



**DESIGN CALCULATIONS**

DESIGN PERC RATE: 1 INCH IN 6 MINUTES  
 DESIGN FLOW: 4 BEDROOMS X 110 GPD/BDM = 440 GPD REQUIRED  
 LEACHING FIELD DESIGN: 440 GPD / (0.70 GPD / S.F.) = 629 S.F. REQUIRED  
 USING A 16' WIDE LEACHING FIELD : LENGTH = 629 SF / 16' = 39.31'  
 THEREFORE, USE A 16' X 40' LEACHING FIELD  
 BOTTOM: 16" WIDE X 40" LONG X 0.70 GPD/SF = 448 GPD PROVIDED

**CONTRACTOR NOTES**

- 1) CONTRACTOR SHALL NOTIFY DIG SAFE AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- 2) CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. THIS PLAN IS BASED ON FIELD AND RECORD INFORMATION AND, THEREFORE, MAY NOT COMPLETELY REFLECT ALL EXISTING UTILITIES.
- 3) CONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER IMMEDIATELY IF FIELD CONDITIONS ARE FOUND TO DIFFER WITH THESE DRAWINGS.
- 4) THE CONTRACTOR SHALL PROVIDE ADEQUATE PROTECTION OF THE ADJUTING AREA AND UTILITIES IN THE CONSTRUCTION OF THIS SITE. REPAIR OF DAMAGED PROPERTY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO COST TO THE OWNER.

**GENERAL NOTES**

- 1) THIS SYSTEM SHALL BE INSPECTED IN ACCORDANCE WITH THE TOWN OF SEEKONK BOARD OF HEALTH REGULATIONS.
- 2) DOUBLE WASHED CRUSHED STONE SHALL BE FREE OF ALL DIRT, DUST AND FINES.
- 3) ALL ELEVATIONS ARE BASED ON SUBDIVISION DATUM.
- 4) HEAVY EQUIPMENT SHALL NOT BE ALLOWED OVER THE LIMITS OF THE OF THE SEWAGE DISPOSAL SYSTEM DURING THE COURSE OF CONSTRUCTION.
- 5) NO FIELD MODIFICATIONS TO THE SEWAGE DISPOSAL SYSTEM SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER AND THE LOCAL BOARD OF HEALTH.
- 6) UNLESS OTHERWISE NOTED ALL SYSTEM COMPONENTS SHALL BE INSTALLED IN ACCORDANCE WITH TITLE V OF THE STATE ENVIRONMENTAL CODE AND ANY APPLICABLE LOCAL REGULATIONS.
- 7) SEPTIC TANK, DISTRIBUTION BOX, ETC. SHALL BE MANUFACTURED BY A ROTONOD & SONS OR APPROVED EQUAL.
- 8) GROUT TO BE USED AT ALL POINTS WHERE PIPES ENTER OR LEAVE ALL CONCRETE STRUCTURES IN ORDER TO PROVIDE A WATER-TIGHT SEAL.
- 9) ALL SHUT-UP JOINTS IN THE SEPTIC TANK SHALL BE SEALED WITH NEOPRENE GASKETS OR ASPHALT.
- 10) EXCAVATE ALL UNSUITABLE MATERIAL IN THE LEACHING AREA AND BACKFILL WITH CLEAN GRANULAR SAND AS REQUIRED BY TITLE V, MASSACHUSETTS ENVIRONMENTAL CODE.
- 11) THIS SYSTEM IS NOT DESIGNED FOR A GARAGE DISPOSAL UNIT.

**ZONING DATA**

ZONING DISTRICT: RESIDENTIAL-2 (AQUIFER PROTECTION OVERLAY DISTRICT)  
 MINIMUM LOT SIZE: 40,000 S.F.  
 MINIMUM FRONTAGE: 150'  
 MINIMUM SETBACKS: FRONT - 25'  
 SIDE - 15'  
 REAR - 20'

**SUBSURFACE SEWAGE DISPOSAL SYSTEM**

P.L.S. STAMP  
 CLIENT: JAMES & KATHLEEN LAVALLEY  
 LOCATION: LAVALLEY RESIDENCE  
 761 COUNTY STREET  
 SEEKONK, MASSACHUSETTS 02771  
 ENGINEERING FIRM: **STTEC, Inc.**  
 Civil and Environmental Engineering  
 Land Use Planning  
 449 Fauceux Corner Road  
 Dartmouth, MA 02747  
 Tel. - (508) 998-2125  
 Fax - (508) 998-7554  
 DATE: MARCH 10, 2011  
 REVISED: APRIL 4, 2011  
 MAY 10, 2011  
 CONTACT PERSON: JEFFREY TALLMAN  
 ACAD NO. : 09\_4501\_LAVALLEY\_SSDS\_RG