J NUMBER: 96-08-06
PROJECT:DAVID MONTGOMERY - DATE: 05/13/97 - CALCULATED BY:JEC - CHECKED BY: BKB

8 LINES FOR A TOTAL 480 LF - MANIFOLD PLACEMENT: CENTER
ORIFICE DIAMETER=5/32"

LATERAL	LENGTH (FEET)	ELEV. (FEET)	REL. PRES. HEAD (FEET)	ORIFICE DIA. (FEET)	GPM/ ORIFICE	ORIFICE SPACING (INCHES) TO LEFT MANIFOLD (INCHES)	ORIFICE SPACING (INCHES) TO RIGHT MANIFOL (INCHES)	DIST. LAST HOLE TO END OF LATERAL TO LEFT (INCHES)	DIST. LAST HOLE TO END OF LATERAL TO RIGHT (INCHES)	ORIFICE SPACING (INCHES)	NO. OF HOLES	GPM/ LINE	GPM/ FOOT OF LINE	% OF FLOW REDUCTION
G,H	120	101.6	2.0	0.0130208	0.41	20.0	40.0	40.0	20.0	60.0	24	9.77	0.0814	0.00
E,F	120	101.1	2.5	0.0130208	0.45	40.0	28.0	68.0	12.0	68.0	21	9.55	0.0796	2.22
C,D	120	100.6	3.0	0.0130208	0.50	25.0	50.0	20.0	70.0	75.0	19	9.47	0.0789	3.14
A,B	120	100.0	3.6	0.0130208	0.55	42.0	42.0	72.0	24.0	84.0	17	9.28	0.0773	5.23
TOTALS:	480.0	LF												
											81.0	38.1	GPM	
												2.0	GPM	SIPHON BREAK
											TOTAL	40.1	GPM	

FORCE MAIN AND PUMP SIZING DATA:

