

# Fire Hydrant Flow Test Form

Required fields highlighted in blue.

Auto-populated Fields:

% Pressure Drop, Total Water Loss, Residual Flow, Fire Flow at 20PSI, and NFPA 291 Standard Color Code.

I. Project Information	
<b>Name:</b> V.K. Knowlton Construction & Utilities, Inc.	<b>Phone:</b> (210) 651-6860
<b>Company Address:</b> 18225 FM 2282 San Antonio, TX 78266	
<b>Project Name:</b> THE LANDING - UNIT 1	
<b>NBU Work Order Numbers:</b>	

Point #	Grid Easting	Grid Northing	Elevation	Code	FH#	Test #:
14	13811538.3900	2273025.4930	662.509	F/H	9	9

II. Flow Test Data		Click <span style="border: 1px solid red; padding: 2px;">Reset Fields</span> to recalculate auto-populated fields.	
Test Hydrant	<b>NBU FH ID #:</b>	<b>Plan Sheet/Hydrant #:</b> Sheet C6.1	8 <b>Private:</b> No
	<b>Location Description:</b> Kroesche Lane at Pilot Way		
	<b>Size and Material of Main:</b> 8 inch main C-900 (200)		
	<b>Manufacturer:</b> CLOW		<b>OEM Year:</b> 2023
	<b>Static PSI:</b> 95	<b>Residual PSI:</b> 53	<b>% Pressure Drop:</b> 44.21 <b>Date and Time:</b> 2/13/2025 10:10 am
Flow Hydrant 1	<b>NBU FH ID #:</b>	<b>Plan Sheet/Hydrant #:</b> Sheet C6.1	9 <b>Diameter:</b> 2.5
	<b>Size and Material of Main:</b> 8 inch main C-900 (200)		
	<b>Pitot PSI:</b> 32	<b>Observed Flow:</b> 949	<b>Minutes Flowed:</b> 2
	<b>Total Water Loss:</b> 1898		
Flow Hydrant 2 (OPTIONAL)	<b>NBU FH ID #:</b>	<b>Plan Sheet/Hydrant #:</b> Sheet C6.1	9 <b>Diameter:</b> 2.5
	<b>Size and Material of Main:</b> ~~FLOWING BOTH OUTLETS OF HYDRANT 1~~		
	<b>Pitot PSI:</b> 32	<b>Observed Flow:</b> 949	<b>Minutes Flowed:</b> 2
	<b>Total Water Loss:</b> 1898		

III. Calculations (Auto-populated)	
<b>Residual Flow</b> $Q_r = 29.83 \times c_d \times D^2 \sqrt{P_p \times H_f}$	<b>Fire Flow at 20 PSI</b> $Q_f = Q_r \times ((P_s - 20) / (P_s - P_r))^{0.54}$
<b>Cd</b> = 0.9	<b>Qr</b> = 1898
<b>D</b> = 2.5	<b>Ps</b> = 95
<b>Pp</b> = 32	<b>Pr</b> = 53
<b>Hf</b> = 2	<b>Qf</b> = 2596
<b>Qr</b> = 1898	<b>NFPA 291 Standard Color Code :</b> 1500 GPM & Above = Light Blue

IV. Tester/Company Information	
<b>Flow Test Conducted by:</b> PROTECTION DEVELOPMENT, INCORPORATED	<b>Phone:</b> (210) 828-7533
<b>Business License #:</b> Texas Registered Engineering Firm (F-2816)	
<b>Company Address:</b> 8620 North New Braunfels Avenue, Suite 100, San Antonio, Texas 78217	
<b>Print Name:</b> Alex Akeroyd and Nicholas Balanciere	<b>Date:</b> 02/13/2025

