MOUND CONSTRUCTION

****PRIOR TO CONSTRUCTION ALL MATERIALS SHALL BE APPROVED BY THE DESIGNER.

THE FOLLOWING IS THE PROCEDURE FOR MOUND CONSTRUCTION ANY VARIATIONS SHOULD BE DISCUSSED WITH THE DESIGNER BEFORE ANY MOUND CONSTRUCTION STARTS. . MOUND FAILURE MAY RESULT FROM IMPROPER CONSTRUCTION TECHNIQUES AND PROCEDURES. PROPER EQUIPMENT IS ESSENTIAL. SMALL TRACK TYPE DOZERS OR EXCAVATORS WORK BEST. WHEEL TYPE TRACTORS MAY COMPACT THE SUBSOIL.

CONSTRUCTION ON WET SOIL CAUSES SOIL SMEARING AND COMPACTION AND POSSIBLE FUTURE FAILURES. CONSTRUCTION SHOULD ONLY BE DURING DRY WEATHER FROM JUNE - NOVEMBER CONDITIONS PERMITTING AND DURING NO CONSTRUCTION DURING FREEZING TEMPERATURES.

1. PREPARE ENTIRE AREA TO BE COVERED BY MOUND FILL. CUT TREES TO GROUND LEVEL. DO NOT REMOVE STUMPS. MOW VEGETATION AND LEAVES. SITE MUST BE DRY BEFORE PLOWING.

2. PLOW ENTIRE AREA TO BE COVERED BY MOUND FILL. PLOW ALONG THE CONTOUR OF THE SLOPE WITH A MOLD BOARD PLOW TO A DEPTH OF 8". THROWING THE SOIL UP-SLOPE. PLACEMENT OF THE FILL ON PLOWED AREA IMMEDIATELY AFTER PLOWING IS REQUIRED. DON'T LET PLOWED AREA TO RAINED ON. KEEP ALL TRAFFIC OFF PLOWED AREA DOWNSLOPE SIDE OF PLOWED AREA.

3. PLACE APPROVED SAND FILL AROUND THE UPHILL AND SIDE EDGES OF THE PLOWED AREA. KEEP WHEEL OF TRUCKS OFF PLOWED AREA. NO TRAFFIC DOWNSLOPE SIDE OF PLOWED AREAS. WORK FROM ENDS AND UPSLOPE SIDE ONLY.

4. MOVE THE SAND FILL INTO PLACE USING A SMALL TRACK-TYPE DOZER. ALWAYS KEEP AT LEAST 8" OF SAND BENEATH TRACKS TO PREVENT COMPACTION OF THE PLOWED AREA. PLACE SAND FILL TO THE REQUIRED DEPTH.

5. PLACE PRESBY PIPE AS SHOWN ON DETAILS FILL WITH MOUND SAND BETWEEN PIPES. COVER PIPE WITH FILTER FABRIC.

6. PLACE 9" OF SUBSOIL OR TOPSOIL (SOIL LESS PERMEABLE THAN SAND FILL) OVER ALL SAND. (INCREASE DEPTH TO 15" OVER TOP CENTER OF MOUND) PLACE 3" OF GOOD QUALITY TOPSOIL OVER ENTIRE MOUND SURFACE. THIS SOIL MAY BE TAKEN FROM ELSEWHERE ON SITE, BUT NOT FROM WITHIN 50' DOWNHILL OF MOUND OR FROM REPLACEMENT AREA.

7. SEED AND MULCH ENTIRE MOUND SURFACE IMMEDIATELY TO PREVENT EROSION.

INSPECTION

1. THE SYSTEM MUST BE INSPECTED BY HIGH KNOB DESIGN ASSOCIATES LLC TO ENSURE COMPLIANCE WITH THE DESIGN. HIGH KNOB DESIGN ASSOCIATES LLC ASSUMES NO RESPONSIBILITY AND LIABILITY FOR PROBLEMS THAT ARISE FROM FAILURE TO FOLLOW THE PLANS AND SPECIFICATION AND FAILURE TO HAVE BEEN NOTIFIED BY THE CONTRACTOR FOR THE REQUIRED INSPECTIONS DURING CONSTRUCTION.

