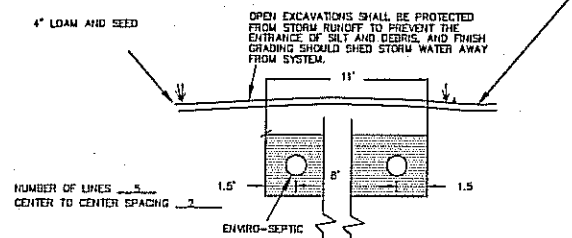
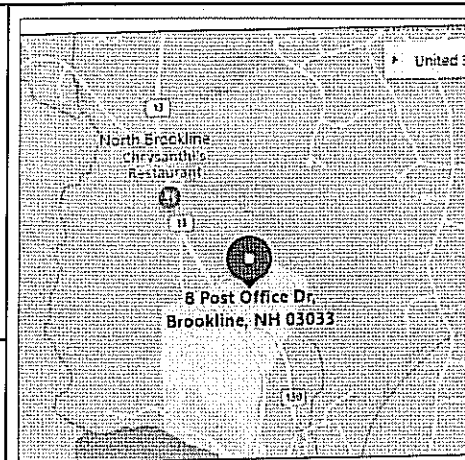
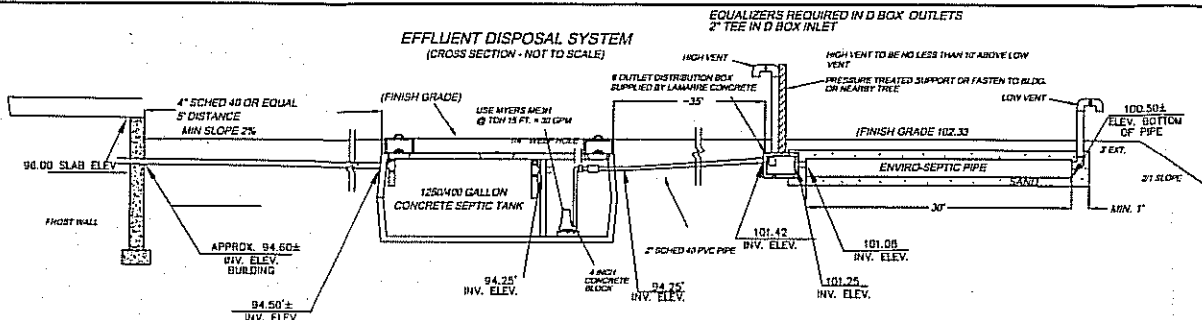


ENVIRO-SEPTIC[®]
PATENT PENDING

TYPICAL END CROSS SECTION



EFFLUENT DISPOSAL SYSTEM (CROSS SECTION - NOT TO SCALE)



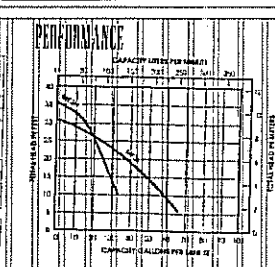
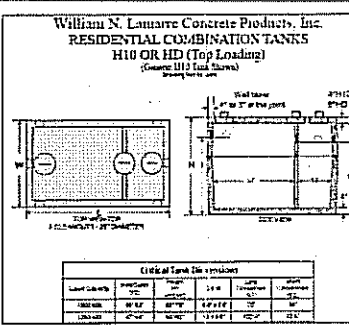
LOCUS (NTS)

KEY ELEVATIONS

SLAB +/-	96.00'
BUILDING OUT:	94.60
SEPTIC TANK IN:	94.50
SEPTIC TANK OUT:	94.25
PUMP OUT	94.25
PUMP	90.58
D-BOX IN:	101.42
D-BOX OUT:	101.25
PRESBY INVERT	101.08
BASE PRESBY PIPE	100.50
TOP OF PIPE	101.50
COVER	102.33

