



Flow Test Summary

Project Name: EJFT 24105 - Cavasson
Project Address: N. Hayden Road & Loop 101, Scottsdale, Az 85255
Date of Flow Test: 2024-04-18
Time of Flow Test: 7:22 AM
Data Reliable Until: 2024-10-18
Conducted By: Steven Saethre & Simon Rohklin (EJ Flow Tests) 602.999.7637
Witnessed By: Christopher Mendez (City of Scottsdale) 602.908.9046
City Forces Contacted: City of Scottsdale (602.908.9046)
Permit Number: C4981

Raw Flow Test Data

Static Pressure: 66.0 PSI
Residual Pressure: 49.0 PSI
Flowing GPM: 3,866
GPM @ 20 PSI: 6,617

Data with a 10 % Safety Factor

Static Pressure: 59.4 PSI
Residual Pressure: 42.4 PSI
Flowing GPM: 3,866
GPM @ 20 PSI: 6,086

Hydrant F₁

Pitot Pressure (1): 40 PSI
Coefficient of Discharge (1): 0.9
Hydrant Orifice Diameter (1): 4 inches
Additional Coefficient 0.83 on orifice #1

Hydrant F₂

Pitot Pressure (1): 23 PSI
Coefficient of Discharge (1): 0.9
Hydrant Orifice Diameter (1): 2.5 inches
Pitot Pressure (2): 23 PSI
Coefficient of Discharge (2): 0.9
Hydrant Orifice Diameter (2): 2.5 inches



 Static-Residual Hydrant

 Flow Hydrant

Distance Between F₁ and R
333 ft (measured linearly)

Static-Residual Elevation
1611 ft (above sea level)

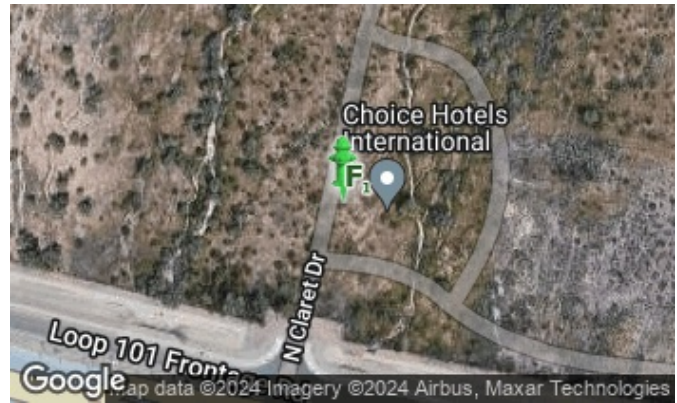
Flow Hydrant (F₁) Elevation
1611 ft (above sea level)

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

