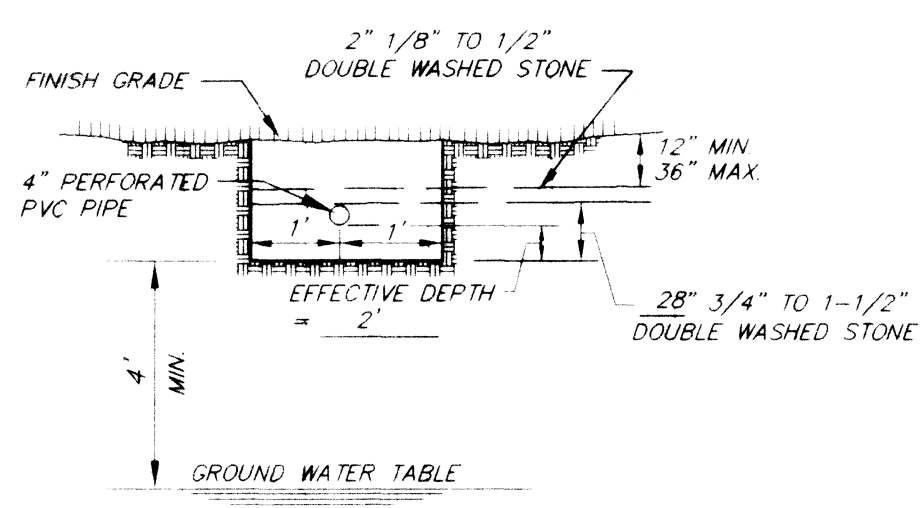


**1500 GALLON SEPTIC TANK**  
 FOR PROPER PERFORMANCE, SEPTIC TANK SHOULD BE INSPECTED ANNUALLY. WHEN THE TOTAL DEPTH OF SCUM AND SOLIDS EXCEEDS 1/3 THE LIQUID DEPTH OF THE TANK, THE TANK SHOULD BE PUMPED.

