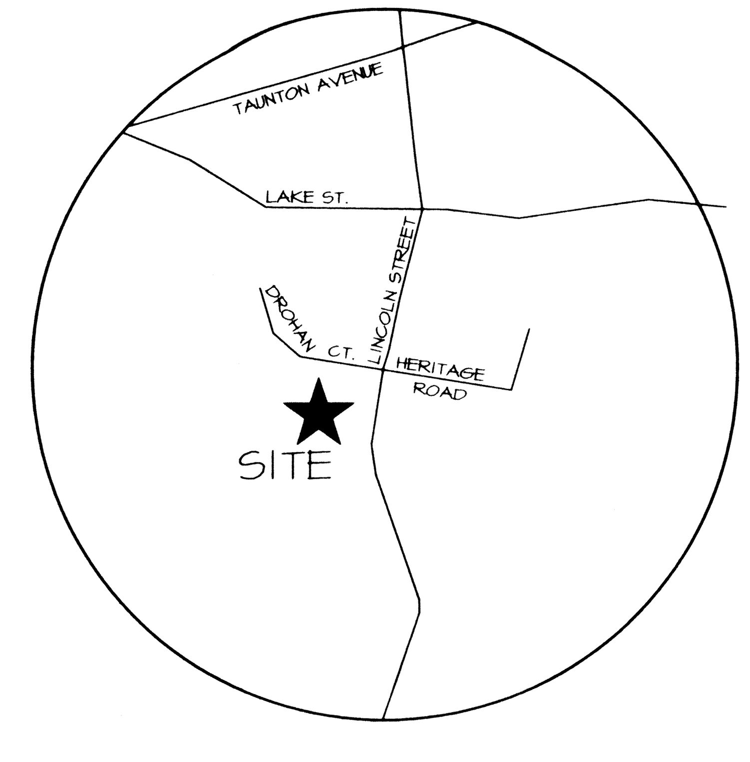
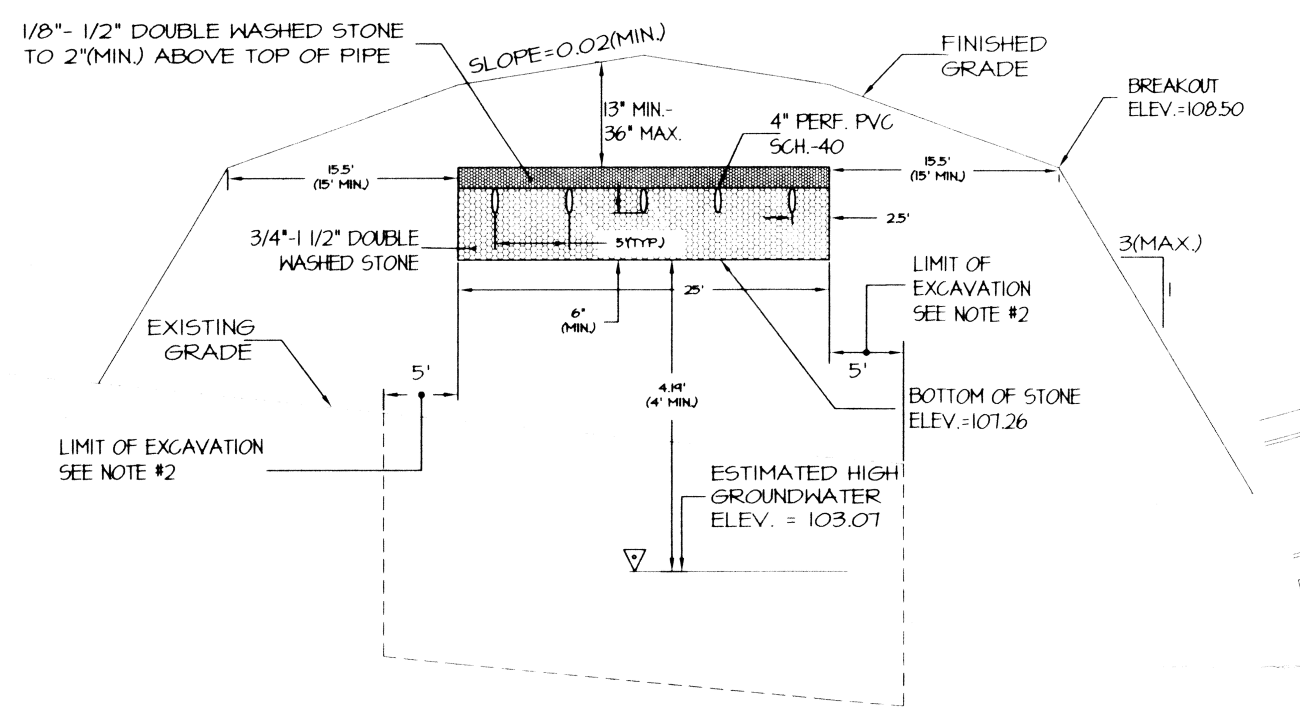


