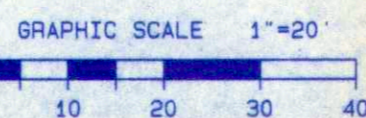


LEGEND

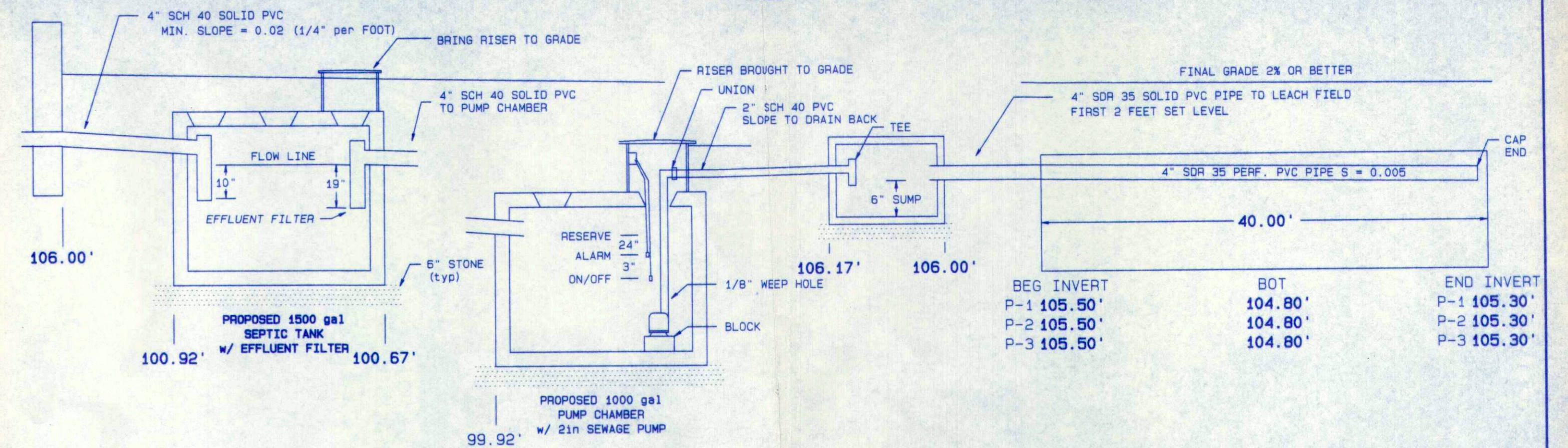
- PROPERTY LINE
- DEEP HOLE TEST
- PERC HOLE TEST
- WELL
- EXISTING CONTOURS
- PROPOSED CONTOURS
- EDGE OF WETLAND
- HAYBALES
- SILT FENCE
- WATER LINE
- WETLAND FLAG
- TREE, SOFTWOOD
- TREE, HARDWOOD

THIS SYSTEM REQUIRES THE FOLLOWING LOCAL UPGRADE APPROVALS TO TITLE 5:

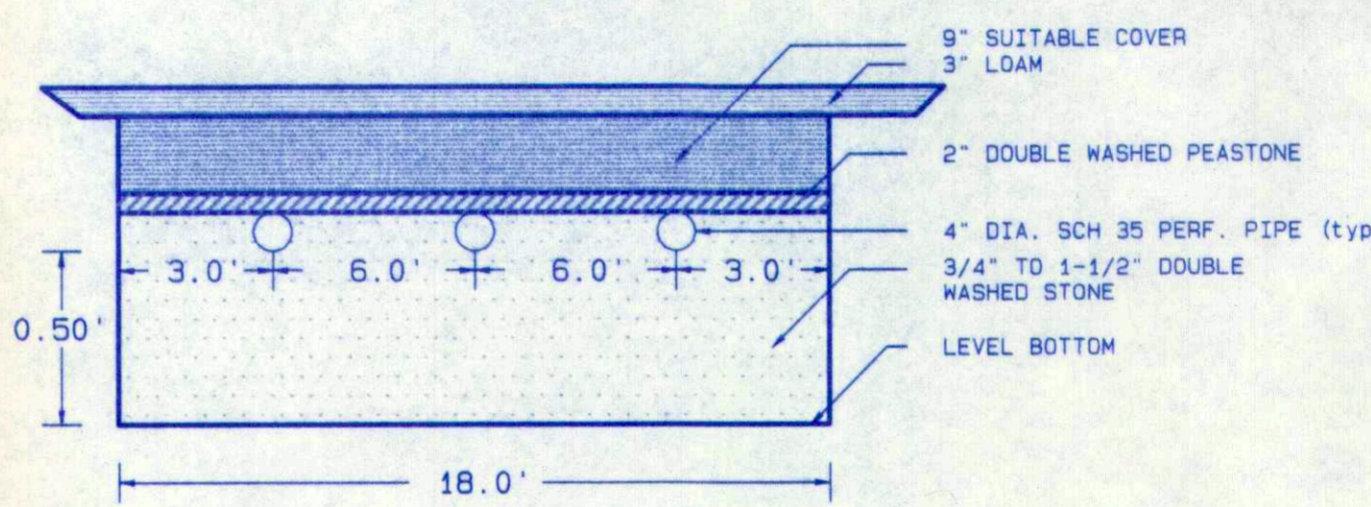
1. VARIANCE TO 310 CMR 15.211 (1) THE PROPOSED SAS DOES NOT MEET THE REQUIRED SETBACK FROM A WELL. 100 FEET REQUIRED, 75 FEET PROVIDED. (n/f OWNER)



SYSTEM PROFILE
nts



LEACH FIELD DETAIL



SCHEDULE OF INVERTS

HSE INV	BEG INVERTS		END INVERTS	
	PROP.	AS-BUILT	PROP.	AS-BUILT
ST TANK	106.00'		100.67'	
PC TANK	99.92'		99.67'	
D-BOX	106.17'		106.00'	
PIPE 1	105.50'		105.30'	
PIPE 2	105.50'		105.30'	
PIPE 3	105.50'		105.30'	
PIPE 4				
PIPE 5				
PIPE 6				
PIPE 7				

DESIGN CALCULATIONS:

DESIGN CRITERIA:
3 BEDROOMS NO GARBAGE DISPOSAL
DESIGN PERC RATE: 10 mpi
LOADING RATE: 0.53 gpd/ft² (PER TITLE 5)

DESIGN FLOW:
(3 BR) (110 gpd/BR) = 330 gpd

SEPTIC TANK:
REQUIRED: 1500 gal PROVIDED: 1500 gal

SOIL ABSORPTION SYSTEM:
REQUIRED:
(330 gpd) / (0.53 gpd/ft²) = 623 ft²
PROVIDED:
(1) BED (s) (40 ft) (18 ft) = 720 ft²

SOIL TESTING RESULTS:

PERCOLATION TEST:
DATE OF TEST 24 JULY 2001
SOIL EVALUATOR: MARK FARRELL WITNESS: BERNIE LORKIEWICZ
PERC RATE #1: 20 mpi PERC RATE #2: N/A mpi

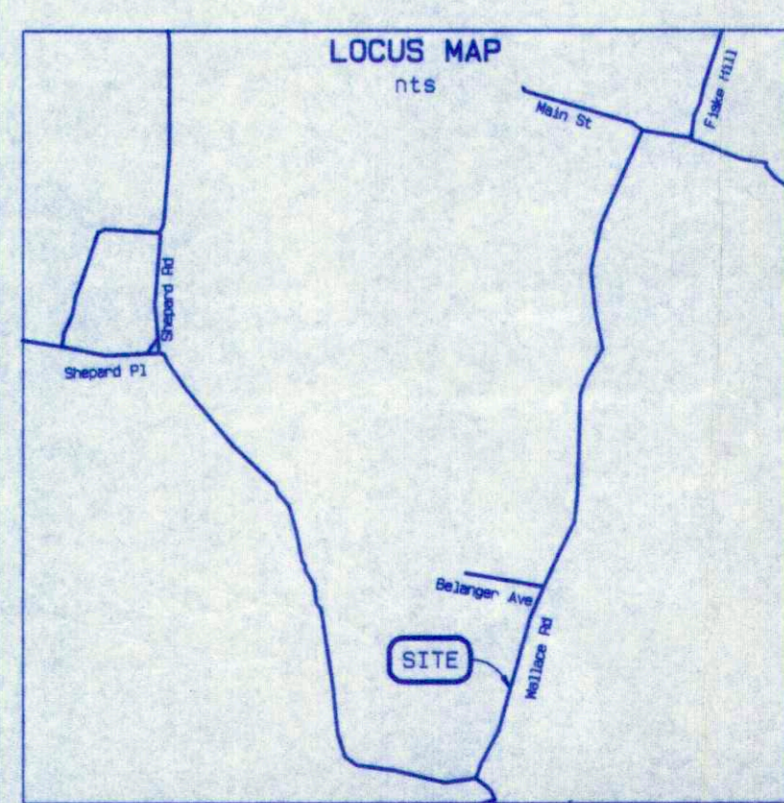
SOIL LOGS:

TP1 ELEVATION: 105.25'		GW ELEVATION: 100.75'		
DEPTH	HRZN	TEX	COLOR	MOTTLES/OTHER
0 - 5 in	A	SL	10YR 3/2	
5 - 30 in	Bw	SL	10YR 6/8	
30 - 84 in	C	LS	2.5Y 6/6	COMMON 10YR 6/8B54in

TP2 ELEVATION: 104.86'		GW ELEVATION: 100.36'		
DEPTH	HRZN	TEX	COLOR	MOTTLES/OTHER
0 - 12 in	FILL			
12 - 16 in	A	SL	10YR 3/2	
16 - 30 in	Bw	LS	10YR 6/8	
30 - 84 in	C	S	2.5Y 6/6	COMMON 10YR 6/8B54in

GENERAL NOTES:

1. ALL CONSTRUCTION PRACTICE AND MATERIALS MUST CONFORM TO THE NEW TITLE 5 (EFFECTIVE DATE MARCH 31, 1995) AND/OR LOCAL REGULATIONS.
2. CONTRACTOR IS RESPONSIBLE FOR VIEWING SITE BEFORE BIDDING JOB TO FAMILIARIZE THEMSELVES WITH ALL ASPECTS OF THE JOB.
3. CONTRACTOR SHALL VERIFY ALL INVERTS AND SETBACKS FROM WELLS, PROPERTY LINES AND WATER BEFORE BEGINNING WORK.
4. IF CONDITIONS IN THE FIELD DIFFER THAN THOSE SHOWN ON THE PLAN, WORK SHALL STOP AND THE DESIGN ENGINEER SHALL BE CONSULTED BEFORE WORK CONTINUES.
5. THE SYSTEM SHALL BE INSPECTED AS REQUIRED BY THE LOCAL BOARD OF HEALTH. CONTACT DESIGN ENGINEER FOR FINAL INSPECTION BEFORE COVERING SYSTEM.
6. THE CONTRACTOR SHALL INSURE ALL NECESSARY PERMITS HAVE BEEN OBTAINED BEFORE INSTALLING THE SYSTEM.
7. PROPERTY LINES ARE GRAPHIC ONLY AND ARE NOT TO BE USED TO ERECT FENCES OR SHEDS. NO PROPERTY SURVEY WAS DONE.
8. THE DESIGN ENGINEERS ONLY WARRANTY IS THE SYSTEM IS DESIGNED ACCORDING TO TITLE V UNLESS OTHERWISE NOTED.



AS-BUILT INFORMATION

SYSTEM CONSTRUCTED BY:

AS-BUILT TIES

POINTS	DIST.
A-C	
B-C	
A-D	
B-D	
A-E	
B-E	
A-F	
B-F	
A-G	
B-G	
A-H	
B-H	
A-P	
B-P	

THIS SYSTEM IS NOT DESIGNED FOR A GARBAGE DISPOSAL INSTALLATION OR USE OF ONE CAN HARM THE SYSTEM



GREEN HILL ENGINEERING

WORKING TO PROTECT OUR WATER RESOURCES
40 FISKE HILL ROAD
STURBRIDGE, MA 01566
508-347-5226

Engineering Review: [Signature] Date: 9/25/02
Board of Health: [Signature] Date: 9/25/02

PROPOSED SEPTIC SYSTEM

RUSSELL GENDREAU
108 WALLACE ROAD
STURBRIDGE MA
14 AUGUST 2002

PROJECT: 2002-120