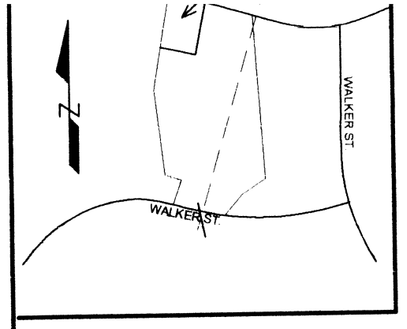
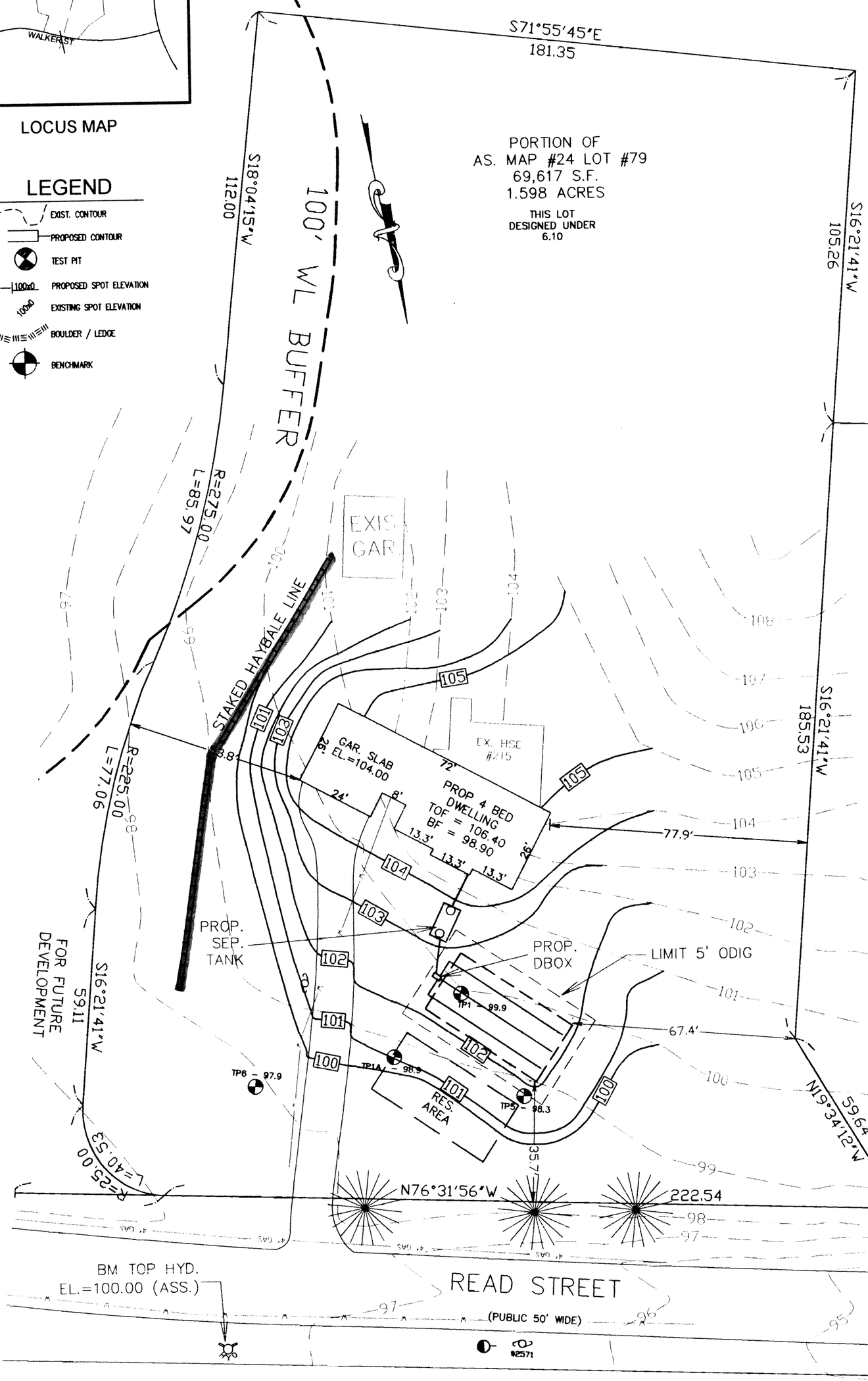
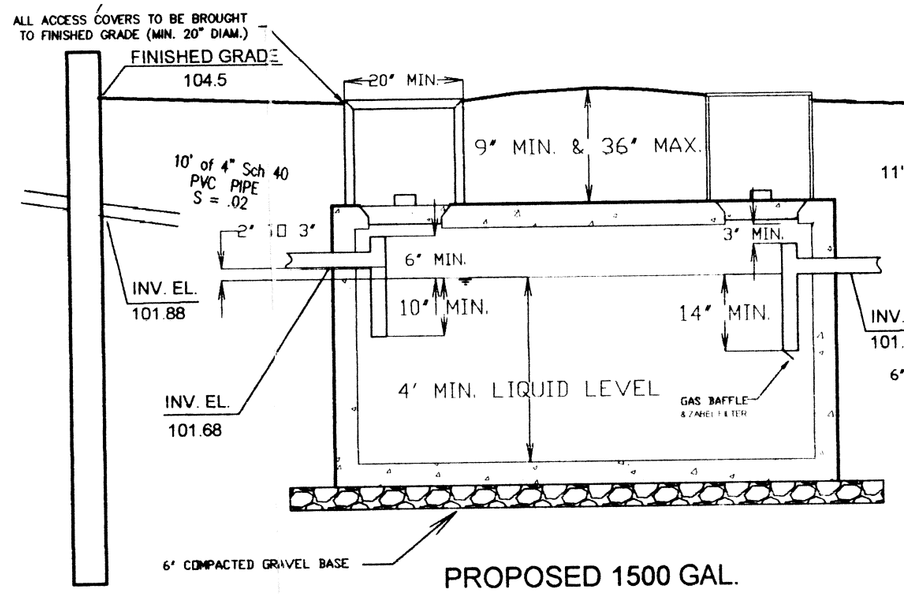


