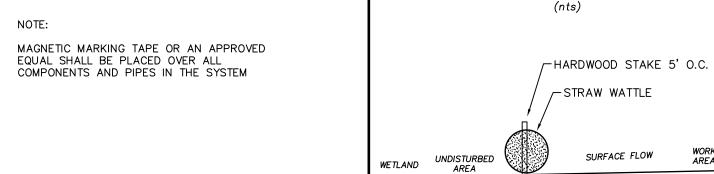


THIS SYSTEM REQUIRES THE FOLLOWING LOCAL UPGRADE APPROVALS TO TITLE 5 AND/OR LOCAL REGULATIONS:

1. VARIANCE TO 310 CMR 15.211 (1) THE PROPOSED SAS DOES NOT MEET THE REQUIRED SETBACK FROM A WELL. 100 FEET REQUIRED, 65 FEET PROVIDED. (n/f NEILL) 2. VARIANCE TO 310 CMR 15.211 (1) THE PROPOSED SAS DOES NOT MEET THE REQUIRED SETBACK FROM A WELL. 100 FEET REQUIRED, 53 FEET PROVIDED. (n/f OWNER) 3. VARIANCE TO 310 CMR 15.211 (1) THE PROPOSED SAS DOES NOT MEET THE REQUIRED SETBACK FROM A WELL. 100 FEET REQUIRED, 85 FEET PROVIDED. (n/f BONIFACE) 4. VARIANCE TO 310 CMR 15.211 (1) THE PROPOSED SAS DOES NOT MEET THE REQUIRED SETBACK FROM A PROPERTY LINE. 10 FEET REQUIRED, 5.5 FEET PROVIDED. (PRIVATE ROAD)



LEGEND PROPERTY LINE

	EROSION CONTROL
98	EXISTING CONTOUR
<u> </u>	PROPOSED CONTOUR
	WATER LINE
×	EDGE OF WETLAND EXISTING SPOT GRADE
+97.1 ♦ ⊠ △	PROPOSED SPOT GRADE PERC HOLE TEST PIT CONTROL WETLAND FLAG

SCALE: 1in = 20ft

WETLAND PROTECTION MEASURES:

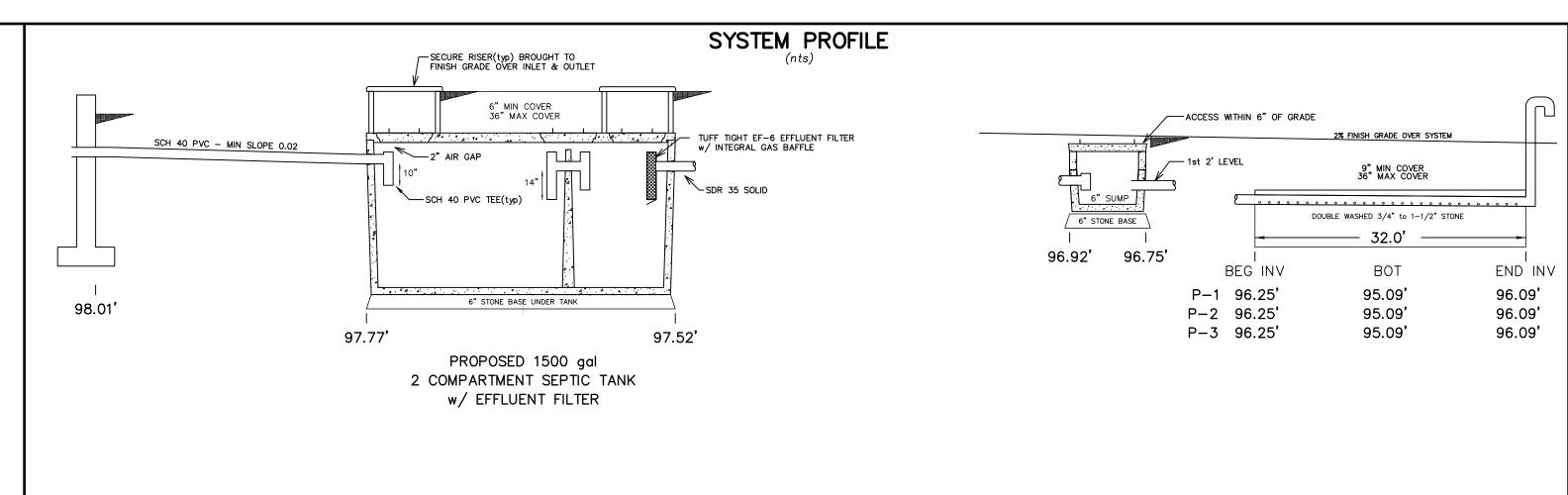
1) STAKED STRAW WATTLES SHALL BE INSTALLED AS SHOWN ON THE PLAN. THEY SHALL BE INSPECTED BY THE LOCAL CONSERVATION COMMISSION, IF REQUIRED, BEFORE CONSTRUCTION. 2) WITHIN THE 100ft BUFFER ZONE ALL DISTURBING OF SOIL SHALL BE MINIMIZED. 3) ALL DISTURBED AREAS SHALL BE LOAMED. SEEDED AND MULCHED ÁS SOON A POSSIBLE.

