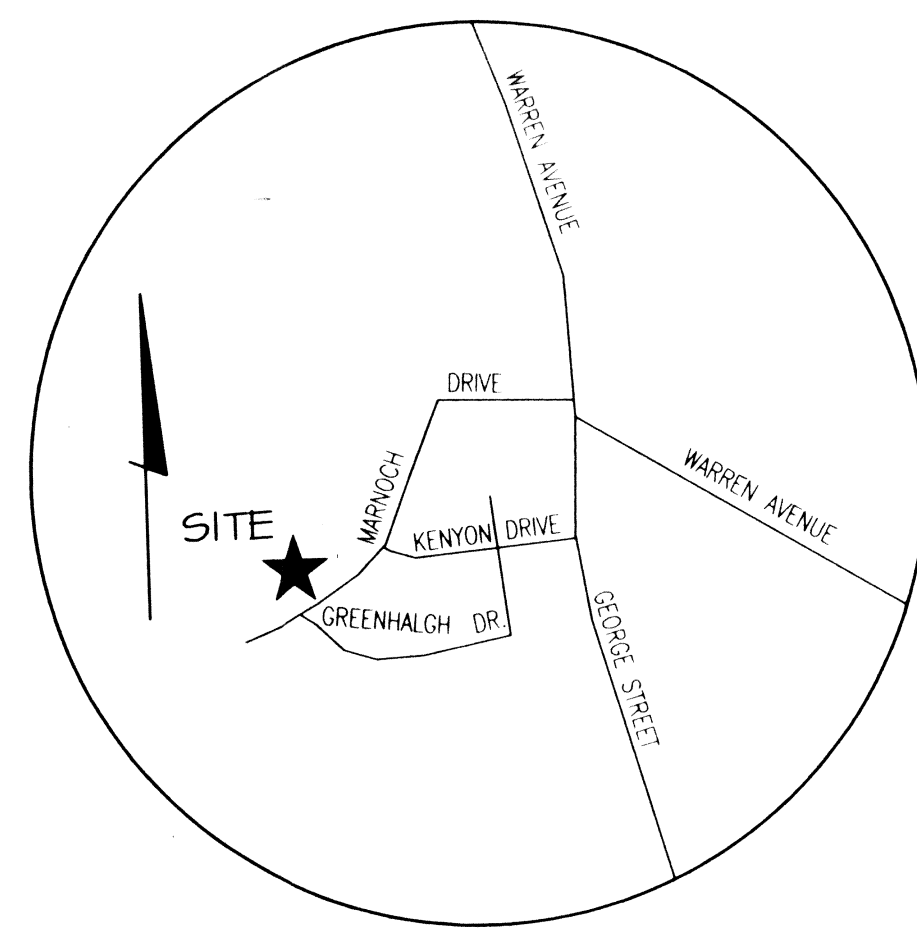
