



Flow Test Summary

Project Name: EJFT 22026.1 - Scottsdale Panera
Project Address: 8970 E Shea Blvd, Scottsdale, AZ 85260
Date of Flow Test: 2022-01-28
Time of Flow Test: 7:30 AM
Data Reliable Until: 2022-07-28
Conducted By: Austin Gourley & Caleb Crabbs (EJ Flow Tests) 602.999.7637
Witnessed By: Vincent Cusumano (City of Scottsdale) 606.828.0847
City Forces Contacted: City of Scottsdale (602.828.0847)
Permit Number: C67298

Note Scottsdale requires a max static pressure of 72 psi for safety factor.

Raw Flow Test Data

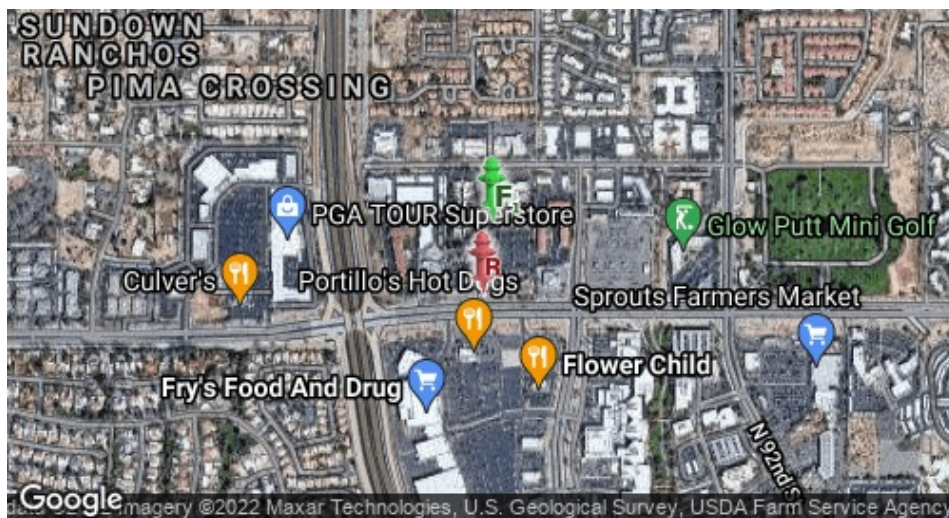
Static Pressure: 87.0 PSI
Residual Pressure: 56.0 PSI
Flowing GPM: 1,590
GPM @ 20 PSI: 2,411



Data with a 15 PSI Safety Factor

Static Pressure: 72.0 PSI
Residual Pressure: 41.0 PSI
Flowing GPM: 1,590
GPM @ 20 PSI: 2,102

Hydrant F₁

Pitot Pressure (1): 25 PSI
Coefficient of Discharge (1): 0.9
Hydrant Orifice Diameter (1): 2.5 inches
Pitot Pressure (2): 20 PSI
Coefficient of Discharge (2): 0.9
Hydrant Orifice Diameter (2): 2.5 inches



 Static-Residual Hydrant
 Flow Hydrant
Distance Between F₁ and R
509 ft (measured linearly)
Static-Residual Elevation
1371 ft (above sea level)
Flow Hydrant (F₁) Elevation
1375 ft (above sea level)
Elevation & distance values are approximate

Static-Residual Hydrant



Flow Hydrant (only hydrant F1 shown for clarity)



Approximate Project Site



Water Supply Curve N^{1.85} Graph

