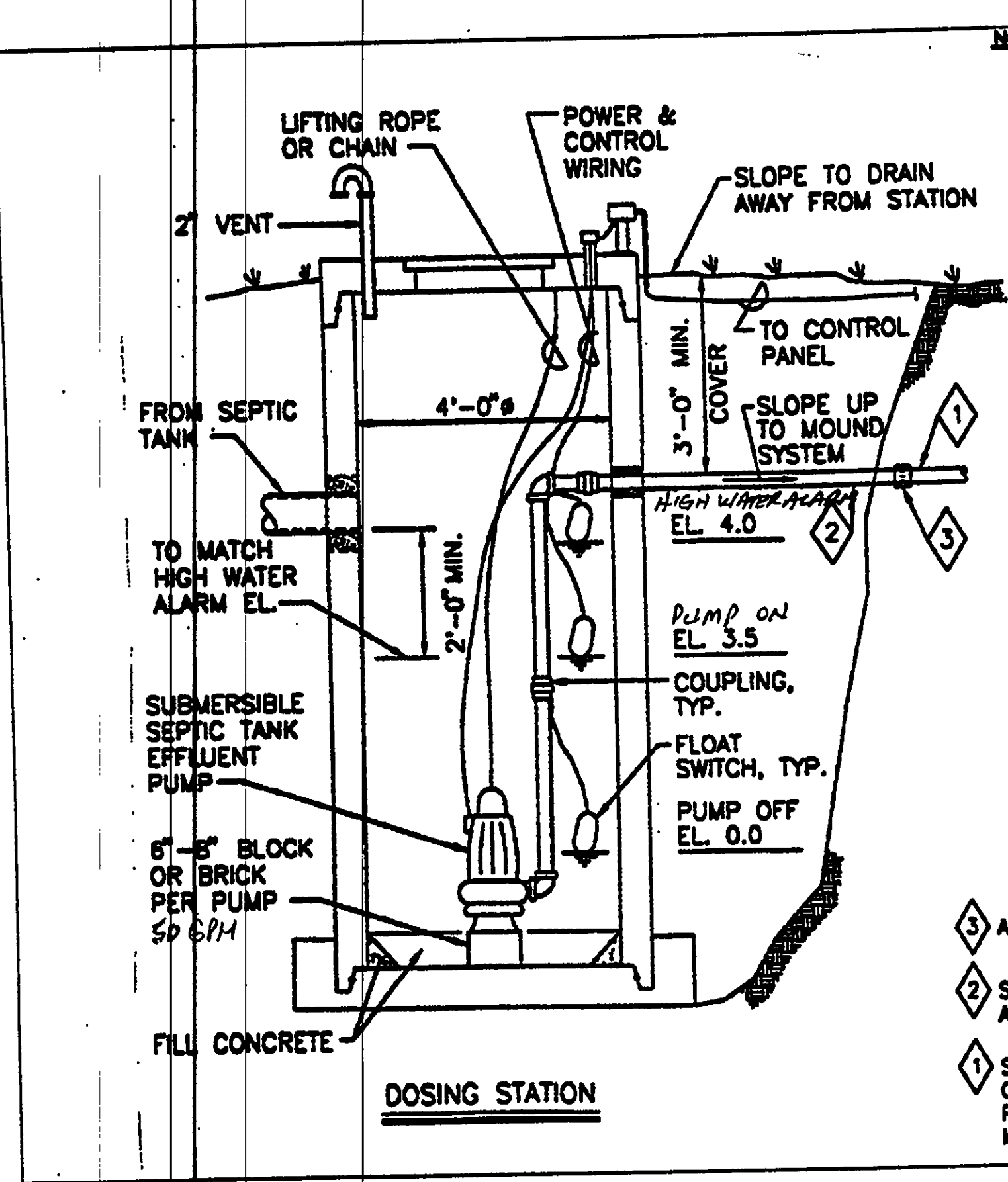
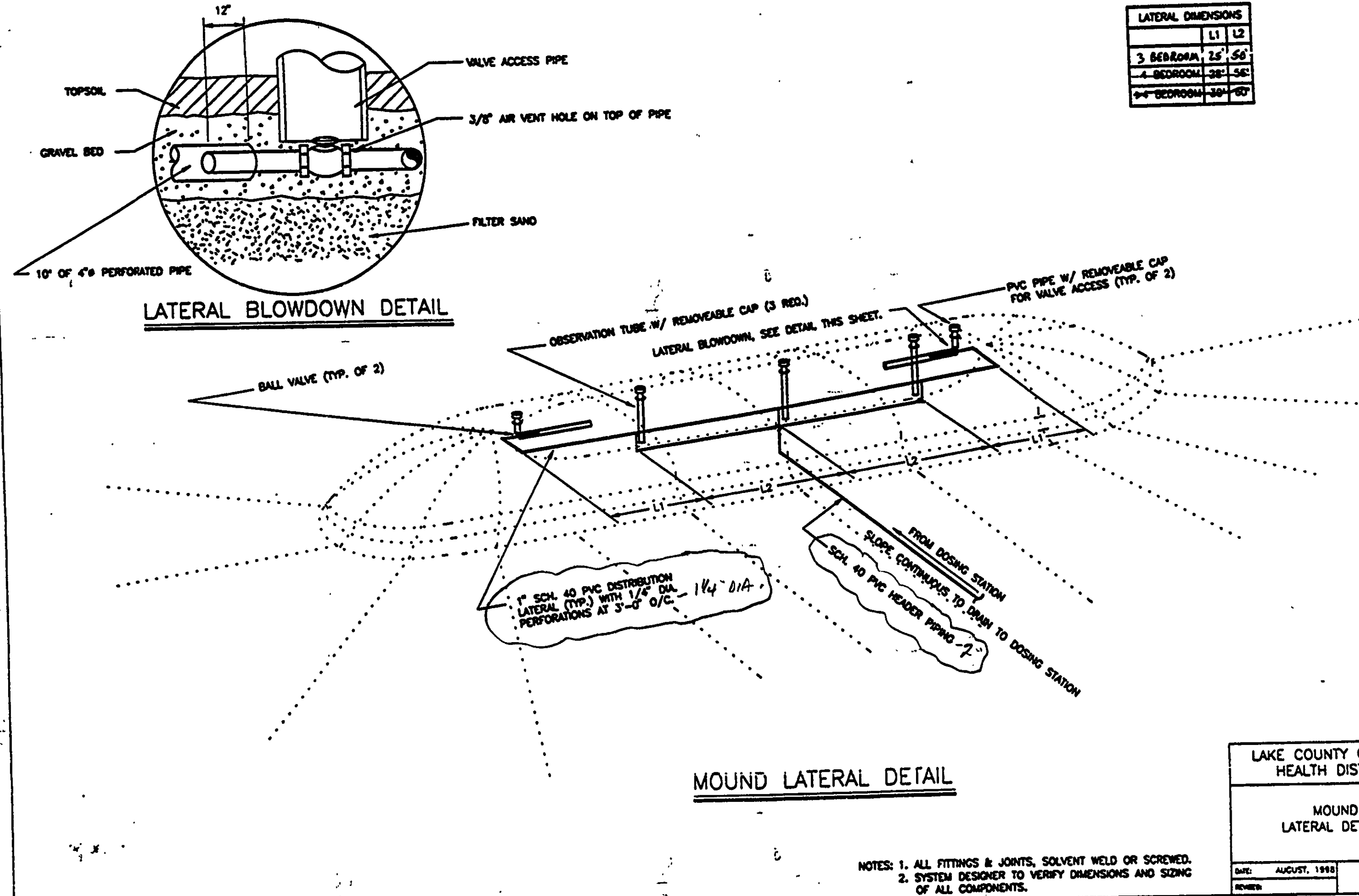




