

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, 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 = 60.20. NO FINISHED GRADE BELOW 60.20 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.

DESIGN DATA

DAILY SEWAGE FLOW
 PROPOSED BEDROOMS = THREE
 DAILY FLOW = 110 GAL./DAY/BEDROOM x 3 BEDROOMS = 330 GALLONS PER DAY

SEPTIC TANK REQUIREMENTS
 VOLUME = 2 x DAILY FLOW = 660 GALLONS - MINIMUM SIZE = 1500 GALLONS

LEACHING AREA REQUIREMENTS - TRENCH SYSTEM
 PERCOLATION RATE = 4 MINUTES PER INCH - DESIGN FOR 5 MINUTES PER INCH - SOIL TEXTURE CLASS - I
 EFFLUENT LOADING RATE = 0.74 GALLONS PER SQUARE FOOT
 SIDE AREA = N.A.
 BOTTOM AREA = 38' LONG X 18' WIDE = 684 SQUARE FEET
 TOTAL LEACHING AREA = 684 SQUARE FEET
 TOTAL LEACHING CAPACITY = 684 S.F. x 0.74 GAL./DAY/S.F. = 506 GAL./DAY > 330 GPD

DEEP OBSERVATION HOLES

DEEP OBSERVATION HOLE "3-6" LOG

0'	0e	HEMIC LOAM, 10 YR 2/2 VERY FRIABLE, LEAFY SOME SURFACE BOULDERS
3'	A	VERY FINE SANDY LOAM 10 YR 3/3 MASSIVE, FRIABLE, < 5% GRAVEL
16'	Bw1	VERY FINE SANDY LOAM 10 YR 6/8 MASSIVE, FRIABLE, < 5% GRAVEL
27'	B2	FINE SANDY LOAM 25 Y 6/4 MASSIVE, FRIABLE, < 5% GRAVEL
30'	C1	LOAMY FINE SAND 25 Y 6/2 MASSIVE, FRIABLE, < 5% GRAVEL, VARIATED COLORS AT 46" - 5 YR 5/8
52'	C2	STRATIFIED FINE TO COARSE SANDS AND GRAVEL 10 YR 4/1 MASSIVE, SANDS AND GRAVEL - LOOSE, VERY FINE SANDS - FRIABLE, MOTTLING - 25 Y 6/1 MANY 25 Y 5/2
120'	C3	SILTY FINE TO COARSE SAND AND GRAVEL GLEYED 5/10 B 10% GRAVEL WITH SOME COBBLES, MASSIVE FRIABLE STICKY MOTTLING - GLEYED

