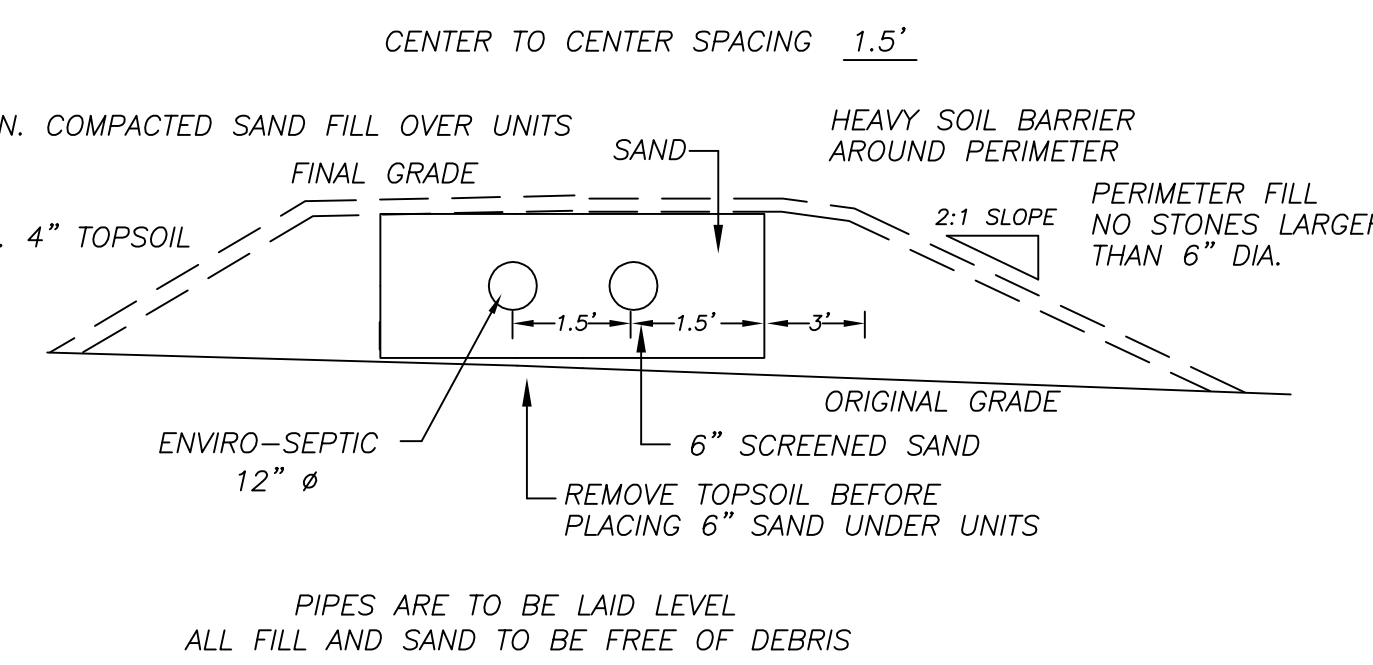
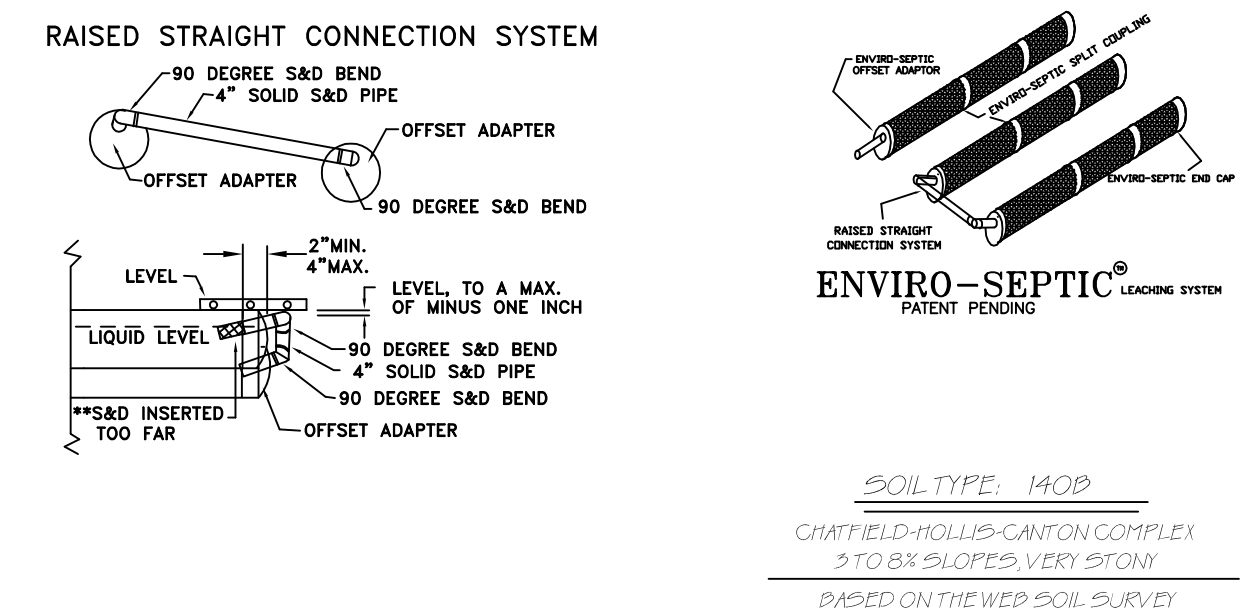


