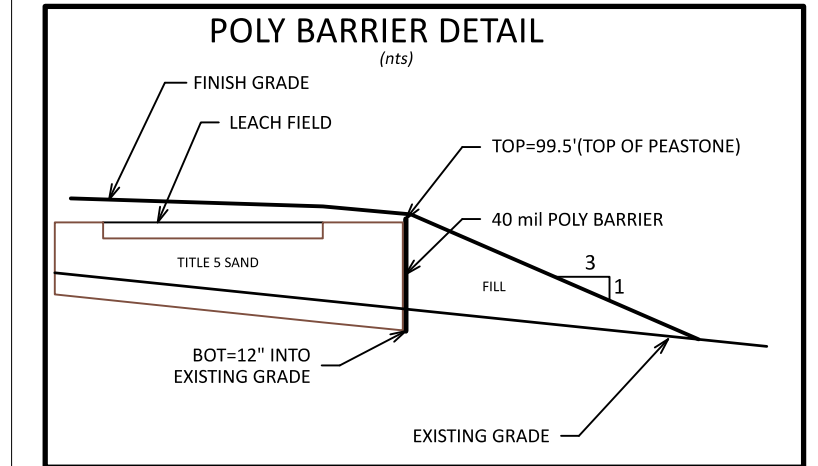
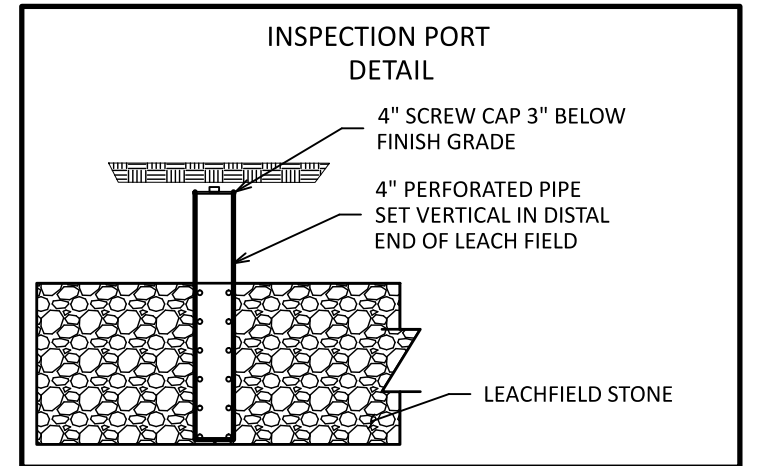


SCHEDULE OF INVERTS

HSE INV	BEG INVERTS		END INVERTS	
	PROP.	AS-BUILT	PROP.	AS-BUILT
ST TANK	115.83'		115.22'	
PC TANK	115.47'		114.70'	
D-BOX	114.87'		114.70'	
PIPE 1	114.20'		114.00'	
PIPE 2	114.20'		114.00'	
PIPE 3	114.20'		114.00'	
PIPE 4				
PIPE 5				
PIPE 6				
PIPE 7				
PIPE 8				



DESIGN CALCULATIONS

DESIGN PERC RATE: 10 mpi
LOADING RATE: 0.6 gpd/R²
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) / (0.60 gpd/ft²) = 550 ft²
PIPE AND STONE BED: 1 BED(S) 40 ft L x 18 ft W x 0.5 ft D (1) 40 ft x 18 ft = 720 ft²

DESIGNER CERTIFICATIONS

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 _____ Date _____

SOIL TESTING RESULTS

DATE OF TEST: 7 JULY 2020
SOIL EVALUATOR: MARK FARRELL
WITNESS: KEN LACEY
PERC RATE #1 6 mpi PERC RATE #2 10 mpi
ALTERNATIVE TO THE PERC TEST RESULTS:

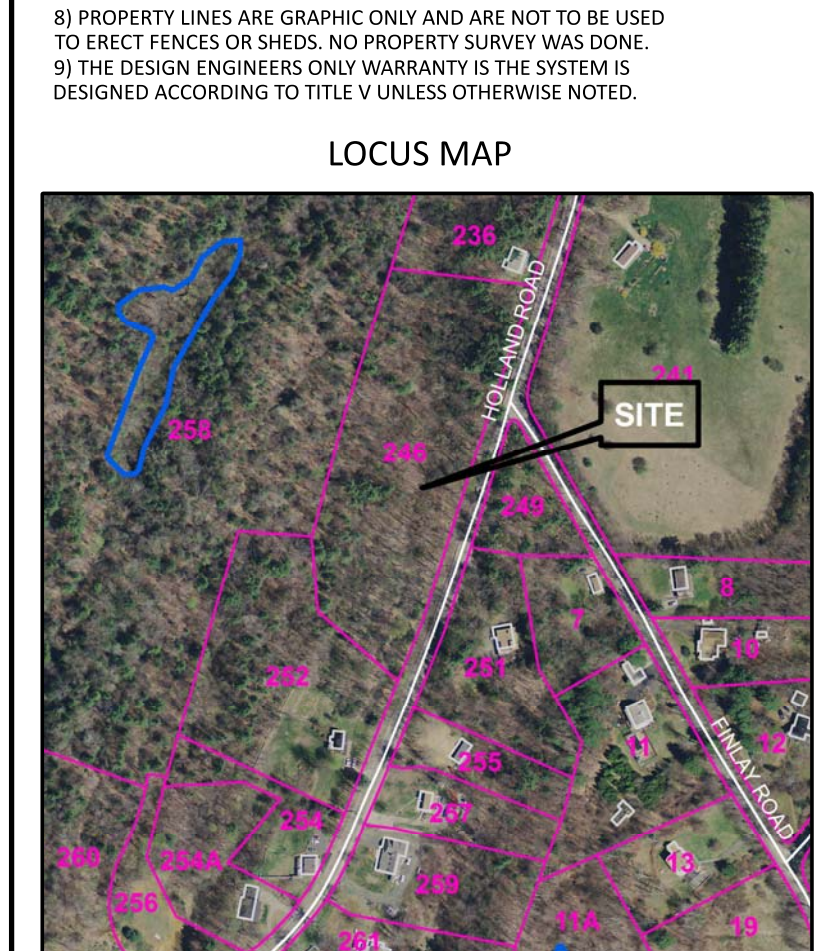
DEPTH	HRZ	TXT	COLOR	MOTTLE/OTHER
0-6 in	A	SL	10YR 3/2	
6-24 in	Bw	SL	10YR 6/8	
24-60 in	C	LS	2.5Y 6/4	COMMON 10YR 6/8@42in

GENERAL NOTES

- ALL CONSTRUCTION PRACTICE AND MATERIALS MUST CONFORM TO 310 CMR 15 (TITLE 5) AS REVISED 9 SEPTEMBER 2016 AND/OR LOCAL REGULATIONS.
- CONTRACTOR IS RESPONSIBLE FOR VIEWING SITE BEFORE BIDDING JOB TO BECOME FAMILIAR WITH ALL ASPECTS OF THE JOB.
- CONTRACTOR SHALL VERIFY ALL INVERTS AND SETBACKS FROM WELLS, PROPERTY LINES AND WATER BEFORE BEGINNING WORK.
- IF CONDITIONS IN THE FIELD DIFFER FROM THOSE SHOWN ON THE PLAN, WORK SHALL STOP, AND THE DESIGN ENGINEER AND THE BOARD OF HEALTH SHALL BE CONSULTED BEFORE WORK CONTINUES.
- 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.
- THE CONTRACTOR SHALL INSURE ALL NECESSARY PERMITS HAVE BEEN OBTAINED BEFORE INSTALLING THE SYSTEM.
- NO PERMANENT STRUCTURES SHALL BE PLACED ON THE PROPOSED DISPOSAL SYSTEM.
- PROPERTY LINES ARE GRAPHIC ONLY AND ARE NOT TO BE USED TO ERECT FENCES OR SHEDS. NO PROPERTY SURVEY WAS DONE.
- THE DESIGN ENGINEER'S ONLY WARRANTY IS THE SYSTEM IS DESIGNED ACCORDING TO TITLE 5 UNLESS OTHERWISE NOTED.

SOIL LOGS

DEPTH	HRZ	TXT	COLOR	MOTTLE/OTHER
0-6 in	A	SL	10YR 3/2	
6-24 in	Bw	SL	10YR 6/8	
24-60 in	C	LS	2.5Y 6/4	COMMON 10YR 6/8@42in



STAKE OUT INFO

ITEM	PROP.	AS-BUILT	PROP.	AS-BUILT
HSE INV	115.83'		115.22'	
ST TANK	115.47'		114.70'	
PC TANK	114.87'		114.70'	
D-BOX	114.20'		114.00'	
PIPE 1	114.20'		114.00'	
PIPE 2	114.20'		114.00'	
PIPE 3	114.20'		114.00'	
PIPE 4				
PIPE 5				
PIPE 6				
PIPE 7				
PIPE 8				

**GREEN HILL
ENGINEERING**

PERC TESTING SEPTIC DESIGN WETLAND PERMITTING ENVIRONMENTAL CONSULTING

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

WORKING TO PROTECT OUR WATER RESOURCES

PROPOSED SEPTIC SYSTEM

NEW CONSTRUCTION
JIM HARRITY
LOT 3 - 246 HOLLAND ROAD
STURBRIDGE MA
22 AUGUST 2020
rev 10.2.20 SHOW WL FROM LOT 2, REMOVE WL LINE FROM LOT 3

MAP 32 PAR 246 (PORTION)

JOB: 2020-087

LEGEND

- PROPERTY LINE
- - - EROSION CONTROL
- - - EXISTING CONTOUR
- - - PROPOSED CONTOUR
- - - WATER LINE
- - - EDGE OF WETLAND
- - - EXISTING SPOT GRADE
- +97.4 PROPOSED SPOT GRADE
- PERC HOLE
- TEST PIT
- △ CONTROL
- WETLAND FLAG

NOTE: MAGNETIC MARKING TAPE OR AN APPROVED EQUAL SHALL BE PLACED OVER ALL COMPONENTS AND PIPES IN THE SYSTEM.

SCALE: 1in = 20ft

THERE ARE NO WELLS WITHIN 100ft OF THE PROPOSED SEPTIC SYSTEM.

PRIOR TO ANY EXCAVATION THE CONTRACTOR SHALL NOTIFY DIG SAFE