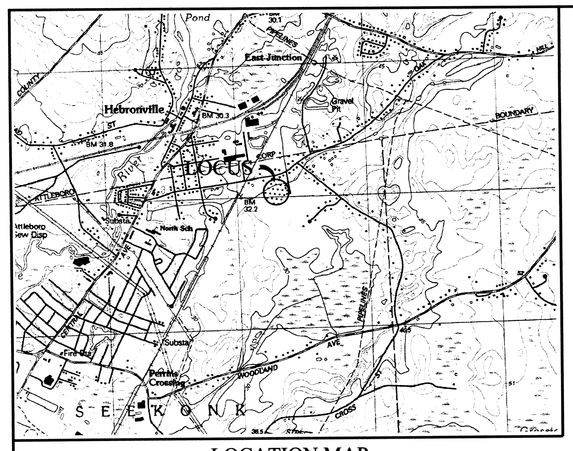


LOCATION MAP

DEEP OBSERVATION HOLE "D-34" LOG
ORIGINAL GROUND ELEV = 110.5

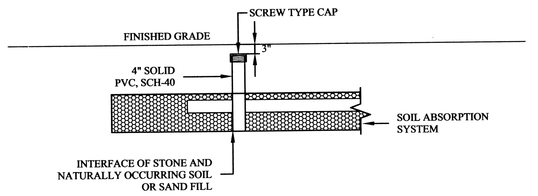
DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0" - 9"	O/A	SANDY LOAM	10 YR 3/1	-	-
9" - 24"	B	LOAMY SAND	10 YR 4/6	-	-
24" - 120"	C	SAND	2.5 Y 6/3	COMMON 10YR 5/8	40% GRAVEL

OBSERVED GROUNDWATER - NONE
PERC. RATE @ 44" = <2 MPI
ESTIMATED HIGH GROUNDWATER - 40" (ELEV=107.5)
DATE OF TESTS - 7/21/05
WITNESS, HAROLD GHENEVERT, JR.
TESTING PERFORMED BY: DEAN MONSEES

DEEP OBSERVATION HOLE "D-35" LOG
ORIGINAL GROUND ELEV = 110.5

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0" - 9"	O/A	SANDY LOAM	10 YR 3/1	-	-
9" - 24"	B	LOAMY SAND	10 YR 4/6	-	-
24" - 120"	C	SAND	2.5 Y 6/3	COMMON 10YR 5/8	40% GRAVEL

OBSERVED GROUNDWATER - NONE
PERC. RATE @ 45" = <2 MPI
ESTIMATED HIGH GROUNDWATER - 40" (ELEV=107.5)
DATE OF TESTS - 7/21/05
WITNESS, HAROLD GHENEVERT, JR.
TESTING PERFORMED BY: DEAN MONSEES



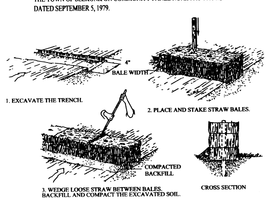
INSPECTION PORT DETAIL
NOT TO SCALE

EROSION & SEDIMENTATION CONTROL

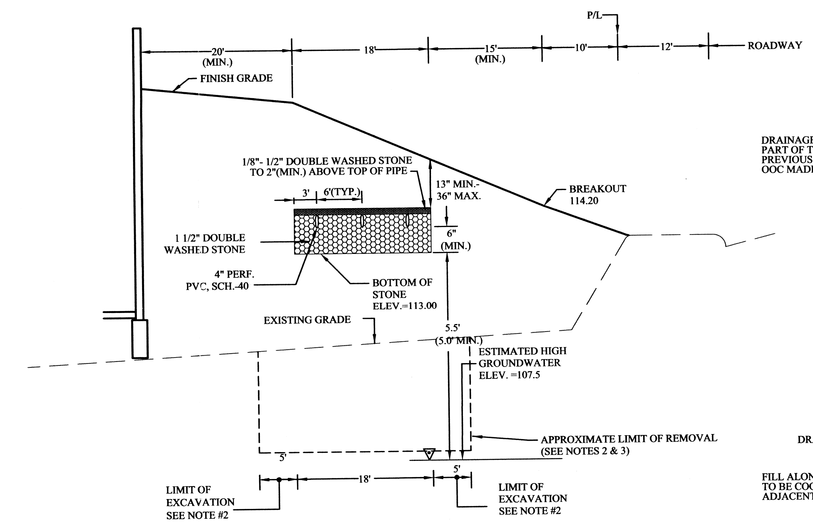
1. ALL PERIMETER EROSION AND SEDIMENTATION CONTROLS MUST BE INSTALLED PRIOR TO THE COMMENCEMENT OF EARTHWORK.
2. ACCESSIBLE RESERVES OF HAY BALES AND STAKES ARE TO BE MAINTAINED ON SITE FOR ROUTINE MAINTENANCE AND IN THE EVENT OF UNANTICIPATED PROBLEMS REQUIRING EMERGENCY RESPONSE.
3. HAY BALES SHOULD 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.
9. THE SPLIT RAIL FENCE SERVES AS THE LIMIT OF LAWN AND FUTURE YARD ACTIVITIES AND SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION.

