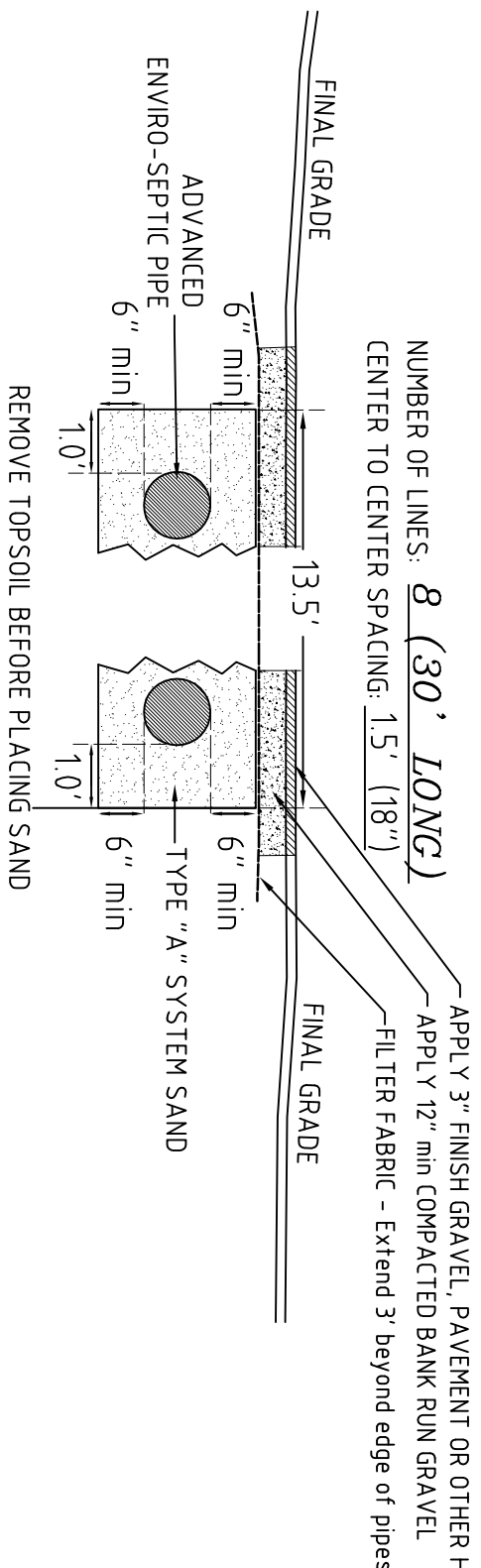
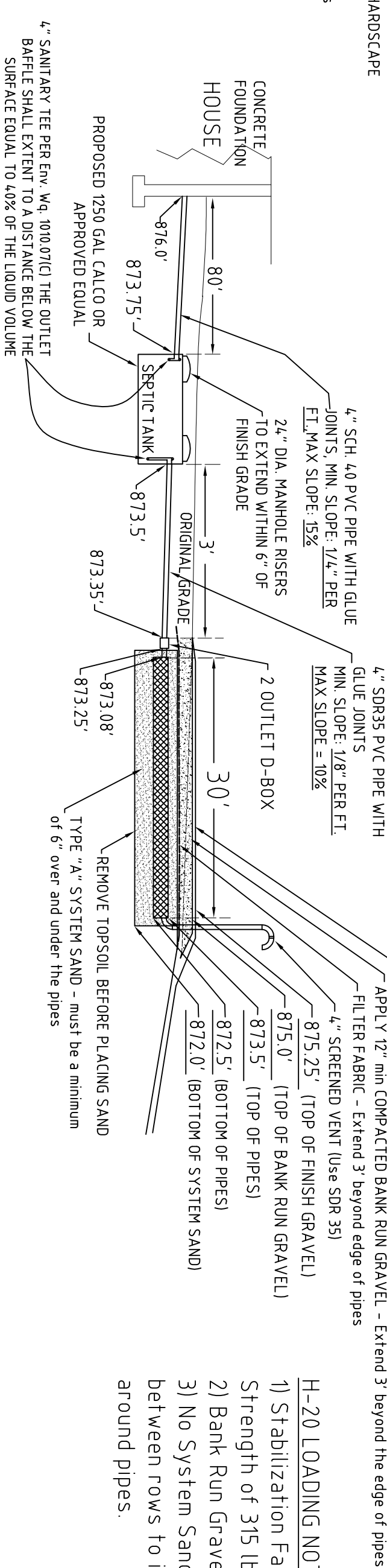


END VIEW OF PIPES - ADVANCED ENVIRO-SEPTIC (A.E.S.)