**DISTRIBUTION BOX**

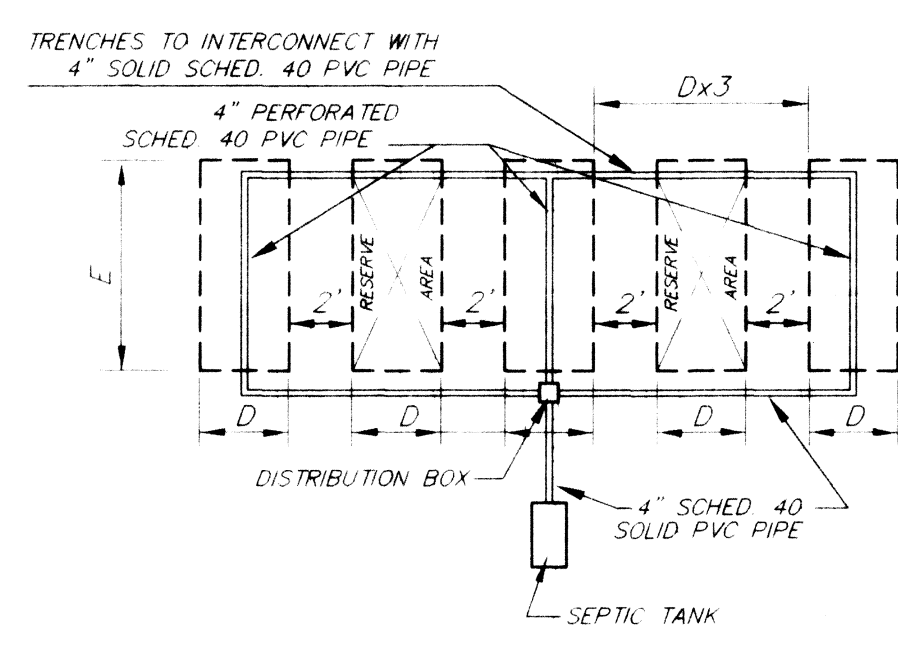
**LEACHING TRENCH**

**PROFILE**



**LEACHING TRENCH - X - SECTION**

NOT TO SCALE

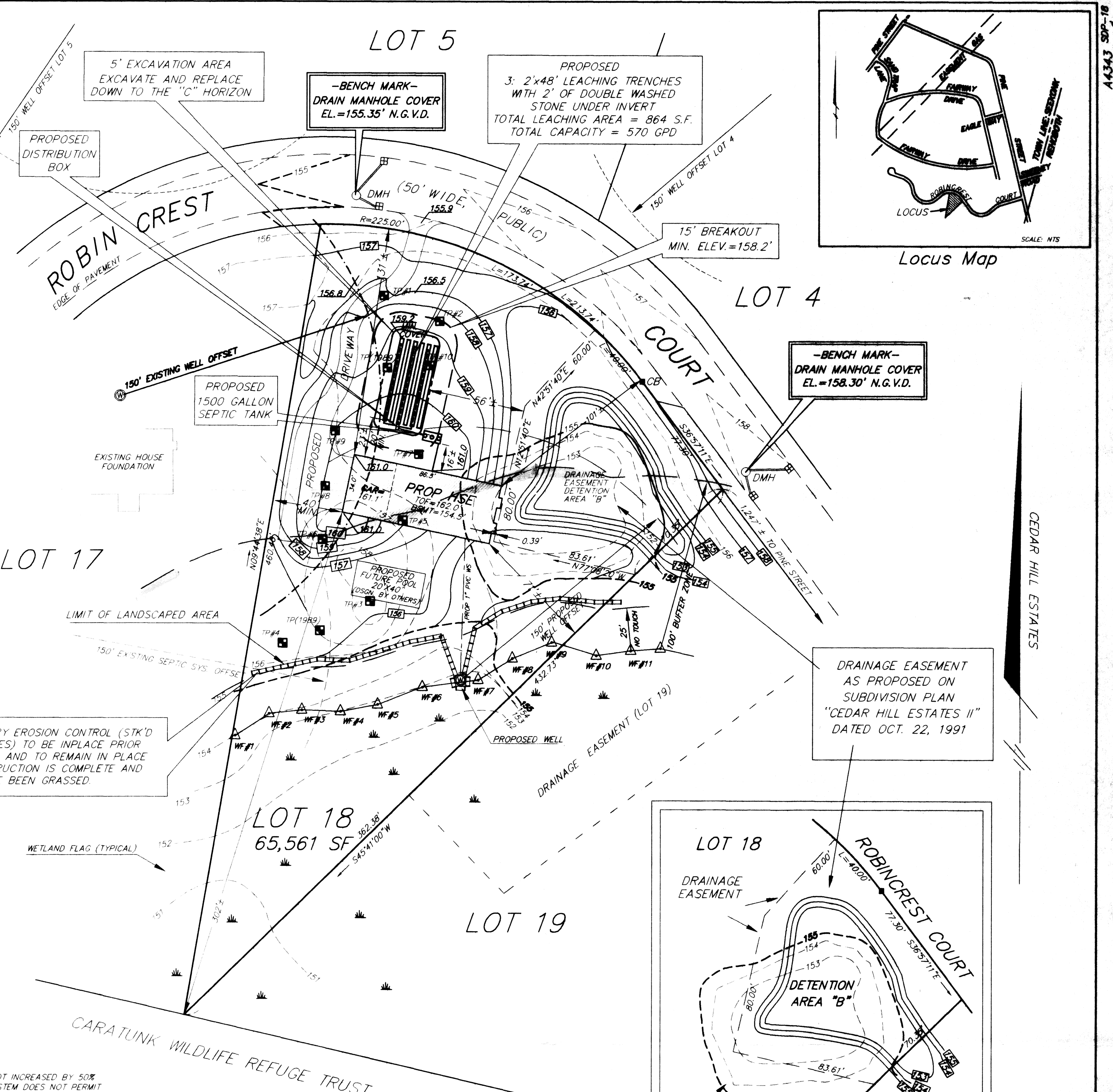


**PLAN - LEACHING TRENCH**

NOT TO SCALE

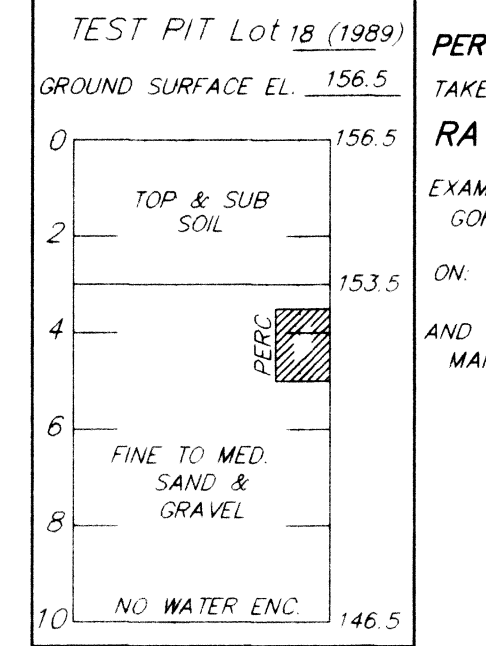
NO. OF REQUIRED LEACHING LINES: 3  
 REQUIRED DIMENSIONS OF LEACHING TRENCH:  
 D x E  
 EFFECTIVE DEPTH = 2 FT

310 CMR 15.255 (5) WHERE FILL 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 AND DOWN 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) TO THE TOP OF THE DISTRIBUTION PIPES.



NOTE: TEMPORARY EROSION CONTROL (STK'D IN PLACE HAYBALES) TO BE IN PLACE PRIOR TO CONSTRUCTION AND TO REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETE AND NEW SLOPES HAVE BEEN GRASSED.

**1989 SOIL EXAM REPORT**



PERC. TEST:  
 TAKEN AT 42-60 INCHES  
 RATE = 4 MIN/INCH  
 EXAMINATION TAKEN BY: GORDON W. WOLFE  
 ON: 8/22/89  
 AND WITNESSED BY: MANUEL MELLO, B.O.H.

**DESIGN ANALYSIS**

REQUIRED: 5 BEDROOMS AT 110 GPD/BR = 550 GPD TOTAL EFFLUENT

