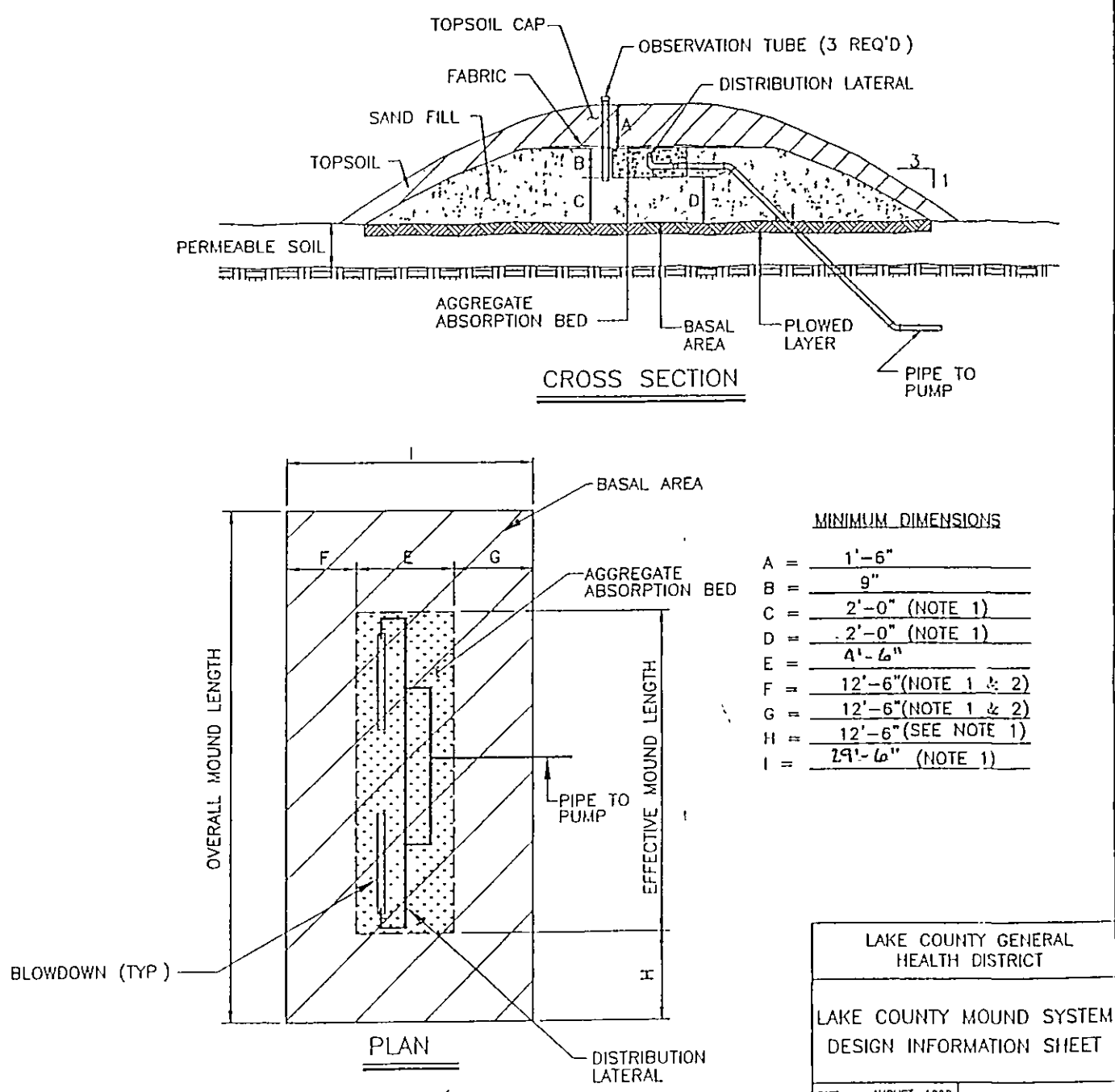


MOUND CALCULATIONS

NUMBER OF BEDROOMS	4
BASE FLOW RATE (gpd)	480
DIVERSITY FACTOR (NOTE 3)	1.15
DESIGN FLOW RATE (gpd)	417
EFFECTIVE MOUND LENGTH	195'
OVERALL MOUND LENGTH (NOTE 1)	180'
DESIGN LINEAR LOADING RATE (gpd/lf)	2.1
DESIGN SAND LOADING RATE (gpd/sf)	0.7
MAXIMUM ALLOWABLE BASAL LOADING RATE (gpd/sf)	0.3
ABSORPTION BED AREA (sf)	697.5



