



Flow Test Summary

Project Name: EJFT 19040
Project Address: 6951 E 1st St, Scottsdale, AZ 85251
Date of Flow Test: 2019-02-15
Time of Flow Test: 8:30 AM
Data Reliable Until: 2019-08-15
Conducted By: Eder Cueva & Tayler Lynch (EJ Flow Tests) 602.999.7637
Witnessed By: Ray Padilla (City of Scottsdale) 602.541.0586
City Forces Contacted: City of Scottsdale (602.541.0586)
Permit Number: C57402

Raw Flow Test Data

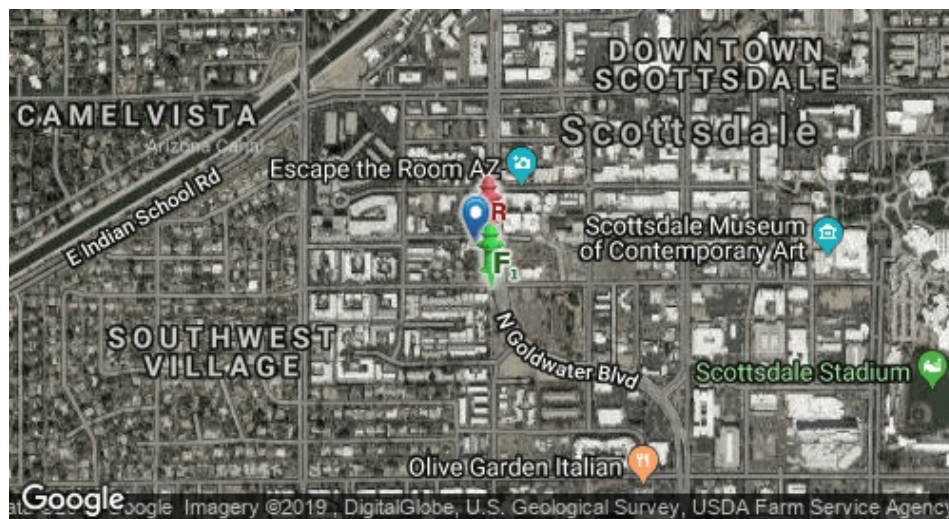
Static Pressure: 80.0 PSI
Residual Pressure: 64.0 PSI
Flowing GPM: 1,986
GPM @ 20 PSI: 4,054

Data with a 10 % Safety Factor

Static Pressure: 72.0 PSI
Residual Pressure: 56.0 PSI
Flowing GPM: 1,986
GPM @ 20 PSI: 3,753

Hydrant F₁

Pitot Pressure (1): 31 PSI
Coefficient of Discharge (1): 0.9
Hydrant Orifice Diameter (1): 4 inches
Additional Coefficient 0.83 on orifice #1



- Project Site
- Static-Residual Hydrant
- Flow Hydrant
- Distance Between F₁ and R
326 ft (measured linearly)
- Static-Residual Elevation
1260 ft (above sea level)
- Flow Hydrant (F₁) Elevation
1258 ft (above sea level)
- Elevation & distance values are approximate

EJ Flow Tests, LLC

21505 North 78th Ave. | Suite 130 | Peoria, Arizona 85382 | (602) 999-7637 | www.ejengineering.com
John L. Echeverri | NICET Level IV 078493 SME | C-16 FP Contractor ROC 271705 AZ | NFPA CFPS 1915
www.flowtestsummary.com

Static-Residual Hydrant



Flow Hydrant (only hydrant F1 shown for clarity)



Approximate Project Site



Water Supply Curve N^{1.85} Graph

