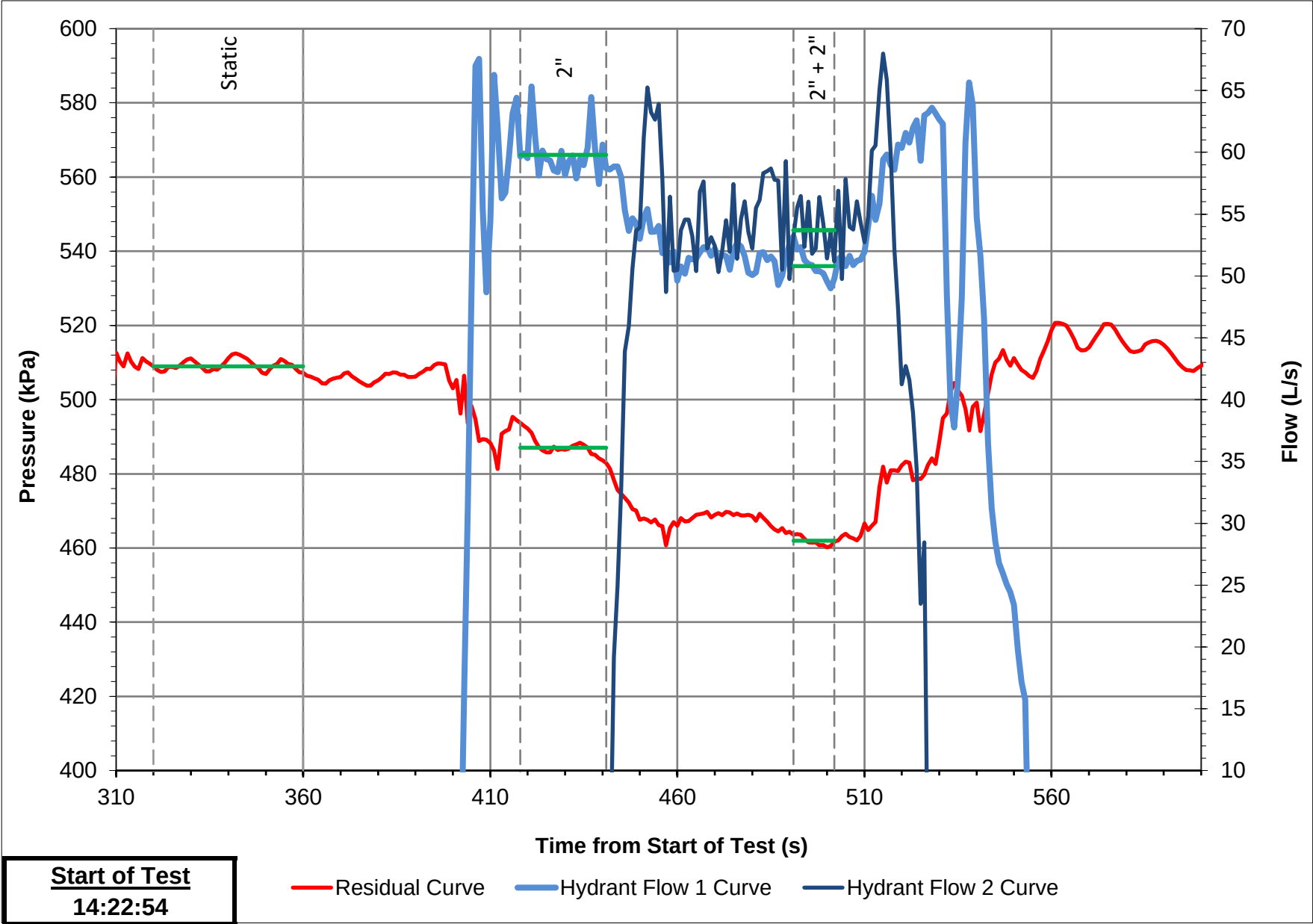


6460 Main St (HYD1284)



Subject Watermain Details

Diameter: 300 mm Material:
Area: 0.071 m2

Subject Hydrant & Valve Details

Residual Hydrant: HYD1284
Flow Hydrant: HYD1285

TABLE A: TESTED PRESSURES AND FLOWS

Point	Time		Residual Hydrant (HYD1284)		Flow Hydrant (HYD1285)				Total Flow		Velocity
			Residual (S1)		Port 1 (S1)		Port 2 (S2)				
	Start	Finish	(kPa)	(psi)	(L/s)	(GPM)	(L/s)	(GPM)	(L/s)	(GPM)	
Static	320	360	509	73.8	0.0	0	0.0	0	0.0	0	0.0
2"	418	441	487	70.6	59.8	948	0.0	0	59.8	948	0.8
2"			0	0.0	0.0	0	0.0	0	0.0	0	0.0
1" + 2"			0	0.0	0.0	0	0.0	0	0.0	0	0.0
2" + 2"	491	502	462	67.0	50.8	805	53.7	851	104.5	1656	1.5



