

# Fire Hydrant Flow Test Form

Test form to be filled out and returned in PDF format.

Click to in II. Flow Test Data and III. Calculations.

Hover cursor over fields to display ToolTips.



| I. Project Information (To be completed by Applicant) |        |
|-------------------------------------------------------|--------|
| Name:                                                 | Phone: |
| Company Address:                                      |        |
| Project Name:                                         |        |
| NBU Work Order Numbers:                               |        |

| II. Flow Test Data (To be completed by Applicant) |                            |                       |                       |                |
|---------------------------------------------------|----------------------------|-----------------------|-----------------------|----------------|
| Test Hydrant                                      | NBU FH ID #:               | Plan Sheet/Hydrant #: | Private:              |                |
|                                                   | Location Description:      |                       |                       |                |
|                                                   | Size and Material of Main: |                       |                       |                |
|                                                   | Manufacturer:              |                       | OEM Year:             |                |
|                                                   | Static PSI:                | Residual PSI:         | % Pressure Drop:      | Date and Time: |
| Flow Hydrant                                      | NBU FH ID #:               | Plan Sheet/Hydrant #: | Diameter:             |                |
|                                                   | Size and Material of Main: |                       |                       |                |
|                                                   | Pitot PSI:                 | Observed Flow (GPM):  | Mins Flowed:          | Date and Time: |
|                                                   | Total Water Loss:          |                       |                       |                |
|                                                   | Flow Hydrant               | NBU FH ID #:          | Plan Sheet/Hydrant #: | Diameter:      |
| Size and Material of Main:                        |                            |                       |                       |                |
| Pitot PSI:                                        |                            | Observed Flow (GPM):  | Mins Flowed:          | Date and Time: |
| Total Water Loss:                                 |                            |                       |                       |                |

flowing 2 outlets of one hydrant

| III. Calculations (Auto-populated)                                                |                                                                                                   |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Residual Flow</b><br>$Q_r = 29.83 \times c_d \times D^2 \sqrt{P_p \times H_f}$ | <b>Fire Flow at 20 PSI</b><br>$Q_f = Q_r \times \left( \frac{P_s - 20}{P_s - P_r} \right)^{0.54}$ |
| <b>Cd =</b>                                                                       | <b>Qr =</b>                                                                                       |
| <b>D =</b>                                                                        | <b>Ps =</b>                                                                                       |
| <b>Pp =</b>                                                                       | <b>Pr =</b>                                                                                       |
| <b>Hf =</b>                                                                       | <b>Qf =</b>                                                                                       |
| <b>Qr =</b>                                                                       | <b>NFPA 291 Standard Color Code :</b>                                                             |

| IV. Tester/Company Information (To be completed by Applicant) |        |
|---------------------------------------------------------------|--------|
| Flow Test Conducted by:                                       | Phone: |
| Business License #:                                           |        |
| Company Address:                                              |        |
| Signature:                                                    | Date:  |

