Column	1	2		3	4	5	6	7	8	9	10
Line	Description		psi								
A		Min pressure at main	79								
B		highest pressure at fixture (t-604.3)	20								
C		meter loss 3/4" meter	7								
D		tap in main loss 2" tap	2.52								
E		static head loss53 FT x0.43 psi	22.1								
F	Service and cold water distribution	backflow preventor	5								
G		pressure reducing valve	-								
H		special fixture loss - other	0								
I		total overall loss and requirements (sum of lines b through h)	50.62								
J		pressure available to overcome pipe friction (lines A I)	28.38	gpm	length (feet)	trial size (inches	equivalent length of fitting (feet)	total equivalent length col. 4 and 6 (100 ft)	friction loss per 100 ft of trial size	friction loss in equivalent length col. 8 x col 7 (psi)	excess pressure over friction losses (psi)
	Designation		FU								
	CRITICAL PATH	ZA	252.7	-	75	85	2.5	42.5	127.5	1.8	2.295	
		AB	21.6	-	19.6	16	1.25	8	24	3.5	0.84	
		BC	43.2	-	26.3	16	1.5	8	24	2.5	0.6	
		CD	64.8	-	32	12	1.5	6	18	3.8	0.684	
		DE	75.6	-	36.5	8	2	4	12	1.2	0.144	
		EF	97.2	-	42.3	14	2	7	21	1.8	0.378	
	pipe section from diagram cold	FG	118.8	-	45.6	14	2	7	21	1.8	0.378	
	water distribution piping	GH	140.4	-	52.5	14	2	7	21	2.8	0.588	
		HI	151.2	-	54.8	14	2	7	21	2.9	0.609	
		IJ	181.7	-	61	26	2.5	13	39	1.4	0.546	
		JK	195.2	-	63	14	2.5	7	21	1.5	0.315	
		KL	208.7	-	65	14	2.5	7	21	1.5	0.315	
		LO	225.7		70	6	2.5	3	9	1.6	0.144	
		MO	3		#N/A	12	0.5	6	18	6.5	1.17	
K	total pipe friction losses cold										9.006	
L	difference (line J-)							PRESSURE AVAILABLE AT FARTHEST FIXTURE=			19.374	