

- 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 HEREIN 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" 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 HEREIN 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 DICE BURIED.
  15. THE FINISHED GRADE OVER SEPTIC SYSTEM SHALL BE GRADED, LOAMED, AND SEED.

**TEST PIT LOG**  
NOT TO SCALE  
Date Excavated: 10/31/06  
Logged by: DEAN MONSEES  
Observed by: HAROLD CHENEVERT, Jr.  
Board of Health: SEEKONK  
Geologic Material: TILL  
Landform: DRUMLIN

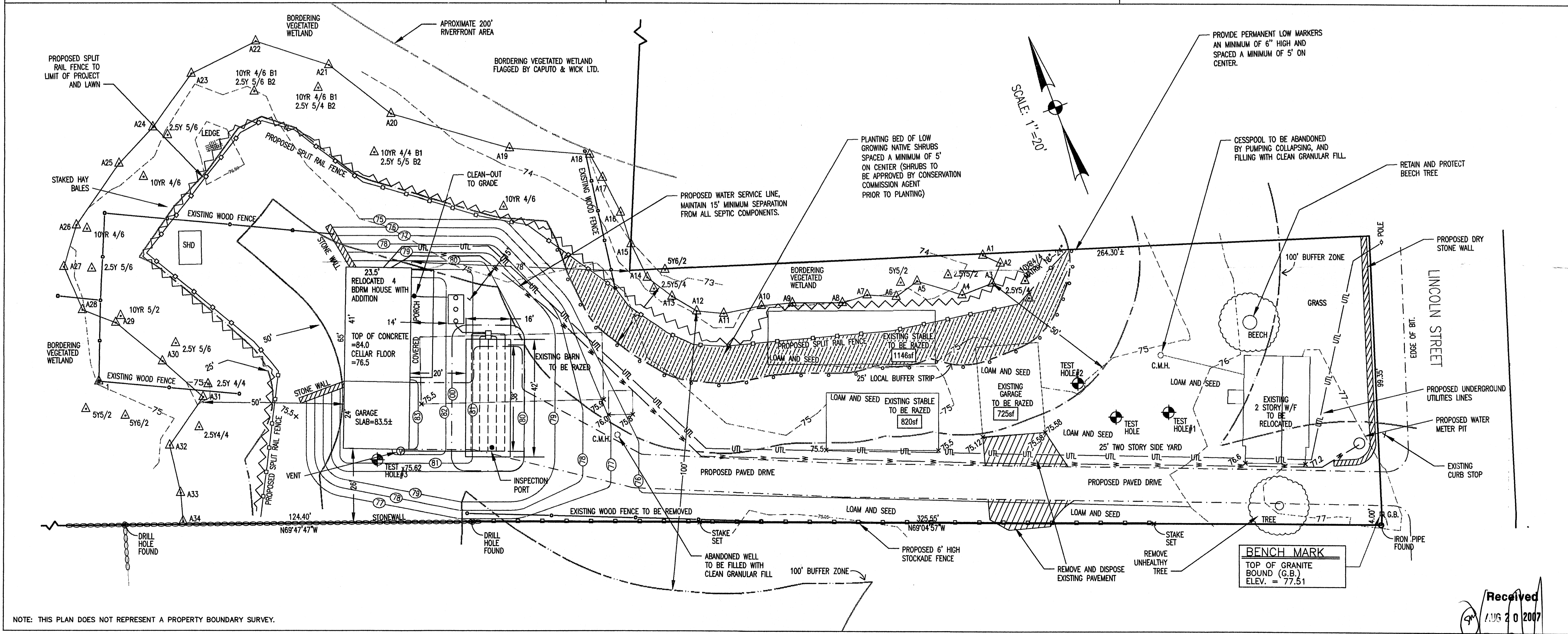
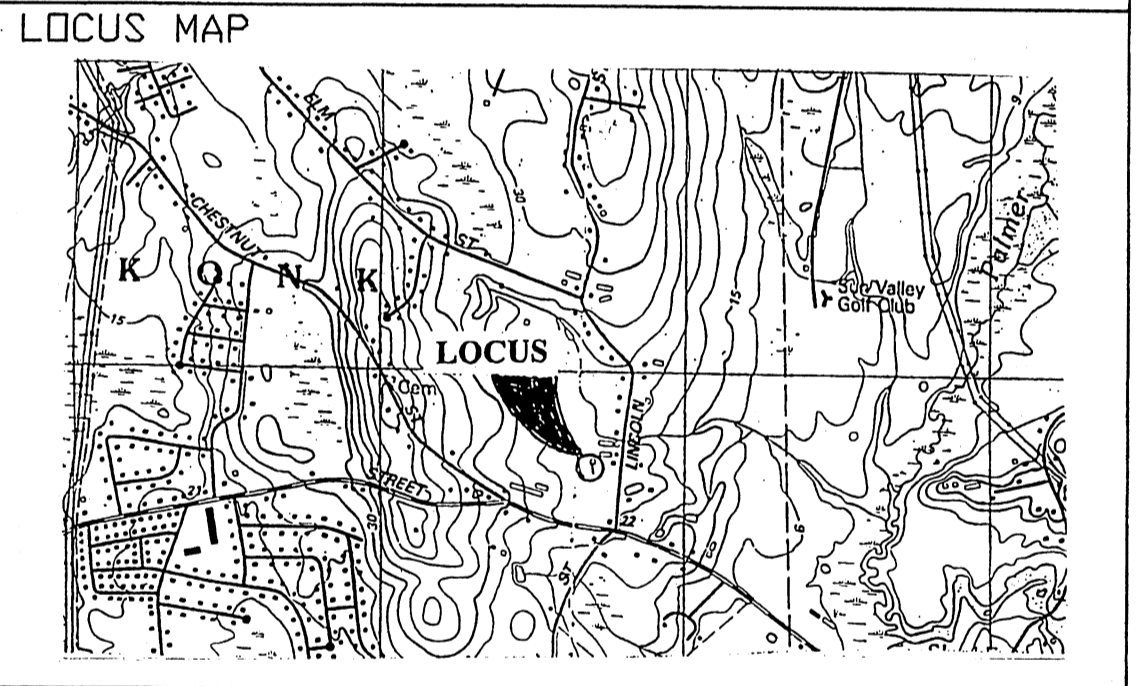
TEST PIT # 1	TEST PIT # 2	TEST PIT # 3
0" A-FILL 75.34	0" A-FILL 74.82	0" A - SANDY LOAM, 10YR 3/1 75.62
12" B-SANDY LOAM, 10YR 6/8 72.78	12" C-LOAMY SAND, 2.5Y 6/2 72.59	12" B - SANDY LOAM, 10YR 6/8 74.62
24" EHW=73.01=28"	24" EHW=72.59=28"	36" EHW=74.12=18"
36" B-SANDY LOAM, 10YR 6/8 67.84	36" C-LOAMY SAND, 2.5Y 6/2 68.25	48" C1-SANDY LOAM, 2.5Y 6/1 73.29
48" Bottom 68.25	48" Bottom 68.25	60" C1-SANDY LOAM, 2.5Y 6/1 68.95
60" C-LOAMY SAND, 2.5Y 6/2 68.25	60" Bottom 68.25	72" C2-LOAMY SAND, 2.5Y 6/2 68.95
72" Bottom 68.25	72" Bottom 68.25	84" C2-LOAMY SAND, 2.5Y 6/2 68.95
84" Bottom 68.25	84" Bottom 68.25	96" C2-LOAMY SAND, 2.5Y 6/2 68.95
		108" SAMPLE LAYER 68.25
		120" Bottom 64.29
		132" Bottom 64.29