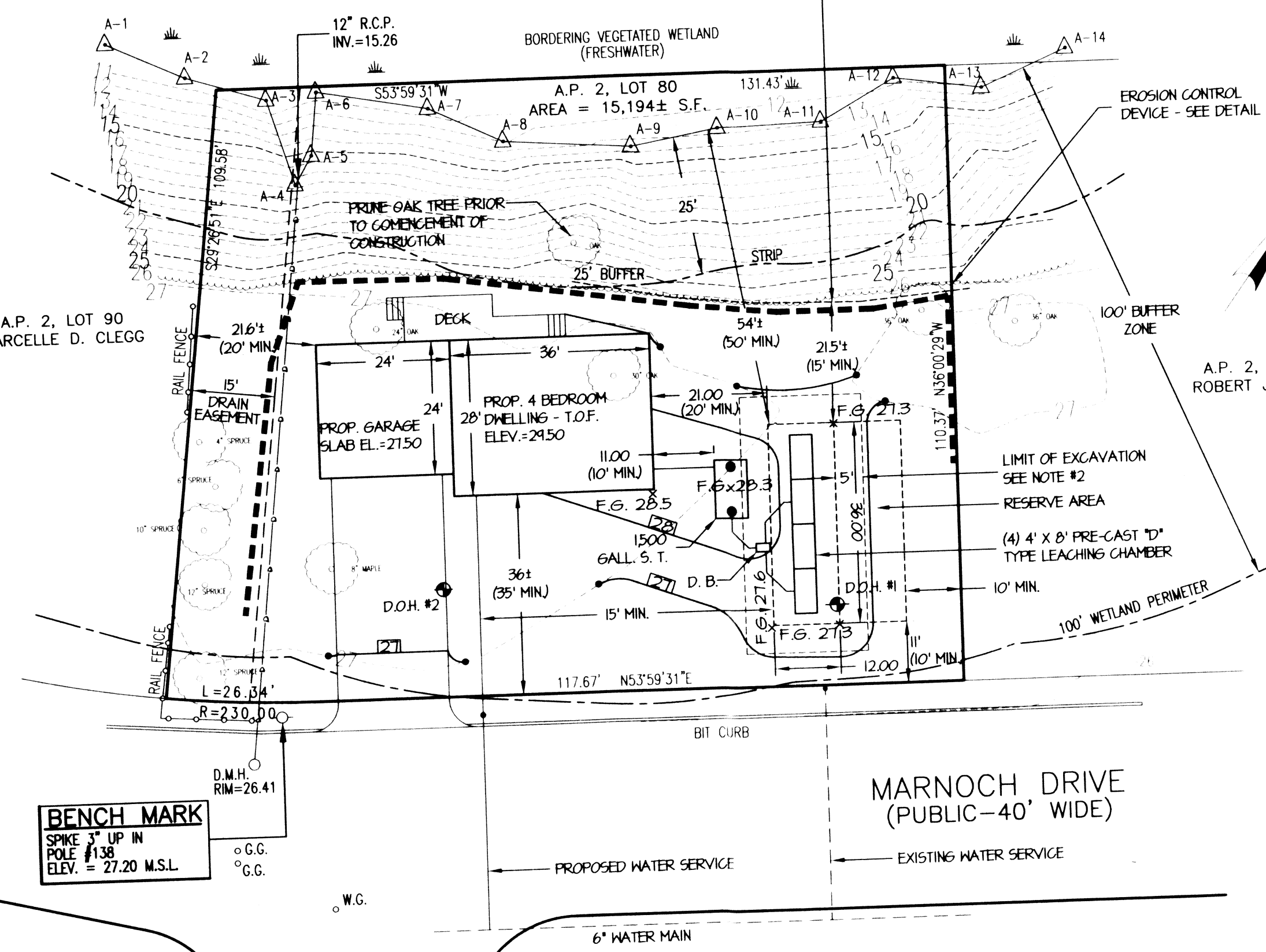


