

**TEST PIT NO. 2 (ORIG. GR. = 76.1)**  
 0-17" TOPSOIL AND SUBSOIL (REMOVE)  
 17"-36" GRAY FINE SAND SILT  
 36"-96" PACKED SILTY SAND AND GRAVEL  
 96"-112" TIGHT TILL  
 PERCOLATION RATE - 10 MPI AT 44"  
 GROUNDWATER AT 30" - 2/1/95 (73.6)  
 GROUNDWATER AT 36" - 6/4/96 (73.1)

**TEST PIT NO. 3 (ORIG. GR. = 75.8)**  
 0-24" TOPSOIL AND SUBSOIL (REMOVE)  
 24"-89" VERY SILTY SAND  
 89"-114" HARD PACKED SILTY SAND  
 PERCOLATION RATE - 11 MPI AT 41"  
 GROUNDWATER AT 38" - 2/1/95 (72.6)  
 GROUNDWATER AT 40" - 6/4/96 (72.5)

**TEST PIT NO. 4 (ORIG. GR. = 76.6)**  
 0-24" TOPSOIL AND SUBSOIL (REMOVE)  
 24"-72" SILTY SAND  
 72"-114" PACKED SILTY SAND  
 PERCOLATION RATE - 10 MPI AT 48"  
 GROUNDWATER AT 32" - 2/1/95 (73.9)  
 GROUNDWATER AT 43" - 6/4/96 (73.0)

DATE OF TEST - SEPTEMBER 6, 1994 WITNESS: MR. CIGNEVERT, SEEKONK BOARD OF HEALTH TESTING PERFORMED BY: GORDON WOLF

- 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 GRAVEL MEETING LATEST SPECIFICATIONS OF 310 CMR 15.25(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 IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION.
  - 5) GARBAGE GRINDER IS NOT ALLOWED WITH THIS DESIGN.
  - 6) IT IS RECOMMENDED THAT THE SEPTIC TANK BE INSPECTED TWICE A YEAR, AND BE CLEANED WHEN THE SOLIDS EQUAL ONE THIRD THE LIQUID DEPTH.
  - 7) BREAKOUT ELEVATION = 79.25. NO FINISHED GRADE BELOW 79.25 FOR 15 FEET (MINIMUM) FROM EDGE OF LEACHING AREA.

**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 = 880 GALLONS  
 MINIMUM SIZE = 1,500 GALLONS

**LEACHING AREA REQUIREMENTS**  
 PERCOLATION RATE = 11 MINUTES PER INCH - DESIGN FOR 15 MINUTES PER INCH  
 SOIL TEXTURE & CLASS III - EFFLUENT LOADING RATE = 0.37 GALLON PER SQUARE FOOT  
 SIDEWALL AREA = 0 SQUARE FEET (FIELD)  
 BOTTOM AREA = 50' X 25' = 1250 SQUARE FEET  
 TOTAL LEACHING AREA = 1250 SQUARE FEET  
 TOTAL LEACHING CAPACITY = 1250 S.F. X 0.37 GAL/DAYS/F.F. = 463 GAL/DAY > 440 GPD

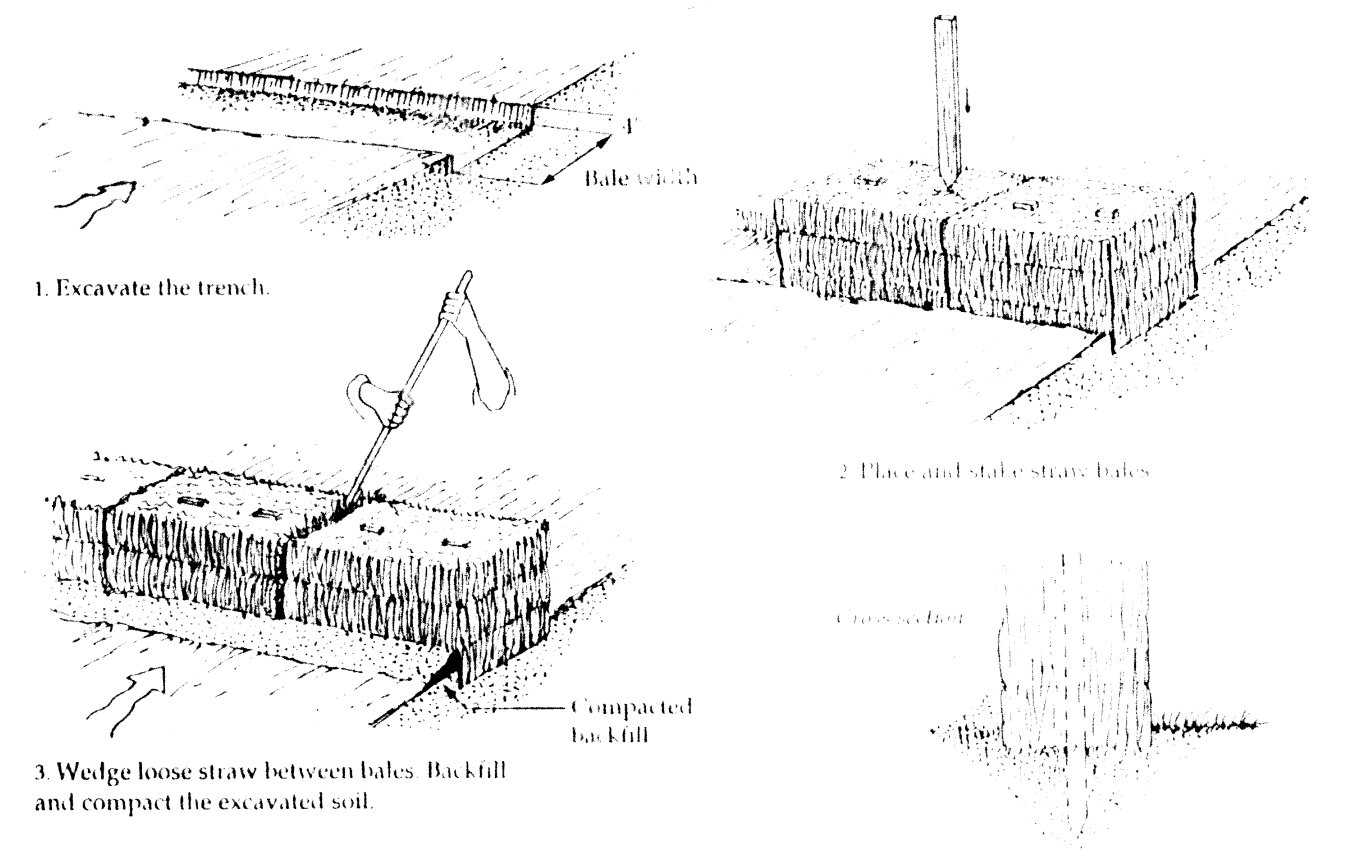
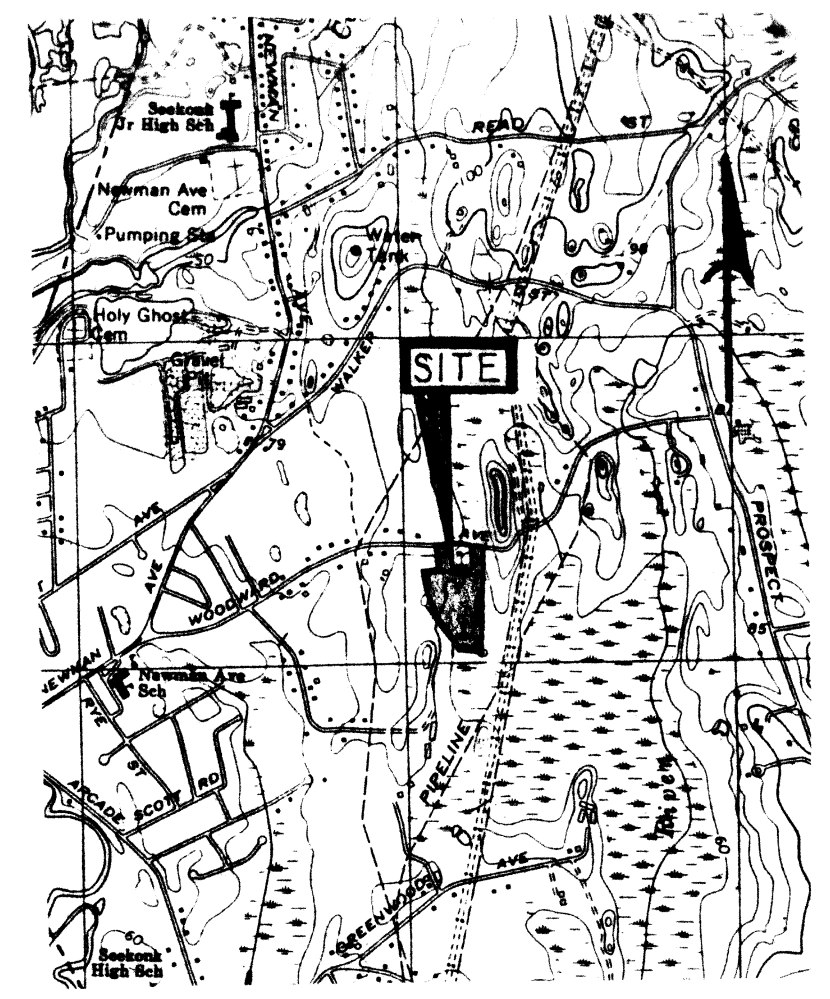


Figure 5-3 Placement and Construction of a Straw Bale Barrier  
 Adapted from: U.S. Department of Agriculture, Soil Conservation Service, Storm Control Manual

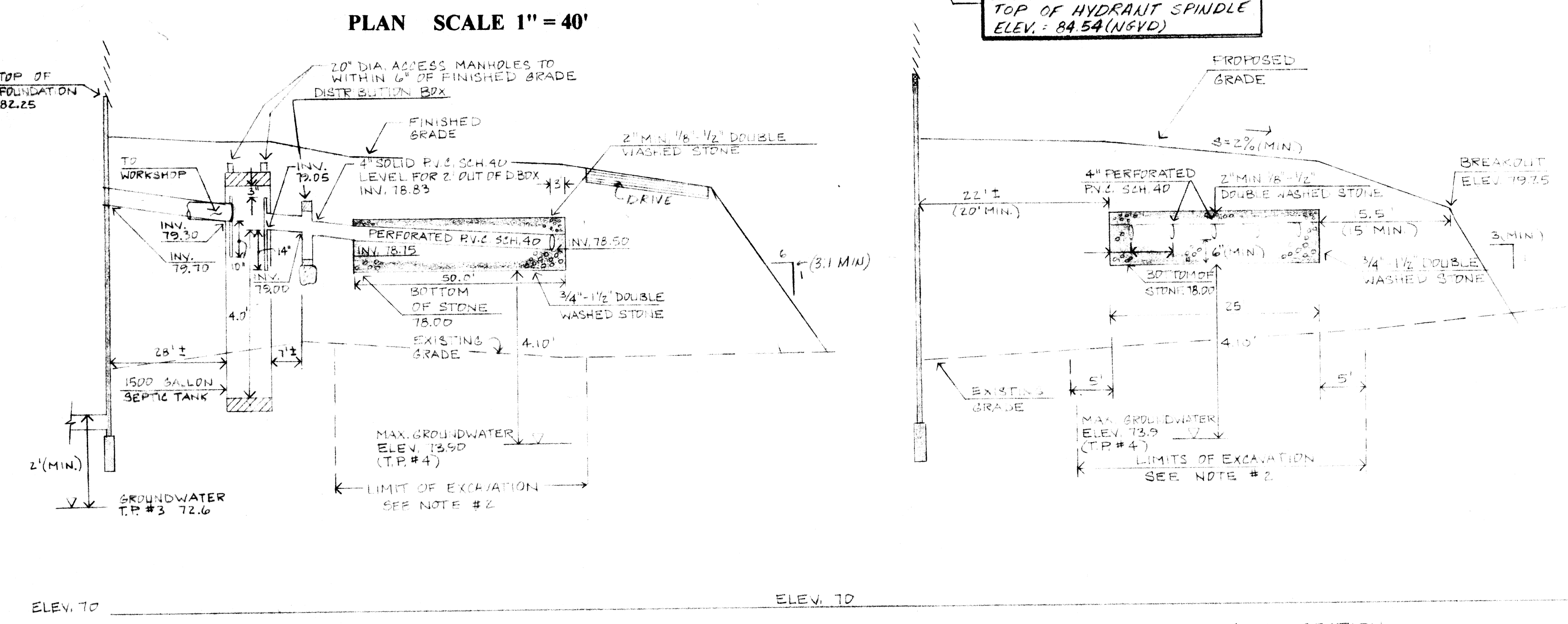
**EROSION CONTROL DEVICE DETAIL**

**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 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 Rehoboth Conservation Commission.



**LOCUS MAP**  
 SCALE 1" = 2000'

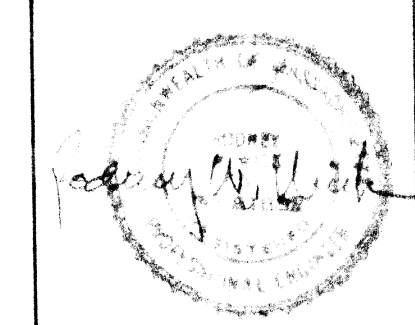


**PROFILE**  
 SCALE: HORIZ. 1" = 20'  
 VERT. 1" = 2'

**CROSS SECTION**  
 SCALE: HORIZ. 1" = 10'  
 VERT. 1" = 2'

**LEGEND**

---	100	EXISTING CONTOUR
---	11001	PROPOSED CONTOUR
---	INV	INVERT OF PIPE
---	P.V.C	POLYVINYL CHLORIDE PIPE
---	SCH	SCHEDULE
---	TYP	TYPICAL
---	F.G 100.00	FINISHED SPOT GRADE
---	100.00	EXISTING SPOT GRADE
---	T.O.F	TOP OF FOUNDATION
---	TP	TEST PIT
---	ED	EROSION CONTROL DEVICE
---	WF	WETLAND FLAG
---	L.B.Z	LIMIT OF BUFFER ZONE
---	EW	EDGE OF WOODS
---	EW	EDGE OF WATER
---	ESW	EXISTING STONE WALL
---	PL	PROPERTY LINE



SEWAGE DISPOSAL SYSTEM AND SITE PLAN  
 THOMAS D SILLS AND  
 JOAN M BACKES-SILLS  
 WOODWARD AVENUE  
 SEEKONK, MASSACHUSETTS

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

DATE REV. 3/87  
 4/19/94  
 SHEET 1051

EXHIBIT "A"

69-363