

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.

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 AT LEAST 3" INTO THE C-2 HORIZON, 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. REPLACE WITH GRANULAR FILL MEETING THE LATEST SPECIFICATIONS OF 310CMR15.255(3).
- 3) ALL PIPE TO BE 4" P.V.C. SCHEDULE 40. ALL STRUCTURES AND CASTINGS TO BE RATED FOR H-20 LOADING.
- 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 = 54.15. NO FINISHED GRADE BELOW 54.15 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 INLET AND OUTLET TEES FOR THE PROPOSED SEPTIC TANK ARE TO BE LOCATED DIRECTLY BELOW THE ACCESS MANHOLE.
- 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 ZABEL A-100 FILTER, OR EQUAL IS TO BE INSPECTED TWICE A YEAR AND CLEANED ANNUALLY BY A LICENSED SEPTAGE HANDLER.

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 - TRENCH SYSTEM
 PERCOLATION RATE = 5 MINUTES PER INCH - DESIGN FOR 5 MINUTES PER INCH - SOIL TEXTURE CLASS - 1
 EFFLUENT LOADING RATE = 0.74 GALLONS PER SQUARE FOOT
 SIDE AREA = N.A.
 BOTTOM AREA = 30' LONG X 24' WIDE = 720 SQUARE FEET
 TOTAL LEACHING AREA = 720 S.F. x 0.74 GAL./DAY/S.F. = 532 GAL./DAY > 440 GPD
 TOTAL LEACHING CAPACITY = 720 S.F. x 0.74 GAL./DAY/S.F. = 532 GAL./DAY > 440 GPD

