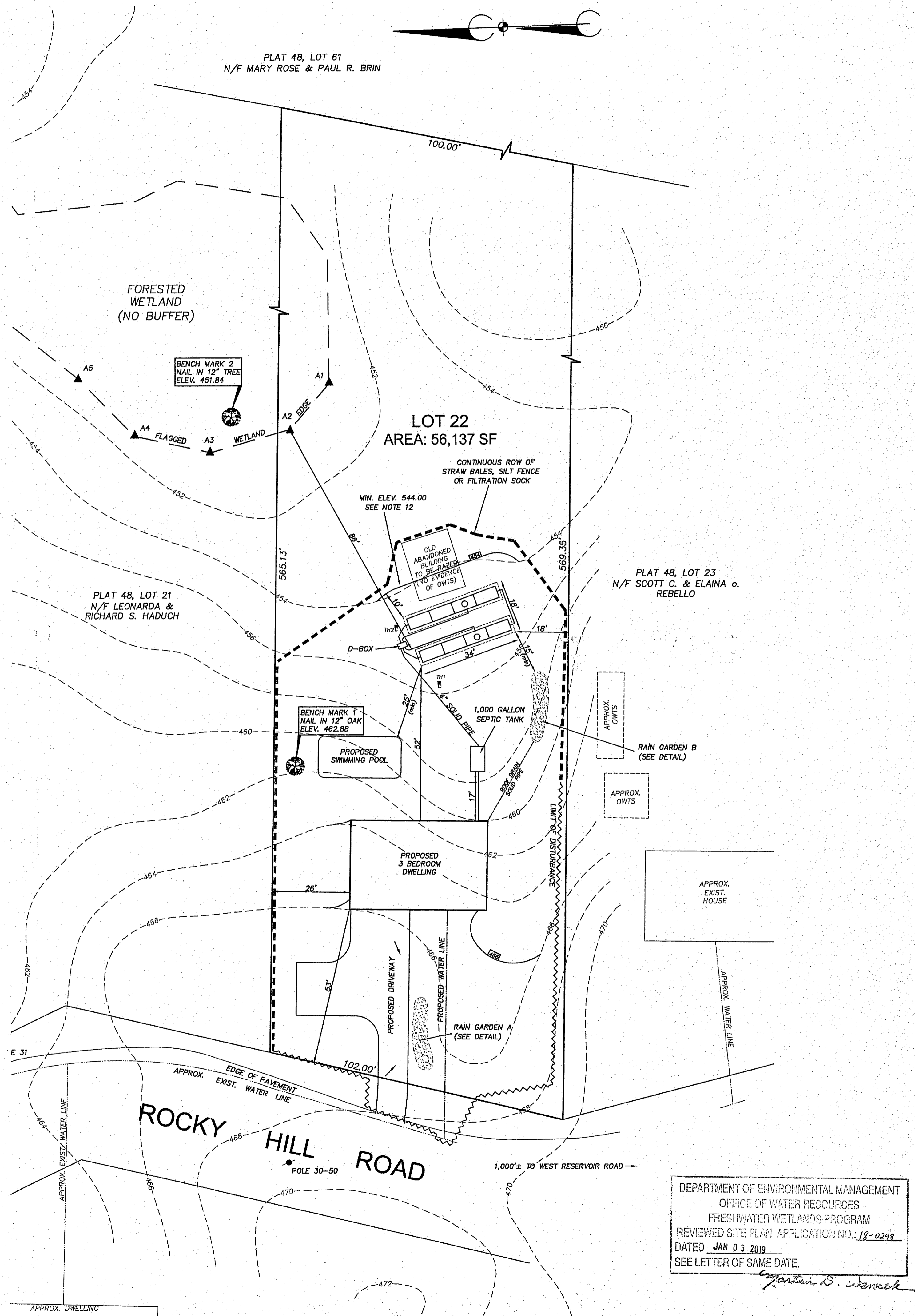
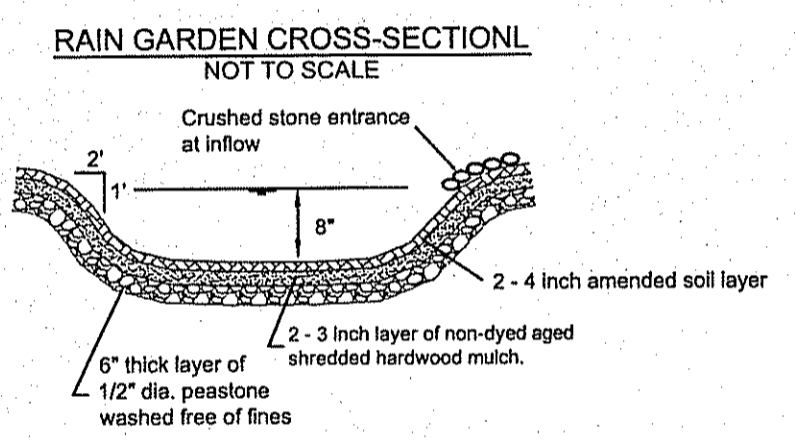
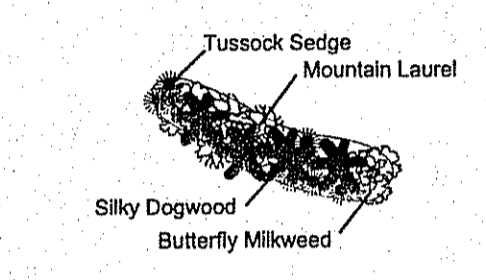


