

Fire Hydrant Flow Test Form



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

Click to **Reset Fields** in II. Flow Test Data and III. Calculations.

Hover cursor over fields to display ToolTips.

I. Project Information (To be completed by Applicant)		
Name:	V.K. Knowlton Construction & Utilities, Inc.	Phone: (210) 651-6860
Company Address:	18225 FM 2252, San Antonio, Texas 78266	
Project Name:	VERAMENDI PRECINCT 18, UNIT 1	
NBU Work Order Numbers:	W-226995 / WW-226996	

TEST #21

II. Flow Test Data (To be completed by Applicant)				
Test Hydrant	NBU FH ID #: 19 F/H	Plan Sheet/Hydrant #: Exhibit - 19 F/H	Private: No	
	Location Description: Lluvia Lane / Pennyroyal Lane			
	Size and Material of Main: 8" main C-900 PVC (200)			
	Manufacturer: CLOW		OEM Year: 2025	
	Static PSI: 48	Residual PSI: 32	% Pressure Drop: 33.33	Date and Time: 5/15/2026 11:40 am
Flow Hydrant	NBU FH ID #: 105 F/H	Plan Sheet/Hydrant #: Exhibit - 105 F/H	Diameter: 2.5	
	Size and Material of Main: 8" main C-900 PVC (200)			
	Pitot PSI: 25	Observed Flow (GPM): 839	Mins Flowed: 1	Date and Time: 5/15/2026 11:40 am
	Total Water Loss: 839			
Flow Hydrant	NBU FH ID #: 105 F/H	Plan Sheet/Hydrant #: Exhibit - 105 F/H	Diameter: 2.5	
	Size and Material of Main: 8" main C-900 PVC (200)			
	Pitot PSI: 25	Observed Flow (GPM): 839	Mins Flowed: 1	Date and Time: 5/15/2026 11:40 am
	Total Water Loss: 839			

III. Calculations (Auto-populated)	
Residual Flow $Q_r = 29.83 \times c_d \times D^2 \sqrt{P_p \times H_f}$	Fire Flow at 20 PSI $Q_f = Q_r \times ((P_s - 20) / (P_s - P_r))^{0.54}$
Cd = 0.9	Qr = 1678
D = 2.5	Ps = 48
Pp = 25	Pr = 32
Hf = 2	Qf = 2270
Qr = 1678	NFPA 291 Standard Color Code: 1500 GPM & Above = Light Blue

IV. Tester/Company Information (To be completed by Applicant)	
Flow Test Conducted by: Protection Development, Incorporated	Phone: (210) 828-7533
Business License #: Texas Registered Engineering Firm (F-2816)	
Company Address: 8620 N. New Braunfels Avenue, Suite 100, San Antonio, Texas 78217	
Signature: Geoff Owens & Alex Akeroyd	Date: 05/15/2026

