

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

Vince Cusumano (City of Scottsdale) 602.828.0847 Witnessed By:

City Forces Contacted: City of Scottsdale (602.828.0847)

Permit Number: C70118

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

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

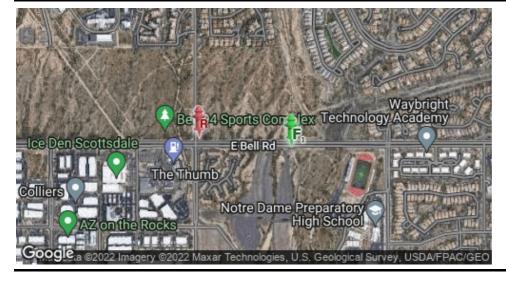
Hydrant F₁

Pitot Pressure (1): **PSI**

Coefficient of Discharge (1): 0.9

Hydrant Orifice Diameter (1): 2.5 inches Pitot Pressure (2): 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



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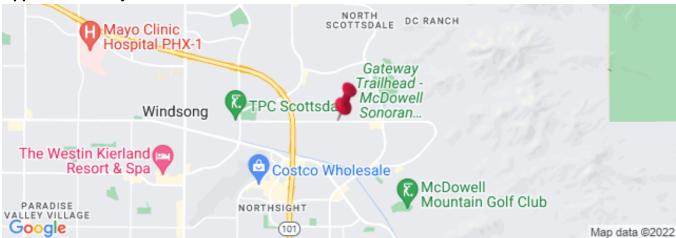
Static-Residual Hydrant



Flow Hydrant (only hydrant F1 shown for clarity)



Approximate Project Site



Water Supply Curve N^{1.85} Graph

