

November 25, 2024

VIA EMAIL mtoussaint@mraa.ca

MRA Architecture + Design 443 Saint-Claude, Montréal, QC H2Y3B6

Attention: Maxime Toussaint, Project executive assistant

RE: Site Servicing Adequacy Letter 388 Richmond Road, Ottawa, ON

INTRODUCTION

Parsons Inc. (Parsons) is pleased to provide this letter regarding the adequacy of municipal services (drinking water, sanitary and stormwater) for the existing building at 388 Richmond Road, Ottawa, ON. This letter documents the existing municipal infrastructure in the vicinity of the property and the expected servicing requirements for the proposed building. The servicing requirements will address converting the existing Scotiabank to a McDonalds restaurant. We will also identify any constraints/risks we observe in terms of municipal servicing. This letter will not address other utilities such as gas, hydro, telecom, etc.

BACKGROUND INFORMATION

The following documents were reviewed to understand the existing conditions and proposed plans:

- GeoOttawa, the City of Ottawa's interactive web panning application;
- Existing and Proposed site plan, by MRAA, dated June 25, 2024;
- City of Ottawa Sewer Design Guidelines, October 2012; and
- City of Ottawa Design Guidelines Water Distribution, July 2010.

EXISTING CONDITIONS

The existing Scotiabank at 388 Richmond was originally constructed in circa 1912 on a 0.04 ha property. The building is connected to a residential apartment building (386 Richmond Rd).

DRINKING WATER

Existing Conditions

According to the City of Ottawa's GIS mapping, there is a 305mm diameter PVC watermain installed in 2004 along Richmond Road. The building is served by a 25mm soft copper water line, with the installation date unknown. Multiple fire hydrants are present along Richmond Road, including one directly in front of the building. Water pressure inside the building is measured at 52 psi. Additionally, a fire flow hydrant test shows an available 211 I/s at 20 PSI, with the results provided in the appendix.

Proposed Servicing Solution

The existing water service is deemed adequate for both domestic and fire demands. Fire demand, based on the Fire Underwriters Survey and City of Ottawa standards, remains at 67 I/s, which can be managed by the existing hydrant. The existing water service connection is expected to be sufficient.

SANITARY SERVICE

Existing Conditions

A CCTV survey indicates a 100mm cast iron sanitary service pipe in fair condition, connected to a 300mm sanitary sewer along Carling Avenue, installed in 2004. The 300mm main has an approximate slope of 0.4%.

Potential Servicing Solution

The 100mm sanitary service is adequate for the increased demands of the new building use. An oil/grease interceptor will be added in the kitchen to comply with the Ontario Building Code (OBC), specified by the mechanical engineer during the Building permit submission.

STORM WATER

Existing Conditions

The existing building roof is a flat roof drained by two roof drains. The outlet for the storm system is connected to an The building has a flat roof with two roof drains connected to a 600mm concrete storm sewer on Richmond Road. The storm sewer has a slope of approximately 0.3%. A CCTV inspection of the storm sewer was attempted but was inconclusive due to debris.

Proposed Servicing Solution

The storm sewer will be cleaned and reused. No additional storm flows are anticipated as the building footprint remains unchanged.

CONCLUSION

The existing water, sanitary, and storm water services are deemed adequate for the proposed development, with minor modifications such as the addition of an oil/grease interceptor. The existing infrastructure is expected to meet the demands of the building without significant upgrades.

Please don't hesitate to contact us if you have any questions or concerns.



