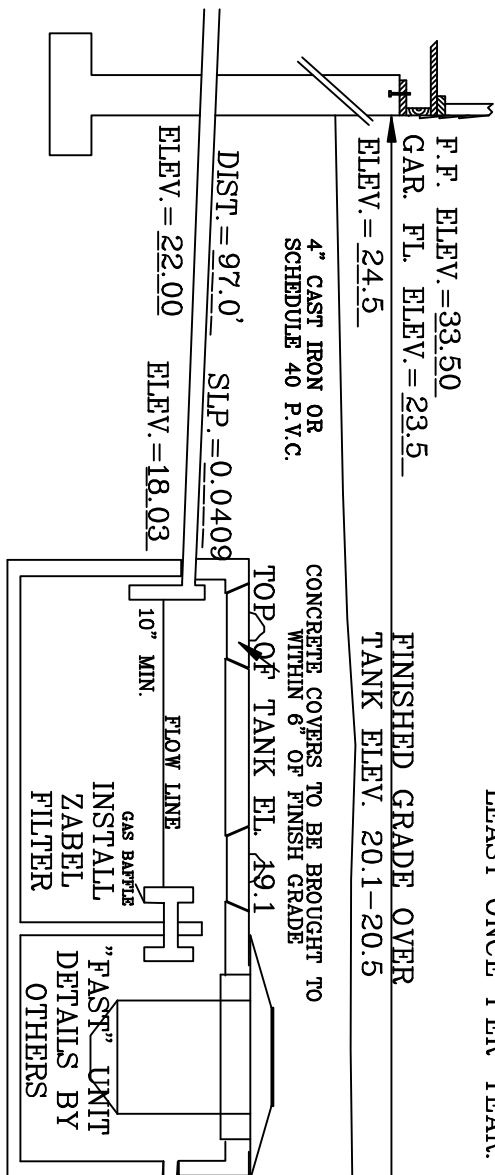
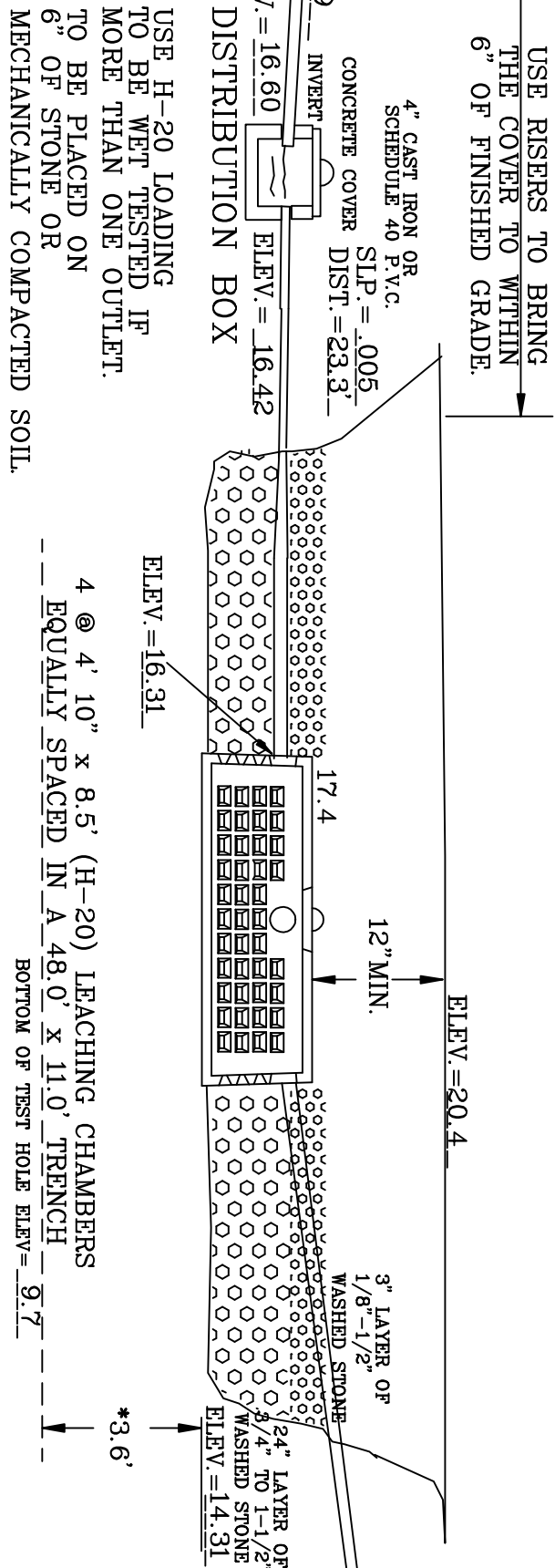


THE ZABEL FILTER
SHALL BE INSPECTED
AND MAINTAINED AT
LEAST ONCE PER YEAR.



USE RISERS TO BRING THE COVERS
TO WITHIN 6" OF FINISHED GRADE.
TO BE USED AS OBSERVATION PORTS.