DEM COPY



RAIN GARDEN A PLANTING DETAIL
NOT TO SCALE
ROOF AREA: 1,420 SF
SOIL TEXTURE: SANDY LOAMS
AREA: 120 SF
30 PLANTS

RAIN GARDEN B PLANTING DETAIL
NOT TO SCALE
ROOF AREA: 1,350 SF
SOIL TEXTURE: SANDY LOAMS
AREA: 112 SF
28 PLANTS



RAIN GARDEN TREATMENT
Rain garden to be 8" deep with a 2-4 inch amended soil layer (50/50 mixture of the excavated native soils and mature organic compost) and a 2-3 inch layer of non-dyed aged shredded hardwood mulch.

CONSTRUCTION
1. A crushed stone entrance should be installed at the inflow to prevent channeling.
2. A berm to detain stormwater should be constructed along the downhill side of the rain garden, perpendicular to the slope of the lawn.
3. Be sure that the soil within the rain garden area does not become compacted by construction activities (i.e. heavy machinery). If soil becomes severely compacted it may need to be tilled and amended to maintain proper

MAINTENANCE
1. The rain garden shall 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.
2. Silt/erosion shall be removed from the rain garden when the accumulation exceeds one inch, or when water ponds on the surface of the rain garden for more than 48 hours. The top few inches of material shall be removed and shall be replaced with fresh soil mixture and mulch.
3. Pruning or replacement of woody vegetation shall occur when dead or dying vegetation is observed.
4. Soil erosion gullies shall be repaired when they occur.
5. Fertilizer or pesticides shall not be applied to plants within rain gardens.
6. Perennial plants and ground covers shall be replaced as necessary to maintain an adequate vegetated ground cover. Annual plants may also be used to maintain ground cover.

ZONING DISTRICT: R80
SETBACKS: FRONT - 40'
SIDE - 25'
REAR - 75'

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO.: 18-0218
DATED JAN 03 2018
SEE LETTER OF SAME DATE.

