

**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 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) IF 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 MATERIAL AND TO THE DEPTH SPECIFIED. THE REPLACEMENT MATERIAL SHALL MEET SPECIFICATIONS OF 30 CMR 15.025 OF THE STATE ENVIRONMENTAL CODE.
11. ANY SOILS, STONE OR SEPTIC COMPONENTS ASSOCIATED WITH EXISTING FAILED LEACHING FACILITIES SHALL BE REMOVED AND REPLACED WITH MATERIAL MEETING SPECIFICATIONS OF 30 CMR 15.025 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, LOWMED, AND SEEDED.

**VARIANCE REQUEST:**

- 1) 310 CMR 15.405 (1)(c) CONTENTS OF LOCAL UPGRADATE APPROVAL
- 2) A SIEVE ANALYSIS MAY BE PERFORMED IN ACCORDANCE WITH DEPARTMENT GUIDANCE IF A PERCOLATION TEST IN ACCORDANCE WITH 310 CMR 15.104 AND
- 3) 15.105 CAN NOT BE PERFORMED AS DETERMINED BY THE LOCAL APPROVING AUTHORITY.

WE ARE REQUESTING A VARIANCE TO ALLOW FOR A SIEVE ANALYSIS TO BE USED TO ESTABLISH A DESIGN PERCOLATION RATE IN PLACE OF A FIELD PERCOLATION TEST.

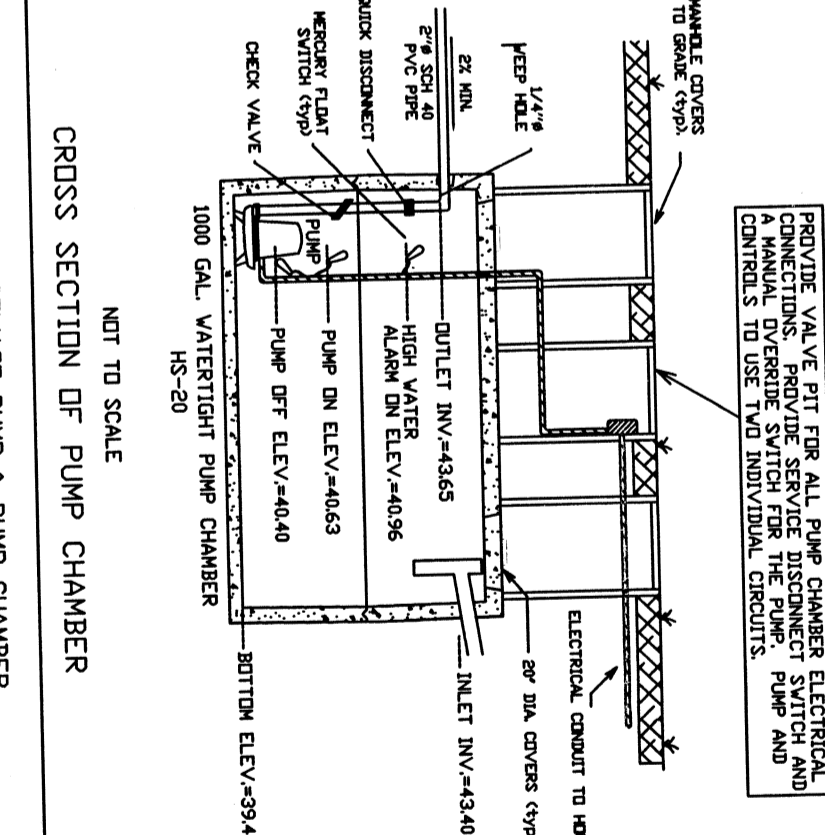
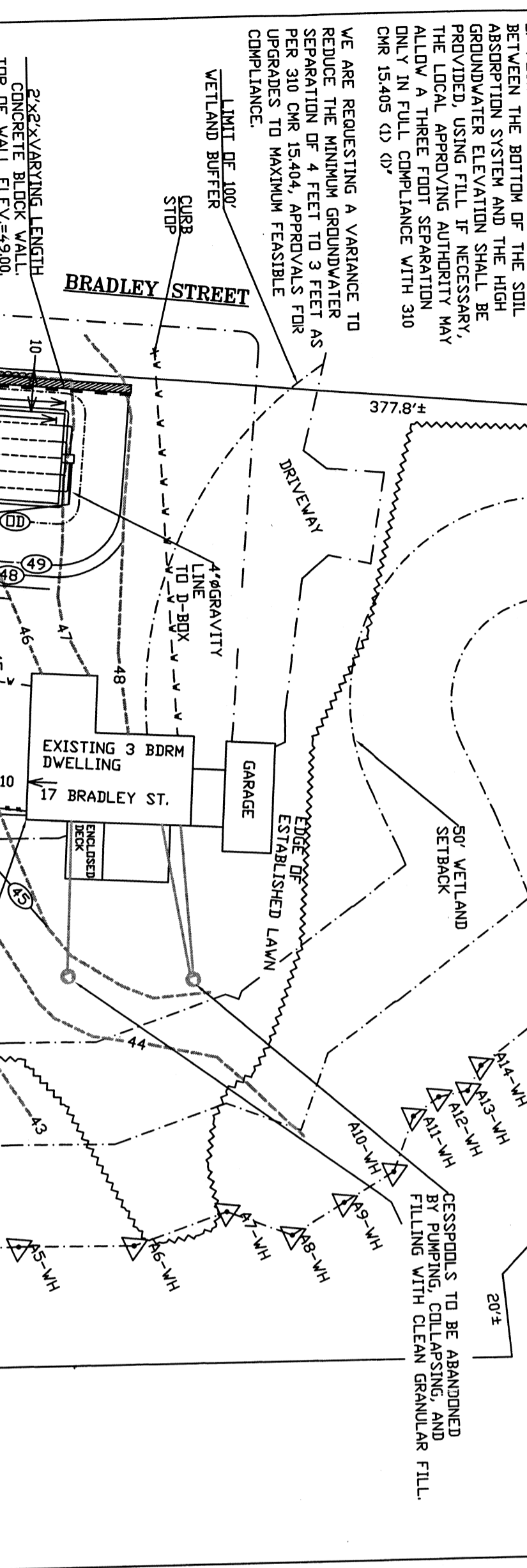
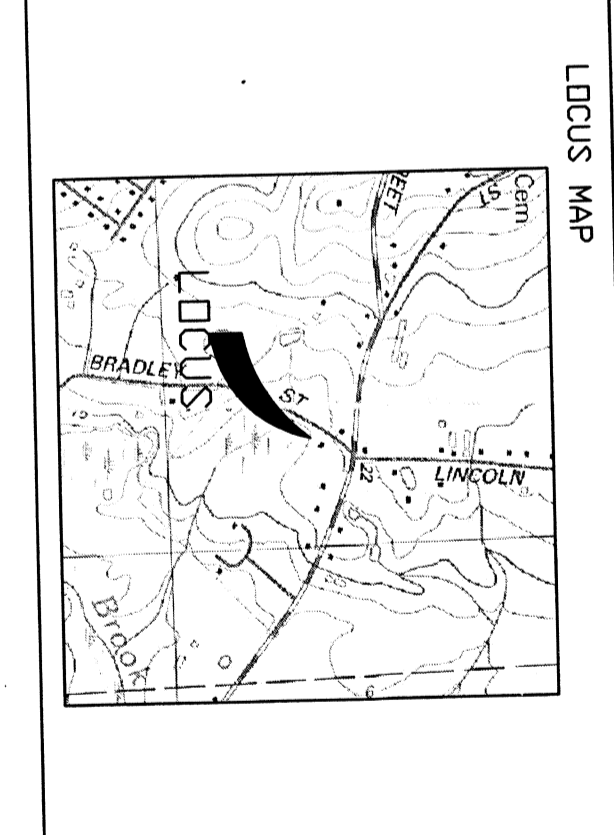
- 2) 310 CMR 15.404 (2) (c) A MINIMUM OF FOUR FEET OF SEPARATION BETWEEN THE BOTTOM OF THE SOIL ABSORPTION SYSTEM AND THE HIGH GROUNDWATER ELEVATION SHALL BE PROVIDED, USING FILL IF NECESSARY, THE LOCAL APPROVING AUTHORITY MAY ALLOW A THREE FOOT SEPARATION ONLY IN FULL COMPLIANCE WITH 310 CMR 15.405 (d) (v)