**VARIANCE REQUEST:**

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.

- 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 LOAMED AND SEED 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.



**DESIGN CALCULATIONS**

FLOW SIZE FOR 4 BEDROOMS  
(4bedrn)(110gpd/bedrn) = 440 gpd 880 PEAK

SEPTIC TANK:  
NEW 1500 GAL. TANK > 880

LEACHING FIELD:  
RATE = (1/66) sf/gpd FOR PERC = 8mph CLASS I  
MINIMUM SIZE: (440gpd)(1/66sf/gpd) = 667 sf  
USE 16' x 42' = 672 sf

**LEGEND**

EXISTING SPOT GRADE x47.51	EXISTING CONTOUR 49
PROPOSED SPOT GRADE 47.51	PROPOSED CONTOUR 49
TEST PIT	SOIL PLOT 2.5Y/2
DISTRIBUTION BOX	EDGE OF WETLAND
SEPTIC TANK	100' WETLAND BUFFER
WATER LINE	RIVER FRONT OFFSETS
UTILITY LINE	STAKED HAY BALES
EXISTING FENCE	
PROPOSED FENCE	

**REVISIONS**

DATE	PER CONSERVATION COMMISSION	DESCRIPTION
5/21/07		

**SEWAGE DISPOSAL SYSTEM UPGRADE PLAN**

LOT 16  
LOT ADDRESS: 634 LINCOLN STREET  
BY: SEEKONK, MA 02771

PREPARED FOR:  
JANIE RUA  
16 BRAND STREET  
CENTRAL FALLS, RI 02863

SCALE: AS SHOWN  
DATE: 4/6/07  
DESIGNED BY: DRH  
JOB NO: 07-110  
FILE: 634LINCOLN.dwg

AREA OF LOT: 18,256 sq ft  
MAP 16

OSD SYSTEMS ASSOCIATES, Inc.  
45 ASTRAL AVENUE  
RIVERSIDE, RI 02915  
(401) 439-6216

SHEET 1 OF 2

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

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1/15/2007  
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