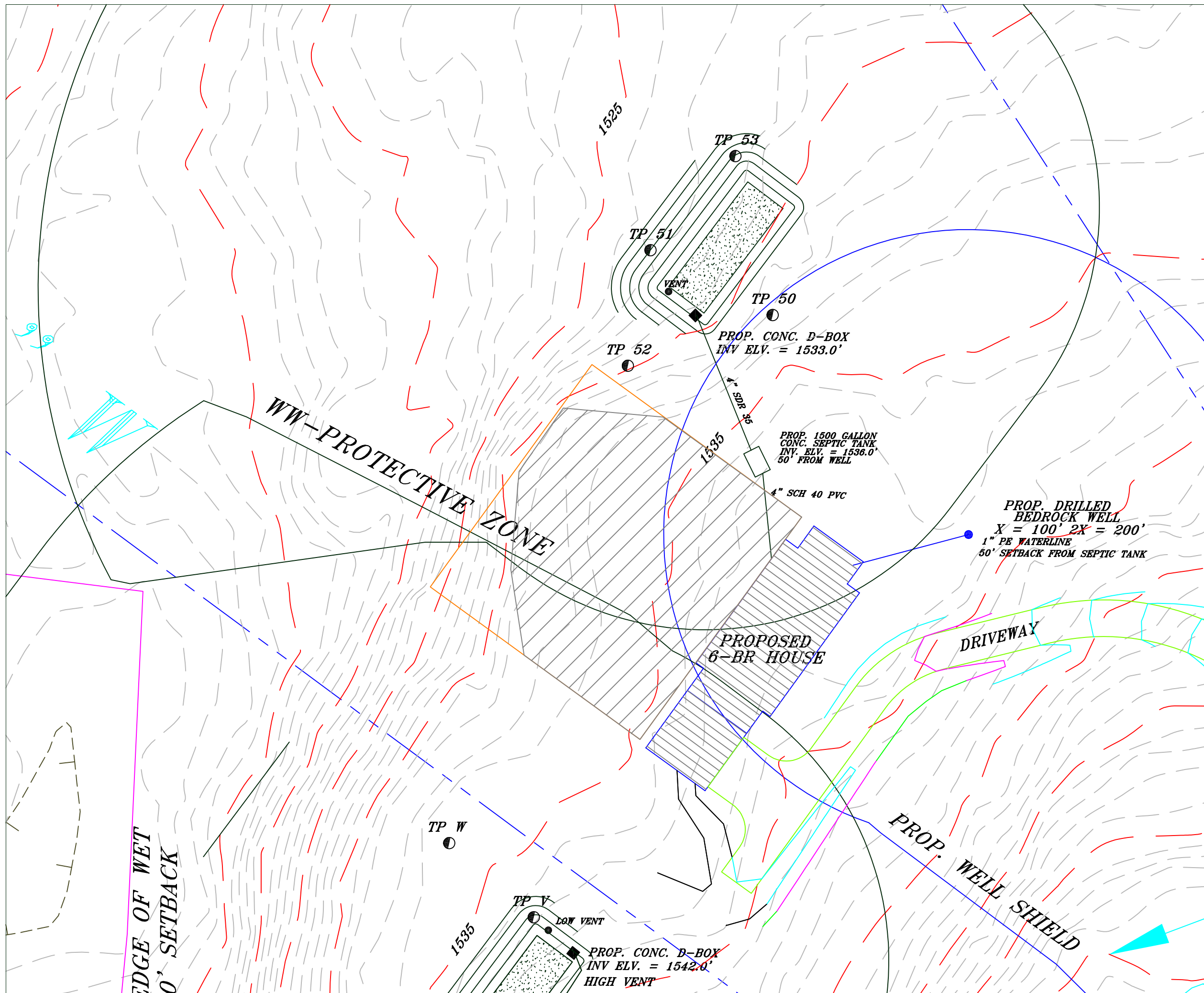




PRESBY DESIGN NOTES:

1.
TABLE B
SOIL: FINE SANDY LOAM
STRUCTURE: SBK
APP APP RATE: 1.0 GPD/FT²
EQUIC PERC RATE: 17-24 MIN/INCH

2.
TABLE A
APP RATE: 1.0 GPD/FT²
BEDROOMS: 6
LINEAR FEET: 315

3.
TABLE B SAND REQUIREMENT
BEDROOMS: 6
DESIGN FLOW: 630
APP RATE: 1.0
FT² REQUIRED: 630

4.
ROW LENGTH 40'
ROWS: 8
WIDTH: 11.5'

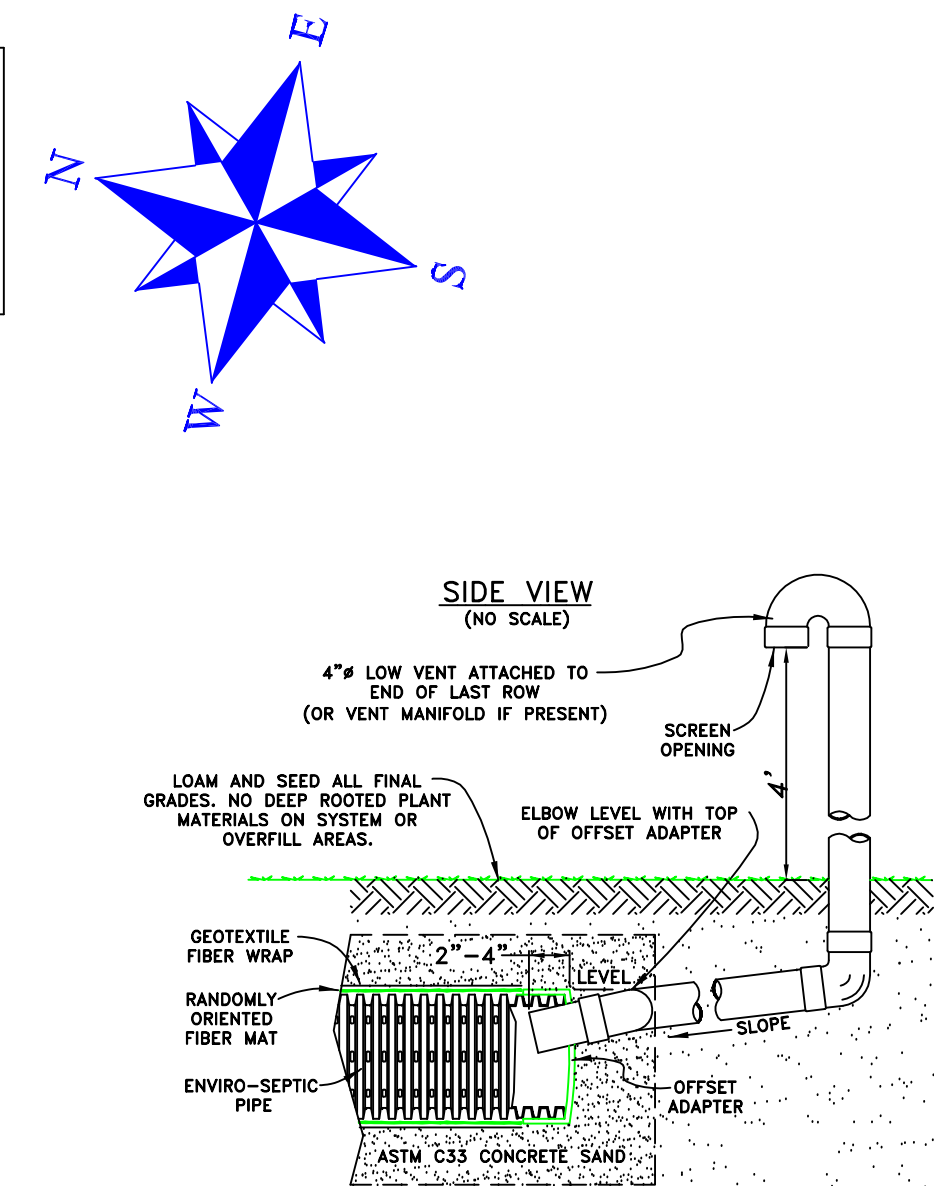
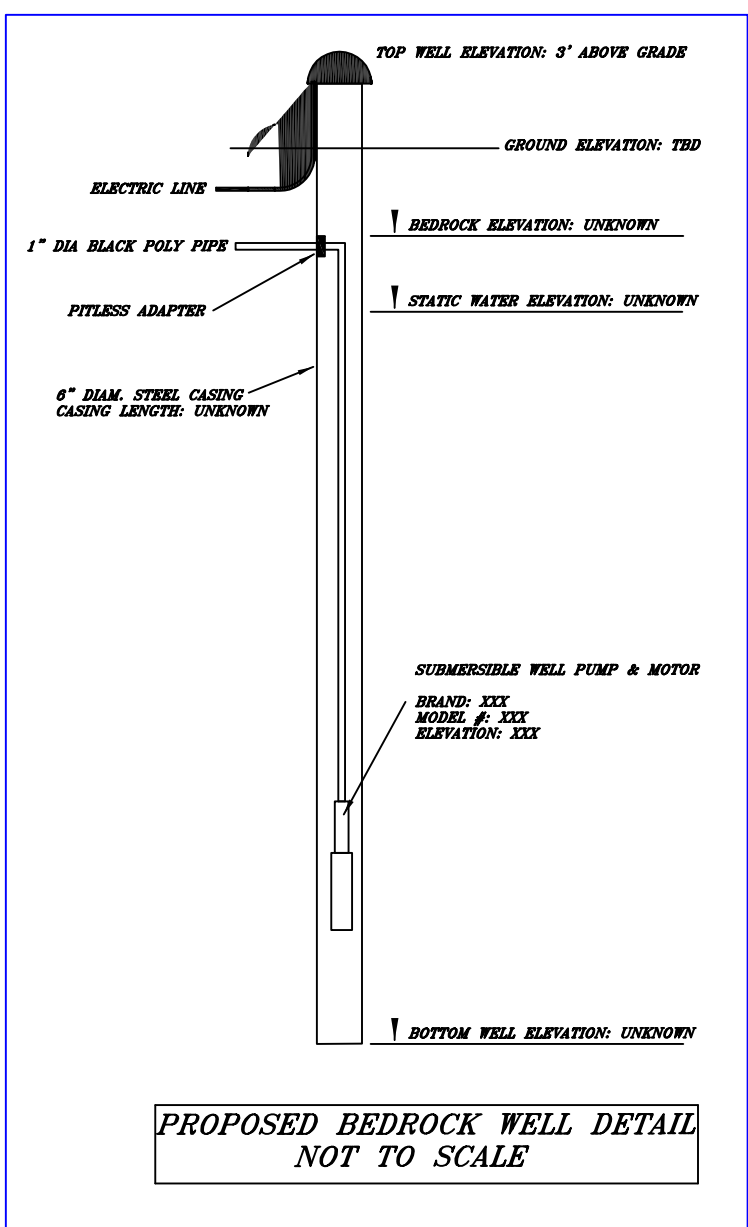
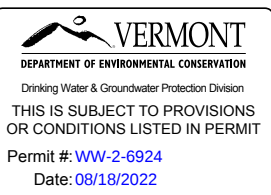
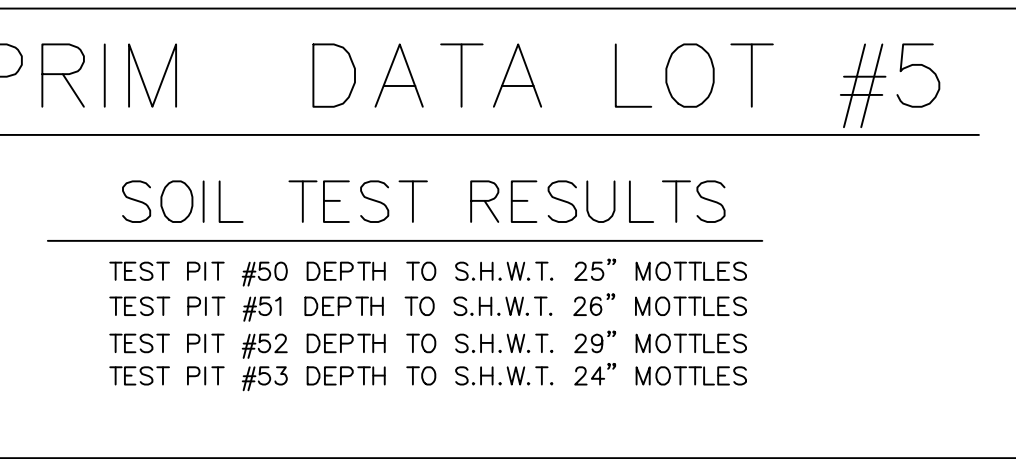
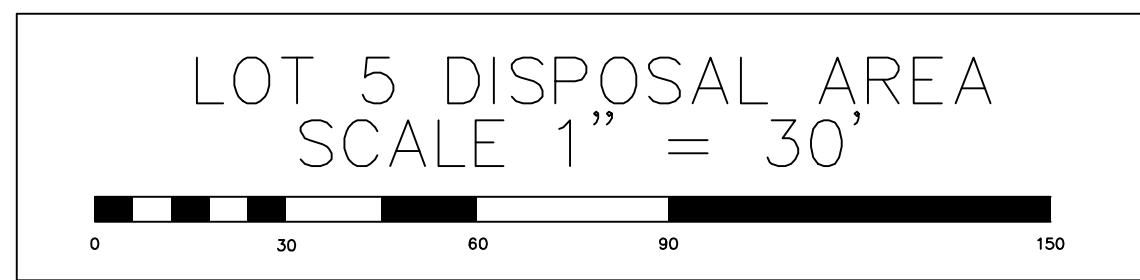
5.
BED LENGTH 40' + 2' = 42'
BED WIDTH 11.5' + 2' = 13.5'

