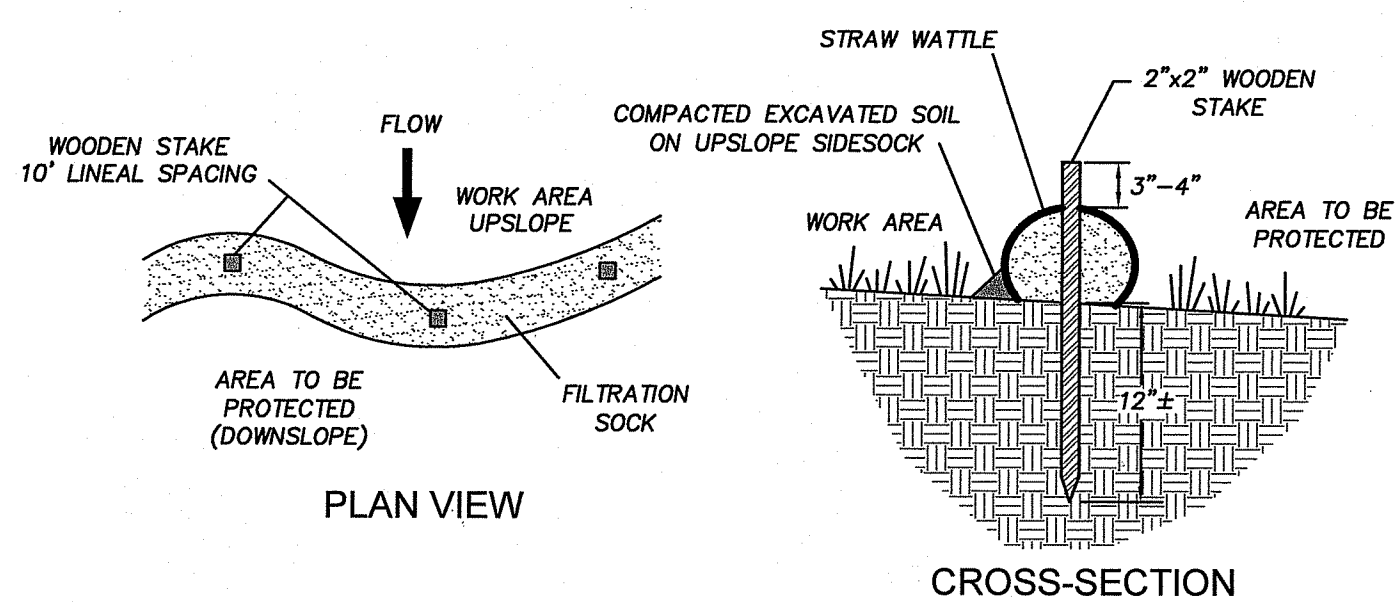


STRAW WATTLE DETAIL
NOT TO SCALE



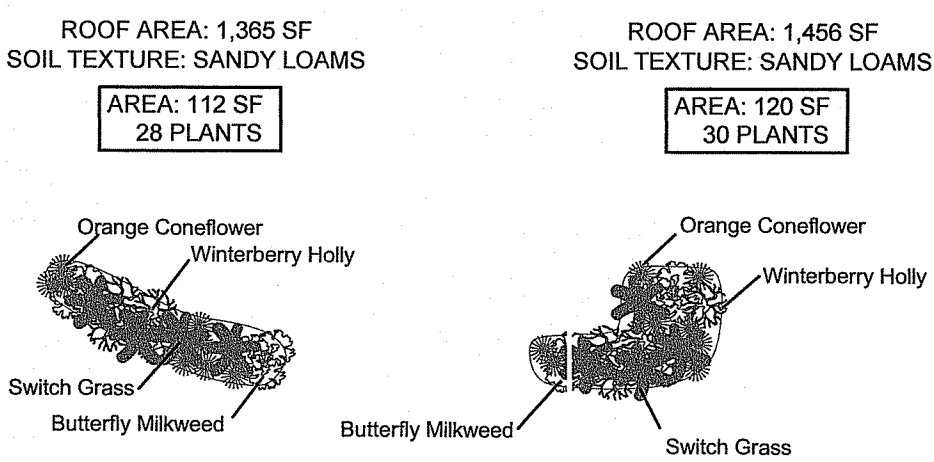
RAIN GARDEN

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 filled and amended to maintain proper.

