

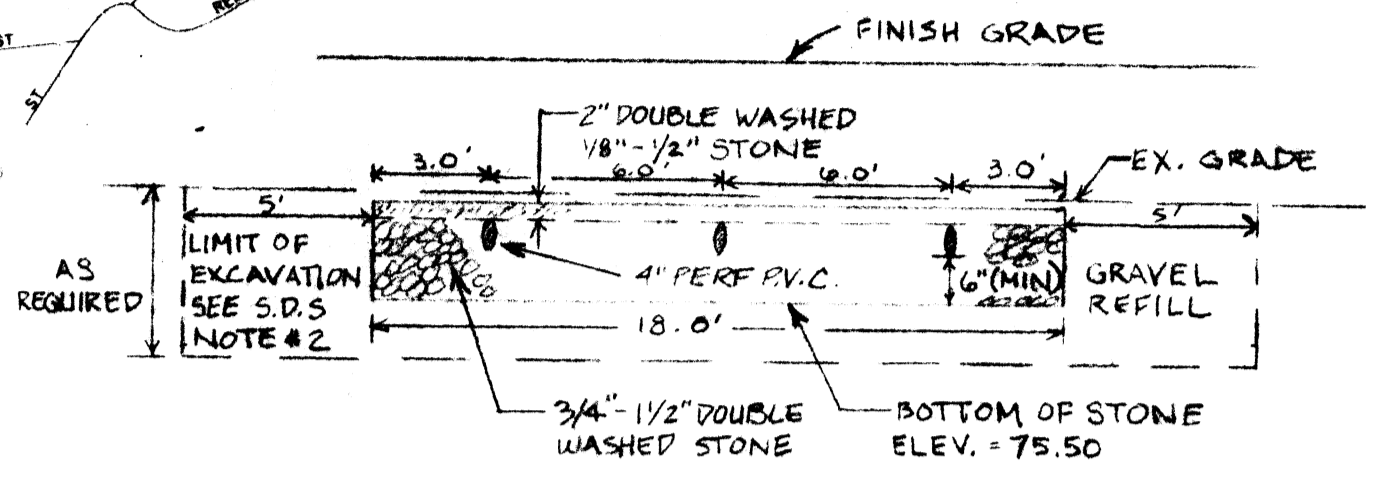
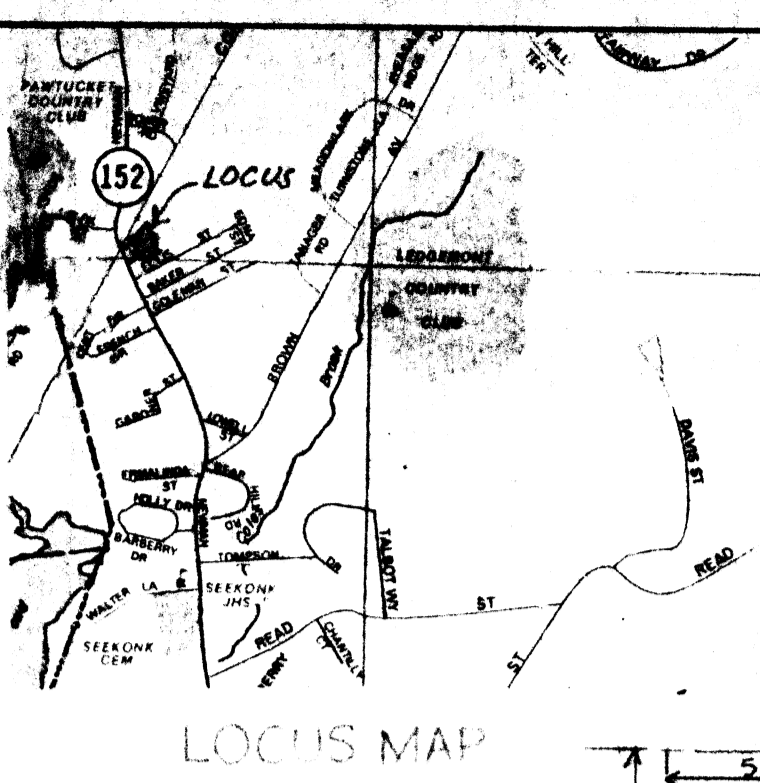
- SEWAGE DISPOSAL SYSTEM NOTES:**
- ALL WORK SHALL CONFORM TO THE 310 CMR 15.00 STATE ENVIRONMENTAL CODE TITLE 5 RULES AND REGULATIONS AND THE RULES AND REGULATIONS OF THE LOCAL BOARD OF HEALTH.
 - STRIP ALL TOPSOIL AND SUBSOIL (O, A, & B HORIZONS) AND ANY OTHER IMPERVIOUS OR SPECIFIED SOIL IN THE AREA 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.

