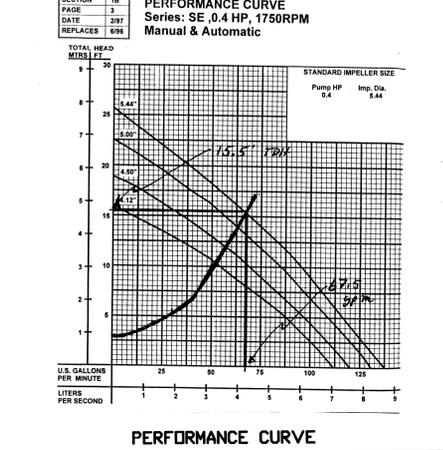
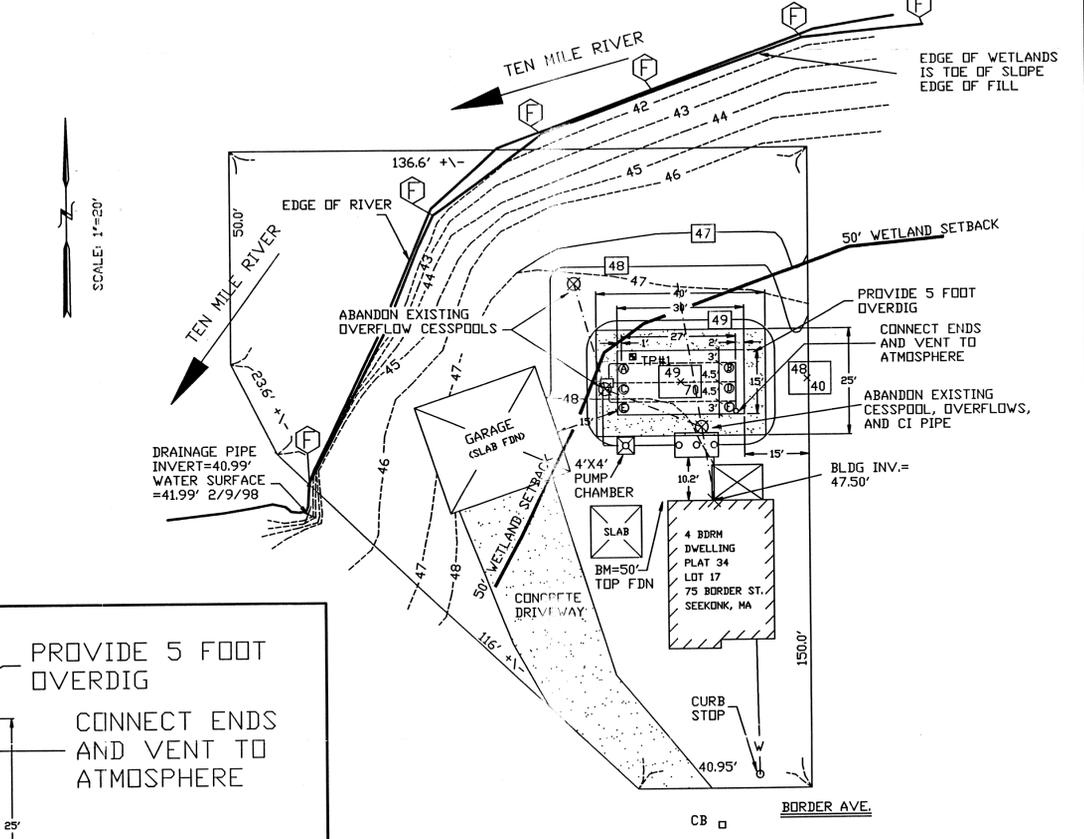


**VARIANCE REQUEST:**

- 310 CMR 15.405 (1)(d) CONTENTS OF LOCAL UPGRADE APPROVAL THE LOCAL APPROVING AUTHORITY MAY REDUCE THE REQUIRED FIVE FOOT SEPARATION (IN SOILS WITH A RECORDED PERCOLATION RATE OF TWO MINUTES OR LESS PER INCH) BETWEEN THE BOTTOM OF THE SOIL ABSORPTION SYSTEM AND THE HIGH GROUNDWATER ELEVATION ONLY IF ALL OF THE FOLLOWING CONDITIONS ARE MET:
  - A MINIMUM FOUR FOOT SEPARATION (IN SOILS WITH A RECORDED PERCOLATION RATE OF TWO MINUTES OR LESS PER INCH) BETWEEN THE BOTTOM OF THE SOIL ABSORPTION SYSTEM AND THE HIGH GROUNDWATER ELEVATION IS MAINTAINED.
  - NO REDUCTION IN LEACHING FIELD SIZE ...