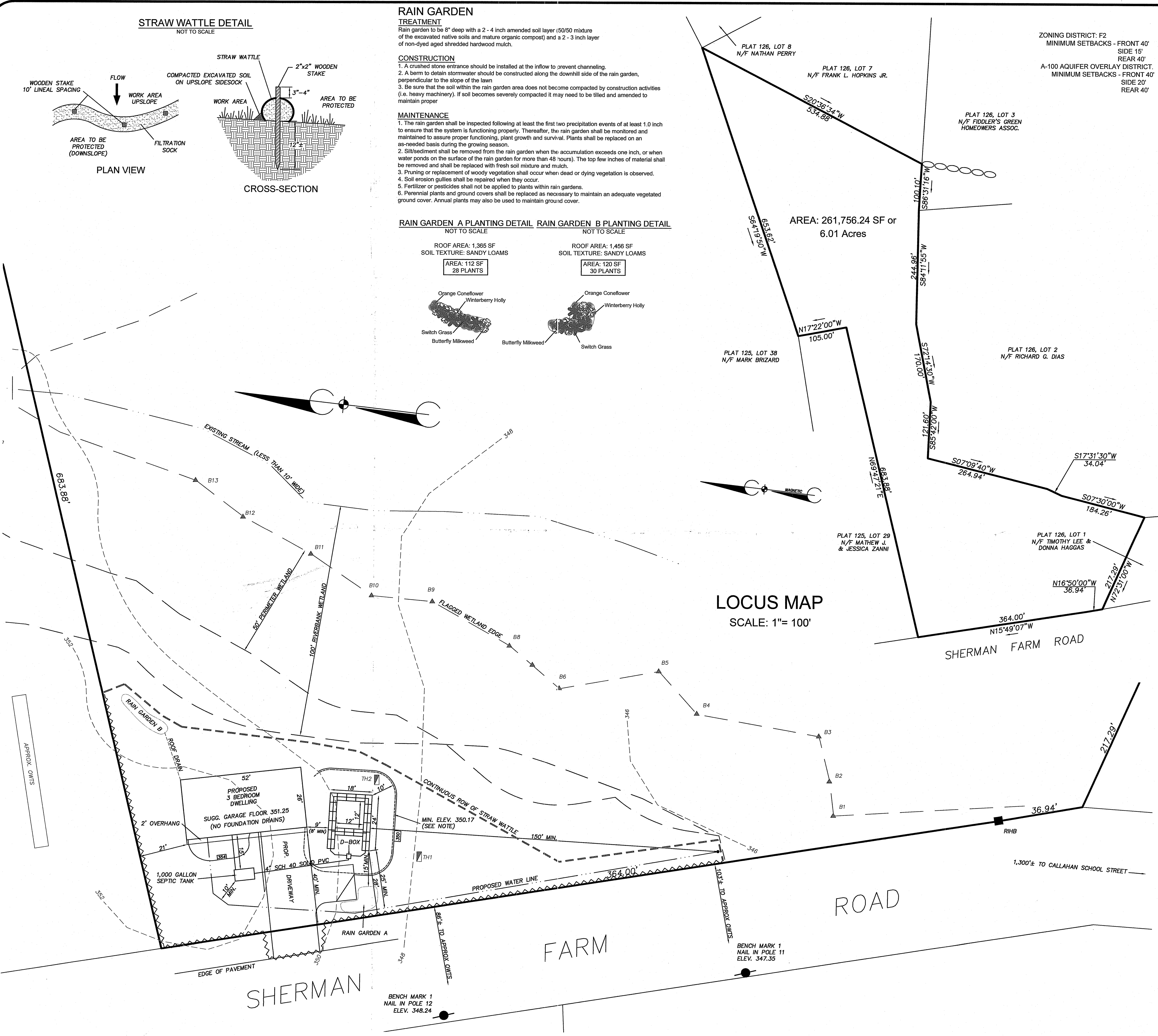
MAINTENANCE
1. The rain garden shall be inspected following at least the first two precipitation events of at least 1.0 inch to ensure that the system is functioning properly. Thereafter, the rain garden shall be monitored and maintained to assure proper functioning, plant growth and survival. Plants 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.