SECTIONAL INFORMATION - ADVANCED ENVIRO-SEPTIC (A.E.S.) - H-20 LOADING



SYSTEM REQUIREMENTS

4 BEDROOM SYSTEM, DAILY FLOW VOL. = 600 GPD WITH PERC. RATE LISTED ABOVE: REQUIRED 220 FT² LENGTH OF ENVIRO-SEPTIC PIPE REQUIRED 220 FT² SEPTIC TANK VOLUME PROVIDED 1,250 GAL.

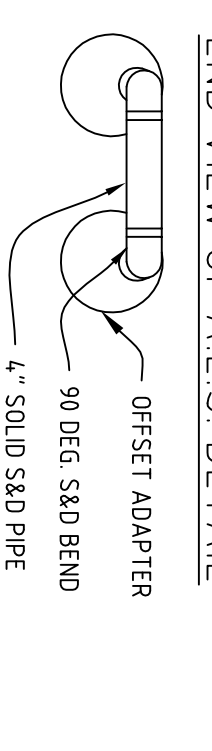
DESIGN INTENT
 874.0' (EXISTING GRADE HIGH CORNER OF EDA)
 874.0'-3.5' = 870.5' (SHWT @ HIGH CORNER OF EDA);
 A.E.S. MUST BE 2' MIN. ABOVE SHWT; 870.5+2.0 = 872.5' (BOT. A.E.S. OF PIPES); 872.5-874.0 = -1.5'
 THE BOTTOM OF THE BED SHALL BE CONSTRUCTED AT 872.5' ELEVATION, IS APPROXIMATELY 1.5' FEET (18") BELOW EXISTING GROUND LEVEL AT THE HIGH SIDE OF THE EDA.

Scope of this Septic Plan

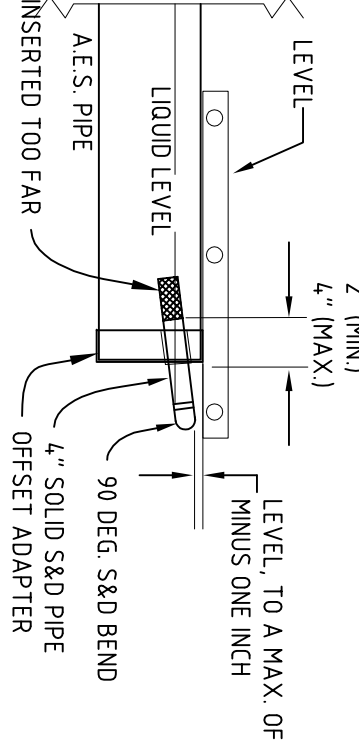
The scope of this plan involves the location and specifications of the Septic System only. The locations and specifications of the house, driveway, foundation and other appurtenances are shown based on information provided by the client. You may be subject to additional state & local requirements such as building setbacks, driveway requirements, wetlands rules, house size limits, building height limits, etc.; that are beyond the scope of this plan. The professional engineer's responsibility is to complete as many and all special studies, inspections, association rules and other requirements of any governing bodies.

TANK & LEACH FIELD SETBACK NOTES:

1) HOUSE MUST BE AT LEAST 5 FEET FROM THE SEPTIC TANK
 2) HOUSE MUST BE AT LEAST 15 FEET FROM THE LEACH FIELD.



