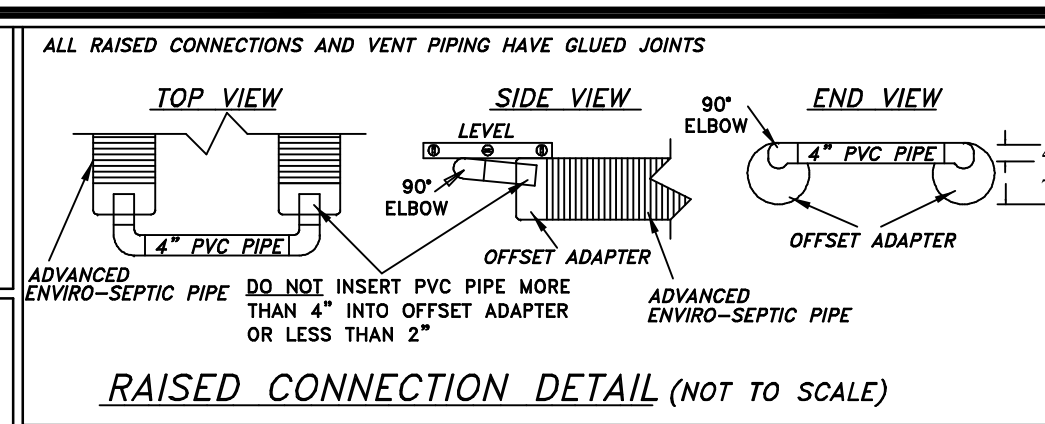


SAND AND FILL REQUIREMENTS:
ALL CONFIGURATIONS OF ENVIRO-SEPTIC REQUIRE A MINIMUM OF 6" OF APPROVED SEPTIC SAND (SEE "SEPTIC SAND CONTINUED") SURROUNDING THE CIRCUMFERENCE OF THE PIPE. ALL OTHER FILL MATERIAL ABOVE THE SEASONAL HIGH GROUND WATER TABLE IMPERVIOUS SUBSTRATUM OR TO PROVIDE THE REQUIRED SAND AREA FOR A GIVEN SYSTEM CONFIGURATION SHALL BE CLEAN BANK RUN SAND, FREE FROM TOPSOIL, HUMUS, ORGANICS, DEBRIS, OR STONES LARGER THAN 6" IN ANY DIMENSION.

SEPTIC SAND CONTINUED:
ASTM C-33 (CONCRETE SAND) WITH 3% OR LESS PASSING A #200 SIEVE CAN BE USED AS SYSTEM SAND.