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 UPGRADERS TO MAXIMUM FEASIBLE COMPLIANCE.

**TEST PIT LOG**  
NOT TO SCALE

Date Excavated: 10/7/13  
Soil Sampled: 10/7/13  
Observed by: BETH HULL  
Board of Health: SEEKONK  
Geologic Interpretation:  
DESIGN PERC. RATE: 30mpf

TEST PIT #	DEPTH	DESCRIPTION
1	0" - 12"	A- SANDY LOAM 10R 3/1
2	12" - 24"	B- SANDY LOAM 10R 5/8
3	24" - 36"	C01- SANDY LOAM 25R 6/3
4	36" - 48"	C2- SANDY LOAM 25R 6/2
5	48" - 60"	
6	60" - 72"	
7	72" - 84"	
8	84" - 96"	
9	96" - 108"	
10	108" - 120"	



**DESIGN CALCULATIONS**

FLOW, SIZE FOR 3 BEDROOMS  
(3bedrm)(10gpd/bedrm) = 330 gpd 660 PEAK

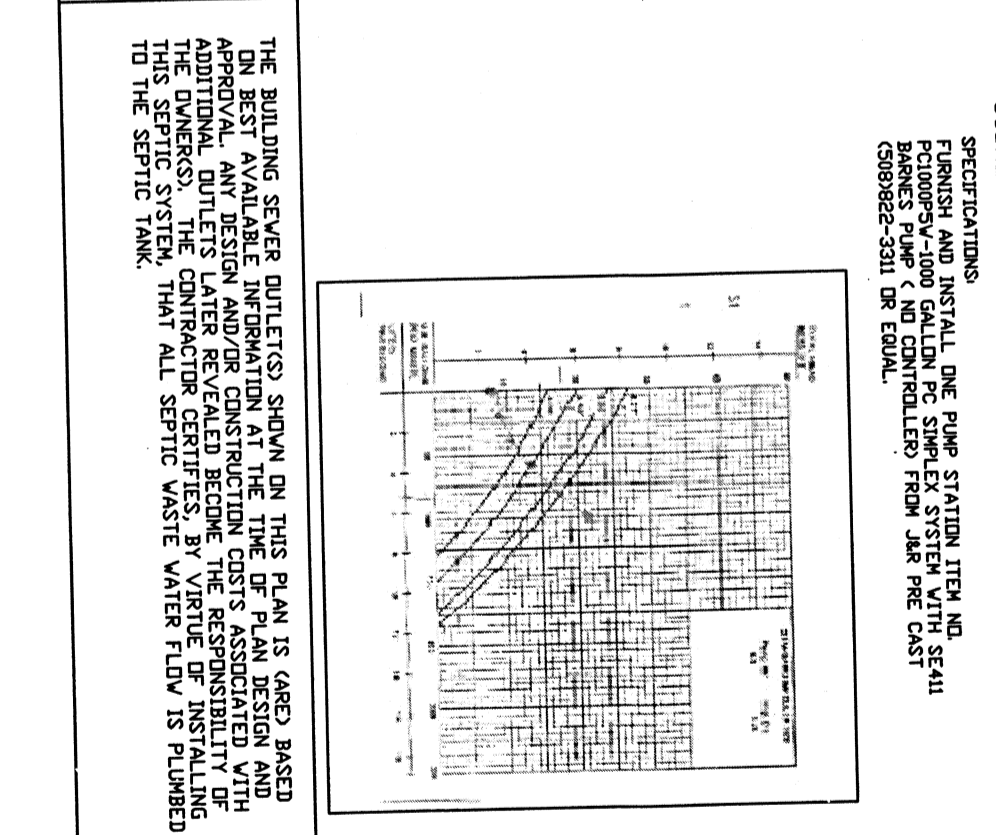
SEPTIC TANK: HS-20  
NEW 1500 GAL TANK > 660

LEACHING FIELD:  
RATE = (1/33) sf/gpd FOR PERC = 30mp CLASS II  
MINIMUM SIZE: (330gpd)(1/33)sf/gpd = 1000 sf  
USE LEACHING FIELD 22'x46'=1012sf

PUMP CHAMBER: HS-20  
CHAMBER CAPACITY: 1000 GAL  
USE A 43 GAL DISE-TITE OR  
BACK FILL DISE-TITE  
RESERVE VOLUME REQUIRED=330GAL  
DEPTH OF RESERVE VOLUME REQUIRED=138"

**CONSTRUCTION NOTE:**

- 1) THE BUILDING SEWER OUTLETS SHOWN ON THIS PLAN IS (ARE) BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF PLAN DESIGN AND APPROVAL. ANY DESIGN AND/OR CONSTRUCTION COSTS RESPONSIBILITY OF ADDITIONAL OUTLETS CONSTRUCTION AND BY VIRTUE OF INSTALLING THIS SEPTIC SYSTEM, THAT ALL SEPTIC WASTE WATER FLOW IS PLUMBED TO THE SEPTIC TANK.
- 2) THE BUILDING SEWER OUTLETS SHOWN ON THIS PLAN IS (ARE) BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF PLAN DESIGN AND APPROVAL. ANY DESIGN AND/OR CONSTRUCTION COSTS RESPONSIBILITY OF ADDITIONAL OUTLETS CONSTRUCTION AND BY VIRTUE OF INSTALLING THIS SEPTIC SYSTEM, THAT ALL SEPTIC WASTE WATER FLOW IS PLUMBED TO THE SEPTIC TANK.
- 3) INSTALLING CONTRACTOR IS TO OBTAIN A GENERAL NOTE #3 WASTE WATER DISCHARGE FROM THE BUILDING IS PLUMBED TO THE SEPTIC TANK.



**SEWAGE DISPOSAL SYSTEM REPAIR PLAN**

LOT NUMBER: 28 AREA OF LOTS 62,500sf+/- PLAT NO. 5  
LOT ADDRESS: 17 BRADLEY STREET  
IN: SEEKONK, MA 02771

PREPARED FOR: ELIZABETH A BILLODEAU  
2080 MAPLE STREET  
NORTH DIGHTON, MA 02764

SCALE: AS SHOWN  
DATE: 10/16/13

DESIGNED BY: DRH  
JOB NO.: 13-198  
FILE: 2200.DI.NAL\_VAY.dwg

OSD  
2613  
R04

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