

LEGEND

Exist. contour ——— 100
 Prop. contour ——— 100
 Exist. elevation x100.0
 Prop. elevation x100.0
 Test pit ———

LEACHING AREA DESIGN ANALYSIS

REQ: 110 g.p.d./bedroom @ 5 bedrooms = 550 g.p.d. min.
 Design percolation rate = 5 Min./inch, class 1 soil.
 Bottom area = 800 s.f. x 0.74 = 592 G.P.D.
 Total leaching area = 800 S.F. > 744 S.F. (min. req.)
 Total leaching capacity = 592 G.P.D. > 550 G.P.D. (min. req.)

ELEVATIONS AND INVERTS

	design	as-built
Top of foundation elevation	203.95	
Finished basement floor elevation	197.15	
Invert at foundation	200.35	
Invert at septic tank inlet	200.13	
Invert at septic tank outlet	199.88	
Invert at distribution box inlet	199.78	
Invert at distribution box outlet	199.61	
Invert at beginning of field	199.51	
Invert at end of field	199.33	
Bottom of leaching field *	198.83	
Water table elevation (adjustment per BOH agent)	193.83	

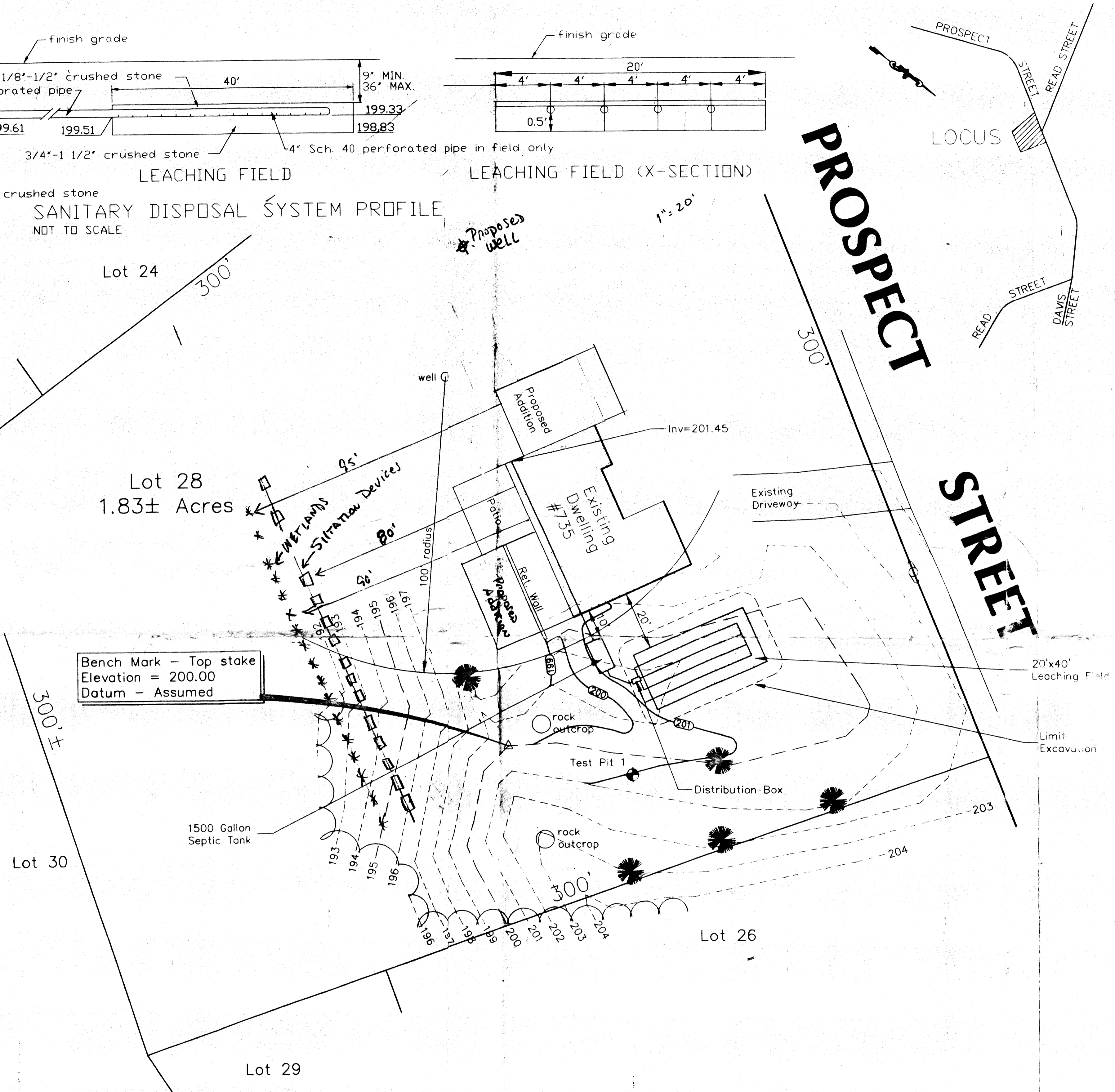
* Bottom of field excavations to be level

