

<b>File No.</b>	20-184	<b>Date:</b>	14/10/2020
<b>Project:</b>	Proposed Apartment Buildings	<b>Designed:</b>	Guillaume Brunet
<b>Project Address:</b>	3817-3843 - Innes Road	<b>Checked:</b>	Guillaume Brunet
<b>Client:</b>	Oligo Developemtn	<b>Drawing Reference:</b>	C200 & C300

WATER CONSUMPTION CALCULATION

	BLOCK A	BLOCK B	BLOCK C	
Total Building Floor Area =	892.05	557.05	892.05	m <sup>2</sup>
Site Total Area =	0.24	0.24	0.24	ha
Total Population =	50.40	47.60	50.40	ea.
Average Demand Per People =	350	350	350	L/c/d
<b>Average Water Demand =</b>	<b>17640.00</b>	<b>16660.00</b>	<b>17640.00</b>	L/d
Maximum Daily Peak Factor =	2.5	2.5	2.5	* As per City of Ottawa
<b>Maximum Daily Residential =</b>	<b>44100.00</b>	<b>41650.00</b>	<b>44100.00</b>	L/d
Maximum Hourly Peak Factor =	2.2	2.2	2.2	* As per City of Ottawa
<b>Maximum Hourly Residential =</b>	<b>97020.00</b>	<b>91630.00</b>	<b>97020.00</b>	L/d
<b>Total Domestic Flow =</b>	<b>1.12</b>	<b>1.06</b>	<b>1.12</b>	L/s
<b>Total Fire Flow =</b>	<b>80.00</b>	<b>81.67</b>	<b>80.00</b>	L/s

Apartments:	Person Per Unit	Building C	Building B	Building A
Bachelor =	1.4	0	0	0
1 Bedroom =	1.4	27	25	27
2 Bedroom =	2.1	6	6	6
3 Bedroom =	3.1	0	0	0
		<b>50.40</b>	<b>47.60</b>	<b>50.40</b>

BLOCK A	1 Bedroom	2 Bedroom	Unit Counts	WSFU	Total
Unrinal Flush Tank	1	1	33	2	66
Sinks	2	2	66	1	66
Bathub	1	1	33	4	132
Diswasher	1	1	33	1.5	49.5
Washing Machine	1	1	33	2	66
<b>Total</b>					<b>379.5</b>

BLOCK B	1 Bedroom	2 Bedroom	Unit Counts	WSFU	Total
Unrinal Flush Tank	1	1	31	2	62
Sinks	2	2	62	1	62
Bathub	1	1	31	4	124
Diswasher	1	1	31	1.5	46.5
Washing Machine	1	1	31	2	62
<b>Total</b>					<b>356.5</b>

BLOCK C	1 Bedroom	2 Bedroom	Unit Counts	WSFU	Total
Unrinal Flush Tank	1	1	33	2	66
Sinks	2	2	66	1	66
Bathub	1	1	33	4	132
Diswasher	1	1	33	1.5	49.5
Washing Machine	1	1	33	2	66
<b>Total</b>					<b>379.5</b>