

Figure 5-3 Placement and Construction of a Straw Bale Barrier
Adapted from: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut

DEEP OBSERVATION HOLE #1 LOG					
DEPTH	SOIL HORIZON	SOIL TEXTURE	SOIL COLOR	SOIL MOTTLING	OTHER
0-12"	Ap	COARSE LOAMY SAND	10 YR 3/3		LOOSE, FRIABLE
12"-24"	Bw	COARSE LOAMY SAND	7.5 YR 4/6		LOOSE, FRIABLE
24"-36"	C ₁	COARSE SAND	10 YR 5/4		LOOSE, SINGLE GRAIN
36"-120"	C ₂	MEDIUM SAND	2.5 Y 6/3	MANY, COARSE 7.5YR 4/6	LOOSE, SINGLE GRAIN

DATE OF TEST - APRIL 24, 1996 REMOVE TO Bw HORIZON OBSERVED GROUNDWATER AT 78" - 5/6/96
OBSERVED GROUNDWATER AT 96" ESTIMATED HIGH GROUNDWATER - 68"
PERCOLATION TEST - UNABLE TO SATURATE - USE 2 MINUTES PER INCH

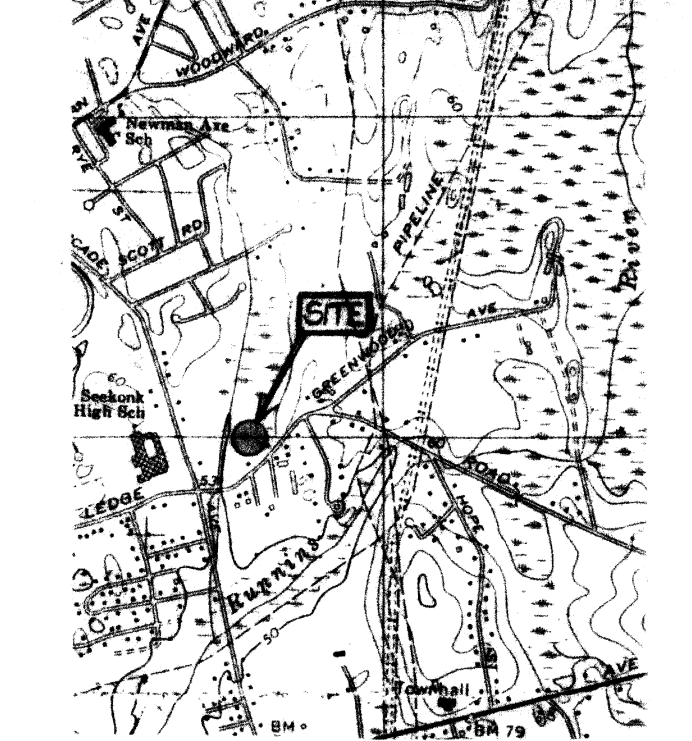
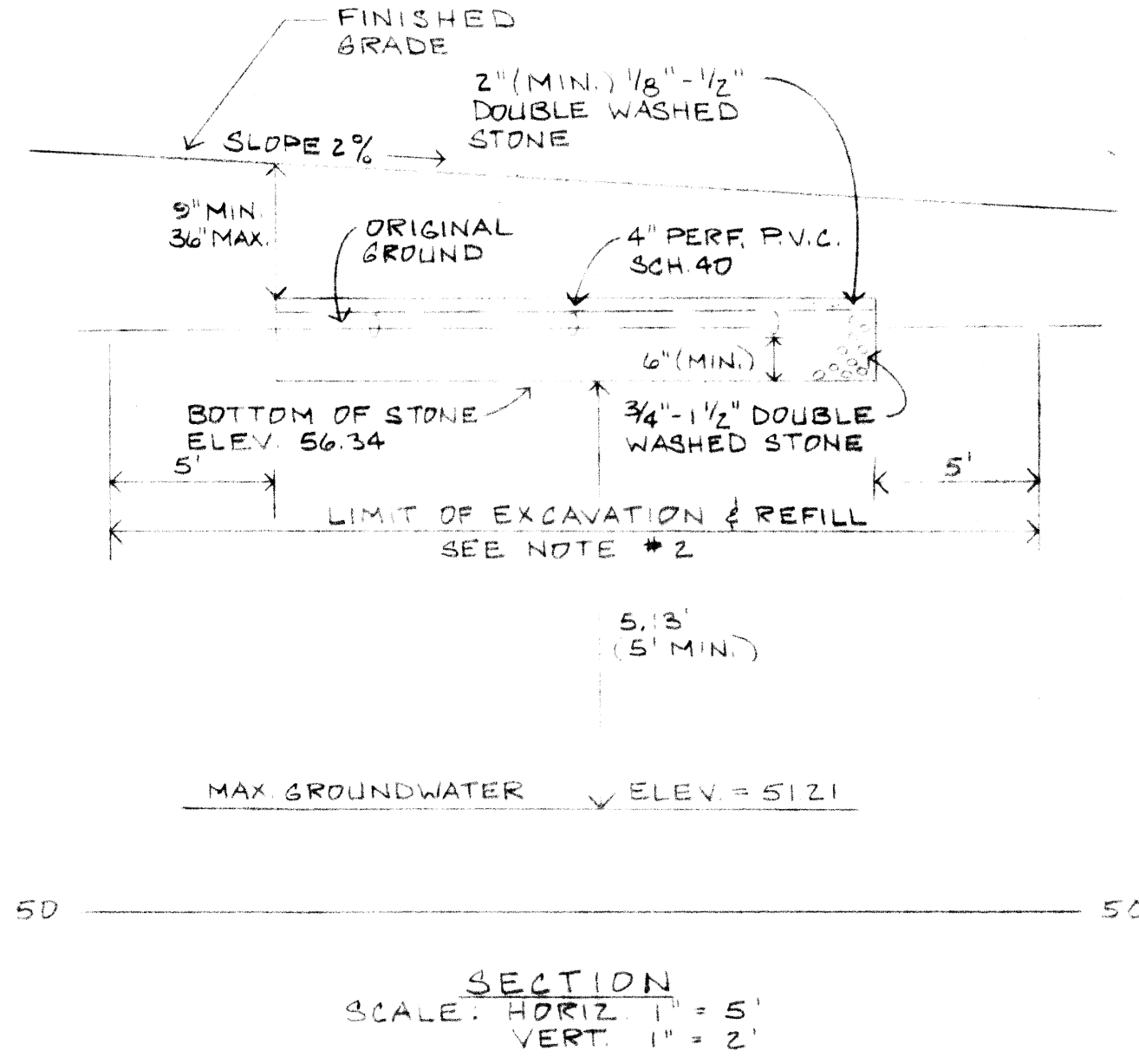
DEEP OBSERVATION HOLE #2 LOG					
DEPTH	SOIL HORIZON	SOIL TEXTURE	SOIL COLOR	SOIL MOTTLING	OTHER
0-11"	Ap	LOAMY SAND	10 YR 3/3		LOOSE, FRIABLE
11"-21"	Bw	COARSE LOAMY SAND	7.5 YR 4/6		LOOSE, FRIABLE
21"-36"	C ₁	COARSE SAND	10 YR 5/4		LOOSE, SINGLE GRAIN
36"-108"	C ₂	MEDIUM - COARSE SAND	2.5 Y 6/3	MANY, COARSE 7.5YR 5/8	LOOSE, SINGLE GRAIN