DESIGN DATA

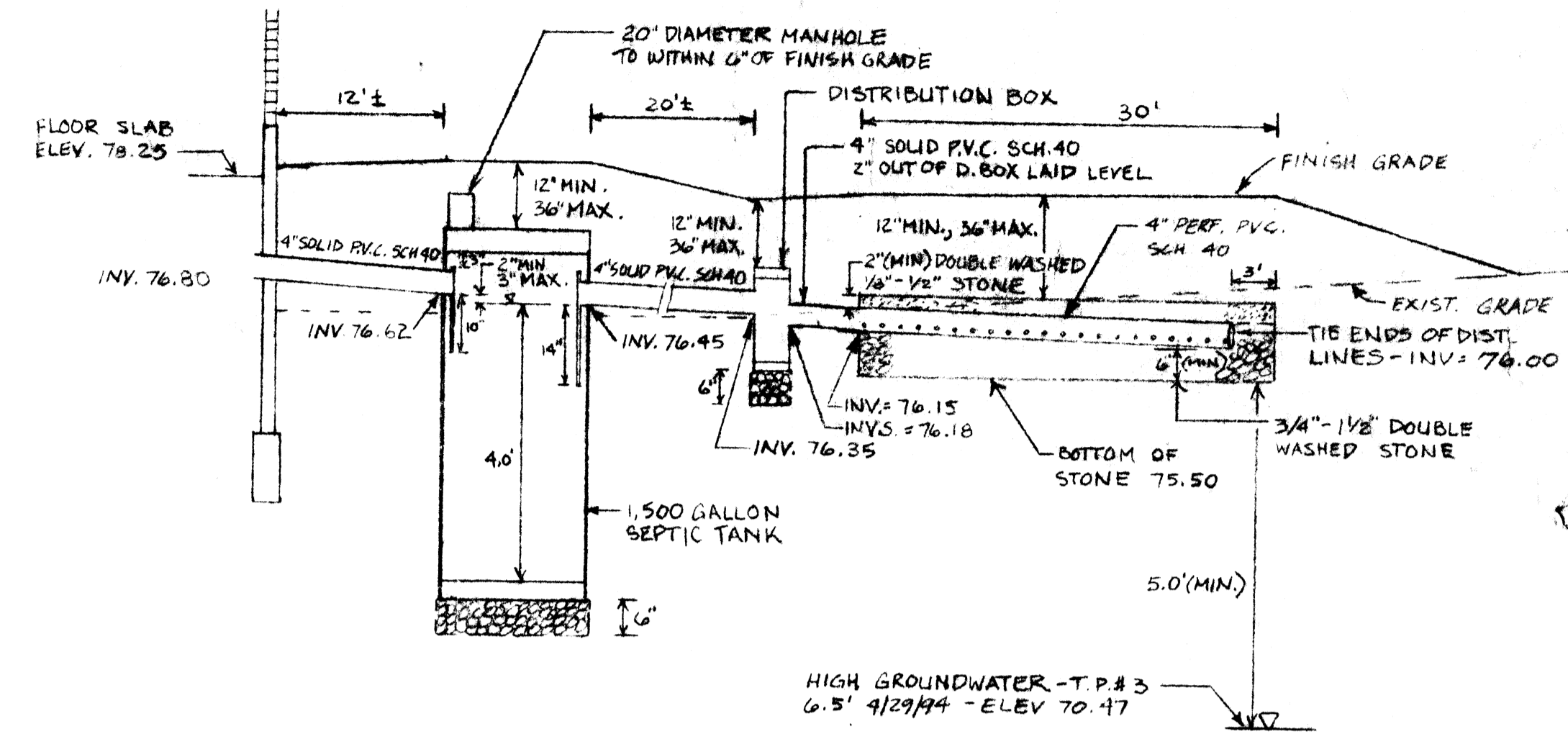
DAILY SEWAGE FLOW
 75 GALLONS/1,000 S.F./DAY (OFFICE)
 2,500 S. F. X .75 (GAL/DAY)/1,000 = 188 GALLONS PER DAY
 15 GALLONS/PERSON/DAY (FACTORY)
 10 WORKERS X 15 GALLONS/DAY = 150 GALLONS/DAY
 TOTAL DAILY SEWAGE FLOW = 188 + 150 = 338 GALLONS/DAY

