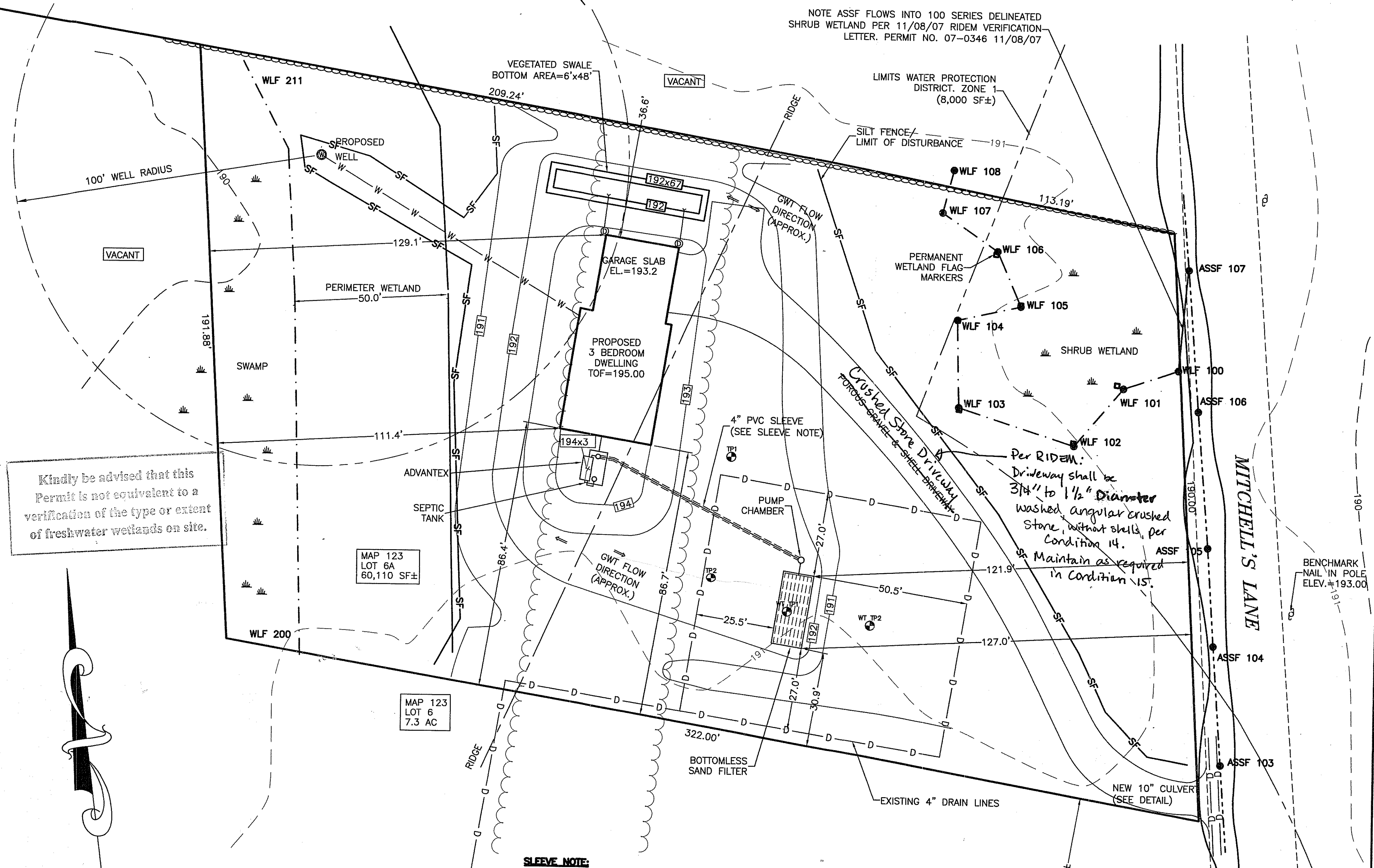


OVERALL AREA PLAN
SCALE: 1" = 200'

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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED JUN 19 2015 FILE # 15-007A
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

RESTORATION NOTES FOR TEMPORARY PERIMETER WETLAND ALTERATION
1. EROSION CONTROLS SHALL REMAIN IN PLACE UNTIL THE AREA HAS STABILIZED WITH VEGETATION.
2. ALL DRILL SPOILS SHALL BE REMOVED FROM THE PERIMETER WETLAND.
3. 6-8" OF SUITABLE TOPSOIL SHALL BE SPREAD OVER THE DISTURBED AREAS.
4. A CONSERVATION GRASS SEED MIXTURE SHALL BE RAKED INTO THE SOIL THEN COVERED WITH LOOSE STRAW.
5. THE AREA SHALL BE ALLOWED TO REVEGETATE NATURALLY, NO MOVING TO OCCUR WITHIN THE 50' PERIMETER WELANDS.

