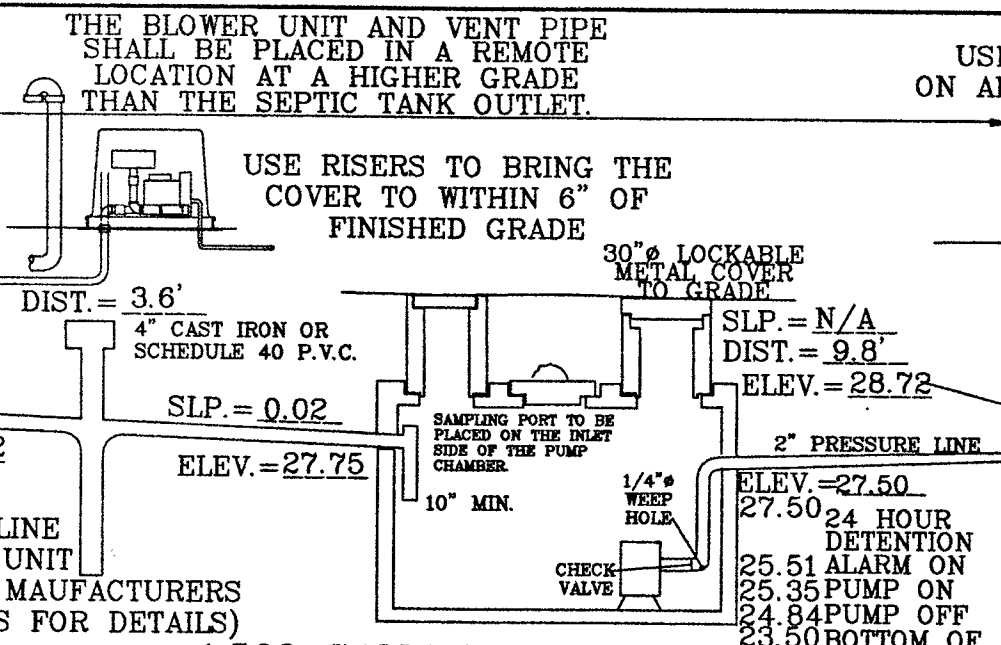


USE RISERS TO BRING THREE 20"Ø COVERS TO GRADE WITH LOCKING COVERS. AN EFFLUENT FILTER (ZABEL OR EQUIVALENT) SHALL BE INSTALLED. THE FILTER SHALL BE INSPECTED AND CLEANED A MINIMUM OF ONCE A YEAR.

1,500 GALLON PARTITIONED SEPTIC TANK TO BE PLACED ON 6" OF STONE OR MECHANICALLY COMPACTED SOIL. USE A TANK MANUFACTURED TO ACCEPT A "FAST" DENITRIFICATION UNIT. REFER TO WIGGIN PRECAST CUT SHEET FOR SPECIFICATIONS OF TANK MANUFACTURED TO ACCEPT MICRO-FAST .9 (H-20)



THE BLOWER UNIT AND VENT PIPE SHALL BE PLACED IN A REMOTE LOCATION AT A HIGHER GRADE THAN THE SEPTIC TANK OUTLET.

USE RISERS TO BRING THE COVER TO WITHIN 6" OF FINISHED GRADE

1,500 GALLON PUMP CHAMBER TANK (INSIDE) TO BE PLACED ON A MIN. OF 6" OF STONE AND MECHANICALLY COMPACTED COPY. USE ORENCO PSE50 OR APPROVED EQUIVALENT PUMP. USE H-20 LOADING

