

38 pcole

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### SEPTIC SYSTEM REPAIR

82 Talbot Way  
Seekonk, MA

MAP 24 LOT 350  
DATE: 25 FEB 08 SCALE: 1" = 30' SHEET 1 of 4

PAGE	REV	DESCRIPTION	DATE	APPROVED
REVISIONS				

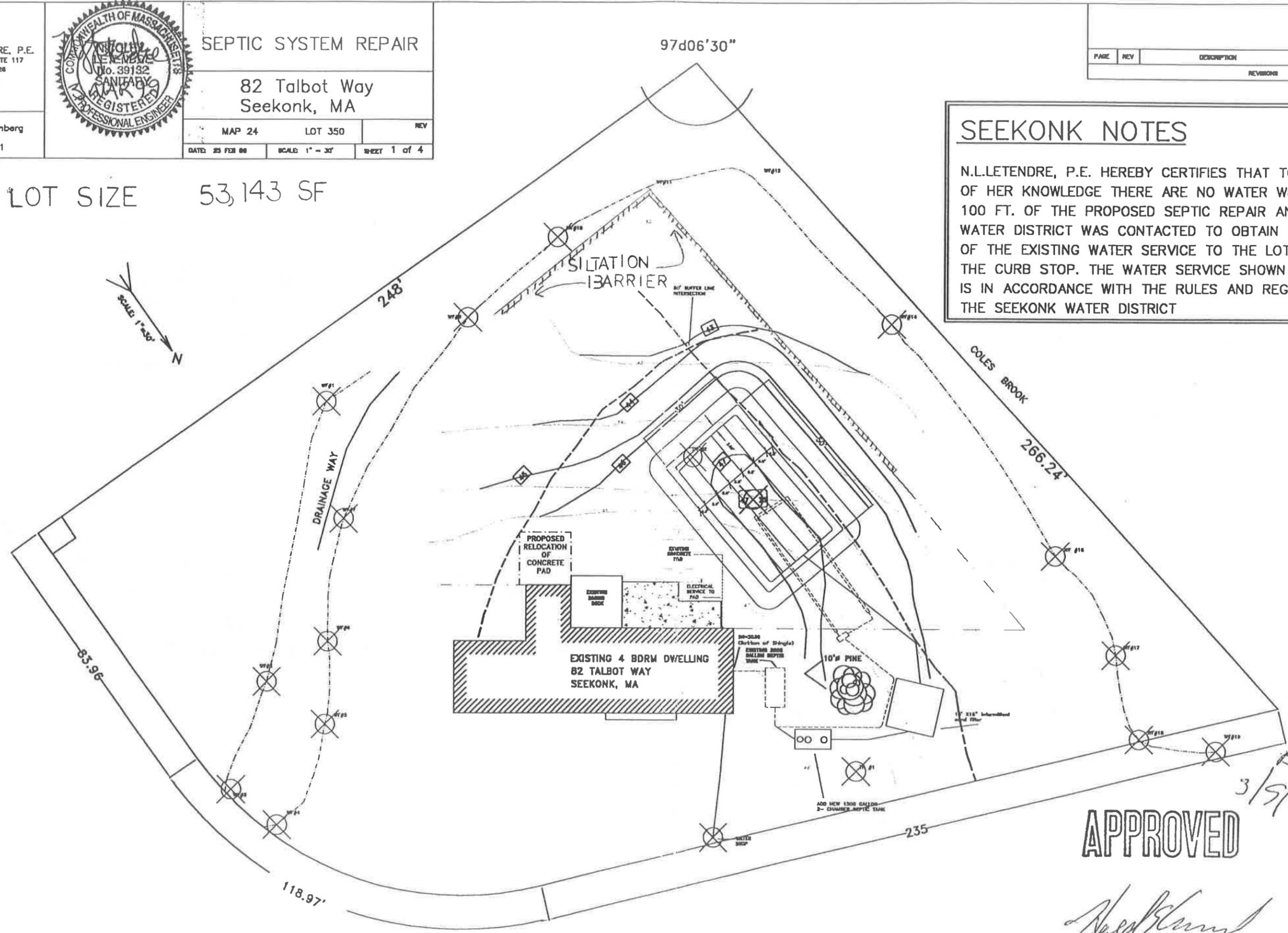
Marc and Lori Weinberg  
82 Talbot Way  
Seekonk, MA 02771

