



City of Flagstaff

Engineering Section

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Flagstaff, AZ 86001

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www.flagstaff.az.gov

Date of Test	Hydrant Flow Test Report AWWA M-17 Procedure		Permit Number (If Applicable)
Site Address			
Test Performed By		Time of Test	
Testing Contractor		Witness	
Purpose of Test (Check One) <input type="checkbox"/> Test of newly installed hydrant prior to City acceptance <input type="checkbox"/> Test of existing hydrant for fire sprinkler design <input type="checkbox"/> Routine periodic testing and inspection <input type="checkbox"/> Other (Explain):			
Site Plan (Indicate flow hydrant, residual hydrant, nearest cross streets, project area, and surrounding features (or attach the site plan).			
Flow Hydrant Data			
Size of Nozzle	Pitot Reading (psi)	Flow (gpm)	
Residual Hydrant Data			
Static Pressure (psi)		Residual Pressure (psi)	

Calculations

Pressure Drop (static to residual) (psi):

Percent Pressure Drop (%)

Calculated available flow at 20 psi residual pressure (Q_R)

$$Q_R = Q_F \times \frac{h_r^{0.54}}{h_f^{0.54}}$$

Where:

h_r = pressure drop to desired residual pressure (desired residual is 20 psi)

h_f = pressure drop during test

Q_F = flow during test

Q_R = _____

Testing Firm Representative Signature

Date

Contractor Signature

Date

For City Use

Test Observed By:

Title:

Signature:

Date:

Test Results Reviewed By:

Title:

Signature:

Date: