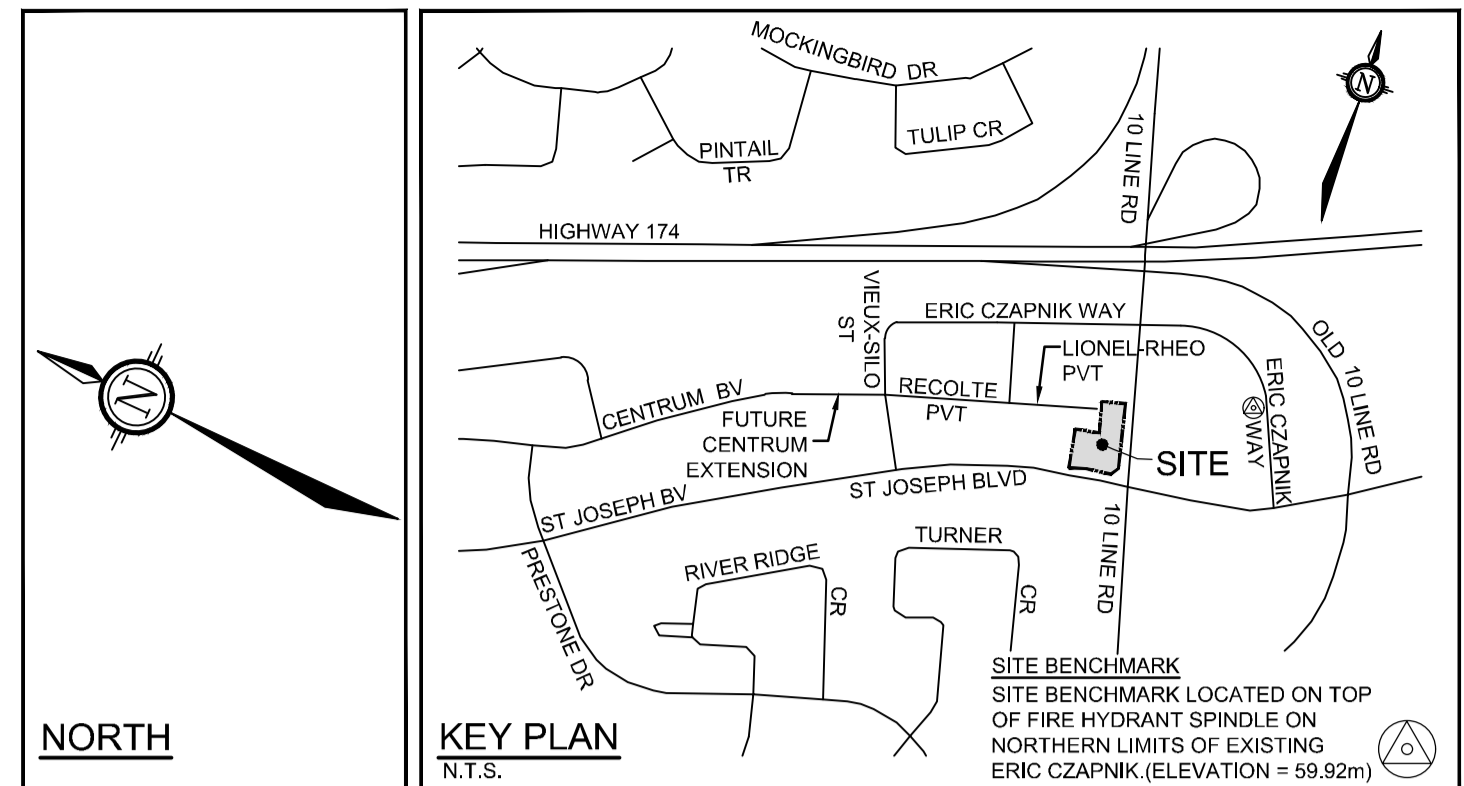
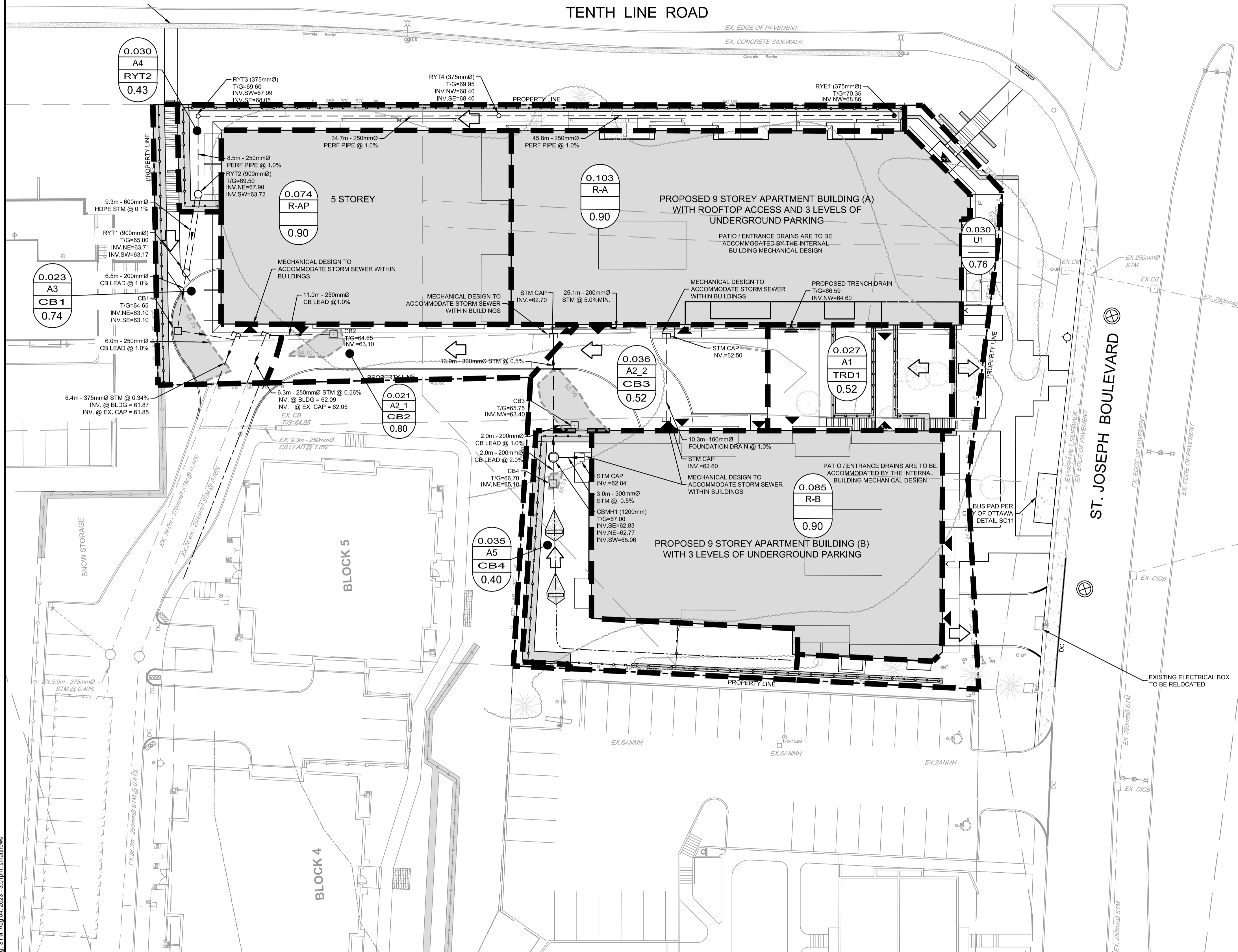


