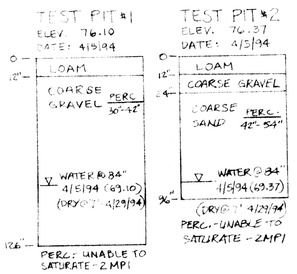
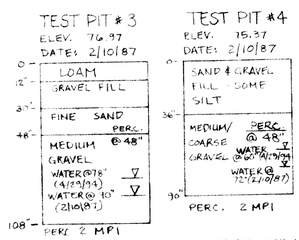




ALL SOIL TESTS BY CAPUTO AND WICK, LTD.
TEST PITS 1 & 2 WITNESSED BY MR. CHENEVERT
TEST PITS 3 & 4 WITNESSED BY MR. MELLO

SEWAGE DISPOSAL SYSTEM NOTES:

1.) ALL WORK SHALL CONFORM TO THE 310 CMR 15.00 STATE ENVIRONMENTAL CODE TITLE 5 RULES AND REGULATIONS AND THE RULES AND REGULATIONS OF THE LOCAL BOARD OF HEALTH.

2.) 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).

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.

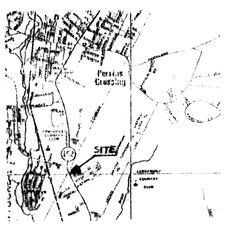
5. IF CONDITIONS ENCOUNTERED DURING CONSTRUCTION VARY SUBSTANTIALLY FROM THOSE SHOWN ON THIS PLAN, NOTIFY CAPUTO AND WICK, LTD. BEFORE PROCEEDING WITH CONSTRUCTION.

DESIGN DATA

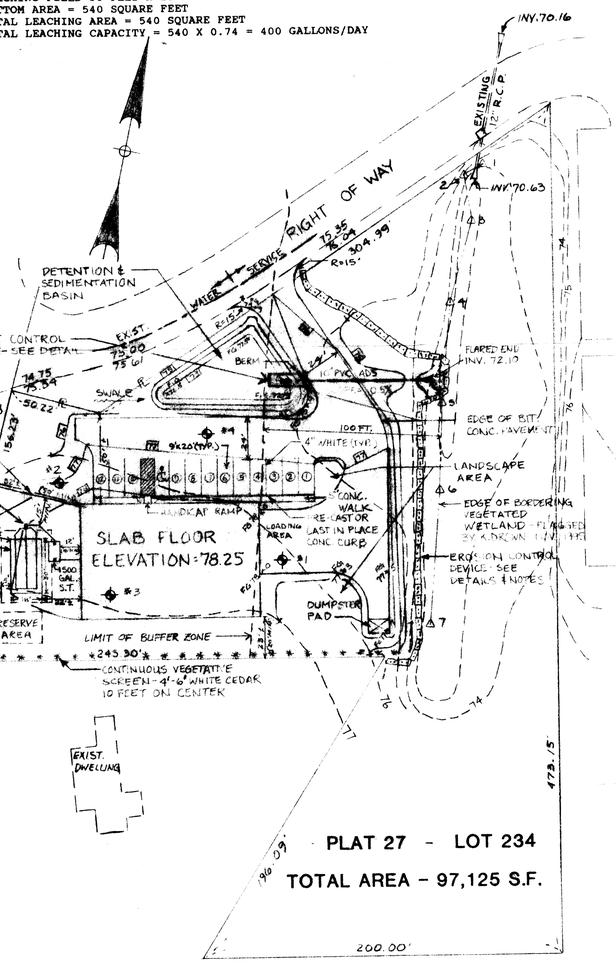
DAILY SEWAGE FLOW
75 GALLONS/1,000 S.F./DAY (OFFICE)
2,500 S. F. X 75 (GAL/DAY)/1,000 = 188 GALLONS PER DAY
15 GALLONS/PERSON/DAY (FACTORY)
10 WORKERS X 15 GALLONS/DAY = 150 GALLONS/DAY
TOTAL DAILY SEWAGE FLOW = 188 + 150 = 338 GALLONS/DAY

SEPTIC TANK REQUIREMENTS
338 GALLONS PER DAY X 2 = 676 GALLONS
USE 1,500 GALLON MINIMUM

LEACHING AREA REQUIREMENTS
PERCOLATION RATE (ACTUAL) 2 MIN./INCH (DESIGN) 5 MIN./INCH
SOIL TEXTURE & CLASS SAND - CLASS I
EFFLUENT LOADING RATE 0.74 GALLONS/SQUARE FOOT/DAY
USE - LEACHING FIELD 30 FEET X 18 FEET
BOTTOM AREA = 540 SQUARE FEET
TOTAL LEACHING AREA = 540 SQUARE FEET
TOTAL LEACHING CAPACITY = 540 X 0.74 = 400 GALLONS/DAY