TEST PIT LOG

DATE: AUGUST 2, 2022	
0-11" A	10YR 3/2 SANDY LOAM
11-24" B	10YR 5/8 SANDY LOAM
24"-76" C	2.5Y 5/3 LOAMY SAND 30% COBBLES AND BOULDERS
48" SHWT NO OBSERVED WATER	
LEAKY: 48" O' KEEP	
LEAKY: N/D	
PERC TEST 30" DEEP 6 MBL/INCH	



PUMP DESIGN NOTES & SPECIFICATIONS

- PUMP CAPACITY REQUIRED: 30 GPM @ 15 FT. (TOTAL DYNAMIC HEAD).
- PUMP LINE RECOMMENDED: 2.0" SCHED 40 PVC PIPE. PUMP CHAMBER 400 GALLON BY LAMARRE CONCRETE OR EQUAL.
- PUMP RECOMMENDED: MEYERS WESH 3/10 HP 30 GPM @ 9 FT. TDH & SHOULD BE SET TO DOSE SYSTEM 6 TIMES DAILY 300/6 = 50 GALS./DOSE. OFF FLOAT TO BE SET AT 6" ABOVE BOTTOM OF PUMP CHAMBER. ON FLOAT TO BE SET AT 11" ABOVE BOTTOM OF PUMP CHAMBER. ALARM FLOAT TO BE SET AT 18" ABOVE BOTTOM OF PUMP CHAMBER. WITH A RUN TIME OF APPROXIMATELY 1.7 MINUTES. PUMP SHALL BE EQUIPPED WITH A HIGH LEVEL ALARM WITH BELL IN BUILDING ON A SEPARATE CIRCUIT FROM PUMP AND SWITCHES. 5) ALL ELECTRICAL CONTACTS AND RELAYS SHOULD BE MOUNTED OUTSIDE THE PUMP CHAMBER TO PROTECT THEM FROM CORROSION. PROVISIONS SHOULD ALSO BE MADE TO PREVENT THE GASES FROM FOLLOWING THE ELECTRICAL CONDUITS INTO THE CONTROL BOX. 1/4 INCH DRAIN BACK HOLE TO BE INSTALLED.
- PUMP CHAMBER SHALL BE WATERIGHT.
- PUMP SHOULD BE INSPECTED AND PUMP CHAMBER CLEANED OF SEDIMENTS AT THE TIME OF SEPTIC TANK PUMPING.
- THE PUMP SHALL INCLUDE A WATERPROOF CONTROL PANEL TO BE MOUNTED OUTSIDE OF TANK.
- ALARM SHALL BE ON SEPARATE CIRCUIT WITH BELL IN HOUSE.

GENERAL NOTES

- PLAN DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY OR ENGINEERED SITE PLAN. SEE SUBDIVISION PLAN BY MERIDIAN LAND SURVEY.
- ANY DISCREPANCY BETWEEN THESE PLANS AND THE APPARENT FIELD CONDITIONS TO BE REPORTED TO THE DESIGNER PRIOR TO CONSTRUCTION. THERE ARE NO WELLS WITHIN 75' OF PROPOSED SYSTEM. THERE ARE NO POORLY DRAINED SOILS WITHIN 75' OF SYSTEM AND TANK. LEACHING AREA IS OVER 75' TO SURFACE WATER AND VERY POORLY DRAINED SOILS.
- ALL WORK IS TO COMPLY WITH THE NH DES SUBSURFACE Wq 1000 RULES AND THE TOWN OF BROOKLINE REGULATIONS.
- CONTRACTOR TO GIVE THE DESIGNER 48 HOURS NOTICE FOR AMENDED PLANS IF NEEDED.
- IF ANY PART OF THIS DESIGN IS TO BE ALTERED IN ANYWAY, THE DESIGNER AND THE APPROVING AUTHORITIES SHALL BE NOTIFIED IN WRITING BEFORE CONSTRUCTION BEGINS.
- SYSTEM SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURING MANUALS.