SOIL EXAMINATION REPORT

Percolation test conducted by: Drown Environmental Services
 Date of test: June 2, 1999
 Board of Health Witness: Mr. Harold Chenevert, Jr.

Test pit: 1	Test pit: 2	Test pit: 3
Surface elevation: 200.50	Surface elevation: 200.50	Surface elevation: 200.50
1 sand loam 10/18/2/2 199.50		
2 sand loam 10/18/4/8 197.83		
4		
6 C1 loamy sand 10/18/6/3 192.00		
8		
10 C2 sand 10/18/6/1 189.00		
12 bottom		
14		
16		

Perc. test taken at: 56"
 Percolation rate = 2 Mpl
 Water encountered at 100"
 Estimated high water = 193.83



GENERAL NOTES:

ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF PUBLIC HEALTH SANITARY CODE TITLE V AND THE BOARD OF HEALTH OF SEEKONK, MASSACHUSETTS.

WHERE FILL MATERIAL IS REQUIRED TO REPLACE UNSUITABLE OR IMPERMEABLE SOILS, THE EXCAVATION OF THE UNSUITABLE MATERIAL SHALL EXTEND A MINIMUM OF FIVE FEET LATERALLY IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE SOIL ABSORPTION SYSTEM TO THE DEPTH OF NATURALLY OCCURRING PERVIOUS MATERIAL AS REQUIRED BY 310 CMR 15.240 (SOIL ABSORPTION SYSTEMS) AND REPLACED WITH FILL MATERIAL MEETING THE SPECIFICATIONS OF 310 CMR 15.255(3).

FILL MATERIAL FOR SYSTEMS CONSTRUCTED IN FILL SHALL CONSIST OF SELECT ON-SITE OR IMPORTED SOIL MATERIAL, CONSISTING OF CLEAN GRANULAR SAND, FREE FROM ORGANIC MATTER AND OTHER DELETERIOUS SUBSTANCES, MIXTURES AND LAYERS OF DIFFERENT CLASSES OF SOIL SHALL NOT BE USED. IT SHALL BE GRADED SUCH THAT NOT MORE THAN 15% OF THE SAMPLE SHALL BE RETAINED ON THE #4 SIEVE, 10% OR LESS SHALL PASS THE #100 SIEVE AND 5% OR LESS SHALL PASS THE #200 SIEVE. NOT MORE THAN 90% SHALL BE RETAINED ON THE #50 SIEVE. THE UNIFORMITY COEFFICIENT OF THE SOIL RETAINED ON THE #4 SIEVE SHALL BE NO GREATER THAN SIX.

