

Flow Test Summary

Project Name: EJFT 22154 - Artesia

Project Address: North Scottsdale Road & East Indian Bend Road, Scottsdale, Az 85253

Date of Flow Test: 2022-04-14 Time of Flow Test: 7:23 AM Data Reliable Until: 2022-10-14

Conducted By: Steven Saethre & Caleb Crabbs (EJ Flow Test) 602.999.7637

Christopher Mendez (City of Scottsdale) 602.908.9046 Witnessed By:

City Forces Contacted: City of Scottsdale (602.908.9046)

Permit Number: C68359

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

Raw Flow Test Data

Static Pressure: 82.0 PSI Residual Pressure: 50.0 PSI Flowing GPM: 1,573 GPM @ 20 PSI: 2,248

Data with a 10 PSI Safety Factor

Static Pressure: 72.0 PSI Residual Pressure: 40.0 PSI Flowing GPM: 1,573 GPM @ 20 PSI: 2,044

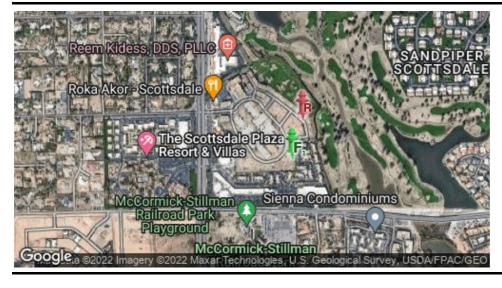
Hydrant F₁

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 541 ft (measured linearly)

Static-Residual Elevation 1291 ft (above sea level)

Flow Hydrant (F₁) Elevation 1296 ft (above sea level)

Elevation & distance values are approximate



Flow Test Summary

Static-Residual Hydrant



Flow Hydrant (only hydrant F1 shown for clarity)



Approximate Project Site



Water Supply Curve N^{1.85} Graph