SYSTEM SPECIFICATIONS

- PROPOSED WAREHOUSE FOR A FLOORING BUSINESS 300 GPD 15 EMPLOYEES X 10 GPD = 150 GPD (MINIMUM COMMERCIAL SIZING IS 300 GPD) 2 BATHROOMS NO SHOWERS OR CAFETERIA. TANK SIZE REQUIRED 1250 PROVIDED 1250 GALLON WITH A 400 GALLON PUMP CHAMBER PERCOLATION RATE 6 MPH PRESBY MANUAL REQUIRES 140 LINEAR FEET, 150 PROVIDED LINEAR FEET PIPE FOOTPRINT 30' X 9' SAND BED FOOTPRINT 32' X 11' SYSTEM REQUIRES 15 PRESBY PIPES 10 END CAPS AND 10 CONNECTORS CENTER TO CENTER SPACING 2.0'
- ENVIRO-SEPTIC PRODUCT MANUFACTURED BY PRESBY ENVIRONMENTAL, INC., 143 AIRPORT ROAD, WHITEFIELD, NEW HAMPSHIRE 03598, 800-473-5298, COMPANY WEBSITE: WWW.PRESBYENVIRONMENTAL.COM.
- 1250/400 GALLON TANK BY LAMARRE CONCRETE OR EQUAL. 1250 SEPTIC TANK AND 400 GALLON PUMP CHAMBER D BOX TO BE 6 OUTLET BY LAMARRE OR EQUAL. EQUALIZERS IN D BOX OUTLETS REQUIRED.

SAND SPECIFICATION

ALL TREES, TOPSOIL, ROOTS AND ORGANIC MATTER SHALL BE REMOVED FROM THE AREA TO BE FILLED. BACKFILL SOIL IS TO BE PRESBY APPROVED SAND OR SAND MEETING THE SPECIFICATIONS ASTM C33 SAND AN EFFECTIVE SIZE OF 0.25 TO 2.0 MM, NO GREATER THAN 3% PASSING THE NUMBER 200 SIEVE, AND NO PARTICLES LARGER THAN 3/4 INCH (PRESBY MANUAL 2019 EDITION).

DESIGN INTENT

THE BOTTOM OF THE INDIVIDUAL SEWAGE DISPOSAL SYSTEM (ISDS) SHALL BE CONSTRUCTED AT 100.50 ELEVATION. THAT IS 1.5' BELOW GRADE BASED ON ORIGINAL GROUND LEVEL AT THE HIGH CONTOUR 102.00

THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE ADJOINING LOTS WITHIN 100' OF PROPOSED ISDS

IT HAS BEEN VERIFIED IN ACCORDANCE WITH ENV Wq 1014.06 THAT THERE ARE NO WETLANDS NO POORLY DRAINED SOILS WITHIN 50', OR VERY POORLY DRAINED SOILS WITHIN 75' OF SYSTEM AND TANK

OWNER INFORMATION

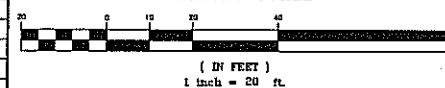
OWNER: FLAWLESS FLOORS (IAN SARBACKER)
PO BOX 862 PEPPERELL MA. 01463 PHONE # 978 302 8801
EMAIL: FLAWLESS FLOORS 77@CHARTER.NET
SITE ADDRESS 8 POST OFFICE ROAD BROOKLINE, NH. 03033
TAX MAP # F-4-3 LOT 15 1.44 ACRES +



LEGEND

IRON PIN	WETLAND
GRAVITY BOUND	DRAIN HOLE
UTILITY POLE	TREE LINE
STONE WALL	SETBACK LINE
ANGLE POINT	STOCKADE FENCE
WELL	CHAMBER FENCE
BENCHMARK	

GRAPHIC SCALE



SOILSMITH DESIGNS
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(603) 487 2298
SOILSMITH@AOL.COM

FLAWLESS FLOORS
8 POST OFFICE ROAD
BROOKLINE NH. 03033

TAX MAP # F LOT 4-3
NH DES STATE SUBDIVISION SA 2000002169
AUGUST 29, 2022

SHEET NO. 1 OF 1

Review Copy