THE STONE USED IN THE SYSTEM SHALL CONSIST OF DOUBLE WASHED CRUSHED STONE OR GRAVEL STONE RANGING FROM 3/4" TO 1 1/2" IN SIZE AND FREE OF IRON FINES AND DUST IN PLACE. THE STONE SHALL BE COVERED WITH AT LEAST A 2" LAYER OF DOUBLE WASHED STONE RANGING FROM 1/2" TO 1 1/2" IN SIZE AND FREE OF IRON FINES AND DUST IN PLACE. ALL STONE MUST HAVE LESS THAN 0.2% MATERIAL FINER THAN A #200 SIEVE AS DETERMINED BY AASHTO TEST METHODS T-11 AND T-27.

THE APPLICANT SHALL BE AWARE OF HIS OR HER OBLIGATION TO COMPLY WITH THE REQUIREMENTS OF THE WETLAND PROTECTION ACT, M.G.L. C. 131, S. 40.

THE SEPTIC TANK SHALL BE CHECKED YEARLY AND PUMPED IF NECESSARY.

THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND AGENCIES PRIOR TO CONSTRUCTION FOR THE LOCATION OF ALL UNDERGROUND UTILITIES (DIG SAFE 1 800 322-4844).

PRIOR TO CONSTRUCTION THE TOP OF THE FOUNDATION ELEVATION SHALL BE VERIFIED BY THE ENGINEERING COMPANY.

INLET AND OUTLET TEES SHALL BE OF CAST IRON, SCHEDULE 40 PVC OR CAST IN PLACE CONCRETE AND SHALL BE EXTENDED A MINIMUM OF 6" ABOVE THE FLOW LINE OF THE SEPTIC TANK AND BE ON THE CENTERLINE OF THE SEPTIC TANK LOCATED DIRECTLY UNDER THE CLEANOUT MANHOLE. THERE SHALL BE AN AIR SPACE OF AT LEAST 3" BETWEEN THE TOPS OF THE TEES AND THE INSIDE OF THE TANK COVER AND THE TOPS OF THE TEES SHALL BE LEFT OPEN TO PROVIDE VENTILATION OR SEPARATE VENTILATION SHALL BE PROVIDED. THE INLET TEE (BAFFLES ARE NOT ACCEPTABLE) SHALL EXTEND A MINIMUM OF 10" BELOW THE FLOW LINE. THE OUTLET SHALL BE PROVIDED WITH A TEE EXTENDING BELOW THE FLOW LINE IN ACCORDANCE WITH THE FOLLOWING TABLE.

WHERE FILL MATERIAL IS REQUIRED TO REPLACE UNSUITABLE OR IMPERMEABLE SOILS, THE EXCAVATION OF THE UNSUITABLE MATERIAL SHALL EXTEND A MINIMUM OF FIVE FEET LATERALLY IN ALL DIRECTIONS BEYOND THE OUTER PERIMETER OF THE SOIL ABSORPTION SYSTEM TO THE DEPTH OF NATURALLY OCCURRING PERVIOUS MATERIAL AS REQUIRED BY 310 CMR 15.240 (SOIL ABSORPTION SYSTEMS) AND REPLACED WITH FILL MATERIAL MEETING THE SPECIFICATIONS OF 310 CMR 15.255(3).

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LIQUID DEPTH IN TANK	DEPTH OF OUTLET TEE BELOW FLOW LINE
4 FEET	14 INCHES
5 FEET	19 INCHES
6 FEET	24 INCHES
7 FEET	29 INCHES
8 FEET	34 INCHES

Applicant
 Vincent Agliata
 73 Pioneer Circle
 Attleboro, MA 02703

Plan of Proposed Sanitary Disposal System Repair
 735 Prospect Street Seekonk, MA
 Prepared for Vincent Agliata

1"=20'
 07-06-99
 09-08-99

S.L. Rolfe & Associates, Inc.
 LAND DEVELOPMENT SERVICES
 102C Pond Street Seekonk, MA 02771
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