

### TEST PIT DATA

SOIL EVALUATOR: LEONARD S. JALBERT, P.E.  
 WITNESSED BY: BERNARD LORKIEWCZ, B.O.H.  
 DATE: APRIL 24, 2003

TEST PIT #5	TEST PIT #6
A 0"-6" SANDY LOAM 10YR 4/4	A 0"-6" SANDY LOAM 10YR 4/4
B 6"-24" SANDY LOAM 2.5 YR 4/4	B 6"-24" SANDY LOAM 2.5 YR 4/6
C 24"-96" SANDY LOAM 10YR 5/6	C 24"-96" SANDY LOAM 10YR 5/6
MOTTLES @ 3" WEEPING @ 6'4"	MOTTLES @ 2'6"

GROUND WATER ELEV (OBSERVED)	3'	GROUND WATER ELEV (OBSERVED)	2'6"
MOTTLING ELEV (OBSERVED)	96"	MOTTLING ELEV (OBSERVED)	96"
REFUSAL ELEV	96"	REFUSAL ELEV	96"

### PERCOLATION TEST DATA

SOIL EVALUATOR: LEONARD S. JALBERT, P.E.  
 WITNESSED BY: BERNARD LORKIEWCZ, B.O.H.  
 DATE: APRIL 24, 2003

PERC 1	PERC 2
48"	48"
13 MPI	13 MPI
15 mpi	15 mpi

SOIL CLASSIFICATION: II

### SETBACKS

ZONE: RURAL RESIDENTIAL  
 AREA: 43,560 SQ. FT. (1 ACRE)  
 FRONTAGE: 150'  
 FRONT YARD: 30'  
 SIDE YARD: 20'  
 REAR YARD: 20'

### DESIGN CRITERIA

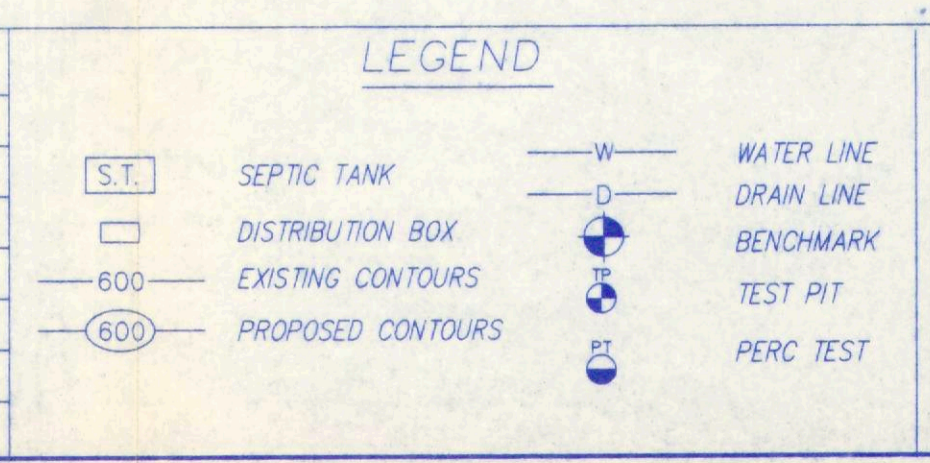
TYPE OF ESTABLISHMENT	4 BEDROOM RESIDENCE
DESIGN FLOW	440 x 1.5 = 660 gpd
SEPTIC TANK CAPACITY	1500 Gallon
LEACHING CAPACITY REQUIRED	440.00 GPD CODE 660 G.P.D. TOWN
BOTTOM AREA CALCULATIONS	28' X 44' = 1232 S.F.
LEACHING CAPACITY PROVIDED	1232 X 0.56 = 689.92 G.P.D.