Area ID	Static Ponding Area (m ²)	Drainage Area (ha)	Runoff Coef. (R)	Time-of-Conc. (min)	Rainfall Intensity (mm/hr)	Uncontrolled Peak Flow (L/s)	Roof Drain Flow Control System	Controlled Peak Flow (L/s)	Flow Depth (mm)	Storage Required (m ³)	Storage Available (m ³)
B-A1	305.2	0.036	0.90	10.00	104.19	9.4	Watts Flow Control	0.95	0.11	7.34	18.03
B-A2	305.2	0.036	0.90	10.00	104.19	8.6	Watts Flow Control	0.95	0.11	8.48	18.48
B-A3	302.7	0.034	0.90	10.00	104.19	8.9	Watts Flow Control	0.95	0.11	8.94	17.14
TOTAL	4.103							2.85		20.96	51.64

Area ID	Static Ponding Area (m ²)	Drainage Area (ha)	Runoff Coef. (R)	Time-of-Conc. (min)	Rainfall Intensity (mm/hr)	Uncontrolled Peak Flow (L/s)	Roof Drain Flow Control System	Controlled Peak Flow (L/s)	Flow Depth (mm)	Storage Required (m ³)	Storage Available (m ³)
B-AP-1	370	0.037	0.90	10.00	104.19	9.6	Watts Flow Control	1.02	0.11	7.81	18.50
B-AP-2	370	0.037	0.90	10.00	104.19	9.6	Watts Flow Control	1.02	0.11	7.81	18.50
TOTAL	6.674							1.9		15.2	37.00

