

AUGUST 5, 2026

PROJECT NO: 1046-4031

**SENT VIA: EMAIL
DMILANO@BOUSFIELDS.CA**

Bousfields Inc.
3 Church Street, Suite 200
Toronto, ON M5E 1M2

Attention: David Milano, Associate

**RE: FUNCTIONAL SERVICING REPORT - ADDENDUM
PARKBRIDGE CRAIGLEITH RIDGE RESIDENTIAL DEVELOPMENT
TOWN OF THE BLUE MOUNTAINS**

Dear Shawn,

C.F. Crozier & Associates Inc. (Crozier) has been retained by Parkbridge Lifestyle Communities Inc., c/o QuadReal Property Group LP to prepare this Functional Servicing Report (FSR) Addendum Letter in support of a Zoning By-law Amendment (ZBA) application for the Parkbridge Craigleith Ridge Residential Development (the Site) in the Town of The Blue Mountains (TOBM), Grey County.

1.0 INTRODUCTION

The current development approvals permit 211 proposed residential units and supporting amenities i.e., a clubhouse. This ZBA application is intended to remove reference in zoning to tenure, and to add two single detached units to the site plan for a total of 213 residential units and a clubhouse. The two additional units would be located where a storage facility was previously contemplated at the northwest corner of the Site. The remainder of the site plan will remain the same, and the servicing strategy for the Site also remains the same.

Accordingly, this Addendum Letter is limited to confirming that the previously approved engineering design, both on-site and off-site (i.e., regional drainage works) continues to govern the Site with supporting the addition of two units and the removal of the type of tenure from zoning. Given that the application focuses on a tenure change, the technical merits of the application are unchanged.

2.0 BACKGROUND AND SUBMISSION HISTORY

The Site has been the subject of a comprehensive multi-year approvals process, culminating in registration of the Plan of Subdivision on the basis of the studies listed below, and Approved for Construction (AFC) detailed engineering drawings (August 2023). Civil site services have been installed in accordance with the approved drawings. Draft Plan Approval was granted by Grey County Council on September 13, 2018. Following Draft Plan Approval, a Local Planning Appeal Tribunal (LPAT) case was brought forth and subsequently settled, producing Modified Draft Plan Conditions and Minutes of Settlement. Hazard zoning designations along Watercourses 7, 9 and 10 and the Nipissing Ridge, Open Space designations for the archaeological and stormwater management facility areas, and the Residential designation for the remainder of the Site have

all been respected in the approved and constructed design and remain unchanged by the ZBA.

The submission history for the Functional Servicing and Stormwater Management studies prepared for the Site are summarized in **Table 1**. The below studies and reports can be referenced for additional information and have been attached to this letter.

Table 1: Site Servicing and Stormwater Management Submission History

Report	Date	Comments
1st Submission FSR/SWM Report	December 2016	Issued for 1st Submission Draft Plan Approval
2nd Submission FSR/SWM Report	April 2018	Issued for 2nd Submission Draft Plan Approval
1st Submission S&SWM Implementation Report	October 2018	Issued for 1st Submission Subdivision Agreement & Site Plan Approval
2nd Submission S&SWM Implementation Report	September 2020	Issued for 2nd Submission Subdivision Agreement & Site Plan Approval
3rd Submission S&SWM Implementation Report	May 2021	Issued for 3rd Submission Subdivision Agreement & Site Plan Approval
- Updated Sanitary & Storm Sewer Design Sheets (2022) 4th Submission SWM Memo (2022) - Water Model Memo (2023) - Sanitary Capacity Letter (2023)	2022-2023	Issued between 3 rd Submission and approval for Subdivision Agreement & Site Plan Approval
FSR Addendum Letter (this document)	July 2026	Issued for Zoning By-law Amendment Application

This Site is at an advanced phase of development with all civil services, utility services installed and commissioned. The subdivision agreement has been executed and registered with the County.