A.P. 2, LOT 35
SEEKONK LAND CONSERVATION TRUST, INC.

100 YEAR FLOOD PLAIN ELEVATION = 10.00 M.S.L.



LOCUS MAP
NOT TO SCALE

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. REMOVE TO AT LEAST 3" INTO C1 HORIZON. REPALE WITH GRANULAR FILL MEETING THE LATEST SPECIFICATIONS OF 310CMR15.255(3).
- 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 = 26.15. NO FINISHED GRADE BELOW 26.15 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 = FOUR
DAILY FLOW = 110 GAL./DAY/BEDROOM x 4 BEDROOMS = 440 GALLONS PER DAY

SEPTIC TANK REQUIREMENTS
VOLUME = 2 x DAILY FLOW = 880 GALLONS
MINIMUM SIZE = 1500 GALLONS

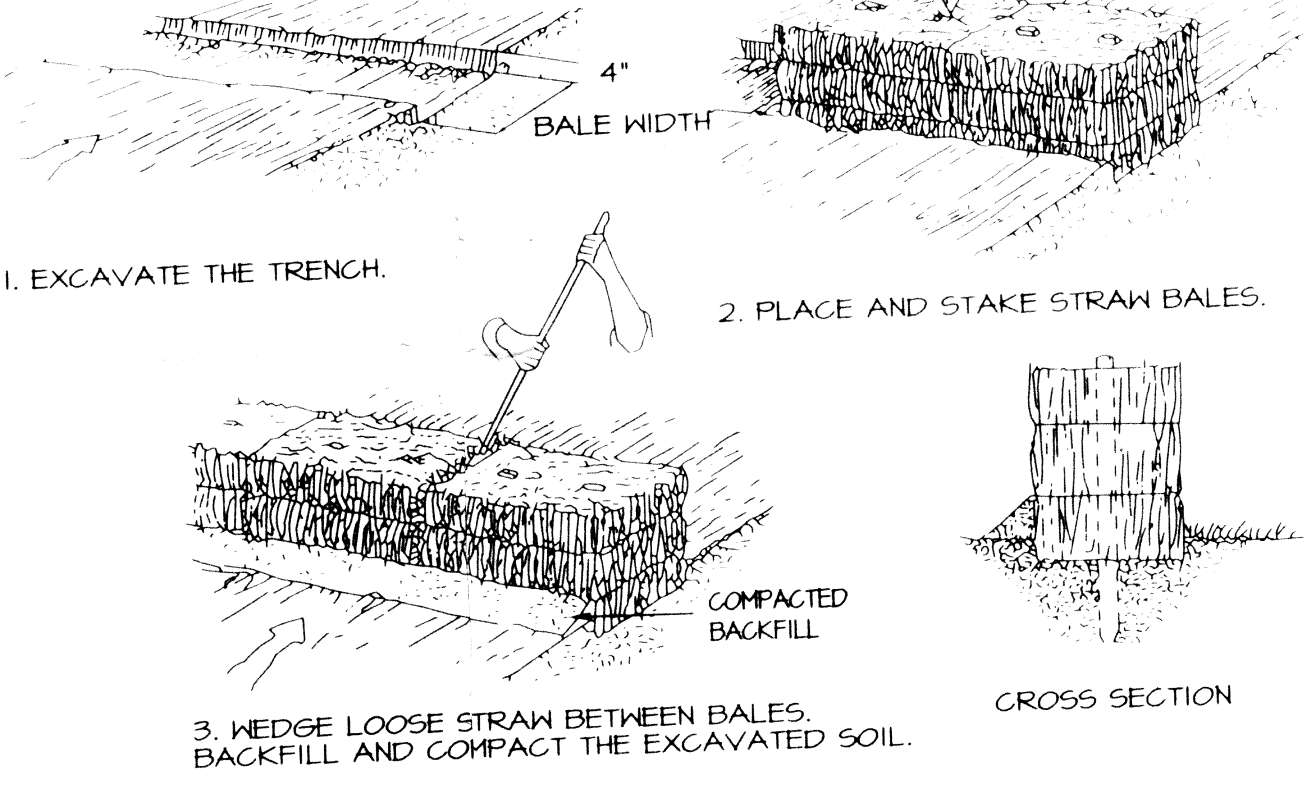
LEACHING AREA REQUIREMENTS
PERCOLATION RATE = < 2 MINUTES PER INCH
DESIGN FOR 5 MINUTES PER INCH - SOIL TEXTURE CLASS - 1
EFFLUENT LOADING RATE = 0.74 GALLONS PER SQUARE FOOT
SIDEWALL AREA = [(36"x2) + (12"x2)] x 2 FEET = 192 SQUARE FEET
BOTTOM AREA = 36' x 12' = 432 SQUARE FEET
TOTAL LEACHING AREA = 624 SQUARE FEET
TOTAL LEACHING CAPACITY
= 624 S.F. x 0.74 GAL./DAY/S.F. = 462 GAL./DAY > 440 GPD

MISCELLANEOUS NOTES:

- 1) ALL TREE PRUNING AND TRIMMING NECESSARY TO CONSTRUCT DWELLING AND CONDUCT ASSOCIATED SITE WORK TO BE COMPLETED PRIOR TO CONSTRUCTION.
- 2) POST-CONSTRUCTION PRUNING WITHIN THE 25-FOOT BUFFER STRIP IS PROHIBITED.
- 3) ROOF DRAINAGE FROM ALL SIDES OF DWELLING ARE TO BE DIRECTED SOUTH-EASTERLY TOWARDS MARNOCH DRIVE.