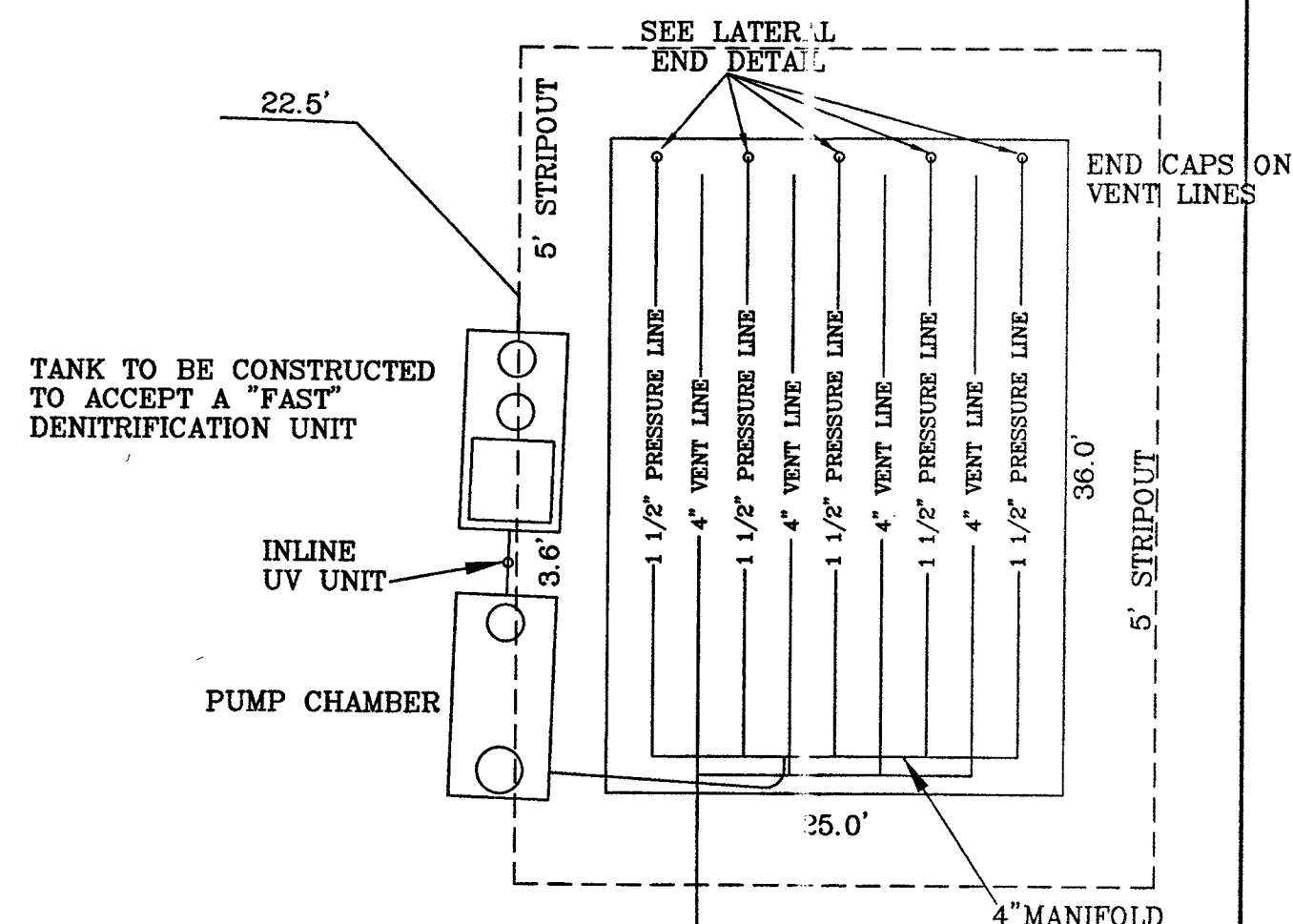
USE SCHEDULE 80 PVC PIPE ON ALL PIPING AFTER THE PUMP.