3.0 SERVICING OVERVIEW

The proposed removal of type of tenure from zoning does not result in any change to the servicing infrastructure design, capacities, alignment, or performance from what was approved through the May 2021 S&SWM Implementation Report and the associated Subdivision Agreement. The existing servicing continues to apply regardless of the tenure of the lands.

A summary of the approved servicing design (unchanged by this ZBA) is provided below for reference.

3.1 Sanitary Servicing

The Site is serviced by two connections to the existing 525 mm diameter trunk sanitary sewer along Lakeshore Road. The first connection outlets to the northwest (approximately 95 m west of Watercourse 9) and services 148 residential units, the Clubhouse (counted as 5 equivalent units),

and one additional service where a Storage Facility was previously contemplated (counted as 1 equivalent unit). The second connection outlets to the northeast (approximately 130 m east of Watercourse 9) and services 63 residential units. Sanitary flows drain by gravity toward the existing Lakeshore Road Sewage Pumping Station and are pumped to the Craigleith Wastewater Treatment Plant. The peak sanitary design flow at buildout is 13.3 L/s, based on 217 unit-equivalents across 13.0 ha, calculated using TOBM standards (450 L/cap/day, 0.23 L/s/ha infiltration, 2.3 persons/unit, Harmon peaking factor 4.0). Downstream capacity was confirmed by Crozier's Downstream Sanitary Sewer Capacity Assessment (October 2023) and remains valid.

Previous sanitary calculations accounted for one unit at the previously contemplated storage facility location. Two single detached units are now contemplated here for a net increase of one unit. The sanitary sewer design sheet was updated to add one unit resulting in an increase of 0.03 L/s sanitary flow from the site. This is an insignificant increase, and the downstream system has sufficient capacity to accommodate this.

Per request of the TOBM during the design / approval process, sanitary sewers within this development are to be publicly owned and maintained. This was approved through a CLI-ECA SS1 application in 2023. Ownership of the sanitary sewers will remain unchanged regardless of tenure.

3.2 Water Servicing

The Site is serviced via two dedicated connections to TOBM's municipal water distribution network: a primary connection to the 350 mm diameter watermain on Grey Road 19, and a secondary connection to the 200 mm diameter watermain on Lakeshore Road. The watermain network is configured as a looped internal distribution system. A Pressure Reducing Valve (PRV) located north of Squill Crescent and near the ridge manages pressures between the two pressure zones separated by the Nipissing Ridge.

Previous design calculations accounted for the previously contemplated storage facility and addition of two single detached units in lieu of the storage facility is a net increase of 1 unit. Updated design demands have been negligibly increased and are summarized below:

- Average Day 2.61 L/s (previously 2.60 L/s)
- Max Day 5.23 L/s (previously 5.21 L/s)
- Peak Hour 11.77 L/s (previously 11.72 L/s)
- Fire Flow 133 L/s (unchanged)
- Total Design Flow (Peak Residential + Fire) 144.77 L/s (previously 144.72 L/s)

Adequate fire hydrant coverage continues to be provided such that all units are within 50 m of a hydrant. Sufficient fire flows continue to be provided per the Water Model Memo (2023).

The watermain has been constructed and commissioned and is owned and operated by TOBM as processed through Form 1. Ownership of the water distribution system within the Site will remain unchanged regardless of tenure.

3.3 Stormwater Management and Drainage

The approved and constructed stormwater management strategy consists of a dual drainage system (minor 5-year / major 100-year and Regional) discharging to one of three end-of-pipe SWM facilities:

- SWMF #1 (Upper/South Pond, wetland; 13.1 ha)
- SWMF #2 (Lower/North Pond, wet pond; 9.6 ha)
- Jellyfish JF6-5-1 enhanced-treatment filter unit servicing Catchment 9D (1.32 ha).

All facilities are sized to meet the design criteria of TOBM, GSCA, MTO and MECP, including MECP "Enhanced Protection" (80% long-term TSS removal for 90% of the annual runoff). A summary of the SWM Facility Operating Characteristics is provided in **Table 2**.