NOTES:

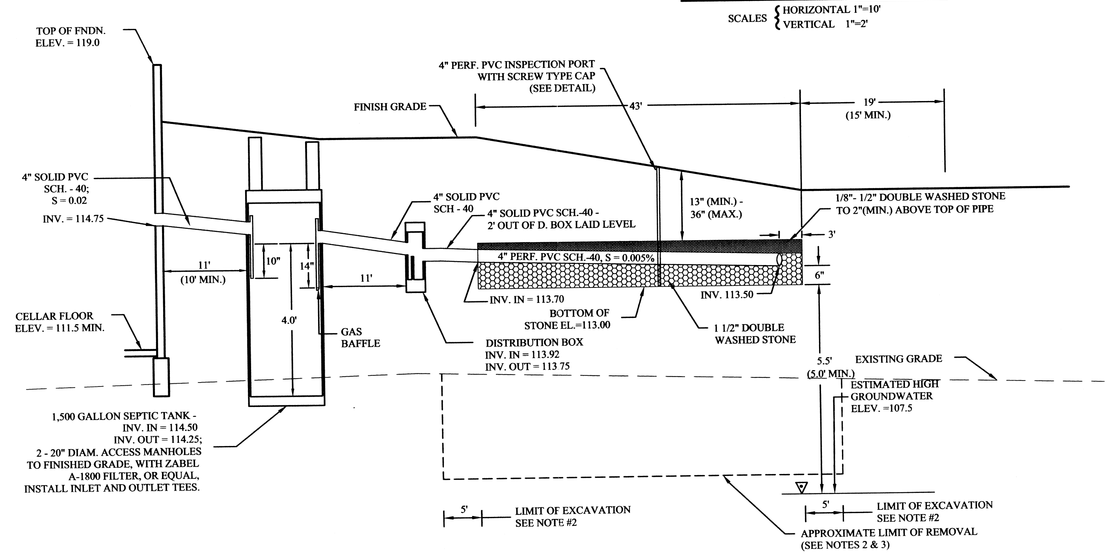
1. MASSACHUSETTS NATURAL HERITAGE AND ENDANGERED SPECIES PROGRAM PRIORITY AND ESTIMATED HABITAT POLYGONS NOT PRESENT WITHIN PROPERTY LIMITS, AS MAPPED IN THE MASSACHUSETTS NATURAL HERITAGE ATLAS, 13TH EDITION.
2. THIS PROPOSED DWELLING DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS SHOWN ON THE FLOOD INSURANCE RATE MAP OF THE TOWN OF SEEKONK ON COMMUNITY PANEL NO. 250063 0005 A, DATED SEPTEMBER 5, 1979.