SEIVE SIZE	% RETAINED ON SIEVE (BY WEIGHT)
#4 (37.5MM)	0
#10 (2.0MM)	0-35
#30 (0.60MM)	40-90
#60 (0.25MM)	100

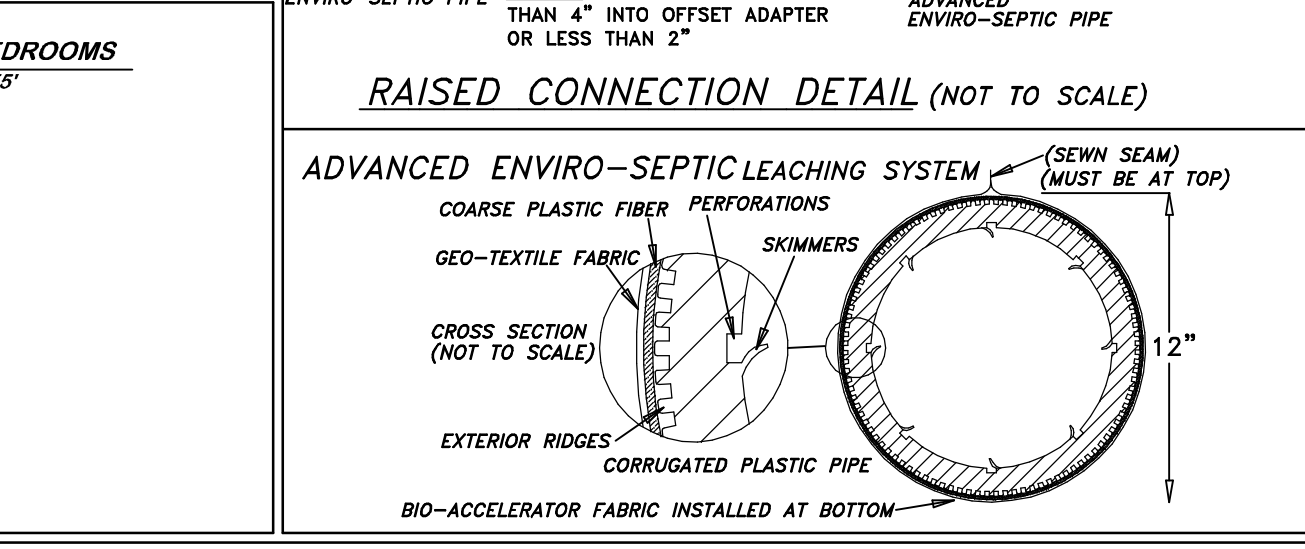
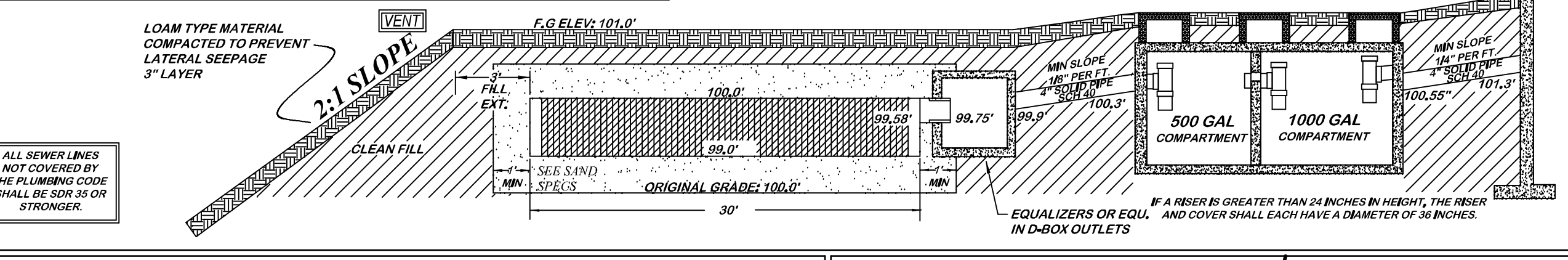
NOT MORE THAN 3% ALLOWED TO PASS THE #200 SIEVE (VERIFIED BY WASHING SAMPLE PER REQUIREMENTS OF ASTM C-117)



NOTE:
Wellands were delineated per Env-Wq 1014.06 in accordance with RSA 482-A and Env-Wq 100 et. seq.

NOTE:
N.H.D.E.S. as ITA approval #2010-07-01 in accordance with Part Env-Ws 1024. The System is Designed in accordance with the Enviro-Septic leaching systems design and installation manual. System shall be installed in accordance with the Enviro-Septic leaching systems design and installation manual and Env-Wq 1000 Rules.

Please review most current Presby Environmental Design and Installation Manual for questions. Recommends installer be Presby Certified.



DESIGN INTENT
"The bottom of the bed shall be constructed at 98.0' elevation"; and "The elevation of the high contour of the designed bed is: approximately 1.0 feet below existing ground level".

