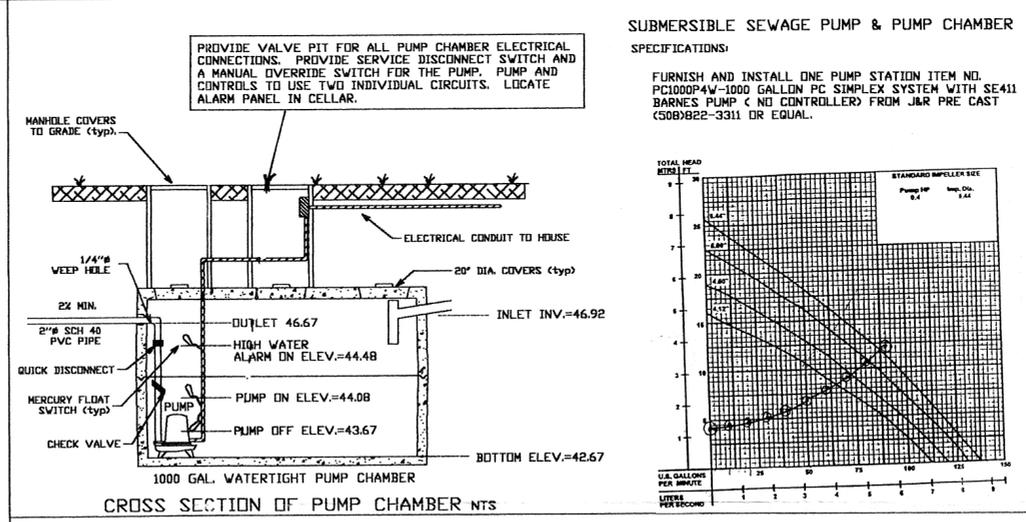
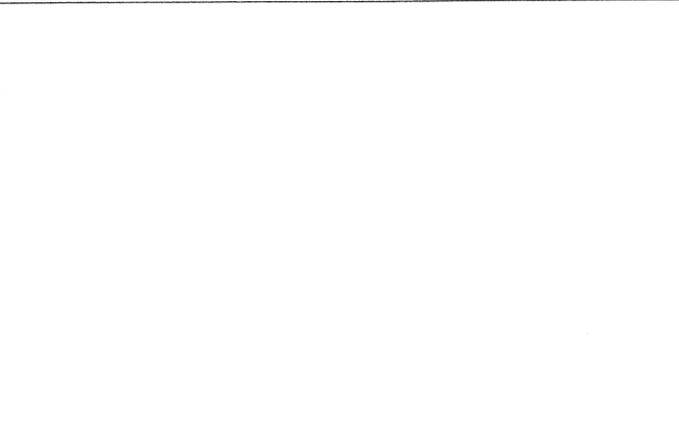
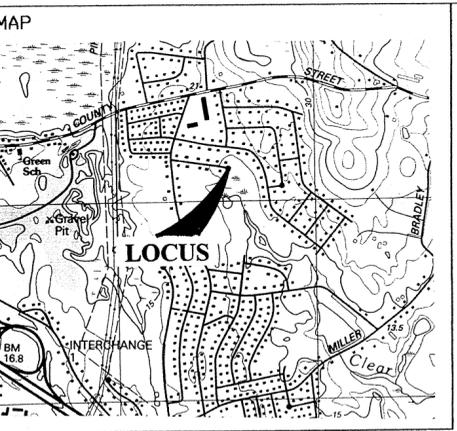


- GENERAL NOTES:
1. ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF SEEKONK BOARD OF HEALTH RULES AND REGULATIONS AND TITLE 5, THE STATE ENVIRONMENTAL CODE.
 2. THIS PLAN IS TO BE USED FOR THE CONSTRUCTION OF THE DESIGN DISPOSAL SYSTEM AND DOES NOT REPRESENT ACTUAL AS BUILT CONDITIONS UNLESS OTHERWISE 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 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 (DD) AS SHOWN HEREON IS TO BE STRIPPED OF ALL TREES, BRUSH, STUMPS, TOPSOIL, PEAT, OR OTHER IMPERVIOUS MATERIALS. THE (DD) 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. THE FINISHED GRADE OVER SEPTIC SYSTEM SHALL BE GRADED, LOAMED, AND SEEDED.