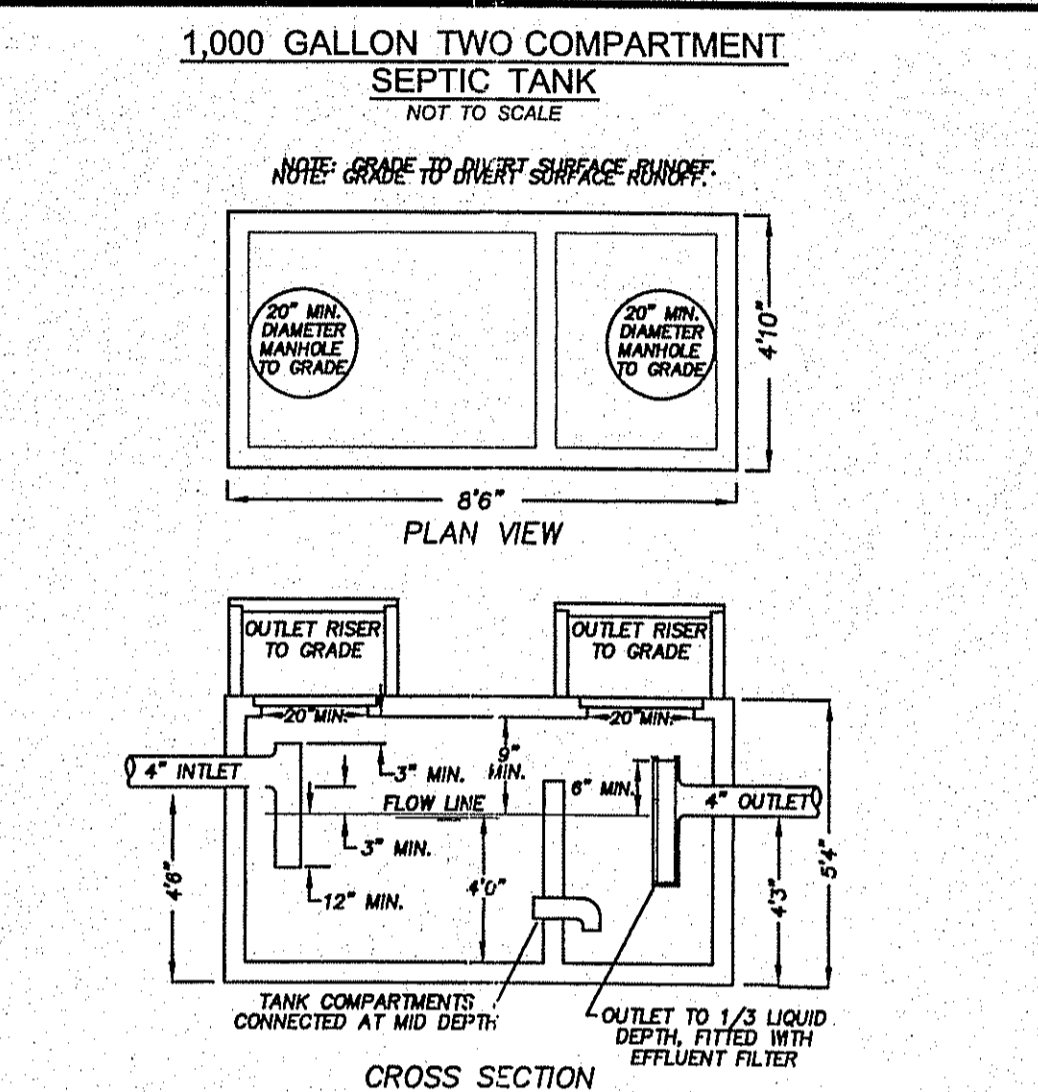
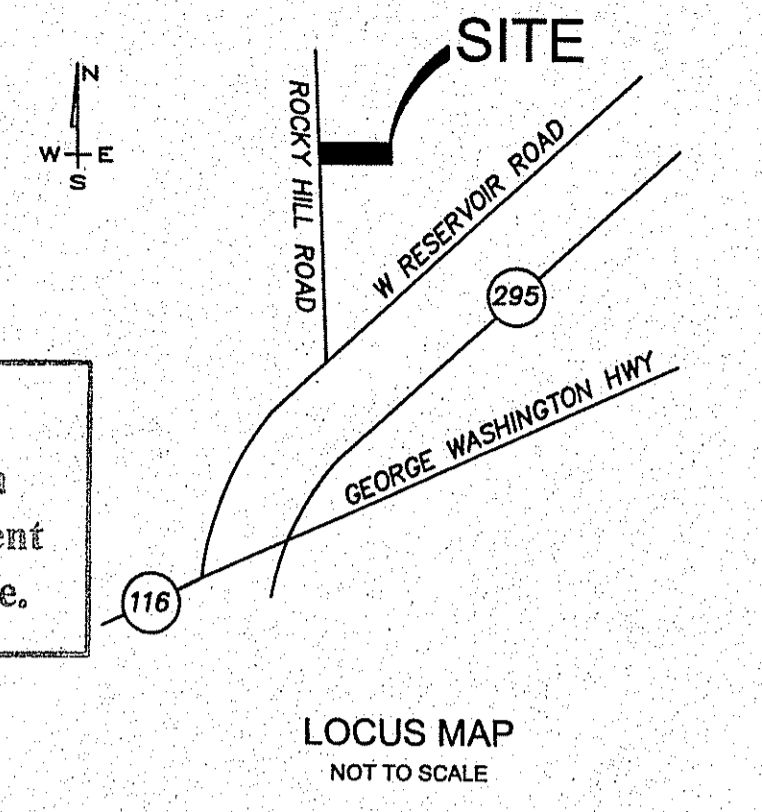
TEST HOLE DATA
DATE: 7/27/17

