

EAST BELCHER ROAD

172'

BENCHMARK -
NAIL IN 36" OAK
EL.=100.00

OVERDIG &
SEPTIC GRAVEL
REFILL
54'x43'

OBS. PIPE
(TYP.)

3 TRENCHES - 44' LONG x
24" DEEP x 36" WIDE

1.3±ACRES

136'

HOUSE
#82
SILL=97.83

1500 GAL.
2-COMP.
SEPTIC TANK

93.4
93.4

EXISTING CESSPOOL TO
BE PUMPED & FILLED
PER TITLE 5

100' WETLAND
BUFFER

PROPOSED SILT FENCE
& LIMIT OF WORK

B.V.W. DELINEATED
BY DAN
O'DRISCOLL

RECEIVED

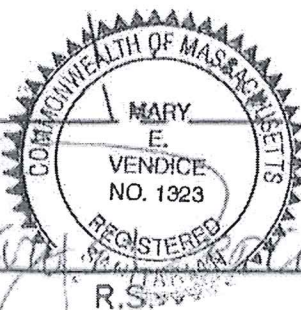
SEP 01 2020

CONSERVATION
COMMISSION

SITE PLAN

1" = 20'

297'



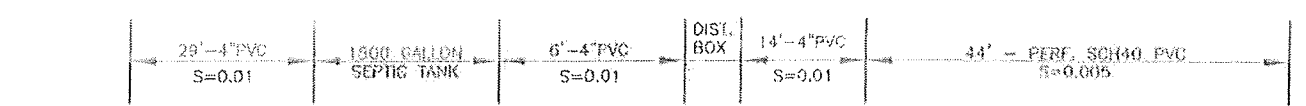
KENNEWAY-82 EAST BELCHER RD., FOXBORO, MA
SEPTIC SYSTEM REPAIRS

SITE PLAN & DESIGN SPECS

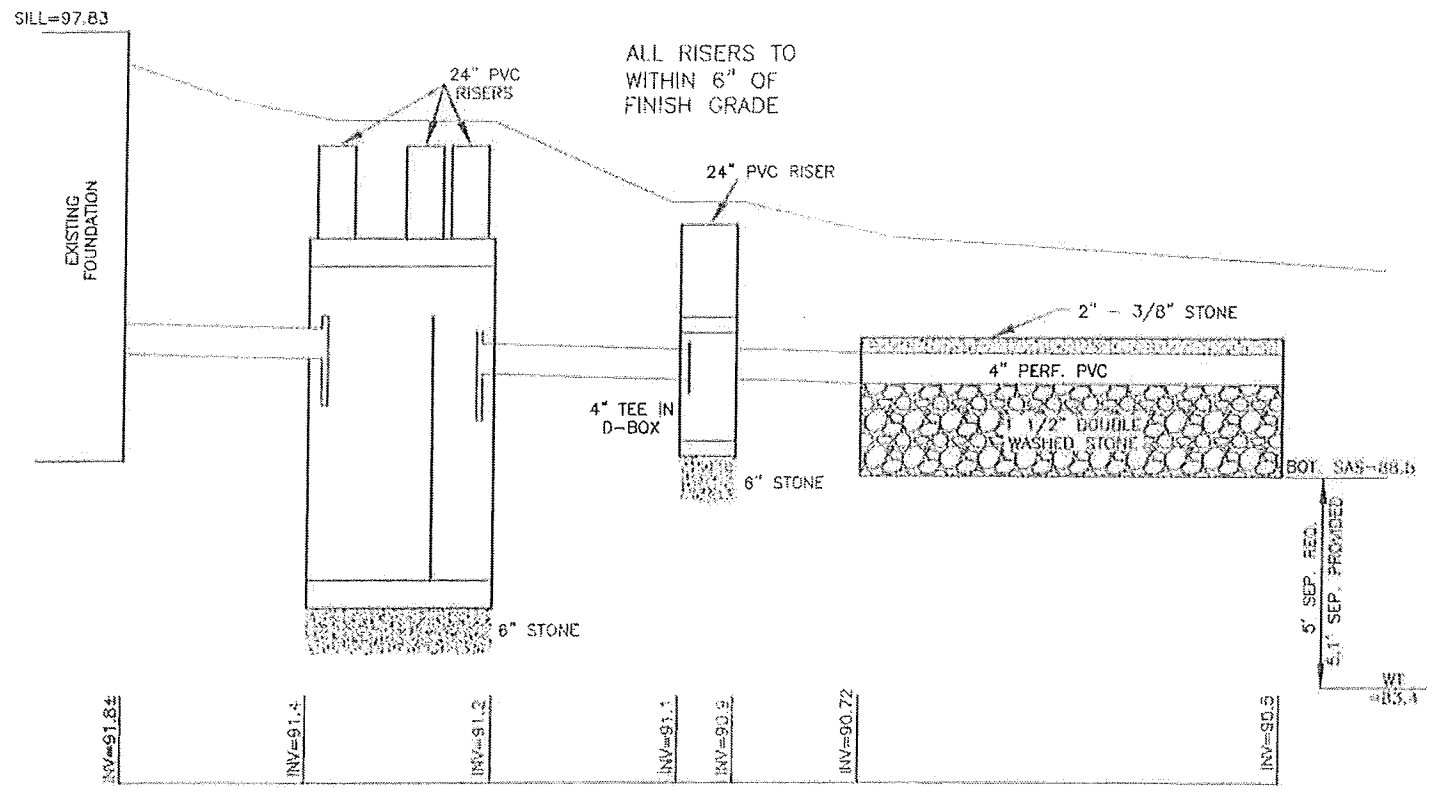
NORFOLK ENGINEERING
DESIGNED BY A.R.Q.
CHECKED BY M.V.