RAIN GARDEN A PLANTING DETAIL NOT TO SCALE
RAIN GARDEN B PLANTING DETAIL NOT TO SCALE

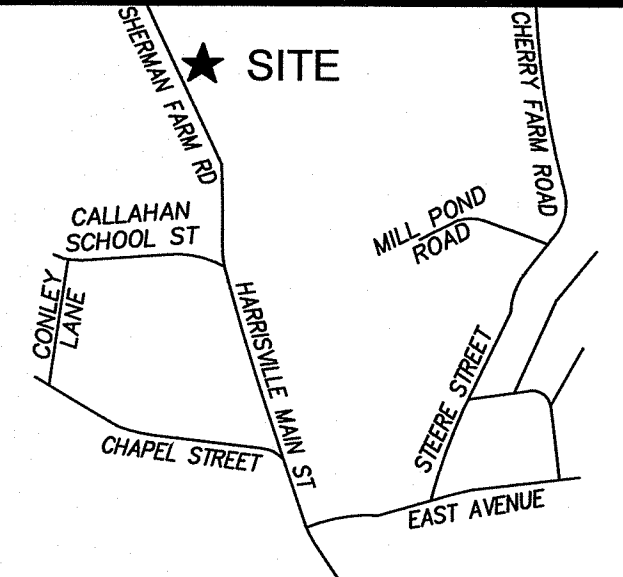


AREA: 261,756.24 SF or 6.01 Acres

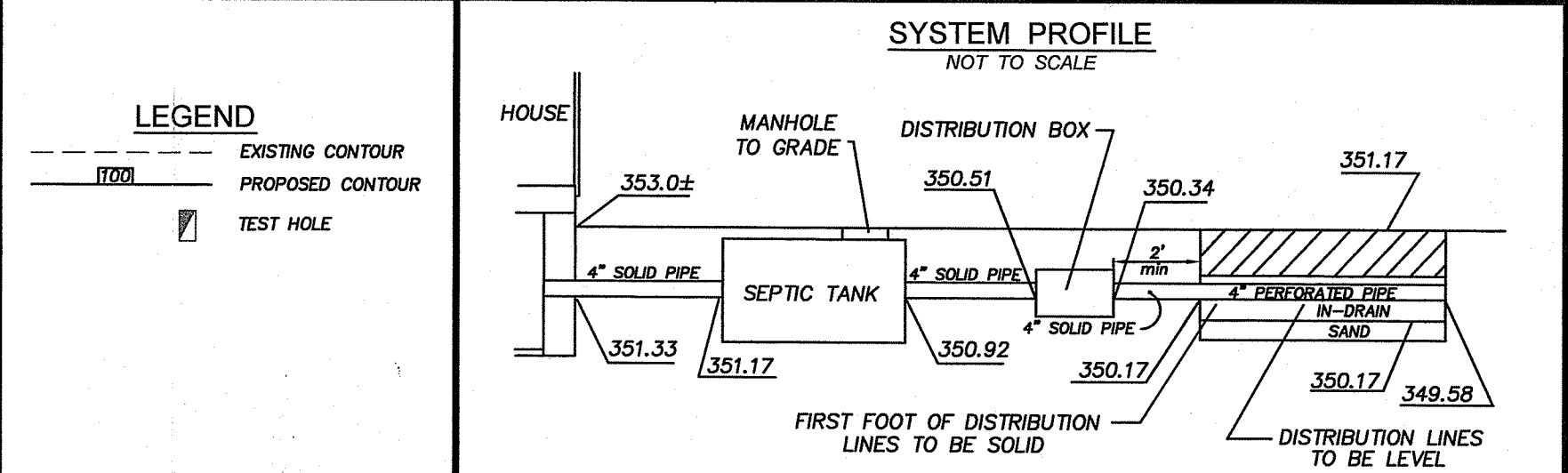
LOCUS MAP
SCALE: 1" = 100'