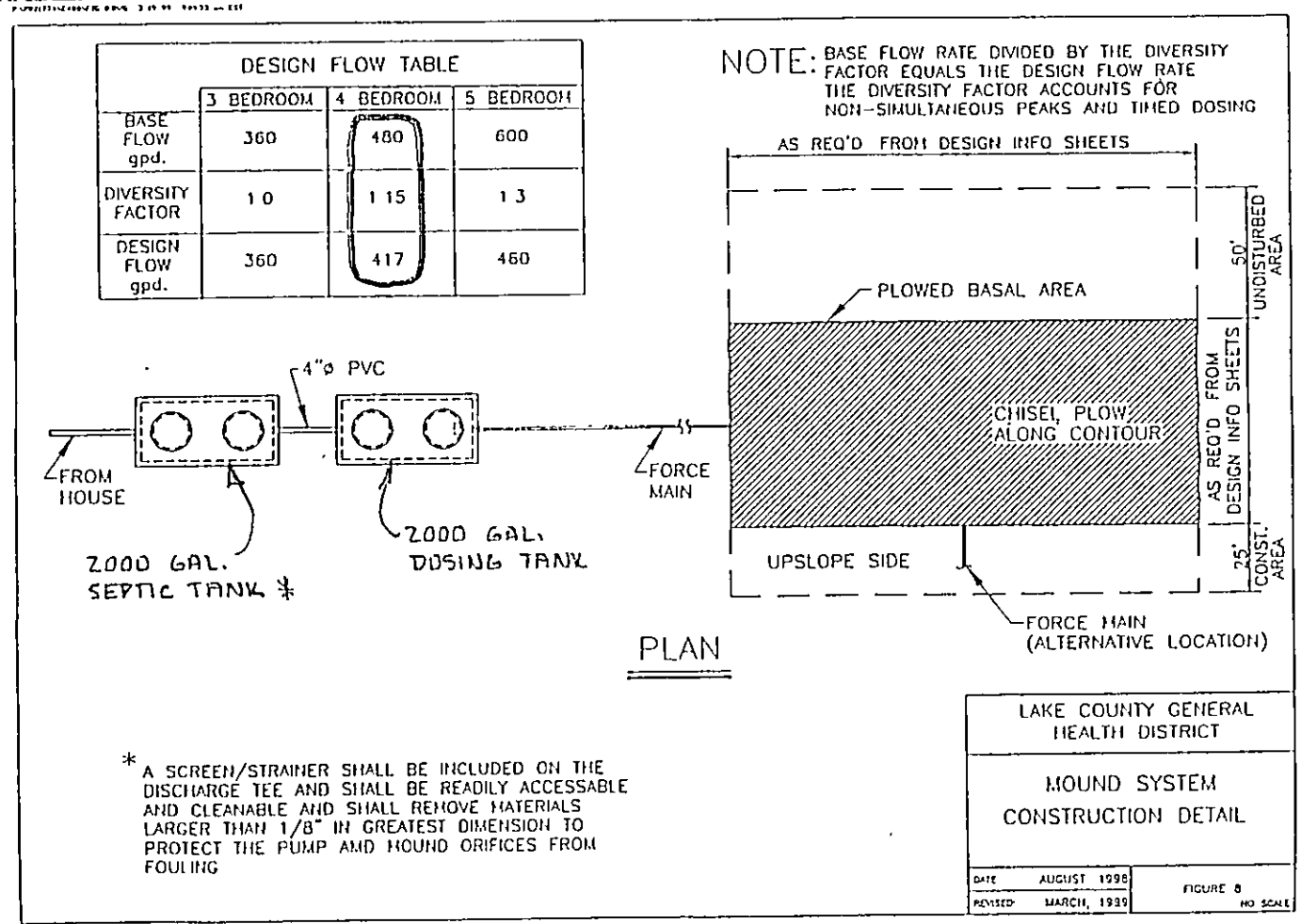
- NOTES:
1. NOMINAL, ACTUAL MAY VARY WITH GROUND SLOPE
 2. G = F ON LEVEL OR NEAR LEVEL BUILDING SITES.
 3. BASE FLOW RATE DIVIDED BY THE DIVERSITY FACTOR EQUALS THE DESIGN FLOW RATE. THE DIVERSITY FACTOR ACCOUNTS FOR NON-SIMULTANEOUS PEAKS AND TIMED DOSING.
 4. FOR PIPING DETAILS, SEE FIGURE 10

LAKE COUNTY GENERAL HEALTH DISTRICT

LAKE COUNTY MOUND SYSTEM DESIGN INFORMATION SHEET

DATE	AUGUST, 1998
REVISED	MARCH, 1999

FIGURE 8



* A SCREEN/STRAINER SHALL BE INCLUDED ON THE DISCHARGE TEE AND SHALL BE READILY ACCESSABLE AND CLEANABLE AND SHALL REMOVE MATERIALS LARGER THAN 1/8" IN GREATEST DIMENSION TO PROTECT THE PUMP AND MOUND ORIFICES FROM FOULING

DATE: 7-12-05	Prepared For:		POLARIS ENGINEERING & SURVEYING, INC. 34600 CHARDON ROAD - SUITE D WILLOUGHBY HILLS, OHIO 44094 (440) 944-4433 (440) 944-3722 (Fax) www.polaris-es.com	Septic Details	CONTRACT No.	
SCALE: HOR. none VERT. none	J.B. Balanik & Sons 7505 Ohio Street Mentor, Ohio 44060 (440) 946-2905				05808	
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