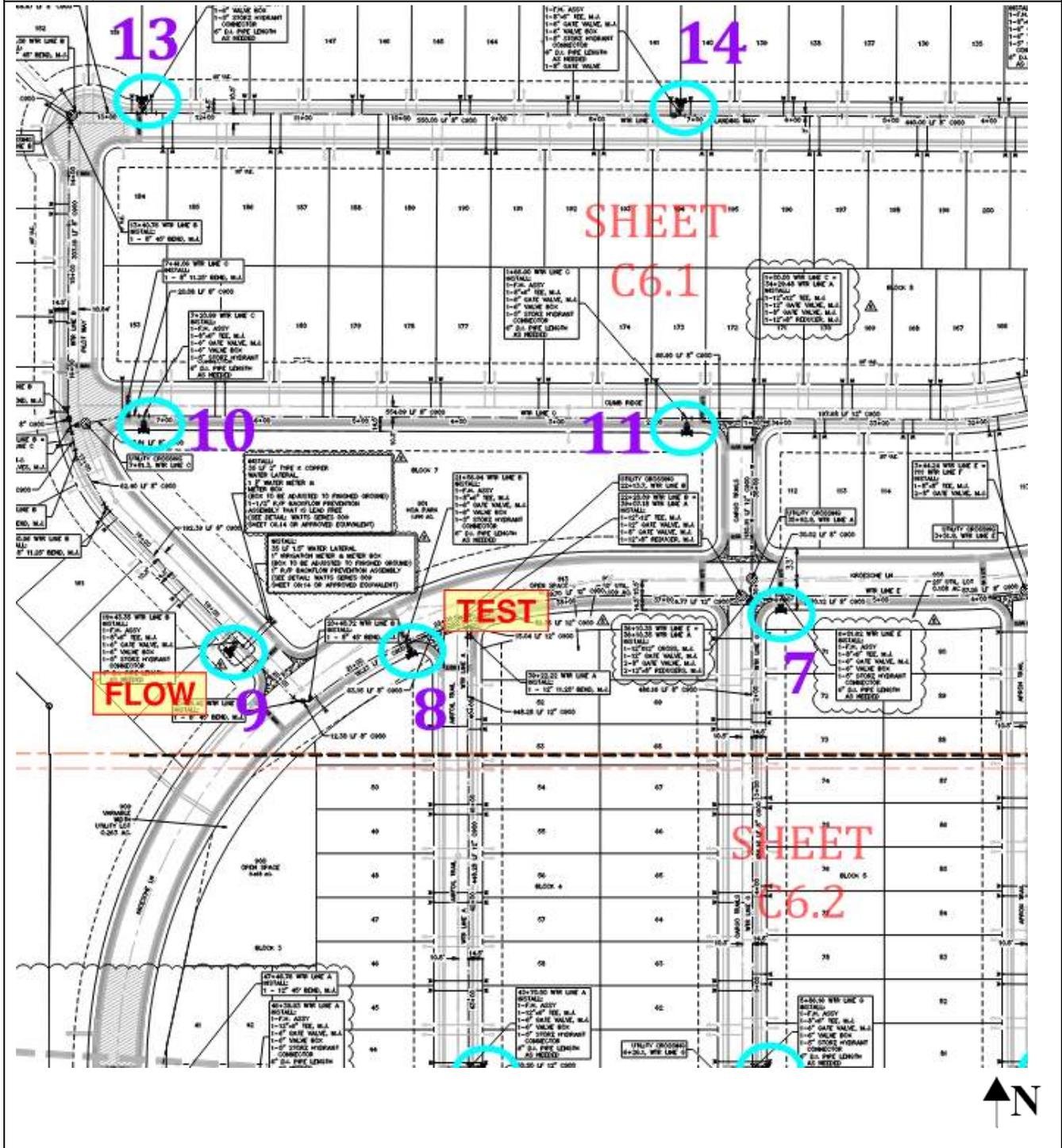
V. NBFDFire Hydrant Flow Requirements (To be completed by Fire Department)		
Print Name:	Title:	Accepted: <input type="checkbox"/>
Signature:	Date and Time:	