Area ID	Static Ponding Area (m ²)	Drainage Area (ha)	Runoff Coef. (R)	Time-of-Conc. (min)	Rainfall Intensity (mm/hr)	Uncontrolled Peak Flow (L/s)	Roof Drain Flow Control System	Controlled Peak Flow (L/s)	Flow Depth (mm)	Storage Required (m ³)	Storage Available (m ³)
B-B1	271.3	0.032	0.90	10.00	104.19	7.1	Watts Flow Control	0.95	0.10	6.10	13.57
B-B2	283.3	0.033	0.90	10.00	104.19	7.4	Watts Flow Control	0.95	0.10	6.10	14.17
B-B3	295.3	0.034	0.90	10.00	104.19	7.7	Watts Flow Control	0.95	0.10	5.96	14.78
TOTAL	6.685							2.85		18.12	42.51



LEGEND

- SITE BOUNDARY
- PROPOSED STORM SEWER AND DIRECTION OF FLOW
- PROPOSED RETAINING WALL
- PROPOSED RETAINING WALL C/W CHAINLINK FENCE
- PROPOSED BUILDING ENTRANCE
- PROPOSED SIAMESE CONNECTION
- STORM DRAINAGE AREA
- EXISTING STORM MANHOLE AND SEWER
- EXISTING SANITARY MANHOLE
- EXISTING VALVE AND VALE BOX
- EXISTING FIRE HYDRANT
- EXISTING CATCHBASIN
- EXISTING TOP OF GRATE
- EXISTING UTILITY POLE C/W GUY WIRES
- EXISTING LIGHT STANDARD

PONDING¹

CB No.	RIM ELEV. (m)	EVENT	WATER LEVEL ELEV. (DEPTH) (m)
CB1	64.65	2yr	(0.00) 63.97
		5yr	(0.00) 64.16
		100yr	(0.09) 64.75
		Static	(0.10) 64.75
		100yr + 20%	(0.11) 64.76

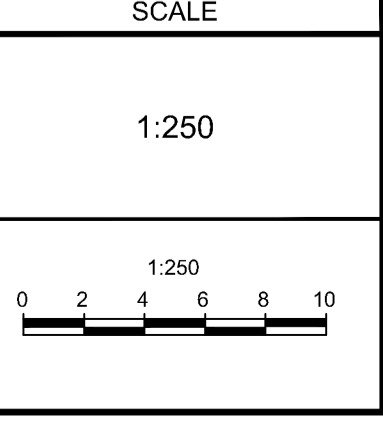
PONDING¹

CB No.	RIM ELEV. (m)	EVENT	WATER LEVEL ELEV. (DEPTH) (m)
RYT1	65.00	2yr	(0.00) 63.97
		5yr	(0.00) 64.16
		100yr	(0.00) 64.77
		Static	(0.00) 65.00
		100yr + 20%	(0.00) 64.79

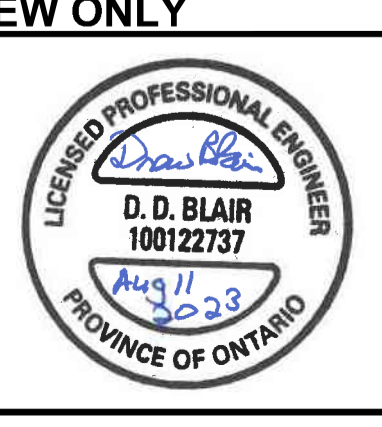
NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

**PRELIMINARY
NOT FOR
CONSTRUCTION**

No.	REVISION	DATE	BY
5.	ISSUED FOR SITE PLAN APPROVAL	AUG 11/23	DOB
4.	ISSUED FOR CITY OF OTTAWA REVIEW	JUN 2/23	DOB
3.	ISSUED FOR CITY OF OTTAWA REVIEW	JAN 27/23	DOB
2.	ISSUED FOR CITY OF OTTAWA REVIEW	MAY 8/22	DOB
1.	ISSUED FOR CITY OF OTTAWA REVIEW	DEC 23/21	DOB



DESIGN	BM
CHECKED	DOB
DRAWN	SAB / SM
CHECKED	DOB
APPROVED	DOB



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LOCATION	CITY OF OTTAWA HILLSIDE COMMONS ORLEANS TOWN CENTER
DRAWING NAME	STORMWATER MANAGEMENT PLAN
PROJECT No.	120237-00
REV	REV # 5
DRAWING No.	120237-STM

D07-12-21-0229