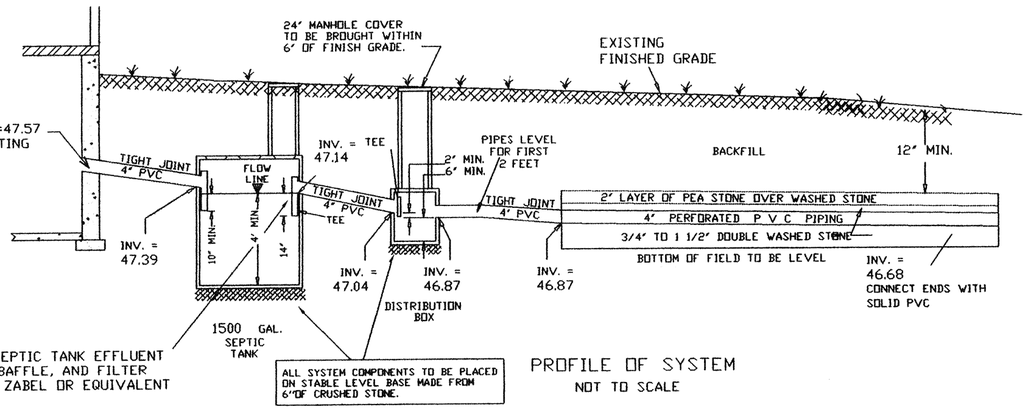
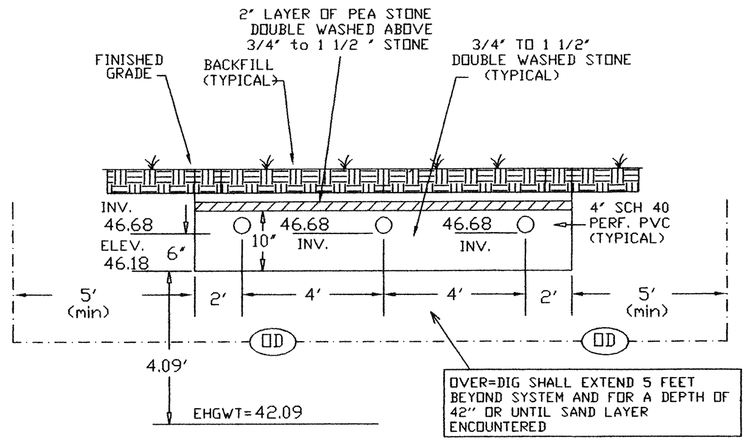


PROFILE OF SYSTEM
NOT TO SCALE

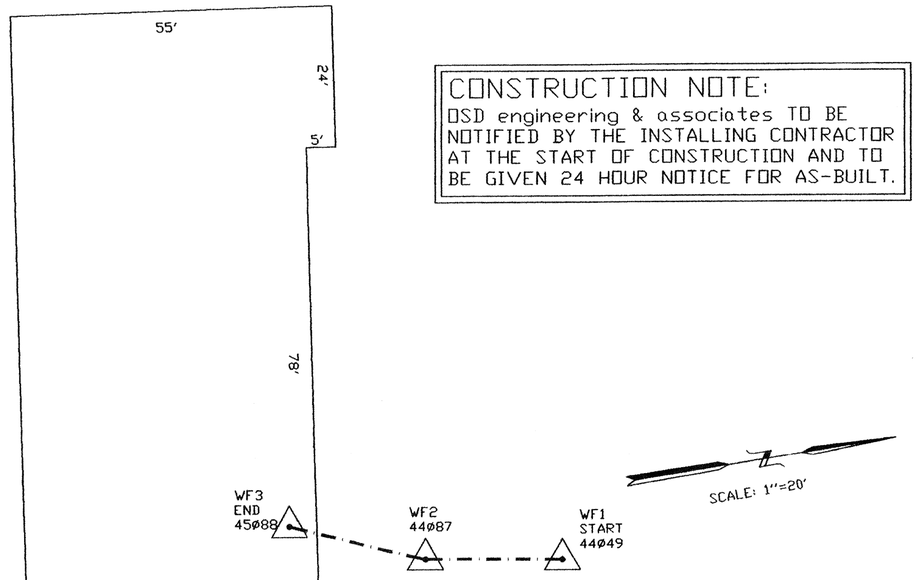


END SECTION THROUGH LEACH FIELD
NOT TO SCALE

GENERAL NOTES:

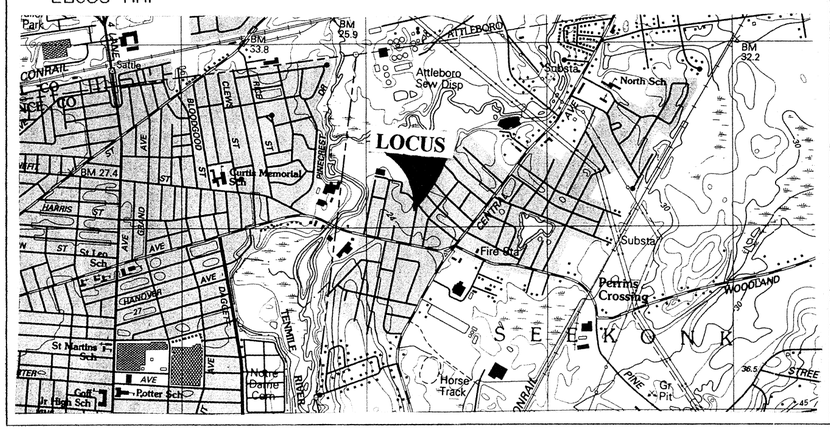
1. ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF SEEKONK BOARD OF HEALTH RULES AND REGULATIONS AND TITLE 5, THE STATE ENVIRONMENTAL CODE.
2. THIS PLAN IS TO BE USED FOR THE CONSTRUCTION OF THE DESIGN DISPOSAL SYSTEM AND DOES NOT REPRESENT ACTUAL AS BUILT CONDITIONS UNLESS OTHERWISE NOTED.
3. THE PROPOSED 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 (OD) AS SHOWN HEREON IS TO BE STRIPPED OF ALL TREES, BRUSH, STUMPS, TOPSOIL, PEAT, OR OTHER IMPERVIOUS MATERIALS. THE (OD) 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. EXISTING CESSPOOLS SHALL BE ABANDONED BY PUMPING, COLLAPSING, AND FILLING WITH CLEAN GRANULAR FILL.
12. 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.
13. THERE SHALL BE NO BACK FILLING PRIOR TO ENGINEERING AND BOARD OF HEALTH INSPECTION AND APPROVAL.
14. THE FINISHED GRADE OVER SEPTIC SYSTEM SHALL BE GRADED, LOAMED, AND SEEDED.

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.



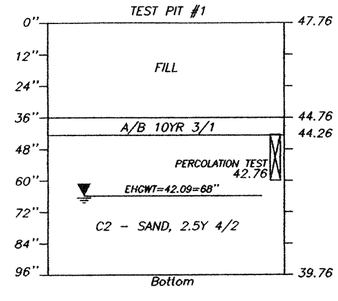
PLAN REFERENCE:
"MAP OF LAND IN SEEKONK MASSACHUSETTS"
PREPARED FOR PATTI GAMBOA,
BY ANTHONY A. CAPUTO R.L.S.
DATED SEPTEMBER 6, 2000

LOCUS MAP



TEST PIT LOG
NOT TO SCALE

Date Excavated: AUGUST 1, 2000
Logged by: ALLAN SHEAR
Observed by: HAROLD CHENEVERT, Jr.
Board of Health: SEEKONK
Geologic Material: Outwash
Landform: Outwash Plain
Design Percolation Rate:<2mpi



SOIL LOGS
NOT TO SCALE

DESIGN CALCULATIONS

FLOW:
(3BDRM)(110gpd/BDRM) = 330 GPD 660 PEAK

SEPTIC TANK:
1500 GAL. TANK > 660

LEACHING FIELD:
RATE = (1/.74) sf/gpd FOR PERC = <2mpi
MINIMUM SIZE: (330GPD)(1/.74)sf/GPD) = 446 sf
USE 12' x 38' = 456 sf > 446 sf

