



# Flow Test Summary

Project Name: EJFT 22336 - Desert Cove Self Storage Facility  
Project Address: 8888 E Desert Cove Ave, Scottsdale, AZ 85260  
Date of Flow Test: 2022-07-15  
Time of Flow Test: 7:25 AM  
Data Reliable Until: 2023-01-15  
Conducted By: Eder Cueva & Simon Rokhlin (EJ Flow Tests) 602.999.7637  
Witnessed By: Vince Cusumano (City of Scottsdale) 602.828.0847  
City Forces Contacted: City of Scottsdale (602.828.0847)  
Permit Number: C69470

## Raw Flow Test Data

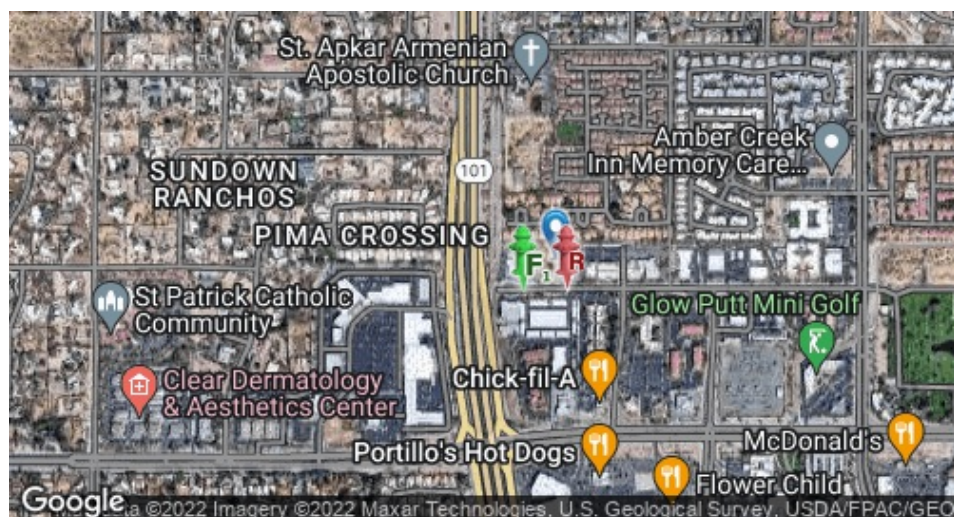
Static Pressure: 76.0 PSI  
Residual Pressure: 36.0 PSI  
Flowing GPM: 1,009  
GPM @ 20 PSI: 1,210

## Data with a 10 % Safety Factor

Static Pressure: 68.4 PSI  
Residual Pressure: 28.4 PSI  
Flowing GPM: 1,009  
GPM @ 20 PSI: 1,118

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

Pitot Pressure (1): 8 PSI  
Coefficient of Discharge (1): 0.9  
Hydrant Orifice Diameter (1): 4 inches  
Additional Coefficient 0.83 on orifice #1



Project Site

Static-Residual Hydrant

Flow Hydrant

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

Static-Residual Elevation  
1376 ft (above sea level)

Flow Hydrant (F<sub>1</sub>) Elevation  
1377 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

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## Static-Residual Hydrant



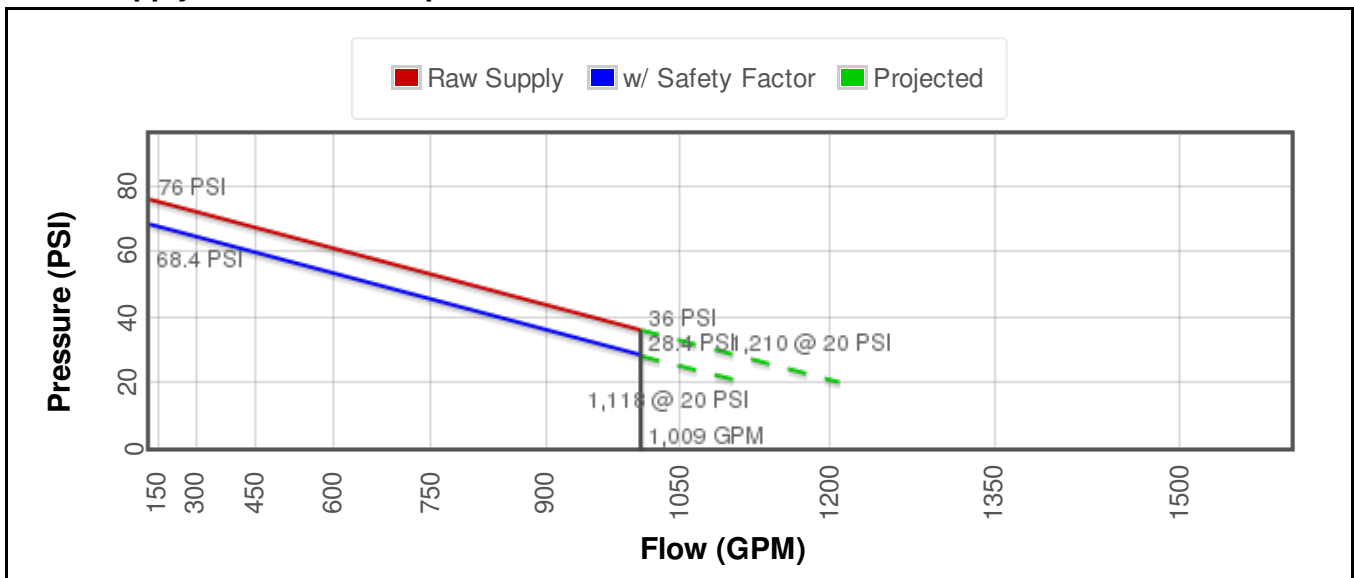
## Flow Hydrant (only hydrant F1 shown for clarity)



