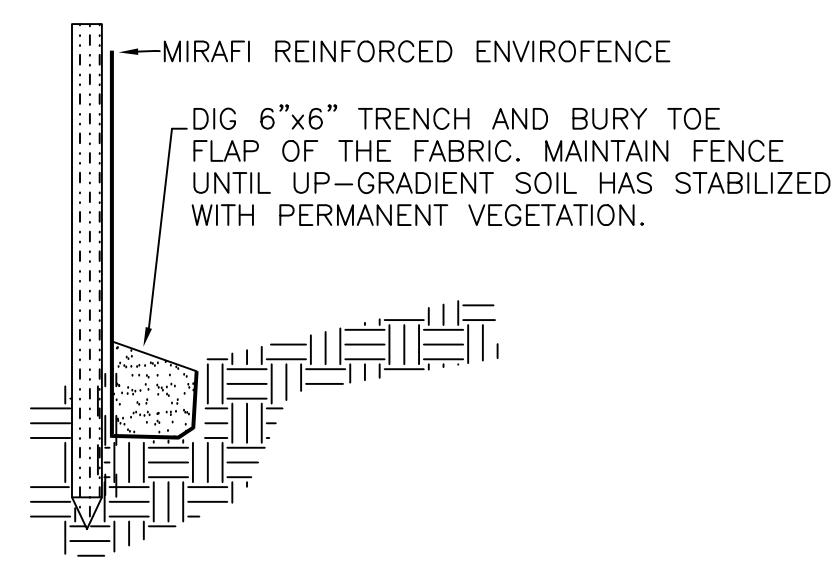
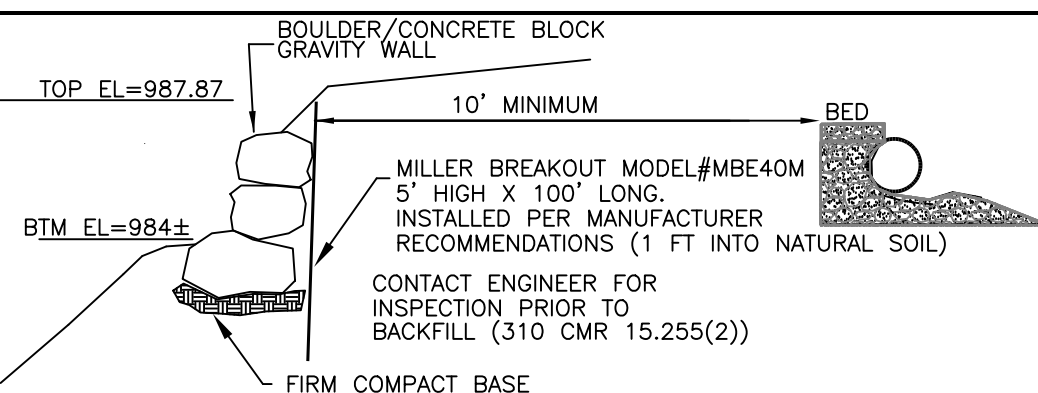