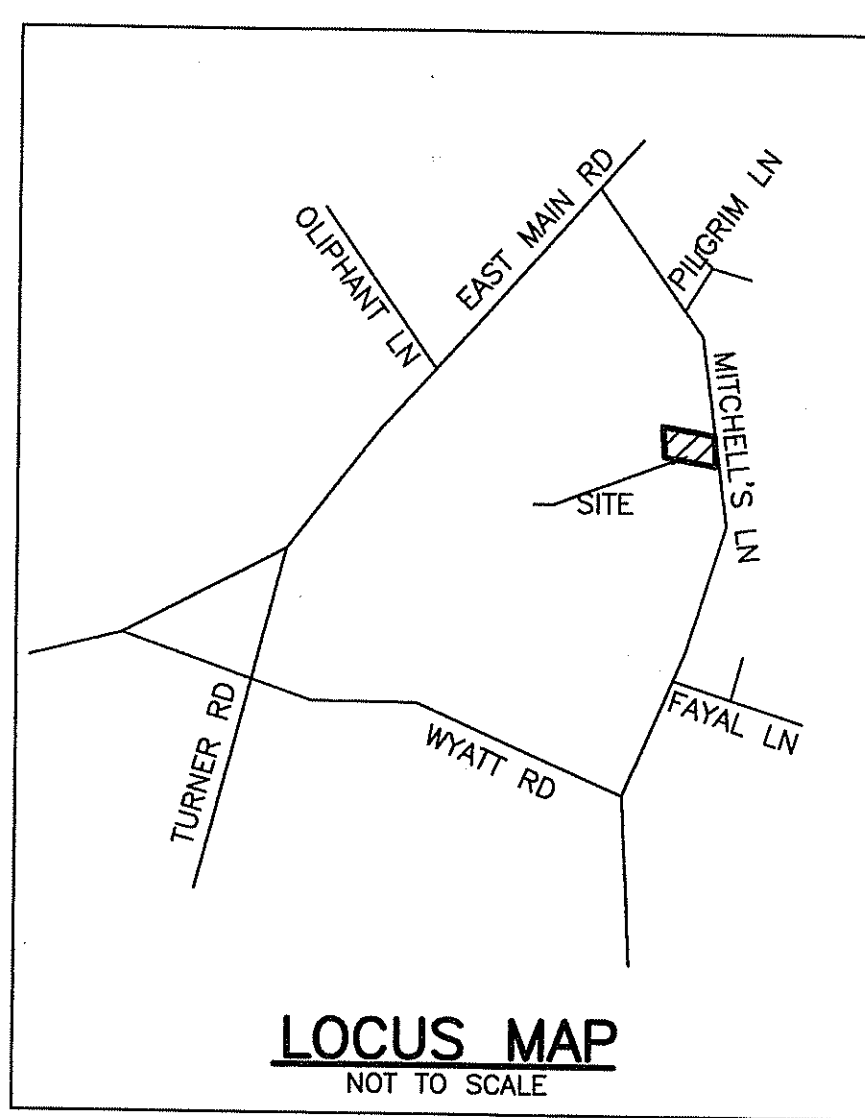


SLEEVE NOTE:
PROPOSED 2" PVC PIPE TO FORCE MAIN SHALL BE SLEEVED WITH A 4" PVC PIPE. THE SLEEVE SHALL BE SEAMLESS OR SCHEDULE 40 PVC OR EQUIVALENT WITH WATERTIGHT JOINTS AND IT SHALL HAVE A WATERTIGHT SEAL THAT IS FASTENED TO THE PIPES WITH A STAINLESS STEEL RETRACTABLE CLAMP. IF POSSIBLE, THE SEWER LINE SHALL BE LAID BELOW DRAIN LINE AT CROSSING.

Per RIDEM:
Driveway shall be 3 1/2' to 1/2" Diameter washed angular crushed stone without shells, per Condition 14.
Maintain as required in Condition 15.

