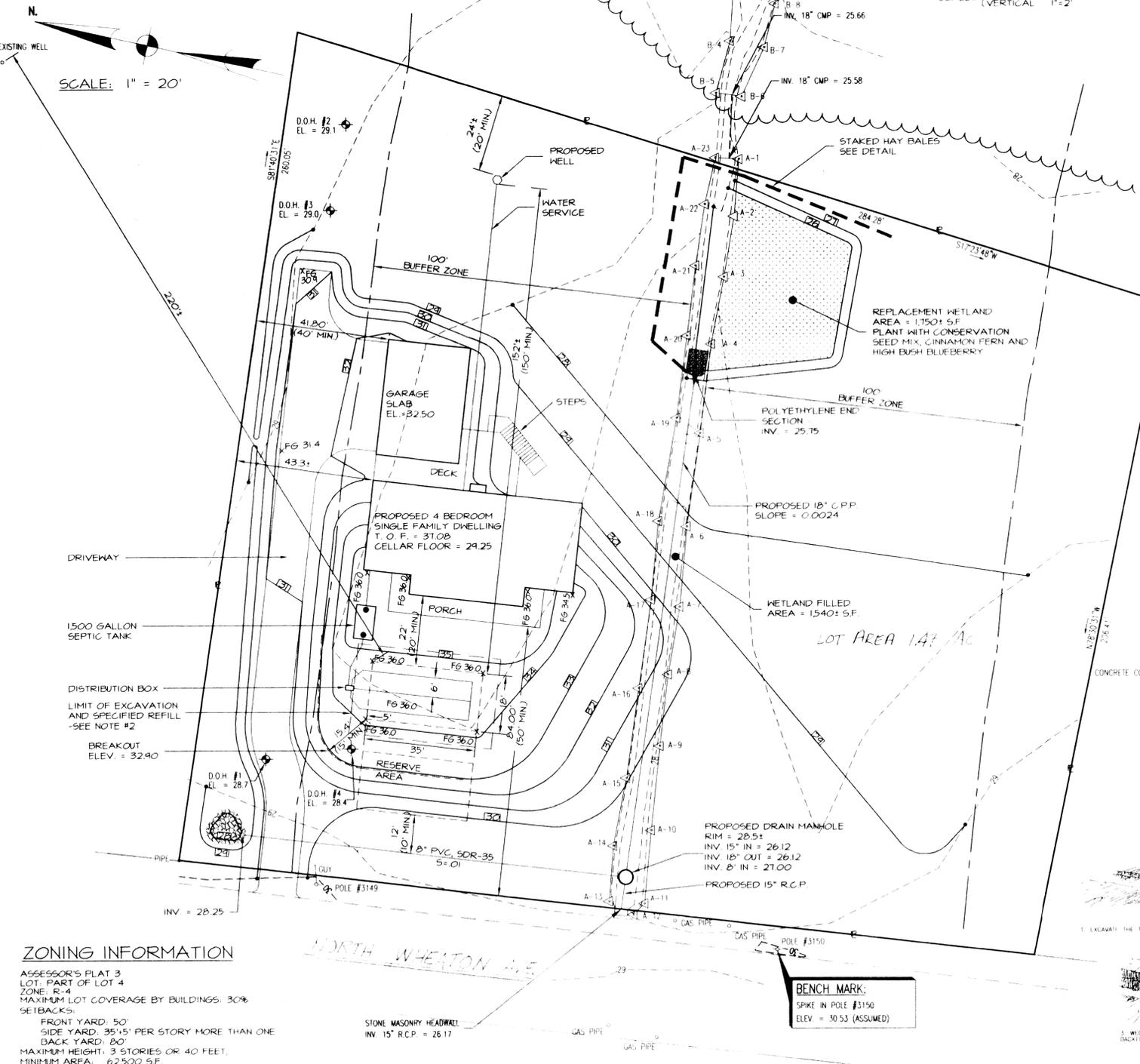
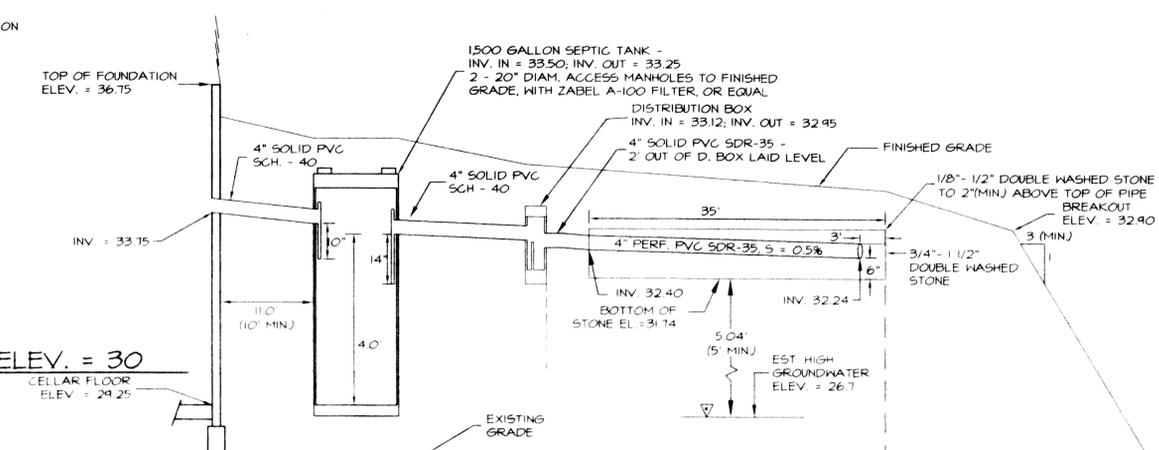
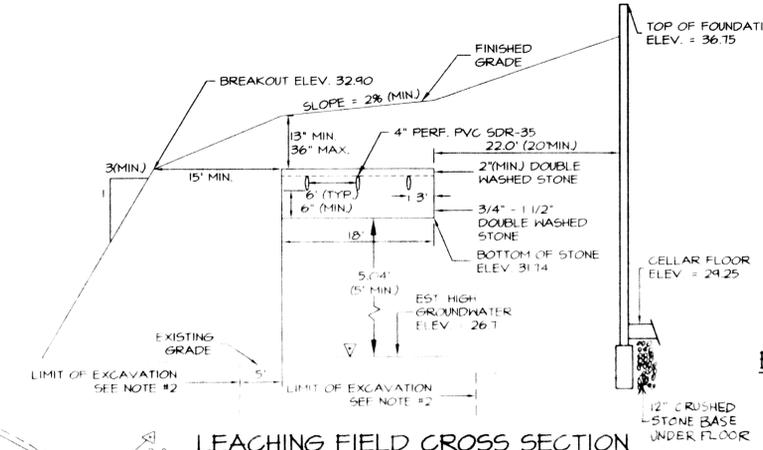


