



Scott Miccile

KEY

SEPTIC TANK	ST
DISTRIBUTION BOX	DB
EXISTING CONTOURS	---
PROPOSED CONTOURS	---
EXISTING ELEVATIONS	100.0
PROPOSED ELEVATIONS	(100x0)
BENCHMARK	B.M.
PUBLIC WATER	W
UNDERGROUND UTILITIES	U
PERC TEST HOLE	+
DEEP SOIL OBSERVATION HOLE	+
100' BUFFER LINE	B

**WAIVER REQUEST**

- A WAIVER REQUEST IS BEING MADE IN ACCORDANCE WITH 310 CMR 15.405 FOR THE FOLLOWING SETBACKS REQUIRED IN 310 CMR 15.211 (1)
  - REDUCTION OF THE SETBACK TO GROUNDWATER FROM 5' TO 4'
- A WAIVER REQUEST IS BEING MADE IN ACCORDANCE WITH 310 CMR 15.405 (1) A SIEVE ANALYSIS MAY BE PERFORMED IN ACCORDANCE WITH DEPARTMENT GUIDANCE IF A PERCOLATION TEST IN ACCORDANCE WITH 310 CMR 15.104 AND 15.105 CAN NOT BE PERFORMED AS DETERMINED BY THE LOCAL APPROVING AUTHORITY.

DESIGN ELEVATIONS

TOP OF FOUNDATION	102.32
SLAB ELEVATION	94.82
INV. AT FOUNDATION	97.82 (EX.)
INV. AT SEPTIC TANK INLET	97.55
INV. AT SEPTIC TANK OUTLET (VERIFY)	97.30
INV. AT DIST. BOX INLET	96.90
INV. AT DIST. BOX OUTLET	96.73
INV. AT BEGIN OF LEACHING BED	96.70
INV. AT END OF LEACHING BED	96.50
EL. AT BOTTOM OF LEACHING BED	96.00
ELEV. OF GROUND WATER	92.00
ELEV. OF REFUSAL	N/A

WITNESSED BETH HALLEL  
SOIL EVALUATOR PETER LAVOIE ON 5/5/14

DTH#1		
96.00	A S.L. 10VR3/3	60" WATER
		N/A LEDGE
93.50	B L.S. 10VR5/8	48" MOTTLES
		*SIEVE PERC
93.17		CLASS 1 SOIL
	C M.S. 5Y6/3	74" M.S. 5Y6/3
85.00		

PERC#1 2 MIN/INCH

NOTES:

- BENCHMARK TO BE SET WITHIN 50' OF THE PROPOSED LEACHING AREA PRIOR TO CONSTRUCTION.
- THERE ARE NO EXISTING WELLS WITHIN 100' OF THE PROPOSED LEACHING AREA OTHER WISE SHOWN ON THE PLAN.
- THERE ARE NO PROPOSED WELLS WITHIN 100' OF THE PROPOSED LEACHING AREA.
- TEST HOLE ELEVATIONS FROM ON THE GROUND SURVEY.
- EXISTING LOT IS SERVICED BY PRIVATE WELL.
- LOT IS NOT IN THE AQUIFER PROTECTION DISTRICT, FLOOD PLAIN DISTRICT.
- MAGNETIC TAPE TO BE PLACED ON TOP OF SEPTIC TANK, D-BOX AND ALL ACTIVE LINES IN THE PROPOSED LEACH FIELD.
- I CERTIFY THAT I HAVE LOCATED THE WATER SERVICE & WELL FOR 241 NORTH WHEATON AVENUE IS SHOWN CORRECTLY ON THE PLAN.

