

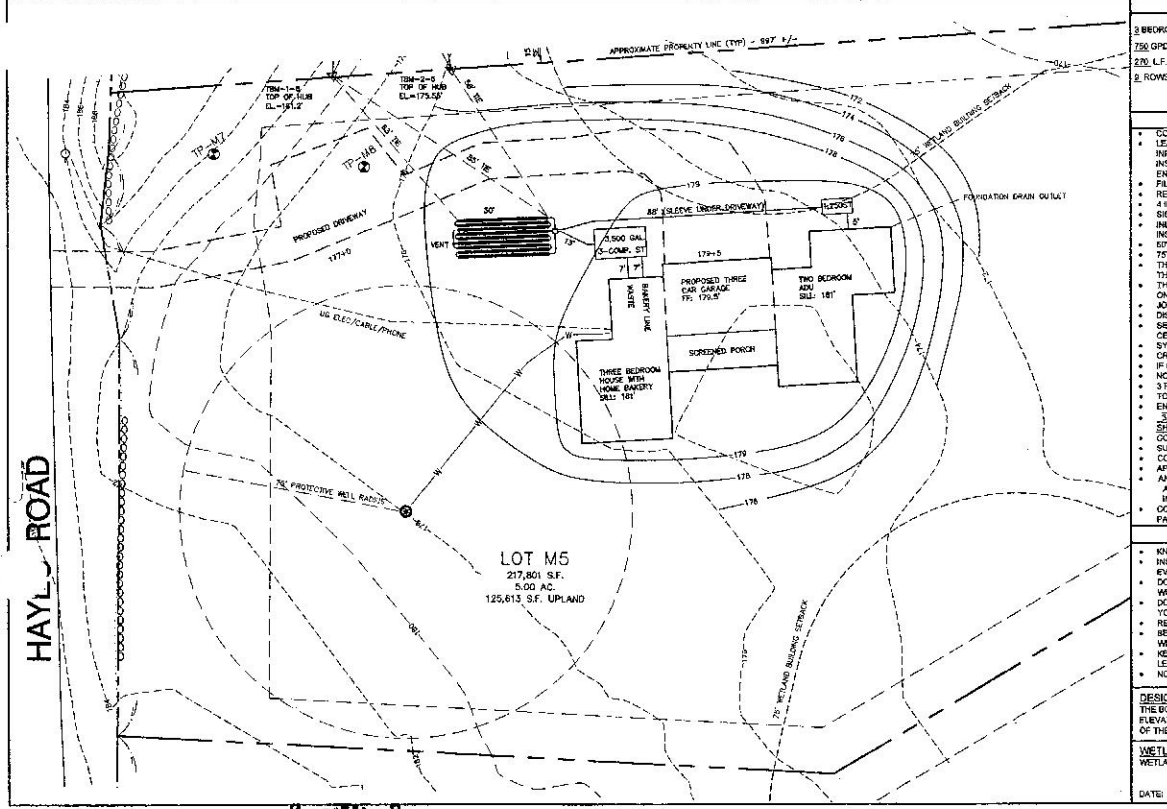
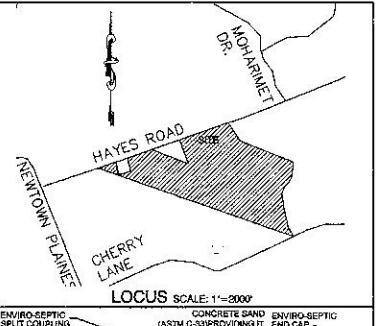
TEST PIT LOGS

PERFORMED BY: WAYNE G. MORRILL, JONES & BEACH ENGINEERS, INC. S&D #1258
 WITNESSED BY: MICHAEL CUMMO, ROCKINGHAM COUNTY CONSERVATION DISTRICT

Test Pit #27	Topsoil	Test Pit #43	Topsoil
0'-21"	2.5Y 4/5 olive brown loamy sand granular, friable	0'-17"	2.5Y 5/8 light olive brown loamy sand granular, friable
21'-56"	2.5Y 5/3 light olive brown loamy sand granular, friable	17'-36"	2.5Y 5/4 light olive brown loamy sand granular, friable
		36'-56"	2.0Y 5/2 grayish brown loamy sand granular, firm

SWFT = 3" No. 100 observed
 Rate @ 30"
 No Refused observed
 Perc rate = 8 min/inch

SWFT = 30"
 No. 100 observed
 Rate @ 30"
 No Refused observed
 Perc rate = 8 min/inch