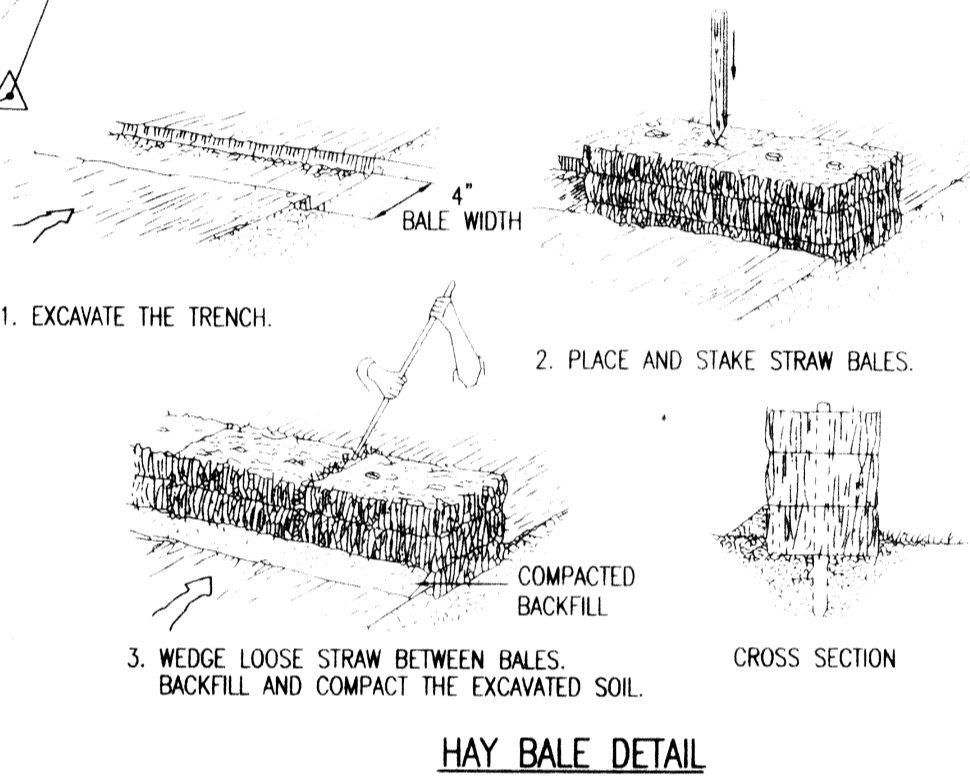
DEEP OBSERVATION HOLE "4-4" LOG

0'	0e	HEMIC LOAM, 10 YR 3/3 MASSIVE VERY FRIABLE, FEW SURFACE BOULDERS < 5% GRAVEL
1'	A	FINE SANDY LOAM 10 YR 3/2 MASSIVE, FRIABLE, < 5% GRAVEL
12'	Bw1	FINE SANDY LOAM 10 YR 6/8 MASSIVE, FRIABLE, < 5% GRAVEL
20'	Bw2	FINE SANDY LOAM 10 YR 6/4 MASSIVE, FRIABLE, < 5% GRAVEL
24'	C1	LOAMY FINE TO MEDIUM SAND 25 Y 6/3 MASSIVE, FRIABLE, < 5% GRAVEL, MOTTLING - 15 YR 5/8 MANY
60'	C2	SILT, VERY FINE SAND 25 Y 5/2 FEW MASSIVE, FRIABLE, < 5% GRAVEL, MOTTLING - 25 Y 6/1 MANY 25 Y 5/2
120'	C3	SILTY FINE TO COARSE SAND AND GRAVEL GLEYED 5/10 B 10% GRAVEL WITH SOME COBBLES, MASSIVE FRIABLE STICKY MOTTLING - GLEYED

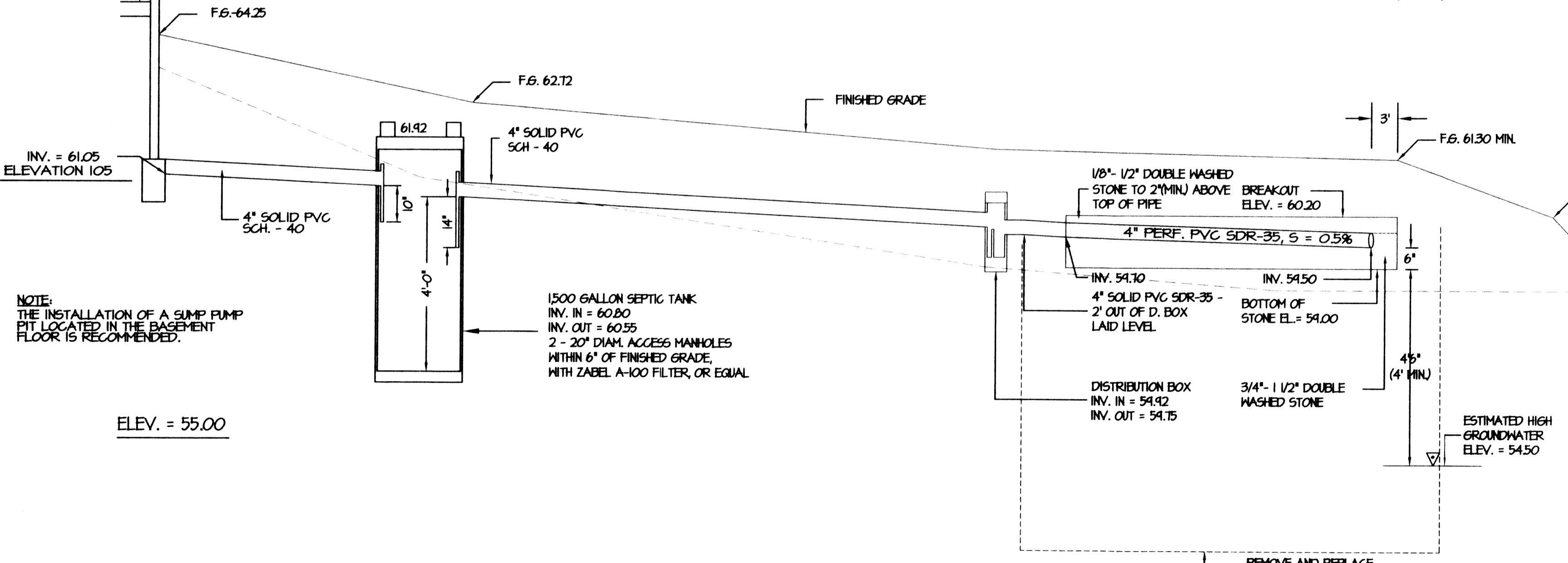
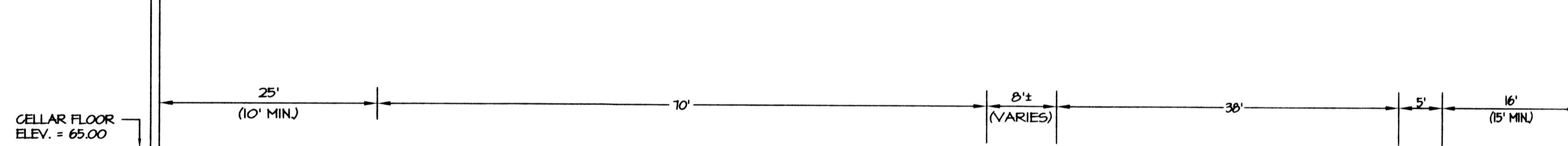
DEEP OBSERVATION HOLE "4-5" LOG