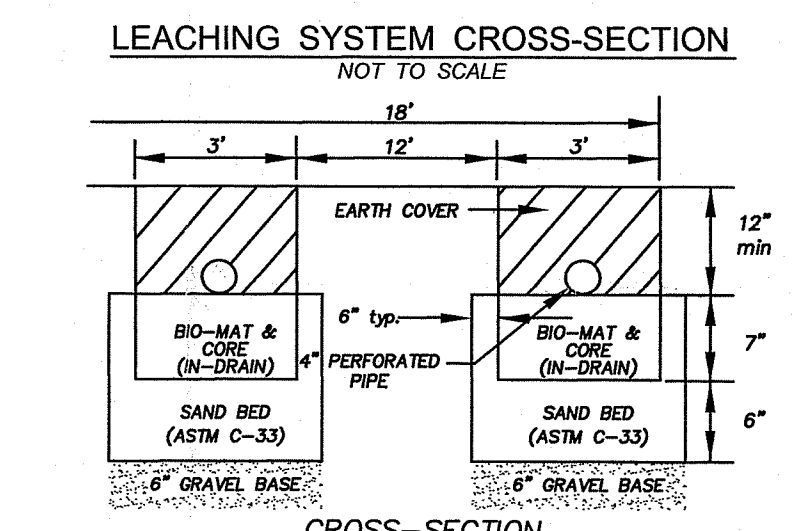
ZONING DISTRICT: F2
MINIMUM SETBACKS - FRONT 40'
SIDE 15'
REAR 40'
A-100 AQUIFER OVERLAY DISTRICT
MINIMUM SETBACKS - FRONT 20'
SIDE 20'
REAR 40'



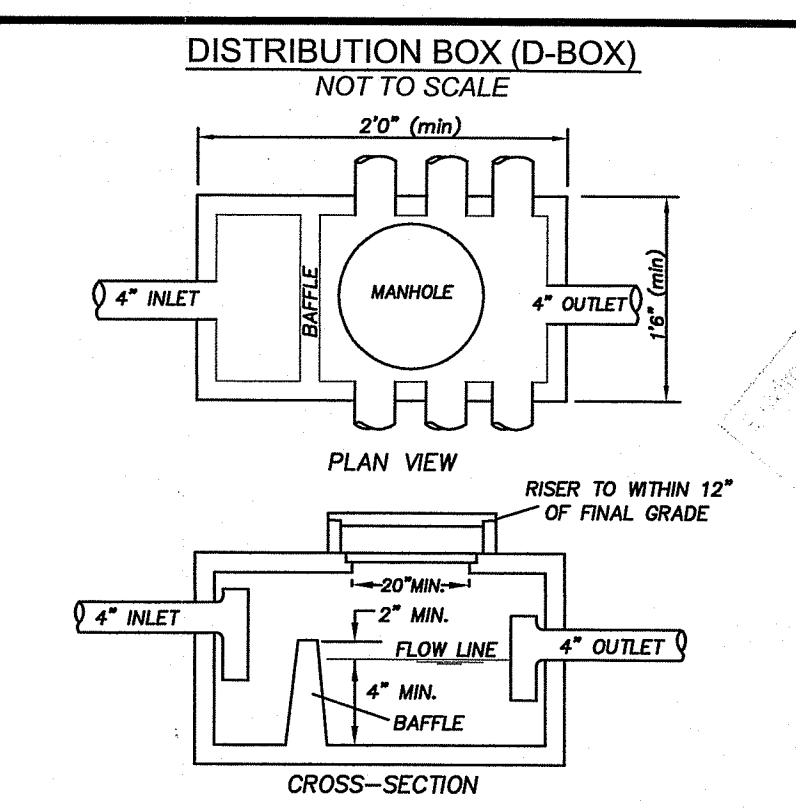
LOCUS MAP
NOT TO SCALE



- 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' STRIP REQUIRED.
 - 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 DOWNS. NO PUBLIC WELLS, EXISTING OR PROPOSED, ARE WITHIN 500' OF THE DOWNS 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.: 350.17.
 - 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.