LEACHING AREA DESIGN:  
 DESIGN PERC. RATE 8" MIN/INCH CLASS. 1 SOIL  
 TOTAL AREA = 888 SF x 0.66 GPD/SF = 586 GPD  
 (\*DESIGN PERC. RATE & LOADING FACTOR ADJUSTED FOR INCREASED SAFETY FACTOR AS DISCUSSED WITH B.O.H. AGENT ON SITE.)

SEPTIC TANK DESIGN:  
 DESIGN VOLUME = 2 x 550 GPD = 1100 GALLONS  
 REQUIRED: 1 COMPARTMENT 1500 GALLON TANK

NOTE: SEE SOIL LOGS FOR PROFILES OF REMAINING 4 TEST PITS NOT SHOWN DUE TO DISTANCE (>50') FROM PROPOSED SITE FOR SYSTEM.

**ELEVATION SCHEDULE**

ELEVATION	DESIGN ELEVATION
TOP OF FOUNDATION	162.0
FINISHED BASEMENT FLOOR	154.5
FINISHED GARAGE FLOOR	161.1
SEWER INVERT AT FOUNDATION	159.00
SEWER INVERT INTO SEPTIC TANK	158.45
SEWER INVERT OUT OF SEPTIC TANK	158.20
SEWER INVERT INTO DISTRIBUTION BOX	158.00
SEWER INVERT OUT OF DISTRIBUTION BOX	157.83
SEWER INVERT AT START OF LEACHING TRENCH(ES)	157.73
SEWER INVERT AT END OF LEACHING TRENCH(ES)	157.50
BASE ELEVATION OF LEACHING TRENCHES (STONE)	155.50
ELEVATION OF GROUND WATER TABLE (TAKEN FROM TEST PIT NUMBER 10)	151.5