NOTES:

- 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 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 = 32.90. NO FINISHED GRADE BELOW 32.90 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 15.241. ACTUAL STONE MATERIAL MAY ALSO BE SUBJECT TO APPROVAL BY THE DESIGN ENGINEER AND/OR SEEKONK HEALTH AGENT.
- 12) SOIL TESTING FOR HOLE 1, 2, 3 WERE PERFORMED BY KARL DROWN AND WITNESSED BY MR. CHENEVERT, SEEKONK BOARD OF HEALTH. CAPUTO AND WICK LTD. IS NOT RESPONSIBLE FOR THE ACCURACY OF THIS DESIGN INFORMATION.



LEACHING FIELD CROSS SECTION

LEACHING TRENCH PROFILE

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 - I
 EFFLUENT LOADING RATE = 0.74 GAL. PER S. F.
 SIDE AREA = SQUARE FEET (FIELD)
 BOTTOM AREA = 35' x 18' = 630 SQUARE FEET
 TOTAL LEACHING AREA = 630 SQUARE FEET
 TOTAL LEACHING CAPACITY = 630 S. F. x 0.74 GAL./DAY/S. F.
 TOTAL LEACHING CAPACITY = 466 GAL./DAY > 440 GPD

DEEP OBSERVATION HOLE "1" LOG ORIGINAL GRADE - 28.7

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0' - 14"	A	SANDY LOAM	10 YR 3/2		
14" - 30"	B	SANDY LOAM	10 YR 5/8		
30" - 48"	C1	SILT LOAM	10 YR 7/1		46" MANY, COARSE, FROM.
48" - 108"	C2	SAND	10 YR 6/2		
108" - 114"	C3	SAND	10 YR 7/3		

OBSERVED GROUNDWATER - 24"
 ESTIMATED HIGH GROUNDWATER - 24" (EL. = 26.7)
 TESTING PERFORMED BY: KARL DROWN R.S.
 WITNESS: MR. CHENEVERT, SEEKONK BOARD OF HEALTH

DEEP OBSERVATION HOLE "2" LOG ORIGINAL GRADE - 29.1

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0' - 10"	A	SANDY LOAM	10 YR 3/2		
10" - 18"	B	LOAMY SAND	10 YR 1/6		
18" - 46"	C1	SAND	10 YR 7/1		21" MANY COARSE, FROM. 5 YR 5/8