SHEET 1 OF 3

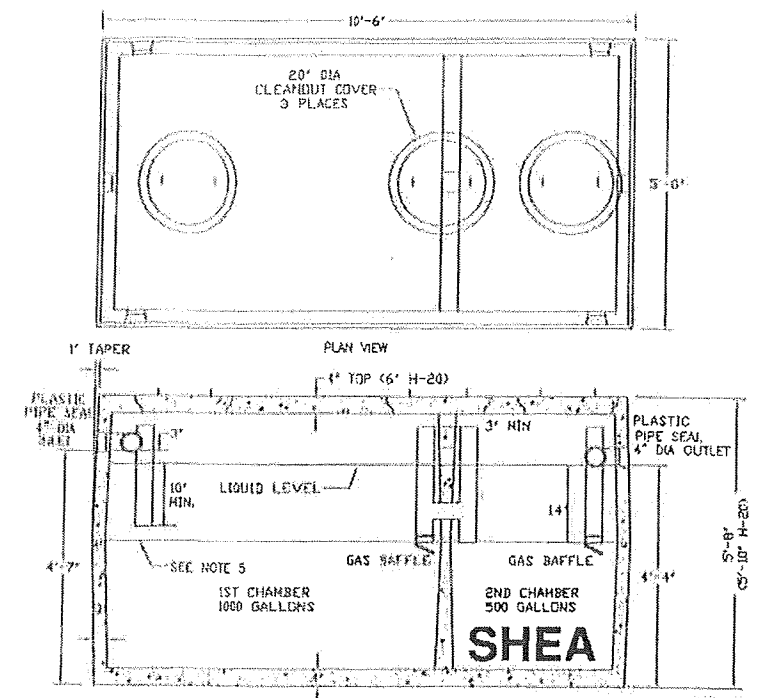
8/10/20



Note: All system components shall be marked with magnetic marking tape or a comparable means in order to locate them once buried.



SYSTEM PROFILE
N.T.S.



ITEM NO.	TK-1500	STANDARD	WEIGHT
	TK-1500	H-20	11,070#
	TK-1500ZC	STANDARD	12,030#
	TK-1500ZCH	H-20	14,305#

- NOTES:
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS
 2. DESIGN CONFORMS WITH 310 CMR 15.00, DEP TITLE 5 REGS. FOR SEPTIC TANKS.
 3. ALL REINFORCEMENT PER ASTM C1227-93.
 4. BAFFLE WALL OPTIONAL FOR TWO COMPARTMENT TANKS.
 5. TEES AND GAS BAFFLE SOLD SEPARATELY.
 6. TONGUE & GROOVE JOINT SEALED WITH BUTYLE RESIN.
 7. ALSO AVAILABLE IN H-20 LOADING.