Table 2: SWM Facility Operating Characteristics

Facility	Type	Contributing Area (ha)	Permanent Pool Vol. (m³)	Extended Detention Vol. (m³)	Regional Storage Volume (m³)
SWMF #1 (Upper Pond)	Wetland	13.1	1,130 (525 req'd)	830 (540 req'd)	9757 (7803 req'd)
SWMF #2 (Lower Pond)	Wet Pond	9.6	1,060 (979 req'd)	790 (618 req'd)	5114 (4186 req'd)
Jellyfish Filter (Catchment 9D)	Enhanced Filter (JF6-5-1)	1.32	N/A	89% TSS Removal	N/A

The approved design demonstrates a post-development peak flow reduction at the Watercourse 9 crossing at Lakeshore Road relative to pre-development conditions across all storm events, ranging from -2.6% (2-year) to -5.4% (50-year) to -0.8% (Regional). SWM modelling calculations accounted for the storage facility which was approximately the same impervious area as two single detached units. Flow from the two additional units is considered equal or negligible to what was previously assessed with the storage facility and can be supported from a stormwater management perspective.

SWMF #1 and SWMF #2 including outlet infrastructure will be publicly owned and maintained per the approved CLI-ECA SW2. Ownership of the SWM Facilities will remain public regardless of the ultimate form of residential tenure. The Jellyfish filter as well as all storm sewers on site are privately owned and maintained per the approved ECA obtained by Parkbridge, and will remain privately owned and maintained regardless of tenure.

3.4 Site Grading and Erosion Control

The approved Site grading provides 0.3 m of freeboard above the Regional water surface elevation across all developed lands. Approved erosion and sediment controls (heavy-duty silt fencing, straw bale and rock check dams, mud mat, dust suppression, and temporary sediment basins) remain per approved Drawings C110.A–D. No changes are proposed other than minor grading to accommodate the additional two units. This does not impact overall grading patterns on site.

4.0 SITE ACCESS

Access to the Site is by a municipal road that is maintained all year. Primary vehicular access is from Grey Road 19, with a secondary emergency access from Lakeshore Road. Both roads are maintained year-round. The Site is not accessible by water.

Roads are privately owned and maintained. An easement is provided over the servicing corridor to the Town to maintain their services under the roadway. This ownership will remain the same regardless of the ultimate form of residential tenure.

6.0 CONCLUSION

Based on the review and analysis presented in this Addendum Letter, we conclude the following:

1. The proposed removing of a reference to specific form of tenure of the Parkbridge Craigleith Ridge Residential Development does not result in any change to the servicing infrastructure design, alignment, or performance previously approved through the May 2021 S&SWM Implementation Report (3rd Submission – Site Plan Approval).
2. Sanitary, water, and stormwater servicing for two additional single detached units (net increase of one unit compared to previous calculations) can be supported.
3. The approved site plan, unit types, roadway configuration, sanitary servicing, water servicing, stormwater management strategy, site grading, and erosion and sediment control measures are all unchanged by this ZBA.
4. The Site is served by a publicly owned water distribution system, a publicly owned sanitary sewage system, private storm sewers, two publicly owned SWM Facilities and a privately owned Jellyfish Filter.
5. Ownership and maintenance responsibilities for public infrastructure will remain with the Town. Ownership and maintenance for private infrastructure will similarly remain private regardless of the ultimate form of residential tenure.

We trust this Addendum Letter meets the Town's requirements for the ZBA application. Please do not hesitate to contact the undersigned should you have any questions or require clarification.

Sincerely,

C.F. CROZIER & ASSOCIATES INC.

