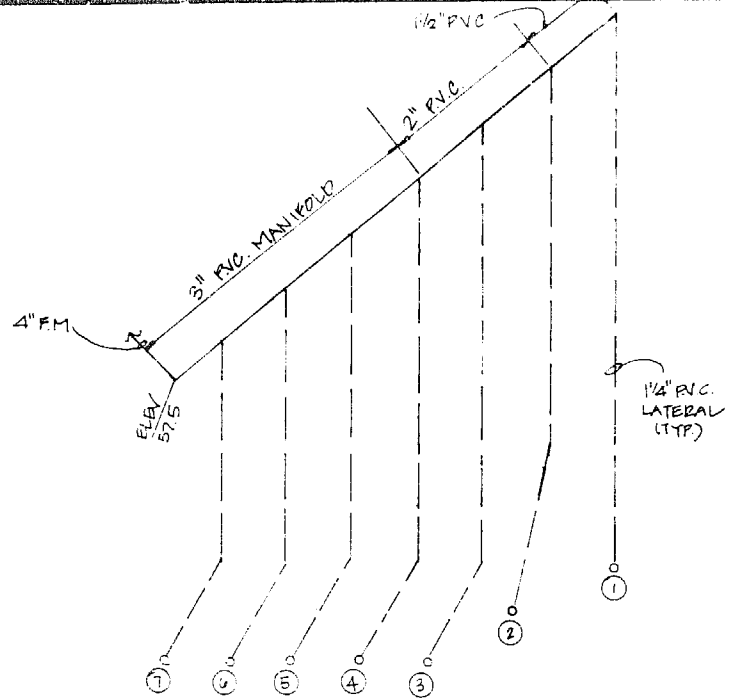
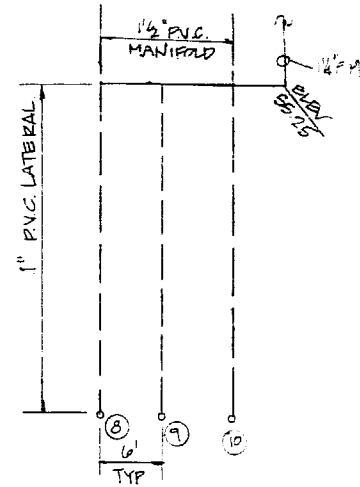


SYSTEM DESIGN

#1	TRENCH LENGTH	TRENCH WIDTH	PERF DIA	NO OF PERF	PERF SPACING	LAT LENGTH	LAT DIA
1	8'	2'	1/4"	0	50	47.5	1 1/2"
2	8'	2'	1/4"	1	45	47.5	1 1/2"
3	8'	2'	1/4"	2	42	47.5	1 1/2"
4	11'	2'	1/4"	3	40	43.5	1 1/2"
5	35'	2'	1/4"	10	39	35.0	1 1/2"
6	30'	2'	1/4"	8	35	28.0	1 1/2"
7	30'	2'	1/4"	5	6	27.0	1 1/2"
8	30'	2'	1/4"	5	6	27.5	1 1/2"



SYSTEM "A"



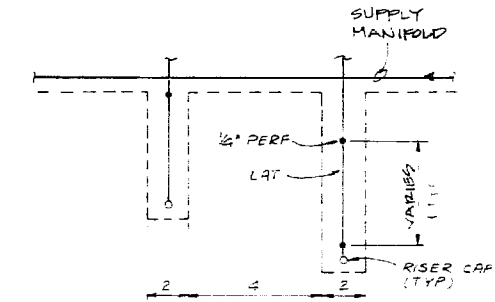
SYSTEM "B"

SPECIFICATIONS

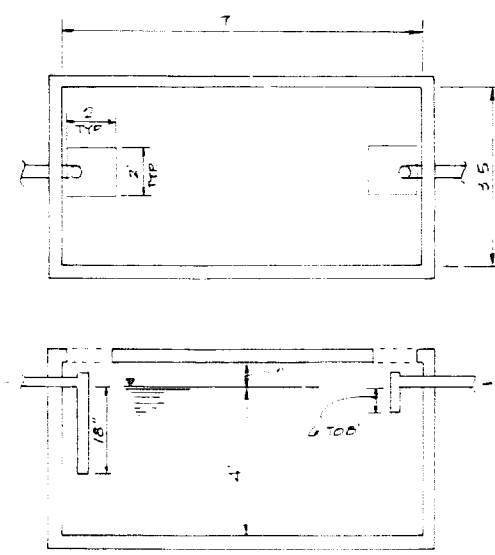
- NUMBER OF BEDROOMS : 3
- WASTEWATER FLOW PER BEDROOM : 60 GPD
- TOTAL WASTEWATER FLOW 360 GPD
- THE MANIFOLD PIPE LINE SHALL BE STRAIGHT LENGTH SCHEDULE 40 PVC.
- THE 1/2" LATERALS SHALL BE STRAIGHT LENGTH SCHEDULE 40 PVC WITH 1/4" BURR FREE AND COUNTERSUNK HOLES PLACED IN STRAIGHT LINE ALONG THE LONGITUDINAL AXIS OF THE PIPE.
- LATERAL PIPING SHALL BE PLACED AT SAME GRADE LEVEL BETWEEN MANIFOLD AND DISTAL END GRADE STAKES SHALL NOT BE PLACED ON CENTERS GREATER THAN 10 FEET
- PERFORATIONS SHALL BE 1/4" DIA AND SPACED AS SHOWN
- TOTAL AREA OF TRENCH IS 780 FT²
- TOTAL LENGTH OF TRENCH IS 390 FT
- TOTAL NUMBER OF TRENCHES IS 10 AT LENGTHS SHOWN
- WIDTH OF TRENCH IS 2' SEPARATION BETWEEN TRENCHES IS 6 FEET ± TO ±
- THE MINIMUM VOLUME PER DOSE IS 224 GAL
- 1 1/2" BY 4" SECTIONS OF PVC PIPE MUST BE PROVIDED THREADED (FEMALE) ON ONE END (4 REQ'D)
- ONE GALLON FLUSH TOILETS TO BE USED
- PUMP SIZE 1/2 HP @ 35 TPD