# Fire Hydrant Flow Test Form

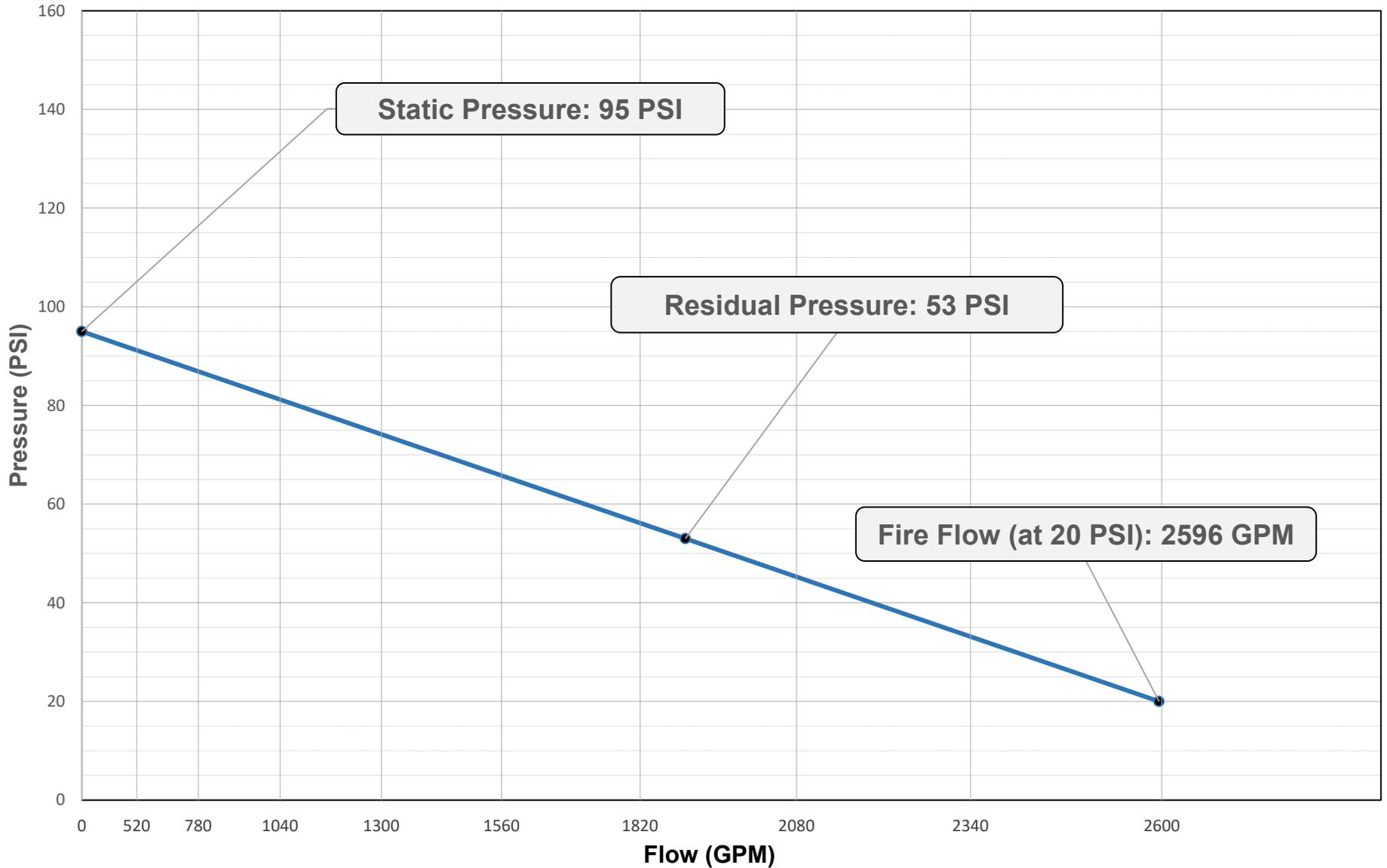


## VI. Sketch (Attach any additional calculations and graphs made by testing company)

Label Hydrant Numbers and Street Names



<b>Project Name:</b>	The Landing Unit 1 - Test #9
<b>Project Number:</b>	25-0033
<b>Test Date:</b>	February 13, 2025
<b>City:</b>	New Braunfels



<b>Static Pressure:</b> 95 PSI	<b>Residual Pressure:</b> 53 PSI	<b>Flow Test @ Residual Pressure:</b> 1,898 GPM	<b>Fire Flow (at 20 PSI):</b> 2,596 GPM
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