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

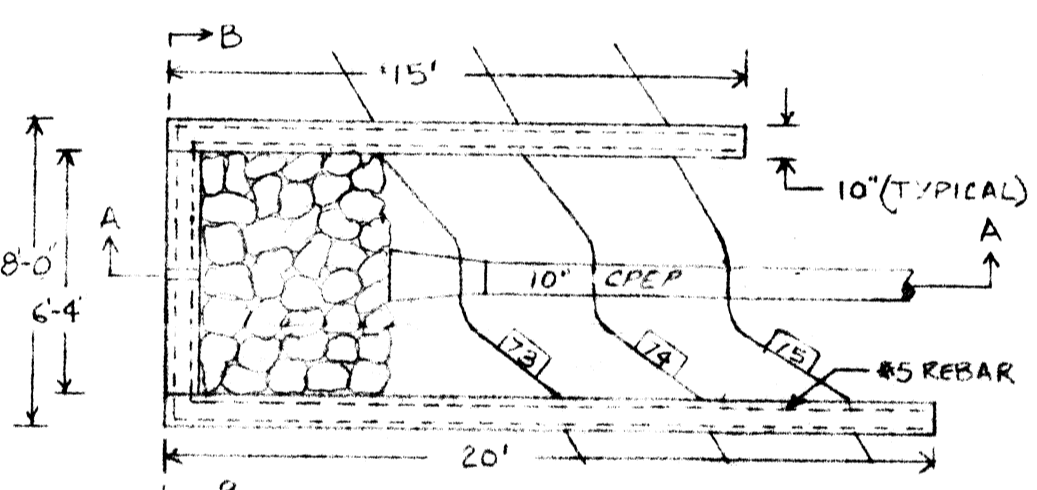
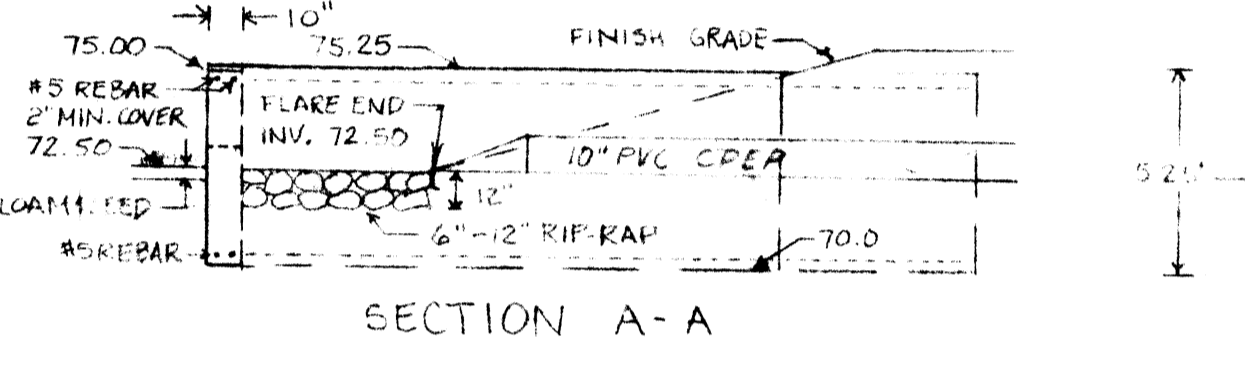
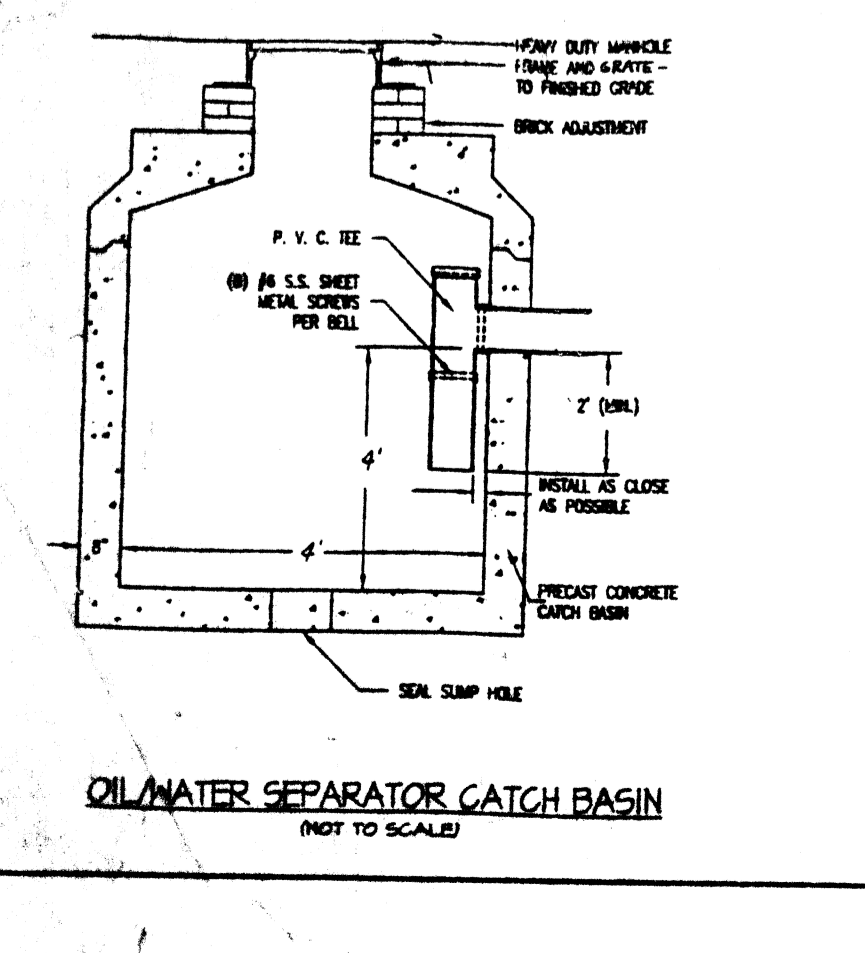
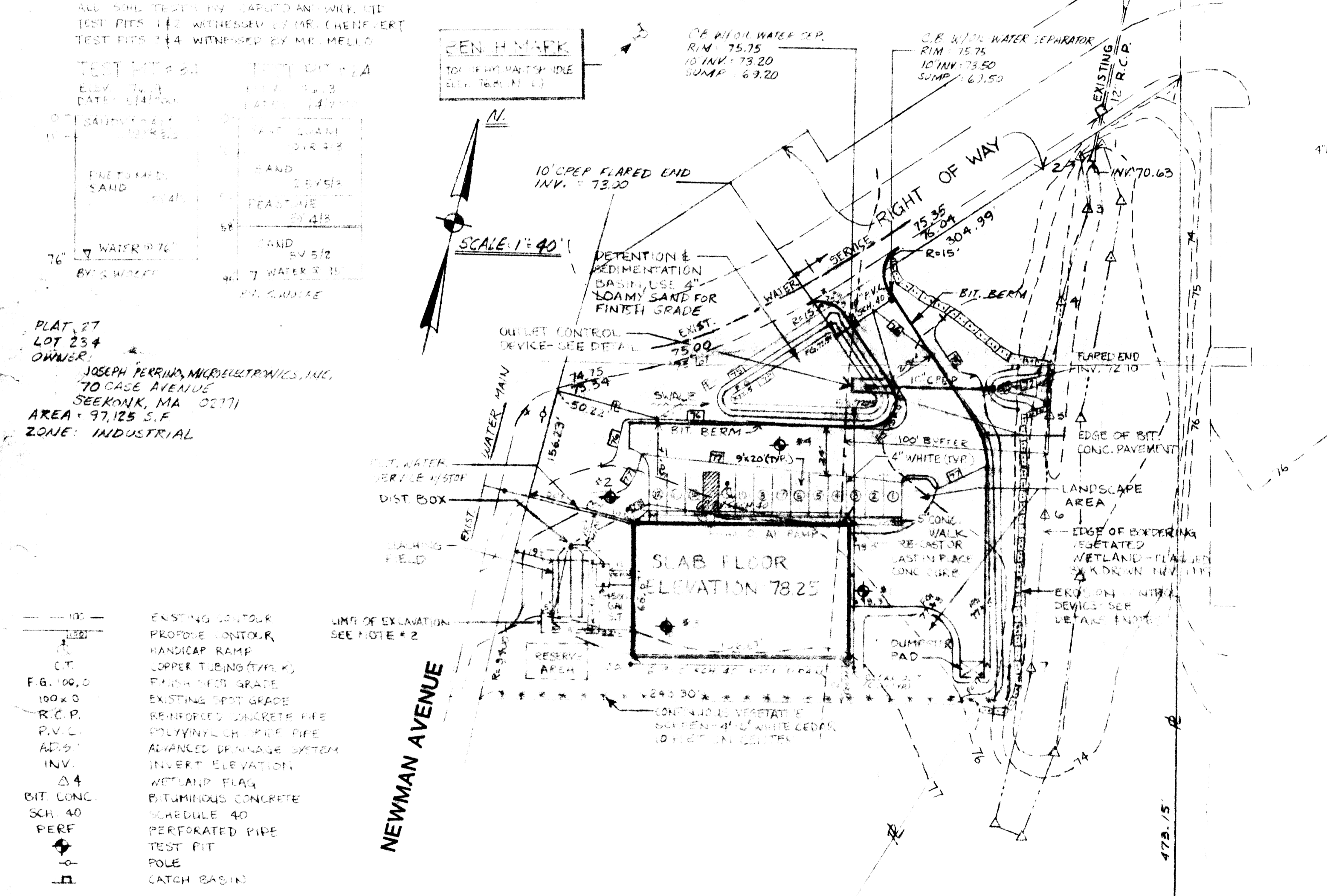
LEACHING AREA REQUIREMENTS
 PERCOLATION RATE (ACTUAL) 2 MIN./INCH (DESIGN) 5 MIN./INCH
 SOIL TEXTURE & CLASS SAND - CLASS I
 EFFLUENT LOADING RATE 0.74 GALLONS/SQUARE FOOT/DAY
 USE - LEACHING FIELD 30 FEET X 18 FEET
 BOTTOM AREA = 540 SQUARE FEET
 TOTAL LEACHING AREA = 540 SQUARE FEET
 TOTAL LEACHING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