- NOTES:
1. DESIGN STATION AND BASE TO PREVENT FLOTATION IN AREAS OF HIGH GROUND WATER.
 2. ALL JOINTS AND PENETRATIONS SHALL BE WATERTIGHT TO PREVENT INFILTRATION OF GROUND/SURFACE WATER.
 3. STATION PUMP SHALL BE DESIGNED TO DOSE MOUND BASED ON THE TABLE BELOW:
- | | TIME BETWEEN DOSE | MAX. GALLONS PER DOSE |
|------------|-------------------|-----------------------|
| 3 BEDROOM | 4 HOUR | ~60 |
| 4 BEDROOM | 3 HOUR | ~40 |
| >4 BEDROOM | 3 HOUR | ~50 |
4. FORCE MAIN, DISTRIBUTION LATERAL DESIGN AND DETAILED STATION INCLUDING DIMENSIONS, AND ELEVATIONS SHALL BE SUPPORTED BY CALCULATIONS AND OTHER APPROPRIATE DOCUMENTATION IN PLAN SUBMITTALS.
 5. INSTALLATION SHALL MEET ALL APPLICABLE CODES/CRITERIA.
 6. CONTROL PANEL WITH VISUAL AND AUDIBLE HIGH LEVEL ALARM SHALL BE LOCATED IN THE GARAGE, BASEMENT OR OTHER SUITABLE INDOOR LOCATION.
 7. SPECIAL CONSIDERATION SHALL BE GIVEN WHEN DESIGNING A DOWNHILL PUMPING APPLICATION TO PREVENT SIPHONING.
 8. WET WELL CAPACITY TO ACCOUNT FOR PIPING DRAINING BACK TO DOSING STATION.