Jessie Elder, P.Eng
Project Manager

SO/je

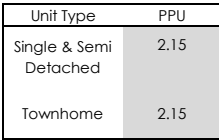
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Enclosures

Updated Sanitary Sewer Design Sheet
Updated Water Demand Calculations
3rd Submission Servicing & Stormwater Management Implementation Report (May 2021)
4th Submission SWM Memo (2022)
Water Model Memo (2023)
Sanitary Capacity Letter (2023)

PARKBRIDGE CRAIGLEITH 1046-4031 SANITARY SEWER DESIGN SHEET																																																									
C CROZIER CONSULTING ENGINEERS								<table><tr><th>Unit Type</th><th>PPU</th></tr><tr><td>Single & Semi Detached</td><td>2.15</td></tr><tr><td>Townhome</td><td>2.15</td></tr></table>		Unit Type	PPU	Single & Semi Detached	2.15	Townhome	2.15	<table><tr><td>Mannings "n":</td><td>0.013</td></tr><tr><td>Peak Factor (M):</td><td>1+[14/4+(P/1000)^0.5]</td></tr><tr><td>Residential</td><td></td></tr><tr><td>Avg. Daily/Capita Flow (L/cap.d):</td><td>350</td></tr><tr><td>Infiltration Q (L/ha.s):</td><td>0.28</td></tr></table>														Mannings "n":	0.013	Peak Factor (M):	1+[14/4+(P/1000)^0.5]	Residential		Avg. Daily/Capita Flow (L/cap.d):	350	Infiltration Q (L/ha.s):	0.28	<table><tr><td>DESIGNED BY:</td><td>JE</td></tr><tr><td>CHECKED BY:</td><td>RW</td></tr><tr><td>DATE:</td><td>2020-06-16</td></tr><tr><td>REVISION NO.:</td><td>3</td></tr><tr><td>REVISED BY:</td><td>SO</td></tr><tr><td>DATE:</td><td>2026-07-22</td></tr></table>						DESIGNED BY:	JE	CHECKED BY:	RW	DATE:	2020-06-16	REVISION NO.:	3	REVISED BY:	SO	DATE:	2026-07-22
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SANITARY SYSTEM TO NORTHWEST OUTLET																																																									
1	Hawthorn Way	SAMH27	SAMH26	0.36	6	13	13.0	4.40	0.05	0.23	0.10	0.10	0.33	42.8	200	214.04	212.32	214.24	212.52	4.0%	65.60	0.51%	2.09		217.42	215.26	3.18	2.74																													
2	Hawthorn Way	SAMH26	SAMH24	0.32	5	11	24.0	4.37	0.10	0.42	0.09	0.19	0.62	20.3	200	211.45	211.24	211.65	211.44	1.0%	32.80	1.88%	1.04	0.87	215.26	214.27	3.61	2.83																													
3	Hawthorn Way	SAMH24	SAMH23	0.07	0	0	24.0	4.37	0.10	0.42	0.02	0.21	0.63	41.4	200	211.19	209.53	211.39	209.73	4.0%	65.60	0.97%	2.09	0.05	214.27	212.15	2.88	2.42																													
4	Hawthorn Way	SAMH23	SAMH21	0.03	0	0	24.0	4.37	0.10	0.42	0.01	0.22	0.64	20.1	200	208.06	207.87	208.26	208.07	0.9%	31.80	2.02%	1.01	1.47	212.15	211.15	3.89	3.08																													
