

DESIGN CALCULATIONS	DESIGNER CERTIFICATIONS
DESIGN CRITERIA:  SINGLE FAMILY HOME  DESIGN PERC RATE: PSA  LOADING RATE: 0.33 gpd/ft^2  DESIGN FLOW:  (3 BEDROOM(s)) (110 gpd/BEDROOM) = 330 gpd  SEPTIC TANK:  1500 gal REQUIRED - 1500 gal 2 COMPARTMENT PROVIDED  SOIL ABSORPTION SYSTEM (SAS):  REQUIRED: (330 gpd) / (0.33 gpd/ft^2) = 1000 ft^2  PROVIDED: CULTEC C-100 CHAMBERS  EFFEC. LEACH AREA(ELA)=5ft^2/If OF CHAMBER  6 ROW(s) OF 5 CHAMBER(s)  6 x 37.6If x 5sq.ft/If = 1128sq.ft. (ELA)	I certify that in June of 1994 I passed the soil evaluator examination by the Department of Environmental Protection and that the above analysis was performed by me consistent with the required training, expertise and experience described in 310 CMR 15.017.  Signature
37.6ft L x 18ft W = 676.8sq. ft. (ACTUAL)  SOIL TESTING RESULTS	GENERAL NOTES

WITNESS: PHIL LEGER PERC RATE #1 PSA PERC RATE #2 ALTERNATIVE TO THE PERC TEST RESULTS: SANDY LOAM; FIRM; 0.33gpd/ft^2 LOADING RATE

TP1 ELEVATION: 96.78' ESHW ELEVATION: 92.78' DEPTH HRZ TXT COLOR MOTTLE/OTHER

0 - 48 in FILL | 48 - 54 in | A | SL | 10YR 3/2 | GW @ 48in 54 - 72 in Bw SL 10YR 6/3 72 - 108 in C SL 5Y 5/4

ı	TP2 ELE	VATION: 9	6.94		ELEVATION: 92.94'
ı	DEPTH	HRZ	TXT	COLOR	MOTTLE/OTHER
ı	0 – 48 ir	n FILL			
ı	48 - 54	in A	SL	10YR 3/2	GW @ 48in
ı	54 - 72	in Bw	SL	10YR 6/3	
ı	72 – 108	in C	SL	5Y 5/4	

1) ALL CONSTRUCTION PRACTICE AND MATERIALS MUST CONFORM TO 310 CMR 15 (TITLE 5) AS REVISED 9 SEPTEMBER 2016 AND/OR LOCAL REGULATIONS. 2) CONTRACTOR IS RESPONSIBLE FOR VIEWING SITE BEFORE BÍDDING JOB TO BECOME FAMILIAR WITH ALL ASPECTS OF THE

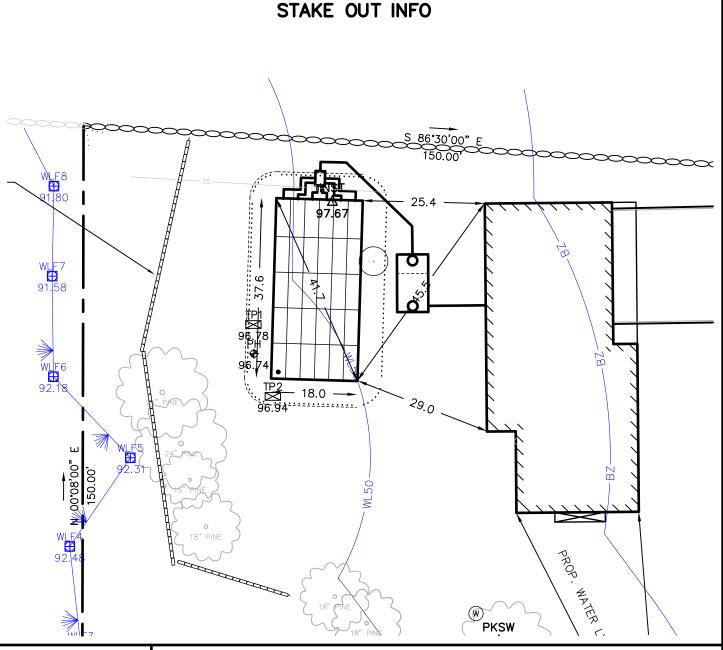
3) CONTRACTOR SHALL VERIFY ALL INVERTS AND SETBACKS FROM WELLS, PROPERTY LINES AND WATER BEFORE BEGINNING WORK. 4) IF CONDITIONS IN THE FIELD DIFFER THAN THOSE SHOWN ON THE PLAN, WORK SHALL STOP, AND THE DESIGN ENGINEER AND THE BOARD OF HEALTH SHALL BE CONSULTED BEFORE WORK CONTINUES.

5) CONTACT THE DESIGN ENGINEER AND BOARD OF HEALTH FOR A REQUIRED BOTTOM INSPECTION BEFORE PLACING SAND OR STONE. CONTACT DESIGN ENGINEER AND BOARD OF HEALTH FOR FINAL INSPECTION BEFORE COVERING SYSTEM. 6) THE CONTRACTOR SHALL INSURE ALL NECESSARY PERMITS HAVE BEEN OBTAINED BEFORE INSTALLING THE SYSTEM. 7) NO PERMANENT STRUCTURES SHALL BE PLACED ON THE PROPOSED DISPOSAL SYSTEM 8) PROPERTY LINES ARE GRAPHIC ONLY AND ARE NOT TO BE USED TO ERECT FENCES OR SHEDS. NO PROPERTY SURVEY WAS DONE. 9) THE DESIGN ENGINEERS ONLY WARRANTY IS THE SYSTEM IS

## LOCUS MAP

DESIGNED ACCORDING TO TITLE V UNLESS OTHERWISE NOTED.







10 MAIN STREET STURBRIDGE, MA 01566 508-347-5226 (W) 508-347-9857 (F) WORKING TO PROTECT OUR WATER RESOURCES

PERC TESTING SEPTIC DESIGN WETLAND PERMITTING ENVIRONMENTAL CONSULTING

PROPOSED SEPTIC SYSTEM & WELL REPAIR BROOKE POULIN 315 RIVER STREET LEICESTER MA 12 JUNE 2018

MAP 42-B PARCEL 13 JOB: **2018-014** OT: 4/8/2018 6:06 AM