LOT SIZE 53,143 SF



## SEEKONK NOTES

N.L.LETENDRE, P.E. HEREBY CERTIFIES THAT TO THE BEST OF HER KNOWLEDGE THERE ARE NO WATER WELLS WITHIN 100 FT. OF THE PROPOSED SEPTIC REPAIR AND THAT THE WATER DISTRICT WAS CONTACTED TO OBTAIN THE LOCATION OF THE EXISTING WATER SERVICE TO THE LOT AS WELL AS THE CURB STOP. THE WATER SERVICE SHOWN ON THIS PLAN IS IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE SEEKONK WATER DISTRICT



# APPROVED

*Harold E. Chancourt*  
Harold E. Chancourt  
Professional Engineer

69-411

3/5/99  
82 m-108

DESIGNED BY  
**NICOLE L. LETENDRE, P.E.**  
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SEPTIC SYSTEM REPAIR  
 82 Talbot Way  
 Seekonk, MA

DESIGNED FOR  
 Marc and Lori Weinberg  
 82 Talbot Way  
 Seekonk, MA 02771

MAP 24 LOT 350  
 DATE 20 FEB 08 SCALE NONE SHEET 3 of 4

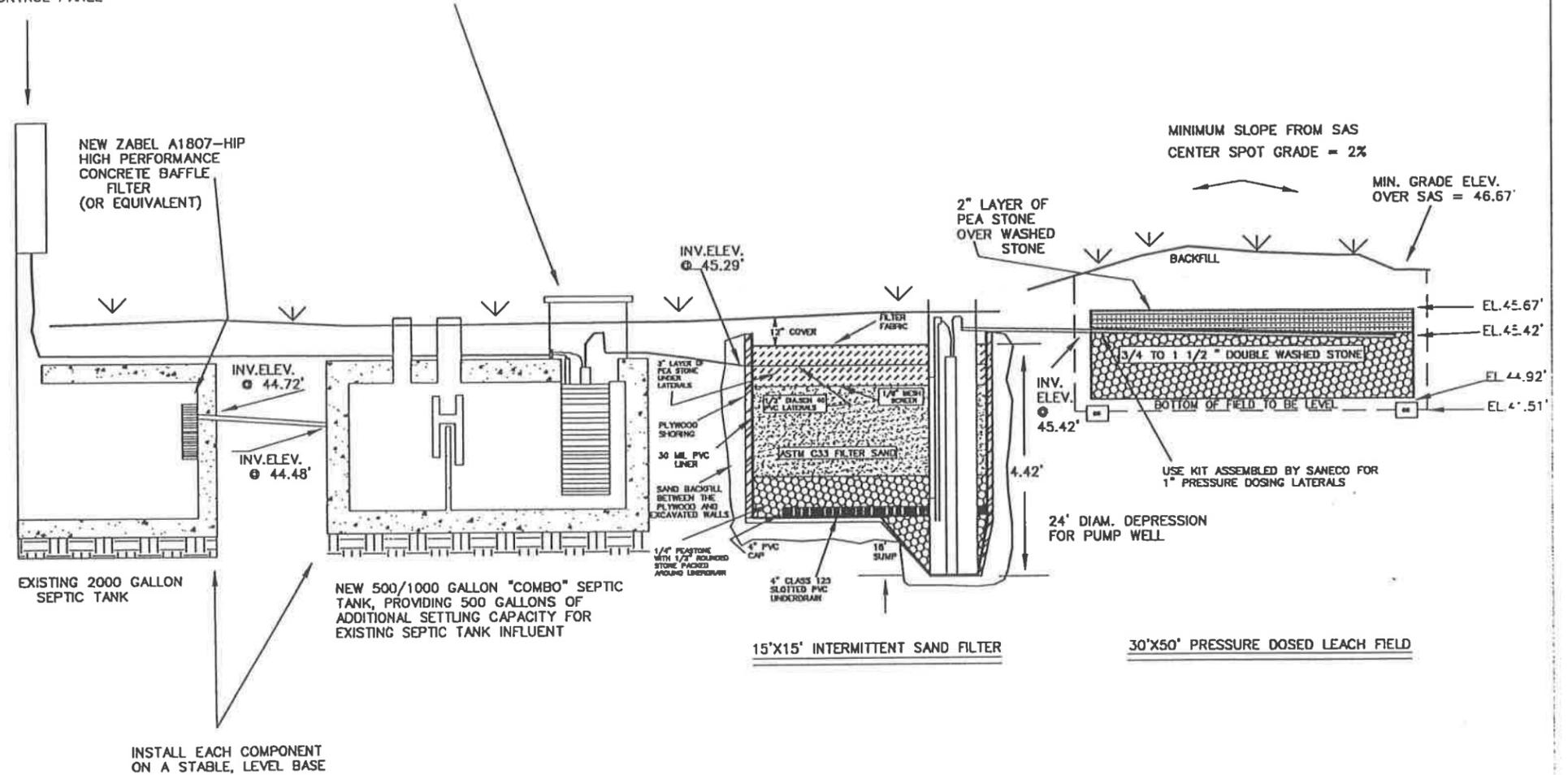
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## GENERAL NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF SEEKONK BOARD OF HEALTH RULES AND REGULATIONS AND TITLE 5, THE STATE ENVIRONMENTAL CODE.
- THIS PLAN IS TO BE USED ONLY FOR THE CONSTRUCTION OF THE DESIGNED DISPOSAL SYSTEM AND DOES NOT REPRESENT ACTUAL AS-BUILT CONDITIONS UNLESS OTHERWISE NOTED.
- THE PROPOSED SYSTEM SHOWN HEREON IS DESIGNED TO ALLOW FOR A GARBAGE DISPOSAL.