## Approximate Project Site



## Water Supply Curve N<sup>1.85</sup> Graph





# Flow Test Summary

Project Name: EJFT 22336-1 - Desert Cove Self Storage Facility  
Project Address: 8888 E Desert Cove Ave, Scottsdale, AZ 85260  
Date of Flow Test: 2022-07-15  
Time of Flow Test: 7:35 AM  
Data Reliable Until: 2023-01-15  
Conducted By: Eder Cueva & Simon Rokhlin (EJ Flow Tests) 602.999.7637  
Witnessed By: Vince Cusumano (City of Scottsdale) 602.828.0847  
City Forces Contacted: City of Scottsdale (602.828.0847)  
Permit Number: C69470

## Raw Flow Test Data

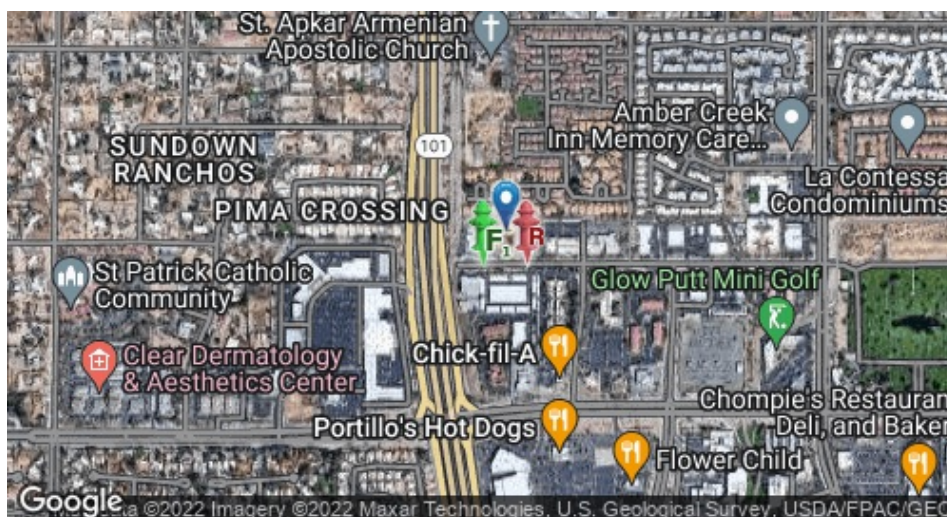
Static Pressure: 80.0 PSI  
Residual Pressure: 58.0 PSI  
Flowing GPM: 1,062  
GPM @ 20 PSI: 1,825

## Data with a 10 % Safety Factor

Static Pressure: 72.0 PSI  
Residual Pressure: 50.0 PSI  
Flowing GPM: 1,062  
GPM @ 20 PSI: 1,689

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

Pitot Pressure (1): 40 PSI  
Coefficient of Discharge (1): 0.9  
Hydrant Orifice Diameter (1): 2.5 inches



- Project Site
  - Static-Residual Hydrant
  - Flow Hydrant
- Distance Between F<sub>1</sub> and R  
305 ft (measured linearly)
- Static-Residual Elevation  
1376 ft (above sea level)
- Flow Hydrant (F<sub>1</sub>) Elevation  
1377 ft (above sea level)
- Elevation & distance values are approximate

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## Static-Residual Hydrant



## Flow Hydrant (only hydrant F1 shown for clarity)



## Approximate Project Site



## Water Supply Curve N<sup>1.85</sup> Graph

