

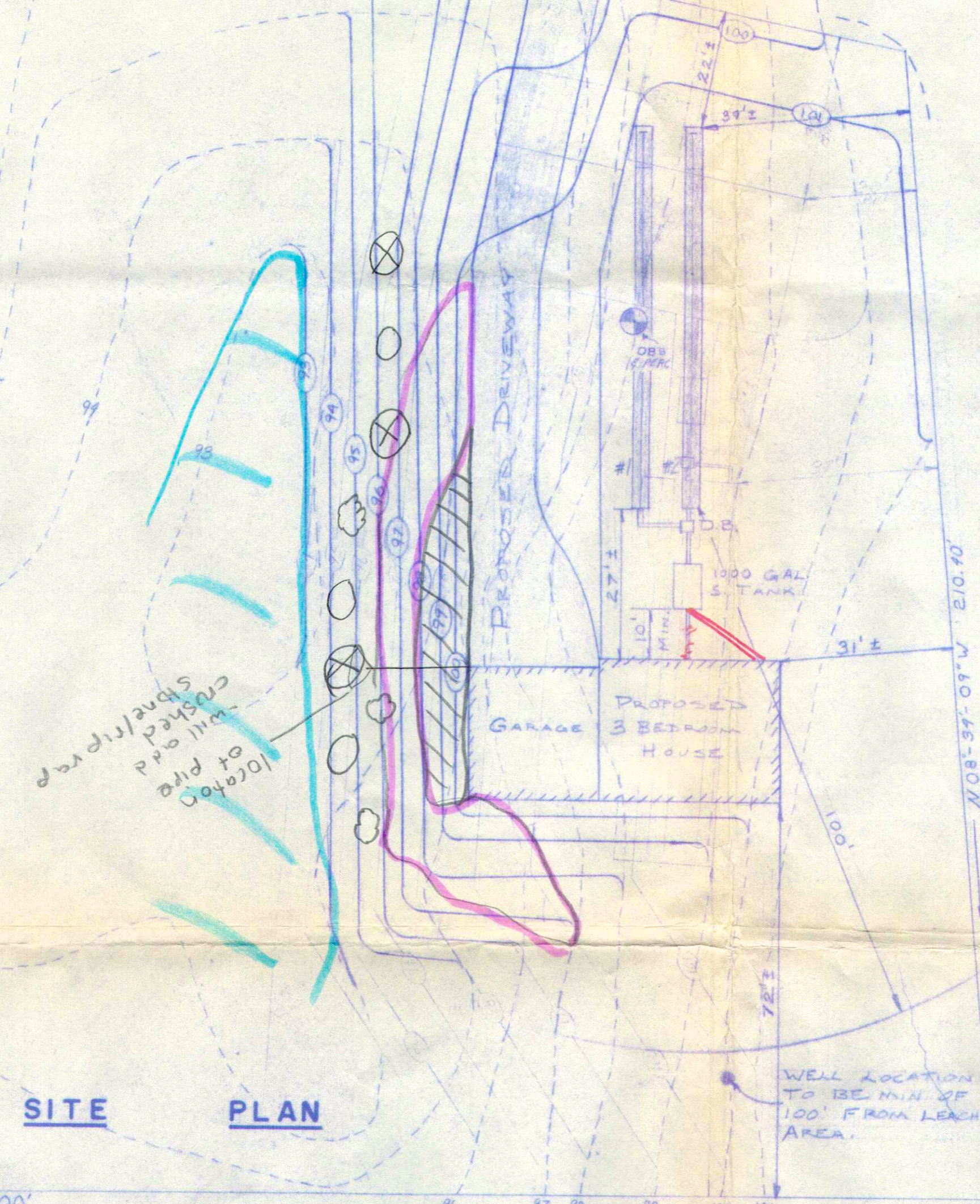


B.M. 18" ASSUMED ELEV. 100'

N 81°-57'-55" W 230.00'

LADD ROAD

LOT 5A  
1.53 ACRES  
- approx. woodland areas  
- shrubbery growth  
- slope area with herbaceous growth  
- stone parking area (existing)  
- native shrubs only  
- Shrub (proposed)  
- Maple Saplings (proposed)  
- Maple Saplings (existing)