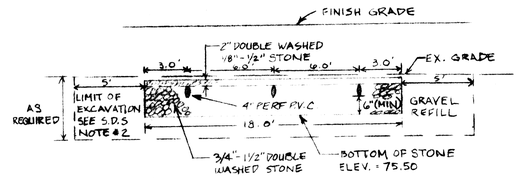


LOCUS MAP

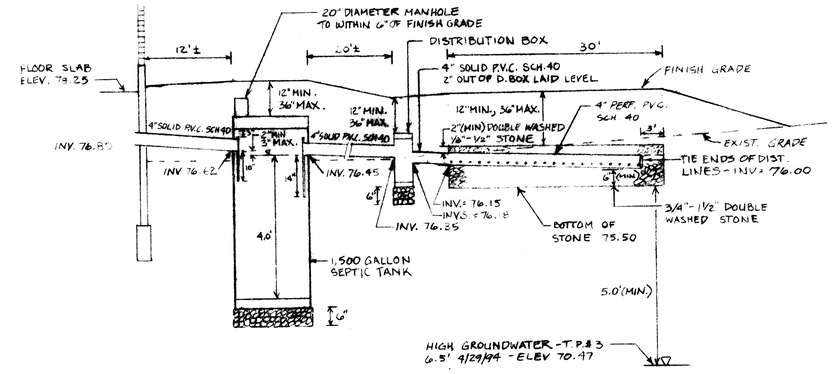


100	EXISTING CONTOUR
100	PROPOSE CONTOUR
C.T.	HANDICAP RAMP
F.G. 100.0	COPPER TUBING (TYPE K)
100 x 0	FINISH SPOT GRADE
R.C.P.	EXISTING SPOT GRADE
P.V.C.	REINFORCED CONCRETE PIPE
ADS	POLYVINYL CHLORIDE PIPE
INV.	ADVANCED DRAINAGE SYSTEM
Δ4	INVERT ELEVATION
BIT. CONC.	WETLAND FLAG
SCH. 40	BITUMINOUS CONCRETE
PERF	SCHEDULE 40
	PERFORATED PIPE
	TEST PIT
	POLE
	CATCH BASIN

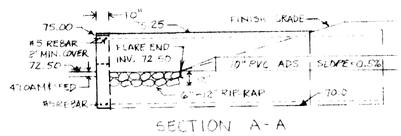
SCALE 1" = 40'



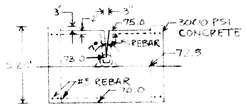
LEACHING FIELD CROSS SECTION
SCALES { HORIZ. 1" = 5' VERT. 1" = 2'



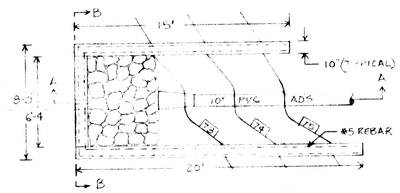
PROFILE
SCALES { HORIZ. 1" = 10' VERT. 1" = 2'



SECTION A-A



SECTION B-B



DETAIL - OUTLET CONTROL DEVICE
SCALE 1" = 5'

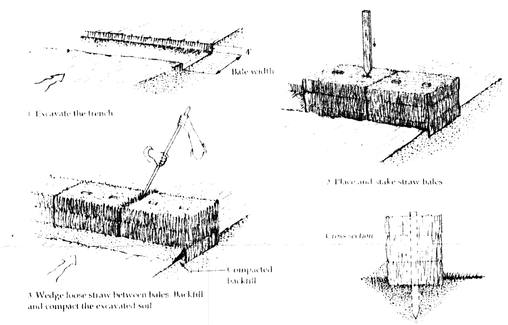


Figure 5.3 Placement and Construction of a Straw Bale Barrier
Adapted from: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut

GENERAL NOTES:

1.) All work and materials to conform with the Massachusetts Department of Public Works Standard Specifications for Highways and Bridges (1988) with latest addenda/revisions and the local Seekonk Standards.

2.) Underground utility locations are based on record data and are considered to be approximate. Contact "Dig-Safe" and/or local utilities for actual location prior to excavating.

3.) Install and maintain erosion controls in all areas required to prevent siltation.

4.) Install M. D. P. W. Standard 1-1/2" bituminous binder (Modified), and 1-1/2" bituminous surface course (Type I-1) over 12" of gravel borrow in area designated for pavement.

5.) Install 4" of loam and seed in all areas disturbed by construction and not designated for other surface treatment. Install in conformance with M. D. P. W. Standard Specification for Highways and Bridges (1988) with latest addenda/revisions. Use Grassplots and Island seed mix, except where slopes are 3:1 or steeper use Slopes and Shoulders seed mix.

PARKING REQUIREMENTS

One parking space per employee
3 Office employees + 9 Factory employees = 12 Employees
12 Parking Spaces proposed plus 1 handicapped spaces

LANDSCAPING REQUIREMENTS

Landscaping area requirements - 20 % of paved area
Proposed pavement area - 12,894 Square Feet
Landscaped area - 2,580 Square Feet (Minimum)
Landscaping to meet the requirements of Section 10.5 (Parking Lot Layout)
- Town of Seekonk Zoning By-Laws

GROUNDWATER AQUIFER PROTECTION DISTRICT REQUIREMENTS

Area of Lot - 97,125 Square Feet
Maximum Wastewater Allowed - 6 Gallons per 1,000 Square Feet per Day
Maximum volume of wastewater - 97,125 X 6 = 582 Gallons per Day
Wastewater volume proposed - 338 Gallons per Day
Maximum Impervious Area Allowed - 20 % of Lot Area
Maximum impervious area - 97,125 X 0.20 = 19,425 Square Feet
Impervious area proposed - 19,294 Square Feet

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 Town of Seekonk Conservation Commission or their agent.

9.) BOTTOM OF DETENTION BASIN TO BE FINISH GRADED WITH 4" SANDY LOAM TOPSOIL AND SEEDED WITH SEED MIX CONSISTING 60% BY WEIGHT CREEPING RED FESCUE AND 50% REED CANARYGRASS. APPLY AT A RATE OF [illegible] LBS/[illegible] SQ. FT.

69-347
EXHIBIT "A"

Anthony H. Wick

REGISTERED PROFESSIONAL ENGINEER
ANTHONY H. WICK
REHOBOTH, MASSACHUSETTS

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

DATE JAN. 1996
SHEET