

# Flow Test Summary

Project Name: EJFT 23255-1 - Legacy & Miller

Project Address: E Thompson Peak Pkwy & 76th St, Scottsdale, az 85255

Date of Flow Test: 2023-06-16
Time of Flow Test: 7:15 AM
Data Reliable Until: 2023-12-16

Conducted By: Steven Saethre & Sheila Schauble (EJ Flow Test) 602.999.7637

Witnessed By: Vince Cusumano (City of Scottsdale) 480.312.5761

City Forces Contacted: City of Scottsdale (480.312.5761)

Permit Number: C72617

Note Scottsdale Requires a Maximum Static Pressure of 72 psi for Safety

#### **Raw Flow Test Data**

Static Pressure: 104.0 PSI
Residual Pressure: 90.0 PSI
Flowing GPM: 2,645
GPM @ 20 PSI: 6,960

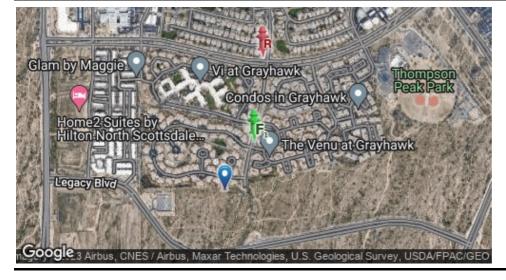
### Data with a 32 PSI Safety Factor

Static Pressure: 72.0 PSI
Residual Pressure: 58.0 PSI
Flowing GPM: 2,645
GPM @ 20 PSI: 5,372

#### Hydrant F<sub>1</sub>

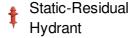
Pitot Pressure (1): 55 PSI Coefficient of Discharge (1): 0.9

Hydrant Orifice Diameter (1): 4 inches Additional Coefficient 0.83 on orifice #1





**Project Site** 





Distance Between F<sub>1</sub> and R 1149 ft (measured linearly)

Static-Residual Elevation 1681 ft (above sea level)

Flow Hydrant (F<sub>1</sub>) Elevation 1659 ft (above sea level)

Elevation & distance values are approximate



# Flow Test Summary

**Static-Residual Hydrant** 



Flow Hydrant (only hydrant F1 shown for clarity)



#### **Approximate Project Site**



## Water Supply Curve N<sup>1.85</sup> Graph