Mathew ineiner, P.Eng., ing. Senior Municipal Engineer

Attachment:

- Fire Flow Calculation
- Water Service Demands Calculation
- Sanitary Design Flows
- Sanitary Sewer Design Sheet
- CCTV Inspection Report
- Hydrant Fire Flow Testing







388 Richmond Rd - Estimated Water Demands										
Area	Gross Fid Area				Area Demand (ADD) (MDD) (PHD)					
Existing Building Image: Constraint of the second sec										
Bank	NA	NA	366	0.03	0.05	0.09	67	67.05		
Proposed Building										
Restaurant (24 hrs)	28	NA	366	0.16	0.25	0.45	67	67.25		
Average Daily Demand Based on Ottawa Design Guidelines - Water Distributio	on, 2010 and MOE Design Guid	delines for Drinkir	ng-Water Systems,	2008	Maximum Daily Demand					
	-	delines for Drinkir L/p/d	ng-Water Systems,	2008	·	2.5 x Average Daily Dema	ind			
Based on Ottawa Design Guidelines - Water Distributio	280		ng-Water Systems,	2008	Residential =	2.5 x Average Daily Dema 4.9 x Average Daily Der				
Based on Ottawa Design Guidelines - Water Distributio Average Residential Daily Flow =	280 28,000	L/p/d	ıg-Water Systems,	2008	Residential =	. .	nand **			
Based on Ottawa Design Guidelines - Water Distributio Average Residential Daily Flow = Institutional Flow =	280 28,000 28,000	L/p/d L/gross ha/d	ıg-Water Systems,	2008	Residential = Industrial =	4.9 x Average Daily Der	nand ** Ind			
Based on Ottawa Design Guidelines - Water Distributio Average Residential Daily Flow = Institutional Flow = Commercial Flow =	280 28,000 28,000 35,000	L/p/d L/gross ha/d L/gross ha/d	ıg-Water Systems,	2008	Residential = Industrial = Commercial =	4.9 x Average Daily Der 1.5 x Average Daily Dema	nand ** ind ind			
Based on Ottawa Design Guidelines - Water Distributio Average Residential Daily Flow = Institutional Flow = Commercial Flow = Light Industrial Flow = Heavy Industrial Flow = Hotel Daily Flow =	280 28,000 28,000 35,000 55,000	L/p/d L/gross ha/d L/gross ha/d L/gross ha/d	ng-Water Systems,	2008	Residential = Industrial = Commercial =	4.9 x Average Daily Der 1.5 x Average Daily Dema 1.5 x Average Daily Dema	nand ** ind ind			
Based on Ottawa Design Guidelines - Water Distributio Average Residential Daily Flow = Institutional Flow = Commercial Flow = Light Industrial Flow = Heavy Industrial Flow = Hotel Daily Flow = Office/Warehouse Daily Flow =	280 28,000 28,000 35,000 55,000 225	L/p/d L/gross ha/d L/gross ha/d L/gross ha/d L/gross ha/d	ng-Water Systems,	2008	Residential = Industrial = Commercial =	4.9 x Average Daily Der 1.5 x Average Daily Dema 1.5 x Average Daily Dema	nand ** ind ind			
Based on Ottawa Design Guidelines - Water Distributio Average Residential Daily Flow = Institutional Flow = Commercial Flow = Light Industrial Flow = Heavy Industrial Flow = Hotel Daily Flow = Office/Warehouse Daily Flow = Office/Warehouse Daily Flow =	280 28,000 28,000 35,000 55,000 225 75 8.06	L/p/d L/gross ha/d L/gross ha/d L/gross ha/d L/gross ha/d L/bed/d L/person/d L/m2/day	ng-Water Systems,	2008	Residential = Industrial = Commercial = Institutional =	4.9 x Average Daily Der 1.5 x Average Daily Dema 1.5 x Average Daily Dema	nand ** ind ind			
