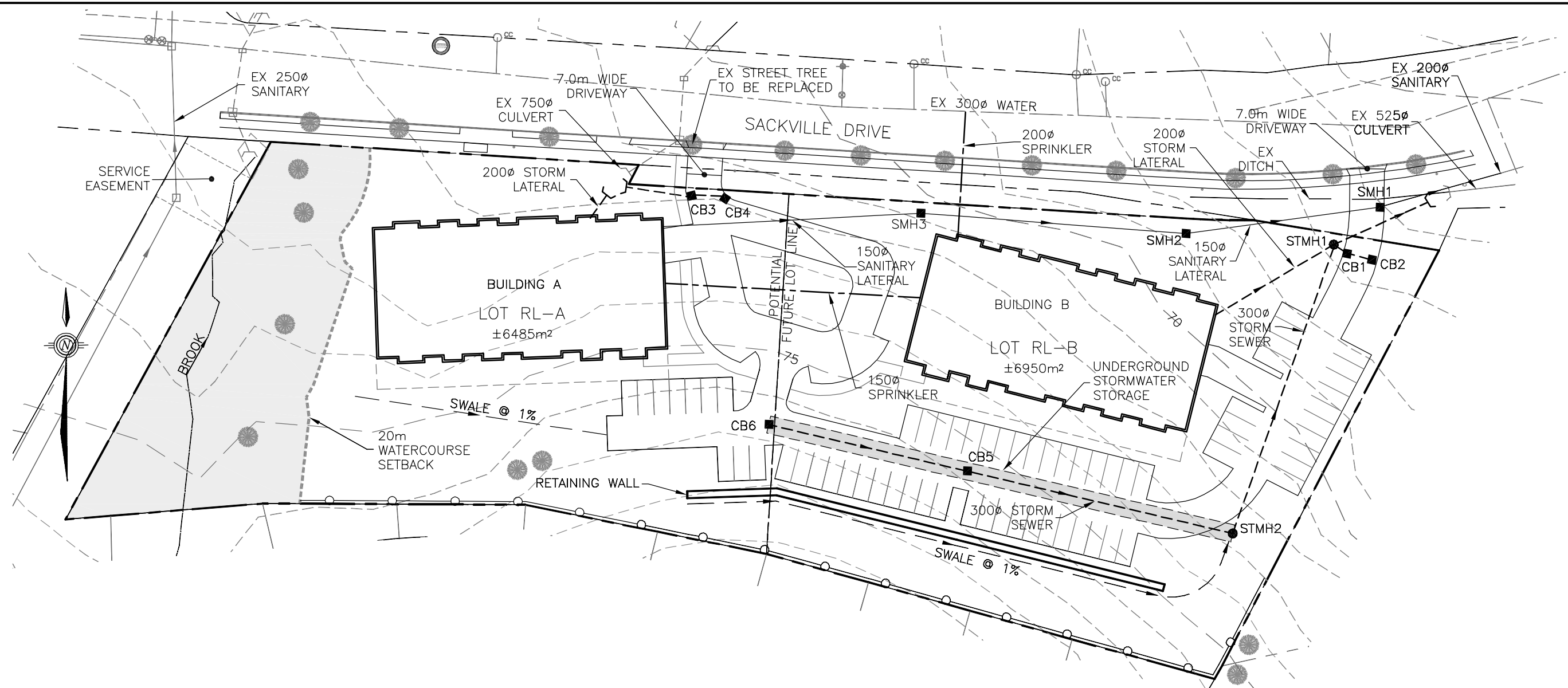




STORMWATER MANAGEMENT

NOTES

- 1. EXISTING WATER, STORM AND SANITARY SEWER UNDERGROUND PIPING BASED ON HALIFAX WATER GIS DATA AND RECORD INFORMATION.
- 2. PROPERTY BOUNDARIES ARE BASED ON MAPPING AND ARE SUBJECT TO SURVEY.
- 3. CONTOUR INTERVAL: 1m
- 4. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH HALIFAX REGIONAL MUNICIPALITY DESIGN SPECIFICATIONS AND BY-LAWS AND HALIFAX WATER DESIGN AND CONSTRUCTION SPECIFICATIONS.

Return Period	Drainage Area (ha)	Pre-Development				Post-Development				Pond Sizing		
		Runoff Coefficient C	Time of Concentration t _c (min)	Intensity i (mm/hr)	Peak Runoff Q (m³/s)	Runoff Coefficient C	Time of Concentration t _c (min)	Intensity i (mm/hr)	Uncontrolled Peak Runoff Q (m³/s)	Controlled Peak Outflow Q (m³/s)	t _c (min)	Minimum Storage Volume (m³)
5 yr	1.595	0.32	15	54.3	0.077	0.44	10	67.6	0.132	0.077	20	33
10 yr	1.595	0.32	15	62.4	0.088	0.44	10	77.8	0.152	0.088	20	38
25 yr	1.595	0.32	15	72.6	0.103	0.44	10	90.7	0.177	0.103	20	44
50 yr	1.595	0.32	15	80.2	0.114	0.44	10	100.2	0.195	0.114	20	49
100 yr	1.595	0.50	15	87.7	0.194	0.75	10	109.7	0.364	0.194	20	102
IDF Curve Data (Halifax Airport)												
i = at _c ^{-b}												
	5 yr	10 yr	25 yr	50 yr	100 yr							
a =	25.6	29.3	33.9	37.4	40.8							
b =	0.542	0.545	0.549	0.550	0.552							

MARCHAND DEVELOPMENTS



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PARCEL RL SACKVILLE DRIVE
PID 40109308
MIDDLE SACKVILLE, NOVA SCOTIA

MUNICIPAL SERVICING AND
STORM WATER MANAGEMENT

3	16 DEC 20	SINGLE SERVICE CONNECTIONS	ATA
2	05 OCT 20	DRIVEWAY WIDTHS / SUBDIVISION	ATA
1	01 AUG 20	ISSUED FOR DEVELOPMENT AGREEMENT	ATA
No.	Date	Revision Description	Appr'd

Date
May 19, 2020
Scale
1: 750
Sheet
S01
Project No.
658-4