

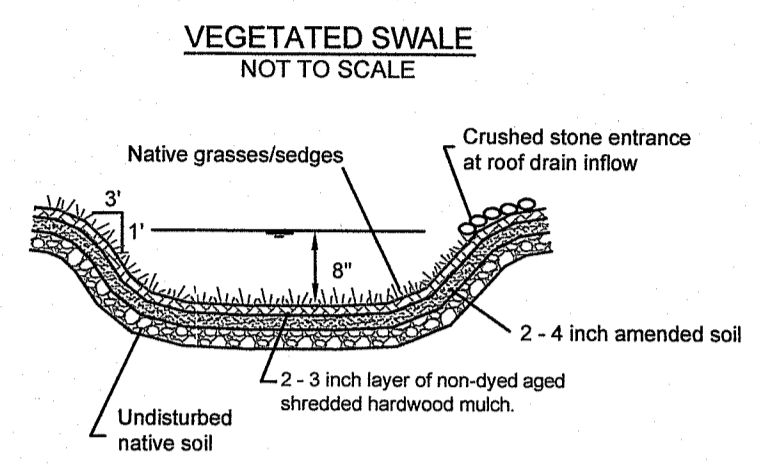
**LEGEND**

- EXISTING CONTOUR
- - - PROPOSED CONTOUR
- ▲ TEST HOLE
- ▲- FLAGGED WETLAND EDGE

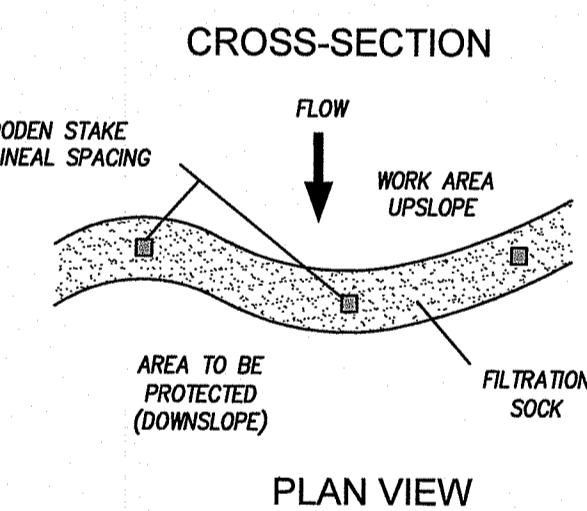
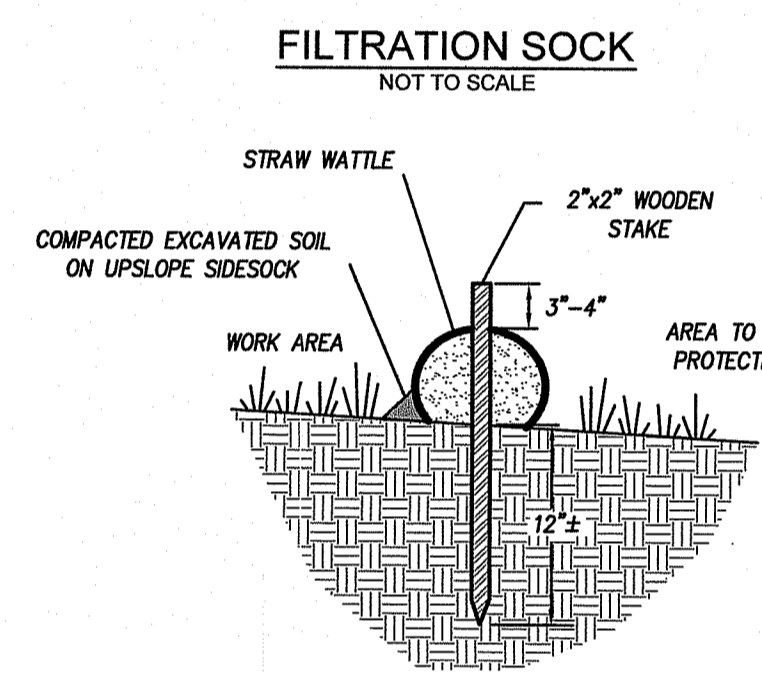
1,950 SF SWAMP DISTURBANCE  
2,200 SF 50' PERIMETER WETLAND DISTURBANCE