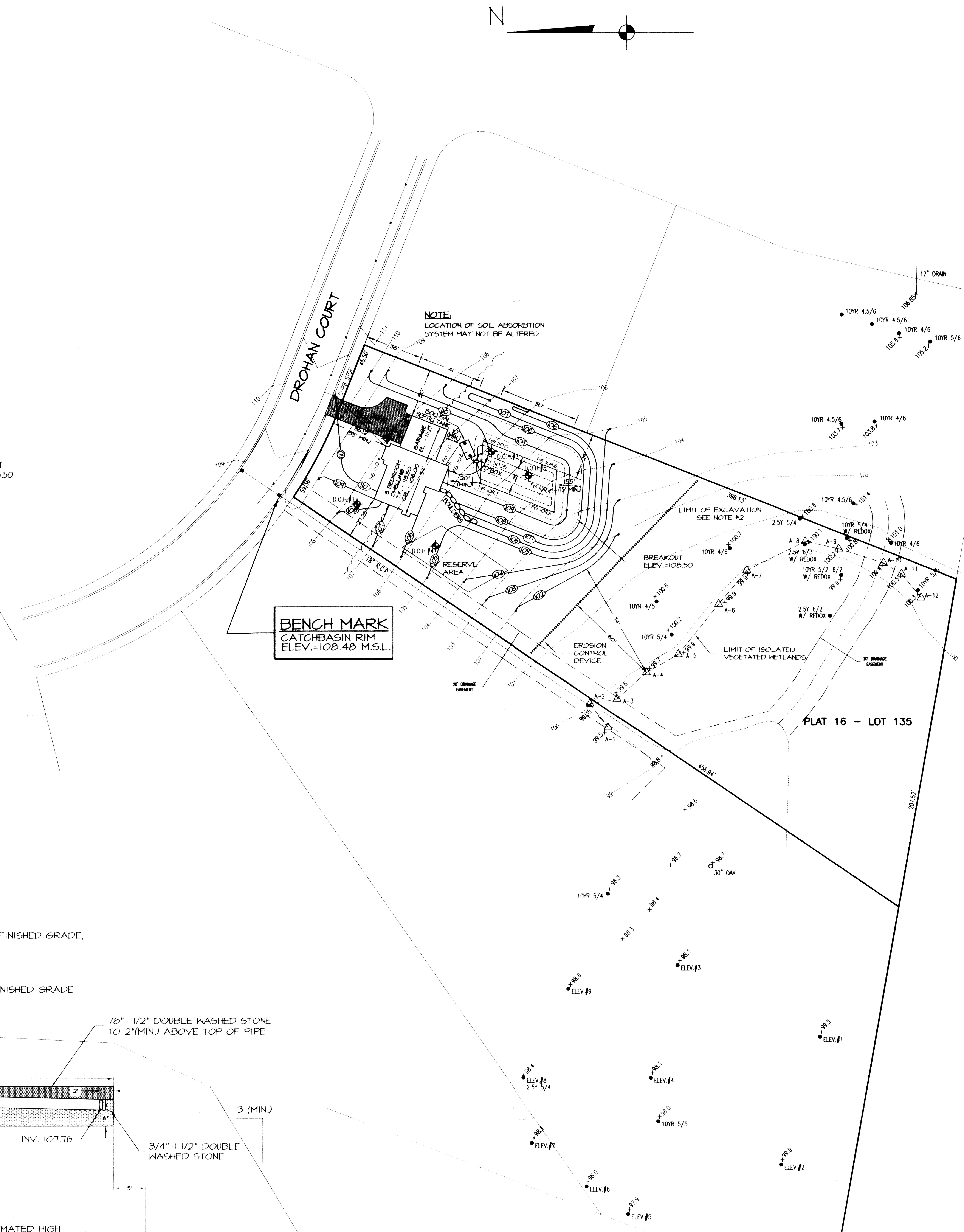
LOCUS MAP
NOT TO SCALE



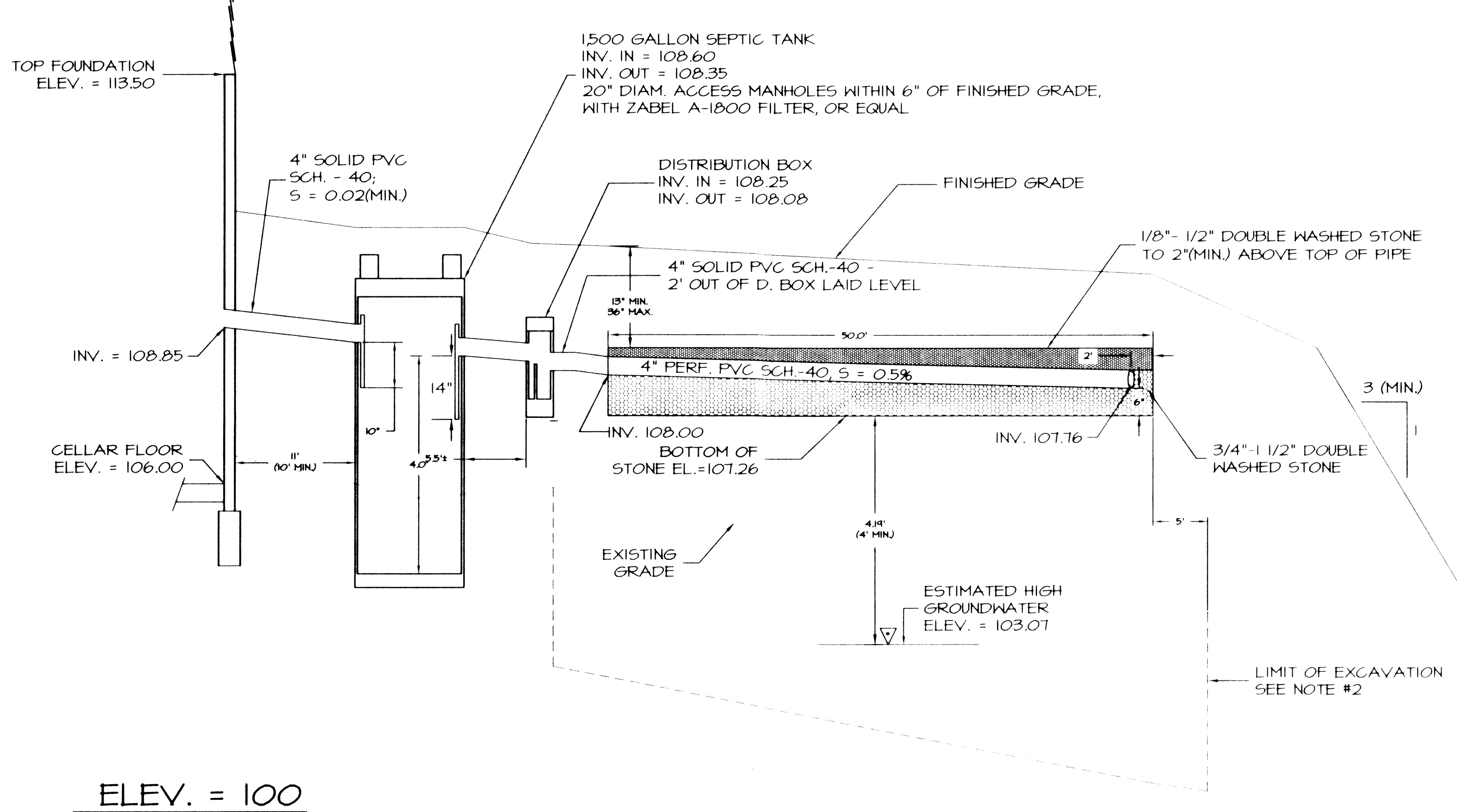
ELEV. = 100

LEACHING FIELD SECTION

SCALES { HORIZONTAL 1"=10' / VERTICAL 1"=2'



