

# Arizona Flow Testing LLC

## HYDRANT FLOW TEST REPORT

Project Name: The Villas at the Gin  
Project Address: Estrella Parkway & Edison Road (SEC), Maricopa, Arizona 85139  
Client Project No: 347  
Arizona Flow Testing Project No.: 22838  
Flow Test Permit No.: FP22-0193  
Date and Time flow test conducted: November 29, 2022 at 8:50 AM  
Data is current and reliable until: November 29, 2023  
Conducted by: Floyd Vaughan – Arizona Flow Testing, LLC (480-250-8154)  
Witnessed by: Salvador Erivez – Maricopa Fire Dept (520-709-0089)  
Witnessed by: Phillip Tracy - Global Water (520-235-8487)

### Raw Test Data

Static Pressure: **64.0 PSI**  
(Measured in pounds per square inch)

Residual Pressure: **50.0 PSI**  
(Measured in pounds per square inch)

Pitot Pressure: **17.0 PSI**  
(Measured in pounds per square inch)

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

Coefficient of Diffusers: 0.9

Flowing GPM: **1,772 GPM**  
(Measured in gallons per minute)

GPM @ 20 PSI: **3,288 GPM**

### Data with 10 % Safety Factor

Static Pressure: **57.6 PSI**  
(Measured in pounds per square inch)

Residual Pressure: **43.6 PSI**  
(Measured in pounds per square inch)

Distance between hydrants: Approx. 400 Feet

Main size: Not Provided

Approx.: gallons used during flow test: 2,100 Gals.

Flowing GPM: **1,772 GPM**

GPM @ 20 PSI: **3,020 GPM**

### Flow Test Location

North ↑