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

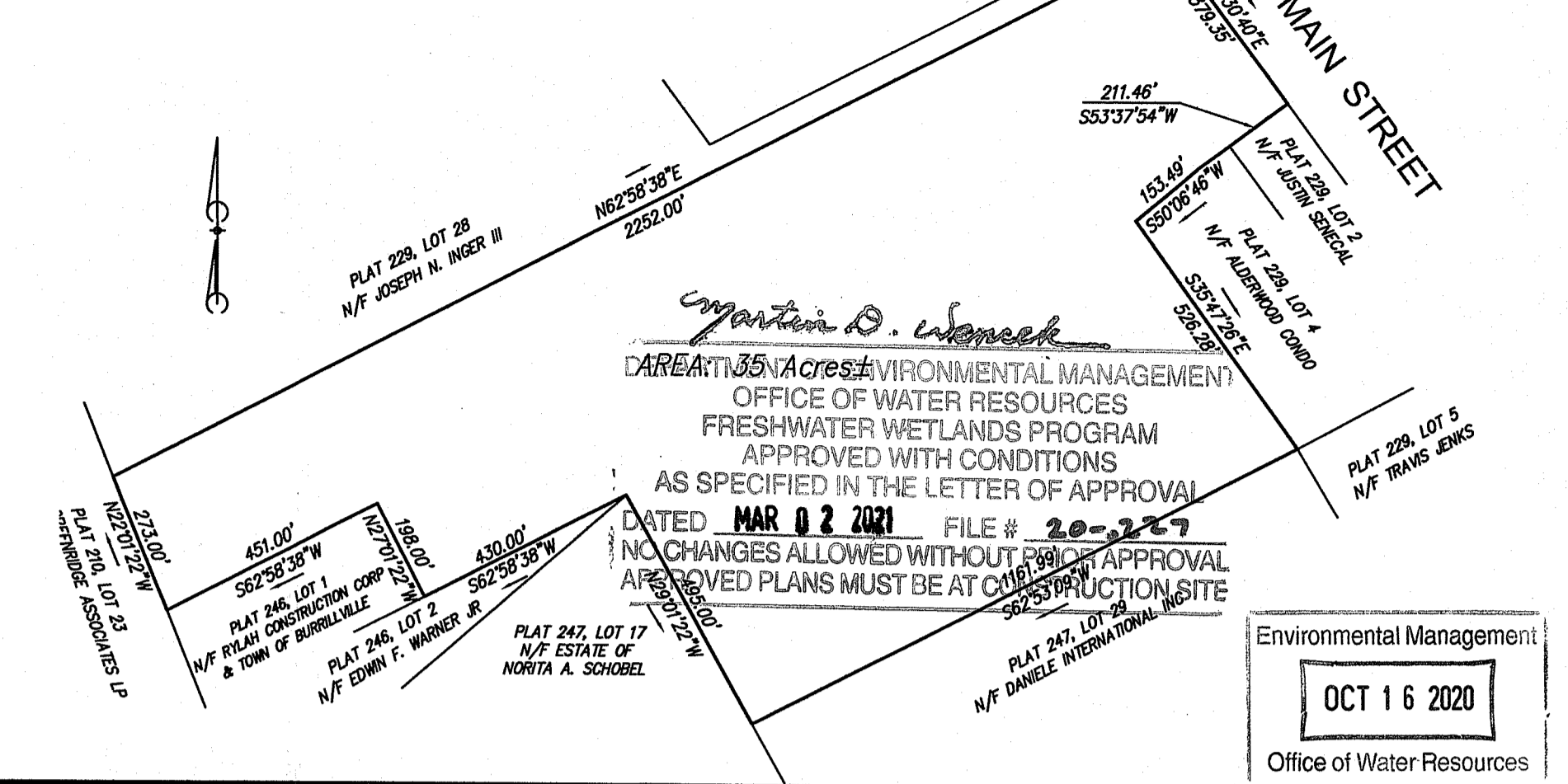
- VEGETATIVE SWALE MAINTENANCE**
- The vegetated swale shall be inspected annually and after large storm events.
  - Eroded side slopes and channel bottom shall be stabilized as necessary.
  - If the surface of the dry swale becomes clogged to the point that standing water is observed on the surface 48 hours after precipitation events, the bottom shall be roto-tilled or cultivated to break up any hard-packed sediment, and then reseeded.
  - Vegetation in dry swales shall be mowed as required to maintain minimum grass heights in the 4-6 inch range.
  - Every five years, the channel bottom of dry swales should be scraped to remove sediment and to restore original cross section and infiltration rate, and should be seeded to restore ground cover, where necessary.