PLAN
SCALE: 1" = 40'



ELEV. = 100

LEACHING FIELD PROFILE

SCALES { HORIZONTAL 1"=10' / VERTICAL 1"=2'

NOTES:

1.) ALL WORK SHALL CONFORM TO THE 310 CMR 15.00 STATE ENVIRONMENTAL CODE - TITLE 5 AND THE RULES AND REGULATIONS OF THE SEEKONK BOARD OF HEALTH.
2.) STRIP ALL TOPSOIL, SUBSOIL AND UNSUITABLE MATERIAL, TREE ROOTS AND STUMPS AND ANY OTHER IMPERVIOUS OR SPECIFIED SOIL IN THE AREA OF THE SYSTEM AND 5 FEET BEYOND IN ALL DIRECTIONS, WHERE POSSIBLE. REPALCE WITH GRANULAR FILL MEETING THE LATEST SPECIFICATIONS OF 310CMR15.255(3). REMOVE TO AT LEAST 3" INTO C HORIZON
3.) ALL PIPE TO BE 4" P. V. C. SCHEDULE 40 UNLESS OTHERWISE NOTED.
4.) PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK AND DISTRIBUTION BOX.
5.) IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION.
6.) GARBAGE GRINDER IS NOT ALLOWED WITH THIS DESIGN.
7.) IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
8.) BREAKOUT ELEVATION = 108.50. NO FINISHED GRADE BELOW 108.50 FOR 15 FEET (MINIMUM) FROM THE EDGE OF THE LEACHING AREA.
9.) CONTRACTOR SHALL CONTACT "DIG-SAFE" PRIOR TO CONSTRUCTION. LOCATION OF UTILITIES ON THIS PLAN ARE FROM EXISTING INFORMATION, BUT ARE ONLY TO BE CONSIDERED APPROXIMATE.
10.) THE CELLAR FLOOR ELEVATION SHOWN HAS BEEN SUGGESTED AS A MINIMUM BASED ON OBSERVED GROUNDWATER CONDITIONS. SINCE THE GROUNDWATER LEVELS FLUCTUATE ANNUALLY, NO WARRANTY OF A DRY CELLAR IS EXPRESSED OR IMPLIED.
11.) ALL STONE USED FOR CONSTRUCTION OF THE SOIL ABSORPTION SYSTEM MUST BE DOUBLE WASHED AS SPECIFIED BY 310 CMR 15.247. ACTUAL STONE MATERIAL MAY ALSO BE SUBJECT TO APPROVAL BY THE DESIGN ENGINEER AND/OR SEEKONK HEALTH AGENT.
12.) THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY FOR MONITORING, INSPECTING OR SUPERVISING THE ACTUAL CONSTRUCTION WORK. AFTER EXCAVATING AND PRIOR TO INSTALLING ANY IMPORTED MATERIAL, CONTACT THE BOARD OF HEALTH AGENT FOR A BOTTOM OF EXCAVATION INSPECTION. AFTER SYSTEM COMPONENTS ARE IN PLACE AND PRIOR TO BACKFILLING, CONTACT THE DESIGNER TO VERIFY THE LOCATION AND ELEVATION OF SYSTEM COMPONENTS AND PREPARE A RECORD DRAWING AS REQUIRED BY THE BOARD OF HEALTH.

DESIGN DATA

DAILY SEWAGE FLOW
PROPOSED BEDROOMS = THREE
DAILY FLOW = 110 GAL./DAY/BEDROOM x 3 BEDROOMS x 150% = 495 GALLONS PER DAY
SEPTIC TANK REQUIREMENTS
VOLUME = 2 x DAILY FLOW = 660 GALLONS
MINIMUM SIZE = 1,500 GALLONS
LEACHING AREA REQUIREMENTS
PERCOLATION RATE = 23 MINUTES PER INCH
DESIGN FOR 25 MINUTES PER INCH - SOIL TEXTURE CLASS - II
EFFLUENT LOADING RATE = 0.40 GALLONS PER SQUARE FOOT
SIDEWALL AREA = 0 SQUARE FEET (FIELD)
BOTTOM AREA = 50' x 25' = 1250 SQUARE FEET
TOTAL LEACHING AREA = 1250 SQUARE FEET
TOTAL LEACHING CAPACITY
= 1250 S. F. x 0.40 GAL/DAY/S. F. = 500 GAL./DAY > 495 GPD