6	Periwinkle Crescent	SAMH52	SAMH50	0.26	7	16	16.0	4.39	0.06	0.28	0.07	0.07	0.36	39.0	200	209.89	208.72	210.09	208.92	3.0%	56.81	0.63%	1.81		212.66	211.29	2.57	2.37																													
5	Periwinkle Crescent	SAMH50	SAMH21	0.03	0	0	16.0	4.39	0.06	0.28	0.01	0.08	0.37	15.4	200	208.67	208.33	208.87	208.53	2.2%	48.76	0.75%	1.55	0.05	211.29	211.15	2.42	2.62																													
9	Hawthorn Way	SAMH21	SAMH19	0.05	0	0	40.0	4.33	0.16	0.70	0.01	0.31	1.02	35.0	200	207.77	206.04	207.97	206.24	4.9%	72.82	1.39%	2.32	0.56	211.15	209.14	3.18	2.90																													
7	Periwinkle Crescent	SAMH49	SAMH48	0.22	7	16	16.0	4.39	0.06	0.28	0.06	0.06	0.35	37.6	200	207.38	206.04	207.58	206.24	3.6%	61.97	0.56%	1.97		210.93	209.75	3.35	3.51																													
8	Periwinkle Crescent	SAMH48	SAMH19	0.13	6	13	29.0	4.36	0.12	0.51	0.04	0.10	0.61	39.0	200	205.96	205.47	206.16	205.67	1.3%	36.67	1.66%	1.17	0.08	209.75	209.14	3.59	3.47																													
10	Hawthorn Way	SAMH19	SAMH18	0.07	0	0	69.0	4.28	0.28	1.20	0.02	0.43	1.63	42.9	200	205.39	203.25	205.59	203.45	5.0%	73.34	2.22%	2.33	0.08	209.14	206.64	3.55	3.19																													
11	Coltsfoot Lane	SAMH47	SAMH46	0.33	9	20	20.0	4.38	0.08	0.35	0.09	0.09	0.45	70.1	200	203.51	202.81	203.71	203.01	1.0%	32.80	1.36%	1.04		207.30	206.64	3.59	3.63																													
12	Coltsfoot Lane	SAMH46	SAMH18	0.01	0	0	20.0	4.38	0.08	0.35	0.00	0.10	0.45	6.4	200	202.76	202.73	202.96	202.93	0.5%	23.19	1.94%	0.74	0.05	206.64	206.64	3.68	3.71																													
13	Hawthorne Way	SAMH18	SAMH17	0.03	0	0	89.0	4.26	0.36	1.53	0.01	0.53	2.07	33.1	200	202.65	200.99	202.85	201.19	5.0%	73.34	2.82%	2.33	0.08	206.64	204.69	3.79	3.50																													
17	Squill Cescent	SAMH45	SAMH44	0.16	4	9	9.0	4.42	0.04	0.16	0.04	0.04	0.21	29.5	200	204.50	202.47	204.70	202.67	6.9%	86.09	0.24%	2.74		207.58	206.54	2.88	3.87																													
16	Squill Cescent	SAMH44	SAMH43	0.10	4	9	18.0	4.39	0.07	0.32	0.03	0.07	0.39	32.0	200	202.41	201.10	202.61	201.30	4.1%	66.49	0.59%	2.12	0.06	206.54	205.41	3.93	4.11																													
15	Squill Cescent	SAMH43	SAMH42	0.10	1	3	21.0	4.38	0.09	0.37	0.03	0.10	0.47	32.8	200	201.05	200.59	201.25	200.79	1.4%	38.95	1.22%	1.24	0.05	205.41	204.65	4.16	3.86																													
14	Squill Cescent	SAMH42	SAMH17	0.01	0	0	21.0	4.38	0.09	0.37	0.00	0.10	0.48	6.8	200	200.54	200.47	200.74	200.67	1.0%	32.80	1.45%	1.04	0.05	204.65	204.69	3.91	4.02																													
