



# Flow Test Summary

Project Name: EJFT 23059 - 94th Street & Bell Road  
Project Address: East Bell Road & North 94th Street, Scottsdale, AZ 85260  
Date of Flow Test: 2023-02-15  
Time of Flow Test: 7:20 AM  
Data Reliable Until: 2023-08-15  
Conducted By: Steven Saethre & Simon Rohklin (EJ Flow Tests) 602.999.7637  
Witnessed By: Vince Cusumano (City of Scottsdale) 480.312.5761  
City Forces Contacted: City of Scottsdale (480.312.5761)  
Permit Number: C71424

## Raw Flow Test Data

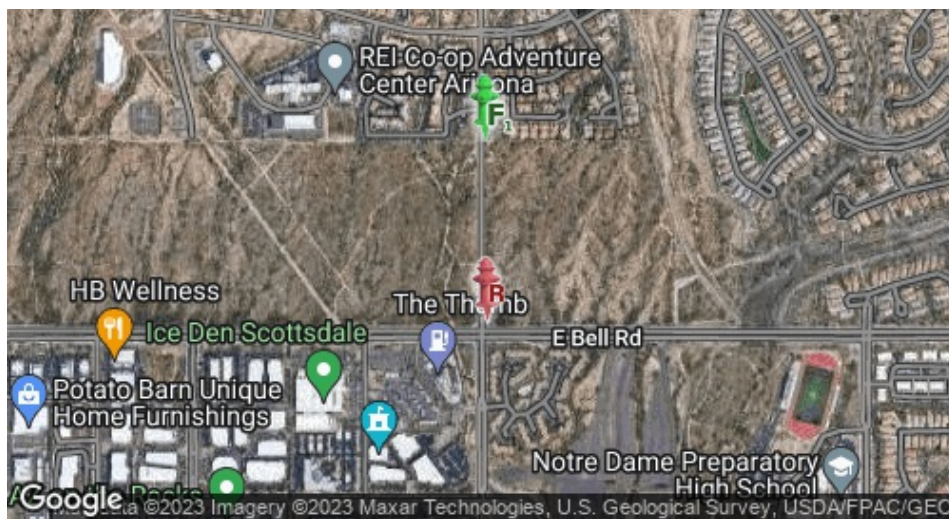
Static Pressure: 80.0 PSI  
Residual Pressure: 74.0 PSI  
Flowing GPM: 1,943  
GPM @ 20 PSI: 6,735



## Data with a 10 % Safety Factor

Static Pressure: 72.0 PSI  
Residual Pressure: 66.0 PSI  
Flowing GPM: 1,943  
GPM @ 20 PSI: 6,235

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

Pitot Pressure (1): 35 PSI  
Coefficient of Discharge (1): 0.9  
Hydrant Orifice Diameter (1): 2.5 inches  
Pitot Pressure (2): 32 PSI  
Coefficient of Discharge (2): 0.9  
Hydrant Orifice Diameter (2): 2.5 inches



 Static-Residual Hydrant  
 Flow Hydrant  
Distance Between F<sub>1</sub> and R  
1248 ft (measured linearly)  
Static-Residual Elevation  
1572 ft (above sea level)  
Flow Hydrant (F<sub>1</sub>) Elevation  
1593 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<sup>1.85</sup> Graph