DATE OF TEST - APRIL 24, 1996 REMOVE TO Bw HORIZON OBSERVED GROUNDWATER - NONE TO 78" - 5/6/96
OBSERVED GROUNDWATER AT 83" ESTIMATED HIGH GROUNDWATER - 83"
PERCOLATION TEST - UNABLE TO SATURATE - USE 2 MINUTES PER INCH
WITNESS: HAROLD CHENEVERT, JR. - TOWN OF SEEKONK SOIL TESTING PERFORMED BY: ALLAN L. SHEAR - SOIL EVALUATOR

- EROSION AND SEDIMENTATION CONTROL**
- All perimeter erosion and sedimentation controls must be installed prior to the commencement of earthwork.
 - 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.
 - Hay bales should be installed in accordance with the details provided.
 - 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.
 - No stones, brush, construction debris, litter, or other materials are to be deposited on the wetland side of the erosion and sedimentation controls.
 - All disturbed soils not designated for other surface treatment are to be loamed and seeded immediately following final grading.
 - Appropriate precautions should be taken to prevent the transport of soil offsite from construction equipment.
 - 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.
 - NO PORTION OF LOT 17 LIES WITHIN THE 100 YEAR FLOOD HAZARD ZONE AS SHOWN ON THE FLOOD INSURANCE RATE MAP.