LOCUS MAP

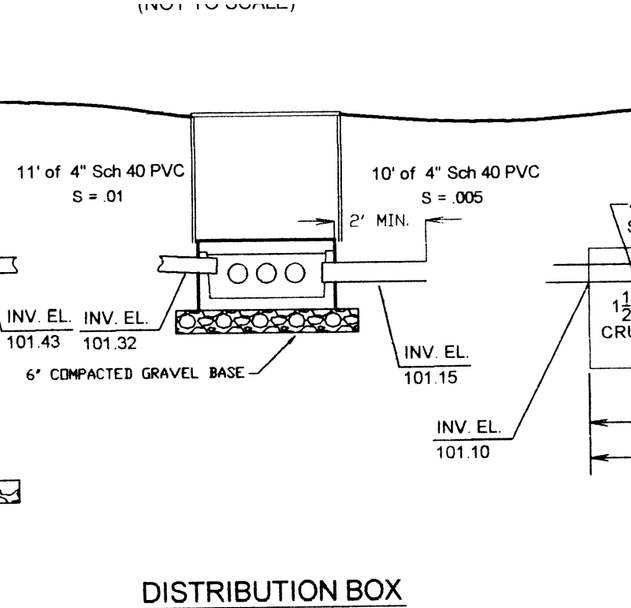
LEGEND

- EXIST. CONTOUR
- PROPOSED CONTOUR
- TEST PIT
- 100±0 PROPOSED SPOT ELEVATION
- 100±0 EXISTING SPOT ELEVATION
- BOULDER / LEDGE
- BENCHMARK