TYPICAL PROFILE OF PROPOSED SANITARY SYSTEM



TYPICAL CROSS SECTION



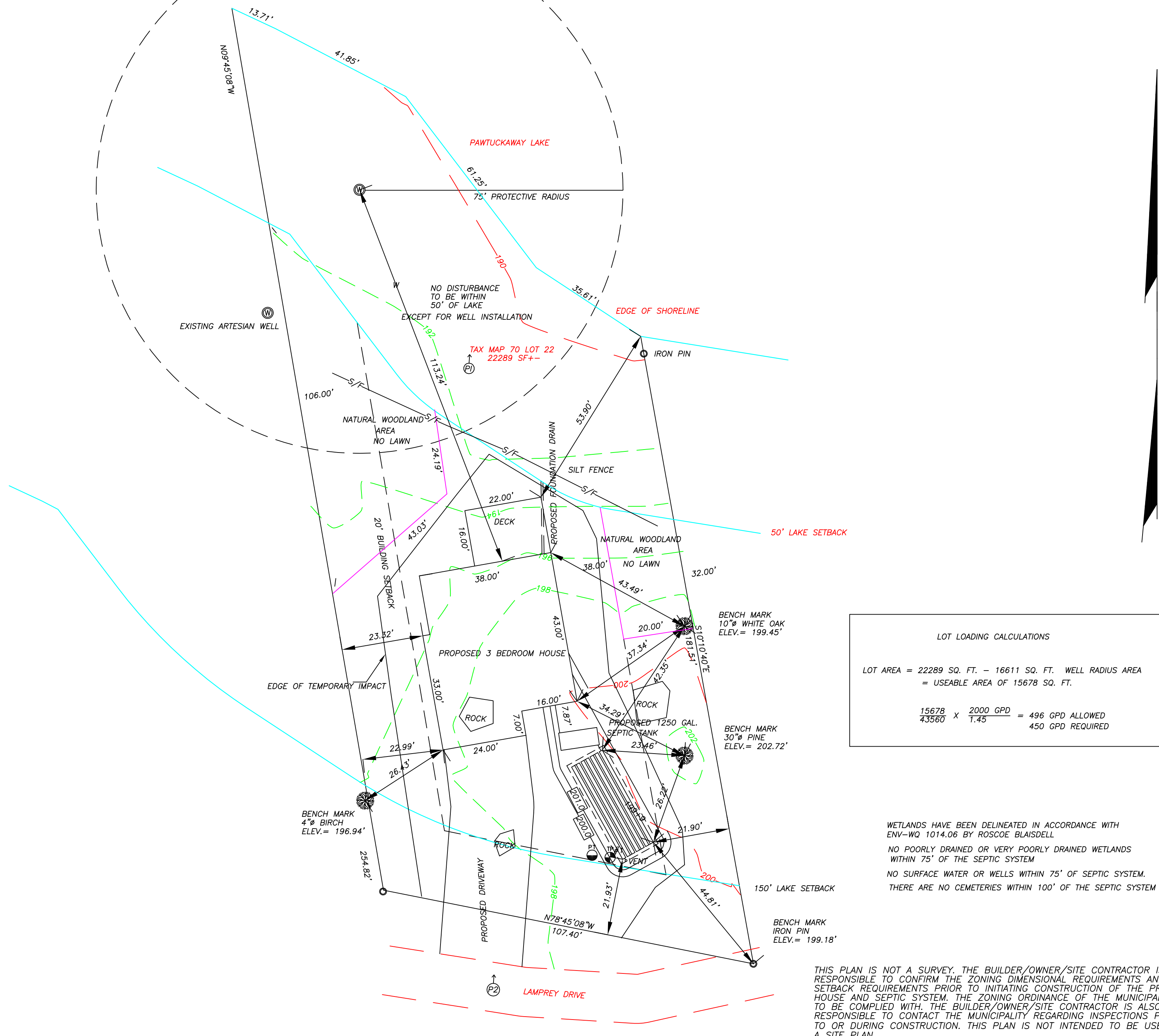
**ENVIRO-SEPTIC**  
 RAISED STRAIGHT CONNECTION SYSTEM  
 SOIL TYPE: M0B  
 CHAFFIELD-HOLLIS-CANTON COMPLEX  
 3 TO 6% SLOPES, VERY STONY  
 BASED ON THE WEBER SOIL SURVEY