TEST PIT LOG
DATE: 10-4-2021
SOIL TYPE: 36C ADAMS LOAMY SAND

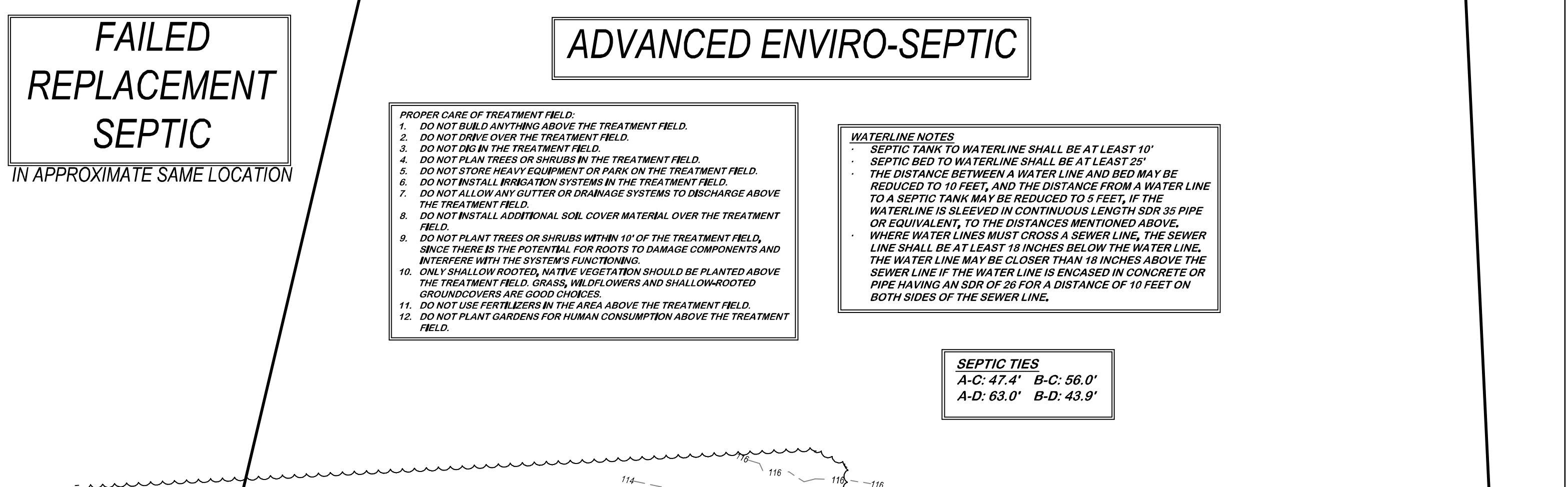
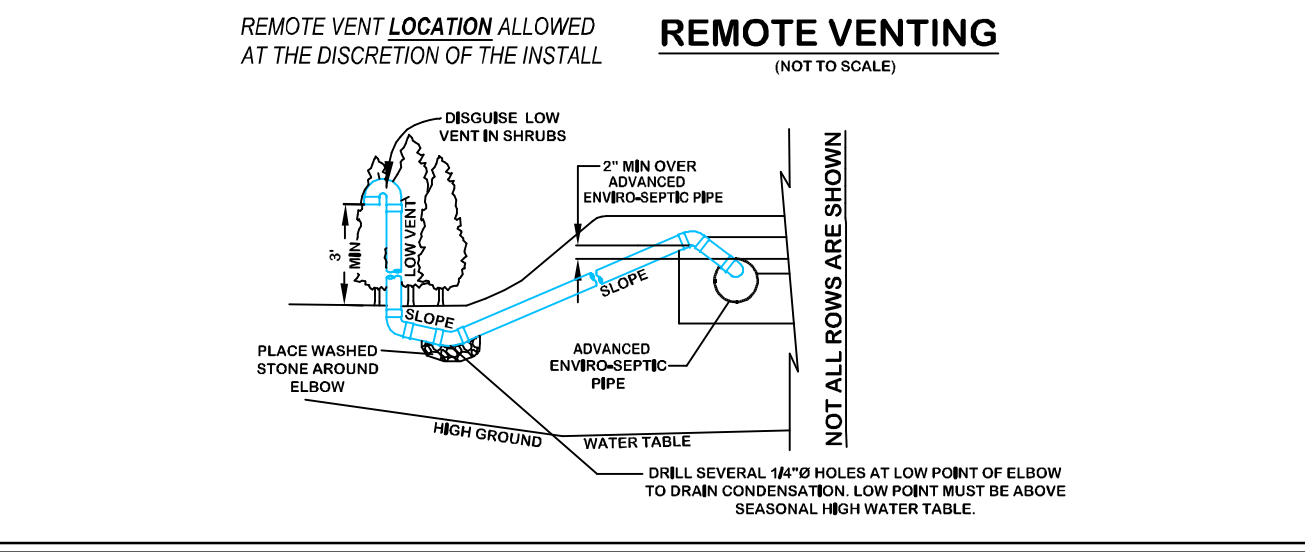
PERCOLATION RESULTS
DATE: 10-4-2021
1" IN 8 MIN. AT 24 IN.