21	Hawthorne Way	SAMH17	SAMH16	0.06	0	0	110.0	4.23	0.45	1.89	0.02	0.66	2.54	47.4	200	200.05	198.16	200.25	198.36	4.0%	65.60	3.87%	2.09	0.42	204.69	201.86	4.44	3.50																													
18	Squill Cescent	SAMH41	SAMH40	0.27	5	11	11.0	4.41	0.04	0.20	0.08	0.08	0.27	35.9	200	204.50	202.89	204.70	203.09	4.5%	69.58	0.39%	2.21		208.58	206.13	3.88	3.04																													
19	Squill Cescent	SAMH40	SAMH39	0.30	14	31	42.0	4.33	0.17	0.74	0.08	0.16	0.90	50.8	200	202.01	199.73	202.21	199.93	4.5%	69.58	1.29%	2.21	0.88	206.13	202.29	3.92	2.36																													
20	Squill Cescent	SAMH39	SAMH38	0.10	3	7	49.0	4.32	0.20	0.86	0.03	0.19	1.04	21.5	200	199.68	198.82	199.88	199.02	4.0%	65.60	1.59%	2.09	0.05	202.29	201.79	2.41	2.77																													
22	Squill Cescent	SAMH38	SAMH16	0.01	0	0	49.0	4.32	0.20	0.86	0.00	0.19	1.05	7.7	200	198.18	197.95	198.38	198.15	3.0%	56.43	1.86%	1.80	0.64	201.79	201.86	3.41	3.71																													
23	Hawthorne Way	SAMH16	SAMH15	0.05	0	0	159.0	4.18	0.64	2.69	0.01	0.86	3.55	43.3	200	197.36	195.63	197.56	195.83	4.0%	65.60	5.42%	2.09	0.59	201.86	198.62	4.30	2.79																													
24	Hawthorne Way	SAMH15	SAMH14	0.02	0	0	159.0	4.18	0.64	2.69	0.01	0.87	3.56	15.2	200	194.83	194.22	195.03	194.42	4.0%	65.60	5.43%	2.09	0.80	198.62	197.49	3.59	3.07																													
24a	Hawthorne Way	SAMH14	SAMH13	0.03	0	0	159.0	4.18	0.64	2.69	0.01	0.87	3.57	19.0	200	193.42	192.66	193.62	192.86	4.0%	65.60	5.44%	2.09	0.80	197.49	196.06	3.87	3.20																													
24b	Hawthorne Way	SAMH13	SAMH12	0.02	0	0	159.0	4.18	0.64	2.69	0.01	0.88	3.57	16.0	200	191.86	191.22	192.06	191.42	4.0%	65.60	5.45%	2.09	0.80	196.06	194.85	4.00	3.43																													
25	Hawthorne Way	SAMH12	SAMH10	0.13	2	5	164.0	4.18	0.66	2.78	0.04	0.92	3.69	60.5	200	190.42	187.70	190.62	187.90	4.5%	69.58	5.31%	2.21	0.80	194.85	190.66	4.23	2.76																													
26	Hawthorne Way	SAMH10	SAMH9	0.13	4	9	173.0	4.17	0.70	2.92	0.04	0.95	3.87	20.5	200	187.20	186.48	187.40	186.68	3.5%	61.36	6.31%	1.95	0.50	190.66	189.89	3.26	3.21																													
27	Hawthorne Way	SAMH9	SAMH8	0.19	6	13	186.0	4.16	0.75	3.13	0.05	1.01	4.14	24.4	200	186.16	185.31	186.36	185.51	3.5%	61.36	6.75%	1.95	0.32	189.89	189.00	3.53	3.49																													
28	Hawthorne Way	SAMH8	SAMH7	0.45	15	33	219.0	4.13	0.89	3.67	0.13	1.13	4.80	58.2	200	185.26	183.54	185.46	183.74	3.0%	56.43	8.50%	1.80	0.05	189.00	187.00	3.54	3.26																													
29	Hawthorne Way	SAMH7	SAMH5	0.28	3	7	226.0	4.13	0.92	3.78																																															

