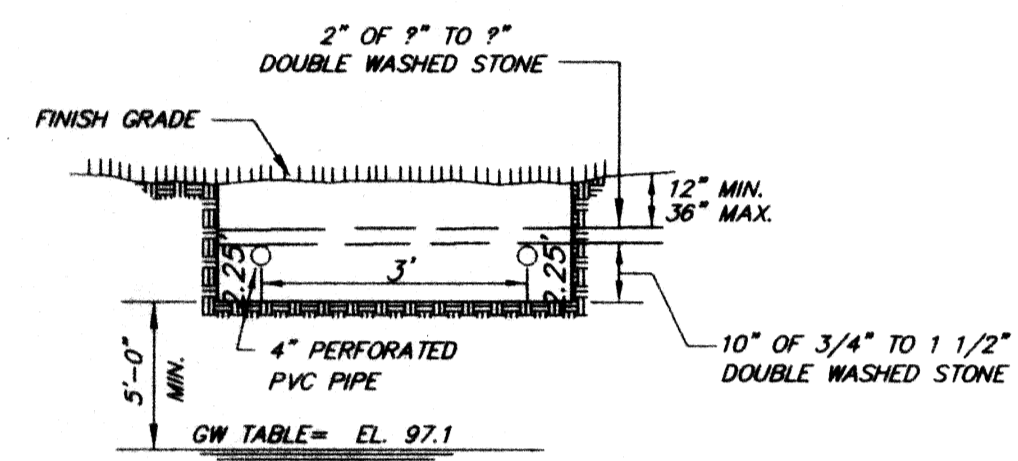


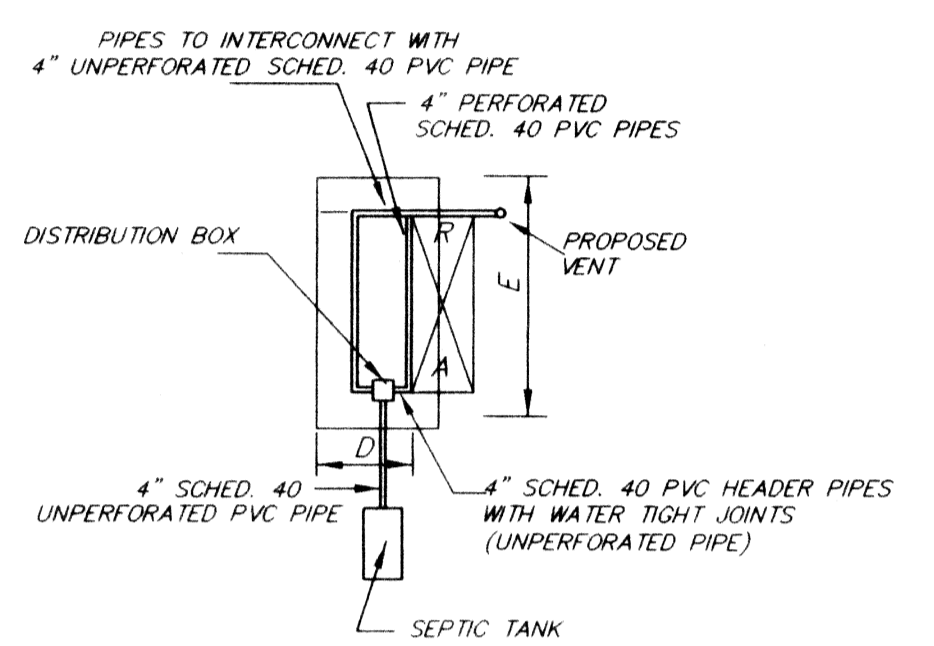
**1500 GALLON SEPTIC TANK**  
 FOR PROPER PERFORMANCE, SEPTIC TANK SHOULD BE INSPECTED ANNUALLY. WHEN THE TOTAL DEPTH OF SOLID AND SOLIDS EXCEEDS 1/3 THE LIQUID DEPTH OF THE TANK, THE TANK SHOULD BE PUMPED.