NOTE: VEGETATED SWALE SHALL BE INSPECTED ANNUALLY AND SHOULD BE INSPECTED AFTER LARGE STORM EVENTS.



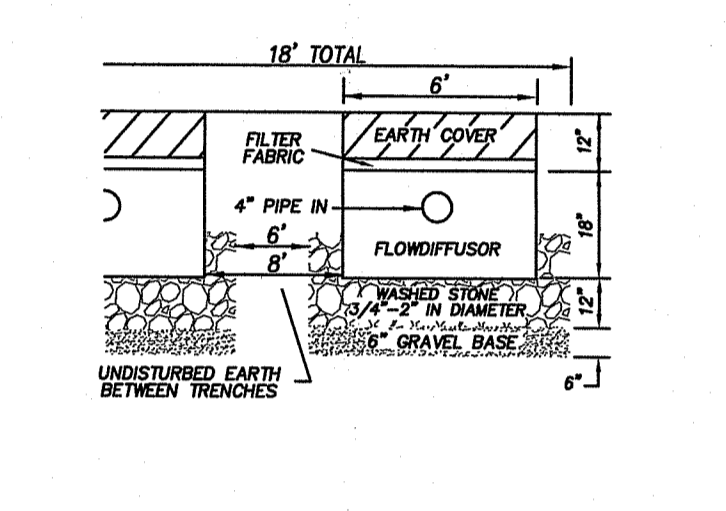
**LOCUS MAP**



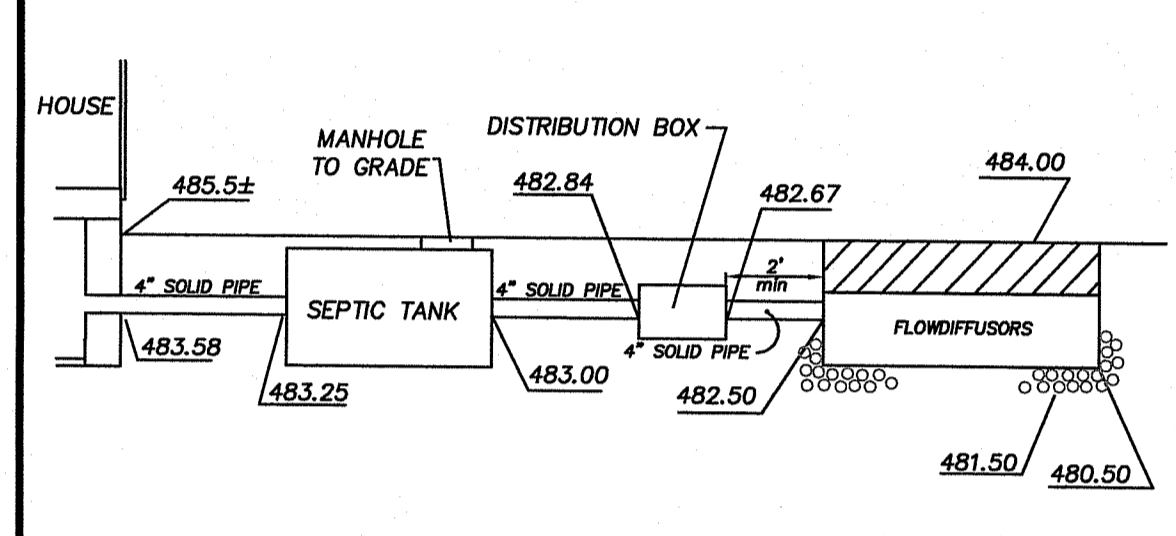
*Martin D. Wensch*  
DAREKAT 35 Acres ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED **MAR 02 2021** FILE # **20-227**  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management  
**OCT 16 2020**  
Office of Water Resources