LEGEND

---	56	EXISTING CONTOURS
---	56	PROPOSED CONTOURS
---	D	DRAIN LINE
---	W	WATER LINE
---	SF	SILT FENCE
---	TP	TEST PIT
---	56x5	EXISTING SPOT GRADE
---	56x5	PROPOSED SPOT GRADE
---	---	BOUND



REVISED: 05/28/15

SITE PLAN FOR WETLANDS APPLICATION

PREPARED FOR: JAMES HOLMES
281 WOLCOTT AVENUE
MIDDLETOWN, RI 02842

OWNED BY: JAMES HOLMES
LOCATION: MAP 123, LOT 6 & 701
MITCHELL'S LANE, MIDDLETOWN

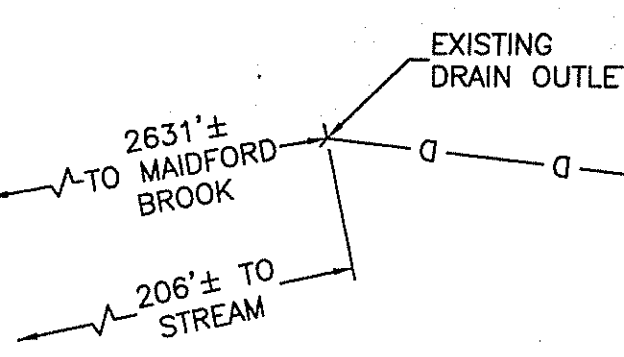
SCALE: 1" = 20'
DATE: 04/10/15
DRAWN: AB
DESIGN: TC
CHECKED: TC

PROJECT NO. 29-197
SHEET NO. 1 OF 2

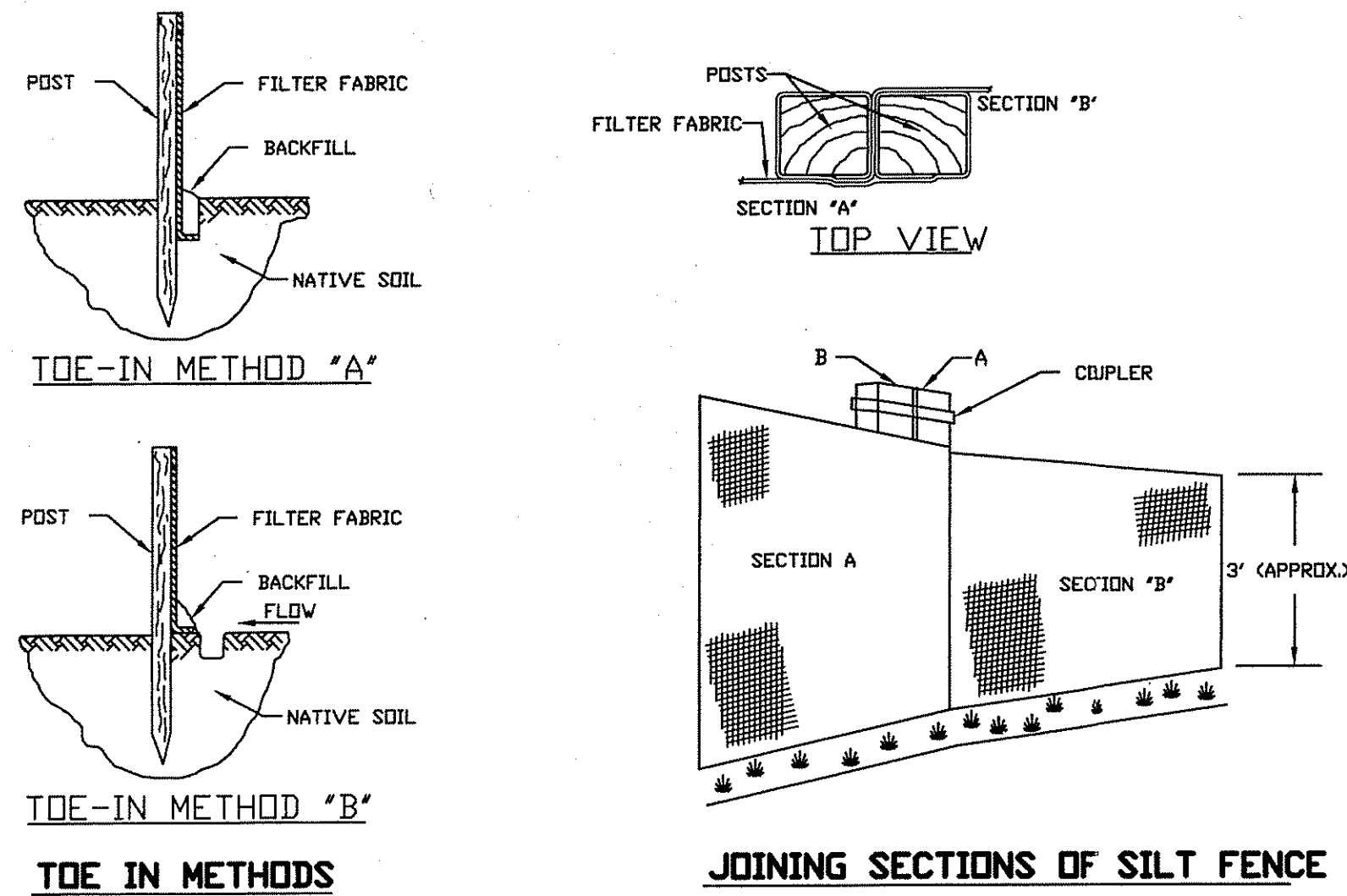
TODD CHARLIN
REGISTERED PROFESSIONAL ENGINEER

