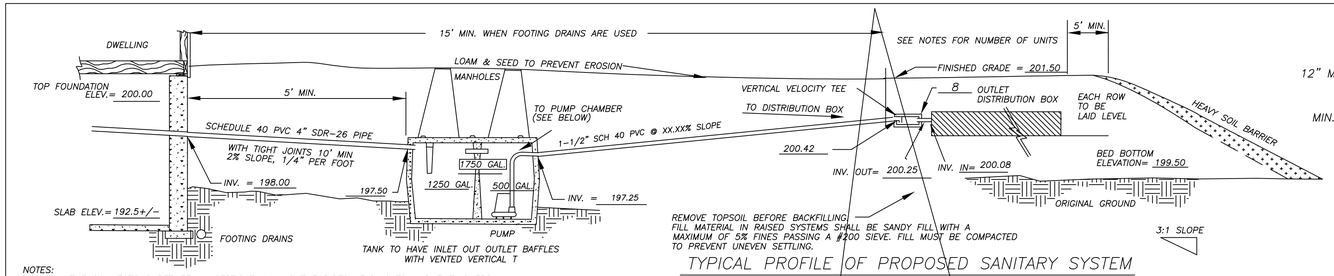
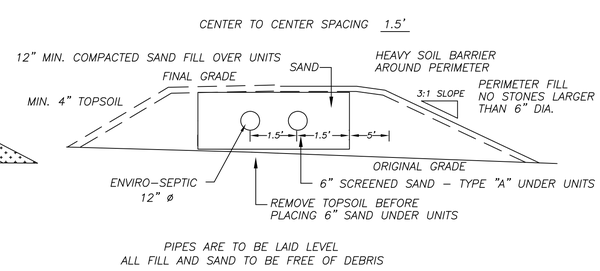


TYPICAL PROFILE OF PROPOSED SANITARY SYSTEM

NOT TO SCALE

NOTES:

1. ALL THE CONNECTONS 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.B.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. ENDS OF LEACH FIELD UNITS ARE TO BE CONNECTED WITH 4" PVC PIPE OR CAPPED.
6. THIS SYSTEM IS NOT DESIGNED FOR THE USE OF GARBAGE DISPOSAL UNITS OR WATER SOFTENERS. IF EITHER ARE TO BE INSTALLED, CALL DESIGNER IMMEDIATELY.
7. 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.



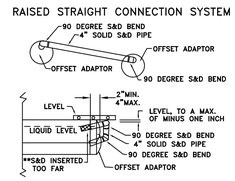
PIPES ARE TO BE LAID LEVEL
ALL FILL AND SAND TO BE FREE OF DEBRIS

TYPICAL CROSS SECTION

NOT TO SCALE

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

RAISED STRAIGHT CONNECTION SYSTEM



ENVIRO-SEPTIC® LEACHING SYSTEM
PATENT PENDING

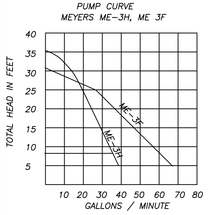
SOIL TYPE: 43C
CANTON FINE SANDY LOAM
8 TO 15% SLOPES, VERY STONY
BASED ON THE WEB SOIL SURVEY

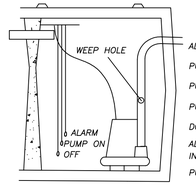
TEST PIT DATA:

TP 1
DATE: 8-14-19

0"	DARK YELLOWISH BROWN FINE SANDY LOAM FRIABLE	10YR 3/4
10"	YELLOWISH BROWN FINE SANDY LOAM FRIABLE	10YR 5/8
22"	LIGHT OLIVE BROWN FINE SANDY LOAM FRIABLE	2.5Y 5/4
38"	LIGHT OLIVE BROWN LOAMY SAND FIRM	2.5Y 5/3
56"		