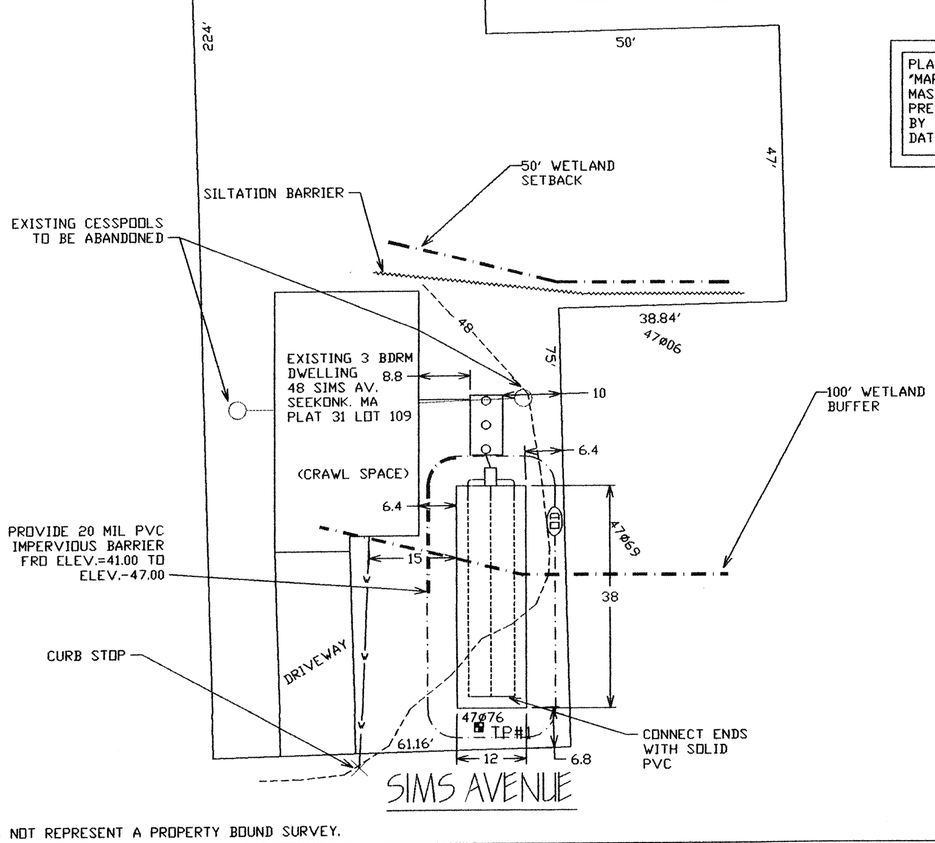
LEGEND

TEST PIT	TP#1
DISTRIBUTION BOX	
SEPTIC TANK	
WATER SERVICE	
LIMIT OF OVER-DIG	OD
EXISTING CONTOUR	47
EXISTING SPOT GRADE	47Ø38
WETLAND FLAG	WF#2 47Ø62
LIMIT OF WETLAND SETBACKS	
SILTATION BARRIER	
20 MIL PVC BARRIER	

REVISIONS

DATE DESCRIPTION

69-451



VARIANCE REQUESTS:

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)(I)."

WE ARE REQUESTING A VARIANCE FROM TITLE 5 OF THE STATE SANITARY CODE TO REDUCE THE THE MINIMUM GROUNDWATER SEPARATION FROM 5 FEET TO 4.09 FEET AS PER 310 CMR 15.404, APPROVALS FOR UPGRADES TO MAXIMUM FEASIBLE COMPLIANCE.

2. 310 CMR 15.211 (1) MINIMUM SETBACK DISTANCES "ALL SYSTEMS MUST CONFORM TO THE MINIMUM SETBACK DISTANCE FOR SEPTIC TANKS AND SOIL ABSORPTION SYSTEMS"

WE ARE REQUESTING A VARIANCE TO REDUCE THE SEPTIC TANK SETBACK DISTANCE FOR A CRAWL SPACE FOUNDATION FROM 10 FEET TO 8.8 FEET AND FOR THE SAS TO A CRAWL SPACE FOUNDATION FROM 10 FEET TO 6.4 FEET. ALSO FOR THE SAS FROM THE SIDE PROPERTY LINE FROM 10 FEET TO 6.4 FEET AND FROM THE FRONT PROPERTY LINE FROM 10 FEET TO 6.8 FEET.

SEWAGE DISPOSAL SYSTEM PLAN

LOT NUMBER: 109 AREA OF LOT: 14,507sf PLAT NO.: 31

LOT ADDRESS: 48 SIMS AVENUE
IN
SEEKONK, MA
PREPARED FOR:
PATTI GAMBOA
49 ROBINHOOD DRIVE
SEEKONK, MA 02771

SCALE: AS SHOWN
DATE: OCTOBER 10, 2000

DESIGNED BY: DRM
JOB NO: 00-154
FILE: 48SIMS.dwg

12 Oct 2000

OSD engineering & associates
CIVIL ENGINEERS
45 ASTRAL AVENUE
RIVERSIDE, R.I.
(401) 438-3338
OSD

DOES NOT REPRESENT A PROPERTY BOUND SURVEY.

Received
OCT 19 2000
Con. Comm.