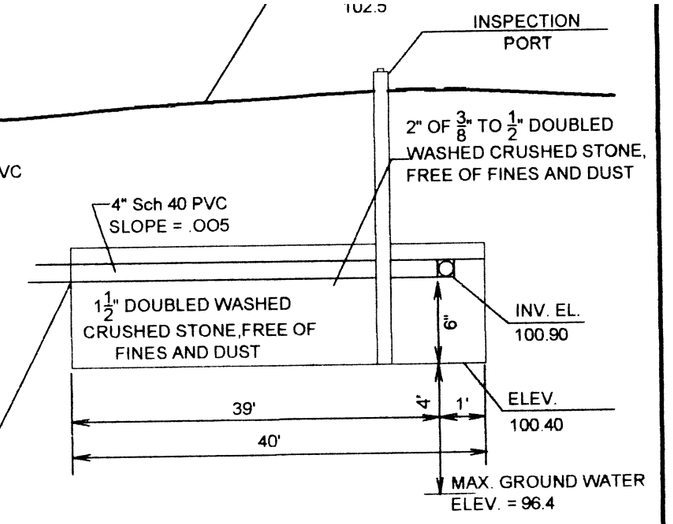




PROPOSED 1500 GAL.
SEPTIC TANK



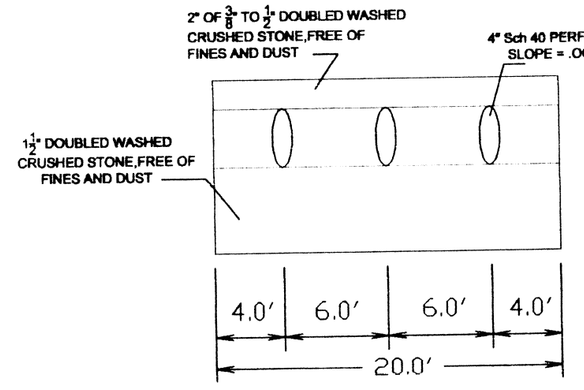
DISTRIBUTION BOX



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 THE REQUIREMENTS OF TITLE 5, 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 CR 15.255 (5) FOR A DISTANCE OF 5' FROM ALL SIDES OF THE PROPOSED LEACHING SYSTEM AND FROM BENEATH THE LEACHING SYSTEM TO AN ELEVATION OF 92.7 OR UNTIL NATURALLY OCCURRING PERVIOUS MATERIAL IS REACHED AS PER 310 CMR 15.250 AND THE LOCAL B.O.H. OFFICER. AFTER THE EXCAVATION IS COMPLETE, THE AREA WILL BE BACKFILLED TO THE DESIGN ELEVATION AS PER 310 CMR 15.255 (3) AND THE LOCAL 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.
6. THIS PLAN IS DESIGNED TO MAXIMUM FEASIBLE COMPLIANCE AS PER CMR 310 15.404 AND 15.406.
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 THE RULES AND REGULATIONS OF THE SEEKONK BOARD OF HEALTH.
11. EXISTING SEPTIC STRUCTURES TO BE PUMPED PRIOR TO REMOVAL.
12. ALL SEPTIC SYSTEM COMPONENTS TO BE MARKED WITH MAGNETIC TAPE OF OTHER COMPRABLE MEANS IN ORDER TO LOCATE THEM ONCE BURIED.
13. SEPTIC TANK COMPONENTS TO BE MADE WATERTIGHT BY MANUFACTURER SPECIFICATION, OR BY OTHER MEANS.
14. TANKS, COVERS, CONNECTIONS, AND PIPING SHALL BE CONSTRUCTED USING AASHTO H-10 LOADING CAPABLE COMPONENTS.
15. IF THE DISTRIBUTION BOX IS INSTALLED GREATER THAN 9" BELOW GRADE IT SHALL BE EQUIPPED WITH A RISER TO GRADE.
16. 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.



FIELD CROSS - SECTION

DESIGN DATA

1. DESIGN FLOW: PROPOSED 4 BEDROOM HOUSE, NO GARBAGE GRINDER
   DESIGN FLOW: 4 BEDROOMS x 110 GAL/DAY = 440 GAL/DAY
2. SOILS INFORMATION : PERCOLATION RATE = 14 MIN. PER IN. SOIL CLASS II
   DESIGN PERCOLATION RATE = 15 MIN. PER. IN.
3. LEACHING AREA PROVIDED: BOTTOM: 40' LONG x 20' WIDE = 800 SQUARE FEET
4. CAPACITY: 800 SQUARE FEET x .56 GAL. PER. SQUARE FOOT = 448 GAL. PER. DAY

RDA 215 Read St.

COMMONWEALTH OF MASSACHUSETTS
JAMES E. MILLER
CIVIL
No. 31064
REGISTERED PROFESSIONAL ENGINEER

James E. Miller

SCALE
1" = 30'

BENCH MARK

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

SOIL DATA

SOIL TESTS PERFORMED 9/13/05 & 10/11/06 BY M. CAMPAGNONE AND WITNESSED BY H.R. CHENERVET OF THE SEEKONK BOARD OF HEALTH

TEST PIT 1	TEST PIT 1A	TEST PIT 5	TEST PIT 6
99.9 A 0" SANDY LOAM	98.9 A 0" SANDY LOAM	98.8 A 0" SANDY LOAM	97.9 A 0" SANDY LOAM
99.4 B 6" SANDY LOAM	97.9 B 12" SANDY LOAM	97.8 B 12" SANDY LOAM	97.1 B 10" SANDY LOAM
98.7 C1 DENSE 14" SANDY LOAM 10% GRV FIRM IN PLC	96.7 C1 26" SANDY LOAM FIRM IN PLC 10% GRV	96.3 C 30" SANDY LOAM 15% GRV.	95.8 C 25" SANDY LOAM 15% GRV
93.9 C2 72" SANDY LOAM 15% GRV	92.7 C2 74" SANDY LOAM 15% GRV	89.8 108" SOME COBBLES	88.2 116" SOME COBBLES
89.4 126"	88.6 124" SOME COBBLES & BOULDERS		
PERC. RATE = 8 MPI PERC. DEPTH = 90"-108" GW DEPTH = 51" (95.7)	PERC. RATE = 14 MPI PERC. DEPTH = 74"-92" GW DEPTH = 30" (96.4)	GW DEPTH = 38" (95.6)	GW DEPTH = 28" (95.5)

PROPOSED SEWAGE DISPOSAL SYSTEM

LOCATION: 215 READ STREET
SEEKONK, MA

APPLICANT: CHARLES CONNORS
45 PINE SWAMP ROAD
CUMBERLAND, RI

PREPARED BY
MILLER ENGINEERING
21 BROOK STREET
SEEKONK, MA
(508) 761-7790

NOVEMBER 30, 2006

REVISED: 12/19/06 APPLICANT
2/5/07 NEW HOUSE
3/26/07 REVISED WETLAND LINE

CHECKED:

06-031