Based on Ottawa Design Guidelines - Water Distributio Average Residential Daily Flow = Institutional Flow = Commercial Flow = Light Industrial Flow = Heavy Industrial Flow = Hotel Daily Flow = Office/Warehouse Daily Flow = Office/Warehouse Daily Flow = Restaurant (Ordinary not 24 Hours) =	280 28,000 28,000 35,000 55,000 225 75 8.06 125	L/p/d L/gross ha/d L/gross ha/d L/gross ha/d L/gross ha/d L/bed/d L/bed/d L/person/d L/m2/day L/seat/d	ıg-Water Systems,	2008	Residential = Industrial = Commercial = Institutional = Peak Hourly Demand	4.9 x Average Daily Der 1.5 x Average Daily Dema 1.5 x Average Daily Dema	nand ** ind ind			
Based on Ottawa Design Guidelines - Water Distributio Average Residential Daily Flow = Institutional Flow = Commercial Flow = Light Industrial Flow = Heavy Industrial Flow = Hotel Daily Flow = Office/Warehouse Daily Flow = Office/Warehouse Daily Flow = Restaurant (Ordinary not 24 Hours) = Restaurant (24 Hours) =	280 28,000 28,000 35,000 55,000 225 75 8.06 125 200	L/p/d L/gross ha/d L/gross ha/d L/gross ha/d L/gross ha/d L/bed/d L/bed/d L/person/d L/m2/day L/seat/d L/seat/d	ıg-Water Systems,	2008	Residential = Industrial = Commercial = Institutional = Peak Hourly Demand Residential =	4.9 x Average Daily Der 1.5 x Average Daily Dema 1.5 x Average Daily Dema 1.5 x Average Daily Dema	nand ** ind ind			
Based on Ottawa Design Guidelines - Water Distributio Average Residential Daily Flow = Institutional Flow = Commercial Flow = Light Industrial Flow = Heavy Industrial Flow = Hotel Daily Flow = Office/Warehouse Daily Flow = Office/Warehouse Daily Flow = Restaurant (Ordinary not 24 Hours) = Restaurant (24 Hours) = Shopping Centres =	280 28,000 28,000 35,000 55,000 225 75 8.06 125 200 2,500	L/p/d L/gross ha/d L/gross ha/d L/gross ha/d L/gross ha/d L/bed/d L/bed/d L/person/d L/m2/day L/seat/d L/seat/d L/seat/d L/(1000m²/d)	ıg-Water Systems,	2008	Residential = Industrial = Commercial = Institutional = Peak Hourly Demand Residential =	 4.9 x Average Daily Der 1.5 x Average Daily Dema 1.5 x Average Daily Dema 1.5 x Average Daily Dema 2.2 x Maximum Daily Der 	nand ** ind ind nand emand **			
Based on Ottawa Design Guidelines - Water Distributio Average Residential Daily Flow = nstitutional Flow = Commercial Flow = Light Industrial Flow = Heavy Industrial Flow = Hotel Daily Flow = Office/Warehouse Daily Flow = Office/Warehouse Daily Flow = Restaurant (Ordinary not 24 Hours) = Restaurant (24 Hours) =	280 28,000 28,000 35,000 55,000 225 75 8.06 125 200 2,500	L/p/d L/gross ha/d L/gross ha/d L/gross ha/d L/gross ha/d L/bed/d L/bed/d L/person/d L/m2/day L/seat/d L/seat/d	ıg-Water Systems,	2008	Residential = Industrial = Commercial = Institutional = Peak Hourly Demand Residential = Industrial =	 4.9 x Average Daily Der 1.5 x Average Daily Dema 1.5 x Average Daily Dema 1.5 x Average Daily Dema 2.2 x Maximum Daily Der 7.4 x Maximum Daily Def 	nand ** ind ind nand emand ** nand			