- 1 ADAPTER COUPLING.
2 SCHED. 40 GALV. STL. ACROSS EXCAVATION.
3 SCHED. 40 PVC OR OTHER APPROVED PRESSURE PIPE MATERIAL.

LAKE COUNTY GENERAL HEALTH DISTRICT
LAKE COUNTY MOUND SYSTEM DOSING STATION
DATE: AUGUST, 1998
FIGURE 11

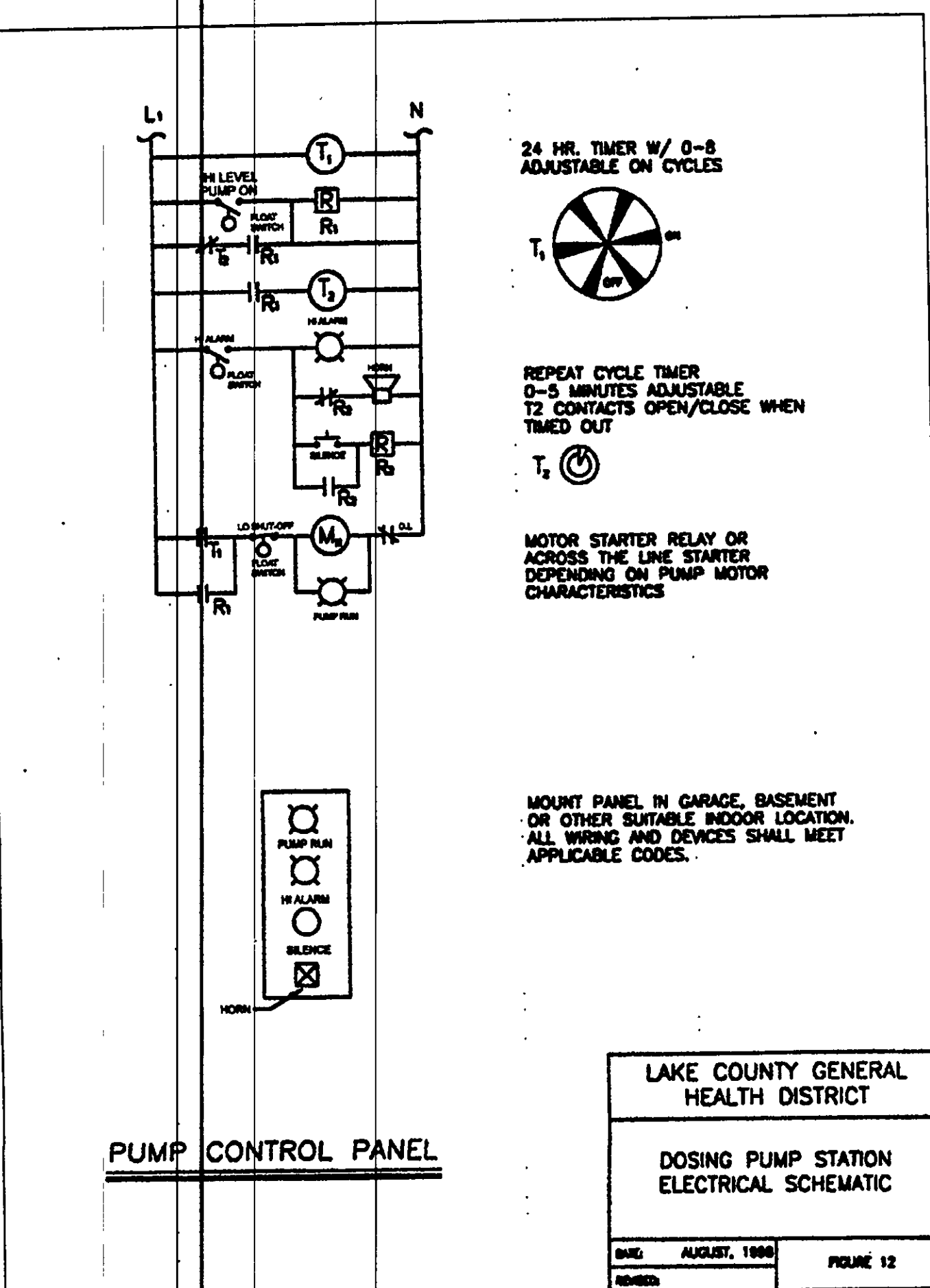


LATERAL DIMENSIONS

	L1	L2
3 BEDROOM	25'	50'
4 BEDROOM	28'	56'
>4 BEDROOM	30'	60'

LAKE COUNTY GENERAL HEALTH DISTRICT
MOUND LATERAL DETAILS
DATE: AUGUST, 1998
FIGURE 10

- NOTES: 1. ALL FITTINGS & JOINTS, SOLVENT WELD OR SCREWED.
2. SYSTEM DESIGNER TO VERIFY DIMENSIONS AND SIZING OF ALL COMPONENTS.