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



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



DETAIL - OUTLET CONTROL DEVICE
 SCALE 1" = 5'

- GENERAL NOTES:**
- 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.
 - 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.
 - Install and maintain erosion controls in all areas required to prevent siltation.
 - Install M. D. P. W. Standard 1-1/2" bituminous binder (Modified), and 1-1/2" bituminous surface course (Type 1-1) over 12" of gravel borrow in area designated for pavement.
 - 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 - 19,394 Square Feet

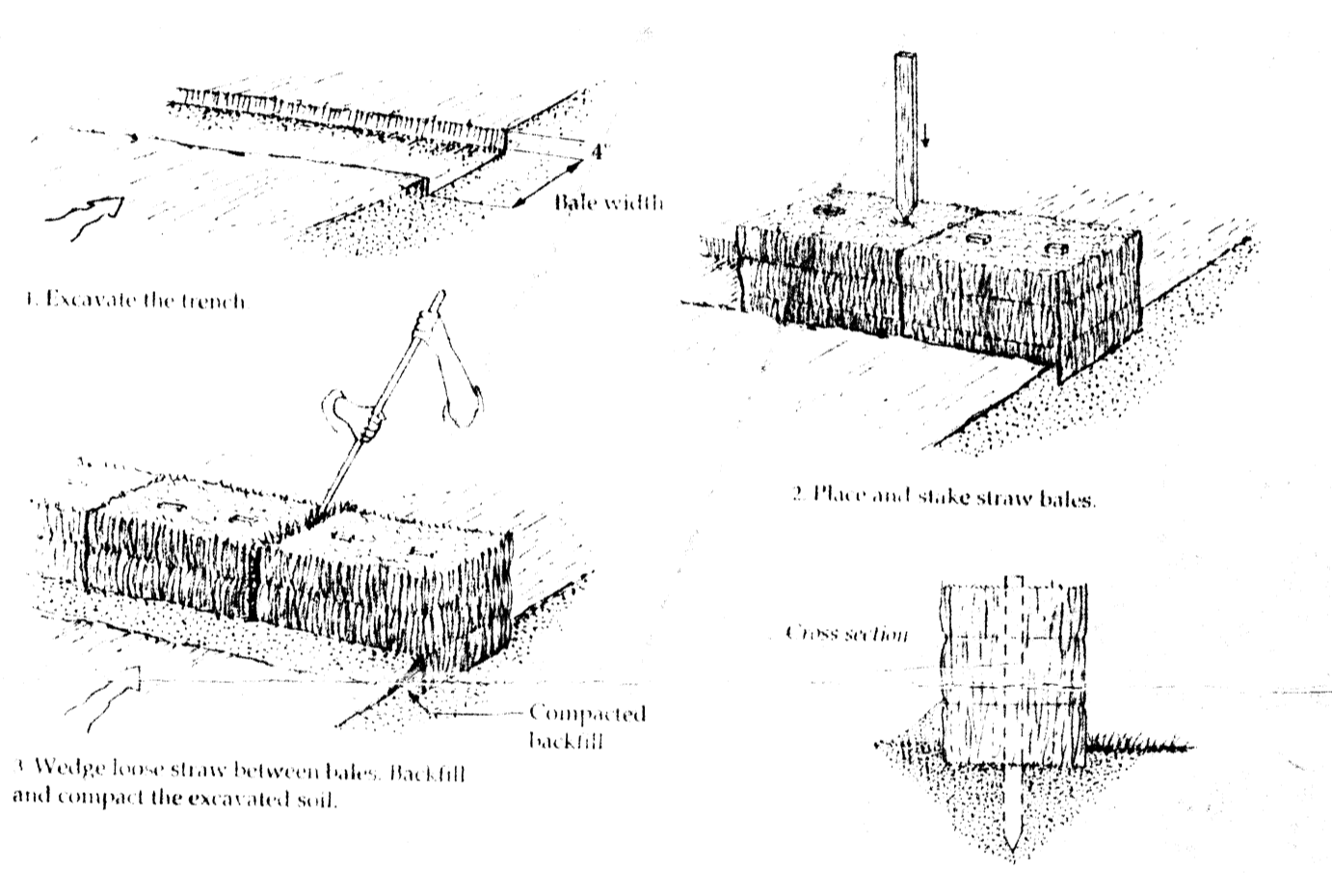


Figure 5.3 Placement and Construction of a Straw Bale Barrier
 Adapted from U.S. Department of Agriculture, Soil Conservation Service, Storm Control Manual

- EROSION 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 off site 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 Town of Seekonk Conservation Commission or their agent.
 - BOTTOM OF DETENTION BASIN TO BE FINISH GRADED WITH 4" LOAMY SAND AND SEEDED WITH SEED MIX CONSISTING 50% BY WEIGHT CREEPING RED PEGUE AND 50% REED CANARYGRASS. APPLY AT A RATE OF 0.9 LB/1,000 S.F.

69-445

EXHIBIT "A"

SITE DEVELOPMENT PLAN
 MICRO ELECTRONICS
 NEWMAN AVENUE
 SEEKONK, MASSACHUSETTS

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

DATE **JAN. 1996**
 SHEET **C-1**