							388 Richn	nond Rd							
Building	Type of Construction C	Total Floor Area (m2) A	Fire Flow (min. 2,000) (L/min) F	Adjusted (nearest 1,000) (L/min)	Occupancy Factor	Reduction / Increase due to Occupancy	Fire Flow with Occupancy (min. 2,000) (L/min)	Sprinklers Factor	Reduction due to Sprinklers (L/min)	Exposure Factor % E	Increase due to Exposure (L/min)	Fire Flow (L/min)	Roof Contribution (L/min) R	Required F Adjusted to the nearest 1000 (min. 2,000, max. 45,000) (L/min) F	ire Demand Minimum 33 (L/s)
Existing Building B Proposed Building A	0.8	366 366	3,367	3,000	0%	0	3,000	0%	0	25% 25%	750	4,000	0	4,000	67 67
Proposed Building A	0.0	300	3,307	3,000	0%	0	3,000	0%	0	23%	750	4,000	0	4,000	67
Reference: C	Ottawa Design O Type of Construe Wood Frame (Ty Mass Timber (Ty Mass Timber (Ty Mass Timber (Ty	auidelines - Water :tion	Distribution, Jul ulated Mass Tim lass Timber y Mass Timber	Fire Underwriters . y 2010 and subse yer			s	Sprinklers Automatic Sprin Standard Water Full Supervision			nplete Coverage 30% 10% 10%	30% * x% 10% * x% 10% * x%	2 e of total protected	(floor grag)	
	Ordinary Constru Non-Combustibl	uction (Type III als e Construction (Ty	o known as joist /pe II - minimum	ed masonry) 1 hour fire resista ur fire resistance i		1.0 1.0 0.8 0.6		Buildings locate	d within commun reduction in requi	ities or subdivisio		<u>tection of Area</u> letely sprinkler p	rotected may appl reduction for sprin	y up to a maximu	
A	Total Effective F	loor Area (m ²)													
	Total Effective Floor Area (m ²) Buildings Classified with a Construction Coefficient from 1.0 to 1.5 100% of all Floor Areas Buildings Classified with a Construction Coefficient below 1.0 Vertical Openings Unprotected Two (2) Largest Adjoining Floor Areas Additional Floors (up to eight (8)) at 50% Vertical Openings Properly Protected						E	The reduction in - The community inspected, teste - The community flow rates and p of inadequate w Exposure	required fire flow y does not have a d, and maintaine y does not mainta ressure levels tha ater supply for ef	v for sprinkler pro I Fire Prevention F d in accordance v ain the pressure a at were available fective sprinkler o	tection may be re- Program that provi vith NFPA 25 nd flow rate requi during sprinkler sy operation.	duced of elimina ides a system of rements for fire ystem design to	<u>itenance, Testing,</u> ited if: ensuring that the sprinkler installati significantly degra umming the perce	fire sprinkler syst ons, or otherwise de, increasing th	ems are allows the e probability
		Single Largest Fl Additional Two (2		rs at 25%											
			, ,, ,, ,, ,, ,, ,,						Distance (m)		sure Adjustment	N	E	S	W
	High One Storey			and and One in the		-4			03		5%				
				ceeding 3m in he e area depends u					to 10 to 20		0% 5%				
	made of the buil					6		10.1 to 20 15% 20.1 to 30 10%							
		dings (Vertical Fir) hour fire resista		eets National Bui	Iding Code requir	ements.			than 30 re Adjustment Ch		% Building Conside	ring Constructio	n Type of Exposed	Building Face	