2. THE CONTRACTOR SHALL NOTIFY HIGH KNOB DESIGN ASSOCIATES LLC A MINIMUM OF 72 HOURS IN ADVANCE FOR THE FOLLOWING INSPECTIONS.
A) THE PLOWED EXISTING GROUND PRIOR TO PLACEMENT OF SAND FILL
B) THE DISTRIBUTION SYSTEM
C) FINAL GRADING AND SEEDING

THE DESIGNER HAS DETERMINED A LOCATION FOR ON-SITE WASTEWATER DISPOSAL ON THE PROPERTY BASED ON A SITE EVALUATION AND SOIL TEST PITS. IT WAS DETERMINED THAT THE PROPOSED LOCATION WAS THE BEST LOCATION AVAILABLE

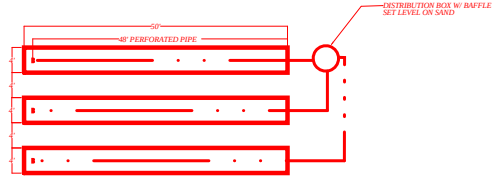
THE OWNER IS RESPONSIBLE FOR PROPER OPERATION AND MAINTENANCE OF THE PROPOSED SYSTEM TO PROTEST PUBLIC HEALTH AND THE GROUNDWATER

I RECOMMEND CHECKING THE LEVELS OF SOLIDS IN THE SEPTIC TANK ON A YEARLY BASIS AND PUMPED AS NEEDED. THE EFFLUENT FILTER SHOULD BE CHECKED AND CLEANED AT THE SAME TIME. THE PUMP STATION SHOULD ALSO BE CHECKED FOR SOLIDS ALL SOLIDS SHOULD BE REMOVED WHEN FOUND IN THE PUMP STATION

THE LIFE OF THE SYSTEM CAN NOT BE ESTIMATED DUE TO CONDITIONS BEYOND THE CONTROL OF THE DESIGNER SUCH AS INTRODUCTION OF FOREIGN MATERIAL INTO THE SYSTEM (USE OF NON-BIODEGRADABLE DETERGENTS, CHEMICALS) WILL ADVERSELY AFFECT THE OPERATION OF THE DISPOSAL SYSTEM.
GARBAGE DISPOSALS AND WATER SOFTNERS ARE NOT ALLOWED.

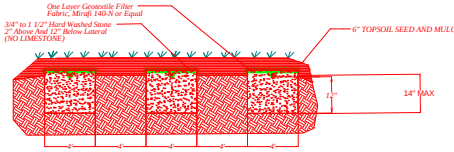
I RECOMMEND INSTALLING WATER SAVING FIXTURES AND CONSERVING WATER WHENEVER POSSIBLE.

DUE TO INSTANCES BEYOND THE DESIGNERS CONTROL THE DESIGNER ASSUMES NO RESPONSIBILITY FOR THE CONTINUED FUNCTIONING AND PROPER USE AND MAINTENANCE OF THE SYSTEM.



