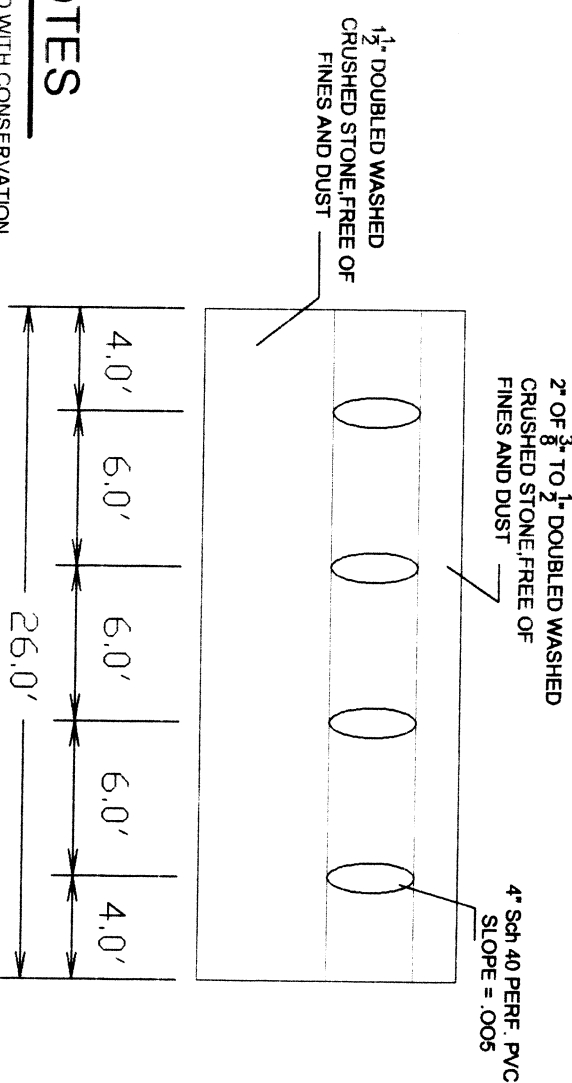
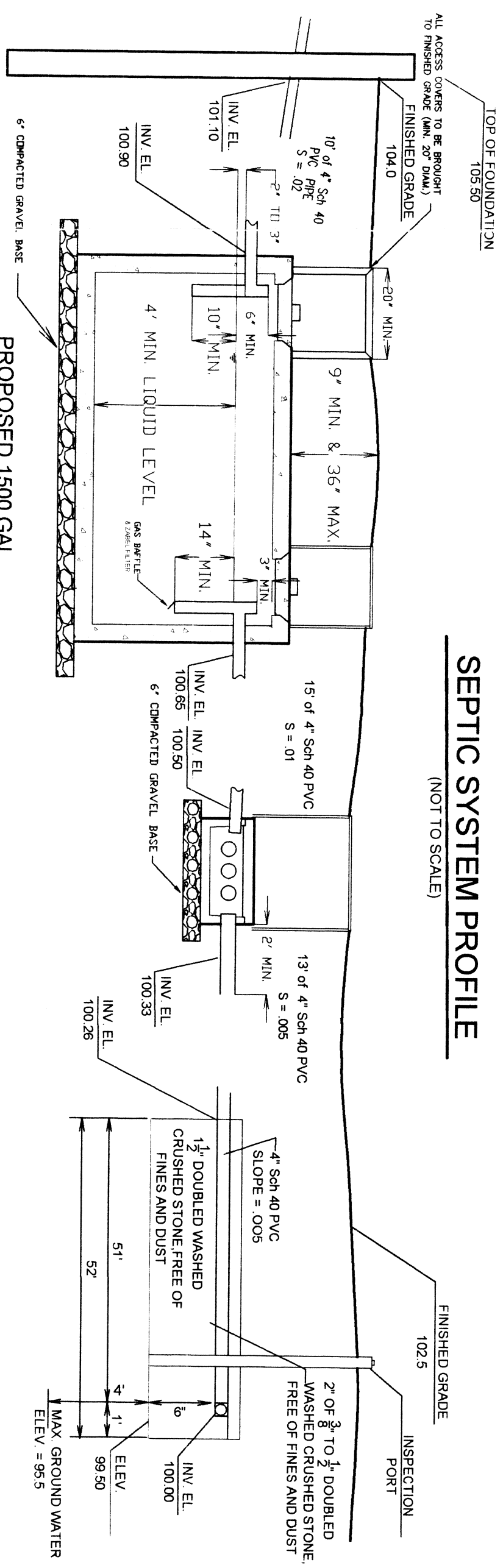