**SOIL EXAMINATION REPORT**

EXAMINATIONS TAKEN BY Carol A. Lydon, E.I.T., (Cert. Soil Evaluator) AND WITNESSED BY Harold E. Chenevert, Jr. BOARD OF HEALTH AGENT ON 7/11/00

TEST PIT #	DEEP OBSERVATION HOLE LOG	TEST PIT #	DEEP OBSERVATION HOLE LOG
1	GROUND SURFACE ELEVATION: 155.8 PERC. TEST: TAKEN AT 47-63 RATE = ABANDONED OBSERVED DEPTH TO GROUND WATER: 120" DESIGN DEPTH TO GROUND WATER: 120" EL=145.8	8	GROUND SURFACE ELEVATION: 157.1 OBSERVED DEPTH TO GROUND WATER: N/A DESIGN DEPTH TO GROUND WATER: > 60"
2	GROUND SURFACE ELEVATION: 155.8 PERC. TEST: TAKEN AT 49-66 RATE = ABANDONED OBSERVED DEPTH TO GROUND WATER: 92" DESIGN DEPTH TO GROUND WATER: 92" EL=148.1	9	GROUND SURFACE ELEVATION: 156.0 OBSERVED DEPTH TO GROUND WATER: N/A DESIGN DEPTH TO GROUND WATER: > 60"
7	GROUND SURFACE ELEVATION: 155.0 OBSERVED DEPTH TO GROUND WATER: N/A DESIGN DEPTH TO GROUND WATER: > 48"	10	GROUND SURFACE ELEVATION: 155.2 PERC. TEST: TAKEN AT 70-88" RATE = 4 MIN/INCH OBSERVED DEPTH TO GROUND WATER: N/A DESIGN DEPTH TO GROUND WATER: 45" EL=151.5

- NOTES:
- LEACHING AREA REQUIREMENT IS NOT INCREASED BY 50% THEREFORE THE DESIGN OF THIS SYSTEM DOES NOT PERMIT THE USE OF GARbage DISPOSAL UNITS.
  - NO PERMANENT STRUCTURES SHALL BE CONSTRUCTED OVER THE RESERVE AREA.
  - NO SEPTIC SYSTEMS ARE LOCATED WITHIN 150' OF A WELL.
  - PROPERTY LINE AND TOPOGRAPHIC INFORMATION TAKEN FROM SUBDIVISION PLAN, "CEDAR HILL ESTATES".

I CERTIFY THAT THE SEWAGE DISPOSAL FACILITY SHOWN HEREON HAS BEEN DESIGNED IN ACCORDANCE WITH THE REGULATIONS OF THE LOCAL BOARD OF HEALTH AND TITLE 5 OF THE STATE ENVIRONMENTAL CODE.