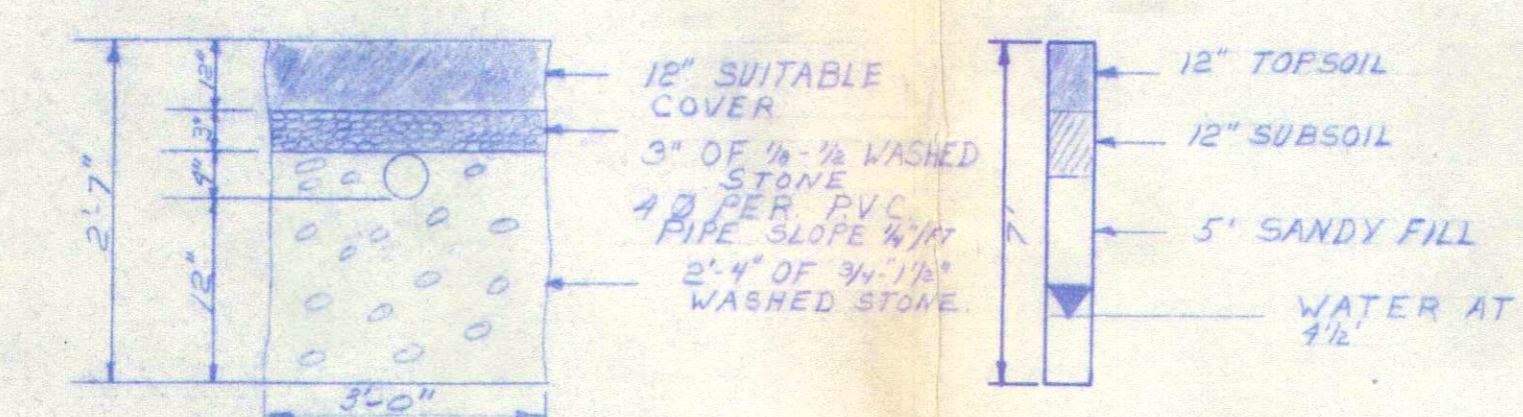
SITE PLAN

N 86°-38'-19" E 340.00'

**NOTE:**

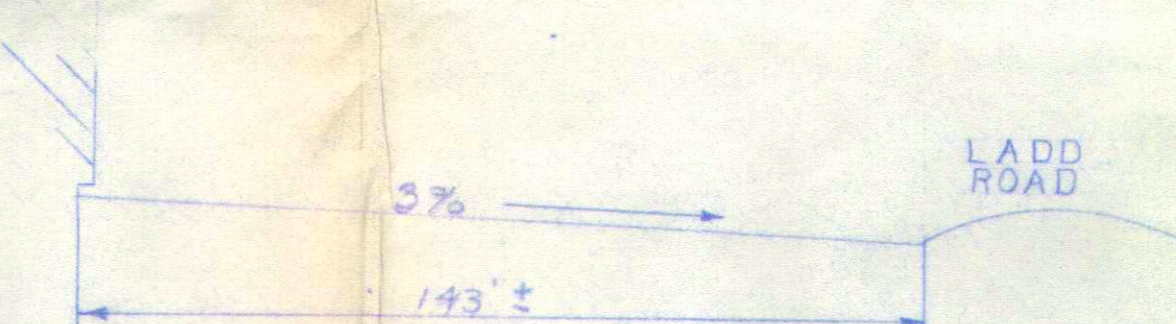
EXISTING CONTOURS  
PROPOSED CONTOURS

ALL WORK TO BE CONCEALED MUST FIRST BE APPROVED BY HEALTH AGENT BEFORE SYSTEM MAY BE COVERED. SEPTIC TANK AND DIFFUSOR CHAMBERS MUST BE SET LEVEL. PIPE FROM HOUSE TO SEPTIC TANK AND SEPTIC TANK MUST BE WATER-TIGHT. COVER ON LEACHFIELD TO BE CROWNED TO PREVENT SURFACE WATER FROM SETTING ON FIELD. GRAVEL TO BE CLEAN AND STONES TO BE 3" MAX. IN SIZE. ALL WASHED STONE SHALL BE FREE OF IRON, CLAY AND FINES, AND MUST BE SATISFACTORY TO THE BOARD OF HEALTH.