MOUNT HOPE ENGINEERING
CIVIL/ENVIRONMENTAL SERVICES
Post Office Box 943
Portsmouth, Rhode Island 02871
(401) 683-1934/(508) 379-1234

MAP 123, LOT 6
REAR PROPERTY LINE

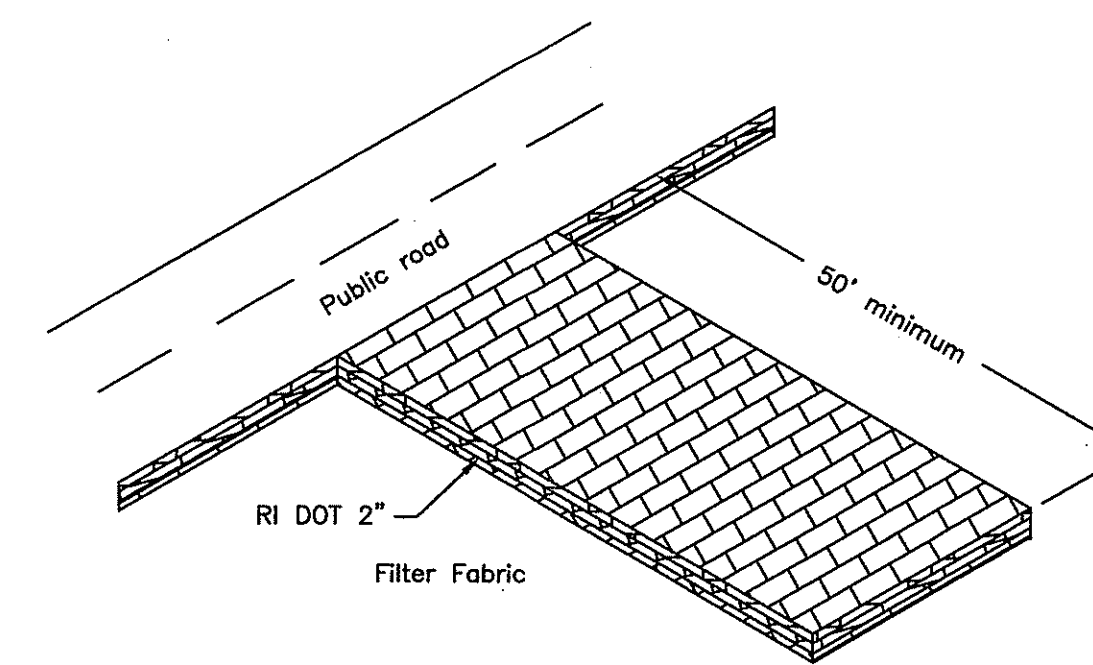
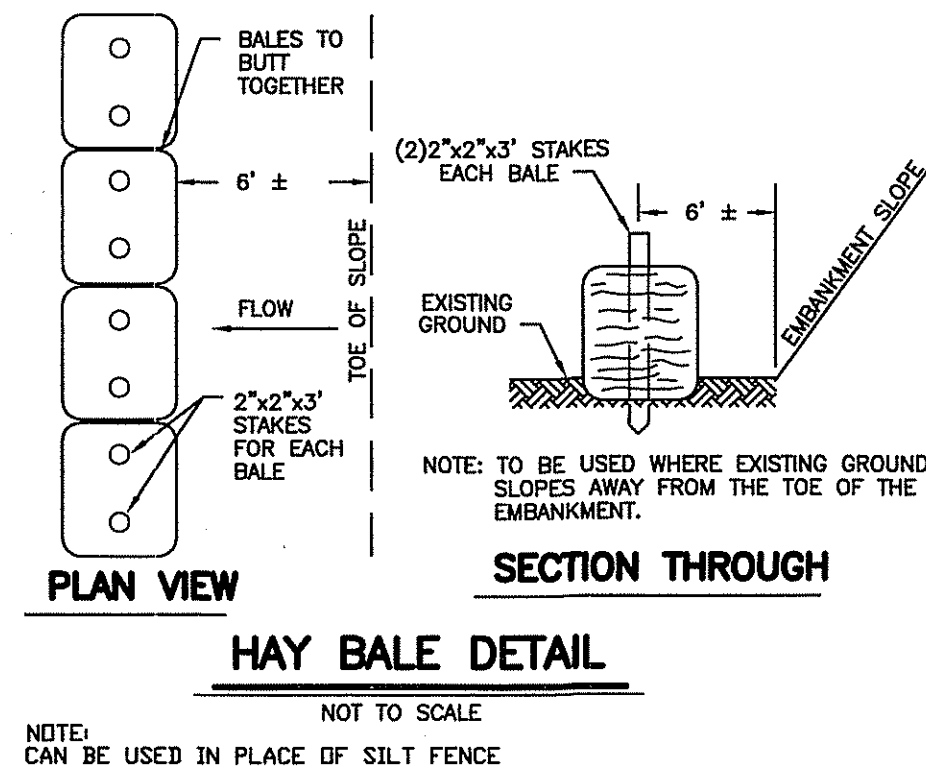


BENCHMARK
NAIL IN POLE
ELEV. = 193.00

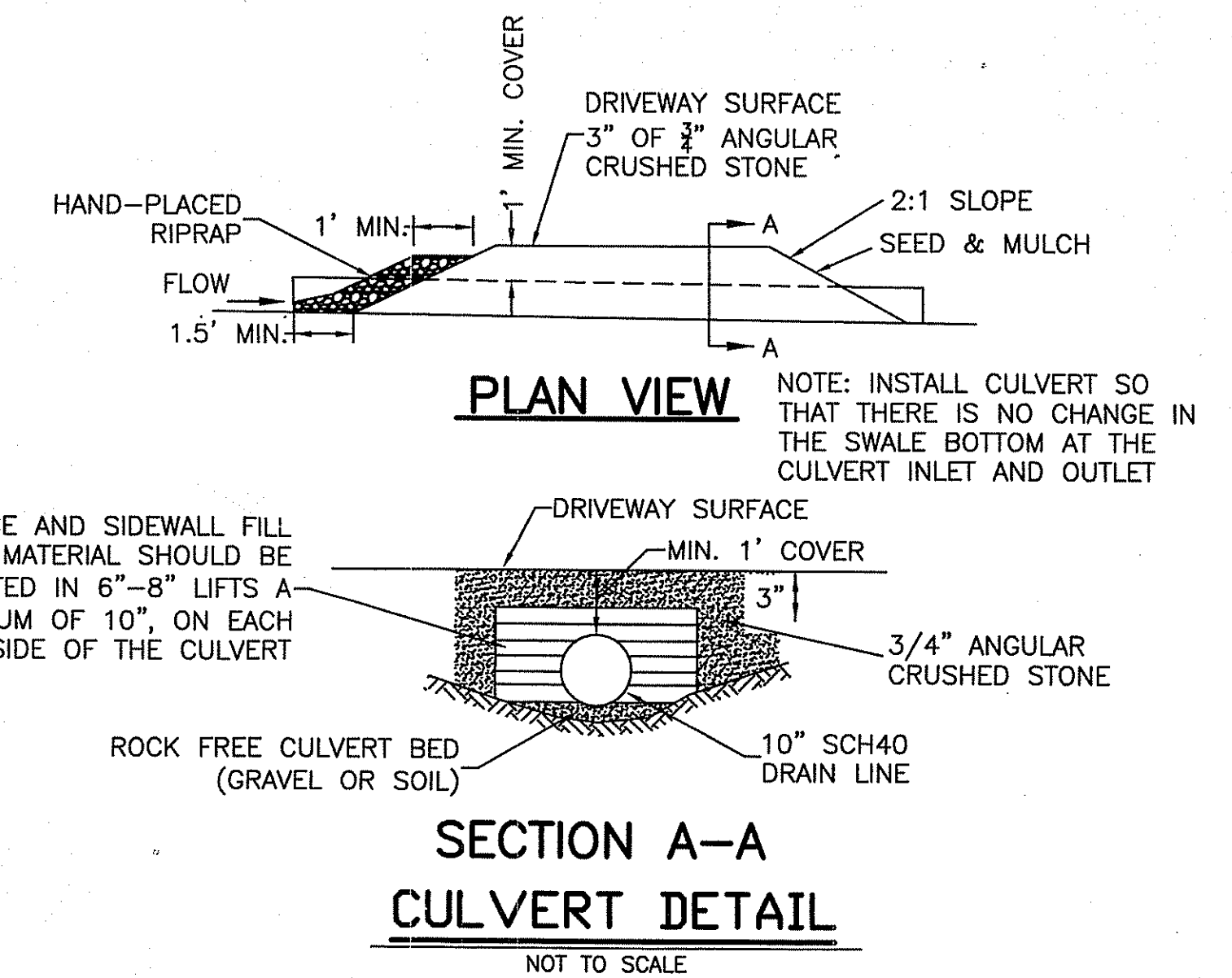


SILT FENCE DETAIL

NOT TO SCALE



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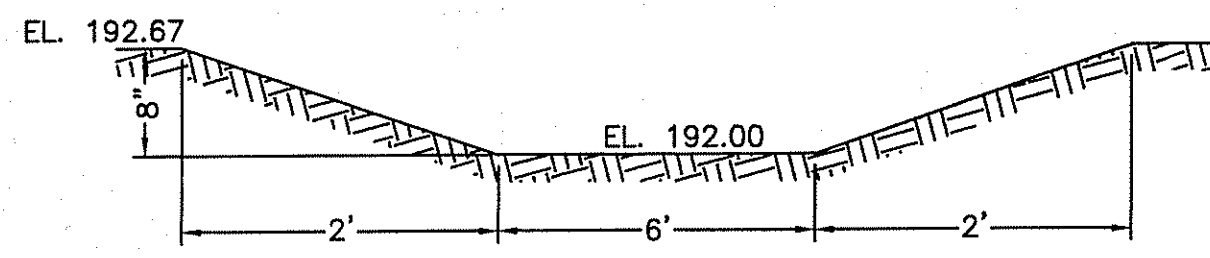


SEQUENCE OF OPERATION

- QUANTITIES AS PER NARRATIVE DESCRIPTION
- 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 SEED 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 SEEDED. 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 - 5429 SF (DWELLING=1770 SF, DRIVEWAY=3659 SF)
- STEP 2: LOCATION OF CONTROLS - SILTY SOILS, 24" 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 288 SF REQUIRED & PROVIDED
- STEP 5: SITE PLAN - INCLUDED



GENERAL MAINTENANCE REQUIREMENTS FOR VEGETATED SWALE:

- 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.