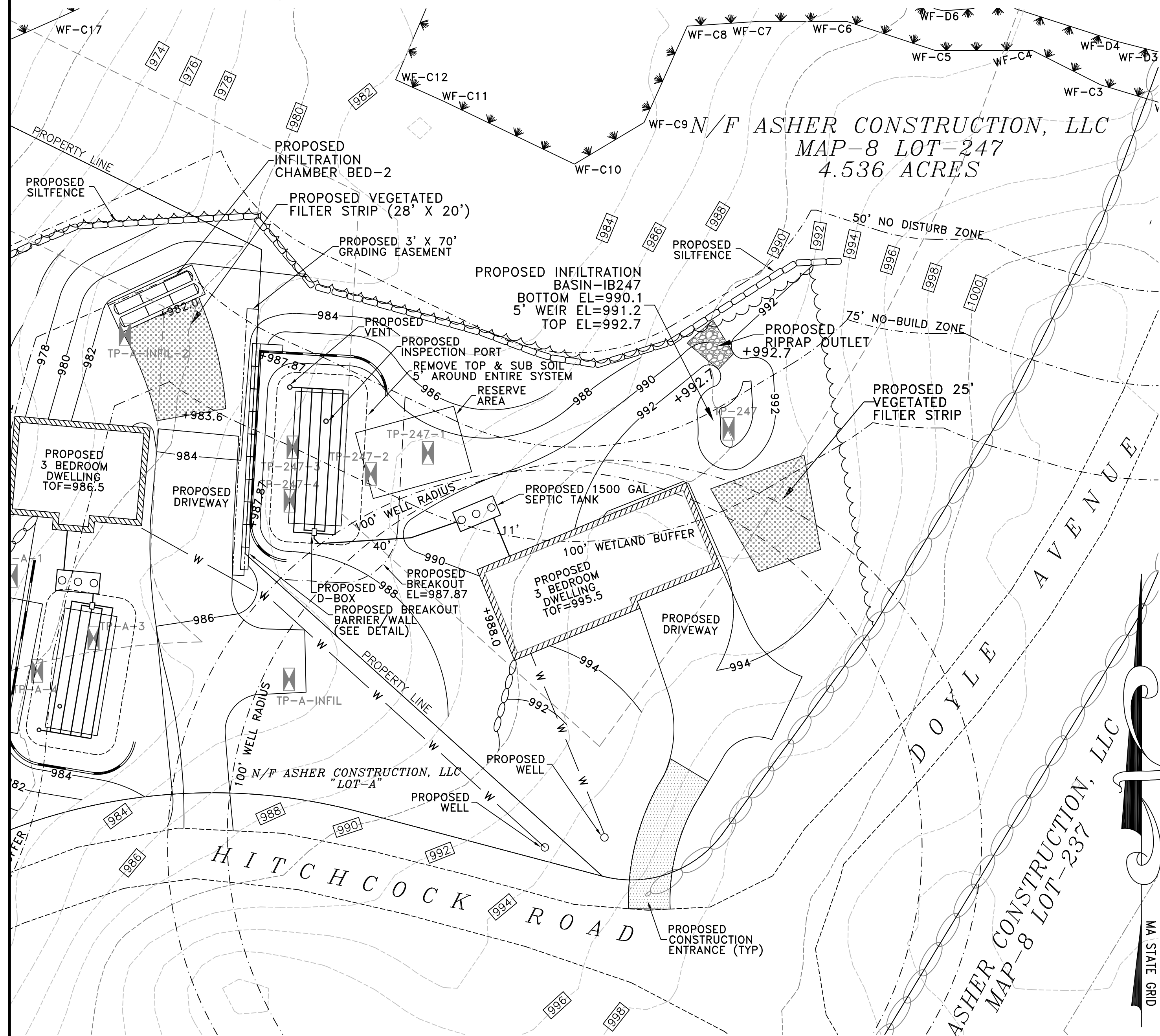
LOCUS NTS



SILT FENCE N.T.S.