ABSORPTION AREA REQUIRED
3 BEDROOMS X 150 GPD: 450 GPD
AES: 210 LIN. FT.

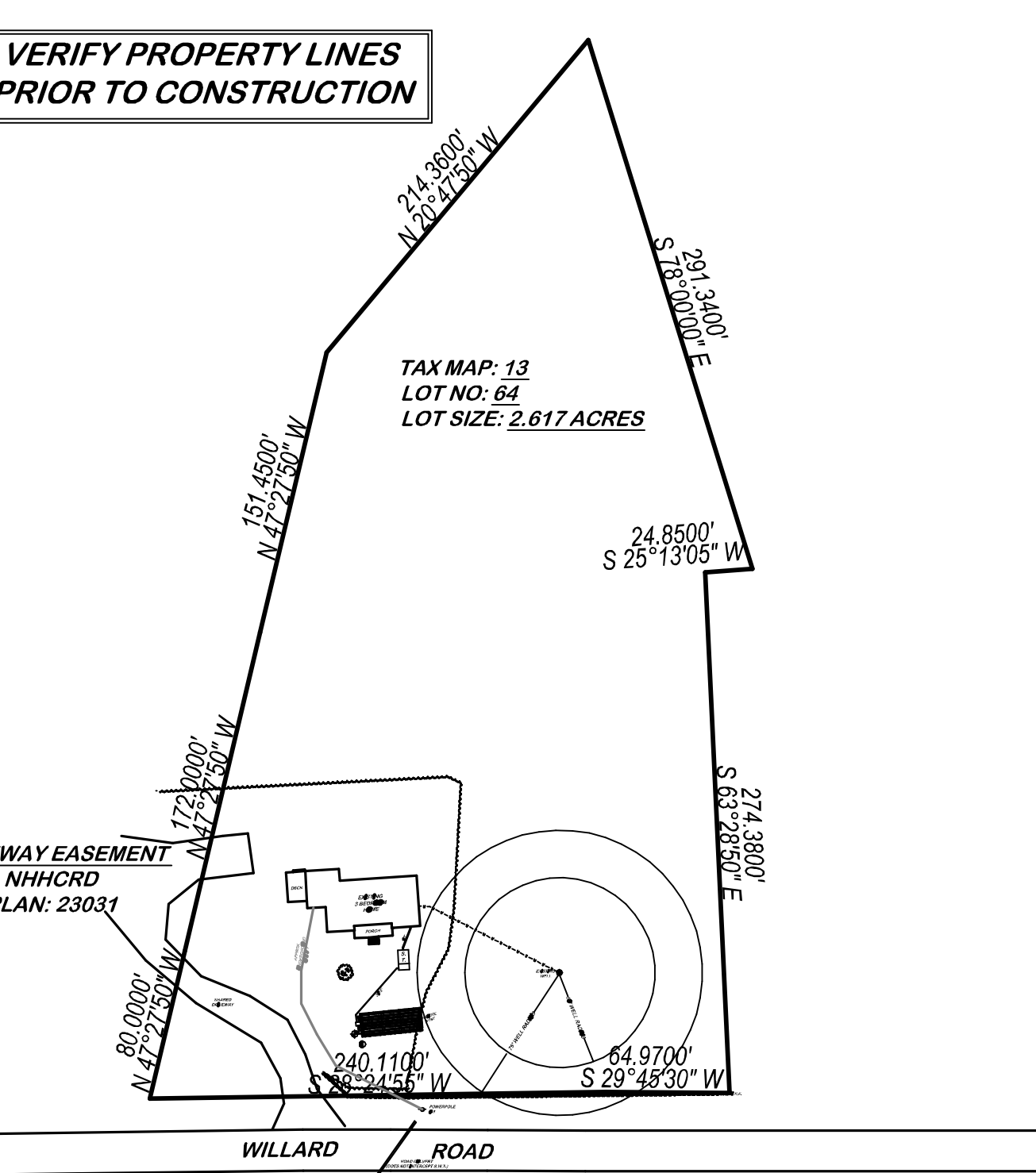