0'	0e	HEMIC LOAM, 10 YR 3/2 MASSIVE VERY FRIABLE, FEW SURFACE BOULDERS < 5% GRAVEL
4'	A	FINE SANDY LOAM 10 YR 3/2 MASSIVE, FRIABLE, < 5% GRAVEL
12'	Bw1	FINE SANDY LOAM 10 YR 6/8 MASSIVE, FRIABLE, < 5% GRAVEL
21'	Bw2	FINE SANDY LOAM 10 YR 6/4 MASSIVE, FRIABLE, < 5% GRAVEL
28'	C1	LOAMY FINE TO MEDIUM SAND 25 Y 6/2 MASSIVE, FRIABLE, < 5% GRAVEL, MOTTLING - FEW 15 YR 5/8 MANY
48'	C2	STRATIFIED SANDS & GRAVEL 10 YR 4/1 VARIATED COLOR AT 48" 5 YR 5/8, LOOSE
84'	C3	SILTY, VERY FINE SAND 25 Y 4/1

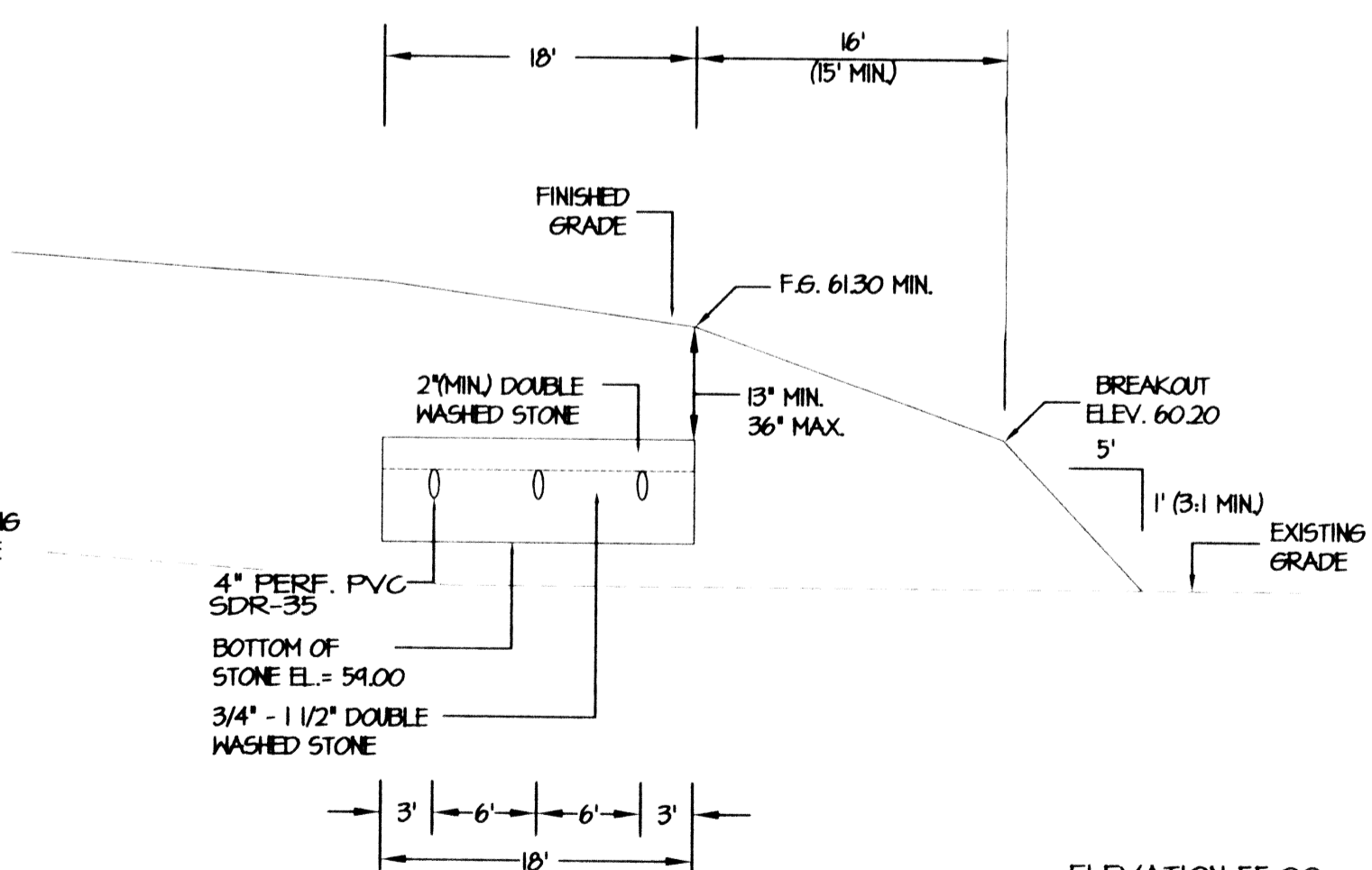
PERC. DEPTH:	46"	PERC. DEPTH:	80"
PERC. RATE:	2 MINUTES PER INCH	PERC. RATE:	4 MINUTES PER INCH
DATE:	8/3/99	DATE:	8/03/99
WATER DEPTH:	84"	WATER DEPTH:	NONE
EST. HIGH GW:	60"	EST. HIGH GW:	50"
WITNESS:	MR. CHENEVERT	WITNESS:	MR. CHENEVERT
PERFORMED BY:	CAPUTO AND WICK	PERFORMED BY:	CAPUTO AND WICK
WATER DEPTH:	HEEPING @ 66"	WATER DEPTH:	N/A
DATE:	8/03/99	DATE:	8/03/99
EST. HIGH GW:	50"	EST. HIGH GW:	216/99
WITNESS:	MR. CHENEVERT	WITNESS:	MR. CHENEVERT
PERFORMED BY:	CAPUTO AND WICK	PERFORMED BY:	CAPUTO AND WICK
WATER DEPTH:	N/A	WATER DEPTH:	N/A
DATE:	8/03/99	DATE:	2/16/99
WITNESS:	MR. CHENEVERT	WITNESS:	MR. CHENEVERT
PERFORMED BY:	CAPUTO AND WICK	PERFORMED BY:	CAPUTO AND WICK