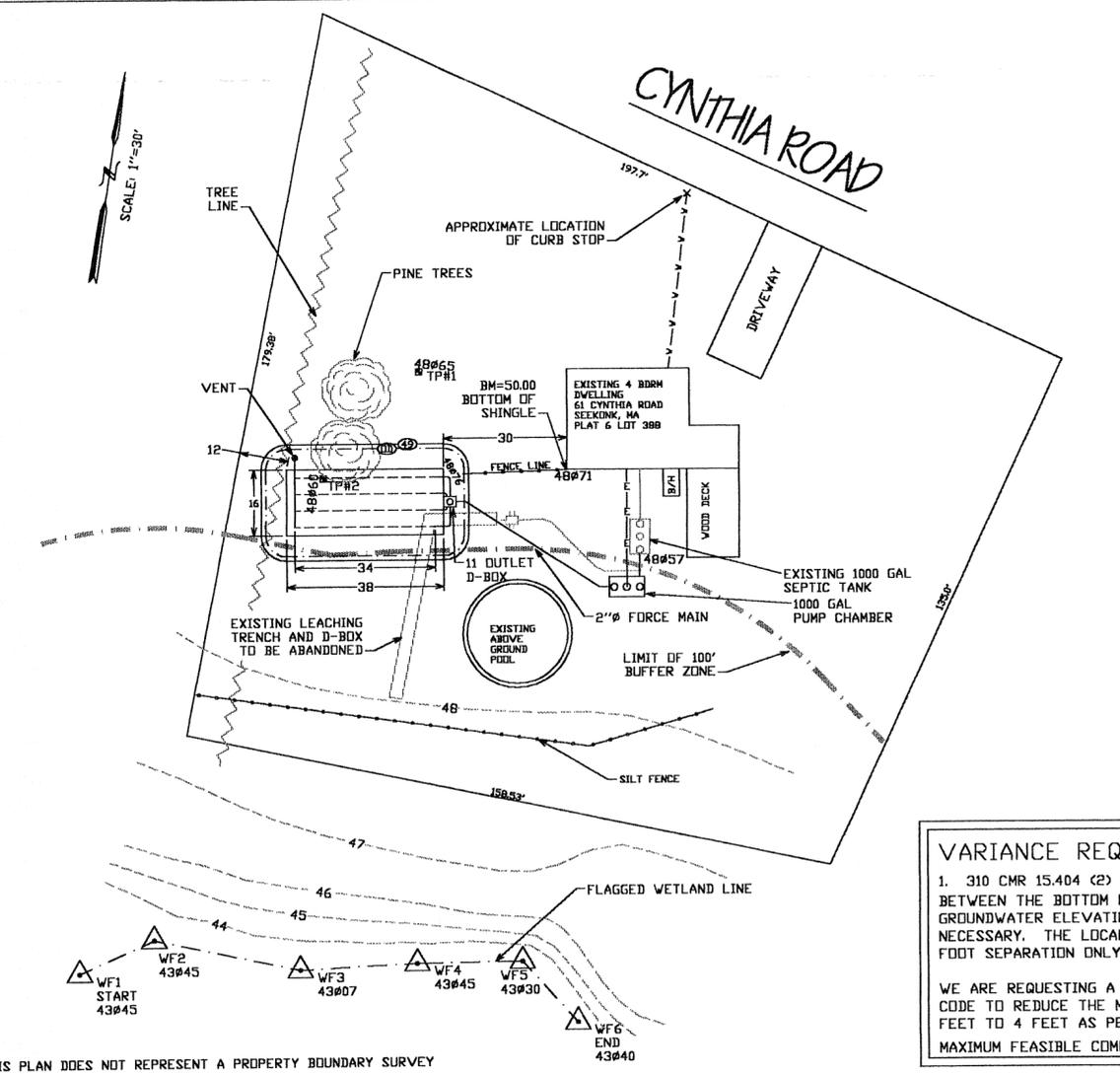
DESIGN CALCULATIONS

FLOW:
 $(4\text{bdrm}) \times (110\text{gpd/bdrm}) = 440\text{ gpd}$ 880 PEAK

SEPTIC TANK:
 EXISTING 1000 GAL. TANK > 880

LEACHING FIELD:
 RATE: USE 2mpi CLASS 1 FOR SIZING FIELD
 RATE = $(1/0.74) \text{ sf/gpd}$
 MINIMUM SIZE: $(440\text{gpd}) \times (1/0.74\text{sf/gpd}) = 595\text{sf}$
 USE $16' \times 38' = 608\text{sf}$

