

Arizona Flow Testing LLC

HYDRANT FLOW TEST REPORT

Project Name: One Scottsdale
Project Address: Scottsdale Road & Thompson Peak, Scottsdale, Arizona 85255
Client Project No.: 215234
Flow Test Permit Number: C73396
Arizona Flow Testing Project No.: 23797
Date and Time flow test conducted: October 6, 2023 at 7:55 AM
Data is current and reliable until: April 6, 2024
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: **106.0 PSI**
(Measured in pounds per square inch)

Residual Pressure: **87.0 PSI**
(Measured in pounds per square inch)

Pitot Pressure: **52.0 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: **3,099 GPM**
(Measured in gallons per minute)

GPM @ 20 PSI: **7,003 GPM**

Data with 34 PSI Safety Factor

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

Residual Pressure: **53.0 PSI**
(Measured in pounds per square inch)

Approx. distance between hydrants: 630 Feet

Main size: Not Provided

Flowing GPM: **3,099 GPM**

GPM @ 20 PSI: **5,337 GPM**

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

Flow Test Location

North ↑

