



Flow Test Summary

Project Name: EJFT 24331 - Polk Living
Project Address: 7601 E Polk, Scottsdale, AZ 85248
Date of Flow Test: 2024-09-20
Time of Flow Test: 6:50 AM
Data Reliable Until: 2025-03-20
Conducted By: Alonzo M. & Simon R. (EJ Flow Tests) 623.999.7637
Witnessed By: Chris Mendez (City of Scottsdale) 602.908.9046
City Forces Contacted: City of Scottsdale (602.908.9046)
Permit Number: C76453

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

Raw Flow Test Data

Static Pressure: 109.0 PSI
Residual Pressure: 84.0 PSI
Flowing GPM: 2,338
GPM @ 20 PSI: 4,640


Data with a 37 PSI Safety Factor

Static Pressure: 72.0 PSI
Residual Pressure: 47.0 PSI
Flowing GPM: 2,338
GPM @ 20 PSI: 3,472

Hydrant F₁

Pitot Pressure (1): 47 PSI
Coefficient of Discharge (1): 0.9
Hydrant Orifice Diameter (1): 2.5 inches
Pitot Pressure (2): 50 PSI
Coefficient of Discharge (2): 0.9
Hydrant Orifice Diameter (2): 2.5 inches



 Static-Residual Hydrant

 Flow Hydrant

Distance Between F₁ and R
544 ft (measured linearly)

Static-Residual Elevation
1193 ft (above sea level)

Flow Hydrant (F₁) Elevation
1199 ft (above sea level)

Elevation & distance values are approximate

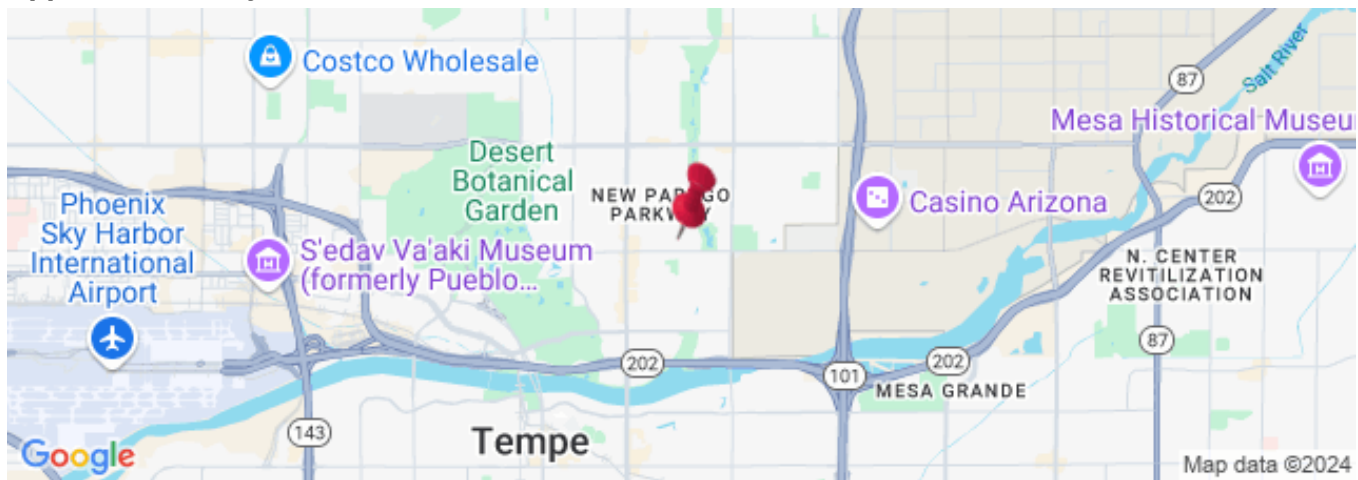
Static-Residual Hydrant



Flow Hydrant (only hydrant F1 shown for clarity)



Approximate Project Site



Water Supply Curve N^{1.85} Graph

