PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM & WETLANDS PLAN for

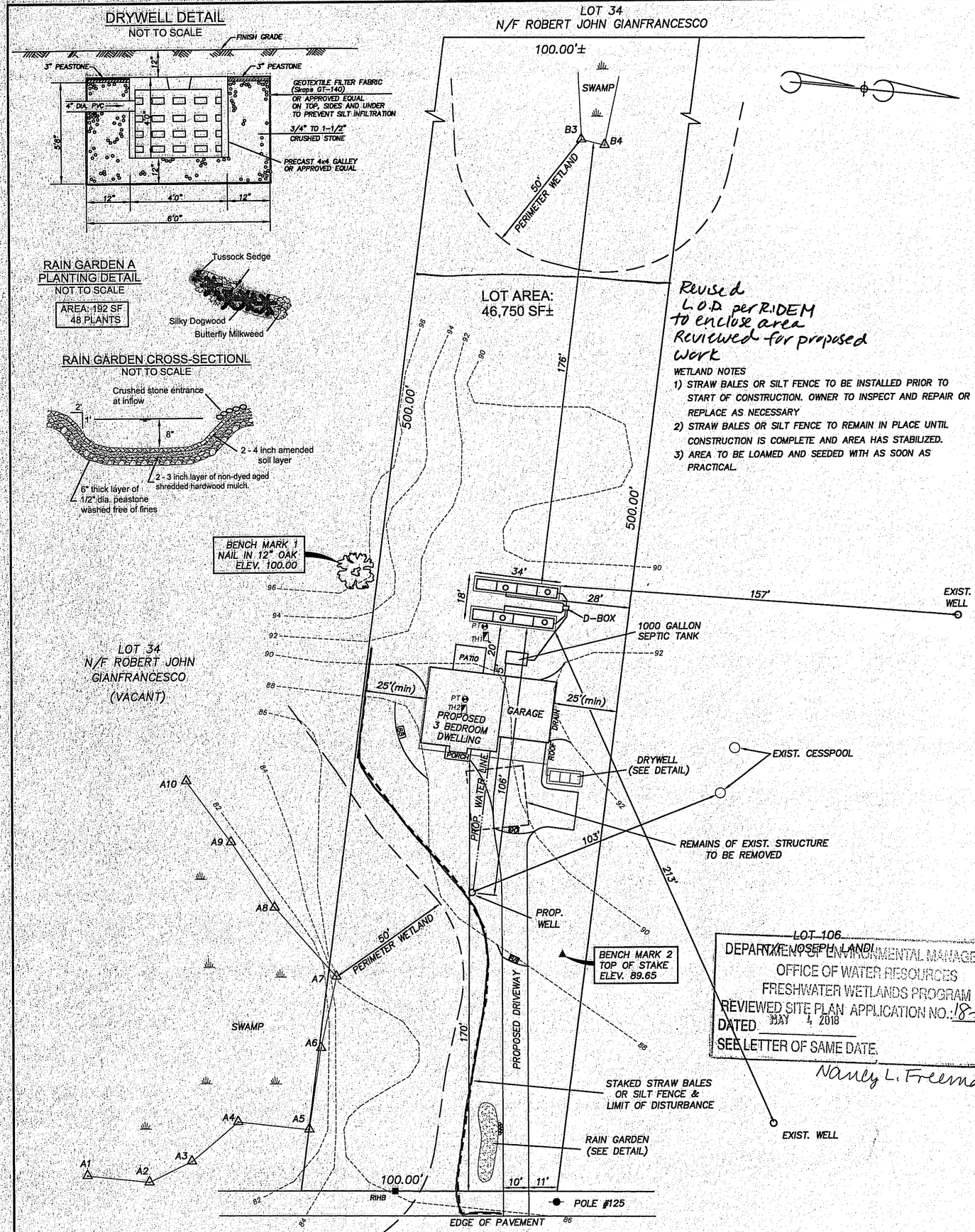
RUSSELL MOLLOY

PLAT 15, LOT 109

PROVIDENCE PIKE

NORTH SMITHFIELD, RHODE ISLAND

MARCH, 2018 SCALE 1"= 30'



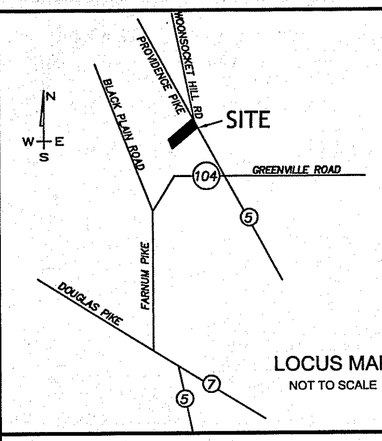
LOT 106
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
REVIEWED SITE PLAN APPLICATION NO. 18-0059
DATED MAY 4, 2018
SEE LETTER OF SAME DATE.
Nancy L. Freeman

DRYWELL DETAIL
NOT TO SCALE

RAIN GARDEN A PLANTING DETAIL
NOT TO SCALE

AREA: 192 SF
48 PLANTS

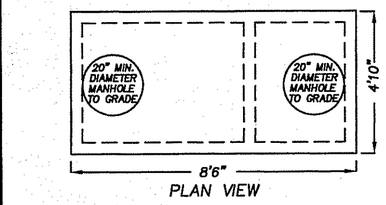
RAIN GARDEN CROSS-SECTIONL
NOT TO SCALE



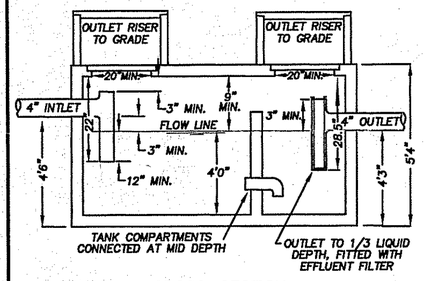
LOCUS MAP
NOT TO SCALE

1,000 GALLON TWO COMPARTMENT SEPTIC TANK
NOT TO SCALE

NOTE: GRADE TO DIVERT SURFACE RUNOFF.

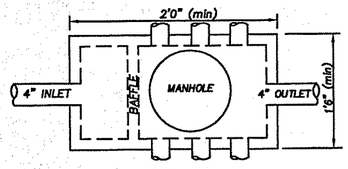


PLAN VIEW

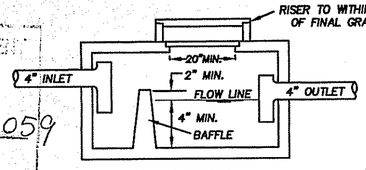


CROSS-SECTION

DISTRIBUTION BOX (D-BOX)
NOT TO SCALE

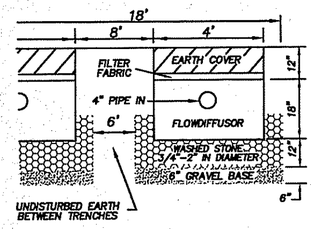


PLAN VIEW



CROSS-SECTION

LEACHING SYSTEM CROSS-SECTION
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 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

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MARC N. NYBERG
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PROFESSIONAL LAND SURVEYOR

GENERAL NOTES

1) LEACHING TRENCHES TO BE EXCAVATED IN ACCORDANCE WITH RIDEM REGULATION 32.9 FOR ONSITE WASTEWATER TREATMENT SYSTEMS. A 6 INCH GRAVEL BASE TO BE SET BELOW EACH TRENCH IN ACCORDANCE WITH REGULATION 32.12. TREES, BRUSH AND STUMPS WITHIN AND EXTENDING 10 FEET BEYOND LEACHFIELD TO BE REMOVED. THE LEACHFIELD AND 5 FEET BEYOND THE LEACHFIELD SHALL BE STRIPPED OF ALL TOPSOIL (A HORIZONS). IN ORDER TO AVOID COMPACTION OF THE B SOIL HORIZON, ONLY TRACKED VEHICLES SHALL BE ALLOWED WITHIN THIS AREA.
2) USE SDR #35 PVC PIPING OR EQUIVALENT THROUGHOUT SYSTEM.
3) NO WELL EXISTS WITHIN 100' OF THE PROPOSED LEACHING SYSTEM.
4) NO LEACHING SYSTEM EXISTS WITHIN 100' OF THE PROPOSED WELL.
5) NO WELLS, EXISTING OR PROPOSED, ARE WITHIN 200' FEET OF ISDS. NO PUBLIC WELLS, EXISTING OR PROPOSED, ARE WITHIN 500' OF THE ISDS UNLESS SHOWN.
6) BRING SEPTIC TANK MANHOLE TO GRADE AND D-BOX 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 TEES TO BE INSTALLED IN SEPTIC TANK.
11) NO DRAINS OF ANY KIND SHALL BE WITHIN 25' UPGRADIENT AND SIDE GRADIENT OR 50' DOWN GRADIENT OF THE PROPOSED LEACHING SYSTEM.
12) 10' FROM LEACHING AREA NOT TO BE LOWER THAN ELEV.: 89.00
13) COVER OVER SEPTIC TANK TO BE GRADED TO DIVERT SURFACE RUNOFF.
14) SYSTEM INSTALLATION TO BE SUPERVISED BY THE DESIGNER.
15) LEACHING SYSTEM IS NOT DESIGNED FOR USE WITH A GARBAGE GRINDER.
16) ZABEL EFFLUENT FILTER TO BE INSTALLED AT SEPTIC TANK OUTLET.

TEST HOLE DATA

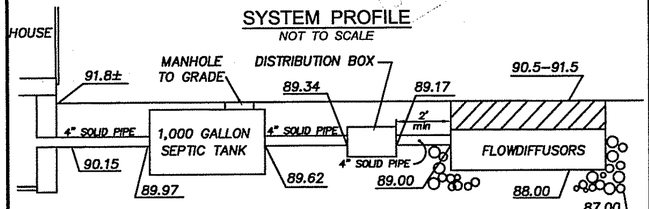
DATE: 5-30-01

TH1
0"-7" Ap, SIL, 10YR 3/3
7"-15" BW, G, CB, SL, 10YR 5/6
15"-25" BC, G, CB, CS, 2.5YR 5/6
25"-49" C, G, CB, ST, CS, 2.5YR 6/2
49"-120" C2, G, CB, CS, 2.5YR 5/8
ESHWT: 7'0"
NO LEDGE AT 120"

TH2
0"-20" FILL
20"-22" A, SIL, 10YR 3/3
22"-28" BW, G, LS, 10YR 4/6
28"-38" BC, G, CB, LS, 10YR 5/8
38"-120" C, G, CB, CS, 2.5YR 5/4
49"-120" C2, G, CB, CS, 2.5YR 5/8
ESHWT: 7'0"
NO LEDGE AT 120"

DESIGN DATA

SOIL CATEGORY: 1
DESIGN LOADING RATE: 0.70
FIELD SIZE: 8 FLOWDIFFUSORS TOTAL
2 LINES OF 4
568 SQUARE FEET

RECEIVED MAR 27 2018

SYSTEM PROFILE
NOT TO SCALE