6460 Main St (HYD1284)
HYDRANT FLOW TEST RESULTS

Date:20-Nov-23

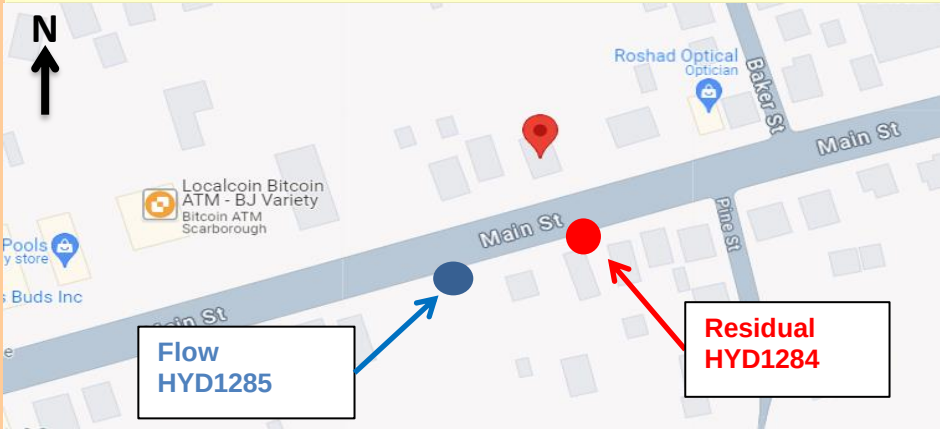
Time:14:22
(hh/mm)

Municipality:Town of Stouffville

Tested By:Sen

Operator:

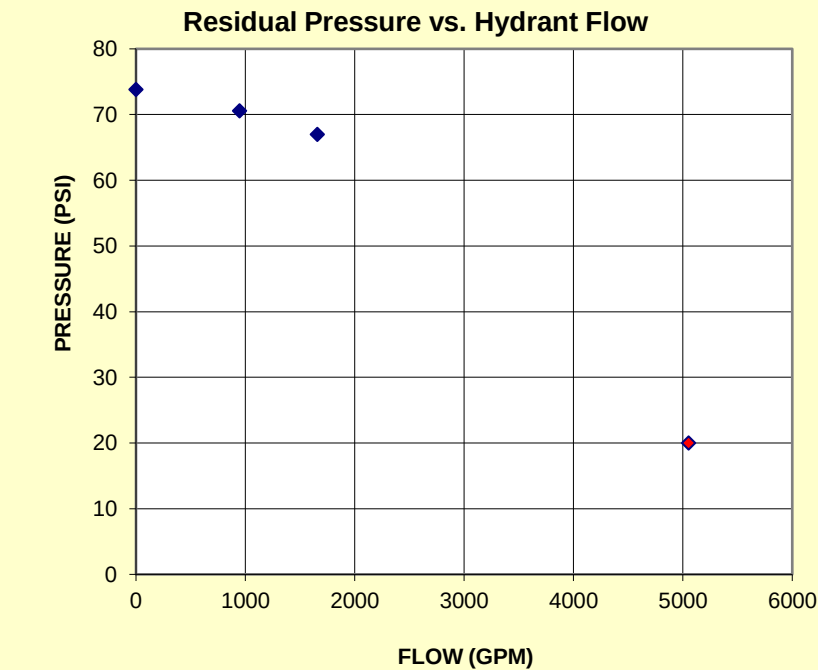
Test No:1



Conditions before Test (STATIC)			
Residual Hydrant:	73.8 psi	509 kPa	
Hydrant that will Flow:	73.8 psi	509 kPa	
Δ pressure:	0.0 psi	0 kPa	
Elevation Difference:	0.0 ft	0.0 m	
(Flow El. - Residual El.)			
Test Notes:			

TEST		TEST FLOW		RESIDUAL PRESSURE (psi)		Minimum Residual P _r (psi)	Fire Flow at Minimum Residual, Q _r (USGPM)	Fire Flow at Minimum Residual, Q _r (L/s)	10% Pressure Drop Achieved?
Port Size (in)	Nozzle Pressure (psi)	(USGPM)	(L/s)	Monitoring Hydrant	Flow Hydrant (Corrected) *				
STATIC	n/a	0	0	73.8	73.8				
Single Port Tests									
2"	32.1	948.0	59.8	70.6	70.6	20	4335	273	NO
2"						20			
Two Port Test									
1"						20			
2"									
Two Port Test									
2"	23.2	805.0	50.8	67	67.0	20	5051	319	NO
2"	25.9	851.0	53.7						

* Pressure correction is equal to the elevation difference. Column 2 (and Table A) show the nozzle pressure while flowing.



Results			
Static Pressure		Flow at 20 psi (140kPa)*	
(psi)	(kPa)	(gpm)	(L/s)
73.8	509	5100	322

* Results carried to nearest 50 gpm or 100 gpm if over 1000 gpm

Hydrant Classification as per NFPA 291			
Class	AA	Color	BLUE

Water Discharged During Test:	12400 L
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Rounded up to closest 100L

DISCLAIMER FOR FIRE FLOW TESTS

While WSP makes every effort to ensure that the information contained herein is accurate and up to date, WSP is not responsible for unintended or incorrect use of the data and information described and/or contained herein. The user must make his/her own determination as to its accuracy and suitability. The information is representative for a dynamic water system that may change over time.

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