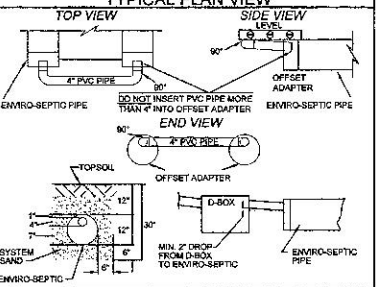
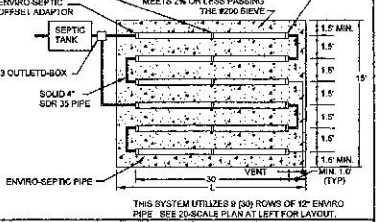


ENVIRO-SEPTIC DESIGN CALCULATIONS

3-BEDROOM RESIDENTIAL HOME w/ TWO BEDROOM ADU = 250 GALLONS
 750 GPD @ 8 MIN INCH = 250 L.F. OF ENVIRO-SEPTIC PIPE REQUIRED
 270 L.F. OF ENVIRO-SEPTIC PIPE PROVIDED
 3 ROWS OF ENVIRO-SEPTIC PIPE, THREE SERIES OF THREE ROWS
 BED DIMENSIONS 30' x 18'

- ### GENERAL NOTES
- CONTRACTOR TO VERIFY ALL ELEVATIONS IN FIELD PRIOR TO CONSTRUCTION
 - LEACH BED COMPRISED OF ENVIRO-SEPTIC LEACHING PIPE. FOR DETAILED INSTALLATION INFORMATION REFER TO "ENVIRO-SEPTIC & SIMPLE-SEPTIC LEACHING SYSTEMS DESIGN AND INSTALLATION MANUAL" 2003 EDITION OR MOST CURRENT EDITION. CONTACT PRESBY ENVIRONMENTAL, INC. AT PHONE (800) 478-0206 OR WWW.PRESBYENVIRONMENTAL.COM
 - FILL AROUND EXISTING PIPES TO ASTM C-33 (CONCRETE SAND), OR EQUAL
 - REMOVE TOPSOIL BEFORE FLAGGING FILL
 - 4 INCH THICK LOAM & SEED AROUND PERIMETER OF FILL
 - SIDE SLOPE OF FILL = 3:1 (HORIZONTAL) : 1 (VERTICAL)
 - INLET AND OUTLET OF SEPTIC TANK SHALL BE SEALED WITH HYDRAULIC CEMENT PRIOR TO INSPECTION
 - 5' SETBACK FROM POORLY DRAINAGE SOILS
 - 75' SETBACK FROM VERY POORLY DRAINAGE SOILS
 - THE OUTLET Baffle SHALL BE A VENTED TEE WHICH SHALL EXTEND TO A DISTANCE BELOW THE SURFACE EQUAL TO 40% OF THE LIQUID DEPTH
 - THE INLET AND INLET Baffles SHALL EXTEND ABOVE THE LIQUID LINE TO NOT LESS THAN ONE INCH FROM THE TOP OF THE TANK
 - JOINTS ARE TO BE BELLED PVC OR STANDARD SLIP COLLARS
 - DISRUPTION BOX SHALL HAVE FLOW EQUALIZERS INSTALLED IN THE OUTLET PORTS
 - SEPTIC TANK IS TO BE SEALED AND GROUTED WITH NON-SHRINK MORTAR OR THICK PLASTIC CEMENT
 - SYSTEM WILL BE REPLACED IN SAME LOCATION IN CASE OF FAILURE
 - UNKNOWN SYSTEM TO SEND RUNOFF WATER, SLOPE SYSTEM AWAY FROM HOUSE
 - IF GARAGE GRINDERS ARE DESIRED, SEPTIC TANK 50% LARGER
 - NO SURFACE WATER OR WELLS WITHIN 75'
 - 3 FT. FILL EXTENSION
 - TOWN OF MADBURY, REQUIRES BED BOTTOM INSPECTION
 - ENVIRO-SEPTIC TO BE SUPPLIED BY: ELUMINATOR SYSTEMS, INC. (803) 868-2243 OR EQUAL
 - 3,500 LITRE COMPARTMENT AND 1250 GALLON SEPTIC TANK & D-BOX TO BE SUPPLIED BY: SHEA, OR EQUAL
 - COUNTY SOIL CONSERVATION SERVICE SOIL TYPE: HOLLS CHARLTON
 - SUBDIVISION APPROVAL # 2015042802, ISSUED 2015
 - CONSTRUCTION APPROVAL # ISSUED
 - APPROVAL FOR CONSTRUCTION IS VALID FOR 4 YEARS FROM DATE OF ISSUE
 - ANY CHANGES TO SEPTIC TANK, HOUSE OR WELL LOCATION/ORIENTATION WILL REQUIRE AN AS-BUILT PLAN TO BE PROVIDED BY THE DESIGNER PRIOR TO FINAL INSPECTION
 - CONTRACTOR TO INSTALL A VENT IF LEACH-FIELD HAS MORE THAN 18" OF COVER AND/OR PAVED COVER