EROSION & 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 offsite 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

DEEP OBSERVATION HOLE "1" LOG
ORIGINAL GRADE - 26.85

DEPTH	SOIL HORIZON	SOIL TEXTURE	SOIL COLOR	SOIL MOTTLING	OTHER
0 - 12"	Ap	SANDY LOAM	10 YR 3/3		MASSIVE, FRIABLE
12" - 26"	Bw	LOAMY SAND	10 YR 5/8		MASSIVE, FRIABLE
26" - 56"	C1	MED.-CRS. SAND	2.5YR 5/3		SINGLE GRAIN, LOOSE
56" - 84"	C2	MED-FINE SAND	2.5 Y 6/3		SINGLE GRAIN, LOOSE
84" - 126"	C3	MED.-CRS. SAND	2.5 Y 4/2		SINGLE GRAIN, LOOSE

OBSERVED KEEPING GROUNDWATER - 112"
ESTIMATED HIGH GROUNDWATER - 18.46 (SEE FRIMPTER CALC. BELOW)
PERCOLATION TEST AT 50" x 20" - UNABLE TO SATURATE REMOVE TO 3" INTO C1 HORIZON

DEEP OBSERVATION HOLE "2" LOG
ORIGINAL GRADE - 27.50

DEPTH	SOIL HORIZON	SOIL TEXTURE	SOIL COLOR	SOIL MOTTLING	OTHER
0 - 10"	Ap	SANDY LOAM	10 YR 3/3		MASSIVE, FRIABLE
10" - 25"	Bw	LOAMY SAND	10 YR 5/8		MASSIVE, FRIABLE
25" - 46"	C1	MED.-CRS. SAND	2.5YR 5/3		SINGLE GRAIN, LOOSE
46" - 120"	C2	MED-FINE SAND	2.5 Y 6/3		FINE GRAVEL

OBSERVED KEEPING GROUNDWATER - NONE TO 120"
ESTIMATED HIGH GROUNDWATER - 10.8" (ELEV. 18.50)
PERCOLATION TEST AT 50" x 20" - UNABLE TO SATURATE REMOVE TO 3" INTO C1 HORIZON

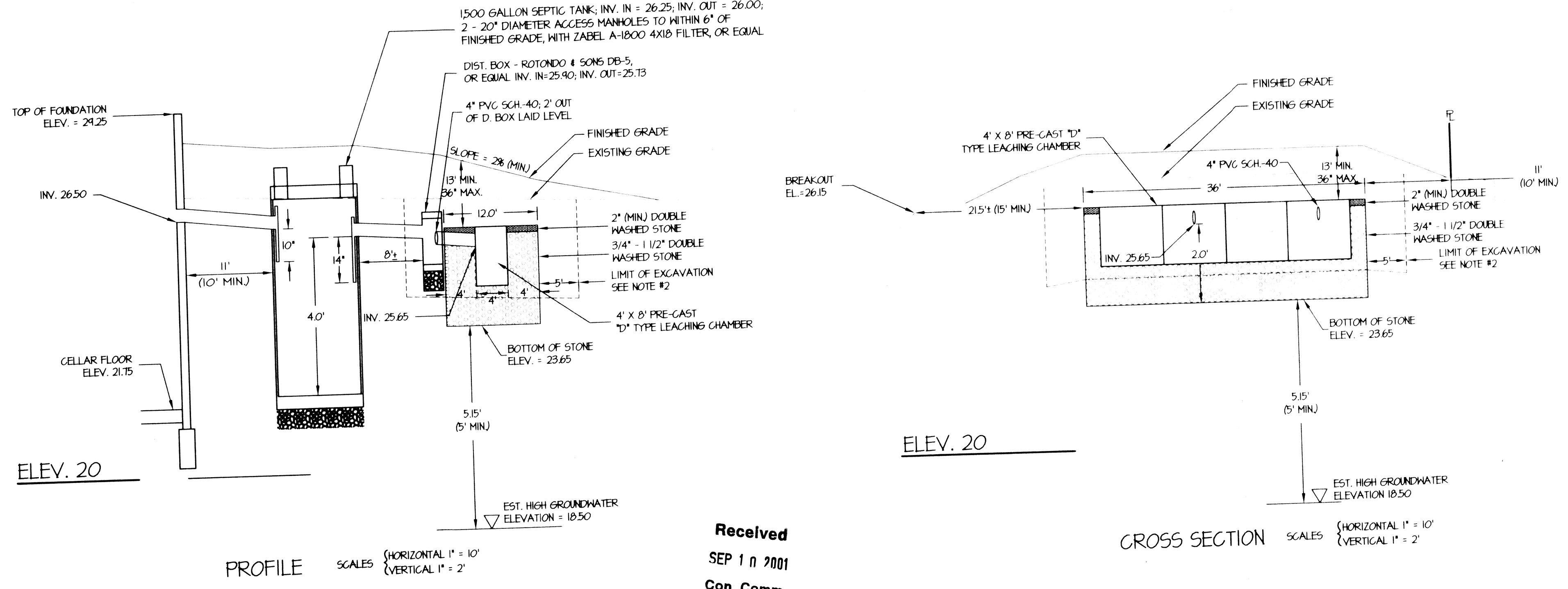
WITNESS: MR. CHENEVERT, SEEKONK BOARD OF HEALTH
TESTING PERFORMED BY: CAPUTO AND WICK LTD.
DATE OF SOIL TEST - APRIL 19, 2001