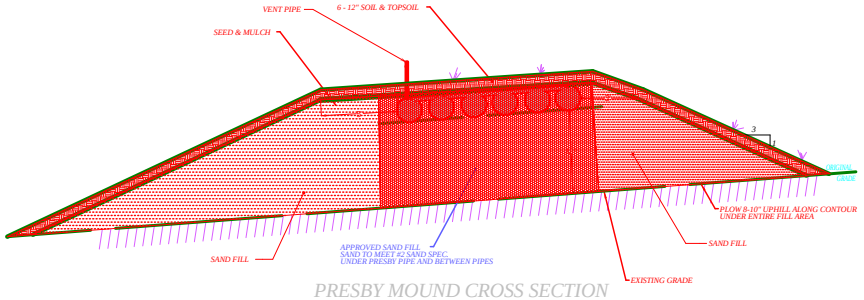
Absorption Trench Plan
Lot 2

NTS

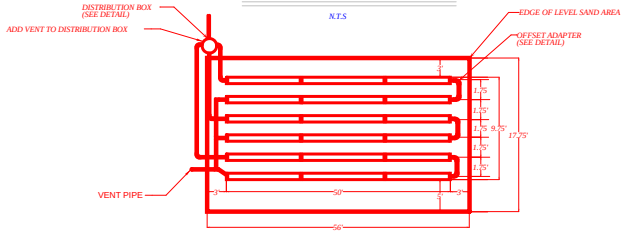


Absorption Trench Elevation
Lot 2

NTS



PRESBY MOUND CROSS SECTION
LOT 3



PRESBY MOUND LAYOUT

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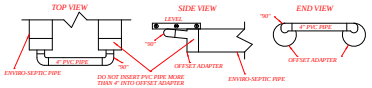
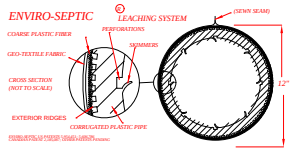
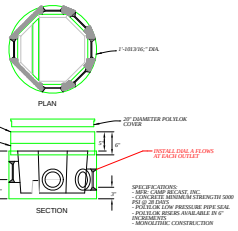


RAISED CONNECTION DETAIL

N.T.S

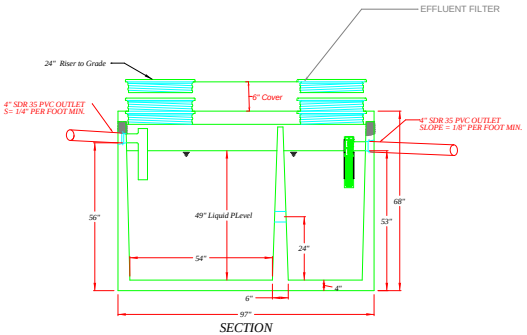


PRESBY PIPE CROSS SECTION



5-OUTLET ROUND
DISTRIBUTION BOX

NO SCALE



SECTION
2-COMPARTMENT
SEPTIC TANK

SAND FILL SPECIFICATIONS

(1)

SIEVE NO.	OPENING (MM)	PERCENT PAIRING BY WEIGHT
10	2.000	85-100
40	0.420	25-75
60	0.240	0-30
100	0.149	0-10
200	0.174	0-5

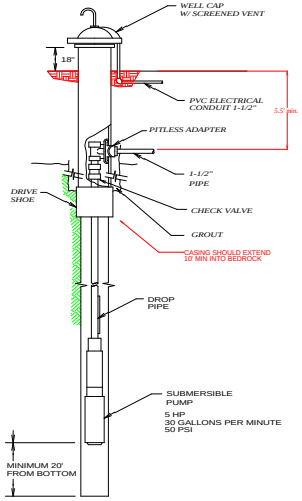
(2)

SIEVE NO.	OPENING (MM)	PERCENT PASSING BY WEIGHT
4	4.750	95-100
8	2.380	80-100
16	1.190	50-85
30	0.590	25-60
50	0.297	10-30
100	0.149	2-10

(3)

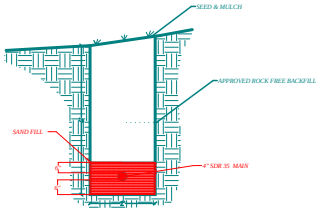
SIEVE NO.	OPENING (MM)	PERCENT PASSING BY WEIGHT
10	2.000	85-100
40	0.420	30-50
200	0.174	0-10

N.T.S



WELL CONSTRUCTION DETAIL

NOT TO SCALE



FORCE MAIN DETAIL

N.T.S