The proposed storage structure is 6,700 SF therefore per 2015 IPC the fire flow required is 2,250 GPM


# METRO FIRE EQUIPMENT, INC.

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AZ ROC# C-16:111021 • CR-67:103313 • CR-5: 213027 • CR-80:295875 • R-16:166777


## Hydrant Flow Test Report

| | | | | | | |
|---|---|---|---|---|---|---|
| LOCATION | 11420 East Shea Boulevard, Scottsdale, AZ | | | | DATE: | 2/10/2021 |
| TEST BY: | Metro Fire Equipment | | TIME: | 7:00 AM | | |
| WATER SUPPLIED BY: | City of Scottsdale | | | | | |
| PURPOSE OF TEST: | Water Curve Data | | | | | |

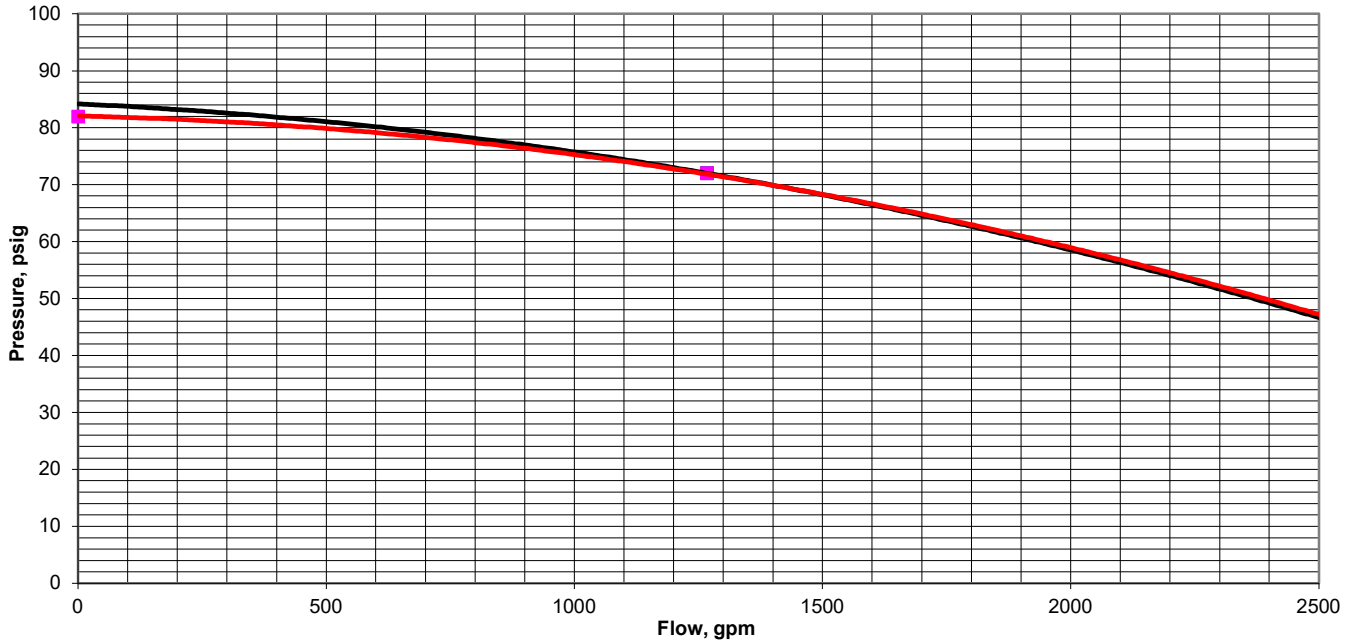
**DATA**

| FLOW HYDRANT(S) | A1 | A2 | | |
|---|---|---|---|---|
| SIZE OPENING: | 2.5 | 2.5 | | |
| COEFFICIENT: | 0.9 | | | |
| PITOT READING: | 57 | 0 | | |
| GPM: | **1267** | 0 | | |
| TOTAL FLOW DURING TEST: | **1267** | GPM | | |