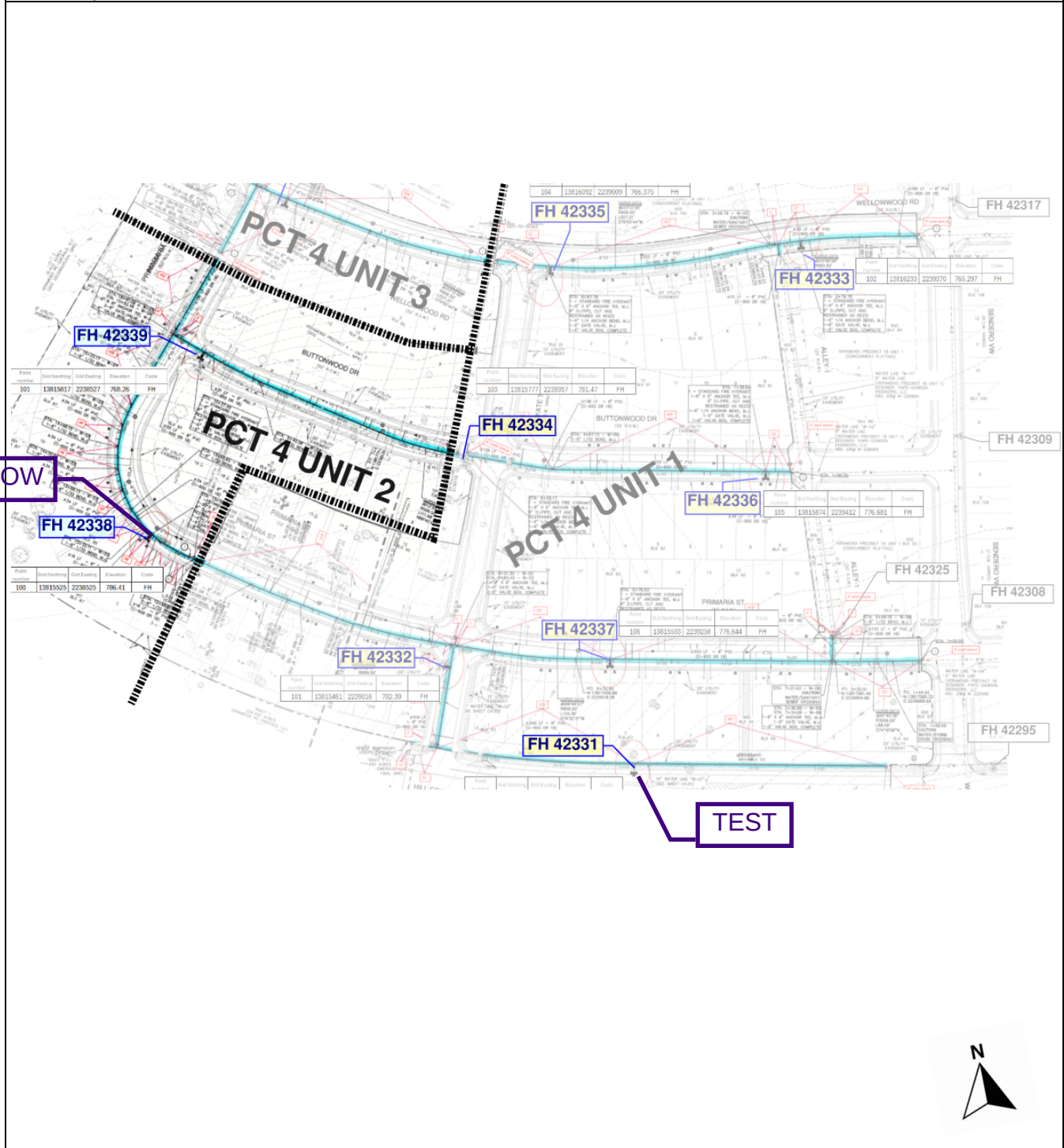
| V. NBFD Fire Hydrant Flow Requirements (To be completed by Fire Department) |                |           |
|-----------------------------------------------------------------------------|----------------|-----------|
| Print Name:                                                                 | Title:         | Accepted: |
| Signature:                                                                  | Date and Time: |           |