WE ARE REQUESTING A VARIANCE FROM THE TOWN OF SEEKONK AND THE STATE DEP FOR A REDUCTION OF THE REQUIRED HIGH GROUNDWATER ELEVATION SEPARATION OF 5 FEET TO 4 FEET AND A REDUCTION OF LEACHING FIELD SIZE BY 25%.



**PERCOLATION TESTS**  
 PERCOLATION TEST #1 DATE: 11/20/97  
 PERCOLATION RATE: < 2 MIN./IN.  
 DEPTH OF PERC: 75"  
 DESIGN PERCOLATION RATE: 2 MINS. PER INCH

**BENCH MARKS**  
 BENCH MARK #1 ELEVATION: ASSUMED DATUM=50.00'  
 DESCRIPTION: TOP OF FOUNDATION AS SHOWN

**DESIGN CALCULATIONS**

FLOW:  
 (4 BDRM)(110GPD/BDRM) = 440GPD -- 880 PEAK

SEPTIC TANK:  
 USE 1500 GAL > 880 GAL

LEACHING FIELD:  
 RATE = 1.35SF/GPD FOR PERC = 2 MINS/IN  
 MINIMUM SIZE: (330GPD)(1.35SF/GPD) = 446SF  
 USE 15'X30' = 450SF > 446SF

**GENERAL NOTES**

- ALL CONSTRUCTION SHALL CONFORM TO THE TOWN OF SEEKONK BOARD OF HEALTH RULES AND REGULATIONS AND TITLE 5, THE STATE ENVIRONMENTAL CODE.
- THIS PLAN IS TO BE USED ONLY FOR THE CONSTRUCTION OF THE DESIGN DISPOSAL SYSTEM AND DOES NOT REPRESENT ACTUAL AS BUILT CONDITIONS UNLESS OTHERWISE NOTED.
- THE PROPOSED SYSTEM SHOWN HEREON IS NOT DESIGNED FOR THE USE OF A GARBAGE DISPOSAL AND SAID USE IS NOT ALLOWED.
- THE SEPTIC TANK SHOULD BE PUMPED OUT EVERY ONE TO TWO YEARS DEPENDING ON USE.
- ALL WASHED STONE IN FIELD MUST HAVE LESS THAN 0.2 PERCENT MATERIAL FINER THAN A NUMBER 200 SIEVE AS DETERMINED BY THE A.A.S.H.T.O. (AS MOST RECENTLY AMENDED) AND BE DOUBLE WASHED.
- TIGHT JOINT PIPING TO CONSIST OF POLYVINYL CHLORIDE PIPE (PVC) SCHEDULE 40, UNLESS OTHERWISE NOTED.
- NO PERMANENT STRUCTURE MAY BE CONSTRUCTED OVER THE CONSTRUCTION AREA.
- BEFORE BEGINNING ANY EXCAVATION OR DEMOLITION CALL "DIG SAFE" AT 1-800-322-4844 TO NOTIFY MEMBER UTILITIES.

**DEEP OBSERVATION HOLES**

DATE: 11/20/97

| HOLE #1  | SOIL DEPTH, HORIZON, & TEXTURE: |
|----------|---------------------------------|
| 0'-20"   | A LOAMY SAND                    |
| 20'-40"  | B LOAMY SAND                    |
| 40'-49"  | Cd LOAMY SILT                   |
| 49'-120" | C1 SAND (PLACE SAS IN C1 SAND)  |

SURFACE EL. 47.57'  
 EST. SEASONAL HIGH GROUND WATER 50'  
 WEEPING WATER EL. 40.23'  
 STANDING WATER EL. NONE OBSERVED  
 BEDROCK EL. NONE OBSERVED

