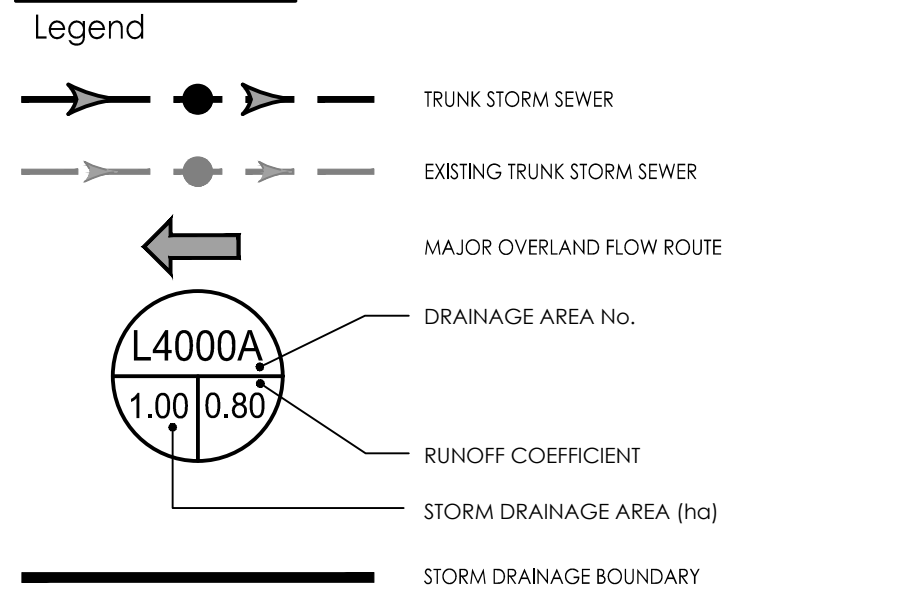


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Notes

- TWO OGS SYSTEMS ARE PROPOSED TO TREAT RUNOFF FROM THE SITE. OGS 1 (EFO4) IS TO BE LOCATED IN CATCHMENT AREA C109A TREATING RUNOFF FROM THE COLLECTOR ROAD PRIOR TO DISCHARGING TO THE CREEK. OGS 2 (EFO12) IS TO BE LOCATED DOWNSTREAM OF THE CISTERN IN THE CELEBRATORY SPACE.

Revision

Rev	Description	By	Appd.	Date
2	REVISED AS PER CITY COMMENTS	MJS	NC	23.04.19
1	REVISED AS PER CITY COMMENTS	MJS	NC	22.03.28
0	ISSUED FOR COORDINATION	MJS	TR	21.09.22

File Name: 160401686 DB Draft Level

Rev	File Name	By	Appd.	Date
1	160401686 DB Draft Level	MJS	KK	21.09.10
0	160401686 DB Draft Level	MJS	TR	21.09.22

Permit-Seal

Client/Project
 THE PROPERTIES GROUP
 MANAGEMENT LTD.
 STILLWATER STATION
 1987 ROBERTSON ROAD
 OTTAWA, ON, CANADA

Title
 STORM SEWER NETWORK AND
 DRAINAGE PLAN

Project No. 160401686
Scale 1:750
Drawing No. Sheet
Revision

100-Year Summary of Block (Site) Storage

BLOCK ID	Area (ha)	C (100-yr)	Runoff Rate (L/s)	Discharge (L/s)	Required Storage Volume (m³)	Required Storage Rate (m³/hr)
BLOCK A	0.88	0.75	138.32	44.17	112.98	128
BLOCK B	0.75	0.93	145.93	37.69	129.88	173
BLOCK C	0.48	0.94	93.71	23.97	85.69	175
BLOCK D	0.22	0.82	38.08	11.17	32.29	145
BLOCK E	0.43	1.00	90.35	21.62	82.47	191
BLOCK F	0.74	0.73	113.63	37.07	91.87	124

5 and 100-Year Peak Flow Rates

Catchment Type	Description	Area ID	5-Year Peak Release Rate (L/s)	100-Year Peak Release Rate (L/s)
CENTRAL UNDERGROUND STORAGE (CONTROLLED) OUTLET 1	COLLECTOR & LOCAL STREETS, PARKS, EXTERNAL AREAS, CONTROLLED RELEASE FROM BLOCKS	EX-2, EX-1, C106A, C105A, L104A, L102C, L102A, L101A, L102E, L110A, & L100A	152.43	215.65
OUTLET 2 (UNCONTROLLED)	COLLECTOR ROAD	C109B, C109A	207.45	381.28
NON-TRIBUTARY (UNCONTROLLED)	AREAS DRAINING DIRECTLY TO STILLWATER CREEK, PATHWAY FROM SITE TO ROBERTSON ROAD	UNC-1, UNC-2, UNC-3	156.16	334.52
TOTAL	POST-DEVELOPMENT		516.04	931.44
TARGET	PRE-DEVELOPMENT		547.26	932.34

5 and 100-Year Storm Underground Storage Volume Requirement

Catchment Type	Tributary Area	5-Year Vol. Required (m³)	100-Year Vol. Required (m³)	100-Year Vol. Provided (m³)
UNDERGROUND STORAGE (OUTLET 1)	COLLECTOR & LOCAL STREETS, PARKS, EXTERNAL AREAS, BLOCK AREAS	557	841	1264

2024/09/27 14:01:00 (UTC-04:00) Design Drawing: 160401686 DB Draft Level - 2.dwg
 ORIGINAL SHEET - ARCH-D