**DISTRIBUTION BOX PROFILE**

**LEACHING FIELD PROFILE**  
 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.



**LEACHING FIELD - X - SECTION**

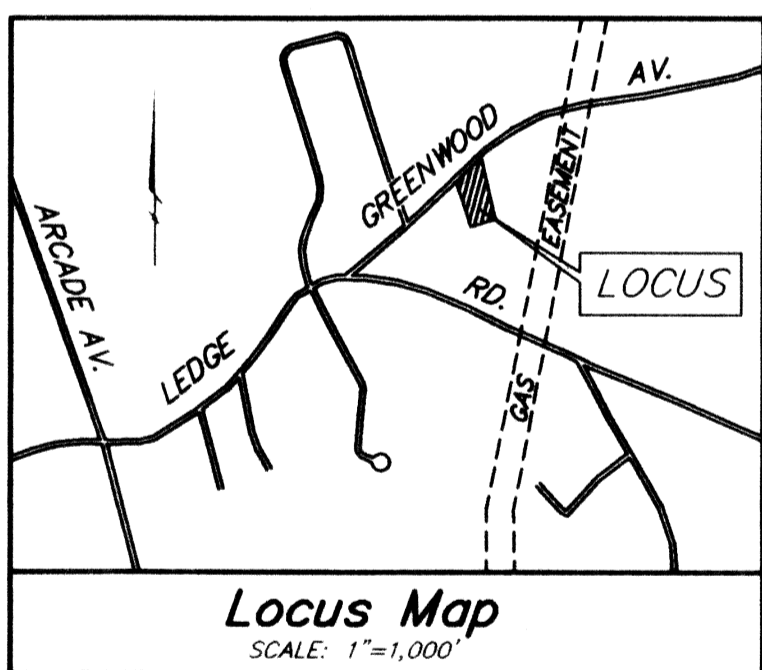


**PLAN - LEACHING FIELD**

- NOTES:**
- 1.) LEACHING AREA REQUIREMENT IS NOT INCREASED BY SOX THEREFORE, THE DESIGN OF THIS SYSTEM DOES NOT PERMIT THE USE OF GARBAGE DISPOSAL UNITS.
  - 2.) NO PERMANENT STRUCTURES SHALL BE CONSTRUCTED OVER THE RESERVE AREA.
  - 3.) WETLANDS WERE DELINEATED BY WALTER HEWITSON, PH.D. ON JULY 19, 2002 AND APPROVED BY THE SEEKONK CONSERVATION COMMISSION ON JULY 3, 2003.
  - 4.) TOPOGRAPHY TAKEN BY TOTAL STATION / DATA COLLECTION METHOD.

ELEVATION SCHEDULE	DESIGN ELEVATION
TOP OF SLAB	104.00
FINISHED BASEMENT FLOOR	N/A
SEWER INVERT AT SLAB	104.20
SEWER INVERT INTO SEPTIC TANK	103.44
SEWER INVERT OUT OF SEPTIC TANK	103.19
SEWER INVERT INTO DISTRIBUTION BOX	103.17
SEWER INVERT OUT OF DISTRIBUTION BOX	103.00
SEWER INVERT AT START OF LEACHING FIELD	102.90
SEWER INVERT AT END OF LEACHING FIELD	102.60
BASE ELEVATION OF LEACHING FIELD	102.10
ELEVATION OF GROUND WATER TABLE (TAKEN FROM TEST PIT NUMBER C)	97.1

DESIGN ANALYSIS	
REQUIRED :	3 BEDROOMS AT 110 GPD/BR 330 GPD TOTAL EFFLUENT
LEACHING AREA DESIGN :	DESIGN PERC. RATE 2 MIN./INCH CLASS 1 SOIL TOTAL AREA = 450 SF X 0.74 GPD/SF = 333 GPD
SEPTIC TANK DESIGN :	DESIGN VOLUME = 2 X 330 GPD = 660 GALLONS REQUIRED : 1 COMPARTMENT 1500 GALLON TANK

