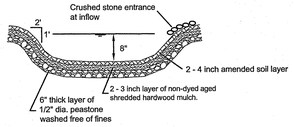
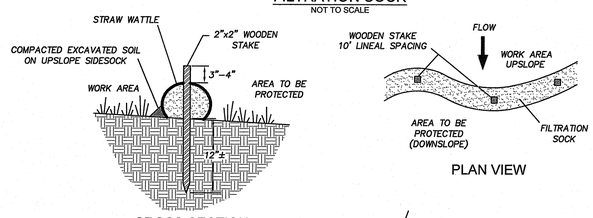
RAIN GARDEN PLANTING DETAIL
NOT TO SCALE
ROOF AREA: 1,352 SF
SOIL TYPE: SANY LOAM

AREA: 112 SF
28 PLANTS

RAIN GARDEN CROSS-SECTIONL
NOT TO SCALE



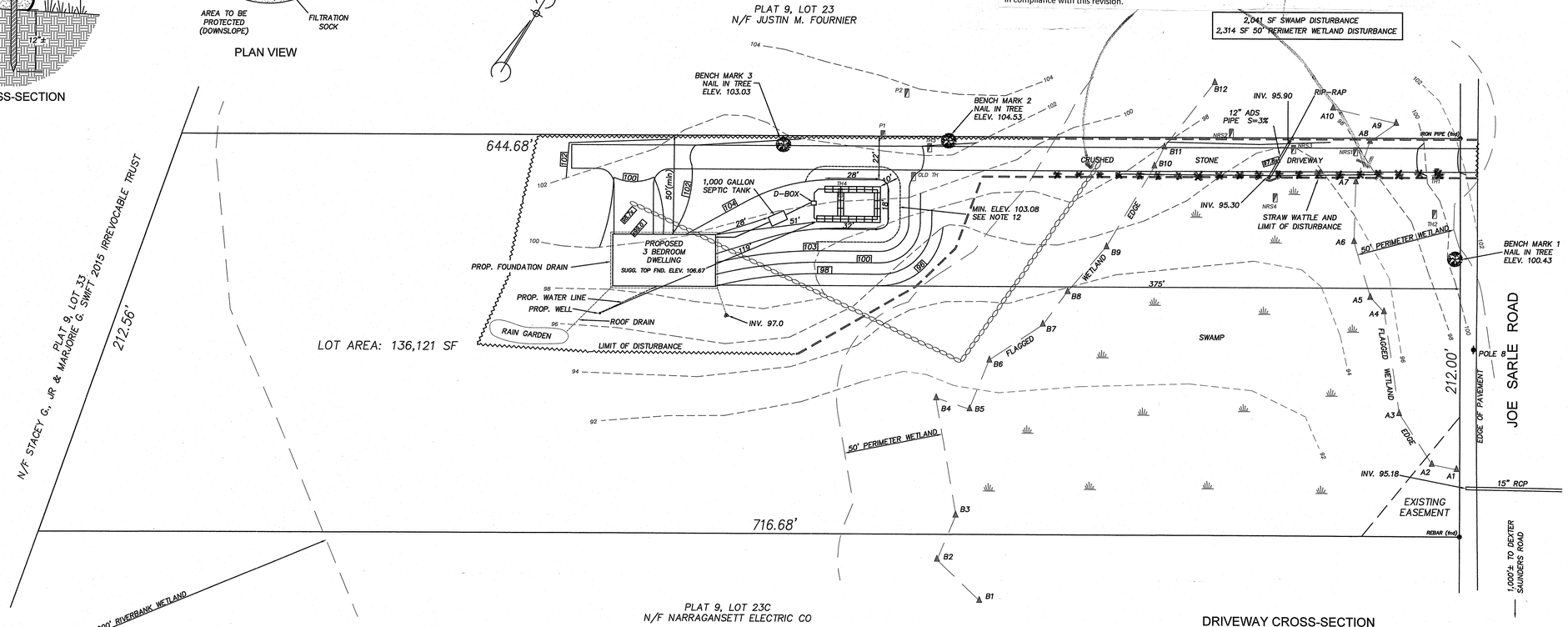
FILTRATION SOCK
NOT TO SCALE



Note per DEM:

A row of evergreen trees must be installed along the south side of the proposed driveway consisting of Northern White Cedar (*Thuja occidentalis*). Each tree shall be planted 10-feet on center and shall be no smaller than 4-feet tall after planting. A total of 20 trees shall be required. This project must take place in compliance with this revision.