SANITARY SEWER DESIGN SHEET



Mannings "n":	0.013
Peak Factor (M):	$1 + (14/4 + (P/1000)^{0.5})$
Residential	350
Avg. Daily/Capita Flow (L/cap.d):	
Infiltration Q (L/ha.s):	0.28

DATE: 2026-07-22

CATCHMENT I.D.		STREET	FROM MH NO	TO MH NO	AREA (Ha)	UNITS	POP.	TOTAL TRIB. POP.	RESIDENTIAL PEAK FACTOR	RESIDENTIAL AVG. FLOW (l/s)	MAX FLOW (l/s)	INFILT. (l/s)	TOTAL INFILT. (l/s)	TOTAL FLOW (l/s)	LENGTH (m)	PIPE DIAM. (mm)	UPPER INV. EL.	LOWER INV. EL.	UPPER OBV. EL.	LOWER OBV. EL.	SLOPE (%)	CAP. (l/s)	CAP. (%)	FULL FLOW VELOCITY (m/s)	MH DROP (m)	GROUND UPPER	GROUND LOWER	COVER UPPER	COVER LOWER	
SANITARY SYSTEM TO NORTHEAST OUTLET																														
40		Thistle Trail	SAMH74	SAMH73	0.16	4	9	9.0	4.42	0.04	0.16	0.04	0.04	0.21	30.7	200	183.09	182.13	183.29	182.33	3.1%	58.03	0.35%	1.85		186.49	185.63	3.20	3.30	
39		Fescue Court	SAMH75	SAMH73	0.38	12	26	26.0	4.36	0.11	0.46	0.11	0.11	0.57	47.2	200	184.44	182.13	184.64	182.33	4.9%	72.60	0.78%	2.31		188.07	185.63	3.43	3.30	
41		Thistle Trail	SAMH73	SAMH72	0.17	4	9	44.0	4.33	0.18	0.77	0.05	0.20	0.97	31.7	200	182.08	181.26	182.28	181.46	2.6%	52.89	1.83%	1.68	0.05	185.63	184.70	3.35	3.24	
42		Thistle Trail	SAMH72	SAMH56	0.24	6	13	57.0	4.30	0.23	0.99	0.07	0.27	1.26	57.2	200	181.21	179.95	181.41	180.15	2.2%	48.65	2.59%	1.55	0.05	184.70	183.50	3.29	3.35	
45		Thistle Trail	SAMH69	SAMH68	0.28	4	9	9.0	4.42	0.04	0.16	0.08	0.08	0.24	53.1	200	182.07	181.48	182.27	181.68	1.1%	34.56	0.69%	1.10		185.06	184.41	2.79	2.73	
44		Thistle Trail	SAMH68	SAMH66	0.09	0	0	9.0	4.42	0.04	0.16	0.03	0.10	0.26	38.7	200	181.43	180.64	181.63	180.84	2.0%	46.85	0.57%	1.49	0.05	184.41	183.90	2.78	3.06	
43		Thistle Trail	SAMH66	SAMH56	0.05	0	0	9.0	4.42	0.04	0.16	0.01	0.12	0.28	30.2	200	180.59	179.82	180.79	180.02	2.6%	52.37	0.53%	1.67	0.05	183.90	183.50	3.11	3.48	
46		Thistle Trail	SAMH69	SAMH70	0.14	2	5	5.0	4.44	0.02	0.09	0.04	0.04	0.13	23.1	200	182.08	181.85	182.28	182.05	1.0%	32.80	0.39%	1.04		185.06	185.32	2.78	3.27	
47		Thistle Trail	SAMH70	SAMH71	0.16	1	3	8.0	4.42	0.03	0.14	0.04	0.08	0.23	24.7	200	181.80	181.68	182.00	181.88	0.5%	22.49	1.01%	0.72	0.05	185.32	185.62	3.32	3.74	
48		Thistle Trail	SAMH71	SAMH64	0.08	0	0	8.0	4.42	0.03	0.14	0.02	0.11	0.25	22.0	200	181.63	181.53	181.83	181.73	0.5%	22.49	1.11%	0.72	0.05	185.62	185.67	3.79	3.94	
49		Thistle Trail	SAMH64	SAMH63	0.23	5	11	19.0	4.38	0.08	0.34	0.06	0.17	0.51	27.0	200	181.48	181.35	181.68	181.55	0.5%	22.96	2.21%	0.73	0.05	185.67	185.43	3.99	3.88	