DEEP OBSERVATION HOLES

DEEP OBSERVATION HOLE "4-1" LOG

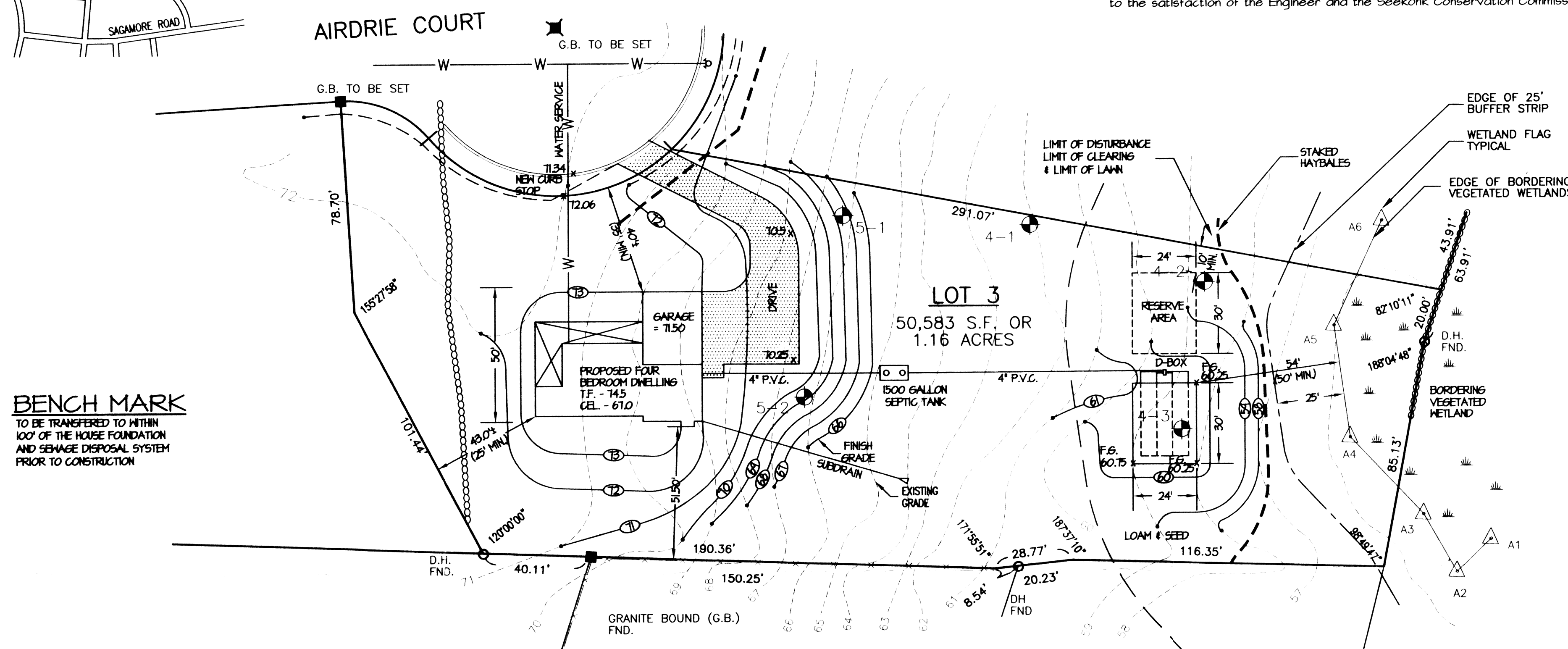
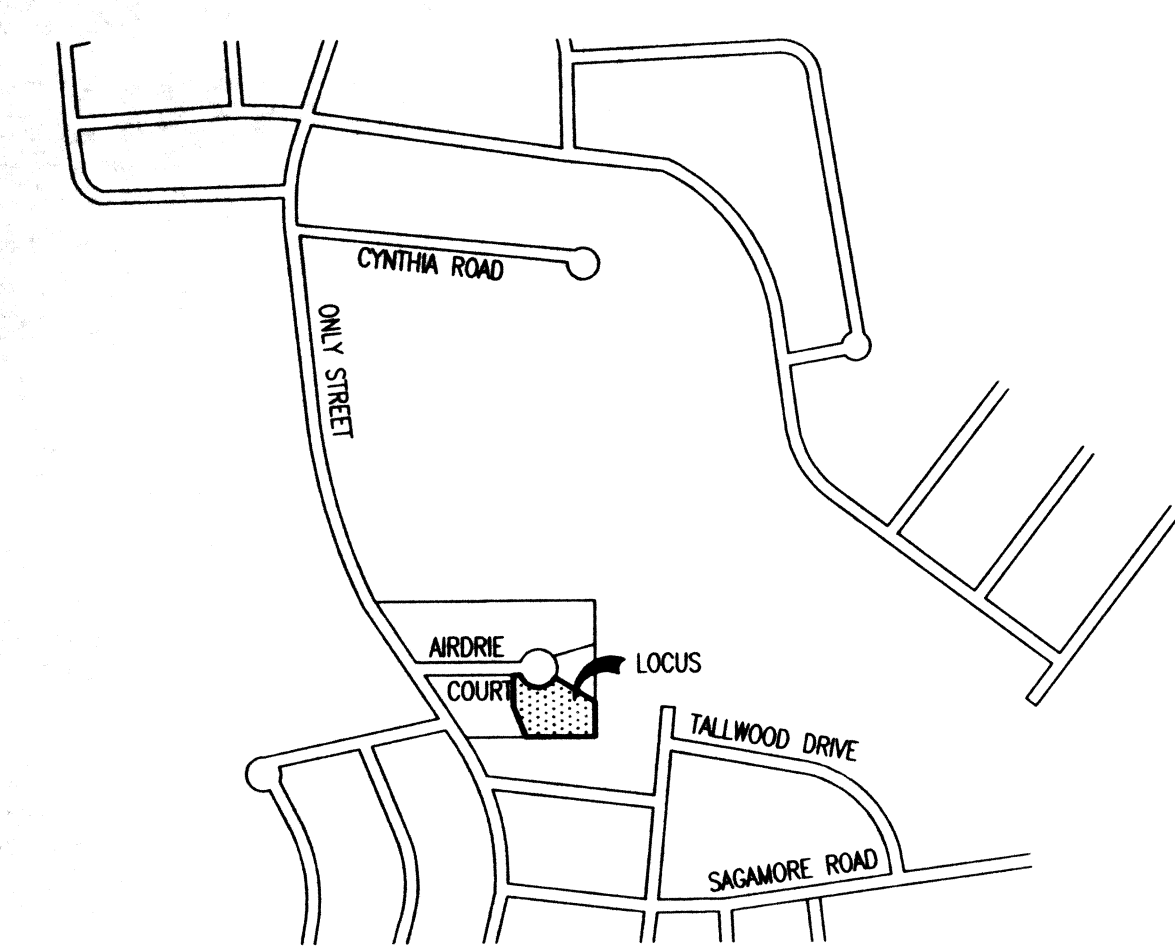
DEPTH	DESCRIPTION	PERC. RATE	DATE	WATER DEPTH	EST. HIGH GWL	WITNESS	PERFORMED BY	DATE	WITNESS	READ BY
0	ORIGINAL ELEVATION 62.0									
0'	A FINE SANDY LOAM 10 YR 3/3 2" ORGANIC LAYER AT SURFACE, FRIABLE	N/A	N/A	N/A	80' (ELEV. - 55.3)	MR. CHENEVERT	CAPUTO AND WICK	12/04/98	MR. CHENEVERT	CAPUTO AND WICK
4'	Bw1 FINE SANDY LOAM 10 YR 6/8 VERY FRIABLE, < 5% GRAVEL	N/A	N/A	N/A						
24'	Bw2 VERY FINE SANDY LOAM 10 YR 2/1 FRIABLE, VARIEGATED COLOR - 5 YR 5/8 MOTTLING: MANY 10 YR 6/8	N/A	N/A	N/A						
60'	C1 GRAVELLY LOAMY FINE SAND 10 YR 5/3 DENSE, COMPACT, 5% STONES AND BOULDERS	N/A	N/A	N/A						
114'	C2 BEDROCK	N/A	N/A	N/A						