- THE SEPTIC TANKS SHOULD BE PUMPED OUT EVERY ONE TO THREE YEARS DEPENDING ON USE.
- ALL WASHED STONE IN FIELD MUST HAVE LESS THAN 0.2% MATERIAL FINER THAN A NO. 200 SIEVE AS DETERMINED BY (THE MOST RECENTLY AMENDED VERSION OF) AASHTO AND MUST BE DOUBLE WASHED.
- TIGHT JOINT PIPING TO CONSIST OF POLYVINYL CHLORIDE PIPE (PVC), SCHEDULE 40, UNLESS OTHERWISE NOTED.
- NO PERMANENT STRUCTURE MAY BE PLACED OVER THE CONSTRUCTION AREA.
- THE SAS AND OVERDIG AREAS AS SHOWN ON THE PLAN AND PROFILE ARE TO BE STRIPPED OF ALL TREES, STUMPS, BRUSH, TOPSOIL, PEAT, EXISTING SYSTEM COMPONENTS AND ALL IMPERVIOUS MATERIALS. PROVIDE REPLACEMENT FILL MATERIAL MEETING SPECIFICATIONS OF 310 CMR 15.255 AND AGGREGATE MEETING SPECIFICATIONS OF 310 CMR 15.247 OF THE STATE ENVIRONMENTAL CODE.
- BEFORE BEGINNING ANY EXCAVATION OR DEMOLITION, GIVE A MINIMUM OF 72 HOURS NOTICE, EXCLUDING SATURDAYS, SUNDAYS AND HOLIDAYS, TO ALL UTILITY COMPANIES WITHIN THE AREA. ALSO CALL DIG SAFE AT 1-888-344-7233 TO NOTIFY MEMBER UTILITIES.
- COMPONENT DETAILS ARE PROVIDED BY:  
SANECO, INC.  
 ADVANCED SANITATION TECHNOLOGY  
 65 EASTERN AVENUE, BOX 9B  
 ESSEX, MA 01929  
 (978)-768-3840  
 INTERMITTENT SAND FILTER DISTRIBUTOR FOR  
ORENCO SYSTEMS, INC.

CONTROL PANEL

EFFLUENT PUMPING SYSTEM USING THE BIOTUBE® SCREENED VAULT



## SEPTIC SYSTEM PROFILE

N.T.S.