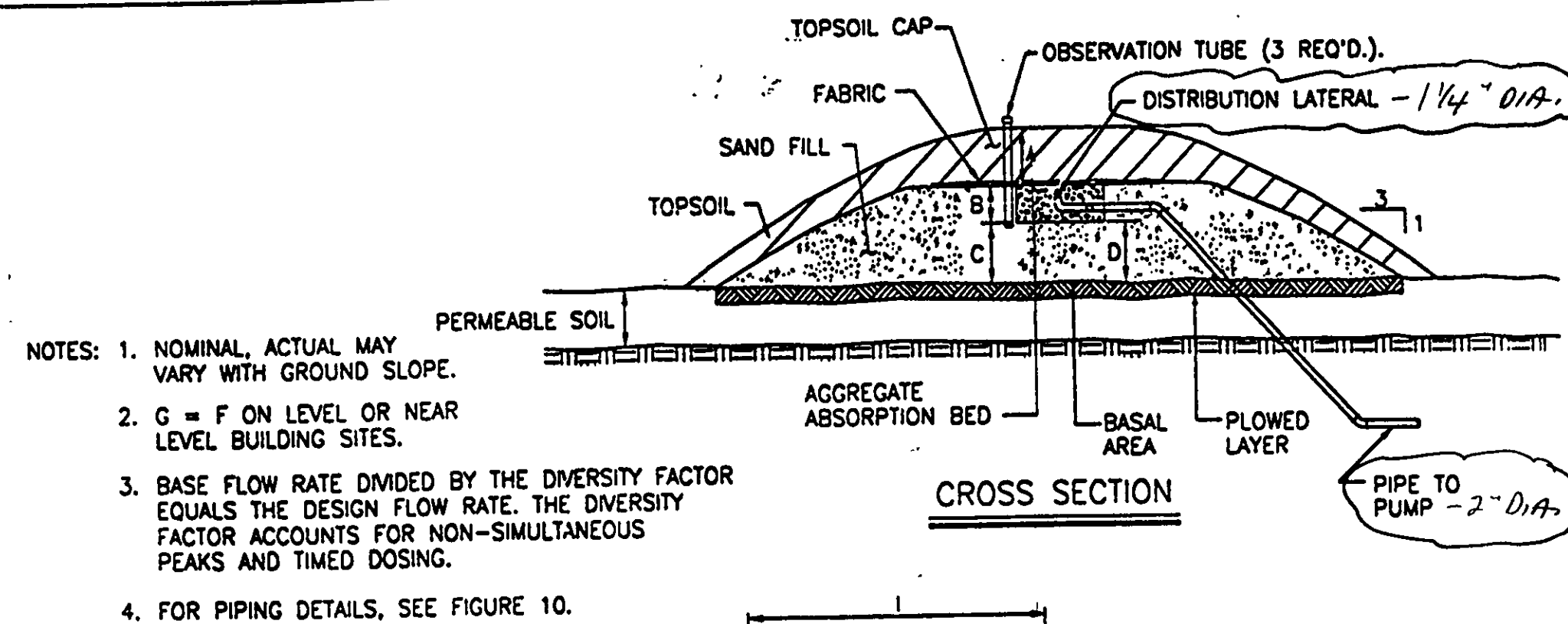


LAKE COUNTY GENERAL HEALTH DISTRICT
DOSING PUMP STATION ELECTRICAL SCHEMATIC
DATE: AUGUST, 1998
FIGURE 12

REVIEWED AND ACCEPTED
LAKE COUNTY GENERAL HEALTH DISTRICT
DATE 11/10/99 BY *Daniel B. Jones* RS.
SEWAGE DISPOSAL PERMIT MUST BE OBTAINED BY A LAKE COUNTY LICENSED INSTALLER BEFORE INSTALLATION IS STARTED.

