



GENERAL NOTES:

1. ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF SEEKONK BOARD OF HEALTH RULES AND REGULATIONS AND TITLE 5, THE STATE ENVIRONMENTAL CODE.
2. THIS PLAN IS TO BE USED FOR THE CONSTRUCTION OF THE DESIGN DISPOSAL SYSTEM. THIS PLAN DOES NOT REPRESENT ACTUAL AS BUILT CONDITIONS UNLESS OTHERWISE NOTED.
3. THE PROPOSED SYSTEM SHOWN HEREON IS NOT DESIGNED FOR THE USE OF A GARBAGE DISPOSAL AND SAID USE IS NOT ALLOWED.
4. THE SEPTIC TANK SHOULD BE PUMPED OUT EVERY ONE TO TWO YEARS DEPENDING ON USE.
5. ALL BASE AGGREGATE FOR LEACHING STRUCTURES SHALL CONSIST OF 3/4" TO 1 1/2" DOUBLE WASHED STONE FREE OF IRON, FINES, AND DUST IN PLACE.
6. TIGHT JOINT PIPING TO CONSIST OF POLYVINYL CHLORIDE PIPE (PVC) SCHEDULE 40, UNLESS OTHERWISE NOTED.
7. NO PERMANENT STRUCTURE MAY BE CONSTRUCTED OVER THE SEPTIC SYSTEM AREA.
8. BEFORE BEGINNING ANY EXCAVATION OR DEMOLITION CALL 'DIG SAFELY' AT 1-888-344-7233 TO NOTIFY MEMBER UTILITIES.
9. THE GRADE ABOVE AND ADJACENT TO THE LEACHING FACILITY SHALL BE SLOPED TO PREVENT THE ACCUMULATION OF SURFACE DRAINAGE (2% MINIMUM SLOPE).
10. THE OVER-DIG AREA (O) AS SHOWN HEREON IS TO BE STRIPPED OF ALL TREES, BRUSH, STUMPS, TOPSOIL, PEAT, OR OTHER IMPERVIOUS MATERIALS. THE (O) AREA EXTENDS 5 FEET HORIZONTALLY AROUND THE PROPOSED SYSTEM AND TO THE DEPTH SPECIFIED. THE REPLACEMENT MATERIAL SHALL MEET SPECIFICATIONS OF 310 CHR 15.255 OF THE STATE ENVIRONMENTAL CODE.
11. ANY SOILS ASSOCIATED WITH EXISTING FAILED LEACHING FACILITIES SHALL BE REMOVED AND REPLACED WITH MATERIAL MEETING SPECIFICATIONS OF 310 CHR 15.255 OF THE STATE ENVIRONMENTAL CODE.
12. THERE SHALL BE NO BACK FILLING PRIOR TO ENGINEERING AND BOARD OF HEALTH INSPECTION AND APPROVAL.
13. INSPECTION PORT TO BE 4" PERFORATED WITH SCREW TYPE CAP INSTALLED TO WITHIN 3" OF FINAL GRADE.
14. ALL SYSTEM COMPONENTS SHALL BE MARKED WITH MAGNETIC MARKING TAPE OR A COMPARABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED.
15. THE FINISHED GRADE OVER SEPTIC SYSTEM SHALL BE GRADED, LANDED, AND SEEDED.

DESIGN CALCULATIONS

FLOW SIZE FOR 2 BEDROOMS
 (2bedroom)(100gpd/bedroom) = 220 gpd 440 PEAK

SEPTIC TANK HS-10
 NEW 1900 GAL. TANK > 440

LEACHING FIELD:
 RATE = (1/66) sf/gpd FOR PERC = 8mpf CLASS 1
 MINIMUM SIZE: (220gpd)(1/66sf/gpd) = 334 sf
 USE LEACHING FIELD 12'x28'-336sf

PUMP CHAMBER HS-10
 CHAMBER CAPACITY: 1000 GAL
 USE A 54 GAL DISC +2 GAL
 BACK FLOW=56 GAL TOTAL DOSE
 DEPTH OF DOSE: 0.24'
 RESERVE VOLUME REQUIRED=220GAL
 DEPTH OF RESERVE VOLUME REQUIRED=0.92'