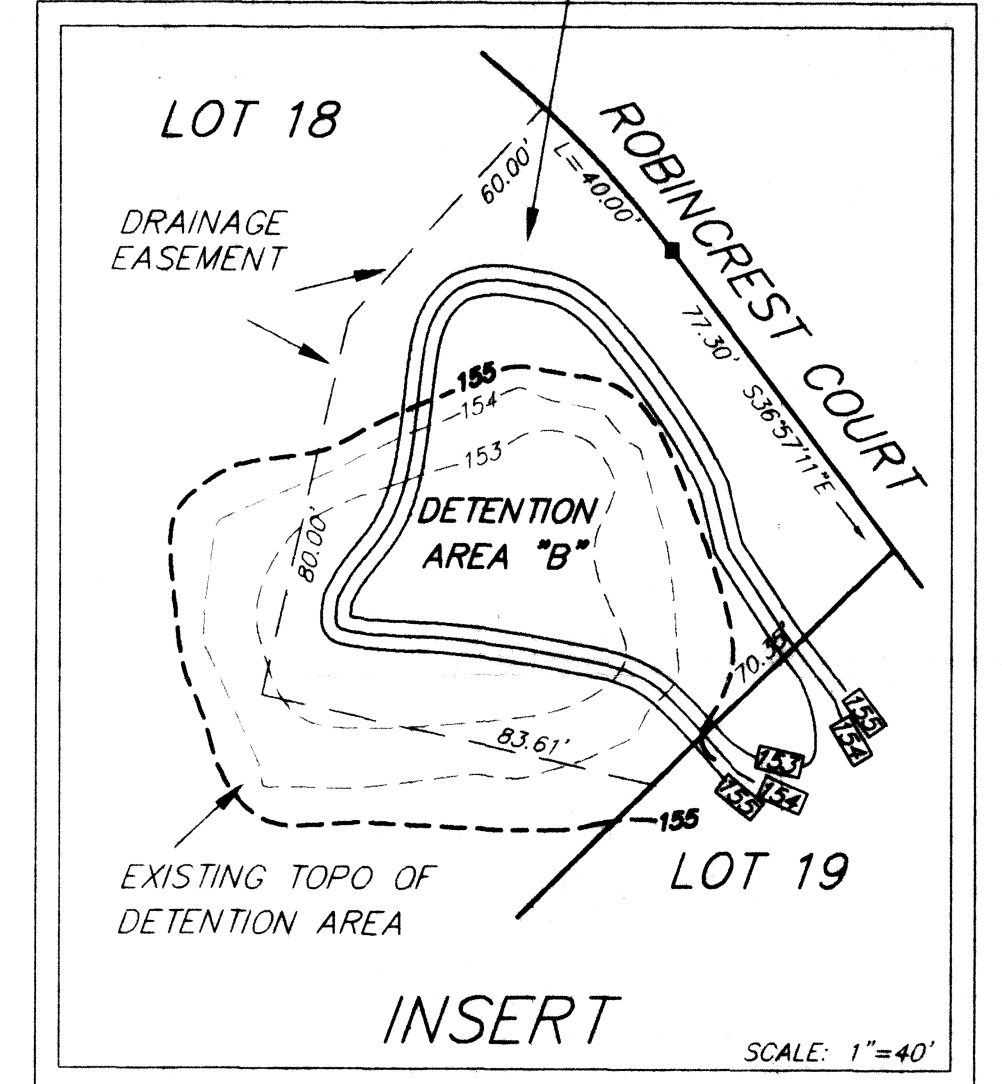
3-19-01  
 DATE: *Blia 27*  
 PROFESSIONAL ENGINEER

NOTICE TO INSTALLING CONTRACTOR:  
 1 - THIS SANITARY DISPOSAL FACILITY SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF TITLE 5 THE STATE SANITARY CODE AND NO VARIATIONS FROM THIS PLAN SHALL BE ALLOWED WITHOUT PRIOR APPROVAL OF THIS OFFICE.  
 2 - SOIL CONDITIONS CAN VARY - WATER TABLE ELEVATION AND THE LIMITS OF ACCEPTABLE SOIL MUST BE VERIFIED PRIOR TO INSTALLATION OF THE ABSORPTION SYSTEM.  
 3 - THE LOCATION OF UNDERGROUND UTILITIES HAVE BEEN TAKEN FROM THE BEST AVAILABLE INFORMATION, HOWEVER IT IS NOT WARRANTED THAT THE LOCATIONS ARE CORRECT, NOR THAT ALL UTILITIES ARE SHOWN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY DIG SAFE FOR THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION.  
 4 - AN AS-BUILT SURVEY OF THE SYSTEM IS REQUIRED. THIS OFFICE SHALL BE NOTIFIED PRIOR TO BACKFILLING THE SYSTEM COMPONENTS FOR OUR INSPECTION AND FIELD LOCATION.  
 5 - ALL BENCH MARKS SHOWN ON THIS PLAN ARE TO BE CHECKED FOR CONSISTENCY BY THE CONTRACTOR. ANY DISCREPANCIES MUST BE RESOLVED BY THIS OFFICE PRIOR TO CONSTRUCTION.  
 6 - MINIMUM 2% SLOPE MUST BE MAINTAINED OVER LEACHING AREA IN FINAL GRADING.  
 7 - ALL JOINTS AS SHOWN ON THIS PLAN SHALL BE WATER TIGHT AS REQUIRED BY TITLE V - 15.227.(3)