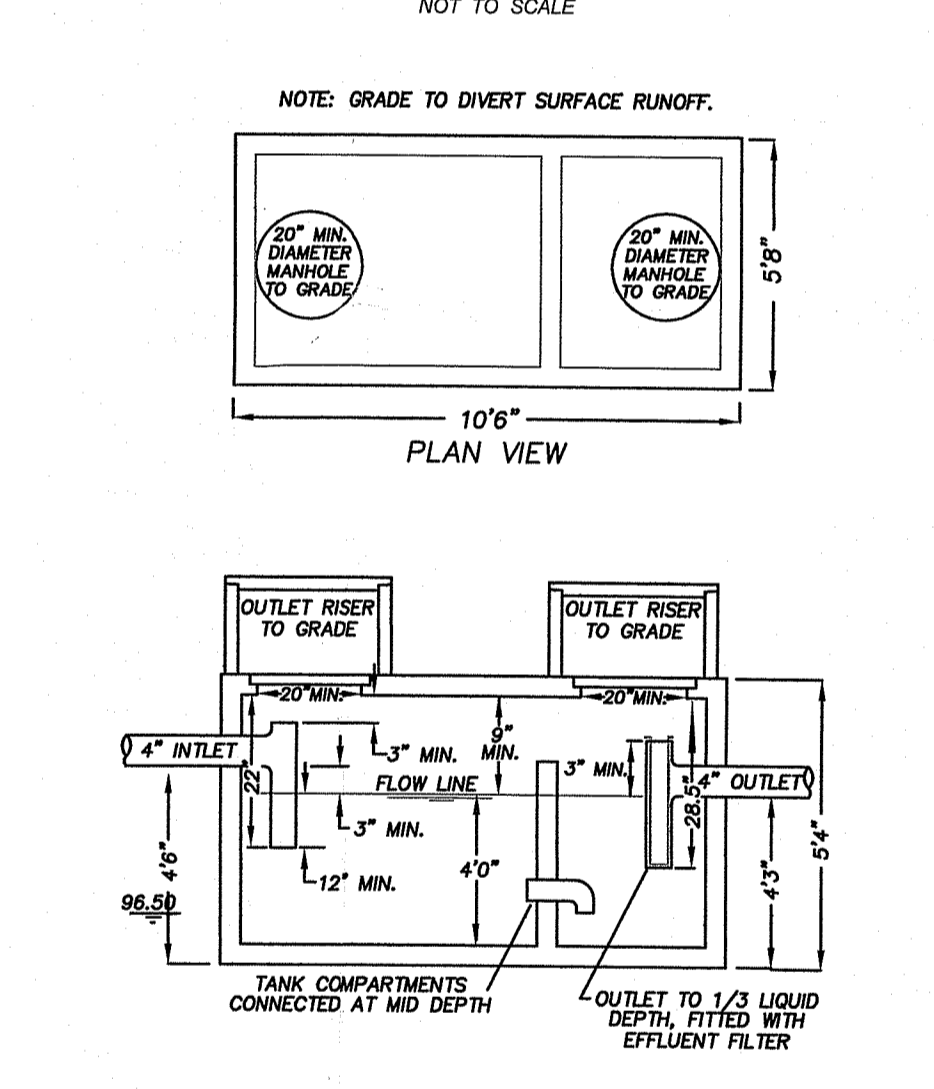
**LEACHING SYSTEM CROSS-SECTION**  
NOT TO SCALE



