



# Flow Test Summary

Project Name: EJFT 24328 - Jenkins Hanger  
Project Address: 16061 N 81st St, Scottsdale, AZ 85260  
Date of Flow Test: 2024-09-16  
Time of Flow Test: 7:10 AM  
Data Reliable Until: 2025-03-16  
Conducted By: Alonzo M. & Simon R. (EJ Flow Test) 623.999.7637  
Witnessed By: Chris Mendez (City of Scottsdale) 602.908.9046  
City Forces Contacted: City of Scottsdale (602.908.9046)  
Permit Number: C76413

## Raw Flow Test Data

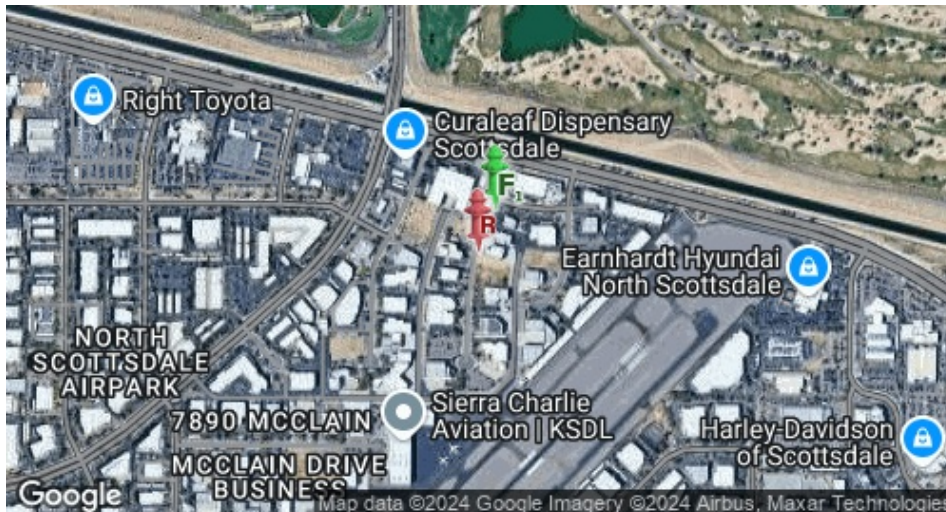
Static Pressure: 67.0 PSI  
Residual Pressure: 51.0 PSI  
Flowing GPM: 1,783  
GPM @ 20 PSI: 3,191


## Data with a 10 % Safety Factor

Static Pressure: 60.3 PSI  
Residual Pressure: 44.3 PSI  
Flowing GPM: 1,783  
GPM @ 20 PSI: 2,937

## Hydrant F<sub>1</sub>

Pitot Pressure (1): 25 PSI  
Coefficient of Discharge (1): 0.9  
Hydrant Orifice Diameter (1): 4 inches  
Additional Coefficient 0.83 on orifice #1



 Static-Residual Hydrant

 Flow Hydrant

Distance Between F<sub>1</sub> and R  
326 ft (measured linearly)

Static-Residual Elevation  
1509 ft (above sea level)

Flow Hydrant (F<sub>1</sub>) Elevation  
1514 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 |  
John L. Echeverri | NICET Level IV 78493 SME | C-16 FP Contractor ROC 271705 AZ | NFPA CFPS 1915  
www.flowtestsummary.com

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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