DEEP OBSERVATION HOLE "3" LOG
ORIGINAL GRADE - 105.9

DEPTH	SOIL HORIZON	SOIL TEXTURE	SOIL COLOR	SOIL MOTTLING	OTHER
0 - 12"	Ap	SANDY LOAM	10 YR 3/3	————	MASSIVE, FRIABLE, COBBLES
12" - 26"	Bw	SANDY LOAM	10 YR 5/4	————	MASSIVE, FRIABLE, STONES
26" - 114"	Cd	SANDY LOAM	2.5 Y 4/3	● 34" COMMON, COARSE, PROMINENT	MASSIVE, FRIABLE, GRAVELLY, STONES, BOULDERS
114"	R				

OBSERVED STANDING GROUNDWATER - NONE
ESTIMATED HIGH GROUNDWATER - 34" (EL.=103.07)
DATE OF TEST - D.O.H. - 1/12/99; PERC. - 1/13/99

OBSERVED WEEPING GOUNDWATER - NONE
PERCOLATION TEST AT 45" + 18" = 23 MINUTES/INCH
REMOVE TO 3" INTO C HORIZON

DEEP OBSERVATION HOLE "4" LOG
ORIGINAL GRADE - 105.3

DEPTH	SOIL HORIZON	SOIL TEXTURE	SOIL COLOR	SOIL MOTTLING	OTHER
0 - 12"	Ap	SANDY LOAM	10 YR 2/2	————	MASSIVE, FRIABLE
12" - 33"	Bw	SANDY LOAM	10 YR 4/6	————	MASSIVE, FRIABLE, GRAV., STONES
33" - 120"	Cd	SANDY LOAM	2.5 Y 4/3	● 54" COMMON, COARSE, PROMINENT	MASSIVE, FRIABLE, GRAVELLY, STONES

OBSERVED STANDING GROUNDWATER - 100"
ESTIMATED HIGH GROUNDWATER - 54" (EL.=100.80)
DATE OF TEST - D..O.H. - 3/9/99; PERC. - 7/1/99

OBSERVED WEEPING GOUNDWATER - 60"
PERCOLATION TEST AT 42" + 18" = 22 MINUTES/INCH
REMOVE TO 3" INTO C HORIZON

DEEP OBSERVATION HOLE "5" LOG
ORIGINAL GRADE - 104.6

DEPTH	SOIL HORIZON	SOIL TEXTURE	SOIL COLOR	SOIL MOTTLING	OTHER
0 - 12"	Ap	SANDY LOAM	10 YR 2/2	————	MASSIVE, FRIABLE, COBBLES
12" - 36"	Bw	SANDY LOAM	10 YR 5/4	————	MASSIVE, FRIABLE, STONES
36" - 120"	Cd	FINE S. LOAM	2.5 Y 4/3	● 36" COMMON, COARSE, PROM. 7.5 YR 4/6 & 2.5 Y 5/2	MASSIVE, FRIABLE, GRAVELLY, COBBLES, BOULDERS

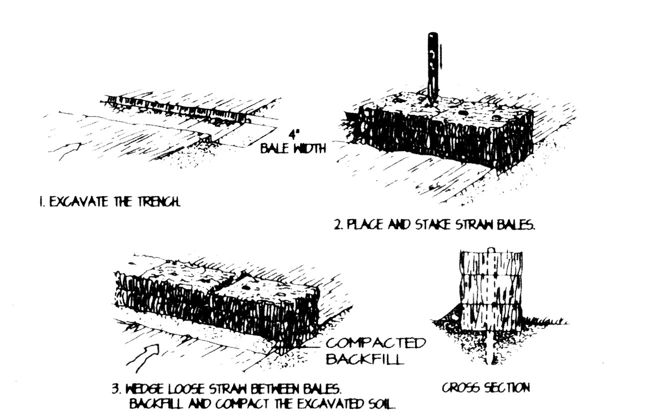
OBSERVED STANDING GROUNDWATER - NONE
ESTIMATED HIGH GROUNDWATER - 36" (EL.=101.60)
DATE OF TEST - D..O.H. - 3/9/99; PERC. - 6/30/99

OBSERVED WEEPING GOUNDWATER - NONE
PERCOLATION TEST AT 43" + 18" = 10 MINUTES/INCH
REMOVE TO 3" INTO C HORIZON

NOTE: D.O.H. 1 & 2 WERE UNSUITABLE FOR DESIGN OF A SEWAGE DISPOSAL SYSTEM
WITNESS: MR. CHENEVERT, SEEKONK BOARD OF HEALTH
TESTING PERFORMED BY: CAPUTO AND WICK LTD.