OBSERVED GROUNDWATER - 46"
 ESTIMATED HIGH GROUNDWATER - 24" (EL. = 26.8)
 TESTING PERFORMED BY: KARL DROWN R.S.
 WITNESS: MR. CHENEVERT, SEEKONK BOARD OF HEALTH

DEEP OBSERVATION HOLE "3" LOG ORIGINAL GRADE - 29.0

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0' - 10"	A	SANDY LOAM	10 YR 3/2		
10" - 18"	B	LOAMY SAND	10 YR 1/6		
18" - 40"	C1	SAND	10 YR 7/1		36" MANY COARSE, FROM. 5 YR 5/8

OBSERVED GROUNDWATER - 48"
 ESTIMATED HIGH GROUNDWATER - 36" (EL. = 26.0)
 TESTING PERFORMED BY: KARL DROWN R.S.
 WITNESS: MR. CHENEVERT, SEEKONK BOARD OF HEALTH

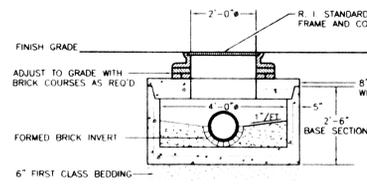
DEEP OBSERVATION HOLE "4" LOG ORIGINAL GRADE - 28.4

DEPTH	HORIZON	TEXTURE	COLOR	MOTTLING	OTHER
0' - 8"	A0	SANDY LOAM	10 YR 3/3		MASSIVE, FRIABLE
8" - 24"	B0	LOAMY SAND	10 YR 4/4		22" MANY COARSE, SINGLE GRAIN, WEAK FRIABLE
24" - 42"	C01	SILT LOAM	5 Y 5/2		25 Y 4/2
42" - 108"	C2	MED. SAND	25 Y 4/2		SINGLE GRAIN, WEAK FRIABLE, SINGLE GRAIN, LOOSE

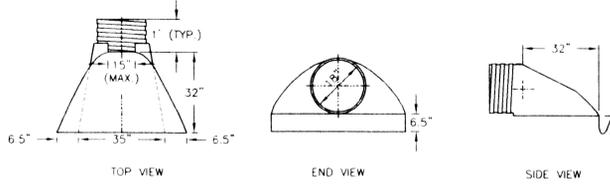
OBSERVED GROUNDWATER - 50"
 ESTIMATED HIGH GROUNDWATER - 22" (EL. = 26.5)
 TESTING PERFORMED BY: CAPUTO AND WICK LTD.
 WITNESS: MR. CHENEVERT, SEEKONK BOARD OF HEALTH

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.



STORM MANHOLE DETAIL



POLYETHYLENE END SECTION DETAILS

ZONING INFORMATION

ASSESSOR'S PLAT 3
 LOT: PART OF LOT 4
 ZONE: R-4
 MAXIMUM LOT COVERAGE BY BUILDINGS: 30%
 SETBACKS:
 FRONT YARD: 50'
 SIDE YARD: 35'-5" PER STORY MORE THAN ONE
 BACK YARD: 80'
 MAXIMUM HEIGHT: 3 STORIES OR 40 FEET
 MINIMUM AREA: 62,500 S.F.

BENCH MARK:
 SPIKE IN POLE #3150
 ELEV. = 30.53 (ASSUMED)

LEGEND

- 100- EXISTING CONTOUR
- 100- PROPOSED CONTOUR
- MA. STD. MASSACHUSETTS STANDARD
- INV. INVERT OF PIPE
- P. V. C. POLYVINYL CHLORIDE PIPE
- C. P. P. CORRUGATED POLYETHYLENE PIPE
- S. D. R. STANDARD DIMENSION RATIO
- R. C. P. REINFORCED CONCRETE PIPE
- CONC. CONCRETE (BIT. OR F. C.)
- BIT. BITUMINOUS
- P. C. PORTLAND CEMENT
- TYP. TYPICAL
- FG. 100X00 FINISHED SPOT GRADE
- 100X00 EXISTING SPOT GRADE
- E. PROPERTY LINE
- SEPTIC TANK
- DISTRIBUTION BOX
- DEEP OBSERVATION HOLE
- WETLAND FLAG (TYPICAL)



SEWAGE DISPOSAL SYSTEM
 NORTH WHEATON AVE
 GEORGE LOPES
 SEEKONK, MASSACHUSETTS

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

69-424

DATE: OCT., 1999
 SHEET: 1 OF 1