50		Thistle Trail	SAMH63	SAMH62	0.12	2	5	24.0	4.37	0.10	0.42	0.03	0.20	0.63	22.2	200	181.29	181.17	181.49	181.37	0.6%	24.54	2.56%	0.78	0.06	185.43	185.25	3.94	3.88	
51		Thistle Trail	SAMH62	SAMH61	0.11	2	5	29.0	4.36	0.12	0.51	0.03	0.24	0.75	11.6	200	181.12	181.04	181.32	181.24	0.7%	26.65	2.80%	0.85	0.05	185.25	185.13	3.93	3.89	
52		Thistle Trail	SAMH61	SAMH60	0.22	2	5	34.0	4.35	0.14	0.60	0.06	0.30	0.90	16.7	200	180.99	180.91	181.19	181.11	0.5%	22.72	3.94%	0.72	0.05	185.13	184.97	3.94	3.86	
53		Thistle Trail	SAMH60	SAMH59	0.51	8	18	52.0	4.31	0.21	0.91	0.14	0.44	1.35	66.3	200	180.86	180.54	181.06	180.74	0.5%	22.72	5.93%	0.72	0.05	184.97	184.42	3.91	3.68	
54		Thistle Trail	SAMH59	SAMH58	0.26	4	9	61.0	4.30	0.25	1.06	0.07	0.51	1.57	31.0	200	180.49	180.32	180.69	180.52	0.6%	24.76	6.36%	0.79	0.05	184.42	184.14	3.73	3.62	
55		Thistle Trail	SAMH58	SAMH57	0.18	3	7	68.0	4.29	0.28	1.18	0.05	0.56	1.74	24.0	200	180.27	180.15	180.47	180.35	0.5%	23.19	7.52%	0.74	0.05	184.14	183.93	3.67	3.58	
56		Thistle Trail	SAMH57	SAMH56	0.29	6	13	81.0	4.27	0.33	1.40	0.08	0.64	2.04	51.7	200	180.10	179.85	180.30	180.05	0.5%	22.72	9.00%	0.72	0.05	183.93	183.50	3.63	3.45	
N/A		SWMF Access Road	SAMH56	SAMH55	0.00	0	0	147.0	4.19	0.60	2.50	0.00	1.03	3.52	38.2	200	179.77	179.57	179.97	179.77	0.5%	23.65	14.90%	0.75	0.08	183.50	183.24	3.53	3.47	
N/A		SWMF Access Road	SAMH55	SAMH76	0.00	0	0	147.0	4.19	0.60	2.50	0.00	1.03	3.52	46.5	200	179.52	179.29	179.72	179.49	0.5%	23.19	15.20%	0.74	0.05	183.24	181.77	3.52	2.28	
N/A		SWMF Access Road	SAMH76	SAMH77	0.00	0	0	147.0	4.19	0.60	2.50	0.00	1.03	3.52	55.8	200	179.24	178.96	179.44	179.16	0.5%	23.19	15.20%	0.74	0.05	181.77	181.56	2.33	2.40	
Totals					10.61	218	(213 Residential, Club House - counted as 5 units)																							



File: 1046-4031
Project: Parkbridge Craigleith
Date: 28-Jul-26
By: JE
Check By:

Parkbridge Craigleith - Water Design Criteria

Developed Site Area	13.00 ha
Number of Residential Units (211 Residential + Clubhouse (5 units) & 1 Storage Facility)	218 units
Person Per Residential Unit (as per Town Standards)	2.3 persons/unit
Residential Population	502 persons

Domestic Water Design Flows

Residential (per MOE Design Guidelines 2008 and Town Standards)	450 L/C-day
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Total Domestic Water Design Flows

Average Residential Daily Flow (per MOE Design Guidelines 2008 and Town Standards)	2.61 L/sec
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Max Day Peak Factor (per Town Standards)	2.00
Max Day Demand Flow	5.23 L/sec

Peak Hour Factor (per Town Standards)	4.50
Peak Hour Flow	11.77 L/sec