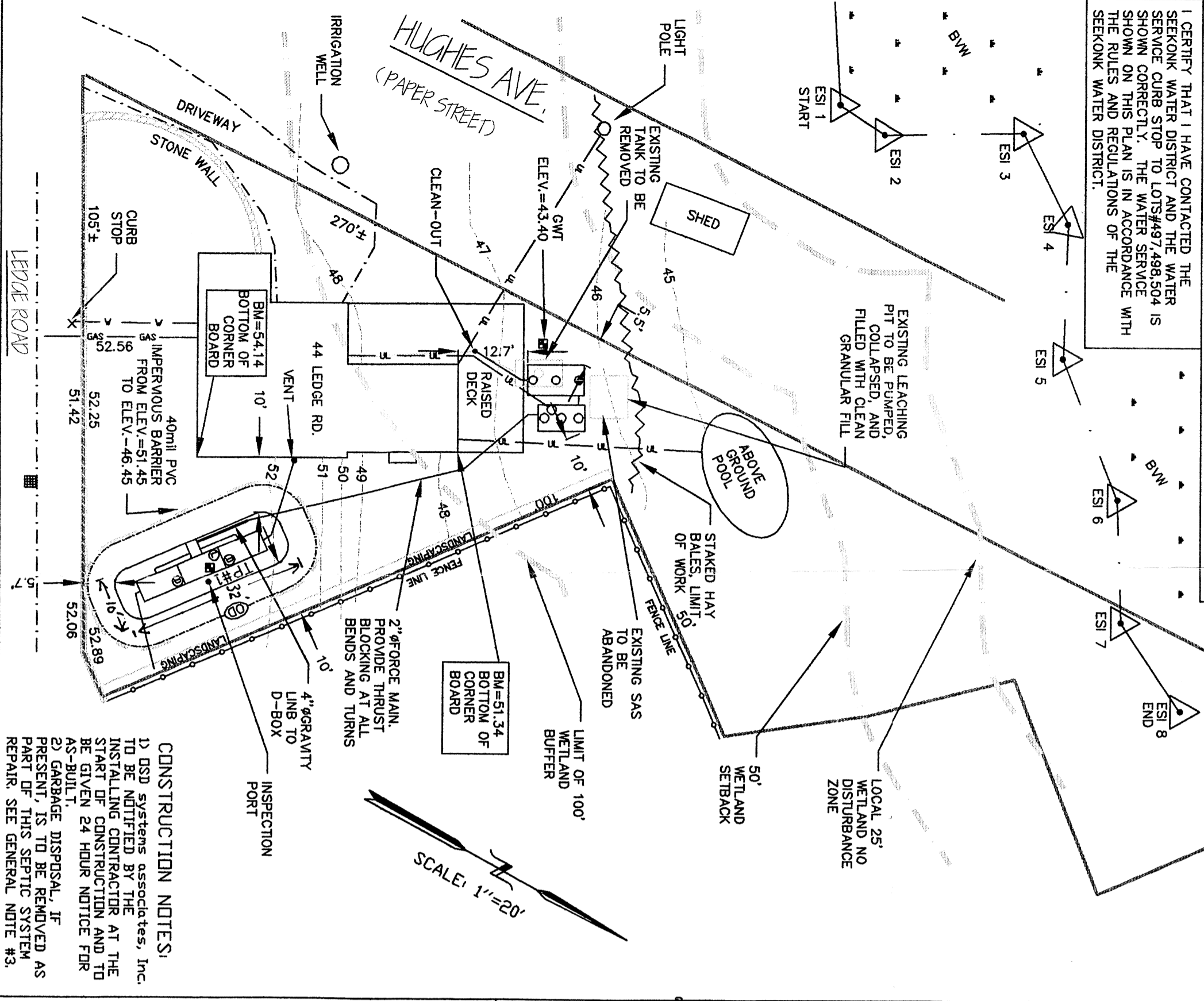


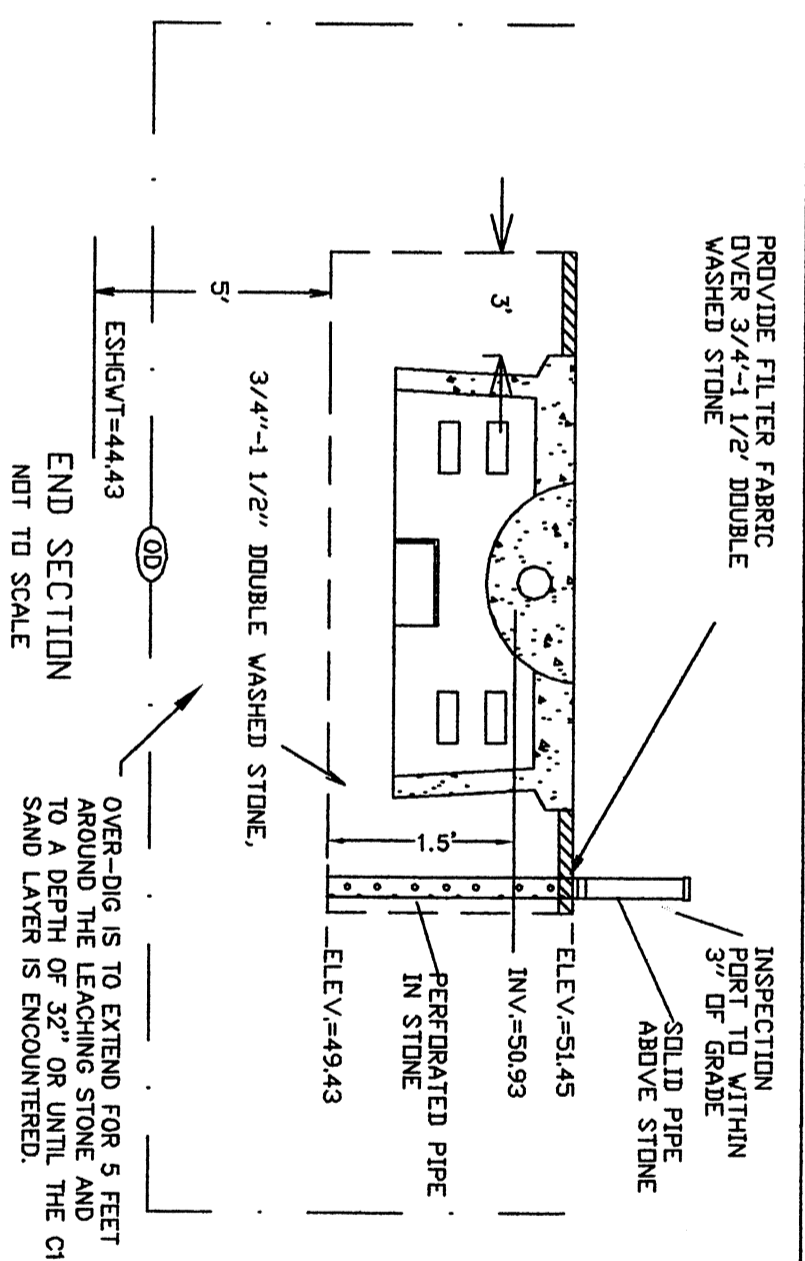
PROFILE OF SYSTEM
NOT TO SCALE

VARIANCE REQUESTS:
1. 300 CPM 1521 (D) MINIMUM SETBACK DISTANCES SHALL BE MAINTAINED FOR SEPTIC TANKS AND SOIL ABSORPTION SYSTEMS.
WE ARE REQUESTING A VARIANCE TO REDUCE THE SEPTIC TANK SETBACK DISTANCE FOR THE LEFT PROPERTY LINE FROM 20 FEET TO 10 FEET, FOR THE SAS TO THE FRONT PROPERTY LINE FROM 10 FEET TO 5.7 FEET.

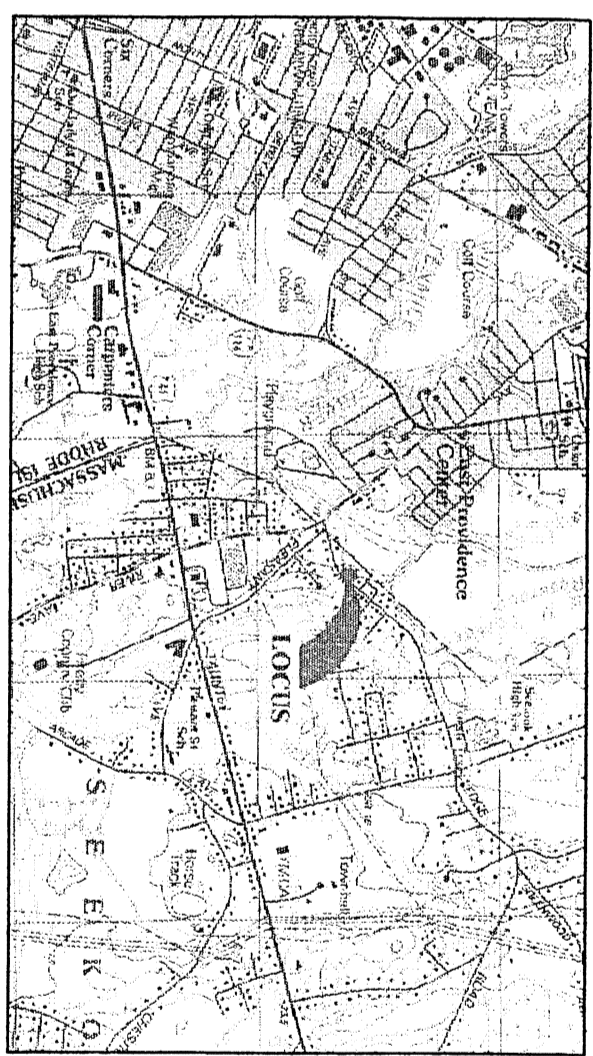
I CERTIFY THAT I HAVE CONTACTED THE SEBOKK WATER DISTRICT AND THE WATER SERVICE CORP STOP TO LOTS#497,498,504 IS SHOWN ON THE MAP. THE WATER SERVICE DISTRICT HAS REVIEWED THE PLAN AND THE RULES AND REGULATIONS OF THE SEBOKK WATER DISTRICT.



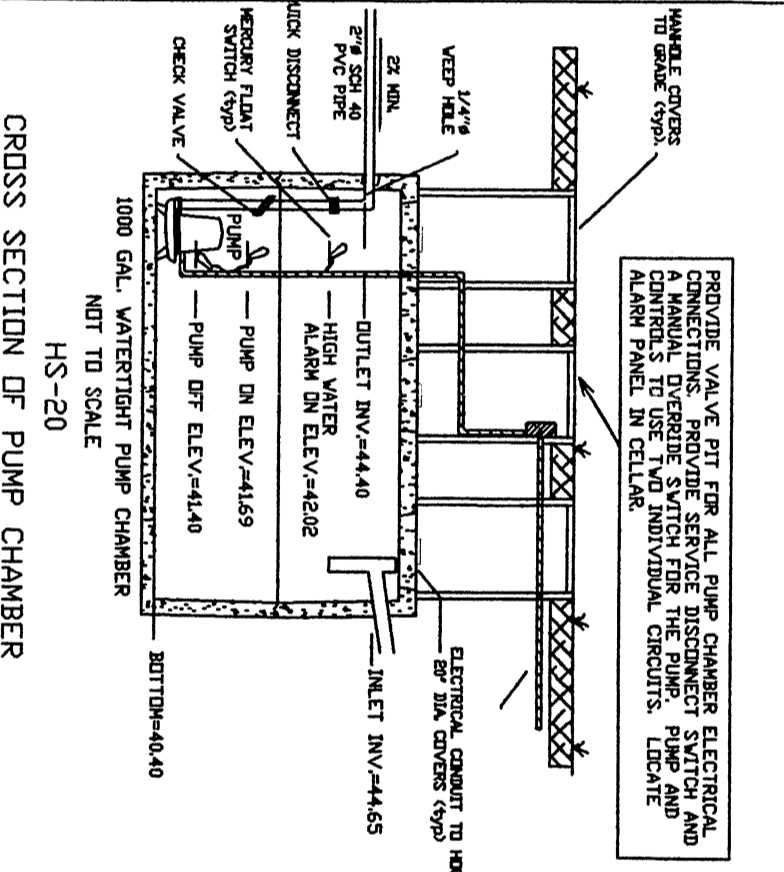
CONSTRUCTION NOTES:
1) OSD systems associates, Inc. TO BE NOTIFIED BY THE INSTALLING CONTRACTOR AT THE START OF CONSTRUCTION AND TO BE GIVEN 24 HOUR NOTICE FOR AS-BUILT DISMISAL. IF REPAIRS ARE REQUIRED AS PART OF THIS SYSTEM REPAIR SEE GENERAL NOTE #3.



