

- EROSION & SEDIMENTATION CONTROL**
- 1.) ALL PERIMETER EROSION AND SEDIMENTATION CONTROLS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF EARTHWORK.
 - 2.) HAY BALES ARE TO BE INSTALLED IN ACCORDANCE WITH THE DETAILS PROVIDED.
 - 3.) NO WORK IS TO OCCUR ON THE WETLAND SIDE OF THE PERIMETER EROSION AND SEDIMENTATION CONTROLS OTHER THAN THAT SPECIFIED FOR MITIGATION. ALL PERIMETER CONTROLS SERVE AS THE PROJECT LIMIT OF DISTURBANCE.
 - 4.) NO STONES, BRUSH, CONSTRUCTION DEBRIS, LITTER, OR OTHER MATERIALS ARE TO BE DEPOSITED ON THE WETLAND SIDE OF THE EROSION AND SEDIMENTATION CONTROLS.
 - 5.) ALL DISTURBED SOILS NOT DESIGNATED FOR OTHER SURFACE TREATMENT ARE TO BE LOADED AND SEEDED IMMEDIATELY FOLLOWING FINAL GRADING.
 - 6.) ALL EXPOSED SOILS SHALL BE PROTECTED WITH STRAW MULCH (OR EQUIVALENT) IMMEDIATELY AFTER SEEDING. OVER SEEDING SHALL BE CONDUCTED IN THE SPRING AS NEEDED.
 - 7.) APPROPRIATE PRECAUTIONS SHOULD BE TAKEN TO PREVENT THE TRANSPORT OF SOIL OFF SITE FROM CONSTRUCTION EQUIPMENT.
 - 8.) ALL PERIMETER EROSION AND SEDIMENTATION CONTROLS MUST BE PROPERLY MAINTAINED AND MUST REMAIN IN PLACE UNTIL THE SOILS HAVE BEEN STABILIZED TO THE SATISFACTION OF THE SEEKONK CONSERVATION COMMISSION.

- 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 DISPOSAL AND SAID USE IS NOT 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 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, (O) AS SHOWN HEREDN 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 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 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, LOAMED, AND SEEDED.

DESIGN CALCULATIONS

FLOW: SIZE FOR 3 BEDROOMS
 $(3\text{bedrm} \times 110\text{gpd}/\text{bedrm}) = 330\text{ gpd}$

SEPTIC TANK:
 EXISTING 1500gal

LEACHING FIELD:
 RATE = $(1/.33)\text{ sf/gpd } 30\text{mpl CLASS II}$
 MINIMUM SIZE: $(330\text{gpd}) / (1/.33\text{sf/gpd}) = 1000\text{ sf}$
 USE LEACHING FIELD $12' \times 84' = 1008\text{sf}$

PUMP CHAMBER:
 EXISTING 1000gal

LEGEND

EXISTING CONTOUR	---	47
DEEP OBSERVATION HOLE TP#1	⊕	EXISTING SPOT GRADE 47.74
DISTRIBUTION BDX	⊕	PROPOSED CONTOUR 98
SEPTIC TANK	□	PROPOSED SPOT GRADE 66.74
PUMP CHAMBER	□	STAKED HAY BALES
		40mil PVC BARRIER

REVISIONS

DATE	PER CONSERVATION COMMISSION DESCRIPTION
1/4/08	

LEACHING FIELD RELOCATION PLAN

LOT NUMBER: 341 AREA OF LOT: 22,620sf +/- PLAT NO: 6
 LOT ADDRESS: 1 PIMENTAL DRIVE IN
 SEEKONK, MA 02771

PREPARED FOR:
 KENNETH MARCIL
 1 PIMENTAL DRIVE
 SEEKONK, MA 02771

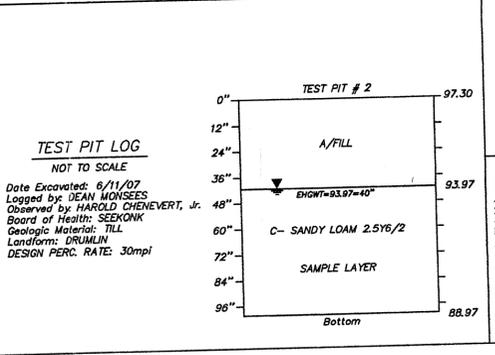
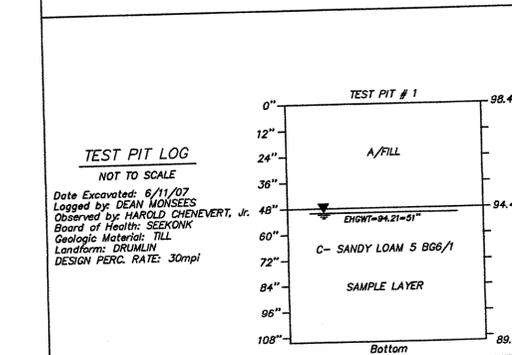
DATE: FEB 1 2008

SCALE: AS SHOWN
 DATE: 11/15/07

JOB NO: 07-147
 FILE: 1PIMENTAL.dwg

WATERSHED ENVIRONMENTAL, INC.
 310 WILBUR AVENUE, SUITE 5
 SWANSEA, MASSACHUSETTS 02777
 TEL: (508)-673-7045 FAX: (508)-678-5415

69-626



PLAN REFERENCE:
 TITLE: CERTIFIED PLOT PLAN
 PREPARED BY: DOUGLAS L. AABERG
 DATED: MARCH 27, 2007

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 GRINDER IF PRESENT IS TO BE REMOVED AS PART OF THIS SAS RELOCATION.

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
 TITLE: CERTIFIED PLOT PLAN
 PREPARED BY: DOUGLAS L. AABERG
 DATED: MARCH 27, 2007

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.

2) 1. 310 CMR 15.404 (2) (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 CMR 15.405 (1) (d) *

WE ARE REQUESTING A VARIANCE TO REDUCE THE MINIMUM GROUNDWATER SEPARATION OF 4 FEET TO 3 FEET AS PER 310 CMR 15.404, APPROVALS FOR UPGRADES TO MAXIMUM FEASIBLE COMPLIANCE.