- ### GENERAL NOTES
- PROPOSED TOP OF CONCRETE IS BASED ON REQUIRED SEPTIC ELEVATIONS. TOP OF CONCRETE IS TO BE SET BASED ON THE BENCHMARK ELEVATION SHOWN ON THE DESIGN PLAN. ANY CHANGES TO PLAN REQUIRES BOARD OF HEALTH APPROVAL. ALL CHANGES TO PLAN IN WRITING AND ARE TO BE REFLECTED ON ORIGINAL DESIGN PLAN-PRIOR APPROVAL FROM BOARD OF HEALTH IS REQUIRED. NO CHANGES WILL BE APPROVED BY THIS COMPANY WITHOUT REVISIONS SUBMITTED TO THE BOARD OF HEALTH.
  - ALL CHANGES TO THIS PLAN MUST BE APPROVED BY THE TOWN OF STURBRIDGE BOARD OF HEALTH AND JALBERT ENGINEERING, INC. (508)-347-5136.
  - ALL SITE WORK AND MATERIALS SHALL BE IN COMPLIANCE WITH TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND THE TOWN OF STURBRIDGE BOARD OF HEALTH RULES AND REGULATIONS.
  - ANY CONDITIONS DURING CONSTRUCTION THAT DIFFER FROM THOSE ENCOUNTERED DURING TESTING SHALL BE REPORTED TO JALBERT ENGINEERING, INC. AND THE LOCAL BOARD OF HEALTH IMMEDIATELY.
  - REMOVE ALL TOPSOIL & SUBSOIL FOR A DISTANCE OF 5 FEET AROUND SYSTEM
  - FILL MATERIAL FOR SYSTEMS CONSTRUCTED IN FILL SHALL CONSIST OF SELECT ON-SITE OR IMPORTED SOIL MATERIAL. THE FILL SHALL BE COMPRISED OF CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND DELETERIOUS SUBSTANCES. MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOIL SHALL NOT BE USED. THE FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN 2 INCHES. A SIEVE ANALYSIS, USING A #4 SIEVE, SHALL BE PERFORMED ON A REPRESENTATIVE SAMPLE OF THE FILL. UP TO 45% BY WEIGHT OF THE FILL SAMPLE MAY BE RETAINED ON THE #4 SIEVE. FOR FURTHER INFORMATION SEE 310CMR 15:255(3).
  - OFFSETS ARE NOT TO BE USED FOR THE REPRODUCTION OF PROPERTY LINES.
  - ALL ELEVATIONS REFER TO AN ASSUMED DATUM.
  - NO ADDITIONAL CAPACITY HAS BEEN PROVIDED FOR A GARBAGE DISPOSAL.
  - THE PROPOSED SITE IS NOT SUBJECT TO THE WETLANDS PROTECTION ACT.
  - THE PROPOSED PROJECT DOES NOT FALL WITHIN A FLOOD HAZARD ZONE.
  - THE SEPTIC TANK SHOULD BE INSPECTED AND PUMPED EVERY 2 YEARS.
  - ALL EXISTING OR PROPOSED WELLS AND SEPTIC SYSTEMS WITHIN 150 FEET OF THE PROPOSED CONSTRUCTION ARE SHOWN OR NOTED TO THE BEST OF OUR KNOWLEDGE.
  - ALL WETLANDS, BROOKS, BODIES OF WATER AND FLOOD HAZARD ZONES WITHIN 150 FEET OF THE PROPOSED CONSTRUCTION ARE SHOWN OR NOTED TO THE BEST OF OUR KNOWLEDGE.
  - INSPECTIONS REQUIRED FOR ASBUILT CERTIFICATION
    - BOTTOM INSPECTION PRIOR TO THE INSTALLATION OF SEWER GRAVEL.
    - ALL COMPONENTS OF SEPTIC SYSTEM MUST BE COMPLETE AND VISIBLE PRIOR TO REQUESTING A FINAL INSPECTION.

	Proposed	As Built
Out @ House	119.42	121.73
S.T in	119.22	119.94
S.T out	118.97	119.69
DB in	114.89	114.91
DB out	114.72	114.72
Beq of field	114.72	114.71
End of field	114.50	114.51

**As-Built**  
 DATE OF FINAL INSPECTION: 11-23-04 DET  
 INSTALLED: KEARNS CONSTRUCTION

DATE	BY	REV.	DATE	DESCRIPTION	MADE	CHK'D	AP'VD
ORIGINAL 8/20/03							
DRAFTED BY:	JAT	1	03/18/04	PER OWNER'S REQUEST	SMB	LSJ	
CHECKED:	LSJ	2	12/1/04	As-Built	DET		
SUPERVISOR:	JAT						
REVIEWED:	JAT						
REVIEWED:							
REVIEWED:							



### NOTES

SEE ATTACHED PLAN FOR LOT CONFIGURATION

**JALBERT ENGINEERING, INC.**  
 CIVIL ENGINEERS & SURVEYORS  
 54 Main Street  
 Sturbridge, Massachusetts 01566-1244  
 Telephone: (508) 347-5136 • Toll Free: 1-800-339-5136  
 Fax: (508) 347-7962

SUBSURFACE SEWAGE DISPOSAL SYSTEM DESIGN  
 DRAWN FOR  
 STEPHEN AND REBECCA CELUZZA  
 LOCATED AT  
 125 (LOT 3R) MASHAPAUG ROAD  
 STURBRIDGE, MASSACHUSETTS

PLAN DATE: 03/18/04  
 DWG NUMBER: 03598  
 SHEET 1 OF 2  
 REVISION 1  
 As-Built

( IN FEET )  
 1 inch = 20 ft.