6.
630 FT² / 42' = 15.00'
ADD 3.0' SYSTEM SAND EXTENSION
42' X 16.5' = 693 FT²

SYSTEM SIZE:
BED SIZE: 43' X 14.5'
SYSTEM EXTENSION: 3.0'

DESKTOP HYDRO STUDY(LOT #5)

DEPTH TO RESTRICTIVE LAYER = 24"
EFFLUENT MOUNDING = 6"
AVERAGE SLOPE = 16%
SOIL TEXTURE = FINE SANDY LOAM
H = 24" - 6" = 18" = 1.50 FT.
F = 26.2 (FROM CHART)
LINEAR LOADING RATE = LLR = H X F
LLR = (1.5FT.X26.2) = 39.3 G.P.D./FT.
630 G.P.D./39.3 G.P.D./FT. = 16.03 FT.
= MINIMUM LENGTH OF DISPOSAL AREA

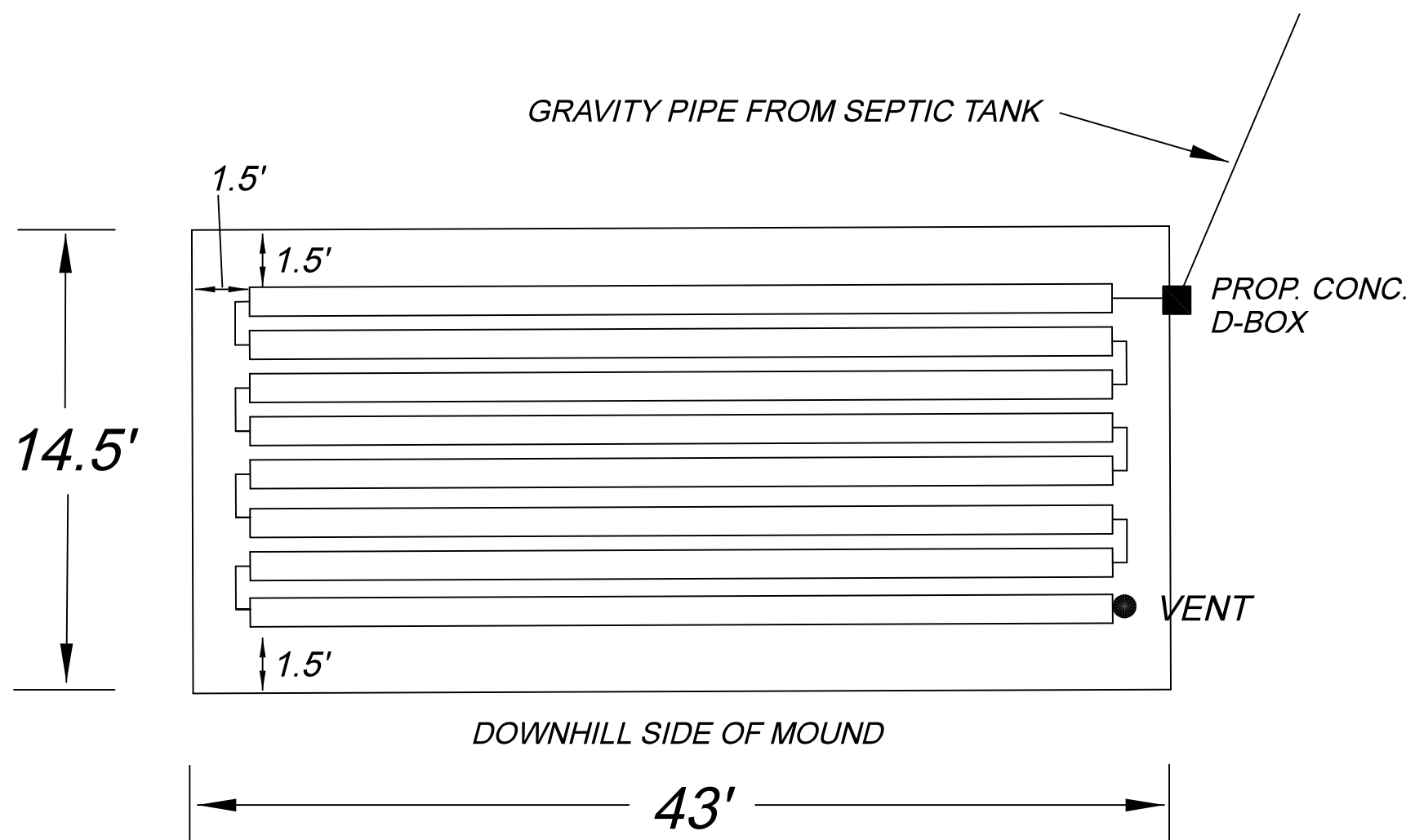
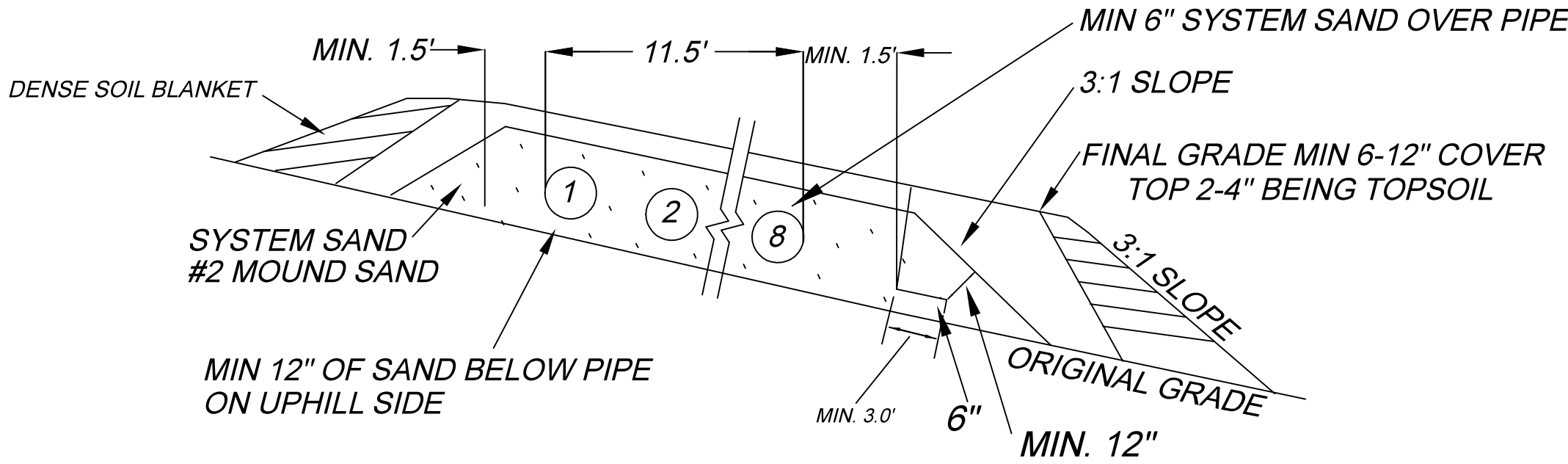


WATER TESTING NOTES:

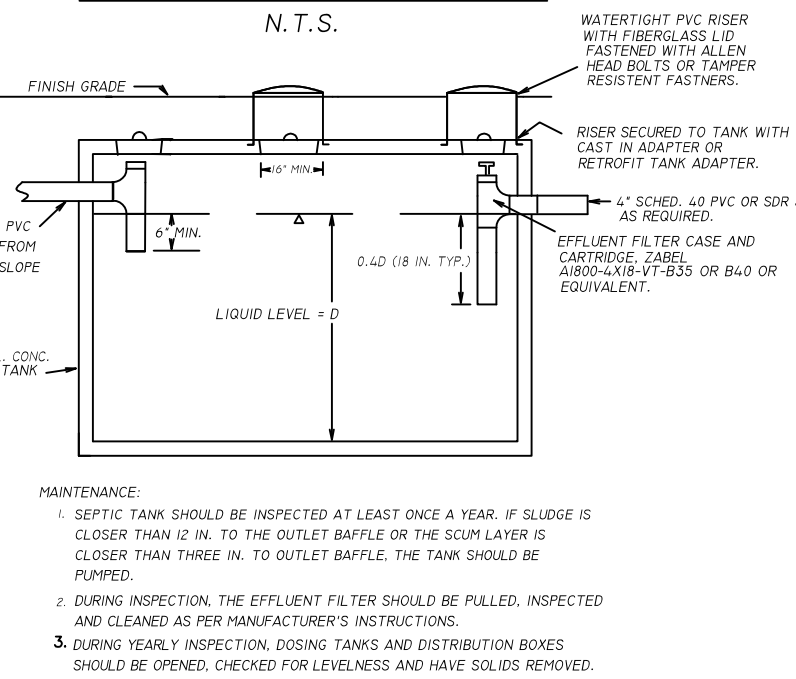
1. WATER SERVICE LINES AND WATER SERVICE PIPES SHALL BE PRESSURE TESTED AND LEAKAGE TESTED ACCORDING TO ONE OF THE FOLLOWING PROCEDURES PRIOR TO PLACING THE POTABLE WATER SUPPLY INTO SERVICE:
(1) VERMONT PLUMBING RULES;
(2) THE AWWA; OR
(3) BY PRESSURIZING THE LINES AND PIPES WITH WATER AT THE WORKING PRESSURE OF THE SYSTEM OF GREATER AND HOLD WITHOUT DROP IN PRESSURE FOR A MINIMUM OF 18 MINUTES.
2. DISINFECTION OF WATER SERVICE LINES AND WATER SERVICE PIPES SHALL BE COMPLETED PURSUANT TO THE REQUIREMENTS OF THE VERMONT PLUMBING RULES OR THE FOLLOWING METHOD:
(1) FILL THE WATER SERVICE LINE OR WATER SERVICE PIPE WITH A WATER/CHLORINE SOLUTION OF 100 MG/L; AND
(2) ALLOW THE CHLORINATED WATER TO REST IN THE WATER SERVICE LINE OR WATER SERVICE PIPE FOR A MINIMUM OF 24 HOURS BEFORE DISPOSING OF THE CHLORINATED WATER

EFFLUENT DISPOSAL AREA
CROSS SECTION - NOT TO SCALE

LENGTH OF ROWS: 40' EACH
NUMBER OF ENVIRO-SEPTIC LINES: 8
CENTER TO CENTER SPACING: 1.5'



PROPOSED SEPTIC TANK
SEPTIC TANK FILTER DETAIL



LOT 5 ELEVATIONS

pipe #	elev.
1	1531.00'
2	1530.80'
3	1530.60'
4	1530.40'
5	1530.20'
6	1530.00'
7	1529.80'
8	1529.60'

MOUND NOTES

1. HOOK LINES IN SERIES. MEANING EFFLUENT ENTERS FIELD WITH 1 INLET, RUNS TO 1 SERIES CONSISTING OF 8 ROWS OF 40'.
2. VENT IS CONNECTED AT END OF THE LAST ROW, AND CAN BE RUN UNDER GROUND ANYWHERE FOR AESTHETICS.
3. INSTALL MOUND ACCORDING TO PLANS, WHICH ARE SAME TECHNIQUES DESCRIBED IN PRESBY ENVIROMENTAL MANUAL.

ENVIROSEPTIC(PRESBY) NOTES

1. DESIGNER AND INSTALLER MUST BE CERTIFIED THROUGH PRESBY ENVIROMENTAL INC.
2. NO SYSTEM SHALL BE DESIGNED OR INSTALLED WITHOUT THIS PROPER CERTIFICATION.
3. WITH THE COMPLETION OF EACH INSTALLATION, A "SYSTEM INSTALLATION FORM" MUST BE COMPLETED AND MAILED DIRECTLY TO PRESBY ENVIROMENTAL, INC.