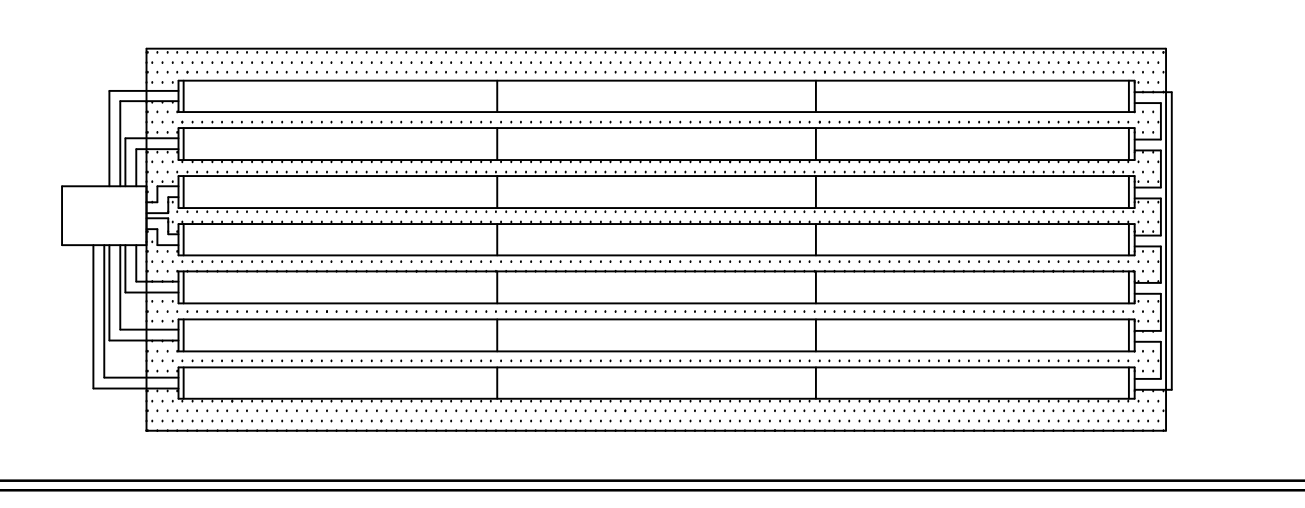
SIZE OF BED
10' X 30' (7 X 3L): 210 LIN. FT.
SAND BED AREA: 12' X 32'