SEPTIC TANK
1500 GALLON

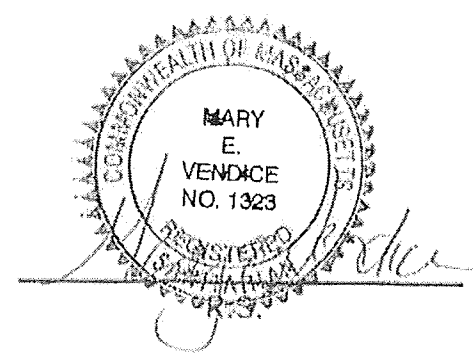
*FILL, A & B LAYERS TO BE REMOVED IN 5' L.O.E.

SOILS DATA 8/4/20

TP-1		
0		94.4
20"	FILL	92.7
24"	A-SANDY LOAM 10YR2/2	92.4
42"	Bw-SANDY LOAM 10YR5/6	90.9
72"	C1-SAND 5Y6/2	88.4
132"	C2-SAND 5Y5/2	83.4

SOIL EVALUATED BY ETHAN MASCOOP
WITNESSED BY KEVIN DUQUETTE - FOXBORO BOH
DESIGN WT = 132" (83.4)

PERCOLATION TEST		
Date: 8/4/20		
Observation Hole #	1	
Depth of Perc	61"	
Start Pre-soak	9:05	
Time at 12"		
Time at 11"		
Time at 10"		
Time at 9"		
Time at 8"		
Time at 7"		
Time at 6"		
Rate (min./inch)	<2	

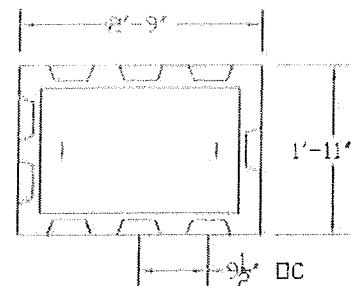


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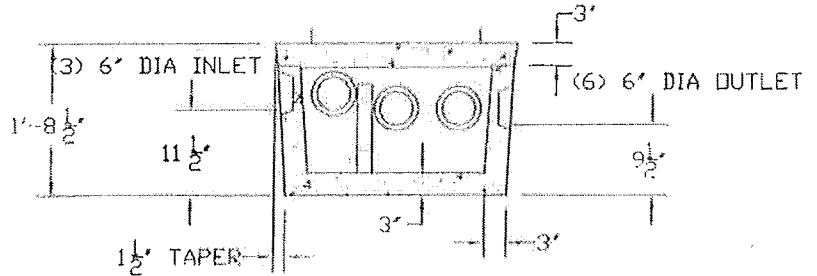
PROFILE & SOIL DATA

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SHEET 2 OF 3 8/10/20



PLAN VIEW



SECTION VIEW

6 OUTLET BAFFLE BOX
OR APPROVED EQUAL
NOT TO SCALE

DISPOSAL SYSTEM DESIGN

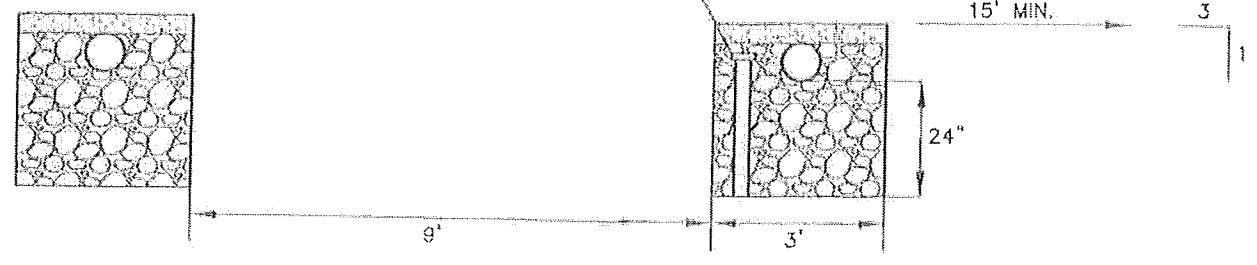
DESIGN PARAMETERS

NO. OF BEDROOMS = 3
 DESIGNED FOR 4 BEDROOMS W/ GARBAGE GRINDER
 DESIGN FLOW = 4 X 110 = 440 GPD
 DESIGN PERCOLATION RATE = 2 M.P.I.
 EFFLUENT LDG RATE = 0.74 GPD/S.F.
 PUBLIC WATER

