



Flow Test Summary

Project Name: EJFT 22146 - Quail Crest Trails
Project Address: 122nd Street & East Rio Verde Road, Scottsdale, AZ 85262
Date of Flow Test: 2022-04-04
Time of Flow Test: 7:28 AM
Data Reliable Until: 2022-10-04
Conducted By: Steven Saethre & Caleb Crabbs (EJ Flow Test) 602.999.7637
Witnessed By: Christopher Mendez (City of Scottsdale) 602.908.9046
City Forces Contacted: City of Scottsdale (602.908.9046)
Permit Number: C68381

Raw Flow Test Data

Static Pressure: 50.0 PSI
Residual Pressure: 44.0 PSI
Flowing GPM: 1,792
GPM @ 20 PSI: 4,272


Data with a 10 % Safety Factor

Static Pressure: 45.0 PSI
Residual Pressure: 39.0 PSI
Flowing GPM: 1,792
GPM @ 20 PSI: 3,872

Hydrant F₁

Pitot Pressure (1): 27 PSI
Coefficient of Discharge (1): 0.9
Hydrant Orifice Diameter (1): 2.5 inches
Pitot Pressure (2): 30 PSI
Coefficient of Discharge (2): 0.9
Hydrant Orifice Diameter (2): 2.5 inches



 Static-Residual Hydrant

 Flow Hydrant

Distance Between F₁ and R
1326 ft (measured linearly)

Static-Residual Elevation
2677 ft (above sea level)

Flow Hydrant (F₁) Elevation
2643 ft (above sea level)

Elevation & distance values are approximate

EJ Flow Tests, LLC

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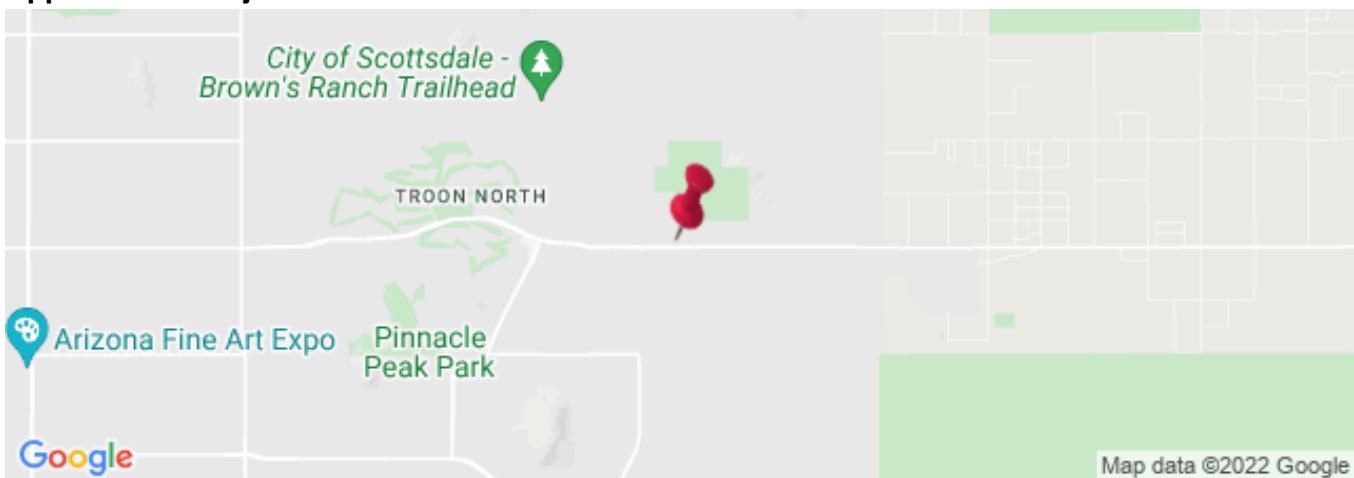
Static-Residual Hydrant



Flow Hydrant (only hydrant F1 shown for clarity)



Approximate Project Site



Water Supply Curve N^{1.85} Graph