	hazard condition	IS.		f fire on the expos if there are unpro				Distance to the Exposure (m)	Length-Height Factor of Exposing Building Face	Type V	Type III-IV ²	Type III-IV ³	Type I-II ²	Type I-II ³	
	Open Parking G		is at least 50% b	elow grade.				0 to 3	0-20 21-40 41-60 61-80	20% 21% 22% 23%	15% 16% 17% 18%	5% 6% 7% 8%	10% 11% 12% 13%	0% 1% 2% 3%	
0	Use the area of a	he largest floor.							81-100 Over 100 0-20	24% 25% 15%	19% 20% 10%	9% 10% 3%	14% 15% 6%	4% 5% 0%	
	Non-Combustibl Limited Combus		-25% -15%						21-40 41-60	16% 17%	11% 12%	4% 5%	7% 8%	0% 1%	
	Combustible		0%					3.1 to 10	61-80	18%	13%	6%	9%	2%	
	Free Burning Rapid Burning		15% 25%						81-100 Over 100	19% 20%	14% 15%	7% 8%	10%	3% 4%	
									0-20	10%	5%	0%	3%	0%	
		s recommended m the National B		Contents Adjustm 'anada	ent Factors for E	kample Major			21-40 41-60	11% 12%	6% 7%	1% 2%	4% 5%	0% 0%	
	- Adjustment fac	tors should be ac		anaua. gly to the specific :	fore loading and	situation that		10.1 to 20	61-80	13%	8%	3%	6%	1%	
	exists in the sul		the examples d	ven considering fi	re loading and o	mented			81-100 Over 100	14%	9% 10%	4%	7%	2% 3%	
		nterpolated from f contents if the s			is loading and ex	policu			Over 100 0-20	15% 0%	10% 0%	5% 0%	8% 0%	3%	
			10% (+/-) depe	nding on the exte	nt to which the fi	re loading is			21-40	2%	1%	0%	0%	0%	-
	unusual for the - Buildings with		cupancies shou	ld use the most re	strictive factor or	interpolate		20.1 to 30	41-60 61-80	4%	2% 3%	0% 1%	1% 2%	0% 0%	
	based on the pe	ercentage of each	occupancy and	its associated fire	loading.				81-100	8%	4%	2%	3%	0%	
	Table 3 Values f	or Subject Buildir	ď					Over 30m	Over 100 All Sizes	10%	5% 0%	3% 0%	4%	0% 0%	-
	Group:		E E					010.0011	711 01203	570	070	3,0	0.0	070	1
	Division: Description of Occupancy: Shops/Stores Occupancy and Contents: Combustible							² with unprotect ³ without unprot							
ь	Adjustment Factor: 0%							- If the exposed	building is fully p		utomatic sprinkle		te Recognition of		ler), the
ĸ	R Roof Shake Roof 2.000 to 4,000 L/min additional should be added to the fire flow Wood Shingle 2,000 to 4,000 L/min additional should be added to the fire flow							Automatic Sprin	kler Protection in ject building and	both Subject and the exposed build	I Exposed Building ling are fully prote	<u>gs</u> cted with autom	atic sprinkler syst		cognition of
F	<u>Fire Flow (L/Min</u>) 220*C*(A^0.5)						Exposure Protect - If the exposed area between th <u>Reduction of Ex</u> - If the exposed	tion of Area Betw building is fully provide buildings is pro posure Charge fo building face of a	veen Subject and rotected with an a otected with an ex or Type V Buildings Type V building h	terior automatic s i las an exterior cla	<u>s</u> er system (see no prinkler system, dding assembly	te Recognition of no exposure adju with a minimum 1 king up the approp	stment charge sh . hour fire resistiv	ould be applie e rating, then