- NOTES:
1. ALL THE CONNECTIONS BETWEEN A SEPTIC TANK AND THE PIPES LEADING TO AND EXITING FROM THE SEPTIC TANK SHALL BE SEALED WITH A WATERTIGHT FLEXIBLE JOINT CONNECTOR.
  2. ALL INVERT ELEVATIONS AND GRADES ARE REFERENCED FROM T.S.M.
  3. SEPTIC TANK TO BE SUPPLIED BY TO BE CHOSEN BY INSTALLER
  4. DESIGNER SHALL BE NOTIFIED OF ANY CONDITIONS CONTRARY TO THOSE DEPICTED ON THIS PLAN.

5. THIS SYSTEM IS NOT DESIGNED FOR THE USE OF GARBAGE DISPOSAL UNITS OR WATER SOFTENERS. IF EITHER ARE TO BE INSTALLED, CALL DESIGNER IMMEDIATELY.

- NOT TO SCALE
6. INSTALLATION OF ALL ENVIRO-SEPTIC SYSTEMS IS TO BE IN STRICT ACCORDANCE WITH THE ENVIRO-SEPTIC DESIGN & INSTALLATION HANDBOOK FOR THE STATE OF NEW HAMPSHIRE, LATEST REVISION.
  7. ENDS OF LEACH FIELD UNITS ARE TO BE CONNECTED WITH 4" PVC PIPE OR CAPPED.

ENVIRO-SEPTIC WASTEWATER TREATMENT SYSTEMS ARE APPROVED BY NHDES AS ITA #2008-03-10 IN ACCORDANCE WITH PART ENV-WO 1024. THIS SYSTEM IS DESIGNED IN ACCORDANCE WITH THE NEW HAMPSHIRE ENVIRO-SEPTIC MANUAL.