CONSTRUCTION NOTES:

- SEPTIC TANK AND DISTRIBUTION BOX SHALL BE INSTALLED LEVEL AND TRUE TO GRADE ON A LEVEL STABLE BASE THAT HAS BEEN MECHANICALLY COMPACTED AND ON TO WHICH 6" OF CRUSHED STONE HAS BEEN PLACED. IN FILL PROPER COMPACTION IS REQUIRED TO ENSURE STABILITY AND TO PREVENT SETTLING.
- FILL SHALL BE PLACED IN NOT GREATER THAN 12" INCREMENTS AND COMPACTED BY DOZER TO THE SATISFACTION OF THE ENGINEER.
- ALL EXTRA KNOCKOUTS IN SEPTIC TANK AND DISTRIBUTION BOX ARE TO BE SEALED WITH HYDRAULIC CEMENT.
- MAXIMUM COVER OVER ANY COMPONENT OF THE SEPTIC SYSTEM SHALL NOT EXCEED 36" REQUESTING WAIVER FOR COVER, ADDING VENT TO FIELD.
- MINIMUM COVER OVER ANY COMPONENT OF THE SEPTIC SYSTEM TO BE 9" PRIOR TO PLACEMENT OF 3" MIN. TOPSOIL.
- LOCATOR TAPE TO BE PLACED OVER THE SEPTIC TANK, D-BOX & LINES WITHIN THE BED CONFIGURATION.

DESIGN NOTES:

- ALL TOPSOIL, SUBSOIL AND OTHER IMPERVIOUS MATERIAL SHALL BE EXCAVATED TO PERVIOUS MATERIALS.
- THE INSTALLATION OF PROPOSED SYSTEM SHALL BE DONE IN CONFORMANCE WITH LOCAL AND STATE BOARD OF HEALTH REGULATIONS
- NO PORTION OF THIS SYSTEM SHALL BE ALTERED WITHOUT APPROVAL FROM THE BOARD OF HEALTH AND THE DESIGN ENGINEER.
- FILL MATERIAL FOR SYSTEMS CONSTRUCTED IN FILL SHALL CONSIST OF SELECT ON-SITE OR IMPORTED SOIL MATERIAL, CONSISTING OF CLEAN GRANULAR SAND FREE FROM ORGANIC MATTER AND DELETERIOUS SOIL SUBSTANCES, MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOIL SHALL NOT BE USED. A SIEVE ANALYSIS SHALL BE PERFORMED IN ACCORDANCE WITH 310 CMR 15.255(3).
- THIS SYSTEM IS NOT DESIGNED TO NOT ACCOMMODATE FOR A GARBAGE DISPOSAL.
- THIS PLAN REFERS TO ASSESSORS ATLAS SHEET 3 LOT 13.
- OFFSETS NOT TO BE USED FOR THE REPRODUCTION OF PROPERTY LINES.
- ALL INSPECTIONS NECESSARY FOR THE CERTIFICATION OF THE SEPTIC SYSTEM AND THE PREPARATION OF AN AS-BUILT PLAN ARE TO BE PERFORMED BY THE DESIGN ENGINEER.

FLOW INFORMATION

TYPE OF BUILDING	RESIDENTIAL
EMPLOYEES	N/A
DISPOSAL	NO
BEDROOMS	EXISTING 3 BEDROOMS
PERSONS	N/A
OTHER	N/A
DAILY FLOW	3x110=330 GPD
USE:	12'x38'L BED w/2 LINES @ 4' O.C. EXISTING 1,000 GAL. SEPTIC TANK 5 OUTLET D-BOX

LEACHING FACILITY DESIGN CRITERIA

PERC. DESIGN RATE 2 MIN./INCH  
SOIL CLASS 1 FLOW 330 E.L.R. 0.74  
NITROGEN SENSITIVE ZONE YES/NO NO  
E.L.R. = PERC. RATE FACTOR

REQUIRED  
FLOW = 3 x 110 = 330 gpd  
AREA = 330 / 0.74 = 446 S.F.

PROVIDED  
AREA = 12' x 38' = 456 S.F. > 446 S.F.  
FLOW = 456 x 0.74 = 337 > 330 OK

"LOCAL UPGRADE"  
SITE DEVELOPMENT PLAN  
IN  
SEEKONK, MA  
SCALE: 20 FEET TO AN INCH  
DATE: MAY 15, 2014

6/1/14 ADDED WETLAND LINE AND BUFFER

OWNER & ADDRESS: RON RAPOSA  
241 NORTH WHEATON AVENUE  
SEEKONK MA 02771

**Landmark Site Design**  
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