PROFILE OF SEWAGE DISPOSAL SYSTEM

NOT TO SCALE

*NOTE: A TEST HOLE SHALL BE
DONE AT THE TIME OF INSTALLATION
TO ENSURE 5' OF SUITABLE MATERIAL
EXISTS UNDER THE S.A.S.

GENERAL NOTES:

- THIS PLAN IS FOR THE CONSTRUCTION OF A NEW SEWAGE DISPOSAL SYSTEM.
- PLAN REFERENCE Bk 252 Pg 21 LOT B BARNSTABLE REG. OF DEEDS.
- THIS PLAN IS FOR THE INSTALLATION/REPAIR OF SEPTIC SYSTEM AND NOT TO BE USED FOR SURVEYING AND ZONING PURPOSES.
- ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO D.E.P. TITLE 5 AND THE TOWN OF BOURNE RULES AND REGULATIONS FOR THE SUBSURFACE DISPOSAL OF SEWAGE.
- ALL COVERS TO SANITARY UNITS SHALL BE BROUGHT TO WITHIN 6" OF THE FINISHED GRADE.
- EXISTING AND FINAL GRADES SHALL REMAIN ESSENTIALLY THE SAME, UNLESS NOTED BY FINAL CONTOURS.
- ALL COMPONENTS OF THE SANITARY SYSTEM SHALL BE CAPABLE OF WITHSTANDING H-10 LOADING UNLESS THEY ARE UNDER OR WITHIN 10' OF DRIVES OR PARKING AREAS. H-20 LOADING SHALL BE USED UNDER OR WITHIN 10' OF DRIVES OR PARKING AREAS UNLESS NOTED.
- ANY MASONARY UNITS USED TO BRING COVERS TO GRADE SHALL BE MORTARED IN PLACE.
- NO DETERMINATION HAS BEEN MADE AS TO COMPLIANCE WITH DEDED OR ZONING REGULATIONS. OWNER/APPLICANT IS TO OBTAIN SUCH DETERMINATION FROM APPROPRIATE AUTHORITY.
- THE EXCAVATOR/CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY EXCAVATION.
- UNTIL APPROVAL FROM THE BOARD OF HEALTH IS GRANTED, THIS PLAN IS SUBJECT TO CHANGE.
- ALL ELECTRICAL WORK SHALL BE DONE BY A LICENSED ELECTRICIAN.
- ALL DETAILS OF THE "FAST" SYSTEM INSTALLATION ARE INCLUDED IN THE ATTACHED DOCUMENTS PROVIDED BY BIO-MICROBICS.

TEST HOLE 1

DEPTH	HORIZON	TEXTURE	COLOR	MOTT.	OTHER
0"-25"	FILL(HTM)				
25"-30"	OLD O/A				
30"-56"	B	LOAMY SAND	10YR 5/8		
56"-85"	C1	C. SAND	10YR 5/4		COBBLES
85"-124"	C2	MED. SAND	10YR 7/3		NO H2O ENC'D

SOIL TEST DONE BY: J.E. LANDERS-CAULEY P.E.
WITNESSED BY: KATLYN SHEA
PERCOLATION RATE: 2 MIN/INCH P# NONE
DATE: 01/11/21 ELEV. 20.0

TEST HOLE 2

DEPTH	HORIZON	TEXTURE	COLOR	MOTT.	OTHER
0"-20"	FILL(HTM)				
20"-23"	OLD O/A				
23"-54"	B	LOAMY SAND	10YR 5/8		
54"-86"	C1	C. SAND	10YR 5/4		COBBLES
86"-120"	C2	M-F SAND	10YR 7/3		NO H2O ENC'D

DESIGN DATA:

I CERTIFY THAT I AM CURRENTLY APPROVED BY THE
DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT
TO 310 CMR 15.017 TO CONDUCT SOIL EVALUATIONS
AND THAT THE ANALYSIS GIVEN HAS BEEN PERFORMED
BY ME CONSISTENT WITH THE REQUIRED TRAINING,
EXPERTISE, AND EXPERIENCE DESCRIBED IN 310 CMR
15.017. I FURTHER CERTIFY THAT THE RESULTS OF
MY SOIL EVALUATION, AS INDICATED ON THE ATTACHED
SOIL EVALUATION FORM, ARE ACCURATE AND IN
ACCORDANCE WITH 310 CMR 15.000 THROUGH 15.017.

NUMBER OF BEDROOMS 5 (FIVE)

GARBAGE DISPOSAL NONE (0)

TOTAL ESTIMATED FLOW 550 GPD
(110 GAL./BR./DAY X 5 BR.)

SEPTIC TANK CAPACITY 1,000/500

LEACHING AREA REQUIREMENTS

SIDEWALL AREA 236.00 S.F.
BOTTOM AREA 528.00 S.F.

LEACHING CAP.(BOT. & SIDEWALL) 565.36 GAL.

RESERVE LEACHING CAPACITY N/A GAL.

NOTE: THE TOWN OF BOURNE REQUIRES THE ENGINEER TO INSPECT AND LOCATE ALL SEPTIC COMPONENTS,
INCLUDING INVERTS, AFTER THEY HAVE BEEN INSTALLED AND BEFORE THEY ARE BACKFILLED.