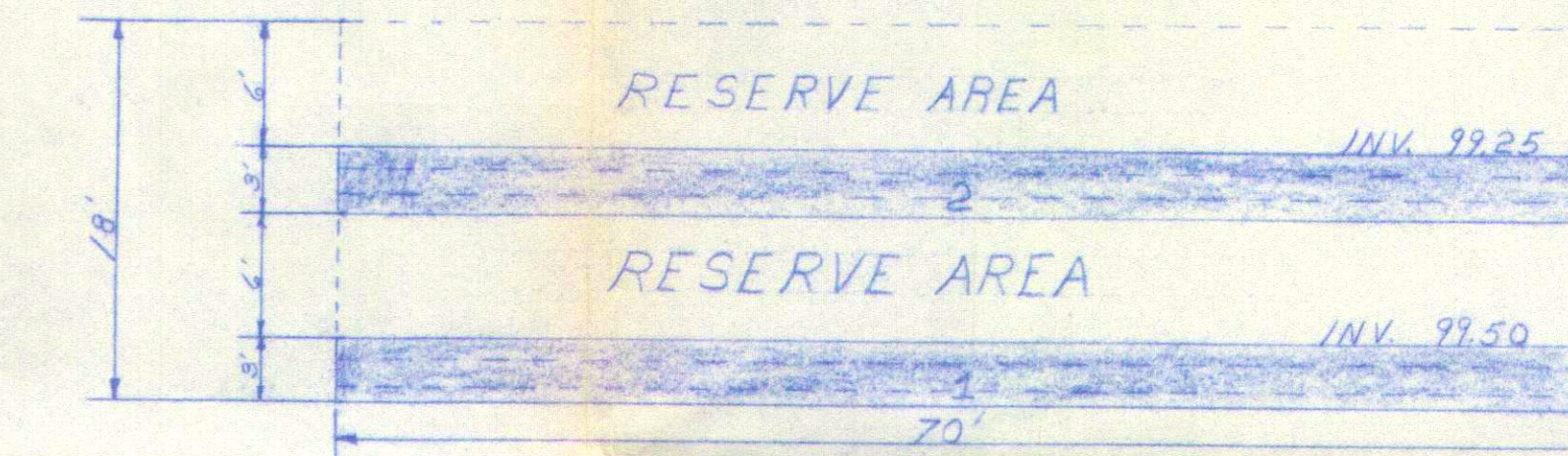


TRENCH DETAIL  
NO SCALE

OBSERVATION  
PIT  
SOIL LOG



DRIVEWAY PROFILE  
NO SCALE



4" PVC PERFORATED PIPE SLOPE - 0.005 TO BE USED WITHIN TRENCHES.  
CAP ALL ENDS OF PIPES.  
4" PVC PIPE SLOPE MIN 1/4" PER FOOT TO BE USED OUTSIDE OF TRENCHES.  
24" OF ALL PIPES OUT OF DIST. BOX TO BE SET LEVEL.

**DETAIL OF LEACHFIELD**

SCHEDULE OF ELEV.

TOP OF FND	102.00'
INV. AT FND	100.50'
INV. IN S.T.	100.25'
INV. OUT S.T.	100.00'
INV. IN D.B.	99.87'
INV. OUT D.B.	99.70'
INV. IN TRENCH 1	99.50'
INV. IN TRENCH 2	99.25'

**DESIGN**

DESIGN FLOW - 3 BEDROOMS;  
3 X 110 = 330 G.P.D.  
GARBAGE DISPOSAL NOT TO BE USED.  
SEPTIC TANK CAP. 1,000 GALLONS.  
LEACHFIELD - 2 X 3 X 70 = 420 SQ. FT.

**PERCOLATION TEST**

TEST TAKEN AS PER TITLE V.  
DATE OF TEST: 10-30-85  
TEST TAKEN 48" BELOW EXISTING GRADE.  
RESULTS: 6 MIN./IN. DESIGNED AT 4 MIN./INCH

**LEACHFIELD CALCULATIONS**

CAPACITY OF LEACHFIELD - 1525 GALLONS  
BOTTOM AREA LEACHING CAPACITY  
70 X 2 X 70 = 298 GALLONS  
SIDE WALLS LEACHING CAPACITY  
2 X 2 X 1 X 70 X 166 = 464 GALLONS  
SAFETY FACTOR OF CAPACITY 4.77 : 1  
SAFETY FACTOR OF LEACHING 2.30 : 1

DATE	BY	REV	DATE	DESCRIPTION	MADE	CHK'D	AP'VD	REV	DATE	DESCRIPTION	MADE	CHK'D	AP'VD
DESIGNED	SB	1						7					
CHECKED	DP	2						8					
SUPERVISOR	SMB	3						9					
REVIEWED		4						10					
REVIEWED		5						11					
APPROVED	LSJ	6						12					

**NOTE**  
1. SEPTIC TANK SHOULD BE PUMPED EVERY 5 YEARS. RECOMMENDED TANK BE PUMPED EVERY 2 YEARS.  
2. SEPTIC TANK TO BE PRECAST CONCRETE AS PER MASS. STATE SANITARY CODE TITLE V.

**SA** STURBRIDGE ABSTRACT CO.  
JALBERT ENGINEERING  
TEL. 1-617-347-3473  
STURBRIDGE, MASSACHUSETTS

MARTIN KEELY  
2 LADD ROAD  
STURBRIDGE, MASS.  
SANITARY SEWAGE DISPOSAL SYSTEM - NEW  
SCALE: 1"=20'

DWG. NUMBER	35850
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