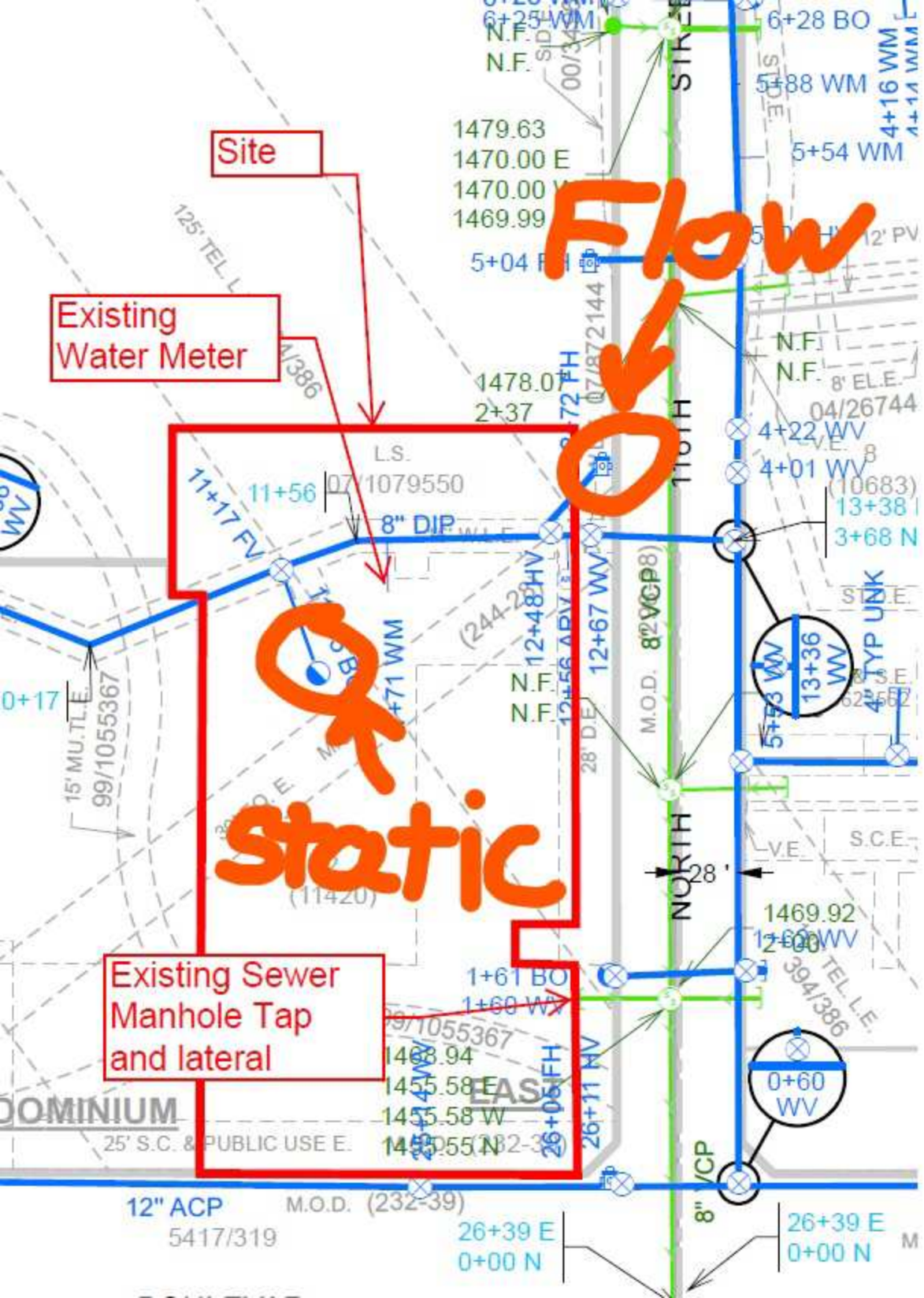
| | | | | | |
|---|---|---|---|---|---|
| STATIC READING: | 82 | PSI | RESIDUAL: | 72 | PSI |

| | | | | | | |
|---|---|---|---|---|---|---|
| **ADJ. STATIC:** | **82** | **PSI** | **RESIDUAL:** | **72** | **PSI** | |
| **ADJ. FLOW:** | **AT 20 PSI RESIDUAL** | **3393** | **GPM** | **AT 0 PSI** | **3946** | **GPM** |

Results of this flow test identify water system characteristics for the date, time, and locations of this test only. Pressure and flows within the water system vary of time, it is expected and should be considered when preparing designs based upon fire flow test data. Numerous factors affect the water system, such as water level fluctuations in reservoirs, operating pressure ranges at booster pump stations, elevations at point of use, daily demand fluctuations, seasonal demands, emergency demands, water treatment plant availability, increased demands due to growth, operation/maintenance schedules, etc.




31-DR-2020
3/5/2021




0 50 100 200

The map scale of 1" = 100' is based on a full size print of 30" x 36"

# WATER & SEWER

## QUARTER SECTION MAP

# 29-55

SW 1/4 SEC. 22 T3N R5E

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3/5/2021