TH1
0'-6" A, SIL, 10YR 3/2
6'-36" Bw, G, SL, 7.5YR 4/6
36"-62" C, CB, G, SL, 10YR 5/3
60"-96" C2, CB, G, SL, 5YR 5/3
ESHW 96"
NO LEDGE AT 96"

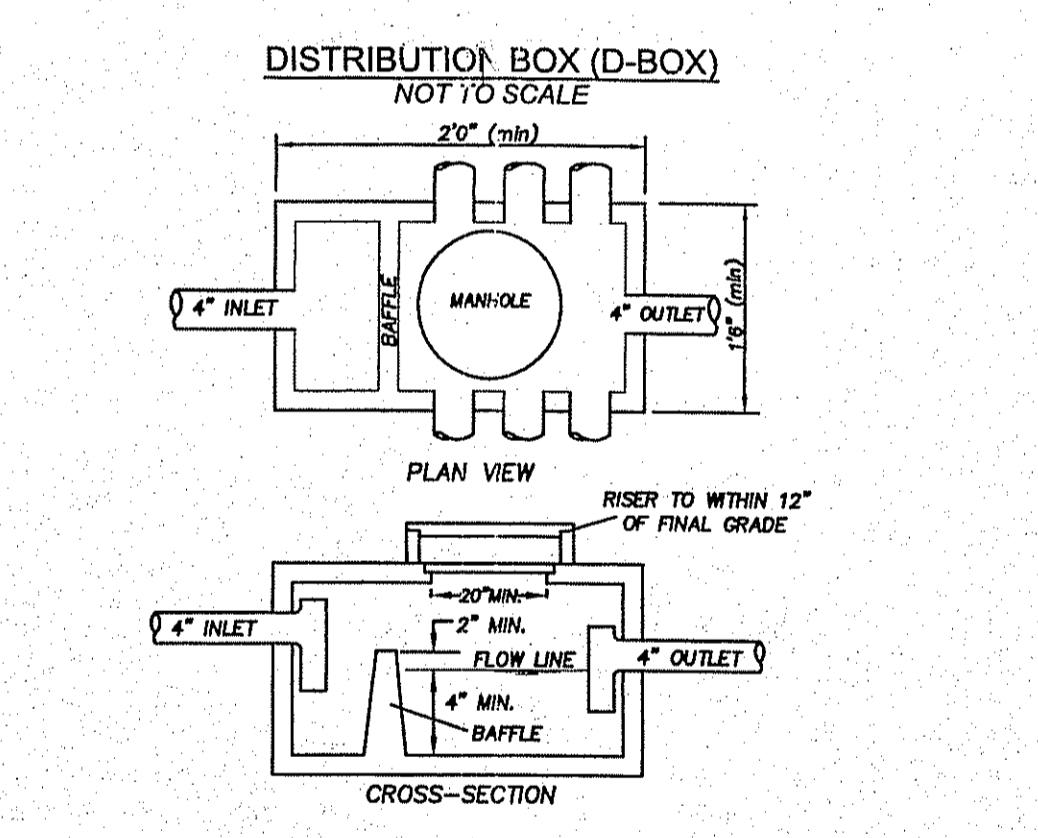
TH2
0'-6" A, SIL, 10YR 3/2
6'-36" Bw, G, SL, 7.5YR 4/6
36"-62" C, CB, G, SL, 10YR 5/3
62"-96" C2, CB, G, SL, 5YR 5/3
ESHW 96"
NO LEDGE AT 96"

