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	
Name:	**Phone:**
Company Address:	
Project Name:	
NBU Work Order Numbers:	

II. Flow Test Data					Click Reset Fields to recalculate auto-populated fields.
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 1	**NBU FH ID #:**	**Plan Sheet/Hydrant #:**		**Diameter:** 2.5	
	Size and Material of Main:				
	Pitot PSI:	**Observed Flow:**	**Minutes Flowed:**		
	Total Water Loss:				
Flow Hydrant 2 (OPTIONAL)	**NBU FH ID #:**	**Plan Sheet/Hydrant #:**		**Diameter:** 2.5	
	Size and Material of Main:				
	Pitot PSI:	**Observed Flow:**	**Minutes Flowed:**		
	Total Water Loss:				

III. Calculations (Auto-populated)	
Residual Flow $Qr = 29.83 \times cd \times D^2 \sqrt{Pp} \times Hf$	**Fire Flow at 20 PSI** $Qf = Qr \times ((Ps-20 / (Ps - Pr))^{0.54}$
Cd = 0.9	**Qr =** 0
D = 2.5	**Ps =** 0
Pp = 0	**Pr =** 0
Hf = 0	**Qf =**
Qr = 0	**NFPA 291 Standard Color Code :**

IV. Tester/Company Information	
Flow Test Conducted by:	**Phone:**
Business License #:	
Company Address:	
Print Name:	**Date:**

V. NBFD Fire Hydrant Flow Requirements (To be completed by Fire Department)		
Print Name:	Title:	Accepted:
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