



WATER SUPPLY REQUIREMENT

SITE LOCATION:	4400 COORS BLVD. SW ALBUQUERQUE, NM 87121			
STATIC PRESSURE:	80 PSI			
TOTAL F.U.:	147 (PREDOMINANTLY FLUSH VALVES) PER NEW MEXICO UPC 2009			
GPM:	80			
WATER MAIN:	2" (VERIFY WITH WATER COMPANY)			
80	P.S.I.	PRESSURE IN MAIN		
-4	P.S.I.	LOSS THROUGH 2" METER		
-2	P.S.I.	LOSS THROUGH TAP		
-25	P.S.I.	FIXTURE LOSS AT END		
-6	P.S.I.	DROP FOR ELEVATION (14 FT)		
-12	P.S.I.	BACKFLOW PREVENTER		
31	P.S.I.	AVAILABLE PRESSURE		
PIPE LENGTH (TAP TO METER)		3 FT		
PIPE LENGTH (METER TO LAST FIXTURE)		88 FT		
VERTICAL LENGTH		12 FT		
EQUIVALENT LENGTH OF FITTINGS		154.5 FT		
TOTAL DEVELOPED LENGTH		257.5 FT		
MAX ALLOWABLE LOSS (PER 100 FT OF PIPE)	=	PRESSURE AVAILABLE:	31	
		TOTAL LENGTH	257.5	X 100 = 12.0 P.S.I./100 FT
SIZE PIPES PER 7 P.S.I/100 FT.				