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



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/sediment 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.

WETLAND SOIL SAMPLES
PERFORMED BY EDWARD J. AVIZINIS
NATURAL RESOURCE SERVICES INC. (NRS)
DATE: 1-15-20

NRS1
0"-12" Oa
12"-13" Cg, 2.5YR 6/1
13" RESTRICTED

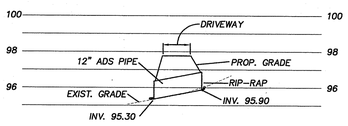
NRS2
0"-10" Oa
10"-12" A, 10YR 2/1
12"-14" Bw, 10YR 4/3
14" RESTRICTED

NRS3
0"-4" Oa
4" RESTRICTED

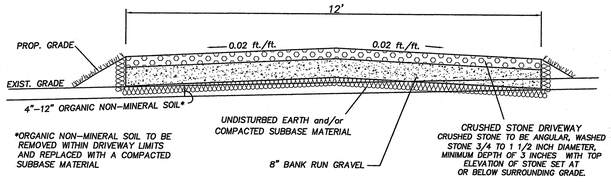
NRS4
0"-8" Oa
8" RESTRICTED

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED DEC 16 2020 FILE # 20-0018
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Jennifer D. Wenceck

CULVERT CROSS-SECTION
SCALE: HORIZONTAL - 1"= 30'
VERTICAL - 1"= 4'



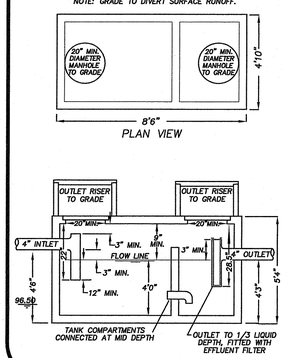
DRIVEWAY CROSS-SECTION
NOT TO SCALE



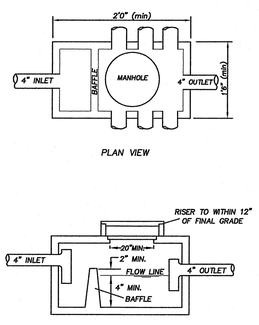
JUN 17 2020

1,000 GALLON TWO COMPARTMENT SEPTIC TANK
NOT TO SCALE

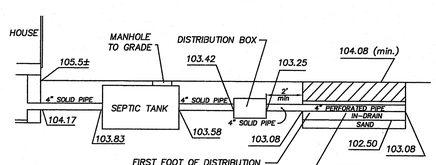
NOTE: GRADE TO DIVERT SURFACE RUNOFF.