MINIMUM DIMENSIONS

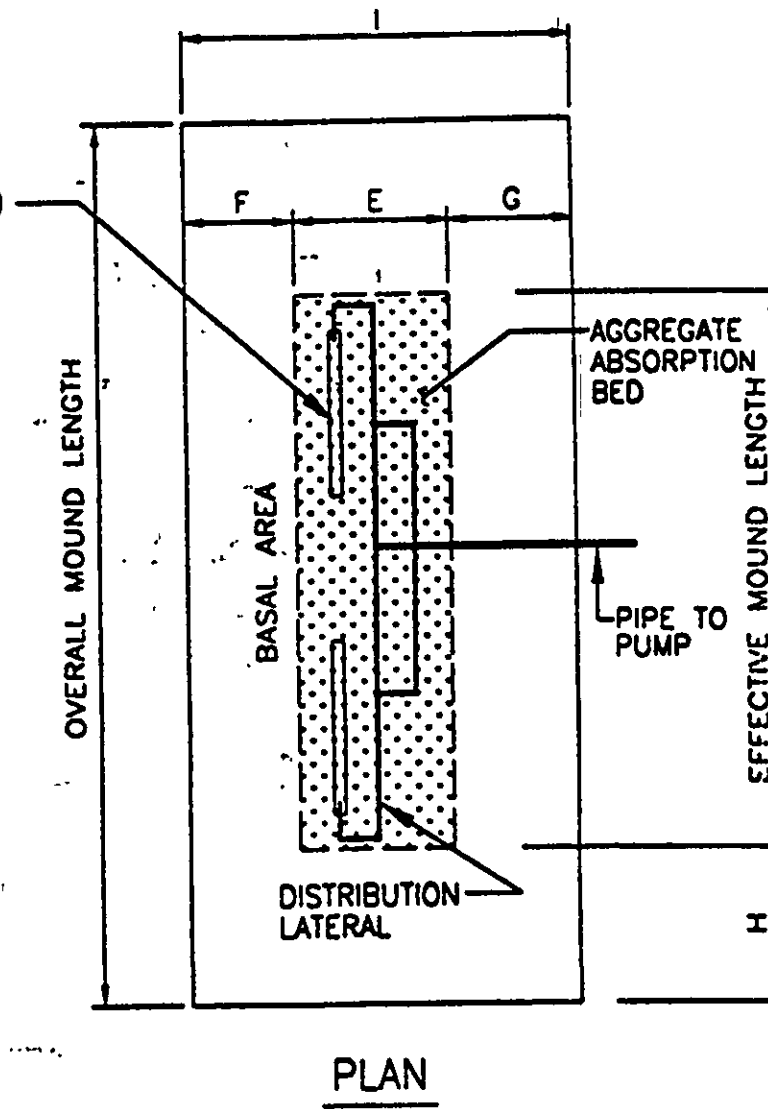
A =	1'-6"
B =	9"
C =	2'-0" (NOTE 1)
D =	2'-0" (NOTE 1)
E =	3'-6"
F =	12'-6" (NOTE 1 & 2)
G =	12'-6" (NOTE 1 & 2)
H =	12'-6" (SEE NOTE 1)
I =	29'-0" (NOTE 1)



- NOTES: 1. NOMINAL, ACTUAL MAY VARY WITH GROUND SLOPE.
2. G = F ON LEVEL OR NEAR LEVEL BUILDING SITES.
3. BASE FLOW RATE DIVIDED BY THE DIVERSITY FACTOR EQUALS THE DESIGN FLOW RATE. THE DIVERSITY FACTOR ACCOUNTS FOR NON-SIMULTANEOUS PEAKS AND TIMED DOSING.
4. FOR PIPING DETAILS, SEE FIGURE 10.

MOUND CALCULATIONS

	3	4	>4
NUMBER OF BEDROOMS	360	480	600
BASE FLOW RATE (gpd)	1.0	1.15	1.30
DIVERSITY FACTOR (NOTE 3)	360	417	460
DESIGN FLOW RATE (gpd)	150	170	190
EFFECTIVE MOUND LENGTH	176'	176'	216'
OVERALL MOUND LENGTH (NOTE 1)	176'	176'	216'
DESIGN LINEAR LOADING RATE (gpd/lf)	0.7	0.7	0.7
DESIGN SAND LOADING RATE (gpd/sf)	0.3	0.3	0.3
BASAL LOADING RATE (gpd/sf)	525	595	665
ABSORPTION BED AREA (sf)			



LAKE COUNTY GENERAL HEALTH DISTRICT
LAKE COUNTY MOUND SYSTEM DESIGN INFORMATION SHEET
DATE: AUGUST, 1998
FIGURE 9

REV NO.	DESCRIPTION	DATE	BY	CHK'D
1	Revised per L.C. Health Dept.	10-26-99	HJT	HO

bj BABCOCK, JONES AND ASSOCIATES, INC
CIVIL ENGINEERS - SURVEYORS - LAND PLANNERS
PAINESVILLE OHIO 44077

DATE 10/10/99
DESIGN BY H.J.
DRAWN BY T.R.
APPROVED BY H.J.

SITE PLAN FOR JOHN BASCO
LEROY TOWNSHIP LAKE COUNTY

SCALE: AS NOTED
JOB NO. 94-129
SHEET 2 OF 2