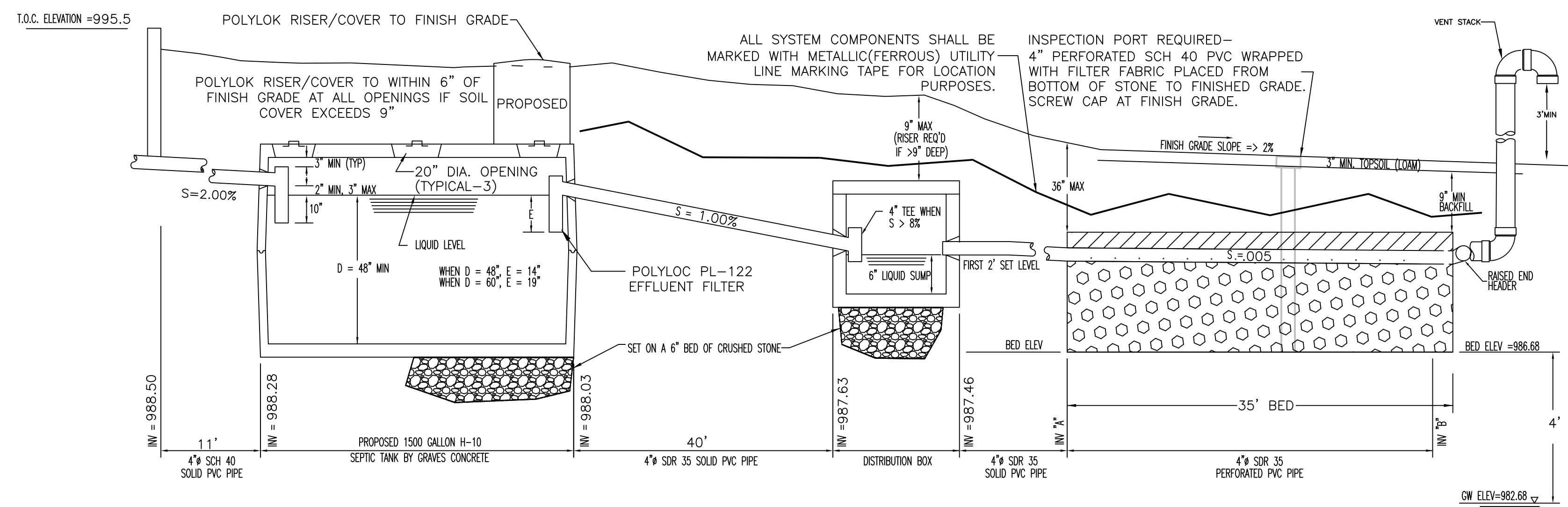
BREAKOUT BARRIER/ WALL DETAIL N.T.S.



N/F DOODY FAMILY REALTY TRUST
MAP-8 LOT-68



N/F ASHER CONSTRUCTION, LLC
MAP-8 LOT-237
MA STATE GRID



SCHEMATIC PROFILE N.T.S.

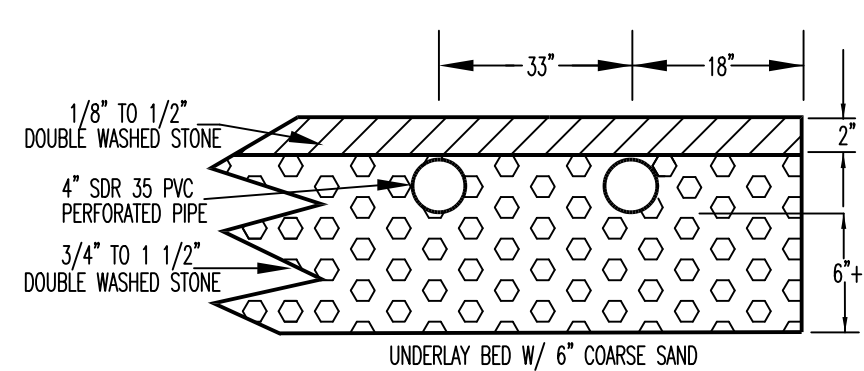
BED #	PIPE INV 'A'	PIPE INV 'B'	BED ELEV	END. H2O EL.	EX. GROUND.
1	987.36	987.18	986.68	982.68	985.1

DESIGN CRITERIA

- Estimated Hydraulic Loading
3 bedrooms at 110 gpd/day/bedroom = 330 gpd
Garbage disposal shall not be allowed with this system.
- Septic tank size = 1500 gallons
- Leaching Area Design Criteria
Percolation Rate = 7 mpm
Soil Class Type = I (LOAMY SAND)
Allowable Loading Rate = 68 gpd/sf
Required Leaching Area = 330 gpd / 68 gpd/sf = 4.86 sf
Leaching Area Provided = 1 bed x 35 ft bed length x 14 ft bed width = 490 sf
- Breakout
Breakout Elevation = 987.86
Breakout Distance = 15 ft
Distance Provided = 10 ft (W/ BARRIER)

LEGEND

- 242 EXISTING CONTOUR
- 242 PROPOSED CONTOUR
- TP-1 DEEP HOLE TEST PIT
- PH-1 PERCOLATION TEST
- + 238.6 PROPOSED SPOT ELEVATION



TYPICAL LEACH BED SECTION N.T.S.