### LOCUS MAP WETLAND NOTES

1. WETLAND LINE DETERMINED BY ANNO AD FILED WITH CONSERVATION COMMISSION. FILE #SE89-0910
2. NO WORK TO BE DONE WITHIN 50' OF RESOURCE AREA
3. TOTAL AREA OF BUFFER ZONE DISTURBANCE 4,885 S.F.
4. POST AND RAIL FENCE TO BE INSTALLED INSIDE HAYBALE LINE. FENCE TO BE MAINTAINED IN PERPETUITY IN GOOD CONDITION BY OWNER.
5. POST AND RAIL FENCE MAY BE REPLACED BY OTHER METHOD OF DEMARCATION WITH APPROVAL OF CONSERVATION COMMISSION



### FIELD CROSS - SECTION



### SEPTIC SYSTEM PROFILE (NOT TO SCALE)

### PROPOSED 1500 GAL. SEPTIC TANK

### DISTRIBUTION BOX

### LEACHING FIELD

### NOTES

1. ALL COMPONENTS WILL BE BY BENSON INDUSTRIES OR APPROVED EQUAL.
2. ALL PIPE WILL BE 4" SCH 40 PVC.
3. MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO ALL REQUIREMENTS OF THE MASS ENVIRONMENTAL CODE AND THE REQUIREMENTS OF THE LOCAL BOARD OF HEALTH.
4. ALL OF THE "A" AND "B" LAYERS SHALL BE REMOVED AS PER 310 OR 15,295 (5) FOR A DISTANCE OF 5' FROM ALL SIDES OF THE PROPOSED LEACHING SYSTEM AND FROM BENEATH THE LEACHING SYSTEM TO AN ELEVATION OF 92.0' OR UNTIL NATURALLY OCCURRING PERVIOUS MATERIAL IS REACHED AS PER 310 CMR 15.290 AND THE LOCAL B.O.H. OFFICER. AFTER THE EXCAVATION IS COMPLETE, THE AREA WILL BE BACKFILLED TO THE B.O.H. OFFICER.
5. ALL UTILITIES SHOWN ARE PLOTTED FROM THE BEST AVAILABLE INFORMATION AND SHOULD BE VERIFIED BY THE CONTRACTOR FOR THE EXACT ELEVATION AND LOCATION PRIOR TO CONSTRUCTION OF THE PROPOSED SEWAGE DISPOSAL SYSTEM. AS PER CMR 310 15.404 AND 15.406.
6. THIS PLAN IS DESIGNED TO MAXIMUM FEASIBLE COMPLIANCE.
7. ANY CHANGES OR VARIATIONS FROM THIS PLAN MUST BE APPROVED, IN WRITING, PRIOR TO CONSTRUCTION BY BOTH MILLER ENGINEERING AND THE LOCAL B.O.H.
8. WETLANDS LOCATED WITHIN 150' OF THIS SITE ARE INDICATED ON THE PLAN. THIS PROJECT DOES NOT LIE WITHIN 100' SETBACK OF THE WETLAND RESOURCE AREA.
9. THIS SITE IS NOT LOCATED WITHIN THE FLOOD ZONE SHOWN ON THE LATEST FEMA FIRM MAP.
10. THIS PLAN MEETS THE REQUIREMENTS OF 310 CMR 15.000 AND HEALTH.
11. ALL SEPTIC SYSTEM COMPONENTS TO BE MARKED WITH MAGNETIC ONCE BURIED.
12. SEPTIC TANK COMPONENTS TO BE MADE WATERIGHT BY MANUFACTURER SPECIFICATION OR BY OTHER MEANS.
13. TANKS, COVERS, CONNECTIONS, AND PIPING SHALL BE CONSTRUCTED USING ASHTO-H-10 LOADING CAPABLE COMPONENTS.
14. IF THE DISTRIBUTION BOX IS INSTALLED UNDER 4" OR 6" BELOW GRADE IT SHALL BE EQUIPPED WITH A RISER TO GRADE.
15. ONE INSPECTION PORT OF 4" PVC PIPE IS TO BE INSTALLED TO THE INTERFACE OF CRUSHED STONE AND SEPTIC SAND OR EXISTING GROUND WITH A SCREW TYPE COVER.
16. A MOBIL PIPELINE INSPECTOR MUST BE NOTIFIED AT THE TIME THAT IF AN INSPECTOR MUST BE NOTIFIED, PLEASE CALL 781-241-3822 BEFORE YOU DIG. INC. AT (800) 922-4465 MUST BE CONTACTED THREE DAYS PRIOR TO ANY CONSTRUCTION ACTIVITY NEAR THE PIPELINE.
17. THE LOCAL PIPELINE OFFICE PHONE NUMBER IS (609) 476-3054 ATTN: ROBERT DEJUEL.