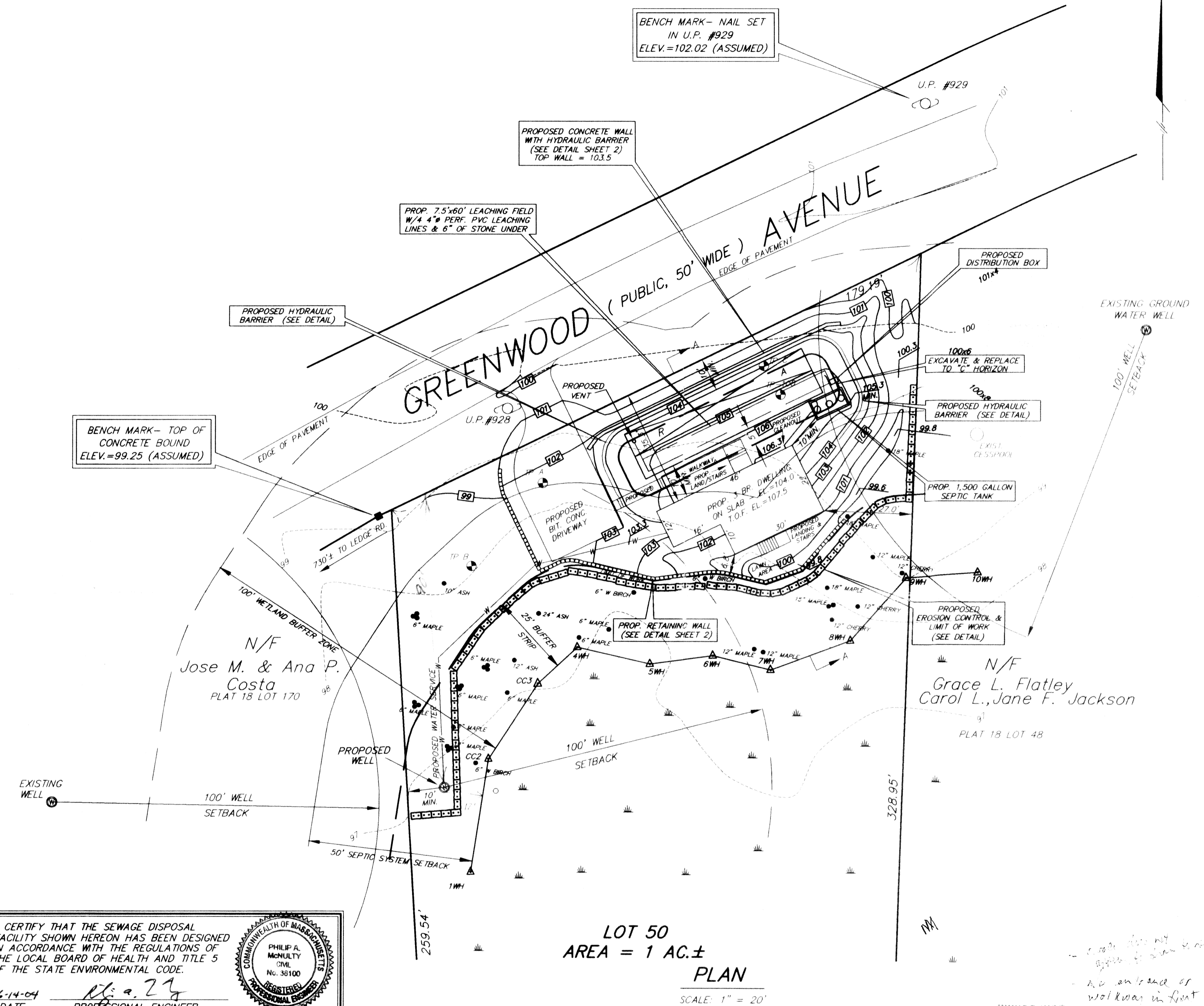


SOIL EXAMINATION REPORT													
EXAMINATIONS TAKEN BY Philip A. McNulty, P.E. AND WITNESSED BY J.R. Chenevert, BOARD OF HEALTH AGENT ON 12/31/02 & 10/2/03													
TEST PIT #	DEEP OBSERVATION HOLE LOG					TEST PIT #	DEEP OBSERVATION HOLE LOG						
	DEPTH FROM SURFACE (INCHES)	SOIL HORIZON	SOIL TEXTURE (USDA)	SOIL COLOR (MUNSELL)	SOIL MOTTLING (STRUCTURE, STONE CONSISTENCY)	OTHER		DEPTH FROM SURFACE (INCHES)	SOIL HORIZON	SOIL TEXTURE (USDA)	SOIL COLOR (MUNSELL)	SOIL MOTTLING (STRUCTURE, STONE CONSISTENCY)	OTHER
C	0-3	Oe	Hemic	2.5YR2.5/4	Organic								
	3-11	A	Fine Sandy Lm	10YR3/3	V-Friable Roots								
	11-18	Bw	Fine Sandy Lm	10YR5/8	Friable								
	18-114	C	Loamy Sand	2.5Y5/3	c/2/d Firm								
				10YR5/8	To 36"								
	OBSERVED DEPTH TO GROUND WATER : 44"												
	DESIGN DEPTH TO GROUND WATER : 97.1												
100	0-10	A	Fine Sandy Lm	10YR2/2	V-Friable, Org								
	10-28	Bw	Fine Sandy Lm	10YR5/6	Friable								
	28-45	C1	Loamy Sand	2.5YR6/3	Firm								
	45-110	C2	Fin-Med Sand	2.5Y5/2	c/2/d Loose, Granular								
				10YR5/8	To 36"								
	OBSERVED DEPTH TO GROUND WATER : 76"												
	DESIGN DEPTH TO GROUND WATER : 96.7												

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.

6-14-04  
 DATE  
 P.E. 9.27  