GENERAL NOTES

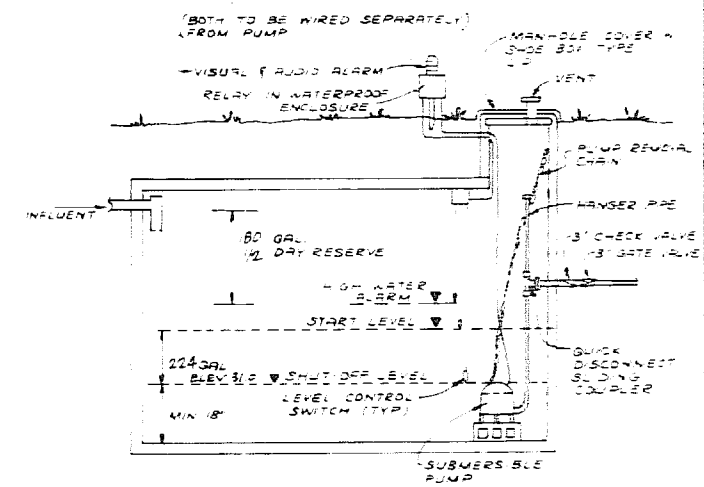
- SOILS DATA AND PERCOLATION TEST DATA WAS PREPARED BY DANNA REVIS : SOILS CONSULTANT
- ALL CONSTRUCTION OF THE LPD WASTEWATER SYSTEM SHALL BE IN ACCORDANCE WITH THE COMMONWEALTH OF VIRGINIA / STATE BOARD OF HEALTH SEWAGE HANDLING AND DISPOSAL REGULATIONS



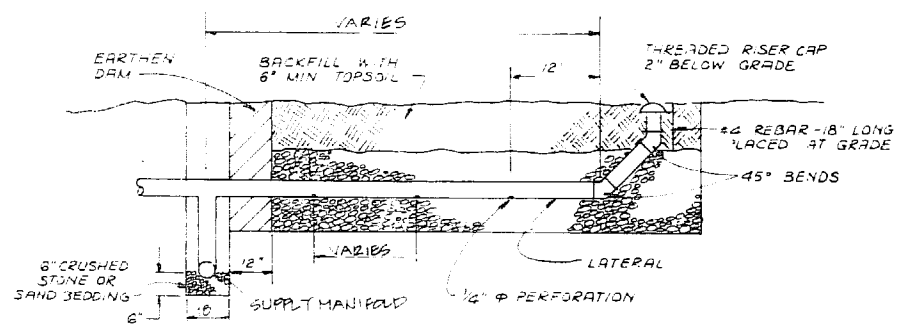
L.P.D. LATERAL DETAIL



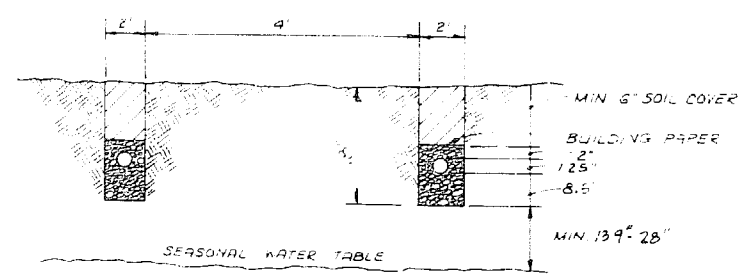
750 GAL SEPTIC TANK



750 GAL DOSE. CHAMBER



X-SECTION LATERAL



X-SECTION TRENCH



RICKMOND ENGINEERING INC.
 CIVIL ENGINEERING
 ENVIRONMENTAL ENGINEERING
 LAND DEVELOPMENT PLANNING
 208 C PAGE IS COURT
 WILLIAMSBURG, VA 23185
 (804) 230-1726

GRAYSON PROPERTY
 WASTEWATER DISPOSAL SYSTEM

APP NO. 15
 DATE 2-15-87
 SCALE NOTED
 DRAWN BY JES
 CHECKED BY PER
 DESIGNED BY PER
 PROJECT: THE COMMONWEALTH BOARD OF HEALTH
 PREPARED BY DANNA REVIS
 DATE 2-15-87
 NO. 1
 BY
 VIRGINIA
 JAMES CITY COUNTY
 SHEET NO. 15