LOT LOADING CALCULATIONS

LOT AREA = 22289 SQ. FT. - 16611 SQ. FT. WELL RADIUS AREA = USEABLE AREA OF 15678 SQ. FT.

$$\frac{15678}{43560} \times \frac{2000 \text{ GPD}}{1.45} = 496 \text{ GPD ALLOWED}$$

$$450 \text{ GPD REQUIRED}$$

WETLANDS HAVE BEEN DELINEATED IN ACCORDANCE WITH ENV-WO 1014.06 BY ROSCOE BLAISDELL  
 NO POORLY DRAINED OR VERY POORLY DRAINED WETLANDS WITHIN 75' OF THE SEPTIC SYSTEM  
 NO SURFACE WATER OR WELLS WITHIN 75' OF SEPTIC SYSTEM.  
 THERE ARE NO CEMETERIES WITHIN 100' OF THE SEPTIC SYSTEM

THIS PLAN IS NOT A SURVEY. THE BUILDER/OWNER/SITE CONTRACTOR IS RESPONSIBLE TO CONFIRM THE ZONING DIMENSIONAL REQUIREMENTS AND SETBACK REQUIREMENTS PRIOR TO INITIATING CONSTRUCTION OF THE PROPOSED HOUSE AND SEPTIC SYSTEM. THE ZONING ORDINANCE OF THE MUNICIPALITY IS TO BE COMPLIED WITH. THE BUILDER/OWNER/SITE CONTRACTOR IS ALSO RESPONSIBLE TO CONTACT THE MUNICIPALITY REGARDING INSPECTIONS PRIOR TO OR DURING CONSTRUCTION. THIS PLAN IS NOT INTENDED TO BE USED AS A SITE PLAN.

**LEACH BED REQUIREMENTS**

PERC. RATE: 1" PER 8 MINUTES  
 NUMBER OF BEDROOMS: 3  
 150 GPD PER BDRM. = 450 GPD TOTAL  
 LINEAR FT. OF ENVIROSEPTIC REQUIRED 210  
 LINEAR FT. OF ENVIROSEPTIC PROVIDED 210  
 CONFIGURATION USED 7 LINES OF 30' PIPE

LEACH BED SIZE: 10' X 30'

DESIGN INTENT: BOTTOM OF LEACH BED

- THE BOTTOM OF THE EFFLUENT DISPOSAL AREA SHALL BE CONSTRUCTED AT 199.0 ELEVATION. THERE IS APPROXIMATELY 0.9 FEET BELOW ORIGINAL GROUND ON THE HIGH CONTOUR OF THE DESIGNED EFFLUENT DISPOSAL AREA. THE BED BOTTOM IS 2.5' ABOVE SEASONAL HIGH WATER TABLE AND LEDGE DEPTH.
- BED BOTTOM PREPARATION & FILL SPECIFICS**
1. CHECK DESIGN INTENT AND VERIFY THE ELEVATION OF EXISTING GROUND - UPSLOPE SIDE - BEFORE DISTURBING SITE. "DESIGN INTENT" MUST BE MAINTAINED.
  2. REMOVE ALL TREES, BRUSH, BOULDERS, AND DEBRIS FROM THE AREA TO BE FILLED.
  3. REMOVE TOPSOIL IN FILL AREA. LEAVE SUBSOIL IN PLACE. DO NOT COMPACT SUBSOIL WITH MACHINERY. SCARIFY, AS NEEDED BEFORE FILLING. THIS IS BEST DONE WITH THE TEETH OF AN EXCAVATOR. SCARIFY PARALLEL WITH CONTOURS, WORKING FROM THE CENTER OUTWARD.
  4. FILL TO RAISE THE SYSTEM AND FOR SIDE SLOPES TO MEET THE FOLLOWING SPECIFICATION: MEDIUM TO COARSE TEXTURED SAND NO GREATER THAN 2% PASSING THE NUMBER 200 SIEVE, AND NO PARTICLES LARGER THAN 3/4 INCHES.
  5. SAND FILL TO BE PUSHED ONTO PREPARED SURFACE FROM THE SIDE. DO NOT ALLOW MACHINERY ON THE NATURAL SOIL SURFACE. PLACE FILL IN 12" LOOSE LAYERS USING TRACK TYPE TRACTOR WITH BLADE. ALWAYS KEEP A MINIMUM OF 9" OF FILL MATERIAL BENEATH TRACKS OF TRACTOR TO MINIMIZE COMPACTION OF NATURAL SOIL. EACH LAYER SHALL BE SPREAD IN UNIFORM THICKNESS PRIOR TO PLACING NEXT LAYER. CONTINUOUS GRADING AND SHARPING SHALL BE CARRIED OUT TO ASSURE UNIFORM DENSITY THROUGHOUT EACH LAYER.
  6. BACKFILL MATERIAL TO BE CLEAN, PERMEABLE SOIL, FREE OF ORGANICS, ROOTS, STUMPS, AND STONES GREATER THAN 6". SAND IS RECOMMENDED.
  7. PLACE 6" TOPSOIL BLANKET AROUND SIDE SLOPES.
  8. ENTIRE FILLED AREA SHOULD BE LOAMED AND SEEDED AS SOON AS POSSIBLE AFTER BACKFILLING TO PREVENT EROSION.
  9. FINISH GRADE OVER SYSTEM SHOULD BE SLIGHTLY CROWNED TO PROMOTE RUNOFF.
  10. BACKFILL DEPTH OVER SYSTEM TO BE 12"-18".

