METRO FIRE EQUIPMENT, INC.

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AZ ROC# C-16:111021 • CR-67:103313 • CR-5: 213027 • CR-80:295875 • R-16:166777

Hydrant Flow Test Report

LOCATION	11107 North Scottsdale Road, Scottsdale, AZ	DATE:	8/18/2021
TEST BY:	Metro Fire Equipment	TIME:	7:00 AM
WATER SUPPLIED BY:	City of Scottsdale		
PURPOSE OF TEST:	Water Curve Data		

DATA

FLOW HYDRANT(S)	A1	A2	
SIZE OPENING:	2.5	2.5	
COEFFICIENT:	0.9		
PITOT READING:	55	0	
GPM:	**1244**	0	

TOTAL FLOW DURING TEST: **1244** GPM

STATIC READING:	82	PSI	RESIDUAL:	76	PSI

ADJ. STATIC:	**82**	**PSI**	**RESIDUAL:**	**76**	**PSI**	
ADJ. FLOW:	**AT 20 PSI RESIDUAL**	**4392**	**GPM**	**AT 0 PSI**	**5108**	**GPM**

Results of this flow test identify water system characteristics for the date, time, and locations of this test only. Pressure and flows within the water system vary of time, it is expected and should be considered when preparing designs based upon fire flow test data. Numerous factors affect the water system, such as water level fluctuations in reservoirs, operating pressure ranges at booster pump stations, elevations at point of use, daily demand fluctuations, seasonal demands, emergency demands, water treatment plant availability, increased demands due to growth, operation/maintenance schedules, etc.