 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 SOIL 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. WORK 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 CONSTRUCTION.
  - 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).
  - 8 - MINIMUM DISTANCE OF 15' MUST BE MAINTAINED BETWEEN THE PROPOSED WATER SERVICE AND THE ON SITE SANITARY SYSTEM.



**LOT 50**  
**AREA = 1 AC.±**  
**PLAN**  
 SCALE: 1" = 20'

REMARKS	
LOT HAS NOT BEEN STAKED	
TYPE OF BUILDING: SINGLE FAMILY DWELLING	
ASSESSOR'S INFORMATION:	
PLAT: 18 LOT 50	
ZONING CLASSIFICATION: R2	
MIN. SETBACKS: F 35' S 25' R 50'	
LEGEND	
EXISTING TREE TYPE AND SIZE	● 6" MAPLE
EXISTING CONTOURS	--- 100 ---
PROPOSED CONTOURS	--- 100 ---
EXISTING ELEVATION	100.00
PROPOSED ELEVATION	100.00
FINISHED SURFACE GRADE FLOW	→
TEST PIT LOCATION AND NUMBER	● TP C
WETLAND FLAG LOCATION & NUMBER	△ BW4
WETLAND AREA	■

**MONARCH BUILDERS**  
 462 WINTHROP ST., REHOBOTH, MA 02769

**ON-SITE SANITARY DISPOSAL SYSTEM**  
**LOT 50**  
**GREENWOOD AVE., SEEKONK, MA 02771**

**SHEET 1 OF 2**

HAYWARD-BOYNTON & WILLIAMS, INC.  
 LAND SURVEYORS CIVIL ENGINEERS  
 178 NORTH MAIN ST., ATTLEBORO, MA  
 TEL: (508) 226-1302 FAX: (508) 222-8892

DESIGNED BY: SDR  
 DRAWN BY: SDR  
 CHECKED BY: PAM/BJM  
 APPROVED BY: PAM/BJM

DATE: DECEMBER 31, 2003  
 (REV. THRU 6/8/04)

A537391