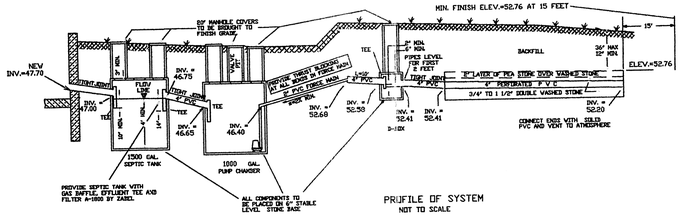
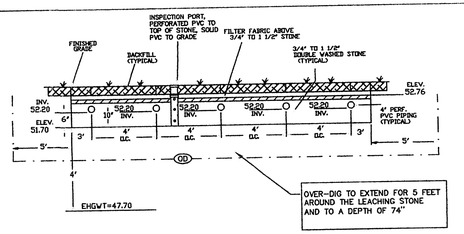
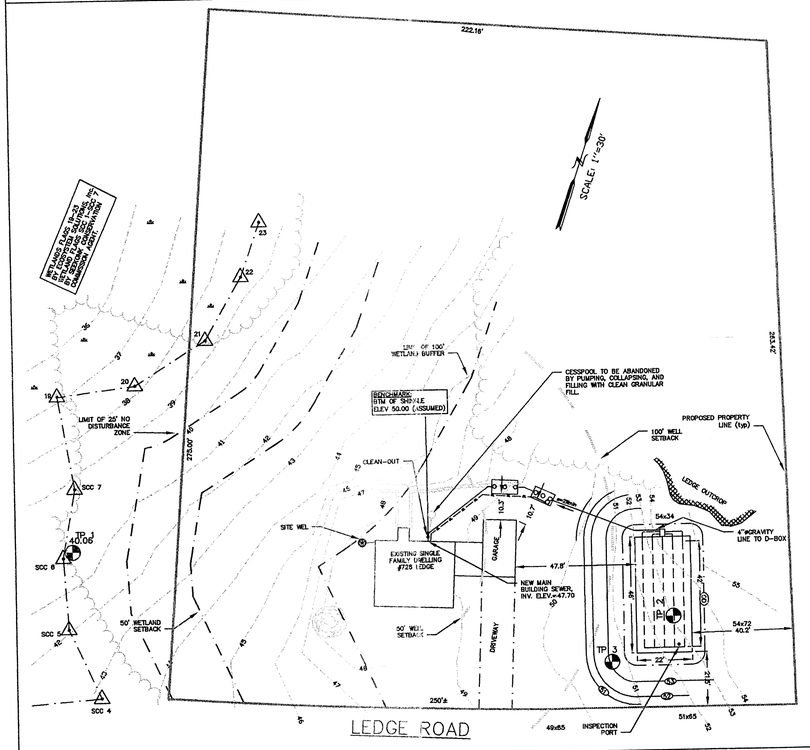


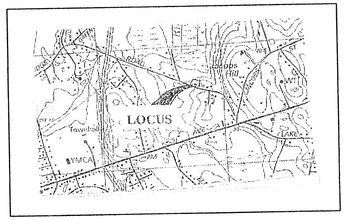
PROFILE OF SYSTEM
NOT TO SCALE



END SECTION THROUGH LEACH FIELD
NOT TO SCALE



LOCUS MAP



TEST PIT LOG
NOT TO SCALE

Date Excavated: 4/16/09
Logged by: DEAN MONSEES
Observed by: BETH HALLAL
Board of Health: SEEKONK
Geologic Material: TILL
Landform: DRUMLIN

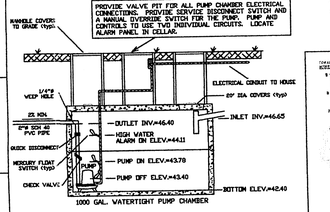
TEST PIT # 2

0"		53.20
12"	A– SANDY LOAM, 10YR 3/1	52.20
24"	B– SANDY LOAM, 10YR 5/8	51.20
36"		
48"	C1 – SANDY LOAM, 2.5Y 6/3	
60"	EHGWT=47.70–48"	
72"		46.53
84"	C2 – SANDY LOAM, 2.5Y 7/3	
96"		
108"		44.20
	Bottom	

TEST PIT LOG
NOT TO SCALE

Date Excavated: 4/16/09
Logged by: DEAN MONSEES
Observed by: BETH HALLAL
Board of Health: SEEKONK
Geologic Material: TILL
Landform: DRUMLIN
DESIGN PERCOLATION TEST RATE=30mpi
TEST PIT # 3

