



Flow Test Summary

Project Name: EJFT 22276 - 101 Scottsdale
Project Address: N Scottsdale Rd & E Mayo Blvd, Scottsdale, AZ 85255
Date of Flow Test: 2022-06-10
Time of Flow Test: 6:35 AM
Data Reliable Until: 2022-12-10
Conducted By: Eder Cueva & Caleb Crabbs (EJ Flow Tests) 602.999.7637
Witnessed By: Sonny Schreiner (City of Scottsdale) 602.819.7718
City Forces Contacted: City of Scottsdale (602.819.7718)
Permit Number: C69081

Note Static pressure on the flow hydrant was 64 PSI.

Raw Flow Test Data

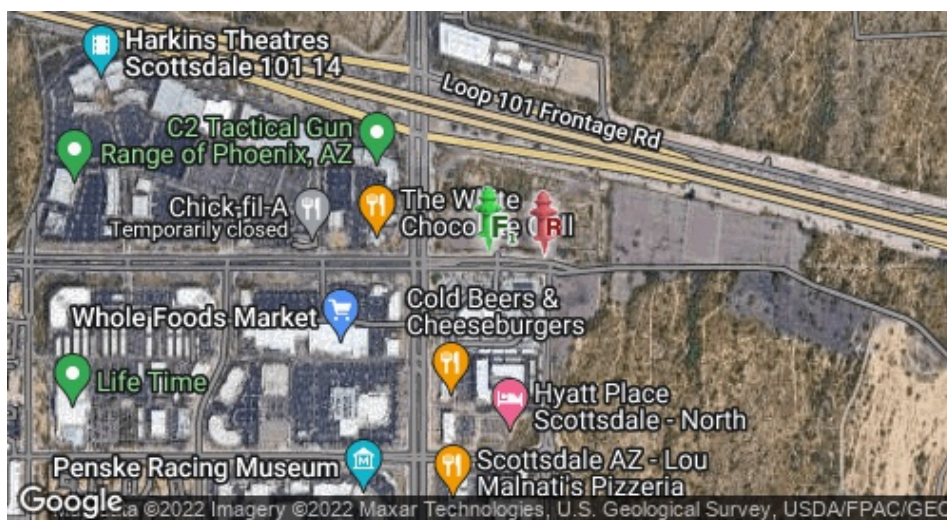
Static Pressure: 64.0 PSI
Residual Pressure: 57.0 PSI
Flowing GPM: 2,110
GPM @ 20 PSI: 5,694



Data with a 10 % Safety Factor

Static Pressure: 57.6 PSI
Residual Pressure: 50.6 PSI
Flowing GPM: 2,110
GPM @ 20 PSI: 5,230

Hydrant F₁

Pitot Pressure (1): 35 PSI
Coefficient of Discharge (1): 0.9
Hydrant Orifice Diameter (1): 4 inches
Additional Coefficient 0.83 on orifice #1



 Static-Residual Hydrant
 Flow Hydrant
Distance Between F₁ and R
369 ft (measured linearly)
Static-Residual Elevation
1592 ft (above sea level)
Flow Hydrant (F₁) Elevation
1590 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