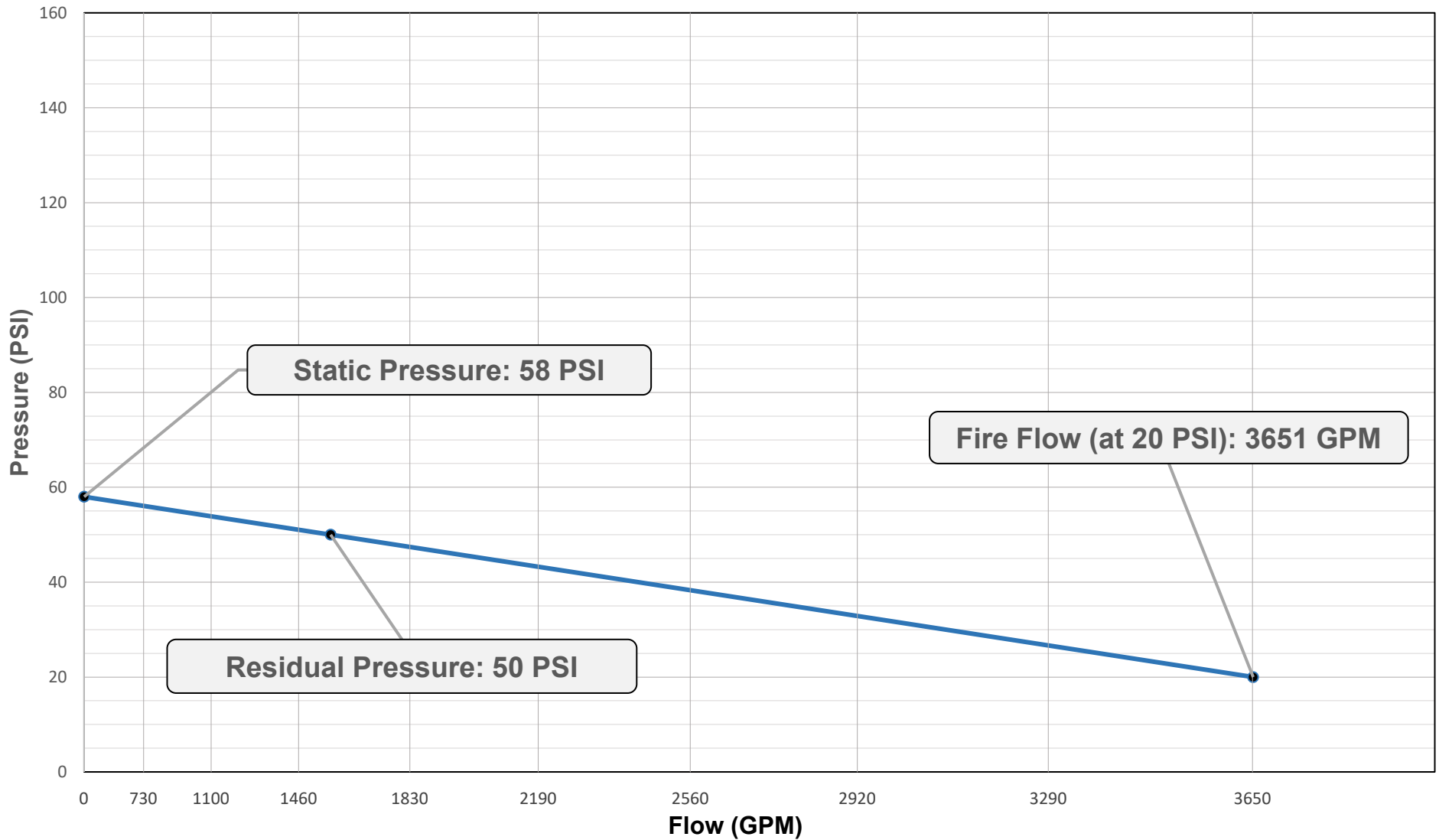
# Fire Hydrant Flow Test Form

## VI. Sketch (Attach any additional calculations and graphs made by testing company)

Label Hydrant Numbers and Street Names



|                        |                                   |
|------------------------|-----------------------------------|
| <b>Project Name:</b>   | Veramendi Pct 4, Unit 2 (Test #1) |
| <b>Project Number:</b> | 26-0138                           |
| <b>Test Date:</b>      | July 24, 2026                     |
| <b>City:</b>           | New Braunfels                     |



|                                |                                  |                                                 |                                         |
|--------------------------------|----------------------------------|-------------------------------------------------|-----------------------------------------|
| <b>Static Pressure:</b> 58 PSI | <b>Residual Pressure:</b> 50 PSI | <b>Flow Test @ Residual Pressure:</b> 1,574 GPM | <b>Fire Flow (at 20 PSI):</b> 3,651 GPM |
|--------------------------------|----------------------------------|-------------------------------------------------|-----------------------------------------|