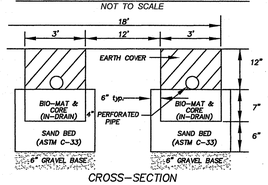
DISTRIBUTION BOX (D-BOX)
NOT TO SCALE



SYSTEM PROFILE
NOT TO SCALE



LEACHING SYSTEM CROSS-SECTION
NOT TO SCALE



GENERAL NOTES
1) LEACHING TRENCHES TO BE EXCAVATED IN ACCORDANCE WITH RIDEM REGULATION 6.33(J). TREES, BRUSH AND STUMPS WITHIN AND EXTENDING 10 FEET BEYOND LEACHFIELD TO BE REMOVED. 5' AROUND TRENCHES AND INCLUDING TRENCHES TO BE STRIPPED.
2) USE SDR #35 PVC PIPING OR EQUIVALENT THROUGHOUT SYSTEM.
3) NO WELL EXISTS WITHIN 100' OF THE PROPOSED LEACHING SYSTEM.
4) ZABEL EFFLUENT FILTER TO BE INSTALLED AT SEPTIC TANK OUTLET.
5) 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.
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' UP OR SIDE GRADIENT OR 50' DOWN GRADIENT OF THE LEACHING SYSTEM.
12) 10' FROM LEACHING AREA NOT TO BE LOWER THAN ELEV.: 103.08.
13) COVER OVER SEPTIC TANK TO BE GRADED TO DIVERT SURFACE RUNOFF.
14) SYSTEM INSTALLATION TO BE SUPERVISED BY THE DESIGNER.
15) WASHING MACHINE LINT FILTER IS STRONGLY RECOMMENDED TO PREVENT PREMATURE FAILURE OF ELJEN SYSTEM.
16) D-BOX TO HAVE TEES OR BAFFLE.
17) SITE IS LOCATED WITHIN THE SCITUATE DRINKING WATER SUPPLY WATERSHED.

TEST HOLE DATA

TH1 DATE: 2-13-19
0"-3" A, SL, 2.5YR 2.5/1
3"-24" Bw, SL, 10YR 5/6
24"-48" C, FSL, 10YR 6/2
48"-96" C2, G, CB, SL, 5YR 5/2
SHWT 24"
LEDGE AT 96"

TH2 DATE: 2-13-19
0"-3" A, SL, 2.5YR 2.5/1
3"-24" Bw, SL, 10YR 5/6
24"-50" C, FSL, 10YR 6/2
50"-96" C2, G, CB, SL, 5YR 5/2
SHWT 24"
LEDGE AT 96"

TH3 DATE: 3-13-19
0"-3" A, SL, 2.5YR 2.5/1
3"-24" Bw, SL, 10YR 5/6
24"-48" C, FSL, 10YR 6/2
48"-96" C2, G, CB, SL, 5YR 5/2
SHWT 24"
LEDGE AT 96"

TH4 DATE: 3-13-19
0"-3" A, SL, 2.5YR 2.5/1
3"-24" Bw, SL, 10YR 5/6
24"-50" C, FSL, 10YR 6/2
50"-96" C2, G, CB, SL, 5YR 5/2
SHWT 24"
LEDGE AT 96"

LEDGE PROBES
DATE: 3-13-19
P1 96"
P2 84"

DESIGN DATA
SOIL CATEGORY: 6
LOADING RATE: 0.61
FIELD SIZE: ELJENS
2 LINES
21 ELJENS
588 SF

ZONING DISTRICT: A4
MINIMUM SETBACKS: FRONT - 70'
SIDE - 50'
REAR - 100'

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 T-4

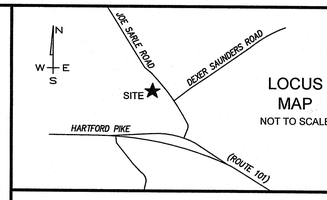
STATEMENT OF PURPOSE
THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND THE PREPARATION OF THE PLAN IS AS FOLLOWS: PROPOSED HOUSE

BY: Marc N. Nyberg
MARC N. NYBERG License No. 1797 COA No.: A52

MARC N. NYBERG 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



LOCUS MAP
NOT TO SCALE

PROPOSED ONSITE WASTEWATER TREATMENT SYSTEM AND WETLANDS PLAN for JOHN CONTI
PLAT 9, LOT 23-A
GLOCESTER, RHODE ISLAND
MARCH, 2020
SCALE 1"= 30'

GRAPHIC SCALE
0' 30' 60' 90'

No.	DESCRIPTION	DATE

SHEET NUMBER	JOB NUMBER
1 of 1	18-193

PLAN FOR NOTICE