- LIST OF MATERIALS**
1. LEACHING PIPE 4" DIA. CRESTLINE OR EQU.
 2. MULTICOMPARTMENT SEPTIC TANK 1000/500 GAL. WILLIAM LAMARRE CONCRETE PRODUCTS INC. OR EQU.
 3. LARGE DISTRIBUTION BOX WITH 2 OUTLETS WILLIAM LAMARRE CONCRETE PRODUCTS INC. OR EQU.
 4. 21 (10' SEGMENTS) ADVANCED ENVIRO-SEPTIC LEACHING PIPE.
 5. 14 SPLIT COUPLINGS
 6. 14 OFFSET ADAPTORS
- TOWN: NEW IPSWICH**
SUB. NAME: PETER & LOIS PEKKALA
SUBDIVISION NO: 37213
TAX MAP NO: 13 LOT NO: 64
DEED REF. BK. NO: 9215 PAGE NO: 2612
COUNTY: HILLSBOROUGH
LOT SIZE: 2.617 ACRES

- NOTES**
1. INSTALLATION OF LEACH FIELD SHALL BE DONE BY A PERMITTED NHDES INSTALLER.
 2. INSTALLER ADVISED TO CONTACT DIG SAFE 1-888-344-7233 PRIOR TO CONSTRUCTION.
 3. VERIFY PROPERTY LINES AND TOWN/STATE SETBACKS PER REGULATIONS PRIOR TO CONSTRUCTION.
 4. VERIFY DISTANCE TO ADJACENT WELLS PER LOCAL ORDINANCE.
 5. THERE IS NO KNOWN BURIAL SITE OR CEMETERY WITHIN 100 FT OF THE ISDS.
 6. THERE ARE NO KNOWN WETLAND IMPACTS FOR THIS PROJECT.
 7. NO SURFACE WATER WITHIN 75' FT. OF SEPTIC FIELD.
 8. DISTANCE TO VERY POORLY DRAINED SOIL 75+; POORLY DRAINED SOIL 50+.
 9. WELL IS AT LEAST 75' FT. FROM SEPTIC LEACH FIELD, 50' FT. FROM SEPTIC TANK (IF SDR 26 PIPE OR EQUAL IS USED AND THE TANK IS EITHER MADE FROM PLASTIC OR COATED WITH A SEALANT TO PREVENT INFILTRATION AND EXFILTRATION).
 10. SLEEVE WATERLINE AND SEPTIC LINES UNDER DRIVEWAYS (IF APPLICABLE).
 11. FOUNDATION DRAIN DISCHARGE (SOLID) 5' AND DISCHARGE (OUTLET) 25' FROM BED AND SEPTIC TANK.
 12. REMOVE TOPSOIL PRIOR TO INSTALLING SEPTIC FIELD, SCARIFY SOIL PRIOR TO FILL PLACEMENT.
 13. REMOVE EXISTING SEPTIC AND ANY CONTAMINATED SOILS PRIOR TO FILL PLACEMENT.
 14. SEPTIC TANK, D-BOX AND ALL PIPE CONNECTIONS MUST BE SEALED AND WATERTIGHT.
 15. ENVIRO-SEPTIC CANNOT BE SUBSTITUTED FOR ADVANCED ENVIRO-SEPTIC.
 16. ADVANCED ENVIRO SEPTIC LINES TO BE LAID LEVEL.
 17. GRADE FOR SEPTIC 0% DROP BETWEEN LINES-0'.
 18. MANIFOLD ADVANCED ENVIRO SEPTIC PIPES PER DRAWING AND VENT.
 19. LINE SPACING 1.5' CENTER TO CENTER.
 20. REPLACE IN PLACE IF FAILURE OCCURS; COMPLY WITH REGULATIONS AT TIME OF FAILURE.
 21. NO LIABILITY IS TAKEN FOR THIS PLAN WITH RESPECT TO THE INSTALLATION.
 22. THIS PLAN DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.
 23. ANY DISCREPANCY BETWEEN THE PLAN AND FIELD CONDITIONS SHOULD BE REPORTED TO THE DESIGNER PRIOR TO CONSTRUCTION.



- NOTE:**
1. ALL TANK COVERS SHALL BE ACCESSIBLE AT A DEPTH NO MORE THAN 6" BELOW FINAL GRADE.
 2. A SEPTIC TANK WITH AN EFFLUENT FILTER SHALL HAVE A RISER WHICH EXTENDS TO FINISHED GRADE.
 3. ACCESS TO THE INTERIOR OF THE SEPTIC TANK SHALL CONFORM TO ENV-WQ 1010.05.
 4. SEPTIC TANK AND LEACHFIELD ARE NOT SIZED FOR THE USE OF A GARBAGE GRINDER, WATER TREATMENT SYSTEMS (I.E. WATER SOFTENER, ETC), AND/OR HOT TUB AND SHALL NOT BE DISCHARGED INTO SEPTIC.
 5. MAINTENANCE: RECOMMEND INSPECTION OF SEPTIC TANKS AT LEAST ANNUALLY AND CLEAN IF COMBINED THICKNESS OF SLUDGE AND SCUM EQUALS MORE THAN 1/4 OF THE LIQUID DEPTH INSIDE THE TANK.

