

Arizona Flow Testing LLC

HYDRANT FLOW TEST REPORT

Project Name:	Palm Ln
Project Address:	7320 East Palm Lane, Scottsdale, Arizona, 85257
Client Project No.:	412PA2024 - 84Z85
Arizona Flow Testing Project No.:	24678
Flow Test Permit No.:	C76122
Date and time flow test conducted:	August 19, 2024 at 8:40 AM
Data is current and reliable until:	February 19, 2025
Conducted by:	Floyd Vaughan – Arizona Flow Testing, LLC (480-250-8154)
Coordinated by:	Chris Mendez – City of Scottsdale-Inspector (602-9028-9046)

Raw Test Data

Static Pressure: **98.0 PSI**
(Measured in pounds per square inch)

Residual Pressure: **85.0 PSI**
(Measured in pounds per square inch)

Pitot Pressure: **35.0 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: **2,542 GPM**
(Measured in gallons per minute)

GPM @ 20 PSI: **6,690 GPM**

Data with 26 PSI Safety Factor

Static Pressure: **72.0 PSI**
(Measured in pounds per square inch)

Residual Pressure: **59.0 PSI**
(Measured in pounds per square inch)

Approx. distance between hydrants: 990 Feet

Main size: Not Provided

Flowing GPM: **2,542 GPM**

GPM @ 20 PSI: **5,374 GPM**

Scottsdale requires a maximum Static Pressure of 72 PSI for AFES Design.

Flow Test Location

North ↑

