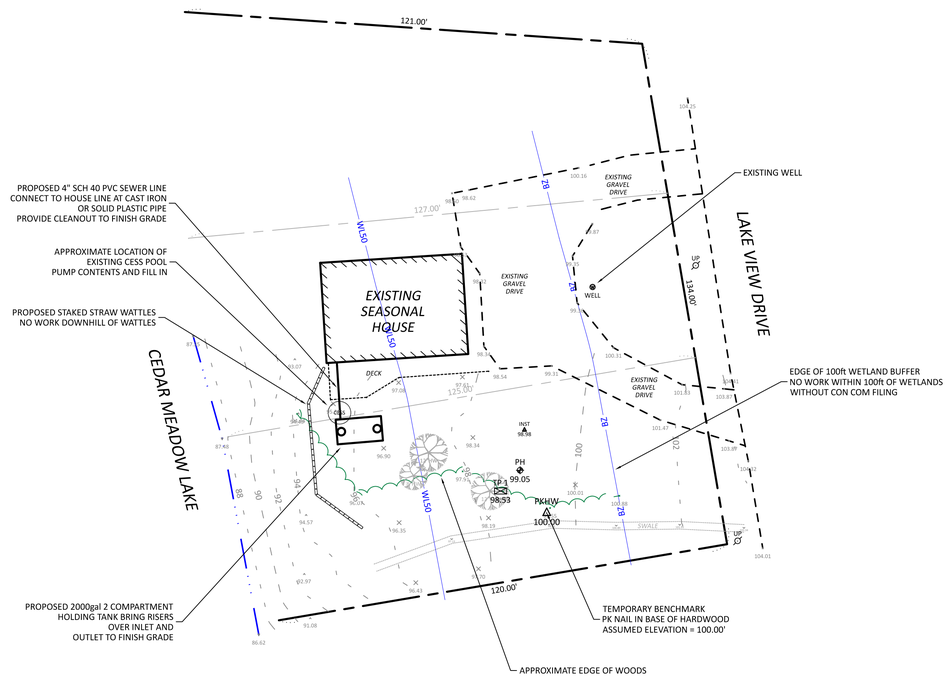
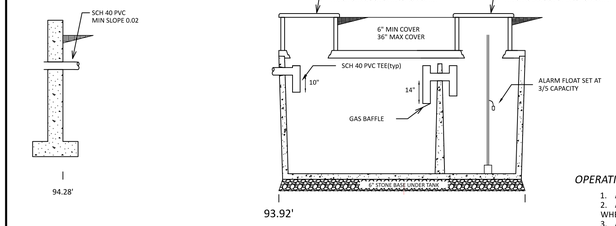


SYSTEM PROFILE

(nts)



PROPOSED 2000 gal
2 COMPARTMENT HOLDING TANK
w/ RISERS TO FINISH GRADE

OPERATION AND MAINTENANCE PLAN

1. ALARM SHALL BE SET AT ¾ OF TANK CAPACITY.
2. ACCESS TO TANK SHALL BE MAINTAINED AT ALL TIMES WHEN THE FACILITY IS BEING USED.
3. A LICENSED SEPTAGE HAULER SHALL BE CONTACTED WHEN THE ALARM IS ACTIVATED.
4. THE SEPTAGE HAULER SHALL INSPECT THE TANK FOR LEAKS OR ILLEGAL OUTLETS AT TIME OF PUMPING AND SHALL NOTIFY THE BOARD OF HEALTH OF ANY PROBLEMS.
5. THE SEPTAGE SHALL BE BROUGHT TO A MUNICIPAL TREATMENT PLANT LICENCED TO ACCEPT SEPTAGE, TREATED AND DISCHARGED INTO THE LOCAL RIVER.
6. THE ALARM SHALL BE INSPECTED AND TESTED EACH TIME THE TIGHT TANK IS PUMPED OUT.

SCHEDULE OF INVERTS

	BEG INVERTS		END INVERTS	
	PROP.	AS-BUILT	PROP.	AS-BUILT
HSE INV	94.28'			
HLD TANK	93.92'			

DESIGN CALCULATIONS

DESIGN CRITERIA:
SINGLE FAMILY HOME NO GARBAGE DISPOSAL
DESIGN PERC RATE: NO PERC TAKEN
LOADING RATE:
DESIGN FLOW:
(3 BEDROOM(s)) (110 gpd/BEDROOM) = 330 gpd
SEPTIC TANK:
2000 gal REQUIRED - 2000 gal 2 COMPARTMENT PROVIDED

SOIL TESTING RESULTS

DATE OF TEST: 8 JULY 2020
SOIL EVALUATOR: MARK FARRELL
WITNESS: J VANARSDALEN

SOIL LOGS:

TP1 ELEVATION: 98.53' ESHW ELEVATION: 98.53'

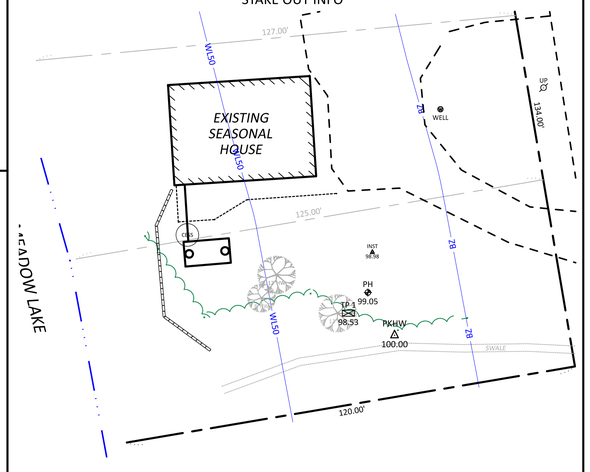
DEPTH	HRZ	TXT	COLOR	MOTTLE/OTHER
0 - 6 in	A	SL	10YR 3/2	
6 - 30 in	Bw	SL	10YR 6/8	
30 - 84 in	C	SL	5Y 5/4	MOTTLES @ 24in

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 BIDDING JOB TO BECOME FAMILIAR WITH ALL ASPECTS OF THE JOB.
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 DESIGNED ACCORDING TO TITLE V UNLESS OTHERWISE NOTED.

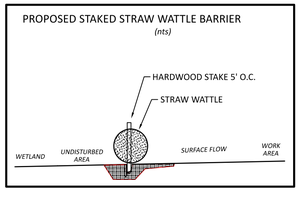
LOCUS MAP

STAKE OUT INFO



PROPOSED STAKED STRAW WATTLE BARRIER

(nts)



THE PROPOSED HOLDING TANK WILL BE USED AS A REMEDIAL UPGRADE TO A FAILED SYSTEM AS PER 310 CMR 15.260 (8)

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 AS SOON A POSSIBLE.
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.

LEGEND

- PROPERTY LINE
- EROSION CONTROL
- 98 EXISTING CONTOUR
- 102 PROPOSED CONTOUR
- W WATER LINE
- EDGE OF WETLAND
- EXISTING SPOT GRADE
- 97.1 PROPOSED SPOT GRADE
- 101.7 AS-BUILT FINISH GRADE
- PERC HOLE
- TEST PIT
- CONTROL
- WETLAND FLAG

0 20 40

SCALE: 1in = 20ft

PRIOR TO ANY EXCAVATION THE CONTRACTOR SHALL NOTIFY DIG SAFE

NOTE:

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

GREEN HILL ENGINEERING
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
REPAIR
AUDREY FORSBERG
21 LAKE VIEW DRIVE
LEICESTER MA
19 MAY 2021

MAP 28B - A-21

PLOT:6/28/2021 2:45 PM

JOB: *2020-085*