DESIGN DATA
SOIL CATEGORY: 6
DESIGN LOADING RATE: 0.61
FIELD SIZE: FLOWDIFFUSORS
TWO LINES
8 TOTAL
568 SQUARE FEET

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



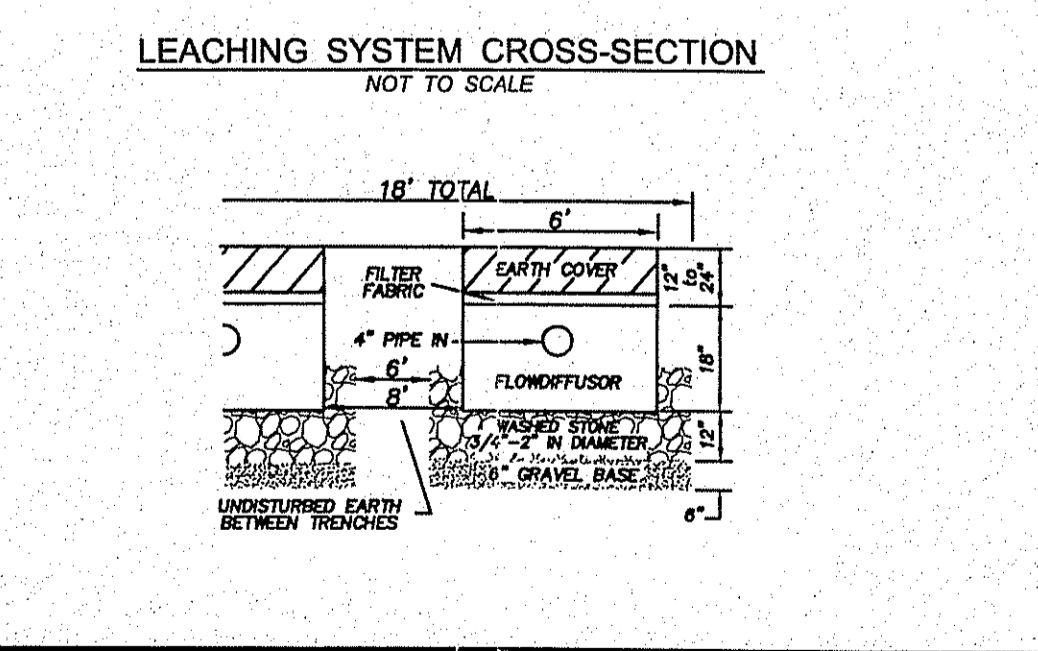
- GENERAL NOTES**
- 1) LEACHING TRENCHES TO BE EXCAVATED IN ACCORDANCE WITH RIDEM REGULATION 32.9. TREES, BRUSH AND STUMPS WITHIN AND EXTENDING 10 FEET BEYOND LEACHFIELD TO BE REMOVED. SOIL BETWEEN TRENCHES TO REMAIN UNDISTURBED.
 - 2) USE SDR #35 PVC PIPING OR EQUIVALENT THROUGHOUT SYSTEM.
 - 3) NO WELL EXISTS WITHIN 100' OF THE PROPOSED LEACHING SYSTEM.
 - 4) COVER OVER SEPTIC TANK TO BE GRADED TO DIVERT SURFACE RUNOFF.
 - 5) NO WELLS, EXISTING OR PROPOSED, ARE WITHIN 200' FEET OF ISDS. NO PUBLIC WELLS, EXISTING OR PROPOSED, ARE WITHIN 500' OF THE OWTs UNLESS SHOWN.
 - 6) BRING SEPTIC TANK MANHOLE TO GRADE AND D-BOX AND FLOWDIFFUSSOR(S) MANHOLE TO WITHIN 12" OF GRADE.
 - 7) SEPTIC TANK TO BE A MINIMUM OF 75' FROM ALL WELLS.
 - 8) ENDS OF LINES IN TRENCH TO BE INTERCONNECTED.
 - 9) D-BOX TO HAVE A MINIMUM BOTTOM AREA OF 3 SQUARE FEET AND MEET H-20 WHEEL LOADS WITH MARKER SET TO GRADE.
 - 10) SANITARY TEE TO BE INSTALLED IN SEPTIC TANK.
 - 11) NO DRAINS OF ANY KIND SHALL BE WITHIN 25' UP OR SIDE GRADIENT OR WITHIN 50' DOWN GRADIENT OF THE PROPOSED LEACHING SYSTEM.
 - 12) 10' FROM LEACHING AREA NOT TO BE LOWER THAN ELEV.: 544.00.
 - 13) D-BOX TO HAVE TEES OR BAFFLE.
 - 14) SYSTEM INSTALLATION TO BE SUPERVISED BY THE DESIGNER.
 - 15) THE LOCATION OF ALL STRUCTURES, EXISTING OWTs, AND WATER LINES WITHIN 100' OF PROPERTY LINES ARE SHOWN OR DENOTED. KNOWN GESSPOOLS ARE LABELED AS SUCH.
 - 16) SITE IS WITHIN WOODSOCKET DRINKING WATER SUPPLY WATERSHED.