TOWN AGENT: HAROLD E. CHENEVERT, JR.  
 SOIL EVALUATOR: DEAN MONSEES

**DESIGN ELEVATIONS**

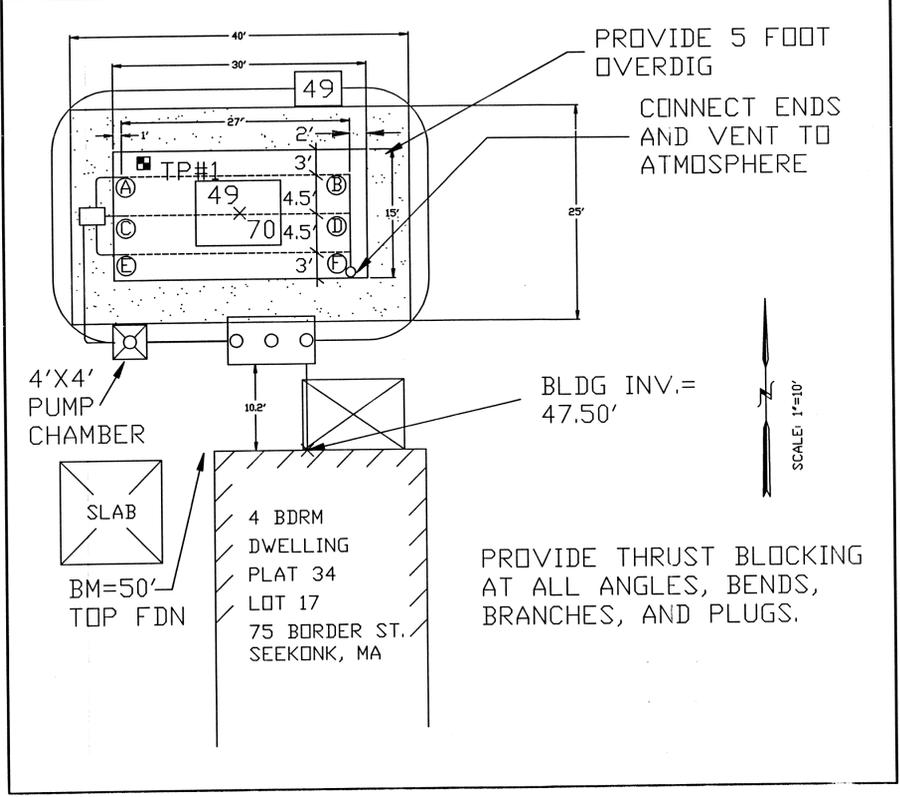
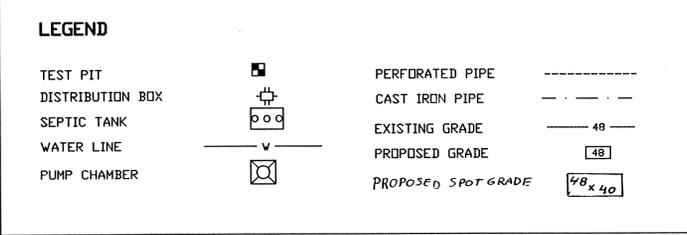
HOUSE ELEVATIONS:  
 BUILDING SEWER AT FOUNDATION: 47.50'

SEPTIC TANK:  
 SIZE OF SEPTIC TANK: 1500 GALLONS  
 INLET: 47.24' OUTLET: 46.99'

PUMP CHAMBER:  
 GRAVITY FEED INLET INVERT: 46.88'

DISTRIBUTION BOX: (WITH TEE)  
 INLET: 48.21' OUTLETS: 48.04'

LATERAL INVERTS:  
 (A) 48.04' (B) 47.90'  
 (C) 48.04' (D) 47.90'  
 (E) 48.04' (F) 47.90'



**SEEKONK NOTES**

I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THERE ARE NO ACTIVE WATER WELLS WITH IN 200 FEET OF THE PROPOSED SEPTIC SYSTEM REPAIR.

I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT FOR THE LOCATION OF THE EXISTING WATER SERVICE CURB STOP TO LOT 17 AND IT IS SHOWN CORRECTLY. THE WATER SERVICE SHOWN ON THIS PLAN IS IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE SEEKONK WATER DISTRICT.

**SEWAGE DISPOSAL SYSTEM**

LOT NUMBER: 17 AREA OF LOT: 15,633+-SF ASSESSORS MAP: 34  
 LOT ADDRESS: 75 BORDER AVENUE  
 IN  
**SEEKONK, MASS.**  
 PREPARED FOR:  
 STEPHEN & CHRISTINA LUTHY  
 75 BORDER AVENUE  
 SEEKONK, MA 02771

SCALE: AS SHOWN  
 DATE: FEBRUARY 4, 1998  
 REVISIONS:

DESIGNED BY: DEAN R. MONSEES  
 JOB NO: 98-108  
 FILE: 75BORDER.PLT.DWG

**DSD engineering & associates**  
 CIVIL ENGINEERS  
 62 WATSON STREET  
 SEEKONK, MA 02771  
 (508) 336-3903

**OSD**