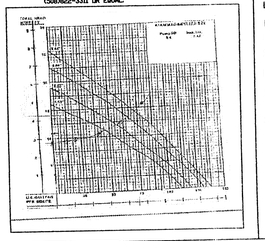
0"		50.85
12"	A– SANDY LOAM, 10YR 3/1	49.68
24"	B– SANDY LOAM, 10YR 5/8	48.52
36"	C1 – SANDY LOAM, 2.5Y 6/3	
48"	EHGWT=48.85–48"	46.85
60"		
72"	SAMPLE LAYER	
84"		
96"	C2 – SANDY LOAM, 2.5Y 7/3	
108"		
120"	Bottom	40.85



CROSS SECTION OF PUMP CHAMBER
NTS

SUBMERSIBLE SEWAGE PUMP & PUMP CHAMBER SPECIFICATIONS:

FURNISH AND INSTALL ONE PUMP STATION ITEM NO. PC1000P4.5-1000 GALLON PC SIMPLEX SYSTEM WITH SE411 BARNES PUMP (NO CONTROLLER) FROM J&R PPE CT/ST (508)822-3311 OR EQUAL.



PLAN REFERENCE:
TITLED: MAP OF LAND IN SEEKONK, MASSACHUSETTS BELONGING TO JOHN and ALICE HENDRICKS
PREPARED BY: CAPUTO AND WICK LTD
DATED: JUNE 4, 1999

THERE ARE NO WELLS WITHIN 200 FEET OF THE PROPOSED SEPTIC LEACHING FACILITY OTHER THAN THOSE SHOWN.

CONSTRUCTION NOTES:
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.

VARIANCE REQUESTS:
1) 310 CMR 15.405 (1)(i) CONTENTS OF LOCAL UPGRADE APPROVAL
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.
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.

NOTE: THIS PLAN DOES NOT REPRESENT A PROPERTY BOUNDARY SURVEY.

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 ½"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 SAFE" 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, (OD) AS SHOWN HEREON IS TO BE STRIPPED OF ALL TREES, BRUSH, STUMPS, TOPSOIL, PEAT, OR OTHER IMPERVIOUS MATERIALS. THE (OD) AREA EXTENDS 5 FEET HORIZONTALLY AROUND THE PROPOSED SYSTEM AND TO THE DEPTH SPECIFIED. THE REPLACEMENT MATERIAL SHALL MEET SPECIFICATIONS OF 310 CMR 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 CMR 15.255 OFTHE 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"øPERFORATED 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, LOAMED, AND SEEDED.

DESIGN CALCULATIONS

FLOW: SIZE FOR 3 BEDROOMS
(3bdrm)X(110gpd/bdrm) = 330 gpd 660 PEAK

SEPTIC TANK:
NEW 1500 GAL TANK > 660

LEACHING FIELD:
RATE = (1/.33) sf/gpd FOR PERC = 30mpi CLASS II
MINIMUM SIZE: (330gpd)X(1/.33)sf/gpd) = 1000sf
USE LEACHING FIELD 22'x46'=1012sf

LEGEND

DEEP OBSERVATION HOLE	TP#1	TREE LINE	
DISTRIBUTION BOX		WETLAND FLAG	23
SEPTIC TANK		WELL SETBACK	
PUMP CHAMBER		EXISTING CONTOUR	47
PROPOSED CONTOUR	47	EXISTING SPOT GRADE	48x83
		UTILITY LINE	

REVISIONS

DATE	DESCRIPTION
6/10/09	NEW PROPERTY LINES

JUN 12 2009

SEWAGE DISPOSAL SYSTEM REPAIR PLAN

LOT NUMBER: 88
AREA OF PROPOSED: 54,217sf+/-
PLAT NO.: 18
LOT ADDRESS: 726 LEDGE ROAD
IN
SEEKONK, MA 02771

PREPARED FOR:
JOHN HENDRICKS
727 LEDGE ROAD
SEEKONK, MA 02771

SCALE: AS SHOWN
DATE: 4/20/09

DESIGNED BY: DRM
JOB NO: 09-107-2
FILE: 726LEDGE.dwg

REGISTERED PROFESSIONAL ENGINEER
DAVID R. MOTT
6/9/09

69-642

OSD systems associates, Inc.
45 ASTRAL AVENUE
RIVERSIDE, R.I. 02915
(401) 438-6216
OSD