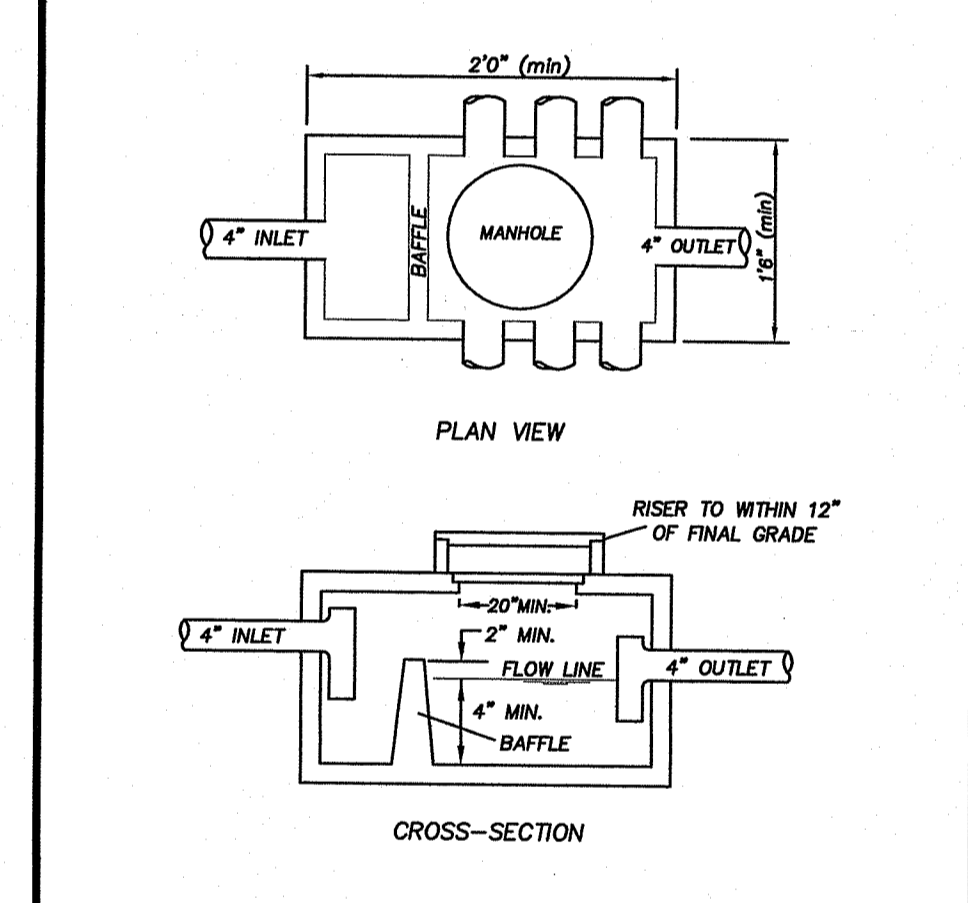
**SYSTEM PROFILE**  
NOT TO SCALE



**1,500 GALLON TWO COMPARTMENT SEPTIC TANK**  
NOT TO SCALE



**DISTRIBUTION BOX (D-BOX)**  
NOT TO SCALE

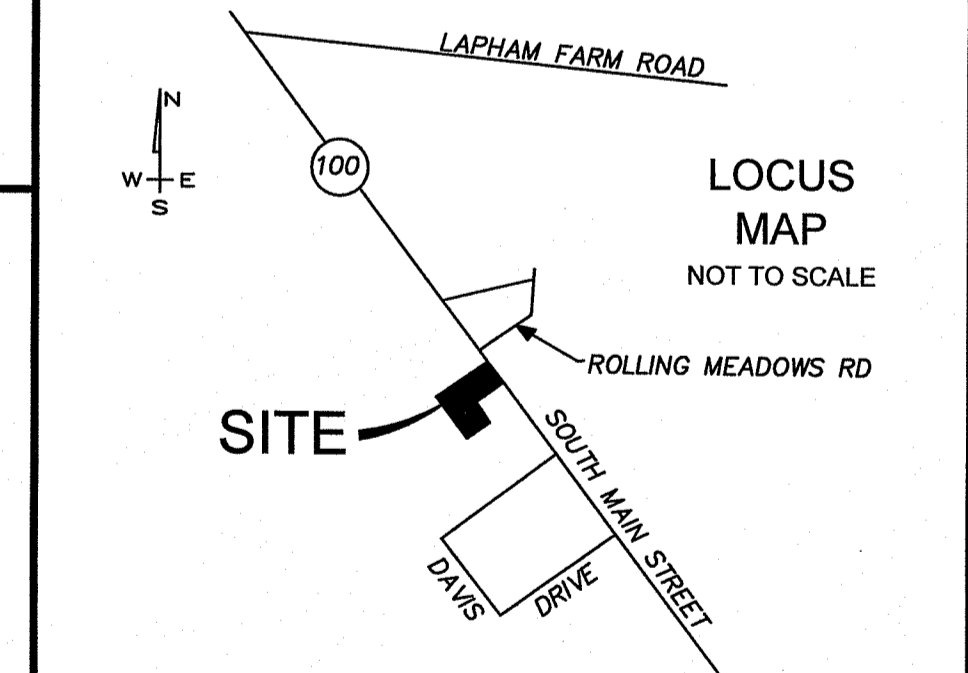