### DESIGN DATA

1. DESIGN FLOW: PROPOSED 4 BEDROOM HOUSE, NO GARAGE GRINDER. DESIGN FLOW = 4 BEDROOMS x 110 GALS/DAY = 440 GALS/DAY
2. SOLS INFORMATION: PERCOLATION RATE = 27 MIN PER IN. SOIL CLASS II. DESIGN PERCOLATION RATE = 30 MIN PER IN.
3. LEACHING AREA PROVIDED: BOTTOM: 52' LONG x 26' WIDE = 1,352 SQUARE FEET
4. CAPACITY: 1,352 SQUARE FEET x .23 GALS PER SQUARE FOOT = 448 GALS PER DAY

### SOIL DATA

TEST PIT 2	TEST PIT 3	TEST PIT 4	TEST PIT 4A
96.9 A SANDY LOAM	97.3 A SANDY LOAM	98.5 A SANDY LOAM	97.7 A SANDY LOAM
96.1 B SANDY LOAM	96.3 B SANDY LOAM	98.0 B SANDY LOAM	96.7 B SANDY LOAM
94.3 C1 SANDY LOAM DENSE FRANKLIN PLC	96.5 C1 FINE SAND	96.5 B SANDY LOAM	96.9 B SANDY LOAM
92.0 C2 SANDY LOAM 15% GRAV	87.0 C2 SANDY LOAM 15% GRAV	88.0 C SANDY LOAM 15% GRAV	92.0 C1 FINE SAND
85.2 MPT SOME COBBLES & BOULDERS	87.4 MPT SOME COBBLES	89.0 MPT SOME COBBLES	87.4 MPT SOME COBBLES
GW DEPTH = 34' (94.1)	GW DEPTH = 27' (95.1)	GW DEPTH = 36' (95.5)	GW DEPTH = 38' (94.5)