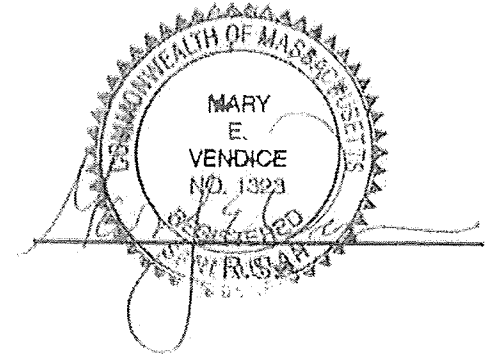
DESIGN CALCULATIONS

LEACHING AREA REQUIREMENTS: $440 / .74 + 50\% = 892$ S.F.
 USE 3 TRENCHES 36" WIDE X 24" DEEP PROVIDING
 7.0 S.F./L.F.
 892 S.F./ 7.0 S.F./L.F. = 128 L.F. REQUIRED
 USE 3 TRENCHES 44' LONG = 132 L.F.—OK

PERFORATED OBSERVATION PIPES SHALL BE INSTALLED TO THE BOTTOM LEACHING INTERFACE OF ALL SEGMENTS OF THE LEACHING AREA. PIPES TO BE ANCHORED AND SHALL EXTEND TO WITHIN 3" OF FINISH GRADE WITH A SCREW CAP.



TRENCH SECTION
N.T.S.



GENERAL NOTES:

1. Required fee has been paid.
2. The house is a single family dwelling.
3. DELETED.
4. Components not to be backfilled or concealed without inspection or approval from the Board of Health.
5. An "as-built" plan will be submitted to the Board of Health with the engineer's certification of construction, as required by the Board of Health.
6. Installer shall submit a certification of construction to the Board of Health.
7. Vehicular traffic, parking of vehicles, stockpiling of materials and storage of equipment over the leaching area is prohibited at all times.
8. Stake and flag system area from date of installation until Certificate of Compliance has been issued.
9. Project lies in a nitrogen sensitive area.
10. There are no bordering vegetated wetlands within 150 feet of the project except as shown.
11. There are no inland banks within 150 feet of the project except as shown.
12. There are no known surface waters within 150 feet of the project except as shown.
13. There are no known wetlands bordering a surface water supply or tributaries within 150 feet of the project except as shown.
14. There are no known surface drains within 150 feet of the project except as shown.
15. There are no known open, surface or subsurface drains which intercept high groundwater within 150 feet of the project except as shown.
16. There are no other open, surface or subsurface drains within 150 feet of the project except as shown.
17. There are no known foundation drains except as shown.
18. There are no known vernal pools within 100 feet of the project except as shown.
19. There are no known storm drainage leaching catch basins or dry wells except as shown.
20. There are no known boundaries of regulatory floodways except as shown.
21. There are no known boundaries of the 100 year flood limit except as shown.
22. There are no known industrial or other prohibited waste waters associated with the property.
23. There are no known wells within 200 feet of the project except as shown.

SYSTEMS IN FILL

1. Fill material for systems constructed in fill shall consist of select on-site or imported material. The fill shall not contain any material larger than two inches. The fill shall be composed of clean granular sand, free from organic matter and deleterious substances, graded so not more than 5% of the sample is retained in a #4 sieve. Of that passing, 20% or less shall pass a #100 sieve and 5% or less shall pass the #200 sieve. Not more than 90% shall be retained on the #50 sieve. The sample for sieve analysis shall be taken from fill "in place".
2. The bottom surface of the excavation to be refilled shall be dry and scarified prior to refilling. Dewater as required to provide a dry bottom. Do not place fill during rain or snow storms.
3. Fill to be stockpiled at edge of excavation and pushed or cast inward over excavated area.

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