I

SANITARY DESIGN FLOWS

				RESTA	JRANT			AUTO	DMOTIVE SE	RVICE CE	NTRE	сом	MERCIAL/R	ETAIL	TOTAL		INFILTRATION		Total
		lest.	Seats	Flow	Rest.	Peak	Peak	Number	Average	Peak	Peak	Retail	Peak	Peak	Peak	Site	Infiltration	Infilt.	Total
Area		Area		per seat	Flow	Factor	Flow	of Bays	Car Wash	Factor	Flow	Area	Factor	Flow	Flow	Area	Allowance	Flow	Peak Flow
		m²)		(L/seat/d)	(L/s)	over 6-hr	(L/s)		Flow		(L/s)	(m ²)		(L/s)	(L/s)	(ha)	(L/s/ha)	(L/s)	(L/s)
Subject Site						1	1									0.04	0.33	0.01	0.013
Proposed Restaurant	3	366	28	200.00	0.1	1.5	0.247					299	1.5	0.015	0.262				0.262
																_			
																_		Total	0.27
				1			1											Total	0.27
															Design:	PC	Project:	McDonalds	
Average Daily Demands															Check :	MT	Location:	388 Richmo	nd Pd
Based on City of Ottawa Sewer Design Gu	idelines 2012 and MOE	Water D	Desian Guid	lelines)											Check .	IVI I	Location.	Ottawa, Ont	
Average Residential Daily Flow =	280 L/p/d														Dwg referen	ce:	Project # :	479270	
Institutional Flow =	28,000 L/ha/d																Date:	25-Nov-24	1
Commercial Flow =	28,000 L/ha/d																Sheet:	1 of 1	
Light Industrial Flow =	35.000 L/ha/d														<u> </u>				
Heavy Industrial Flow =	55,000 L/ha/d																		
Hotel Daily Flow =	225 L/bed/d	ł																	
Office/Warehouse Daily Flow =	75 L/empl/																		
Shopping Centres =	2,500 L/(1000																		
Population Densities																			
Average suburban residential dev.	60 p/ha																		
Single family	3.4 p./unit																		
Semi-detached	2.7 p./unit																		
Duplex	2.3 p./unit																		
Townhouse	2.7 p./unit																		
Appartment average	1.8 p./unit																		
Bachelor 1 Bedroom	1.4 p./unit																		
2 Bedrooms	1.4 p./unit 2.1 p./unit																		
3 Bedrooms																			
Hotel room, 18 m2	3.1 p./unit 1 p./unit																		
Restaurant. 1 m2	1 p./unit																		
Office	1 p/25m ²																		
Warehouse	1 p/20m ²																		
Automotive Service Centre, per bay	1 p/bay (p		nagement)																
	· • • • • • • •																		
Peak Factors	4.5			- 00% -th															
Commercial = Institutional =	1.5 if comm 1.5 if institu																		
Industrial =			-B.0 Graph		vise														
Residential :	Harmor																		
			pita/1000) ^	0.5))*8															
	min =	/((04	pild: 1000)	0.0// 0															
	max =																		
Infiltration allowance (dry weather)	0.05 L/s/ha																		
Infiltration allowance (wet weather)	0.28 L/s/ha																		
I/I (total)	0.33 L/s/ha																		
Based on the Ontario Building Code / Sewa	age System Design Flow	vs - Sec	tion 8.2.1.3)															
Food Service Operations	405 (1.)	(4)																	
Restaurant (not 24 hour), per seat Restaurant (24 hour), per seat	125 (L/seat/ 200 (L/seat/																		

SANITARY SEWER DESIGN SHEET

			Peak					Se	wer Data					
Drainage	From	То	Flow	Туре	Pipe	Dia.	Slope	Length	Capacity	Vel	ocity	Time of	Q(d) / Q(f)	REMARKS
Area			Q	of	nom.	actual			full	full	actual	Flow		
			(L/sec)	Pipe	(mm)	(mm)	(%)	(m)	(L/sec)	(m/sec)	(m/sec)	(min)		
	Proposed Building	Main	0.26	DI	100	101.6	1.0	10.9	5.4	0.66	0.32	0.57	0.05	
Manning's n =	0.013									Design:	P. Charlet	ois	Project Name:	388 Richmond Rd
										Check:	M. Theine		Parsons Proje	
										Date:	November		Client:	MRAA
										1			Client Project	#: McDonalds



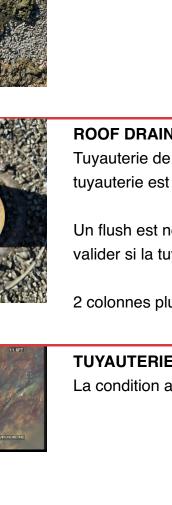
Sébastien Labelle Plomberie Environord Inc

388 RICHMOND

Friday, November 15, 2024

Prepared Fro Foucault Construction

10 Issues Identified

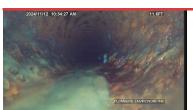


ROOF DRAIN

Tuyauterie de drainage pluviale ne peut etre inspecter car toute la tuyauterie est bloquer et remplis.