HAY BALE DETAIL

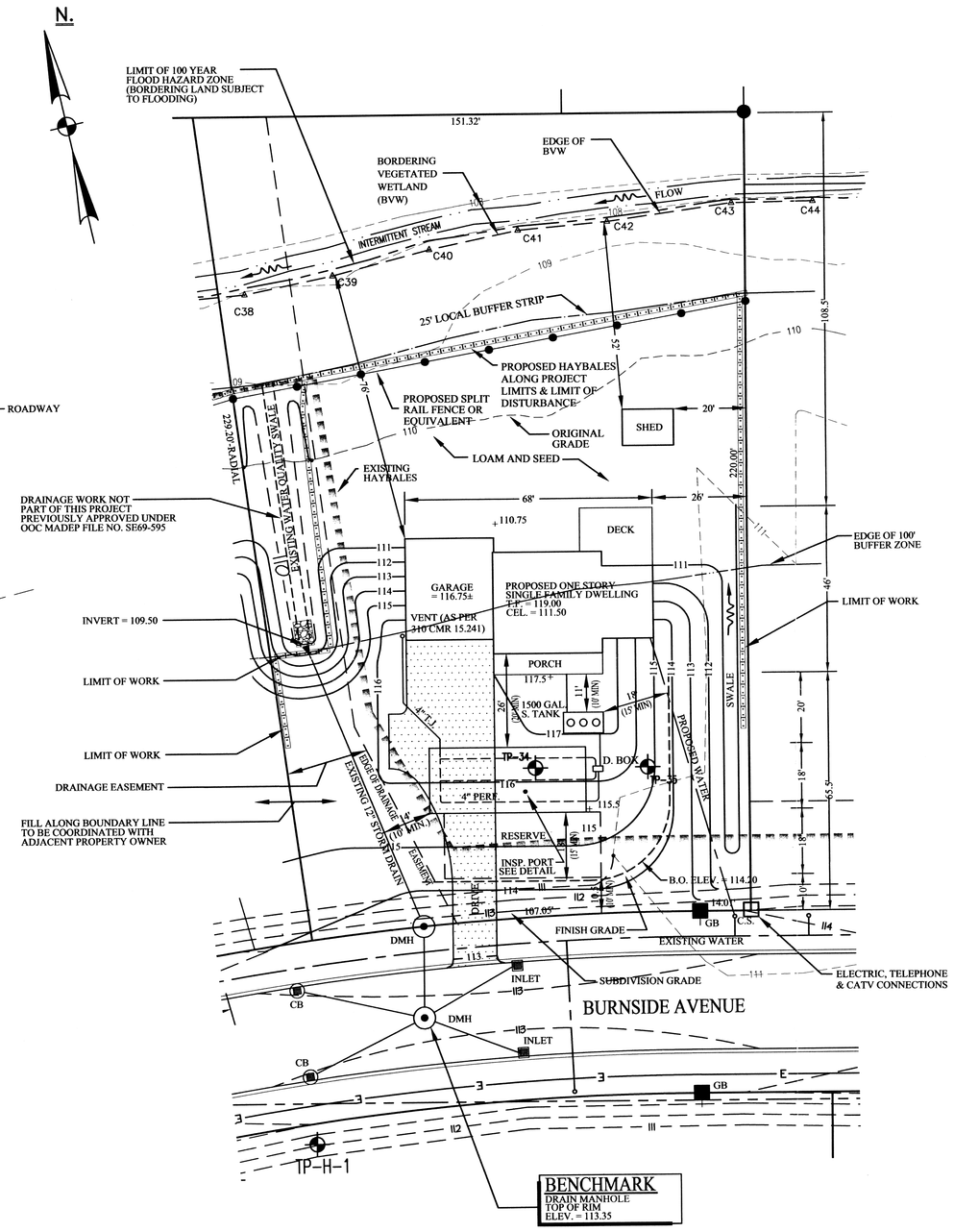


LEACHING FIELD SECTION
SCALES { HORIZONTAL 1"=10' / VERTICAL 1"=2'



ELEV. - 105

LEACHING FIELD PROFILE
SCALES { HORIZONTAL 1"=10' / VERTICAL 1"=2'



PLAN
SCALE: 1" = 20'