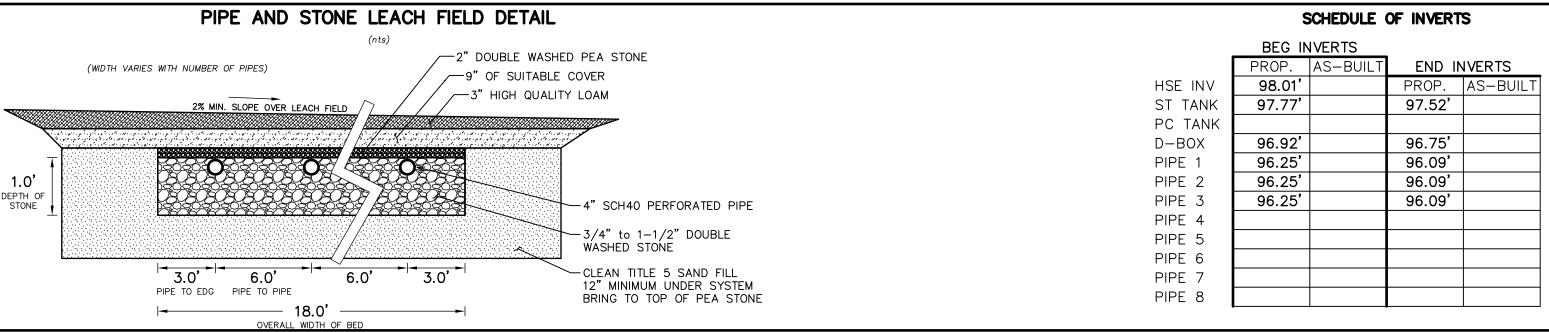
PROPOSED STAKED STRAW WATTLE BARRIER

4) NO WORK OR STORAGE OF MATERIAL SHALL BE DOWN HILL OF THE STRAW WATTLES. 6) ALL NECESSARY PERMITS SHALL BE OBTAINED BEFORE WORK COMMENCES. 7) OWNER AND CONTRACTOR SHALL ADHERE TO ANY ORDERS ISSUED BY THE LOCAL CONSERVATION COMMISSION.

LOCUS MAP







INSPECTION PORT DETAIL				
	4" SCREW CAP 3" BELOW FINISH GRADE			
	4" PERFORATED PIPE SET VERTICAL IN DISTAL END OF LEACH FIELD			
	LEACHFIELD STONE			

DESIGN CALCULATIONS	DESIGNER CERTIFICATIONS
DESIGN CRITERIA:	
SINGLE FAMILY HOME DESIGN PERC RATE: 10 mpi LOADING RATE: 0.6 gpd/ft^2 DESIGN FLOW: (3 BEDROOM(s)) (110 gpd/BEDROOM) = 330 gpd SEPTIC TANK:	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
1500 gal REQUIRED - 1500 gal 2 COMPARTMENT PROVIDED	

SOIL TESTING RESULTS DATE OF TEST: 20 DECEMBER 2016 SOIL EVALUATOR: MARK FARRELL WITNESS: JAMIE TERRY

PERC RATE #1 3 mpi PERC RATE #2

ALTERNATIVE TO THE PERC TEST RESULTS:

REQUIRED: $(330 \text{ gpd}) / (0.60 \text{ gpd/ft}^2) = 550 \text{ ft}^2$

(1) 32 ft x 18 ft = 576 ft²

1 BED(s) 32 ft L x 18 ft W x 1 ft D

SOIL ABSORPTION SYSTEM (SAS):

PROVIDED: PIPE AND STONE BED

SOIL LOGS:

12 2003.						
ELEVATION: 98.86'			8.86	ESHW E	ELEVATION: 88.86'	
ΞP	TH	HRZ	TXT	COLOR	MOTTLE/OTHER	
	6 in	Α		10YR 3/2		
_	30 in	BW	LS	10YR 6/8		
) -	- 120 in	C	s	2.5Y 6/8	NONE @ 120in	

GENERAL NOTES

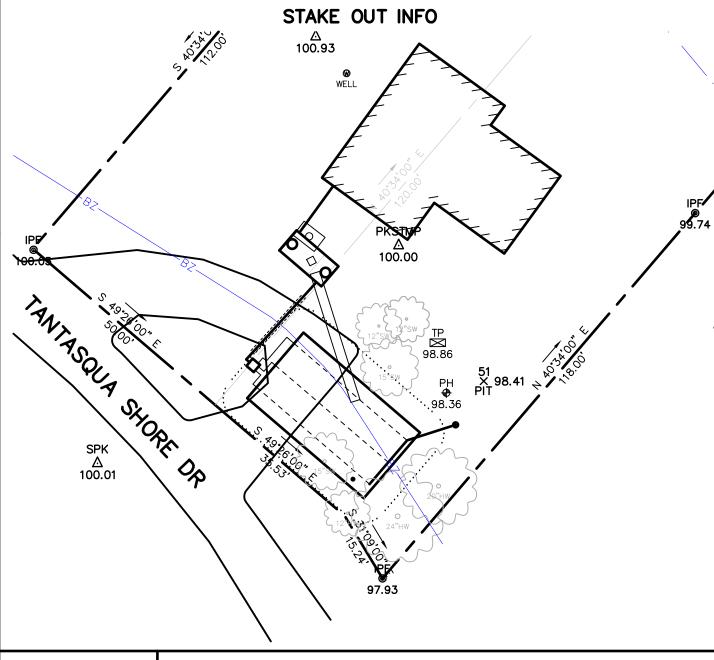
1) ALL CONSTRUCTION PRACTICE AND MATERIALS MUST CONFORM TO 310 CMR 15 (TITLE 5) AS REVISED 9 SEPTEMBER 2016 AND/OR LOCAL REGULATIONS.

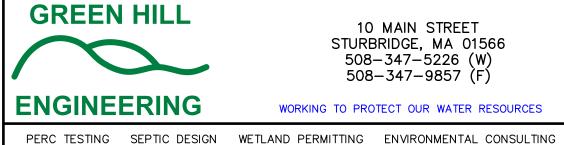
2) CONTRACTOR IS RESPONSIBLE FOR VIEWING SITE BEFORE BÍDDING JOB TO BECOME FAMILIAR WITH ALL ASPECTS OF THE 3) CONTRACTOR SHALL VERIFY ALL INVERTS AND SETBACKS FROM WELLS, PROPERTY LINES AND WATER BEFORE

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 DESIGN ENGINEER AND BOARD OF HEALTH RÉQUIRE 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. 8) ALL INTERIOR PLUMBING SHALL BE CONNECTED TO THE PROPOSED DISPOSAL SYSTEM WITH THE EXCEPTION OF WATER FILTRATION BACKWASH.

9) NO PERMANENT STRUCTURES SHALL BE PLACED ON THE PROPOSED DISPOSAL SYSTEM 7) PROPERTY LINES ARE GRAPHIC ONLY AND ARE NOT TO BE USED TO ERECT FENCES OR SHEDS. NO PROPERTY SURVEY WAS DONE.





10 MAIN STREET STURBRIDGE, MA 01566 508-347-5226 (W) 508-347-9857 (F)

WORKING TO PROTECT OUR WATER RESOURCES

PROPOSED SEPTIC SYSTEM REPAIR - NO EXPANSION LOUIS FAZEN & LYNN ECKHERT 18 TANTASQUA SHORE DRIVE STURBRIDGE MA 21 FEBRUARY 2018

MAP 1 PARCEL 18

OTTED: 2/28/2018 5:51 AM PROJECT: **2016-157**