Un flush est nécessaire pour identifier le diametre sous dalle et valider si la tuyauterie est en bonne etat

2 colonnes pluviale a l interieur ayant un diametre de 4" chacune



TUYAUTERIE SANITAIRE

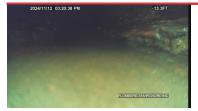
La condition actuel de la tuyauterie est bonne



ROOF DRAIN



TUYAUTERIE SANITAIRE



TUAYUTERIE SANITAIRE

La tuyauterie sanitaire ayant un diametre de 4" est en bonne etat et a deux leger bas fond comme Identifier sur les photos

Le sanitaire et pluviale ne sont pas combiner



TUYAUTERIE SANITAIRE

ENTREE D EAU

L entree d eau domestique est de 1" cuivre avec un DAR et compteur d eau

PRESSION DE L EAU

La pression a l'interieur du batiment est de 52 psi

GAZ NATUREL

Aucune tuyauterie de gaz a l interieur du batiment

Tuyauterie au compteur est de 1-1/4



			DAIE IJ-Nov-24
CLIENT	MRA Architecture + Design	INSPECTOR NAME	Ilyas Omari
BUILDING NAME	388 Richmond Road	COMPANY	Avangard Fire & Life Safety
STREET	388 Richmond Road	STREET	2979 Merivale Road
CITY	Ottawa, Ontario	CITY	Ottawa, Ontario
SITE CONTACT		PHONE #	(613) 223-2223
PHONE #		LICENSE #	13866906

FIRE HYDRANT FLOW TEST RESULTS

HYDRANT #1 FLOW TEST

FLOW HYDRANT LOCATION:

388 RICHMOND ROAD (HYDRANT ID#362027H173)

PRESSURE GAUGE HYDRANT LOCATION:

366 RICHMOND ROAD (HYDRANT ID#362027H174)

DEVICES USED TO MEASURE FLOW/PRESSURE: HOSE MONSTER

STATIC PRESSURE (PSI)	NOZZLE SIZE (INCH)	PITOT READING (PSI)	GPM	RESIDUAL PRESSURE (PSI)
68	2.5"	20	3354	65

HYDRANT #2 FLOW TEST

FLOW HYDRANT LOCATION:

PRESSURE GAUGE HYDRANT LOCATION:

DEVICES USED TO MEASURE FLOW/PRESSURE:

STATIC PRESSURE (PSI)	NOZZLE SIZE (INCH)	PITOT READING (PSI)	GPM	RESIDUAL PRESSURE (PSI)

HYDRANT #3 FLOW TEST

FLOW HYDRANT LOCATION:

DEVICES USED TO MEASURE FLOW/PRESSURE:

STATIC PRESSURE (PSI)	NOZZLE SIZE (INCH)	PITOT READING (PSI)	GPM	RESIDUAL PRESSURE (PSI)

HYDRANT #4 FLOW TEST

FLOW HYDRANT LOCATION:

PRESSURE GAUGE HYDRANT LOCATION:

DEVICES USED TO MEASURE FLOW/PRESSURE:

STATIC PRESSURE (PSI)	NOZZLE SIZE (INCH)	PITOT READING (PSI)	GPM	RESIDUAL PRESSURE (PSI)



Avangard Fire & Life Safety Inc. / / 2979 Merivale Road/ Ottawa, Ontario K2C 3H1 / (613) 223-2223 www.avangardfire.ca /

FIRE HYDRANT DEFICIENCIES & REPAIRS

	۵	DEFICIENCIES			
1)	N/A				
2)					
3)					

The above are identified as deficiencies as per the applicable code, and will cause a certificate of inspection to be witheld. These deficiencies must be corrected and re-inspected before a certificate can be issued.

NOTES / RECOMMENDATIONS	
1)	
2)	
3)	
Fire code mandates that	these records are retained for a minimum of two years.
Monthly inspections are a	not required during the month of the annual inspection.