



Flow Test Summary

Project Name: EJFT 22415 - 94th St and Bell Rd
Project Address: E Bell Rd & N 94th St, Scottsdale, AZ 85260
Date of Flow Test: 2022-09-14
Time of Flow Test: 6:50 AM
Data Reliable Until: 2023-03-14
Conducted By: Eder Cueva & Caleb Crabbs (EJ Flow Tests) 602.999.7637
Witnessed By: Vince Cusumano (City of Scottsdale) 602.828.0847
City Forces Contacted: City of Scottsdale (602.828.0847)
Permit Number: C70118

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

Raw Flow Test Data

Static Pressure: 84.0 PSI
Residual Pressure: 82.0 PSI
Flowing GPM: 2,123
GPM @ 20 PSI: 13,796



Data with a 12 PSI Safety Factor

Static Pressure: 72.0 PSI
Residual Pressure: 70.0 PSI
Flowing GPM: 2,123
GPM @ 20 PSI: 12,333

Hydrant F₁

Pitot Pressure (1): 40 PSI
Coefficient of Discharge (1): 0.9
Hydrant Orifice Diameter (1): 2.5 inches
Pitot Pressure (2): 40 PSI
Coefficient of Discharge (2): 0.9
Hydrant Orifice Diameter (2): 2.5 inches



 Static-Residual Hydrant
 Flow Hydrant
Distance Between F₁ and R
1269 ft (measured linearly)
Static-Residual Elevation
1572 ft (above sea level)
Flow Hydrant (F₁) Elevation
1573 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