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 HORIZONTALLY IN ALL DIRECTIONS, WHERE POSSIBLE. STRIP MATERIAL VERTICALLY 3" MINIMUM INTO THE C HORIZON. REPLACE WITH GRANULAR FILL MEETING THE LATEST SPECIFICATIONS OF 310 CMR 15.255.
3. THE CONTRACTOR IS TO REMOVE ALL UNSUITABLE MATERIAL BELOW THE PROPOSED SOIL ABSORPTION SYSTEM PRIOR TO INSTALLATION. SEE DEEP OBSERVATION HOLES SOIL DATA FOR FURTHER INFORMATION.
4. ALL PIPE TO BE 4" P. V. C. SCHEDULE 40 UNLESS OTHERWISE NOTED.
5. PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK, AND DISTRIBUTION BOX.
6. SOIL TESTING FOR THIS PROJECT WAS PERFORMED BY DEAN MONSEES AND WITNESSED BY THE SEEKONK BOARD OF HEALTH AGENT, HAROLD CHENEVERT, JR. IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION. IF IN DOUBT, ASK.
7. GARBAGE GRINDER IS NOT ALLOWED WITH THIS DESIGN.
8. INLET AND OUTLET TEES FOR SEPTIC TANK ARE TO BE LOCATED DIRECTLY BELOW ACCESS COVERS.
9. SEPTIC TANK AND DISTRIBUTION BOX SHALL BE DESIGNED FOR HS-20-44 LOADING.
10. IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
11. BREAKOUT ELEVATION = 114.20. NO FINISHED GRADE BELOW 114.20 FOR 15 FEET (MINIMUM) FROM THE EDGE OF THE LEACHING AREA.
12. 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.
13. 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.
14. NO EXISTING WATER WELLS WERE FOUND WITHIN 200' OF PROPOSED SEWAGE DISPOSAL SYSTEM ARE SHOWN.
15. MATERIAL AND EQUIPMENT FROM ALTERNATE MANUFACTURERS MAY BE USED IF EQUAL. APPROVAL FOR ALTERNATE MATERIAL AND/OR EQUIPMENT REQUIRED FROM ENGINEER AND THE TOWN PRIOR TO CONSTRUCTION. FULL SPECIFICATIONS FOR ALTERNATE EQUIPMENT MUST BE PROVIDED BY CONTRACTOR.
16. 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.
17. THE DESIGNER EXPRESSLY DISCLAIMS ANY RESPONSIBILITY, FOR THE INSTALLATION AND MAINTENANCE OF THE SYSTEM. IT SHALL BE THE RESPONSIBILITY OF THE INSTALLER TO CONSTRUCT THE SYSTEM IN ACCORDANCE WITH 310 CMR 15.00 AND LOCAL BOARD OF HEALTH REGULATIONS AND THE RESPONSIBILITY OF THE OWNER FOR PROPERLY MAINTAINING THE SYSTEM IN ACCORDANCE WITH 310 CMR 15.00 AND THE LOCAL BOARD OF HEALTH REGULATIONS.
18. REFER TO 310 CMR 15.00 AND THE LOCAL BOARD OF HEALTH REGULATIONS FOR ADDITIONAL INFORMATION CONCERNING THE CONSTRUCTION AND OPERATION OF THE SYSTEM. THE INSTALLER AND OWNER SHOULD REVIEW AND APPLY 310 CMR 15.00 AND THE LOCAL BOARD OF HEALTH REGULATIONS
19. SYSTEM TO BE CONSTRUCTED BY A INSTALLER LICENSED BY THE SEEKONK BOARD OF HEALTH.
20. FILL MEETING THE REQUIREMENTS OF 310 CMR 15.255(3) MUST BE PLACED ON SCARIFIED, RELATIVELY DRY NATURAL SOIL. THE CONTRACTOR SHALL PROVIDE FOR DEWATERING AS REQUIRED AND ALL WORK SHALL BE PERFORMED UNDER DRY CONDITIONS PER 310 CMR 15.255(6). THE DISCHARGE WATER MUST BE FILTERED THROUGH A "DANDY DEWATERING BAG", OR EQUAL, PRIOR TO ENTERING THE PUBLIC ROADWAY STORM DRAINAGE SYSTEM.
21. 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.
22. INSTALL MAGNETIC TAPE OVER ALL PIPE AND SYSTEM COMPONENTS.

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
+ 100.00	FINISHED SPOT GRADE
X 100.00	EXISTING SPOT GRADE
T. C.	TOP OF CURB
B. C.	BOTTOM OF CURB
℄	PROPERTY LINE
-x-CLF-x-	CHAIN LINK FENCE
ST	SEPTIC TANK
DB	DISTRIBUTION BOX
✦	DEEP OBSERVATION HOLE
CB	CATCH BASIN
DMH	DRAIN MANHOLE
GB	GRANITE BOUND

DESIGN DATA

DAILY SEWAGE FLOW
- 4 BEDROOMS
- DAILY FLOW = 110 GAL./BEDROOM = 440 GALLONS PER DAY

SEPTIC TANK REQUIREMENTS
- VOLUME = 2 x DAILY FLOW = 880 GALLONS
- 1,500 GALLON SEPTIC TANK

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 = 0 SQUARE FEET (FIELD)
  - BOTTOM AREA = 18' x 43' = 774 SQUARE FEET
- TOTAL LEACHING AREA = 774 SQUARE FEET
- TOTAL LEACHING CAPACITY = 774 S. F. x 0.74 GAL/DAY/S.F. = 573 GAL./DAY > 440 GPD

Received
OCT 09 2008
Con. Comm.

69-641

I CERTIFY THAT I HAVE CONTACTED THE SEEKONK WATER DISTRICT FOR THE LOCATION OF THE EXISTING WATER SERVICE CURB STOP TO PLAT 38 - LOT 171 AND IT IS AS SHOWN. THE WATER SERVICE SHOWN ON THIS PLAN IS IN ACCORDANCE WITH THE RULES AND AND REGULATIONS OF THE SEEKONK WATER DISTRICT.

LOT INFORMATION

ASSESSORS PLAT NO. 38
LOT 171
OWNER:
BRIAN LASALLE
228 BURNSIDE AVENUE
SEEKONK, MASSACHUSETTS 02771
DEED BOOK 17456 - PAGE 37
AREA = 30,290 S.F.
ZONE: R-2

COMMONWEALTH OF MASSACHUSETTS
ALLAN C. SHEAR
CIVIL
No. 35290
PROFESSIONAL ENGINEER

REV. OCTOBER 7, 2008

SEWAGE DISPOSAL SYSTEM
PREPARED FOR
BRIAN J. LASALLE
ASSESSORS PLAT 38 - LOT 171
228 BURNSIDE AVENUE
SEEKONK, MASSACHUSETTS

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

DATE: AUGUST 25, 2008
SHEET: 1