST PIT
56x5	EXISTING SPOT GRADE
56x5	PROPOSED SPOT GRADE
□	BOUND
□	PROPOSED SILT FENCE



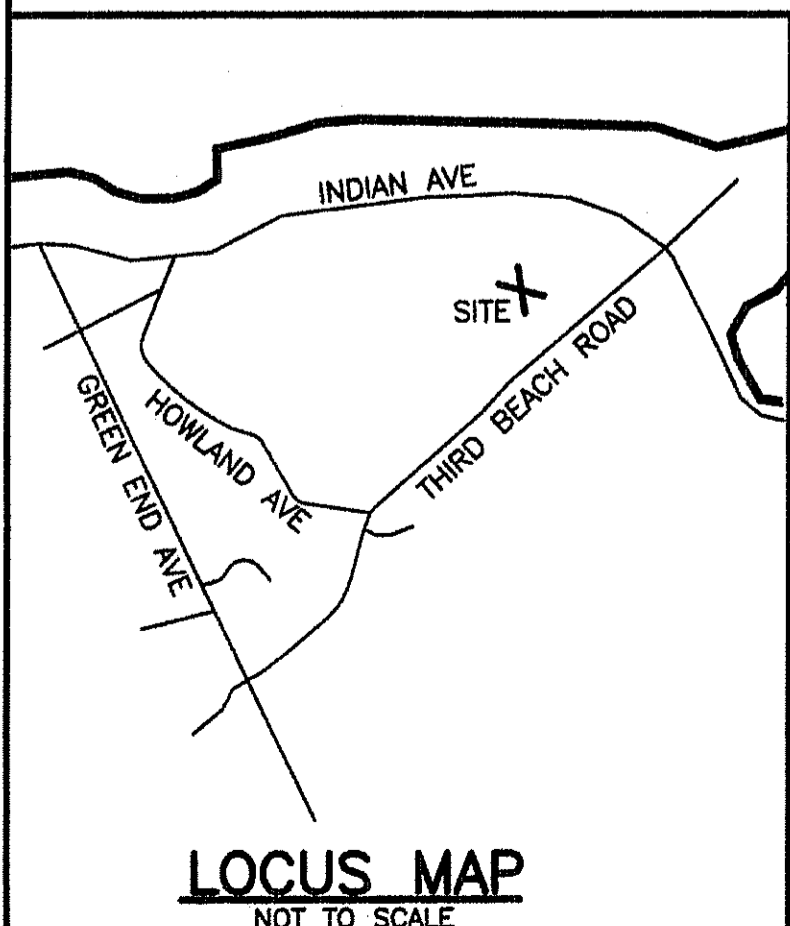
SITE PLAN

SCALE: 1" = 7'

RI STORMWATER MANAGEMENT GUIDANCE FOR INDIVIDUAL SINGLE FAMILY RESIDENTIAL LOT DEVELOPMENT

- STEP 1: NEW ROOFTOP & DRIVEWAY AREAS - 8786 SF (DWELLING=3076 SF, DRIVEWAY=5710 SF)
- STEP 2: LOCATION OF CONTROLS - SANDY LOAMS, 14" WT AS PER SOIL EVALUATION
- STEP 3: STORMWATER CONTROL - VEGETATED SWALE FOR ROOF, POROUS GRAVEL & SHELL FOR DRIVEWAY
- STEP 4: SIZE OF CONTROL, WQ - VEGETATED SWALE FOR DWELLING 256 SF REQUIRED & PROVIDED
- STEP 5: SITE PLAN - INCLUDED

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



SOIL EROSION & CONTROL PLAN	
PREPARED FOR: DAVID HUBERMAN 129 RESERVOIR ROAD MIDDLETOWN, RI 02842	SCALE: 1" = 30' DATE: 03/13/14
OWNED BY: DAVID HUBERMAN	DRAWN: AB
LOCATION: MAP 130, LOT 15A THIRD BEACH ROAD, MIDDLETOWN	DESIGN: TC
TODD CHAPLIN REGISTERED PROFESSIONAL ENGINEER	CHECKED: TC
Mount Hope ENGINEERING CIVIL/ENVIRONMENTAL SERVICES Post Office Box 943 Portsmouth, Rhode Island 02871 (401) 683-1934/(508) 379-1234	PROJECT NO. 13-229
	SHEET NO. 1 OF 1