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**SEPTIC SYSTEM REPAIR**

82 Talbot Way  
 Seekonk, MA

MAP 24 LOT 350 REV  
 DATE: 28 FEB 98 SCALE: NONE SHEET: 4 of 4

CONSTRUCTED BY  
 Mort and Lori Weinberg  
 22 Talbot Way  
 Seekonk, MA 02771

LOCUS MAP (SCALE 1"=2000')



DESIGN CRITERIA

**FLOW:**  
 (4 BDRM)(110GPD/BDRM)=440GPD — 880GPD PEAK

**SEPTIC TANK:**  
 USE EXISTING 2000 GAL TANK  
 ADD 1500 GAL 2-CHAMBER TANK  
 \* 500 GAL CHAMBER: ADDITIONAL SETTLING CAPACITY TO ACCOUNT FOR GARBAGE GRINDER  
 \*1000 GAL CHAMBER HOLDING TANK TO ACCOMMODATE BIOTUBE® SCREENED VAULT AND EFFLUENT PUMP  
 SEPTIC TANK STORAGE= 2000+500 = 2500GALS > 880 GALS O.K.

**INTERMITTENT SAND FILTER:**  
 USE DEP APPROVED HIGH RATE APPLICATION OF 2.2GPD/SF  
 (440GPD)/(2.2GPD/SF) = 200 SF  
 USE 15' x 15' STANDARD SIZE FILTER  
 (15')(15') = 225 SF > 200 SF O.K.

**LEACH FIELD:**  
 PERCOLATION RATE: 55 MPI (EMPIRICALLY DERIVED, SEE LAB. REPORT IN FILE PREPARED BY BRIGGS ENGINEERING & TESTING DATED 7 DEC 98)

DESIGN PERCOLATION RATE: 60 MPI  
 LTAR: .15 GPD/SF (CLASS III SOIL)  
 MINIMUM SIZE FIELD: (440GPD)/(.15GPD/SF) = 2933 SF  
 WITH 50% REDUCTION CREDIT: 1467 SF  
 USE 30' x 50' PRESSURE DOSED LEACH FIELD  
 (30')(50') = 1500 SF > 1467 SF O.K.

DESIGN ELEVATIONS

INVERT FROM EXISTING TANK 44.72'  
 INVERT TO NEW 1500 GAL. TANK 44.48'  
 OUTLET FROM TANK 2" DIAM. PRESS.LINE  
 INTERMITTENT SAND FILTER MAINTAIN COVER AS PER ORENCO SYSTEMS SPECIFICATIONS  
 INVERT TO SAND FILTER 45.29'  
 OUTLET FROM SAND FILTER 1" DIAM PVC PRESS.LINE  
 INVERT TO LEACH FIELD 45.42'  
 LATERALS 45.42'

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SOIL LOG 17 NOV 98

DEPTH(Inches)	DEEP HOLE #1	ELEVATION(ft)
0	A FINE SANDY LOAM 5YR 3/2	47.44
8	B <sub>w</sub> FINE SANDY LOAM 10YR 5/2	46.77
24	C <sub>1</sub> FINE SANDY LOAM 10YR 6/2	45.77
110	C <sub>2</sub> SILT CLAY LOAM #2 GLEY 10B 6/1	38.27
120		37.44

STANDING WATER @ 40.19'  
 EST. SEASONAL HGV @ 44.44'  
 PARENT MATERIAL: OUTWASH DEPOSITS ON LAKEBED SEDIMENTS  
 PERCHOLE BOTTOM ELEV. : 42.86'  
 RECORDED PERC RATE : NONE  
 LAB. PERC. RATE : 100 MPI

DEPTH(Inches)	DEEP HOLE #2	ELEVATION(ft)
0	A FINE SANDY LOAM 5YR 3/2	44.50
8	B <sub>w1</sub> SILT LOAM 10YR 3/3	43.83
20	B <sub>w2</sub> SILT LOAM 10YR 2/1	42.83
26	C <sub>1</sub> LOAMY SAND 2.5Y 6/2	42.33
30	C <sub>2</sub> FINE SANDY LOAM 5Y 6/2	42.00
50	C <sub>3</sub> MED. COARSE SAND 10YR 5/6	40.33
80	C <sub>4</sub> SILT CLAY LOAM 5Y 5/2	37.83
-110		~34.92

STANDING WATER @ 39.92'  
 EST. SEASONAL HGV @ 43.50'  
 PARENT MATERIAL: OUTWASH DEPOSITS ON LAKEBED SEDIMENTS  
 PERCHOLE BOTTOM ELEV. : 41.22'  
 RECORDED PERC RATE : NONE  
 LAB. PERC. RATE : 55 MPI

SOIL EVALUATOR: NICOLE L. LETENDRE, P.E.  
 WITNESS: HAROLD CHENEVERT, JR., TOWN AGENT