ONSITE WASTEWATER TREATMENT SYSTEM and WETLANDS PLAN
FOR
RICHARD HADUCH
PLAT 48, LOT 22
ROCKY HILL ROAD, SMITHFIELD, RI
DATE: OCTOBER, 2018
SCALE: 1" = 20'

GRAPHIC SCALE
0' 20' 40' 60'

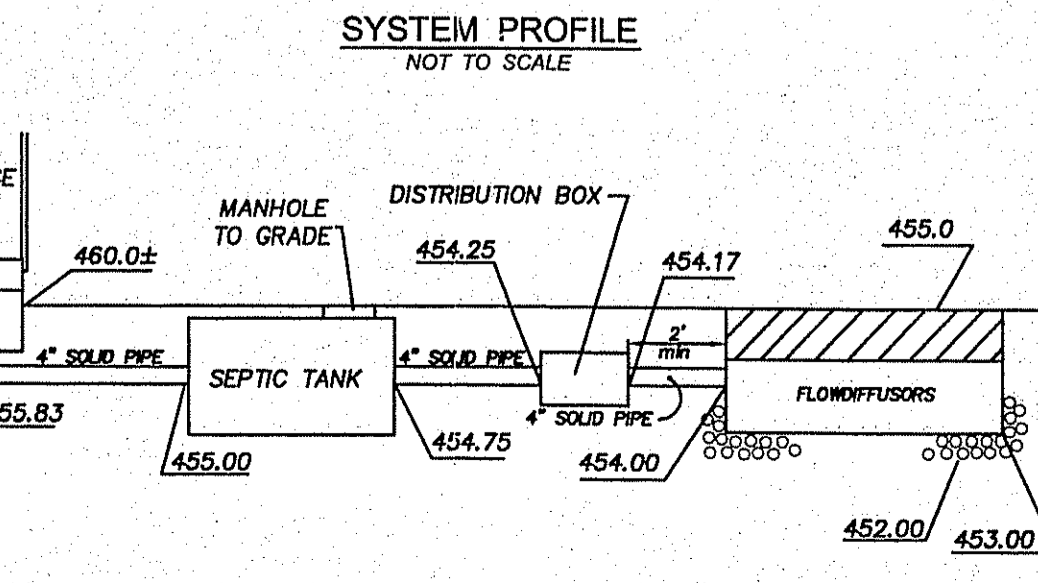
No.	DESCRIPTION	DATE
1	REMOVE PROP. INFO LOT 21	11-27-18
2	RIDEM WETLANDS COMMENTS	12-14-18



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 ACCURACY T-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



Marc N. Nyberg Associates, Inc.
Land Surveyors
Planners
501 Great Road Unit 104 North Smithfield, RI 02896
Tel: (401) 762-2870 Fax: (401) 762-2871 Email: mail@marcnyberg.com

PROFESSIONAL LAND SURVEYOR
No. 1797
DEC 17 2018

SHEET NUMBER 1 of 1
JOB NUMBER 18-155