



**SECTION VIEW - SEPTIC SYSTEM COMPONENTS ( N. T. S. )**

**DEEP OBSERVATION HOLE LOG**

SOIL EVALUATOR: A. CABRAL  
DATE: 11-13-2003 HEALTH DEPT. WITNESS: J. CROWLEY

DEPTH	LOWEST ELEVATION	HORIZON	TEXTURE	STRUCTURE	MOTTLING	CONSISTENCE
0.0'	44.33'	A	LOAMY SAND	NO	NO	LOOSE
0.67'						
2.5'	42.5'	B	LOAMY SAND	NO	NO	LOOSE
12.0'	33.0'	C	MEDIUM-COARSE SAND PERC @ 5' < 2 MIN/IN	NO	NO	LOOSE

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DEPTH	LOWEST ELEVATION	HORIZON	TEXTURE	STRUCTURE	MOTTLING	CONSISTENCE
0.0'	44.0'	A	LOAMY SAND	NO	NO	LOOSE
1.0'						
3.0'	42.0'	B	LOAMY SAND	NO	NO	LOOSE
11.5'	33.5'	C	MEDIUM-COARSE SAND PERC @ 4.5' < 2 MIN/IN	NO	NO	LOOSE

**GENERAL NOTES**

- ALL CONTRACTORS AND/OR INSTALLERS ARE RESPONSIBLE FOR PROVIDING AND MAINTAINING A SAFE WORK AREA.
- CONTRACTORS AND/OR INSTALLERS: VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
- CONTRACTORS AND/OR INSTALLERS: VERIFY ALL WASTE LINE LOCATIONS PRIOR TO CONSTRUCTION.
- CONSTRUCTION DETAILS TO BE IN ACCORDANCE WITH STATE SANITARY CODE 310 CMR 15.000 AND TOWN BOARD OF HEALTH REQUIREMENTS.
- ELEVATION DATUM IS FROM  U.S.G.S. QUAD. MAP.  N.C.V.D.
- MUNICIPAL WATER IS AVAILABLE  YES  NO
- ANY ALTERATIONS TO DESIGN MUST BE APPROVED BY FELCO, INC. AND TOWN BOARD OF HEALTH.
- ALL EXISTING SEWAGE TO BE PUMPED AND FILLED WITH CLEAN MEDIUM SAND.
- SEPTIC TANKS, DOSING CHAMBERS, GREASE TRAPS, AND DISTRIBUTION BOXES SHALL BE INSTALLED WATERTIGHT.
- WHEN SEPTIC TANK DOSING CHAMBERS, GREASE TRAPS, AND DISTRIBUTION BOXES ARE PLACED IN FILL, PROVIDE A LEVEL STABLE BASE WHICH HAS BEEN MECHANICALLY COMPACTED. VIRGIN GROUND WITH A 6" CRUSHED STONE BASE IS OTHERWISE ADEQUATE.
- GROUND COVER OVER SEPTIC SYSTEM COMPONENTS SHALL NOT EXCEED 36".
- WHEREVER SEWER LINES MUST CROSS WATER SUPPLY LINES, BOTH PIPES SHALL BE CONSTRUCTED OF CLASS 150 PRESSURE PIPE OR EQUIV. AND SHALL BE PRESSURE TESTED TO ASSURE WATERTIGHTNESS.

**DESIGN**

FLOW DETERMINATION  2 BEDROOM DWELLING  
GARBAGE GRINDER  NO  YES  
FLOW RATE = 330 GAL/DAY  
SEPTIC TANK SIZING:  
330 x 2.0 = 660 GAL/DAY  
USE: 1,500 GAL  
LEACHING FACILITY CALCULATIONS:  
PERCOLATION RATE IS < 5 MIN/INCH  1 CLASS  
SIDEWALL = 160 x 0.74 = 340.4 GAL/DAY (S.F.)  
BOTTOM = 300 (S.F.)  
USE: (3) 4.8' x 8.3' LEACH CHAMBERS  
W/ STONE AS SHOWN IN DETAIL  
= 30' LONG x 10' WIDE x 2' DEEP

**CONSTRUCTION NOTES**

**FELCO, INC.**  
ENGINEERING - LAND SURVEYING

JOB No : 02091	NAME : SANDBLOW
DATE : 11-14-2003	SHEET 2 OF 2
REVISIONS :	