



- 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 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 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. EXISTING LEACHING PIT 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.

**DESIGN CALCULATIONS**  
 FLOW: SIZE FOR 5 BEDROOMS  
 (5bedrm)(110gpd/bedrm) = 550 gpd 1100 PEAK

**SEPTIC TANK:**  
 NEW 1500 GAL. TANK > 1100

**LEACHING FIELD:**  
 RATE = (1/66) sf/gpd FOR DESIGN PERC RATE = 8mp CLASS 1 SOIL  
 MINIMUM SIZE: (550gpd)/(1/66sf/gpd) = 834 sf  
 USE 15' x 56' = 840sf

**PUMP CHAMBER:**  
 CHAMBER CAPACITY: 1000GAL TANK H-10  
 FOUR 137.5 GAL DOSES PER DAY+13.5 GAL  
 BACK FLOW=151 GAL  
 DEPTH OF DOSE: 0.63'  
 RESERVE VOLUME REQUIRED=550GAL  
 DEPTH OF RESERVE VOLUME REQUIRED=2.30'

**LEGEND**

DEEP OBSERVATION HOLE	TP#2	EXISTING CONTOUR	47
SEPTIC TANK	□	EXISTING SPDT GRADE	47x38
PUMP CHAMBER	□	PROPOSED CONTOUR	50
ELECTRIC LINE	—UL—UL—	PROPOSED SPDT GRADE	51x57
		WETLAND FLAG	50x12
		WETLAND LINE	---

**REVISIONS**

DATE	DESCRIPTION
6/23/04	25' NO DISTURBANCE ZONE, 100' WETLAND SETBACK

**SEWAGE DISPOSAL SYSTEM REPAIR PLAN**

LOT NUMBER: 139 AREA OF LOT: 40,513sf PLAT NO.: 10  
 LOT ADDRESS: 104 BRIARBROOK DRIVE SE 69-54  
 IN  
 SEEKONK, MA

PREPARED FOR:  
 KAREN MCALDON  
 22 TALLMAN AVENUE  
 CRANSTON, RI 02910

SCALE: AS SHOWN  
 DATE: 5/14/04

DESIGNED BY: DRM  
 JOB NO: 04-118  
 FILE: 104BRIARBROOK.dwg

DSD systems associates, Inc.  
 45 ASTRAL AVENUE  
 RIVERSIDE, R.I. 02915  
 (401) 438-6216

**CONSTRUCTION NOTE:**  
 OSD systems associates, inc. TO BE NOTIFIED BY THE INSTALLING CONTRACTOR AT THE START OF CONSTRUCTION AND TO BE GIVEN 24 HOUR NOTICE FOR AS-BUILTS

**VARIANCE REQUESTS**

1. 310 CMR 15.404 (2) (b) \* 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 (1) (1).
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 MINIMUM GROUNDWATER SEPARATION OF FOUR FEET TO A SEPARATION OF THREE FEET AS PER 310 CMR 15.404, APPROVALS FOR UPGRADES TO MAXIMUM FEASIBLE COMPLIANCE.

WE ARE REQUESTING A VARIANCE TO REDUCE THE SETBACK DISTANCE FOR THE SOIL ABSORPTION SYSTEM TO THE HOUSE FOUNDATION FROM 20 FEET TO 14 FEET.