PUMP CHAMBER:
 CHAMBER CAPACITY: 1000GAL TANK H-10
 FOUR 110 GAL DOSES PER DAY
 DEPTH OF DOSE: 0.41'
 RESERVE VOLUME REQUIRED=440GAL
 DEPTH OF RESERVE VOLUME REQUIRED=1.63'



TEST PIT LOG NOT TO SCALE

Date Excavated: 10/10/01
 Logged by: DEAN MONSEES
 Observed by: HAROLD CHENEVERT, Jr.
 Board of Health: SEEKONK
 Geologic Material: OUTWASH / ICE CONTACT
 Landform: KAME TERRACE

DEPTH	SOIL TYPE	ELEVATION
0"	A- SANDY LOAM 10YR 4/1	48.65
12"	B- LOAMY SAND 10YR 6/B	47.98
24"	B- LOAMY SAND 10YR 6/B	47.15
36"	C- SILT 2.5Y 7/4	
48"		
60"		
72"		
84"		
Bottom		41.57

TEST PIT LOG NOT TO SCALE

Date Excavated: 10/10/01
 Logged by: DEAN MONSEES
 Observed by: HAROLD CHENEVERT, Jr.
 Board of Health: SEEKONK
 Geologic Material: OUTWASH / ICE CONTACT
 Landform: KAME TERRACE
 PERCOLATION RATE: 2mpi

DEPTH	SOIL TYPE	ELEVATION
0"	A- SANDY LOAM 10YR 4/1	48.60
12"	B- LOAMY SAND 10YR 6/B	47.93
24"	B- LOAMY SAND 10YR 6/B	47.18
36"	C1- SILT 2.5Y 7/4	
48"		
60"		
72"		
84"		
96"		
108"		
120"		
Bottom		38.60

VARIANCE REQUEST:

1. 310 CMR 15.404 (2) (b) "A MINIMUM OF FIVE 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 FOUR FOOT SEPARATION ONLY IN FULL COMPLIANCE WITH 310 CMR 15.405 (1)(1)."

WE ARE REQUESTING A VARIANCE FROM TITLE 5 OF THE STATE SANITARY CODE TO REDUCE THE MINIMUM GROUNDWATER SEPARATION FROM 5 FEET TO 4 FEET AS PER 310 CMR 15.404, APPROVALS FOR UPGRADES TO MAXIMUM FEASIBLE COMPLIANCE.

CONSTRUCTION NOTE:

OSD engineering & associates TO BE NOTIFIED BY THE INSTALLING CONTRACTOR AT THE START OF CONSTRUCTION AND TO BE GIVEN 24 HOUR NOTICE FOR AS-BUILT.

- LEGEND
- DEEP OBSERVATION HOLE TP#1
 - DISTRIBUTION BOX
 - SEPTIC TANK
 - PUMP CHAMBER
 - WATER LINE
 - ELECTRICAL LINE
 - EXISTING CONTOUR 47
 - EXISTING SPOT GRADE 47.638
 - PROPOSED CONTOUR 47
 - OVER-DIG LIMIT (DD)
 - WETLAND LINE (WF1 START 43#45)
 - WETLAND BUFFER

REVISIONS

DATE	DESCRIPTION

SEWAGE DISPOSAL SYSTEM REPAIR PL

MAP: 6 AREA OF LOT: 27,882sf LOT: 388
 LOT ADDRESS: 61 CYNTHIA ROAD
 IN
 SEEKONK, MA 02771

PREPARED FOR:

CARL GIBEAU
 61 CYNTHIA ROAD
 SEEKONK, MA 02771

SCALE: AS SHOWN
 DATE: 10/20/01

DESIGNED BY: DRM
 JOB NO: 01-144
 FILE: 61CYNTHIA.dwg

OSD engineering & associates
 CIVIL ENGINEERS
 45 ASTRAL AVENUE
 RIVERSIDE, R.I.
 (401) 438-6216

OSD



Received
 OCT 25 2001
 Con. Comm.