4" SOLID PIPE LAID LEVEL WITH TIGHT JOINTS TO BE USED LEADING FROM DISTRIBUTION BOX TO LATERAL LEACHING LINES.

ALL PIPING OUTSIDE OF THE LEACHING AREA SHALL BE WATER TIGHT.

THE INSTALLED SYSTEM SHALL BE LEFT EXPOSED UNTIL INSPECTED BY A REPRESENTATIVE OF THE N.H.D.E.S.

NO SURFACE WATER OR WELLS WITHIN 75' OF SEPTIC SYSTEM.

THIS SYSTEM MUST BE INSTALLED IN STRICT ACCORD WITH THE APPROVED PLAN; ANY CHANGES MUST BE APPROVED BEFORE ANY CONSTRUCTION IS STARTED; ANY DISCREPANCIES IN THE APPROVED PLANS AND THE ACTUAL SITE CONDITIONS MUST BE REPORTED BY THE INSTALLER TO THE DESIGNER PRIOR TO CONSTRUCTION.

IT IS RECOMMENDED THAT THE SEPTIC TANK BE PUMPED EVERY TWO YEARS; DO NOT PUMP GREASE, OIL, OR STRONG CHEMICALS INTO SEPTIC SYSTEM. DO NOT PARK OR DRIVE VEHICLES OVER LEACH FIELD.

BLAISDELL SURVEY, LLC ASSUMES NO LIABILITY IN THE PREPARATION OF THIS PLAN WITH RESPECT TO INSTALLATION AND OPERATION UNLESS CONTRACTED TO INSPECT AND APPROVE ALL MATERIALS AND PROCEDURES USED TO INSTALL SYSTEM AS DESIGNED AND TO CERTIFY SAID INSTALLATION.

THIS IS NOT A BOUNDARY SURVEY. IT IS UP TO THE OWNER TO SEE IF LOCAL ZONING ORDINANCES HAVE BEEN MET.

SYSTEM MUST BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ENVIRO-SEPTIC FILL REQUIREMENTS MUST BE MET. SEE PAGE 11 OF ENVIRO-SEPTIC INSTALLATION MANUAL FOR SYSTEM SAND REQUIREMENTS.