- ### HOMEOWNER NOTES
- KNOW THE LOCATION OF YOUR SEPTIC TANK AND LEACHING AREA
 - INSPECT YOUR TANK YEARLY AND HAVE THE TANK PUMPED AS NEEDED AND AT LEAST EVERY THREE YEARS
 - DO NOT FLUSH BULKY ITEMS SUCH AS THROWAWAY DIAPERS, SANITARY PADS OR BABY WIPES
 - DO NOT FLUSH TOXIC CHEMICALS SUCH AS PAINT THINNERS, PESTICIDES, OR GLORING INTO YOUR SYSTEMS AS THEY MAY KILL NECESSARY BACTERIA IN THE TANK
 - REPAIR LEAKING FIXTURES IN THE HOUSE PROMPTLY
 - BE CONSERVATIVE WITH YOUR WATER USE AND USE WATER-REDUCING FIXTURES WHEREVER POSSIBLE
 - KEEP DEEP-ROOTED TREES AND SHRUBS FROM GROWING ON AND ADJACENT TO YOUR LEACHING AREA
 - NO VEHICULAR, NOR LIVESTOCK TRAVEL, NOR SNOW REMOVAL IN AREA OF SYSTEM
- DESIGN INTENT**
 THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM (EDS) SHALL BE CONSTRUCTED AT 125.5 ELEVATION. THIS IS APPROXIMATELY 1.0 FEET ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR OF THE DESIGNED EFFLUENT DISPOSAL SYSTEM. (ENV-WG-1014.05)
- WETLANDS DELINEATION**
 WETLANDS ON-SITE WERE DELINEATED BY: JAMES GOVE
 GOVE ENVIRONMENTAL
- DATE: AUGUST 22, 2015



CONSTRUCTION DETAILS

- INSTALLATION SHALL COMPLY WITH 1/8" SIZE OF WELL LOCATION RULES
- IF THE WELL IS LOCATED LESS THAN 80' FROM THE STATE HIGHWAY RIGHT-OF-WAY AND OR LESS THAN 50' FROM THE PROPERTY LINE WITH DESIGN FLAG FOR STRUCTURES UP TO 5 BEDROOMS, SPECIAL METHODS OF CONSTRUCTION SHALL INCLUDE BUT NOT BE LIMITED TO: INSTALL, NOT LESS THAN 20' OF CASING INTO TO COMPLETE BEDROOM WHERE BEDROOM IS LESS THAN 20' FROM GROUND SURFACE
- GROUTING THE CASING

WELL LOCATION

Dig Safe Systems, Inc.
 21 Sweet, 175 Loc. 51, Inc.
 1-888-810-8478
 digsafe.com

Design: CSA Date: CSA Date: 11/4/16
 Checked: CSA Scale: 1" = 20' Project No.: 13004
 Drawing Name: 13004-SEPTIC-MADBURY.dwg

THIS PLAN SHALL NOT BE MODIFIED WITHOUT WRITTEN PERMISSION FROM JONES & BEACH ENGINEERS, INC. (JBE). ANY ALTERATIONS, AUTHORIZED OR OTHERWISE, SHALL BE AT THE USER'S SOLE RISK AND WITHOUT LIABILITY TO JBE.

REV.	DATE	ISSUED FOR REVIEW	BY
0	6/30/17	ISSUED FOR REVIEW	CSA
1			

Designed and Produced in NH

J/B Jones & Beach Engineers, Inc.
 Civil Engineering Services

85 Portsmouth Ave. PO Box 219 Stratham, NH 03885

803-772-4745 FAX: 803-772-0927 E-MAIL: JBE@JONESANDBEACH.COM

Plan Name: **EFFLUENT DISPOSAL DESIGN**

Project: **TAX MAP 6 LOT 8-M5 HAYES ROAD, MADBURY, NH**

Owner of Record: **STEVEN VANASCO 27 WALLACE DRIVE, DOVER, NH 03821**

DRAWING NO. **LOT 5**

SHEET 1 OF 1
 JBE PROJECT NO. 13004