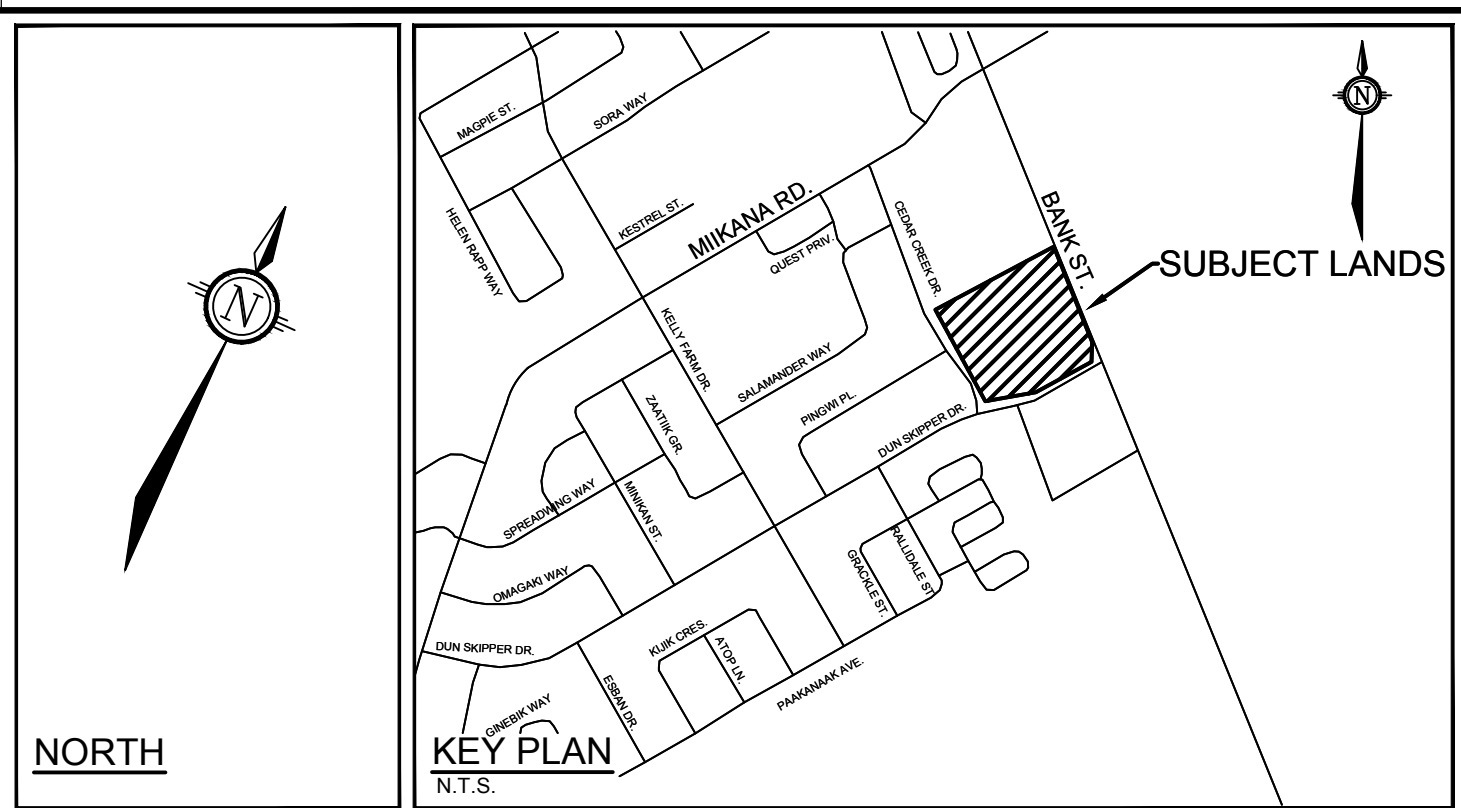
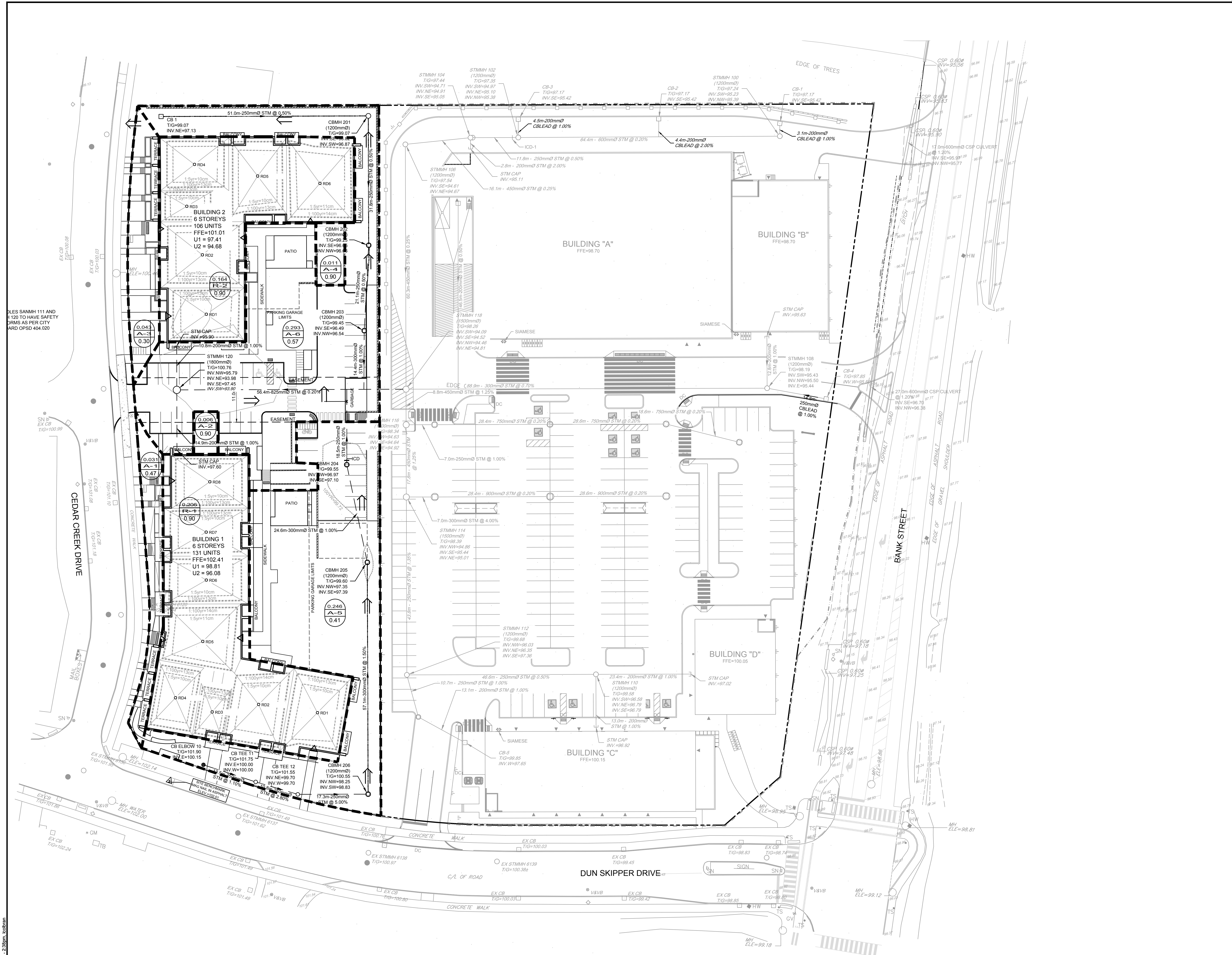




