

City of Phoenix, Water Services Department Fire Flow Test Result

Location:

2425 S 24TH ST

Q.S. No.

7-33

KIVA/Project #

WSFT 24010129

For:

METRO FIRE EQUIPMENT

Requested By:

Request Date:

6/10/2024

Phone:

480-464-0509

Fax Number

E-MAIL

Test Type:

2.5" Std.

4" Std.

X

COMPLEX

Observers:

R MEJIAS

Test Time:

7:35 AM

Test Date:

6/26/2024

CAUTION: 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 can vary with time, seasonal and operational pressure variations can be as much as 20 psi. 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.

Designers should consider the above when preparing designs based upon fire flow test data. The City of Phoenix may be able to provide additional information on water system characteristics upon request.

NOTE: TEST LOCATION SKETCH IS ATTACHED

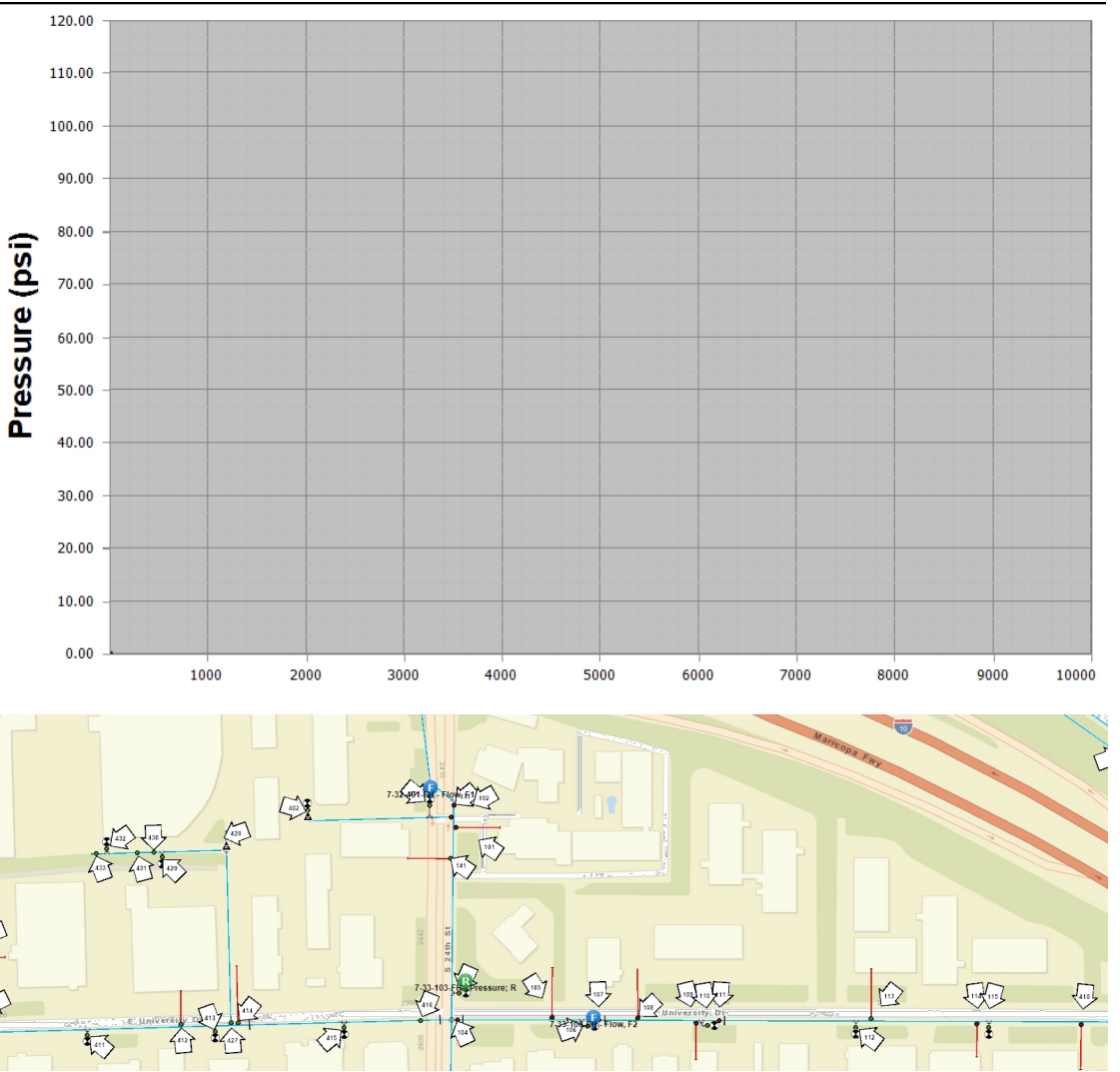
Observed Test Data						
Hydrant Designation	HYDRANT NUMBER	FLOWOPENING	STATICPRESSURE	RESIDUALPRESSURE	PITOTPRESSURE	Flow (gpm)
Pressure, R	33-103-F1		70	59		
Flow, F1	32-401-F1	4			35	2541
Flow, F2	33-106-F1	4			34	2505
Flow, F3						
Flow, F4						
Note: Hydrant Nozzle Coef. = 0.9			**Pressure Drop %		Total Flow:	
			15.7%		5046	

Calculated Results **		
Pressure (psi)	20	25
Flow (gpm)	NA	NA

** Theoretical calculation of expected flows or rated capacities are based on sufficient discharge to cause a drop in pressure at the residual hydrant of at least 25%.

Calculated flow values will not appear if a 25% pressure drop between static and residual pressures is not reached. If additional volume is required, a complex 4-inch port fire flow test may be needed.

Instructions: All Fields Highlighted Green can be used.



**Compatibility Report for FireflowTest Results
template July 2019 Sample 1.xls
Run on 7/10/2019 14:44**

If the workbook is saved in an earlier file format or opened in an earlier version of Microsoft Excel, the listed features will not be available.

Minor loss of fidelity

**# of
occurrences** **Version**

Some cells or styles in this workbook contain formatting that is not supported by the selected file format. These formats will be converted to the closest format available.	8	Excel 97-2003
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