**CERTIFICATION**  
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

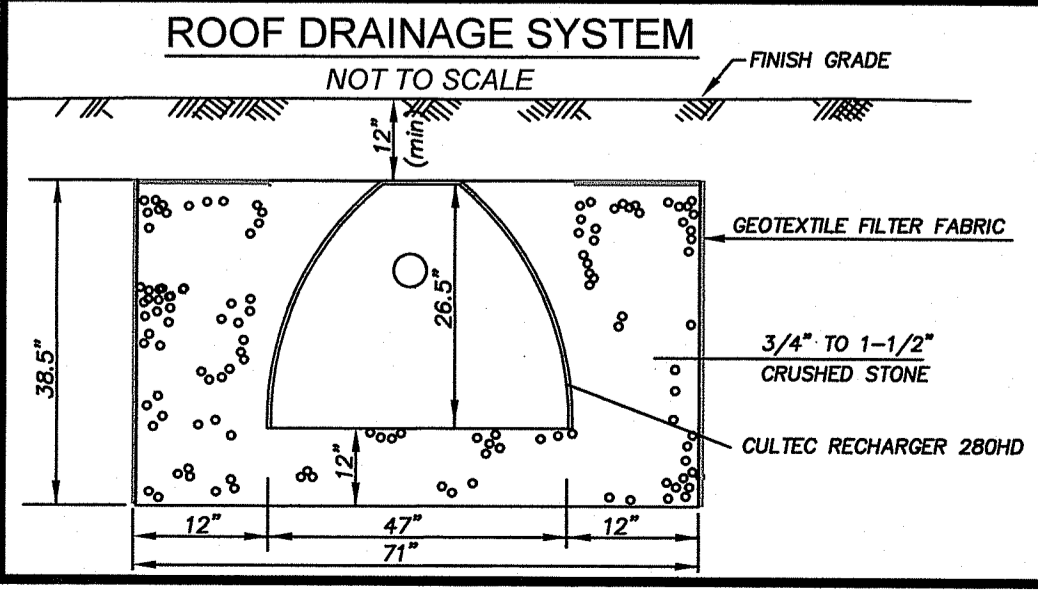
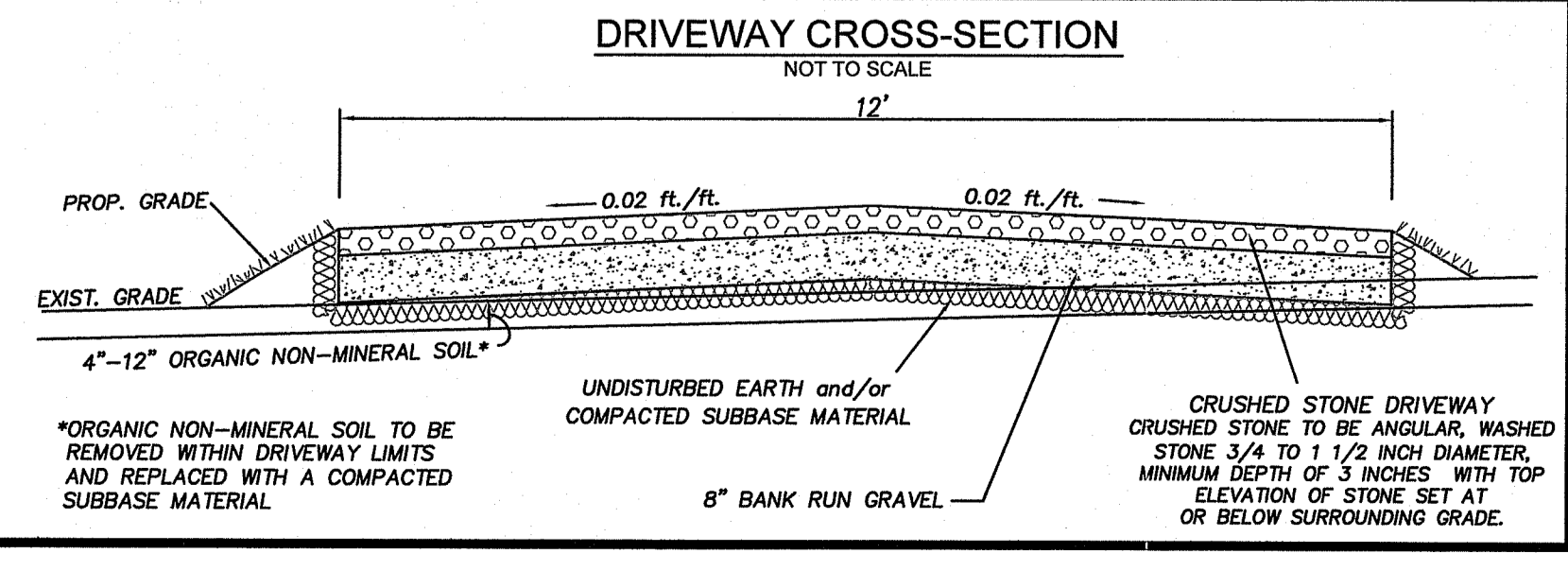
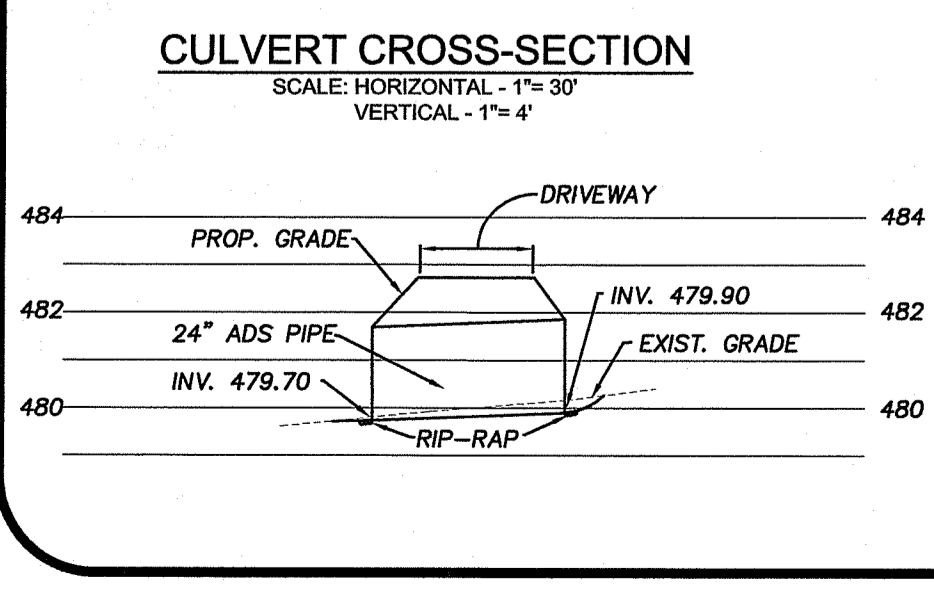
LIMITED CONTENT BOUNDARY SURVEY: CLASS IV  
TOPOGRAPHIC 1-4

**STATEMENT OF PURPOSE**  
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND THE PREPARATION OF THE PLAN IS AS FOLLOWS: PROPOSED HOUSE