GENERAL NOTES

- Unless otherwise noted, property lines shown are compiled from existing plans and deeds of record. Proposed buildings and septic system should be located by instrument survey prior to construction.
- All construction to conform to 310 CMR 15.000, "The State Environmental Code, Title 5" and the Board of Health requirements for the Town of Winchendon.
- The contractor shall install the system exactly as shown on this plan. If changes are necessary, the contractor must contact the Engineer in advance.
- Heavy machinery shall not be permitted to pass over the leaching area and the contractor shall stake and flag the soil absorption/leaching area perimeter upon completion.
- All piping shall be polyvinyl chloride (PVC) pipe per ASTM D1785 for sch.40 and ASTM D3034 for SDR35 where indicated on the profile, unless otherwise noted.
- The septic tank shall be a Graves Concrete H-10 1500 gallon monolithic tank.
- The distribution box (D-box) shall be a 5 outlet reinforced concrete box of H-10 load design (min.) with a watertight cover and conform to all the requirements of 310 CMR 15.232.
- All topsoil, subsoil and impervious material, if any, must be excavated and removed below and 5' beyond the soil absorption system area. Fill material shall consist of a clean granular sand, free from organic matter and deleterious substances. Mixtures and layers of different classes of soil not be used. The sand fill shall not contain any material larger than 2 inches. A sieve analysis, using a #4 sieve, shall be performed on a representative sample of the fill. Up to 45% by weight of the fill sample may be retained on the #4 sieve. Sieve analyses also shall be performed on the fraction of the fill sample passing the #4 sieve, such analyses must demonstrate that the material meets or exceeds each of the following specifications: 100% passing #4 sieve; 10%-100% passing #50 sieve; 0%-20% passing #100 sieve; 0%-5% passing #200 sieve. (11/95 DEP SPEC)
- For proper performance, septic tank should be inspected at least once a year and pumped when the top of the sludge or solids layer is within 12" or less of the bottom of the outlet tee or the bottom of the scum layer is within 2 inches of the bottom of outlet tee (every 2 or 3 years). INSPECT & CLEAN THE TANK OUTLET FILTER EVERY YEAR!
- There are no other wells located within 150 feet of the proposed system.

SOIL TEST DATA

DEEP HOLE & PERC TESTS
PERFORMED BY: TREVOR FLETCHER, S.E. & JOSHUA JOSLYN, P.E.
WITNESSED BY: JIM ABARE & STEVE CALICHMAN, B.O.H. WINCHENDON
DATE: OCTOBER 16, 2023

DEEP HOLE #	TEST	DEPTH	PERC RATE	NOTES
TP-247-1	PERC	30"	4 MPI	
TP-247-2	PERC	25"	7 MPI	

NO.	DESCRIPTION	DATE	BY	DESIGNED BY TWF	PROPOSED SINGLE FAMILY RESIDENCE SEPTIC SYSTEM & NOI PLAN MAP-8 LOT-247 49 DOYLE AVE; WINCHENDON, MA 01475 PREPARED FOR: ASHER CONSTRUCTION, LLC 77 NASHUA ROAD SHARON, NH 03458
				DRAWN BY TWF	
				CHECKED BY PFG	
				DATE 2-12-24	
				SCALE 1"=20'	
				JOB NUMBER 21183	GRAZ Engineering, LLC 323 WEST LAKE RD.; FITZ WILLIAM, NH 03447; (603) 585-6959