FRIMPTER CALCULATIONS

ORIGINAL GROUND D. O. H. #1 = 26.85
SITE OBSERVED GROUNDWATER = 9.33'
SITE WATER LEVEL RANGE = 3.7'
OBSERVATION WELL CURRENT (APRIL 27, 1998) = 5.68'
OBSERVATION WELL MAXIMUM = 5.02'
OBSERVATION WELL RANGE = 2.60'
SITE ADJUSTED GROUNDWATER = $5.02' - \frac{5.02' - 9.33'}{2.60'}(26.85 - 9.33)$
SITE ADJUSTED GROUNDWATER = 9.33' - $\frac{3.11' - 5.02'}{2.60'}(26.85 - 9.33)$ = 8.34' (EL. 18.46)

LEGEND

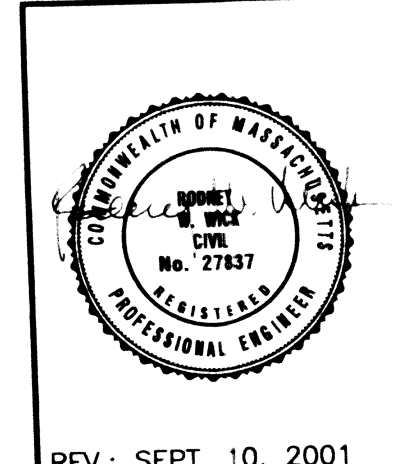
- 100--- EXISTING CONTOUR
- 100L--- PROPOSED CONTOUR
- MA, STD. MASSACHUSETTS STANDARD
- INV. INVERT OF PIPE
- P.V.C. POLYVINYL CHLORIDE PIPE
- S.D.R. STANDARD DIMENSION RATIO
- R.C.P. REINFORCED CONCRETE PIPE
- CONC. CONCRETE (BIT. OR P.C.)
- BIT. BITUMINOUS
- P.C. PORTLAND CEMENT
- TYP. TYPICAL
- F.G.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



PROFILE SCALES (HORIZONTAL 1" = 10', VERTICAL 1" = 2')

CROSS SECTION SCALES (HORIZONTAL 1" = 10', VERTICAL 1" = 2')

Received
SEP 19 2001
Con. Comm.



69-476
SEWAGE DISPOSAL SYS
ROBERT J. HEIDEL
149 MARNOCH DRIVE
SEEKONK, MASSACHUSETTS
CAPUTO AND WICK LTD.
1150 PAWTUCKET AVE.
RUMFORD, R.I. 02916
401-434-8880
DATE AUGUST
SHEET 1

I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT FOR THE LOCATION OF THE EXISTING WATER SERVICE CURB STOP FOR PLAT 2, LOT 80 AND THAT IT IS SHOWN CORRECTLY. HOWEVER, THE EXISTING WATER SERVICE IS LOCATED WHERE IT CAN NOT BE UTILIZED FOR THE DEVELOPMENT OF THIS LOT. THE DIMENSION BETWEEN THE PROPOSED NEW WATER SERVICE AND THE SEWAGE SYSTEM COMPONENTS COMPLIES WITH THE RULES AND REGULATIONS OF THE SEEKONK WATER DISTRICT.