EROSION AND SEDIMENTATION CONTROL

1.) ALL PERIMETER EROSION AND SEDIMENTATION CONTROLS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF EARTHWORK.
2.) ACCESSIBLE RESERVES OF HAY BALES AND STAKES ARE TO BE MAINTAINED ON SITE FOR ROUTINE MAINTENANCE AND IN THE EVENT OF UNANTICIPATED PROBLEMS REQUIRING EMERGENCY RESPONSE.
3.) HAY BALES SHOULD BE INSTALLED IN ACCORDANCE WITH THE DETAILS PROVIDED.
4.) NO WORK IS TO OCCUR ON THE WETLAND SIDE OF THE PERIMETER EROSION AND SEDIMENTATION CONTROLS. ALL PERIMETER CONTROLS SERVE AS THE PROJECT LIMIT OF DISTURBANCE.
5.) NO STONES, BRUSH, CONSTRUCTION DEBRIS, LITTER, OR OTHER MATERIALS ARE TO BE DEPOSITED ON THE WETLAND SIDE OF THE EROSION AND SEDIMENTATION CONTROLS.
6.) ALL DISTURBED SOILS NOT DESIGNATED FOR OTHER SURFACE TREATMENT ARE TO BE LOAMED AND SEEDED IMMEDIATELY FOLLOWING FINAL GRADING.
7.) APPROPRIATE PRECAUTIONS SHOULD BE TAKEN TO PREVENT THE TRANSPORT OF SOIL OFF SITE FROM CONSTRUCTION EQUIPMENT.
8.) ALL PERIMETER EROSION AND SEDIMENTATION CONTROLS MUST BE PROPERLY MAINTAINED AND MUST REMAIN IN PLACE UNTIL THE SOILS HAVE BEEN STABILIZED TO THE SATISFACTION OF THE ENGINEER AND THE SEEKONK CONSERVATION COMMISSION.



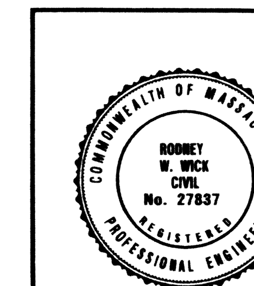
HAY BALE DETAIL

Received
OCT 22 2001
Con. Comm.

I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT FOR THE LOCATION OF THE EXISTING WATER SERVICE CURB STOP FOR PLAT 16, LOT 136 AND THAT IT IS SHOWN CORRECTLY. THE DIMENSION BETWEEN THE WATER SERVICE AND THE SEWAGE SYSTEM COMPONENTS COMPLIES WITH THE RULES AND REGULATIONS OF THE SEEKONK WATER DISTRICT.

LEGEND

-100--	EXISTING CONTOUR
100	PROPOSED CONTOUR
MA. STD.	MASSACHUSETTS STANDARD
INV.	INVERT OF PIPE
P. V. C.	POLYVINYL CHLORIDE PIPE
S. D. R.	STANDARD DIMENSION RATIO
R. C. P.	REINFORCED CONCRETE PIPE
CONC.	CONCRETE (BIT. OR P. C.)
BIT.	BITUMINOUS
P. C.	PORTLAND CEMENT
TYP.	TYPICAL
F.G. 100x00	FINISHED SPOT GRADE
100x00	EXISTING SPOT GRADE
T. C.	TOP OF CURB
B. C.	BOTTOM OF CURB
ℙ	PROPERTY LINE
-x-CLF-x-	CHAIN LINK FENCE
ST	SEPTIC TANK
DB	DISTRIBUTION BOX
⊕	DEEP OBSERVATION HOLE



MAP OF FIELD DATA POINTS
ROBERT DROHAN
DROHAN COURT
SEEKONK, MASSACHUSETTS

CAPUTO AND WICK LTD.
1150 PAWTUCKET AVE.
RUMFORD, R.I. 02916
401-434-8880

DATE OCTOBER 22, 2001
SHEET 1 OF 1