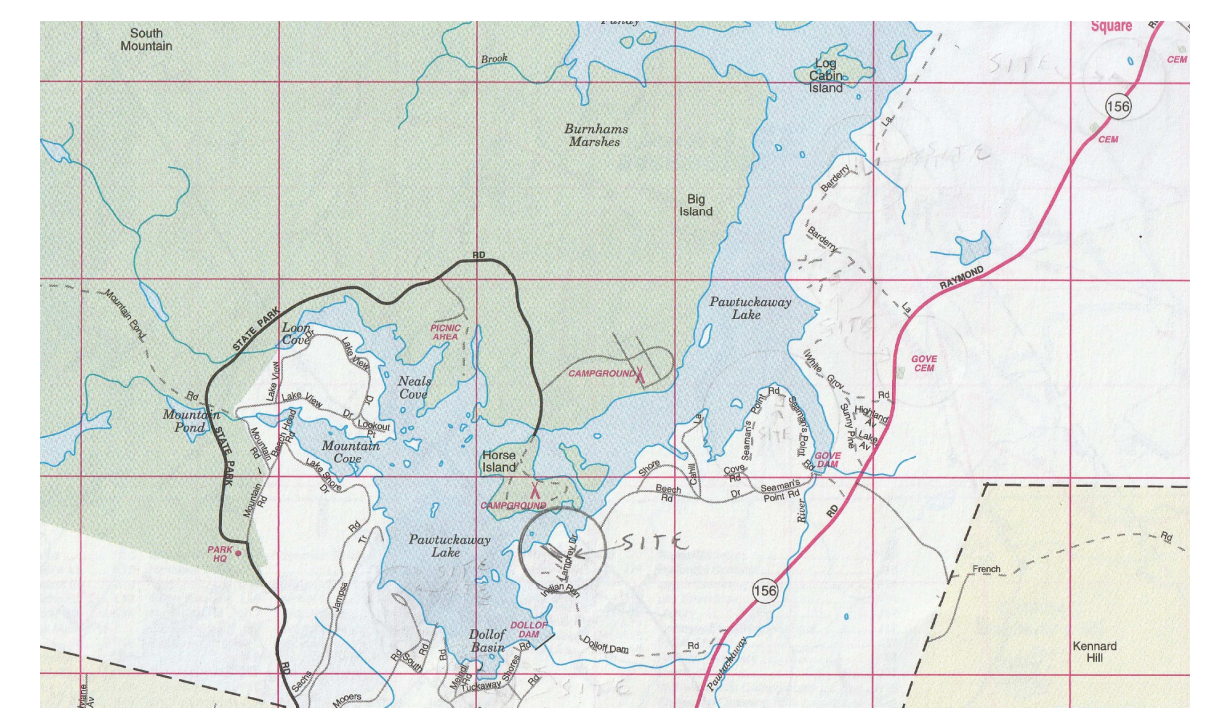
IN THE EVENT OF FUTURE SYSTEM FAILURE REPLACEMENT OF THE SYSTEM SHALL BE CONSTRUCTED IN THE SAME AREA AS THE ORIGINAL SYSTEM, AS DESIGNED, AFTER CONTAMINATED MATERIALS HAVE BEEN REMOVED

TEST PIT DATA:

DATE: 8-14-19

0"	DARK YELLOWISH BROWN FINE SANDY LOAM FRIABLE	10YR 3/4
9"	DARK YELLOWISH BROWN FINE SANDY LOAM FRIABLE	10YR 4/4
23"	LIGHT OLIVE BROWN FINE SANDY LOAM FRIABLE	2.5Y 5/4
44"	LIGHT OLIVE BROWN LOAMY SAND FIRM	2.5Y 5/3
66"	GRAVEL THROUGHOUT PROFILE	

ROOTS TO 55"  
 LEDGE NONE TO 66"  
 WATER NONE TO 66"  
 S.H.W.T. EST. @ 44"  
 HARDPAN NONE TO 66"  
 PERC TEST 8 MIN./IN. AT 28"



VICINITY PLAN

SUBSURFACE SEPTIC DESIGN FOR LOT NO. 22 TAX MAP 70

LAMPREY SUBDIVISION  
 SITUATED IN THE TOWN OF NOTTINGHAM  
 STATE OF NH. DES. - S.S.D. SUBDIVISION APPROVAL NO. N/A PRE 1967 LOT  
 OWNER: BROOKE SCHAEFER  
 23 ERWIN ROAD  
 NORTH READING, MA 01864  
 (781) 915-4805

PROPERTY LOCATION: LAMPREY DRIVE  
 APPLICANT: BLAISDELL SURVEY, LLC  
 22 SCRIPNER ROAD, RAYMOND, NH 03077  
 PHONE: (603) 895-9947  
 DESIGNER PERMIT NO. 1439  
 RBLAISDELL@COMCAST.NET  
 DATE: 11/06/20  
 SCALE: 1"=20'

FB #36  
 JOB #2643