SIDE VIEW OF A.E.S. PIPE DETAIL



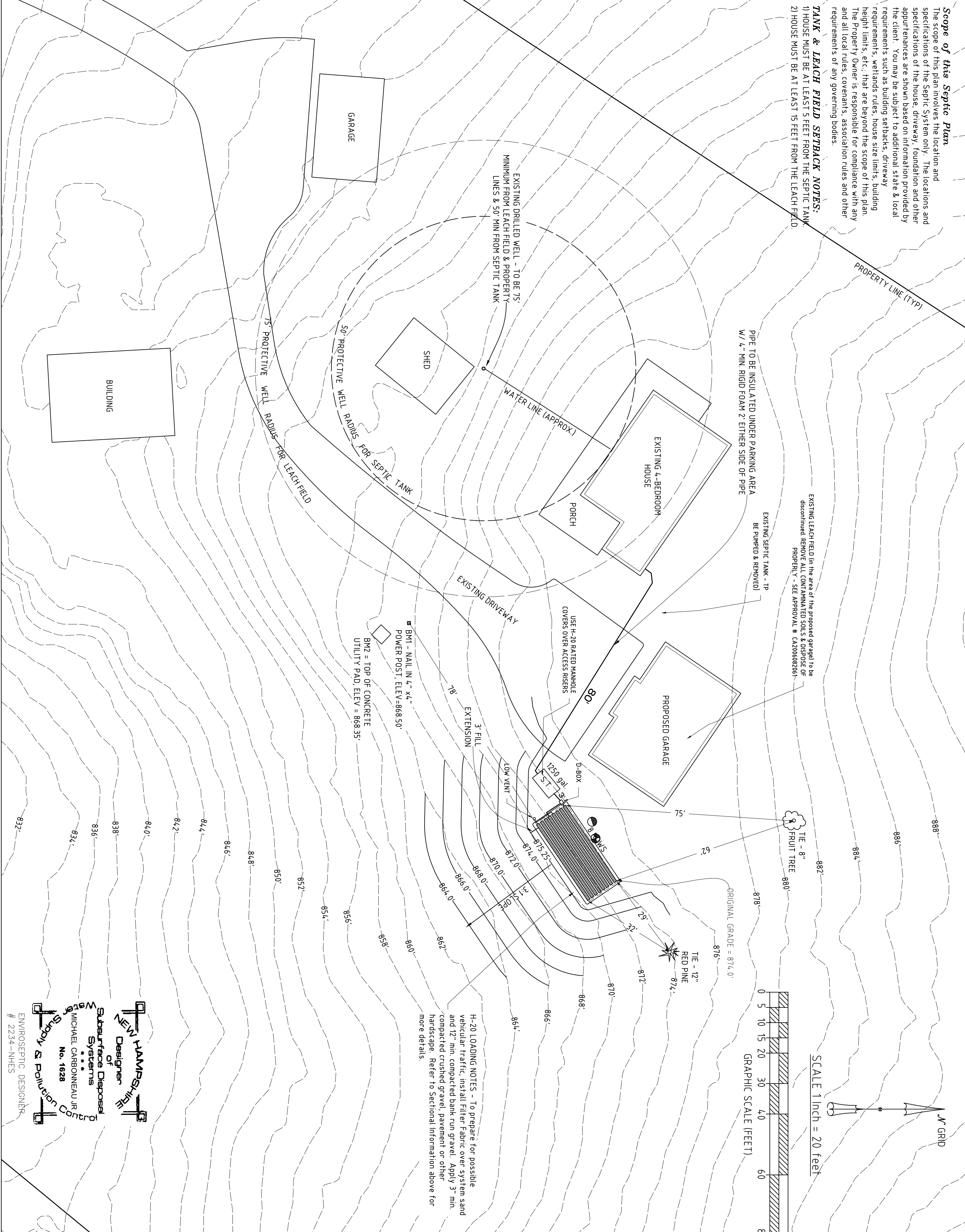
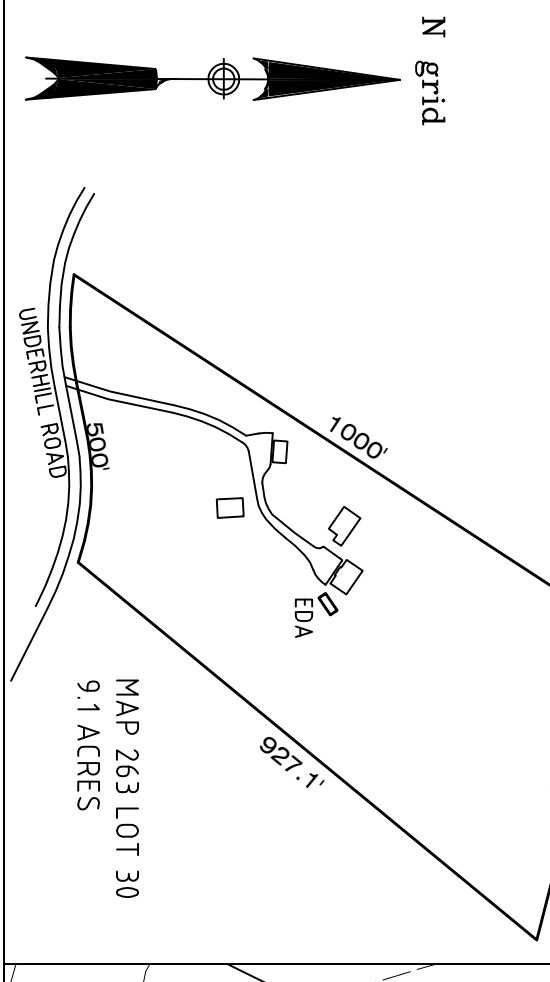
SYSTEM NOTES:

- 1) Enviro-Septic wastewater treatment systems are approved by NHDES as ITA in accordance with Part Env-W-1024. The system is designed in accordance with the Enviro-Septic & Simple Septic Leaching Systems Design and Installation Manual and the Enviro-Septic Wastewater Treatment Systems Design and Installation Manual New Hampshire State Attachment.
- 2) Installation of Enviro-Septic System is to be in strict accordance with the Enviro-Septic Design and Installation Handbook for the State of New Hampshire, Linea TYPE 'A' Sand (see Design Handbook) All fill & sand to be free of debris.
- 3) All Septic tanks/ perforations to be sealed with a watertight flexible connector.
- 4) Enviro-Septic lines to be installed level.
- 5) Do not install system in frozen ground.
- 6) System may be replaced in same location if necessary.
- 7) If system has existing buildings, all inside plumbing elevations must be checked before installation. Contact the designer if any discrepancies are found.
- 8) No drains, hot tubs, saunas, garbage disposals, water softeners, etc., shall be incorporated into the system unless otherwise specified.
- 9) The septic tank shall be coated with a sealant to prevent infiltration & exfiltration if located within 75' to well, surface water, open drainage or very poorly drained soils.
- 10) Unless otherwise noted on plan there are no wetlands within 75' of the proposed system in accordance with ENV-WQ 1014.06.
- 11) There is no known burial plot or cemetery on the lot within 100' of the proposed SIDS in accordance with ENV-WQ 1003.13(b)(1)

SYSTEM MAINTENANCE:

- 1) Septic Tank should be inspected at least once a year, and cleaned as necessary.
- 2) Vehicles, heavy equipment and livestock should be kept away from the septic system.
- 3) The following items may shorten the life of the system:
 - Garbage disposals
 - Certain types of water softeners and purifiers
 - Disposal of grease, oils, paints, some cleaners & toxic chemicals
 - Hot tubs, and excessive water usage

PLOT PLAN SCALE: 1" = 300'



DESIGNER
 Michael Carbonneau Jr.
 No. 1628
 ENVIRONMENTAL DESIGNER
 # 2234-NHES

GENERAL NOTES:

- 1) This is not a boundary survey. All property lines shown are approximate. A licensed surveyor should be consulted to accurately determine property lines.
- 2) This Septic System is designed for RESIDENTIAL use.
- 3) There is no surface water within 75' of this system.
- 4) Before installation, the installer must verify all elevations and distances. If system has existing buildings, all inside plumbing elevations must be checked before installation.
- 5) This plan has been prepared for the purpose of obtaining permitting for subsurface waste disposal from the NH Dept. of Environmental Services. The property owner is responsible for obtaining all other local and state permits necessary for construction.

TEST PIT DATA

DATE: 5/14/2019	WATER AT: NOT FOUND
ESTIMATED SEASONAL HIGH WATER TABLE (SHWT) @ 4.2 INCHES DEPTH OF LEDGE: NOT FOUND	
SOIL DATA: 0-6 10yr 3/2 loam, friable, granular	
PERCOLATION TEST DATA: 6-18 2.5y 5/4 sand fill	
DATE: 5/14/2019 PERCOLATION RATE: 11 MIN./INCH	
42-60 5y 5/3 fsl, friable, granular	

LOCATION MAP (NOT TO SCALE)

SUBMITTED BY:
 CONNECTICUT VALLEY DESIGNS
 528 HILL TOP ROAD
 LITTLETON, NH 0356
 603-444-2072

PROPOSED SEPTIC DISPOSAL FACILITIES FOR PROPERTY JODI L ANDERLE REVOCABLE TRUST
 104 Underhill Road, Meriden

DRAWN BY: MWC **SCALE:** 1"=20'
CHECKED BY: MWC **DATE:** 5/13/2019
SHEET 1 OF 1

REVIEWED AND APPROVED
 IN ACCORDANCE WITH THE REQUIREMENTS OF THE NH DEPT OF ENVIRONMENTAL SERVICES **WATER DIVISION**

Date: 8/12/2019
#eCA2019081208