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

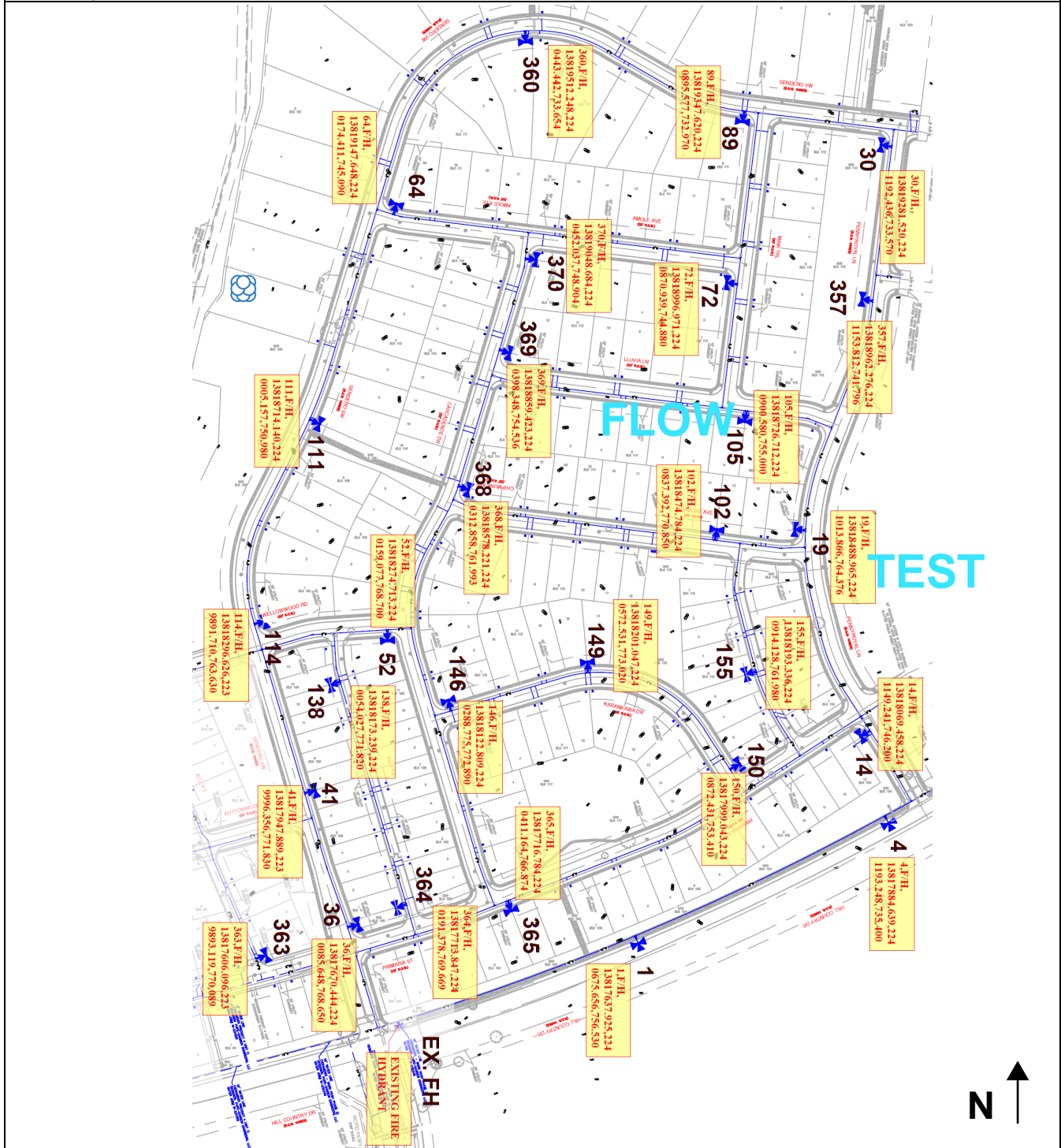


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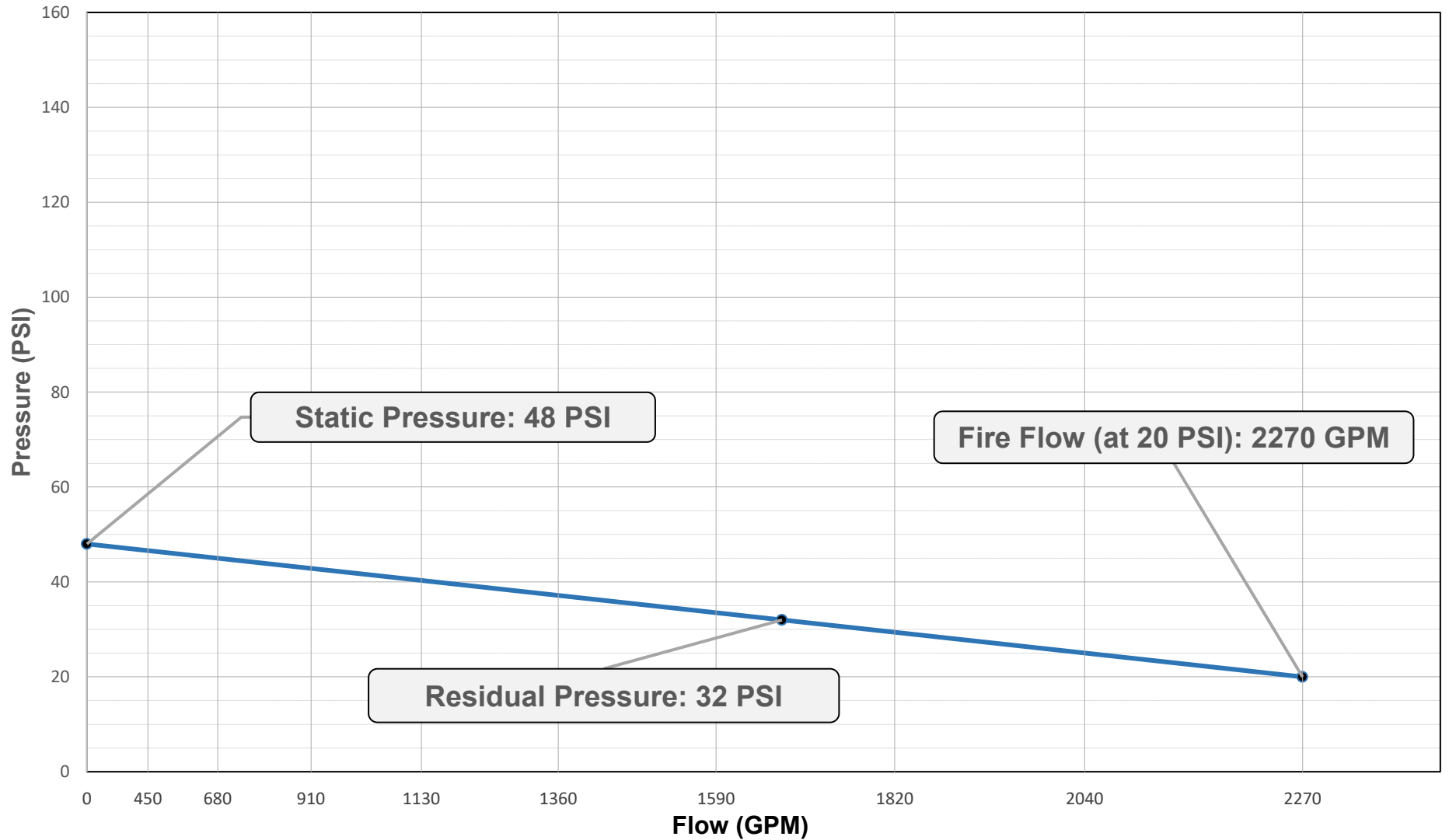
VI. Sketch (Attach any additional calculations and graphs made by testing company)

Label Hydrant Numbers and Street Names





Project Name:	Veramendi Pct 18, Unit 1 - Test #21
Project Number:	26-0064
Test Date:	May 15, 2026
City:	New Braunfels



Static Pressure: 48 PSI	Residual Pressure: 32 PSI	Flow Test @ Residual Pressure: 1,678 GPM	Fire Flow (at 20 PSI): 2,270 GPM
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