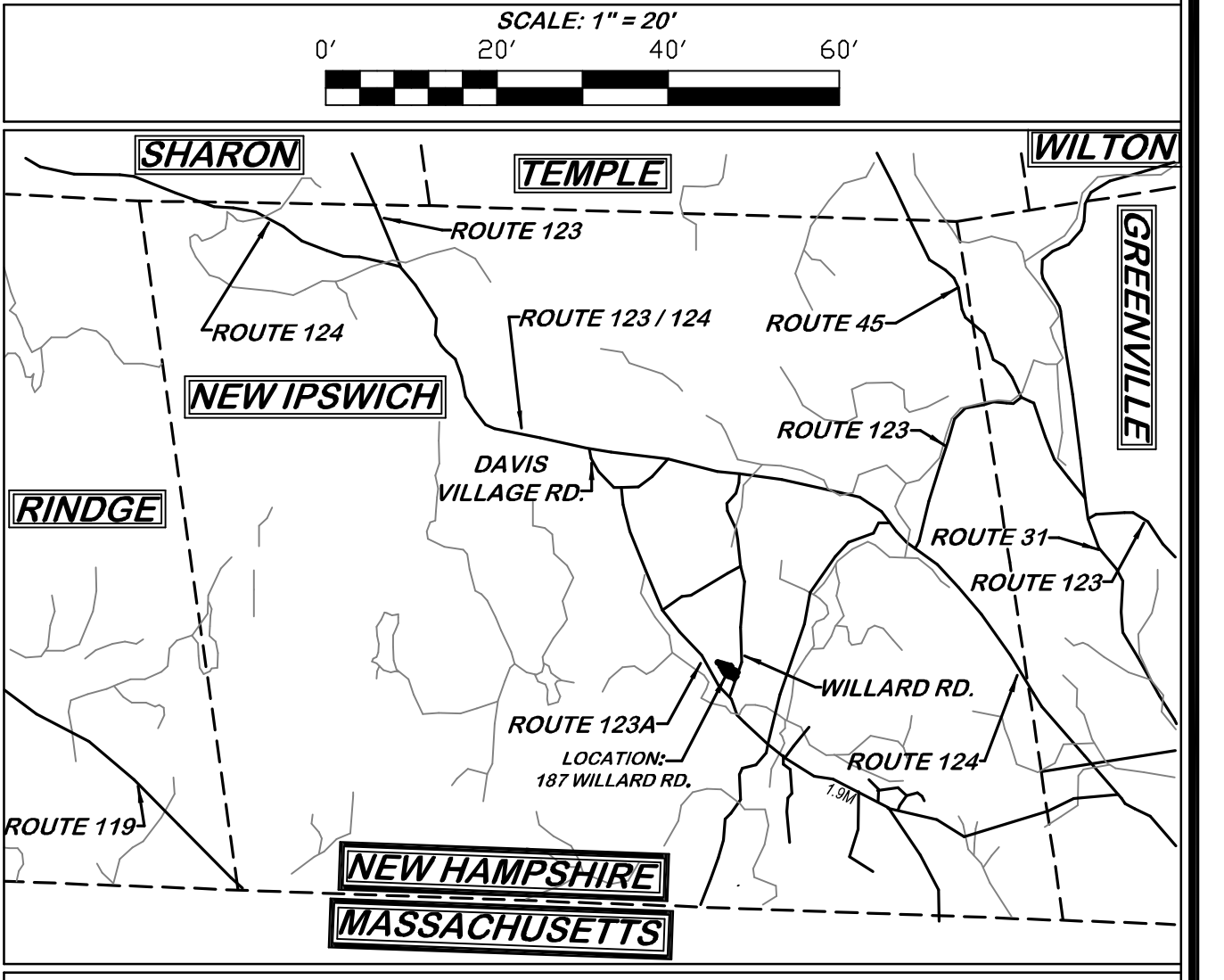
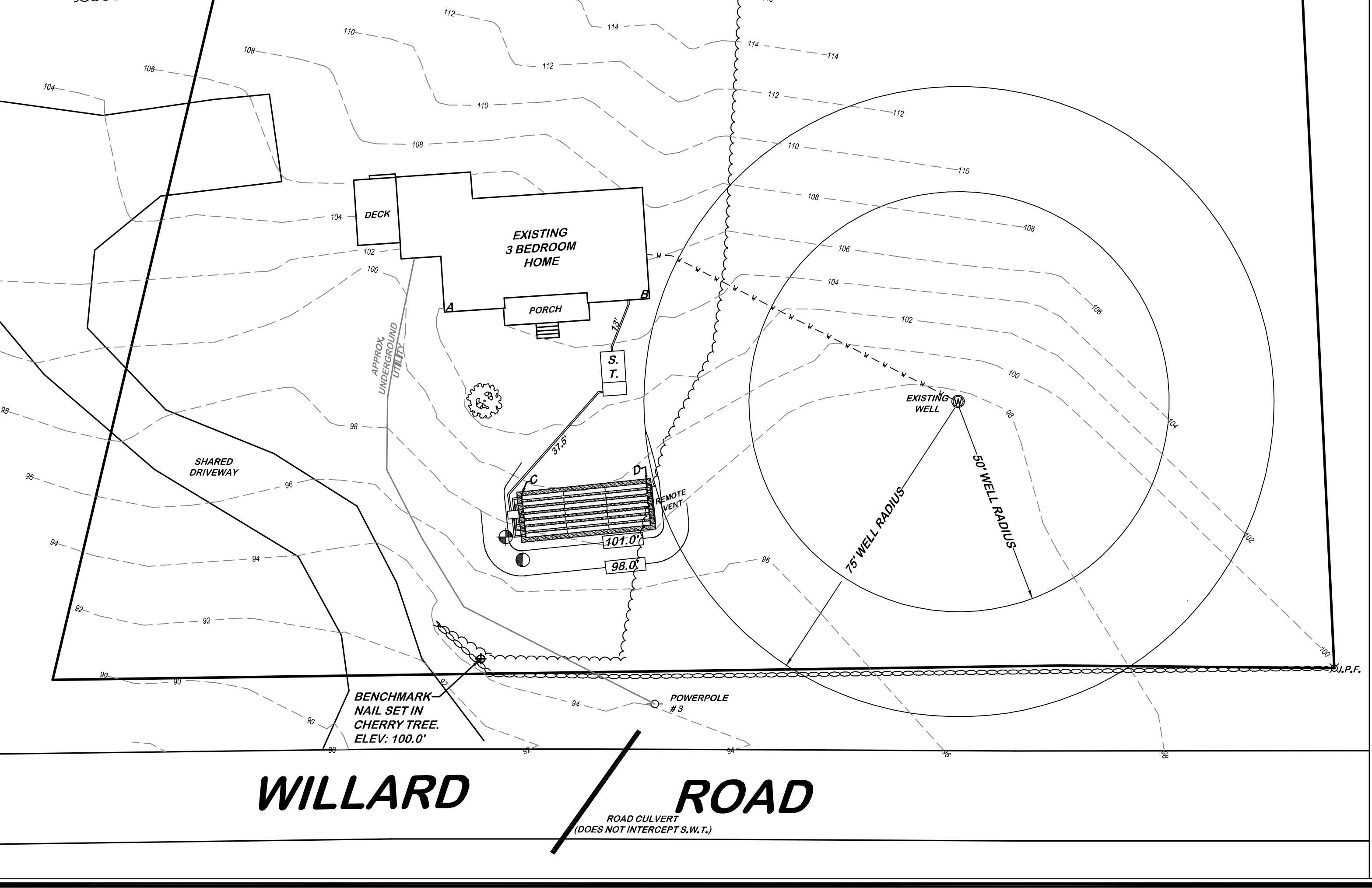


VERIFY PROPERTY LINES PRIOR TO CONSTRUCTION

DRIVEWAY EASEMENT NHHCRD PLAN: 23031

WILLARD ROAD

THIS IS NOT A PROPERTY BOUNDARY SURVEY



DESIGNERS STAMP
NEW HAMPSHIRE
Design of
Subsurface Sewerage
Systems
Jesse & Sierra Lyn Niemela
11-1-2021

TOWN STAMP (IF REQUIRED)

PRELIMINARY INFORMATION ONLY

MONADNOCK SEPTIC DESIGN LLC
P.O. BOX 536, FITZWILLIAM N.H. 03447
CARL & SCOTT HAGSTROM 603-585-2272
NAME: JESSE & SIERRA LYN NIEMELA
STREET: 187 WILLARD ROAD
TOWN: NEW IPSWICH STATE: N.H. ZIP: 03071
TEL: 603-291-0356 DATE: 11-1-2021
PREV. APP. NO: 172304 APP. NO:

MSD
MONADNOCK SEPTIC DESIGN LLC
DESIGNER FOR A BETTER ENVIRONMENT