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. Projec	t Information							
Name: V.K	/.K. Knowlton Construction & Utilities, Inc. Phone: (210) 651-6860							
Company	ompany Address: 18225 FM 2282 San Antonio, TX 78266							
Project N	ame: THE LAND	ING - UNIT 1						
NBU Wor	k Order Numbers	:						
	Point 88	Grid Easting 13814068.2900	Grid Northing 2272353.6750	Elevation 654.781	Code F/H	FH# 18	[#] _ Test #:	18
II. Flow	Test Data			Click Re	eset Fields	to recalcul	late auto-poj	pulated fields.
Test	NBU FH ID #:	Pla	an Sheet/Hydra	nt #: Sheet	C6.0	19	Priva	ate: No
Hydrant	Location Description: Old Kruesche Lane at Mountain Mint							
	Size and Material of Main: 12 inch main C-900 (200)							
	Manufacturer: CLOW		OEM Y	OEM Year: 2023				
	Static PSI: 100	Residual PSI	:62 % Press	ure Drop:	38.00 D	ate and [Fime: 2/13	/2025 11:25 am
Flow	NBU FH ID #:	Pla	n Sheet/Hydran	t #: Sheet C	6.0 18		Diamete	r: 2.5
Hydrant 1	Size and Material of Main: 12 inch main C-900 (200)							
	Pitot PSI: 36	Observed Flov	v:	1007 Min	utes Flow	ved:		2
	Total Water Loss: 2014							
Flow Hydrant 2 (OPTIONAL)	NBU FH ID #:	Pla	an Sheet/Hydra	nt #: Sheet	C6.0 1	18	Diamete	r: 2.5
	Size and Material of Main: ~~FLOWING BOTH OUTLETS OF HYDRANT 1~~							
	Pitot PSI: 36	Observed Flov	v:	1007 Min	utes Flow	ved:		2
	Total Water Loss: 2014							

III. Calculations (Auto-populated)			
Residual Flow	Fire Flow at 20 PSI		
$Qr = 29.83 \times cd \times D^2 \vee Pp \times Hf$	$Qf = Qr \times ((Ps-20 / (Ps - Pr))^{0.54})$		
$\mathbf{Cd} = 0.9$	Qr = 2014		
$\mathbf{D} = 2.5$	$P_{S} = 100$		
Pp = 36	Pr = 62		
$\mathbf{Hf} = 2$	Qf = 3010		
Qr = 2014	NFPA 291 Standard Color Code : 1500 GPM & Above = Light Blue		

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

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





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Project Name:	The Landing Unit 1 - Test #18
Project Number:	25-0033
Test Date:	February 13, 2025
City:	New Braunfels