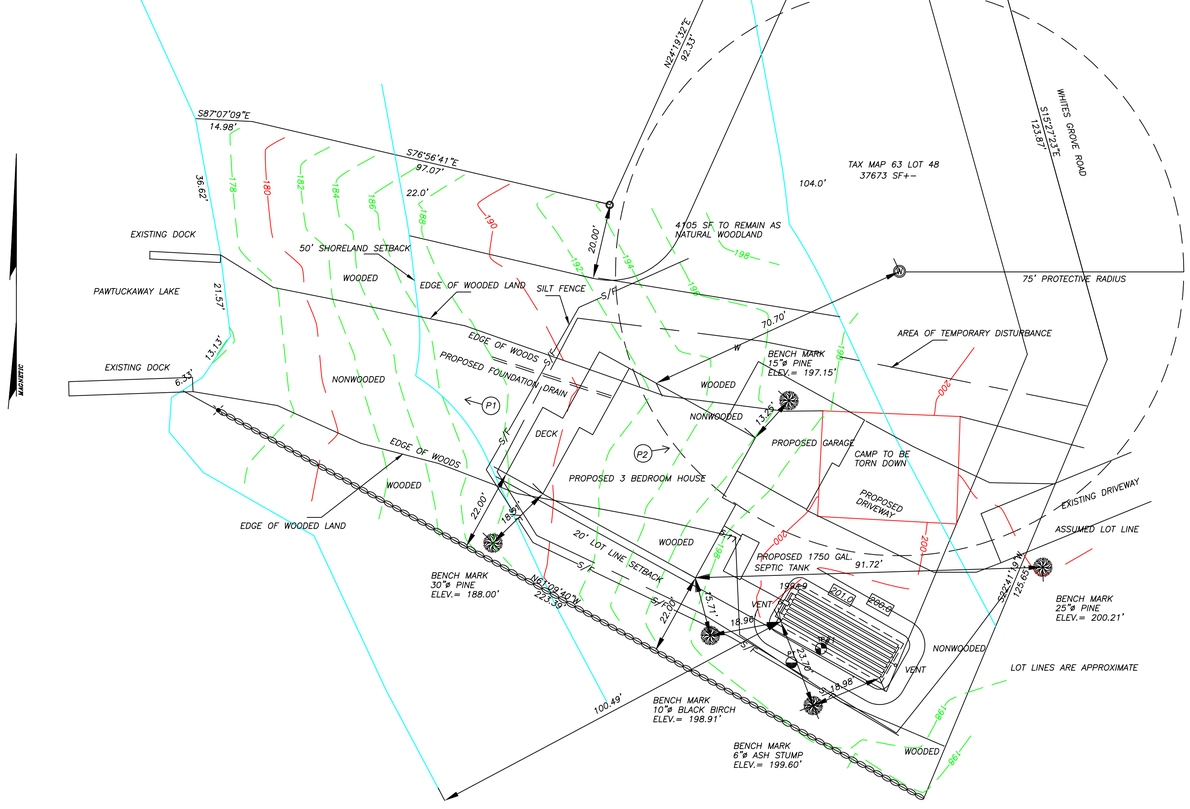
ROOTS TO 39"
LEDGE NONE TO 56"
WATER NONE TO 56"
S.H.W.T. EST. @ 38"
HARDPAN NONE TO 56"
PT PERC TEST 10 MIN./IN. AT 28 "





PUMP DETAIL

ALARM ON 24" FROM BOTTOM
PUMP ON 22" FROM BOTTOM
PUMP OFF 12" FROM BOTTOM
PUMP MODEL MYERS ME3H
DOSE VOLUME 100 GAL.
ALARM TO BE LOCATED IN BUILDING IN VISIBLE LOCATION
PUMP AND ALARM TO BE SEPARATE CIRCUITS



A WETLANDS INVESTIGATION WAS PERFORMED IN ACCORDANCE WITH ENV-WQ 1014.06 BY ROSCOE BLAISDELL. NO WETLANDS FOUND.

WETLANDS HAVE BEEN DELINEATED IN ACCORDANCE WITH ENV-WQ 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. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAKE SURE ALL FINAL GRADING WORKS PROPERLY TO AVOID EROSION. BMP TO BE USED.

LEACH BED REQUIREMENTS

PERC. RATE: 1" PER 10 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:

THE BOTTOM OF THE EFFLUENT DISPOSAL AREA SHALL BE CONSTRUCTED AT 199.5 ELEVATION.
THERE IS APPROXIMATELY 0.4 FOOT 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 OVER.

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 SHAPING 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

VICINITY PLAN

SUBSURFACE SEPTIC DESIGN FOR LOT NO. 48 TAX MAP 63

WHITE SUBDIVISION
SITUATED IN THE TOWN OF
NOTTINGHAM

STATE OF N.H.-D.E.S. - S.S.B. SUBDIVISION APPROVAL NO. N/A PRE 1967 SUBDIVISION

OWNER: THOMAS & ANDREA KINGSTON
5 HICKORY LANE
SOMERSWORTH, NH 03878
(603)-393-3908
PROPERTY LOCATION: 14 WHITE'S GROVE ROAD

APPLICANT: BLAISDELL SURVEY, LLC
22 SCRIBNER ROAD, RAYMOND, NH. 03077
PHONE: (603)895-9947
DESIGNER PERMIT NO. 1439
RBLAISDELL1@COMCAST.NET
DATE: 1/07/20 FB #36
SCALE: 1"=20' JOB #2637

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ★★★ Roscoe T. Blaisdell No. 1439 Department of Environmental Services