- BARE SPOTS AND ERODED AREAS WITHIN THE SWALE MUST BE RESEEDED IMMEDIATELY FOLLOWING OBSERVATIONS TO PREVENT SUBSEQUENT FAILURE OF THE SYSTEM.
- SWALE SHOULD BE INSPECTED ON A SEMI-ANNUAL BASIS. ALL TRASH AND OTHER LITTER MUST BE REMOVED DURING INSPECTIONS.
- 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.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
PROVIDED AND MUST BE AT CONSTRUCTION SITE

Environmental Management
JUN 10 2015
Office of Water Resources

REVISED: 05/28/15

DETAILS	
PREPARED FOR: JAMES HOLMES 281 WOLCOTT AVENUE MIDDLETOWN, RI 02842	SCALE: NONE DATE: 04/10/15
OWNED BY: JAMES HOLMES	DRAWN: AB
LOCATION: MAP 123, LOT 6A MITCHELL'S LANE, MIDDLETOWN	DESIGN: TC CHECKED: TC
TODD CHAPIN REGISTERED PROFESSIONAL ENGINEER	PROJECT NO. 29-197
Mount Hope ENGINEERING CIVIL/ENVIRONMENTAL SERVICES Post Office Box 943 Portsmouth, Rhode Island 02871 (401) 683-1934/(508) 379-1234	SHEET NO. 2 OF 2