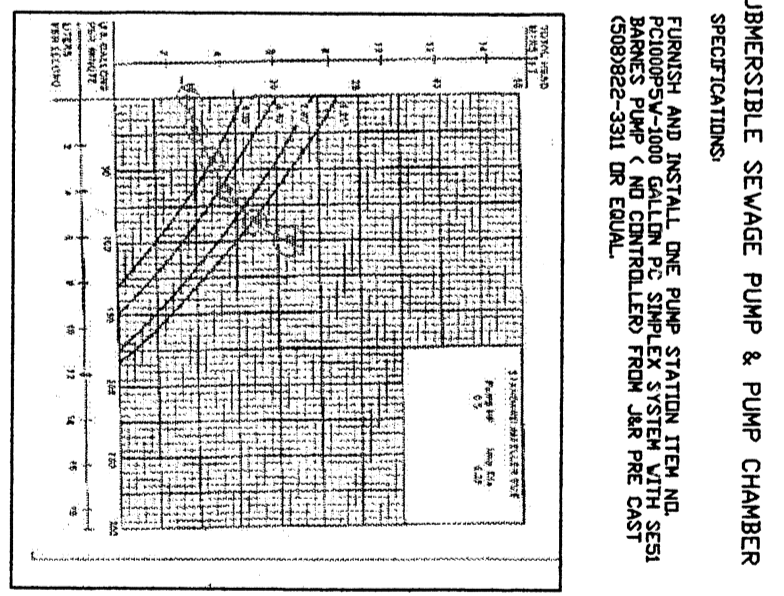
END SECTION
NOT TO SCALE



LOCUS MAP

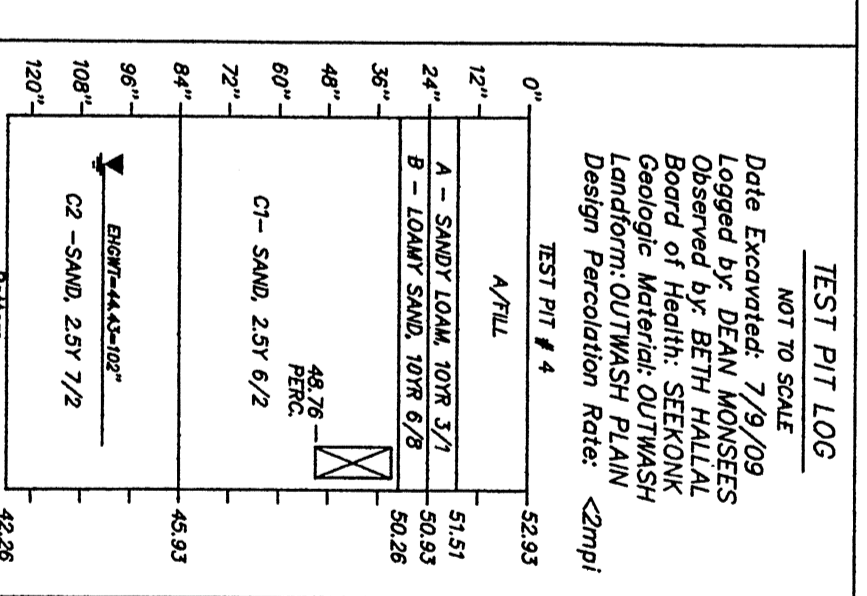


CROSS SECTION OF PUMP CHAMBER
HS-20
NOT TO SCALE



SUBMERSIBLE SEWAGE PUMP & PUMP CHAMBER SPECIFICATIONS:
PUMP AND INSTALL ONE PUMP SYSTEM WITH NO PUMPERS PUMP & NO CONTROLLED FROM JAR PRE CAST GS9892-321 OR EQUAL.