PROFILE OF SEWAGE DISPOSAL SYSTEM

NOT TO SCALE

TOP VIEW OF LEACHING FIELD

NOT TO SCALE



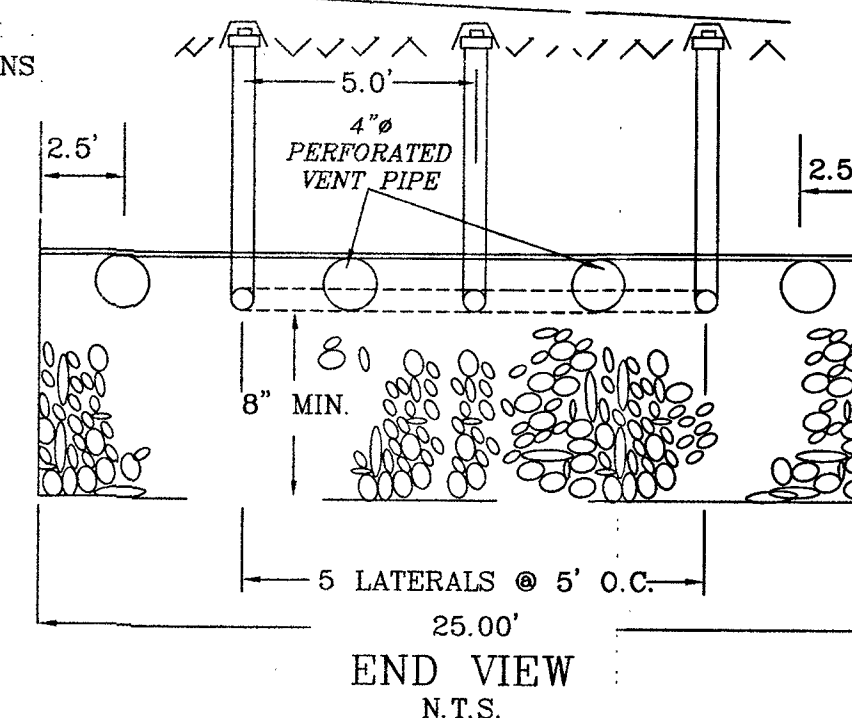
TANK TO BE CONSTRUCTED TO ACCEPT A "FAST" DENITRIFICATION UNIT

INLINE UV UNIT
PUMP CHAMBER

3' x 3' CONCRETE PAD FOR BLOWER UNIT
VENT PIPE WITH CARBON FILTER OR APPROVED EQUIVALENT

GENERAL NOTES:

- THIS PLAN IS FOR THE REPLACEMENT OF AN EXISTING SEWAGE DISPOSAL SYSTEM (GROUND SLOPED AT 2% TO PREVENT PONDING OVER SYSTEM)
- PLAN REFERENCE LOT 27 (ASS) BARNSTABLE REG. OF DEEDS.
- THIS PLAN IS FOR THE INSTALLATION /REPLACEMENT 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 DEEDED 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.
- NO D-BOX IS TO BE USED. SYSTEM IS TO USE A MANIFOLD.

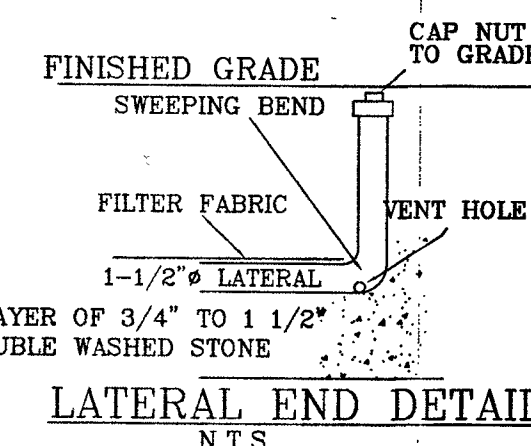


SOIL TEST DONE BY: JACK LANDERS-CAULEY P.E.
WITNESSED BY: TERRI GUARINO
PERCOLATION RATE: 5 MIN/INCH P# NONE
TEST HOLE 1 DATE: 12/21/21 ELEV. 31.2

DEPTH	HORIZON	TEXTURE	COLOR	MOTT.	OTHER
0"-16"	FILL				
16"-24"	O/A	LOAM	10YR 3/3		
24"-48"	B	SANDY LOAM	10YR 5/8		
48"-72"	C1	LOAMY SAND	10YR 7/4		
72"-132"	C2	MED. SAND	2.5Y 6/4		NO H2O ENC'D

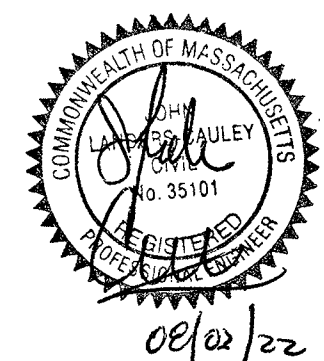
TEST HOLE 2 DATE: ELEV.

DEPTH	HORIZON	TEXTURE	COLOR	MOTT.	OTHER



DESIGN DATA:
NUMBER OF BEDROOMS 6 (SIX)
GARBAGE DISPOSAL NONE (0)
TOTAL ESTIMATED FLOW 660 GPD
(110 GAL./BR./DAY X 6 BR.)
SEPTIC TANK CAPACITY 1,500
LEACHING AREA REQUIREMENTS
SIDEWALL AREA 0 S.F.
BOTTOM AREA 900 S.F.

LEACHING CAP. (BOT. & SIDEWALL) 666.00 GAL
RESERVE LEACHING CAPACITY 667.18 GAL



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