TEST HOLE DATA		DESIGN DATA	
DATE: 5-14-19		SOIL CATEGORY: 1	
TH1	0'-14" Ap, SL, 10YR 3/2	LOADING RATE: 0.70	FIELD SIZE: ELJENS, 2 LINES
	14"-40" Bw, SL, 10YR 4/6		18 ELJENS
	40"-64" C, CB, G, LOOS, 10YR 4/4		504 SF
	64"-120" C2, CB, G, LOOS, 10YR 4/3		
SHWT: 58"			
NO LEDGE AT 120"			
TH2	0'-12" Ap, SL, 10YR 3/2		
	12"-30" Bw, SL, 10YR 4/6		
	30"-120" C, CB, G, LOOS, 10YR 4/3		
SHWT: 44"			
NO LEDGE AT 120"			

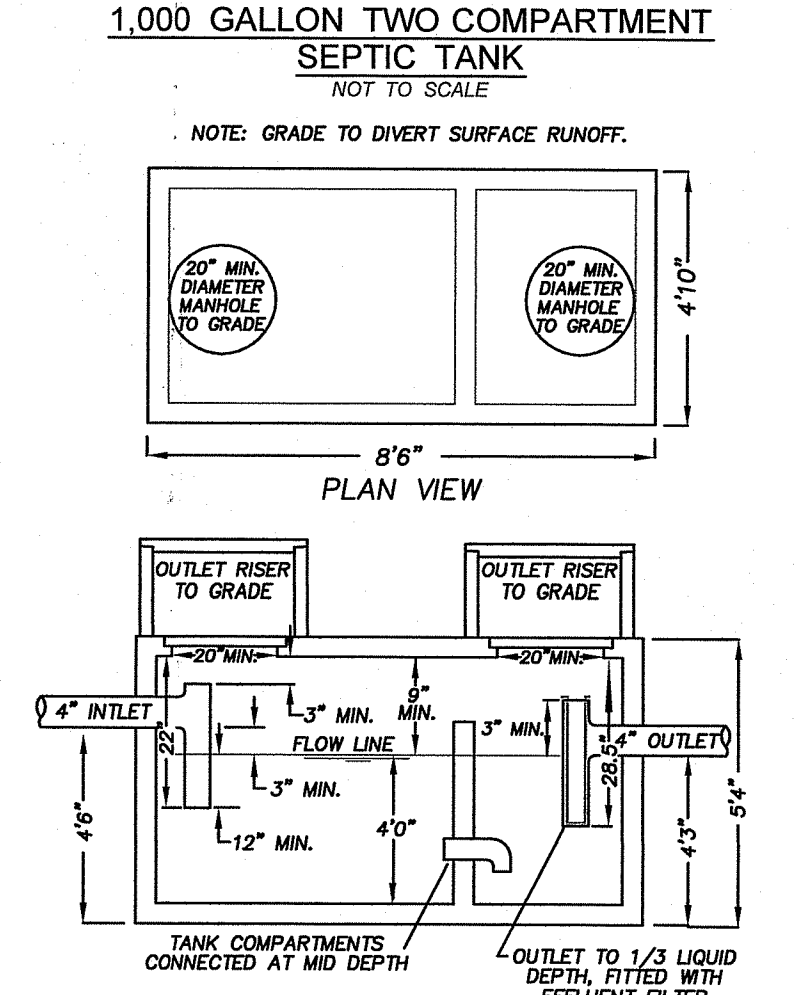


PROPOSED ONSITE WASTEWATER TREATMENT & WETLANDS PLAN
for
MARK BRIZARD
PLAT 125, LOT 27
SHERMAN FARM ROAD
BURRILLVILLE, RHODE ISLAND
OCTOBER, 2019 SCALE 1"=20'

REVISED: 8-26-19 RELABEL HOUSE PROPOSED

Nyberg & Associates A SUBSIDIARY OF
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



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. AS2

MARC N. NYBERG
No. 1797
PROFESSIONAL LAND SURVEYOR

JOB NUMBER
19-037