**PLAN**  
 SCALE: 1" = 40'

REMARKS:  
 LOT HAS NOT BEEN STAKED  
 TYPE OF BUILDING: SINGLE RESIDENCE  
 ASSESSOR'S PLAN NO. 26 LOT: 93  
 ZONING CLASSIFICATION: R-4  
 MIN. SETBACKS: F. 50' S. 40' R. 80'

LEGEND:  
 EXISTING CONTOURS: --- 100 ---  
 PROPOSED CONTOURS: [Symbol] 1000  
 EXISTING ELEVATION: [Symbol] 100.00  
 PROPOSED ELEVATION: [Symbol] 100.00  
 FINISHED SURFACE GRADE FLOW: [Symbol]  
 TEST PIT LOCATION AND NUMBER: [Symbol] TP2

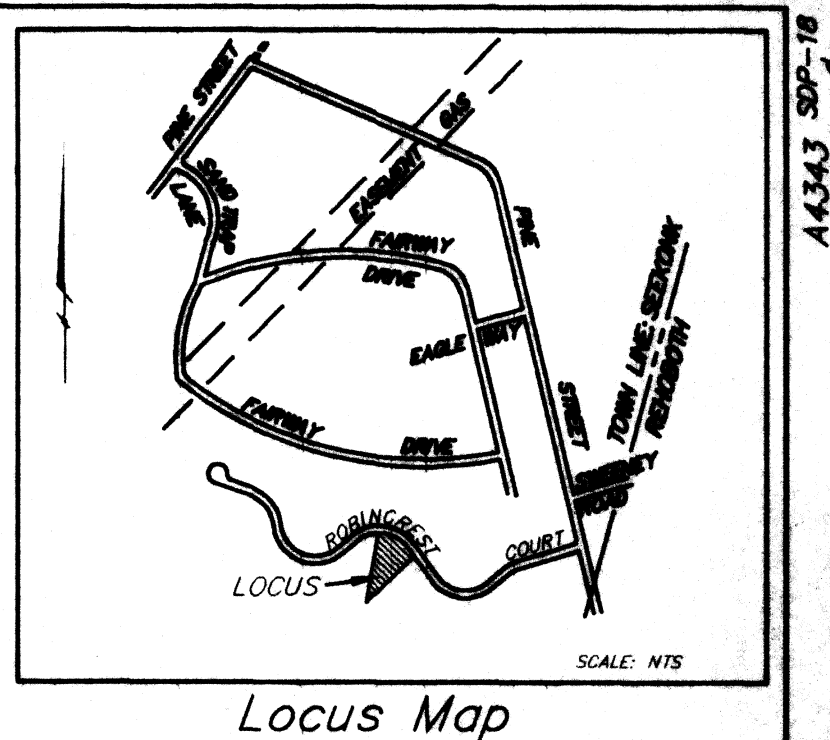


**MATHEW & NICOLE STECKLER**  
 20 DRYDEN AVE. PAWTUCKET, RI

**ON-SITE SANITARY DISPOSAL SYSTEM PLAN**  
**LOT 18 ROBINCREST COURT**  
 SEEKONK, MASSACHUSETTS

**FREEMAN ENGINEERING CO.**  
 A DIVISION OF  
**HAYWARD-BOYNTON & WILLIAMS, INC.**  
 LAND SURVEYORS CIVIL ENGINEERS  
 178 NORTH MAIN ST. ATTLEBORO, MASS.  
 Tel. (508)822-9870 Fax. (508)880-8891

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