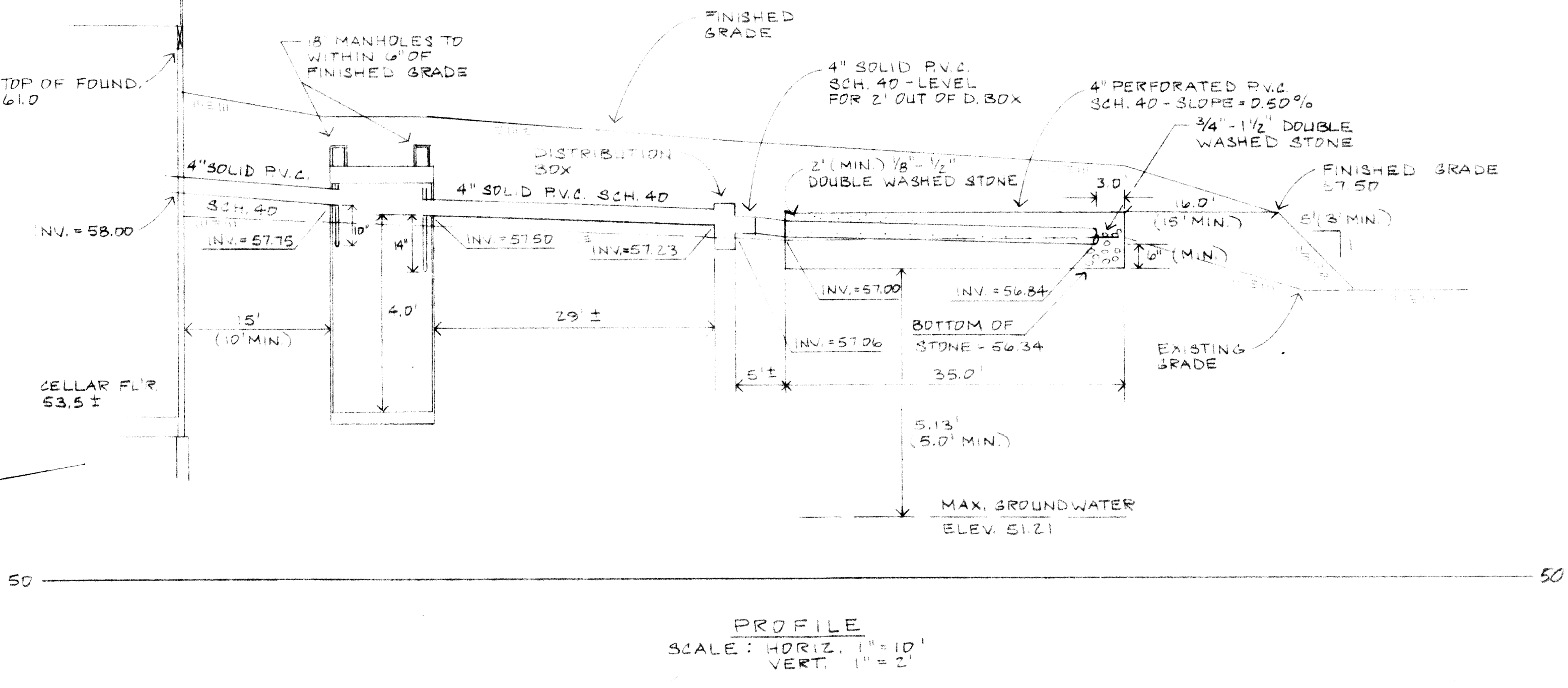
- NOTES:**
- ALL WORK SHALL CONFORM TO THE 310 CMR 15.00 STATE ENVIRONMENTAL CODE TITLE 5 AND THE RULES AND REGULATIONS OF THE REHOBOTH BOARD OF HEALTH.
 - STRIP ALL TOPSOIL AND SUBSOIL (O, A, & B HORIZONS) AND ANY OTHER IMPERVIOUS OR SPECIFIED SOIL IN THE AREA OF THE SYSTEM AND 5 FEET BEYOND IN ALL DIRECTIONS WHERE POSSIBLE. REPLACE WITH GRAVEL MEETING LATEST SPECIFICATIONS OF 310 CMR 15.255(3).
 - ALL PIPE TO BE 4" P. V. C. SCHEDULE 40 UNLESS OTHERWISE NOTED.
 - PLACE 6" MINIMUM COMPACTED CRUSHED STONE UNDER SEPTIC TANK AND DISTRIBUTION BOX.
 - IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION.
 - GARBAGE GRINDER IS NOT ALLOWED WITH THIS DESIGN.

DESIGN DATA
DAILY SEWAGE FLOW
 EXISTING BEDROOMS = FOUR
 DAILY FLOW = 110 GALLONS/DAY/BEDROOM X 4 BEDROOMS = 440 GALLONS PER DAY
SEPTIC TANK REQUIREMENTS
 VOLUME = 2 X DAILY FLOW = 660 GALLONS
 MINIMUM SIZE = 1,500 GALLONS
LEACHING AREA REQUIREMENTS
 PERCOLATION RATE: MIN/INCH
 SOIL TEXTURE & CLASS I - EFFLUENT LOADING RATE = 0.74 GALLON PER SQUARE FOOT
 SIDEWALL AREA = 0 FOR LEACHING 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. = 466 GAL/DAY > 440 GPD



LEGEND

- 100.00 --- EXISTING CONTOUR
- 100.00 --- PROPOSED CONTOUR
- INV. --- INVERT OF PIPE
- P.V.C. --- POLYVINYL CHLORIDE PIPE
- SCH. --- SCHEDULE
- BIT. --- BITUMINOUS
- TYP. --- TYPICAL
- F.G. 100.00 --- FINISHED SPOT GRADE
- 100.00 --- EXISTING SPOT GRADE
- WETLAND DELINEATION FLAG
- EROSION CONTROL DEVICE
- WATER MAIN
- TOP OF FOUNDATION



69-355

SEWAGE DISPOSAL SYSTEM
 ROBERT AND KIMBERLY PROVAZZA
 LEDGE ROAD
 SEEKONK, MASSACHUSETTS

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

DATE: JUNE 12, 1996
 SHEET: 1 OF 1