



GENERAL NOTES

ZONING

ZONE: RURAL RESIDENTIAL

REQUIRED	AREA
FRONT YARD	60,000 SF
REAR YARD	200
SIDE YARD	20'
REAR YARD	20'

LEGEND

- STONE WALL
- TREE LINE
- SMH SEWER MANHOLE
- DMH DRAIN MANHOLE
- W WELL
- EC EROSION CONTROL
- PROPOSED CONTOUR
- EXISTING CONTOUR
- CATCH BASIN
- BENCH MARK
- UTILITY POLE
- FIRE HYDRANT
- DHC DEEP HOLE
- PROPOSED SPOT ELEV.
- EXISTING SPOT ELEV.

SOIL TEST DATA

TEST PERFORMED BY: WILLIAM HALSING, #2823
 TEST WITNESSED BY: WILLIAM RICHARDS
 DATE PERFORMED: 11/14/06

DH-1
 Ground Elevation: 424.0
 0-12" A 10YR3/1, Loamy Sand, Granular, Friable
 12-36" B 10YR6/6, Loamy Sand, Blocky, Friable
 36-108" C 10YR6/1, Loamy Sand, Massive, Friable
 Redoximorphic Features at: 421.0 (36")
 Percolation Rate: 9 mpi

DH-2
 Ground Elevation: 424.2
 0-14" A 10YR3/1, Loamy Sand, Granular, Friable
 14-36" B 10YR6/8, Loamy Sand, Blocky, Friable
 36-114" C 10YR6/1, Loamy Sand, Massive, Friable
 Redoximorphic Features at: 421.2 (36")
 Percolation Rate: 10 mpi

DESIGN DATA

NO GARBAGE GRINDER ALLOWED.
 SEPTIC TANK VOLUME: 1500 GAL
 DESIGN PERC RATE: 10 MIN/INCH
 LTRAR= 0.60 GPD/SF

LEACHING AREA REQUIRED: 440 GPD / 0.60 GPD/SF = 734 SF
 LEACHING AREA PER FOOT OF TRENCH = $2(2) + \frac{3}{7} = \frac{7}{7}$ SF/FT
 TRENCH LENGTH REQ. = LEACH. AREA REQ. / TRENCH AREA = $\frac{734}{7} = 105$ LF
 LEACH AREA PROVIDED = # OF TRENCHES x L x W = 3 x 35 x 7 = 735 SF
 LEACHING AREA REQUIRED > LEACH AREA PROVIDED

DESIGN ELEVATIONS

TOP OF FOUNDATION	431.40	INV @ SEPTIC TANK OUTLET	427.90
CELLAR SLAB	423.9	INV @ D-BOX INLET	427.80
INV @ FOUNDATION	428.40	INV @ D-BOX OUTLET	427.60
INV @ SEPTIC TANK INLET	428.15		
INV @ BEGINNING OF TRENCH	427.38		
INV @ END OF TRENCH	427.38		
TOP OF TRENCH	427.68		
BOTTOM OF TRENCH	425.20		

SUBSURFACE SEWAGE DISPOSAL SYSTEM / SITE PLAN

CLIENT: William Halsing
 74 Northbridge Road Realty Trust
 2 Lowell Drive
 Mendon, MA 01756

LOCATION: 74 Northbridge Road
 Mendon, MA

DATE: 9/28/20 SCALE: 1"=20'
 DRAWING NO.: 1 OF 1 JOB NO: WH
 DESIGNED BY: WH
 CHECKED BY: NGH

DATE REVISION DESCRIPTION DRAWN CHK

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