BENCH MARK
 TO BE TRANSFERRED TO WITHIN 100' OF THE HOUSE FOUNDATION AND SEWAGE DISPOSAL SYSTEM PRIOR TO CONSTRUCTION



LEACHING FIELD PROFILE
 SCALE: HORIZONTAL 1"=10'
 VERTICAL 1"=2'

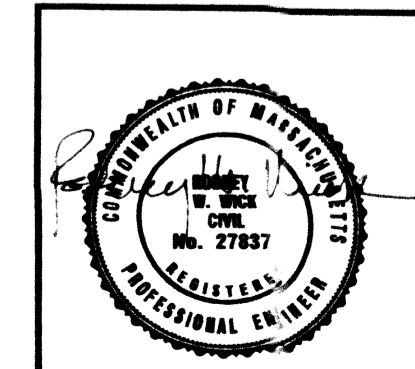


LEACHING FIELD SECTION
 SCALE: HORIZONTAL 1"=10'
 VERTICAL 1"=2'

LEGEND

- 100- (100) EXISTING CONTOUR
- MA. STD. PROPOSED CONTOUR
- IN V. INV. MASSACHUSETTS STANDARD
- P. V. C. INVERT OF PIPE
- S. D. R. POLY-VINYL CHLORIDE PIPE
- R. C. P. STANDARD DIMENSION RATIO
- C. CONC. REINFORCED CONCRETE PIPE
- BIT. CONCRETE (BIT. OR P. C.)
- P. C. BITUMINOUS PORTLAND CEMENT
- TYP. TYPICAL
- F.G. 100x100 FINISHED SPOT GRADE
- 100x100 EXISTING SPOT GRADE
- T. C. TOP OF CURB
- B. C. BOTTOM OF CURB
- E. PROPERTY LINE
- X-GLF-X- SEPTIC TANK
- ST DISTRIBUTION BOX
- DB DEEP OBSERVATION HOLE
- D.O.H. EXISTING EDGE OF WOODS

Received
 OCT 30 2000
 Con. Comm. *Final* 69-446



SEWAGE DISPOSAL SYSTEM
 NEAL & LINDA RAPP
 AIRDRIE COURT
 SEEKONK, MASSACHUSETTS

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

DATE: 9/20/00
 SHEET: 1 OF 1

REV: OCTOBER 30, 2000