CONSTRUCTION NOTES

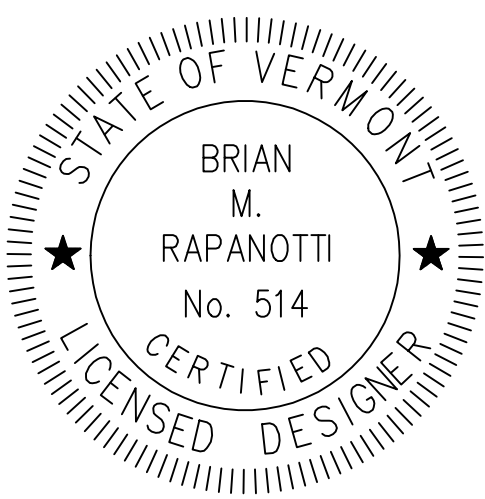
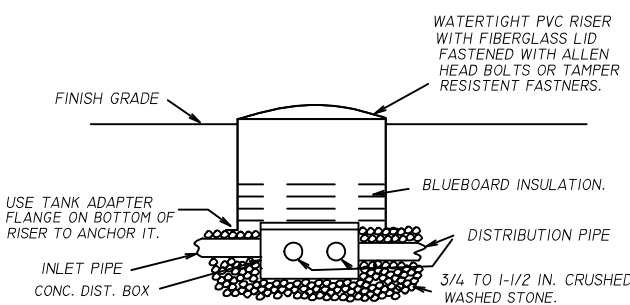
1. SCARIFY EXISTING SOIL, WHILE AVOIDING COMPACTING THE SOIL.
2. ADD THE SAND FILL ON THE SAME DAY THE LEACH AREA IS EXCAVATED.
3. DO NOT ALLOW WATER TO RUN INTO OR OVER THE SYSTEM DURING CONSTRUCTION.
4. SYSTEM SAND MUST BE TYPE 2 MOUND SAND ONLY, KNOWN AS CONCRETE SAND.

TYPE 2 MOUND SAND (ASTM SPECIFICATION C-33 SUCH AS "CONCRETE SAND")

U.S. SIEVE	OPENING (MM)	% PASSING BY WT.
4	4.75	95-100
8	2.50	85-100
16	1.19	50-85
30	0.60	25-60
50	0.297	10-30
100	0.149	2-10
200	0.075	0-2

CONCRETE DISTRIBUTION BOX WITH PVC RISER TO GRADE

1. SET CONC. DIST. BOX LEVEL ON BED OF 3/4" TO 1-1/2 IN. CRUSHED WASHED STONE.
2. ATTACH DISTRIBUTION PIPES AND SET TO PROPER GRADE.
3. USE WATER TO TEST FOR EVEN DISTRIBUTION OF EFFLUENT. PLACE LID ON DIST. BOX AND BRING LEVEL OF STONES UP TO TOP OF THE DIST. BOX.
4. USING RISER OF SUFFICIENT DIAMETER TO ALLOW DIST. BOX LID TO BE REMOVED. PLACE RISER WITH FLANGE ATTACHED ON STONES. BACKFILL BY HAND TO FINISH GRADE.
5. PLACE AT LEAST 6 IN. OF CLOSELY FITTED BLUEBOARD INSULATION IN RISER ON TOP OF DIST. BOX LID.



SHEET 2 OF 7

RAPANOTTI SEPTIC DESIGN

Lot 5

Little Pond Partners LLC
Andover Vermont

DATE	SCALE	PROJECT NO.
April. 27, 2022	AS NOTED	22-810
REVISIONS		
Jul. 24, 2022		

BRIAN RAPANOTTI
VERMONT LICENSED DESIGNER TYPE B #514
PO BOX 11, SPRINGFIELD, VT 05156
TEL. # 802-289-9917

"I hereby certify that the design-related information submitted with this application is true and correct, and that, in the exercise of my reasonable professional judgement, the design included in this application for a permit complies with the Vermont Wastewater System and Potable Water Supply Rules and the Vermont Water Supply Rules."

Brian Rapanotti