EROSION & SEDIMENTATION CONTROL:
1) ALL PERMETER EROSION AND SEDIMENTATION CONTROLS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF EARTHWORK.
2) HAY BALES SHOULD BE INSTALLED IN ACCORDANCE WITH THE DETAILS PROVIDED.
3) NO STONES, BRUSH, CONSTRUCTION DEBRIS, LITTER, OR OTHER MATERIALS ARE TO BE DEPOSITED ON THE WETLAND SIDE OF THE EROSION AND SEDIMENTATION CONTROLS.
4) ALL DISTURBED SOILS NOT DESIGNED FOR OTHER SURFACE TREATMENT ARE TO BE COVERED AND SEEDED IMMEDIATELY FOLLOWING FINAL GRADING.
5) OFF SITE FROM CONSTRUCTION EQUIPMENT SHALL BE MAINTAINED TO PREVENT THE TRANSPORT OF SOIL.
6) ALL PERMETER EROSION AND SEDIMENTATION CONTROLS MUST BE PROPERLY MAINTAINED AND MUST REMAIN IN PLACE UNTIL THE SOILS HAVE BEEN SUBMITTED TO THE SATISFACTION OF THE ENGINEER AND THE SEBOKK CONSERVATION COMMISSION.



GENERAL NOTES:
1. ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF SEBOKK 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 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 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 300 CPM 15255 OF THE STATE ENVIRONMENTAL CODE.
11. ANY SOILS ASSOCIATED WITH EXISTING FAILED LEACHING FACILITIES SHALL BE REMOVED AND REPLACED WITH 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 DANCE BURIED.
15. THE FINISHED GRADE OVER SEPTIC SYSTEM SHALL BE GRADED, UNMULCH, AND SEEDED.

DESIGN CALCULATIONS
FLOW: SIZE FOR 3 BEDROOMS
(3bed x 110gpd/bed) = 330 gpd 660 PEAK

SEPTIC TANK: HS-20
NEW 1500 GAL. TANK > 660

LEACHING FIELD:
RATE = (1/0.74) sf/gpd FOR PERC = <2mpd
MINIMUM SIZE: (330gpd x (1/0.74) sf/gpd) = 446 sf
USE 3- 4'x8' FLOW DIFFUSERS WITH 1.5' OF STONE BELOW THE INVERT, 3' OF STONE ON THE SIDES AND 4' OF STONE ON THE ENDS
SIDE WALLS: 32'x15'x2'-9.56'f
END WALLS: 10'x15'x2'-9.56'f
BOTTOM: 32'x10'-32.06'f
TOTAL SQUARE FOOTAGE: 96'x30'-320=446sf

PUMP CHAMBER: HS-20
CHAMBER CAPACITY: 1000 GAL
USE A 60 GAL DISSE + 10 GAL BACK FLOW=70 GAL TOTAL DISSE
RESERVE VOLUME REQUIRED=300GAL
DEPTH OF RESERVE VOLUME REQUIRED=1.39'

LEGEND
ESI 2 WETLAND SETBACK
WETLAND SETBACK
DEEP OBSERVATION HOLE TPH1 EXISTING CONTOUR 47.74
DISTRIBUTION BOX
SEPTIC TANK
PUMP CHAMBER
WATER SERVICE
UTILITY LINE
PROPOSED FINISHED CONTOUR
CLEAN-OUT

SEWAGE DISPOSAL SYSTEM REPAIR PLAN
LOT NUMBERS: 497,498,504 AREA OF LDT: 11,737sf MAP NO. 20
LDT ADDRESS: 44 LEDGE ROAD
IN
SEEKONK, MA 02771
PREPARED FOR: ROSEMARIE FALLS
44 LEDGE ROAD
SEEKONK, MA 02771
DATE: 7/20/09
DESIGNED BY: DRH
JOB NO: 09-114
FILE: 44LEDGE.dwg
OSD
45 ASTRAL AVENUE
RIVERSIDE, RI
(401) 438-6316