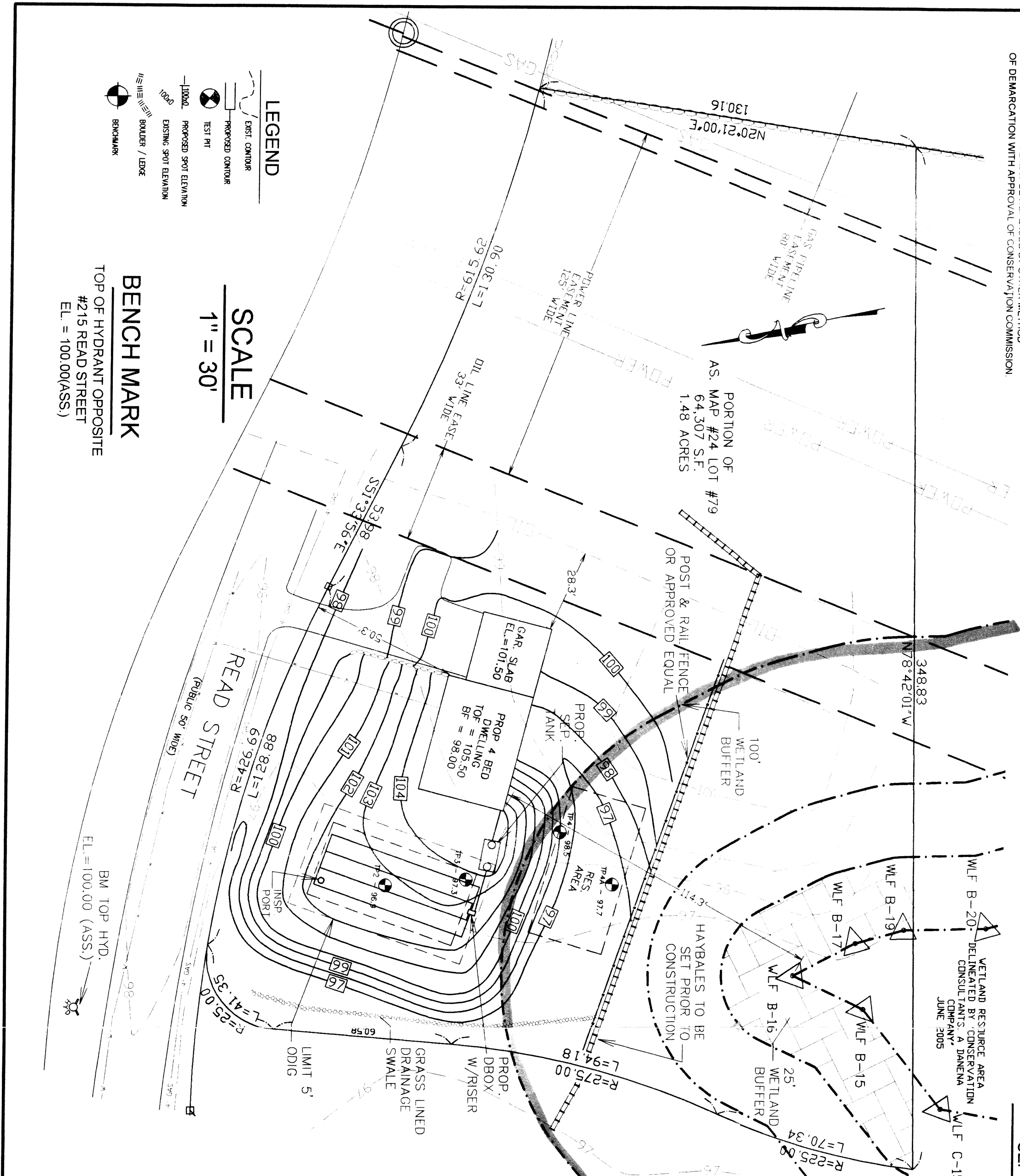
SOIL TESTS PERFORMED 9/13/05 & 10/11/06 BY M. CAMPAGNONE AND WITNESSED BY H.R. CHENERET OF THE SEEKONK BOARD OF HEALTH	
APPLICANT	CHARLES CONNORS PINE SWAMP ROAD CUMBERLAND, RI
LOCATION	213 READ STREET SEEKONK, MA
PREPARED BY	MILLER ENGINEERING 21 BROOK STREET SEEKONK, MA (959) 761-7790
CHECKED	AUGUST 17, 2007

### LEGEND

- PROPOSED CORNER
- EXIST. CORNER
- PROPOSED SPOT ELEVATION
- EXISTING SPOT ELEVATION
- ROUNDER / LEVEX
- BENCHMARK

### SCALE 1" = 30'

**BENCHMARK**  
TOP OF HYDRANT OPPOSITE  
#215 READ STREET  
EL. = 100.00(ASS.)



Received  
AUG 27 2007  
RDH

Prepared by  
Miller Engineering  
21 Brook Street  
Seekonk, MA  
(959) 761-7790

AUGUST 17, 2007