By *Marc N. Nyberg*  
MARC N. NYBERG License No. 1797 COA No. A52



- GENERAL NOTES**
- LEACHING TRENCHES TO BE EXCAVATED IN ACCORDANCE WITH RIEM REGULATION 6.33(J). TREES, BRUSH AND STUMPS WITHIN AND EXTENDING 10 FEET BEYOND LEACHFIELD TO BE REMOVED. ONLY TRENCHES TO BE STRIPPED.
  - USE SDR #35 PVC PIPING OR EQUIVALENT THROUGHOUT SYSTEM.
  - NO WELL EXISTS WITHIN 100' OF THE PROPOSED LEACHING SYSTEM.
  - ZABEL EFFLUENT FILTER TO BE INSTALLED AT SEPTIC TANK OUTLET.
  - NO WELLS, EXISTING OR PROPOSED, ARE WITHIN 200' FEET OF OWTS. NO PUBLIC WELLS, EXISTING OR PROPOSED, ARE WITHIN 500' OF THE OWTS UNLESS SHOWN.
  - BRING SEPTIC TANK MANHOLE TO GRADE AND D-BOX MANHOLE TO WITHIN 12" OF GRADE.
  - SEPTIC TANK TO BE A MINIMUM OF 75' FROM ALL WELLS.
  - ENDS OF LINES IN TRENCH TO BE INTERCONNECTED.
  - D-BOX TO HAVE A MINIMUM BOTTOM AREA OF 3 SQUARE FEET AND MEET H-20 WHEEL LOADS WITH MARKER SET TO GRADE.
  - SANITARY TEES TO BE INSTALLED IN SEPTIC TANK.
  - NO DRAINS OF ANY KIND SHALL BE WITHIN 25' UP OR SIDE GRADIENT OR 50' DOWN GRADIENT OF THE LEACHING SYSTEM.
  - 10' FROM LEACHING AREA NOT TO BE LOWER THAN ELEV.: 282.50.
  - COVER OVER SEPTIC TANK TO BE GRADED TO DIVERT SURFACE RUNOFF.
  - SYSTEM INSTALLATION TO BE SUPERVISED BY THE DESIGNER.
  - D-BOX TO HAVE TEES OR BAFFLE.



**TEST HOLE DATA**

TH1 DATE: 6-18-20	0'-6" A, SL, 10YR 3/4
6'-28" Bw, G, SL, 10YR 5/6	28'-66" C, CB, G, LS, 2.5YR 5/2
66'-108" C2, CB, G, SL, 5YR 5/2	SHWT 66"
NO LEDGE AT 108"	
TH2	0'-6" A, SL, 10YR 3/4
6'-32" Bw, G, SL, 10YR 5/6	32'-66" C, CB, G, LS, 2.5YR 5/2
66'-110" C2, CB, G, SL, 5YR 5/2	SHWT 66"
NO LEDGE AT 110"	

**DESIGN DATA**

SOIL CATEGORY: 6	DESIGN LOADING RATE: 0.61
TWO LINES	FIELD SIZE: FLOWDIFFUSORS
11 TOTAL	760 SQUARE FEET
ZONING DISTRICT: F2	MINIMUM SETBACKS: FRONT - 40'
	SIDE - 15'
	REAR - 40'

MARC N. NYBERG  
No. 1797  
PROFESSIONAL LAND SURVEYOR

PAUL D. CARLSON  
No. 7142  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL

**INSITE** Engineering Services, LLC  
PROFESSIONAL ENGINEERS | LAND SURVEYORS  
Precision. Clarity. Certainty.

501 Great Road, Unit 104  
North Smithfield, Rhode Island 02896  
Phone: (401) 762-2870 Fax: (401) 401-762-2871  
Web Address: InsiteEngineers.com

**PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM AND WETLANDS PLAN**  
for  
**STEVEN DETONNANCOURT**  
PLAT 229, LOT 1  
BURRILLFIELD, RHODE ISLAND  
SEPTEMBER, 2020  
SCALE 1"=40'

GRAPHIC SCALE  
0' 40' 80' 120'

No.	DESCRIPTION	DATE
1.	REDUCE LIMIT OF DISTURBANCE	10-14-20

SHEET NUMBER 1 of 1  
JOB NUMBER 20-045