

Arizona Flow Testing LLC

HYDRANT FLOW TEST REPORT

Project Name:	Promenade-Falcon Eye Ventures
Project Address:	7435 East Frank Lloyd Wright Blvd., Scottsdale, Arizona 85260
Client Project No.:	240304
Arizona Flow Testing Project No.:	24658
Flow Test Permit No.:	C76086
Date and time flow test conducted:	August 19, 2024 at 6:45 AM
Data is current and reliable until:	February 19, 2025
Conducted by:	Floyd Vaughan – Arizona Flow Testing, LLC (480-250-8154)
Witnessed by:	Sonny Schreiner –City of Scottsdale-Inspector (602-819-7718)

Raw Test Data

Static Pressure: **66.0 PSI**
(Measured in pounds per square inch)

Residual Pressure: **54.0 PSI**
(Measured in pounds per square inch)

Pitot Pressure: **28.0 PSI**
(Measured in pounds per square inch)

Diffuser Orifice Diameter: One 4-inch Pollard Diffuser
(Measured in inches)

Coefficient of Diffuser: 0.9

Flowing GPM: **2,274 GPM**
(Measured in gallons per minute)

GPM @ 20 PSI: **4,698 GPM**

Data with 10% Safety Factor

Static Pressure: **59.4 PSI**
(Measured in pounds per square inch)

Residual Pressure: **47.4 PSI**
(Measured in pounds per square inch)

Approx. distance between hydrants: 440 Feet

Main size: Not provided

Flowing GPM: **2,274 GPM**

GPM @ 20 PSI: **4,321 GPM**

Flow Test Location

North ↑