DEEP OBSERVATION HOLE "4-2" LOG

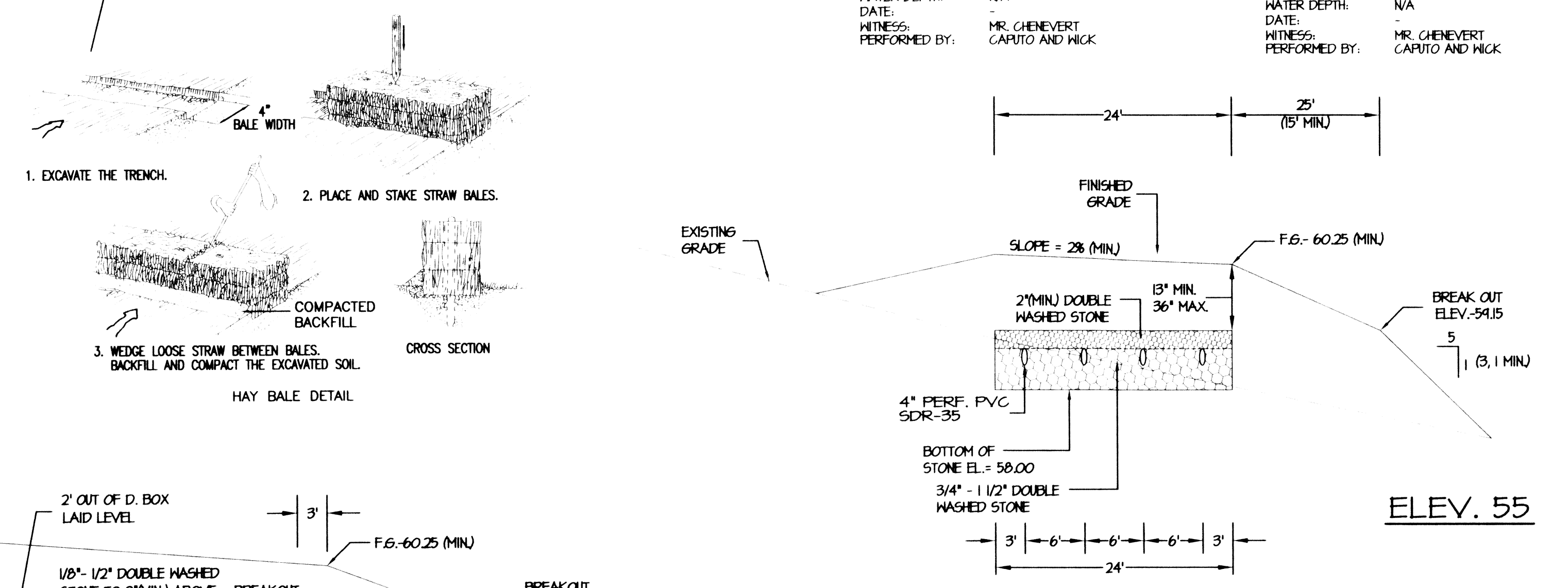
DEPTH	DESCRIPTION	PERC. RATE	DATE	WATER DEPTH	EST. HIGH GWL	WITNESS	PERFORMED BY	DATE	WITNESS	READ BY
0	ORIGINAL ELEVATION 54.0									
0'	Oe HEAVY LOAM, 10 YR 2/2 VERY FRIABLE, LEAFY ROOTS	5 MINUTES PER INCH	12/04/98	NONE	60' (ELEV. - 54.0)	MR. CHENEVERT	CAPUTO AND WICK	12/04/98	MR. CHENEVERT	CAPUTO AND WICK
3'	A LOAMY FINE SAND 10 YR 3/3 FRIABLE, FEW SURFACE BOULDERS									
9'	Bw1 LOAMY FINE SAND 10 YR 4/6 FRIABLE, FEW ROOTS									
16'	B2 LOAMY FINE SAND 25 Y 6/4 FRIABLE, FEW ROOTS									
28'	C1 LOAMY FINE SAND 25 Y 6/1 FRIABLE, FEW STONES VARIEGATED COLORS, 15 YR 5/8 AT 64"									
64'	C2 LOAMY VERY FINE SAND 25 Y 6/2 FRIABLE NO COARSE FRAGMENTS									
100'	MOTTLING: MANY 25 Y 6/1 FEW 10 YR 6/8									

DEEP OBSERVATION HOLE "4-3" LOG

DEPTH	DESCRIPTION	PERC. RATE	DATE	WATER DEPTH	EST. HIGH GWL	WITNESS	PERFORMED BY	DATE	WITNESS	READ BY
0	ORIGINAL ELEVATION 58.5									
0'	Oe HEAVY LOAM, 10 YR 2/2 VERY FRIABLE, LEAFY ROOTS	5 MINUTES PER INCH	12/04/98	NONE	56' (ELEV. - 53.83)	MR. CHENEVERT	CAPUTO AND WICK	12/04/98	MR. CHENEVERT	CAPUTO AND WICK
3'	A LOAMY FINE SAND 10 YR 3/3 FRIABLE, FEW SURFACE BOULDERS									
8'	Bw1 LOAMY FINE SAND 10 YR 4/6 FRIABLE, FEW ROOTS									
13'	Bw2 LOAMY FINE SAND 25 Y 6/4 FRIABLE, FEW ROOTS									
25'	C1 LOAMY FINE SAND 25 Y 6/1 FRIABLE, VARIEGATED COLORS THROUGHOUT LAYER, 10 YR 5/8 MOTTLING: COMMON 10 YR 6/1									
51'	C2 VERY FINE SAND 25 Y 6/2 FRIABLE									
46'	MOTTLING: 25 Y 6/1 FEW 10 YR 6/8									



PLAN

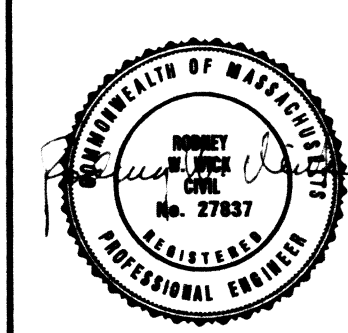


LEACHING FIELD PROFILE

NOTE:
 THE INSTALLATION OF A SUMP PUMP PIT LOCATED IN THE BASEMENT FLOOR IS RECOMMENDED.

LEGEND

- 100- EXISTING CONTOUR
- MA STD. PROPOSED CONTOUR
- INV. MASSACHUSETTS STANDARD 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.S. 100x00 FINISHED SPOT GRADE
- 100x00 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
- D.O.H. DEEP OBSERVATION HOLE
- EXISTING EDGE OF WOODS



SEWAGE DISPOSAL SYSTEM
JAMES and GAIL FEENEY
AIRDRIE COURT
SEEKONK, MASSACHUSETTS

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

DATE: JANUARY 17, 2001
 SHEET: 1 OF 1

ELEV. 55

SCALE: HORIZONTAL 1"=10'
 VERTICAL 1"=2'

69-459

ASSESSORS PLAT 6
 PART OF LOT 64
 RECORD LOT 3
 AREA = 50,583 S.F. OR 1.16 ACRES
 ZONE: R-2