LEGEND

DEEP OBSERVATION HOLE TP#1
 EXISTING SPOT GRADE 47x4
 SEPTIC TANK
 PROPOSED FINISHED CONTROL
 PUMP CHAMBER
 CLEAN-OUT
 WATER SERVICE
 UTILITY LINE
 SILT FENCE
 WETLAND LINE/FLAG
 WETLAND OFFSETS

REVISIONS

DATE	DESCRIPTION	RDA

SEWAGE DISPOSAL SYSTEM REPAIR PLAN

LDT NUMBERS: 113, 114, 482 AREA OF LDT 9.0145f+- MAP NDI. 31

LDT ADDRESS: 56 SIMS AVE.

IN: SEEKONK, MA 02771

PREPARED FOR: BARBARA LINDELL

BY: 56 SIMS AVE. SEEKONK, MA 02771

SCALE: AS SHOWN

DATE: 1/4/10

DESIGNED BY: DRK

JOB NO: 10-100

FILE: 56-SIMS.dwg

OSD
 45 ASTRAVA AVENUE
 RIVERSIDE, RI
 (401) 438-6246

VARIANCE REQUESTS:

- 1) 310 CHR 15.404 (b) 'A MINIMUM OF FOUR FEET OF SEPARATION BETWEEN THE BOTTOM OF THE SOIL ABSORPTION SYSTEM AND THE HIGH GROUNDWATER ELEVATION SHALL BE PROVIDED, USING FILL, IF NECESSARY. THE LOCAL APPROVING AUTHORITY MAY ALLOW A THREE FOOT SEPARATION ONLY IN FULL COMPLIANCE WITH 310 CHR 15.405 (d) 'C'.
- 2) WE ARE REQUESTING A VARIANCE TO REDUCE THE MINIMUM GROUNDWATER SEPARATION OF FEASIBLE COMPLIANCE.
- 3) 310 CHR 15.405 (1)(c) CONTENTS OF LOCAL UPGRADE APPROVAL.
- 4) A SIEVE ANALYSIS MAY BE PERFORMED IN ACCORDANCE WITH DEPARTMENT GUIDANCE IF A PERCOLATION TEST IN ACCORDANCE WITH 310 CHR 15.174 AND 15.105 CAN NOT BE PERFORMED AS DETERMINED BY THE LOCAL APPROVING AUTHORITY.

WE ARE REQUESTING A VARIANCE TO ALLOW FOR A SIEVE ANALYSIS BE USED TO ESTABLISH A DESIGN PERCOLATION RATE IN PLACE OF A FIELD PERCOLATION TEST.

CONSTRUCTION NOTES:

- 1) OSD systems associates, Inc. TO BE NOTIFIED BY THE INSTALLING CONTRACTOR AT THE START OF CONSTRUCTION AND TO BE GIVEN 24 HOUR NOTICE FOR AS-BUILT.
- 2) GARBAGE DISPOSAL, IF PRESENT, IS TO BE REMOVED AS PART OF THIS SEPTIC SYSTEM REPAIR. SEE GENERAL NOTE #3.

PLAN REFERENCE:

1) MAP OF LAND IN SEEKONK MASSACHUSETTS PREPARED FOR PATTI GAMBRA, DATED SEPT. 1988, AND U.S. G.S. 2) SEWAGE DISPOSAL SYSTEM PLAN PREPARED FOR PATTI GAMBRA BY OSD ENGINEERING & ASSOCIATES, DATED OCTOBER 10, 2000

I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT AND THE WATER SERVICE CURB STOP TO LOTS #13, 114, 482 IS SHOWN ON THIS PLAN IS IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE SEEKONK WATER DISTRICT.

APPROVAL OF THIS SEPTIC SYSTEM REPAIR PLAN REQUIRES A DEED RESTRICTION FOR THE NUMBER OF BEDROOMS.

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