- LEGEND**
- PROPERTY LINE
 - PROPOSED CURB
 - PROPOSED DEPRESSION CURB
 - PROPOSED STORM SEWER AND MANHOLE
 - PROPOSED CATCH-BASIN MANHOLE
 - PROPOSED CATCH-BASIN
 - EXISTING STORM MANHOLE & SEWER
 - EXISTING CATCH-BASIN
 - DRAINAGE AREA LIMITS
 - POST-DEVELOPMENT AREA ID
 - POST-DEVELOPMENT DRAINAGE AREA (ha)
 - 15 YEAR WEIGHTED RUNOFF COEFFICIENT
 - DIRECTION OF MAJOR OVERLAND FLOW
 - DIRECTION OF FLOW
 - PROPOSED RETAINING WALL
 - APPROXIMATE PONDING LIMITS
 - CONTROLLED FLOW ROOF DRAIN
 - PROPOSED INLET CONTROL DEVICE
 - MAXIMUM 3:1 SIDESLOPE

INLET CONTROL DEVICE DATA TABLE - AREA A-5							
DESIGN EVENT	ICD TYPE (PLUG TYPE)	OUTLET STRUCTURE	DIAMETER OF OUTLET PIPE (mm)	PEAK DESIGN FLOW (L/s)	DESIGN HEAD (m)	WATER ELEVATION (m)	VOLUME (m³)
12 YR	CIRCULAR PLUG	1200mmØ	250mmØ	27.3	0.90	97.95	4.8
15 YR	TYPE 117mm	STMMH 204	PVC	34.7	1.38	98.48	7.3
1:100 YR	GRIFICE			47.8	2.62	99.72	29.7

ROOF DRAIN TABLE: AREA R-1 (FOR DRAINS RD 1 TO RD 8)						
AREA ID *	ROOF DRAIN No. (WATTS MODEL)	WEIR SETTING	1.5 YEAR RELEASE RATE	APPROX. 5 YR PONDING DEPTH	1:100 YEAR RELEASE RATE	APPROX. 100 YR PONDING DEPTH
R-1	RD 1 (RD-100-A-AJ)	FULLY EXPOSED	1.26 L/s	10 cm	1.58 L/s	13 cm
R-1	RD 2 (RD-100-A-AJ)	FULLY EXPOSED	1.26 L/s	10 cm	1.58 L/s	13 cm
R-1	RD 3 (RD-100-A-AJ)	1/2 EXPOSED	0.95 L/s	10 cm	1.10 L/s	13 cm
R-1	RD 4 (RD-100-A-AJ)	1/2 EXPOSED	0.95 L/s	10 cm	1.10 L/s	13 cm
R-1	RD 5 (RD-100-A-AJ)	FULLY EXPOSED	1.26 L/s	11 cm	1.58 L/s	14 cm
R-1	RD 6 (RD-100-A-AJ)	1/2 EXPOSED	0.95 L/s	10 cm	1.10 L/s	13 cm
R-1	RD 7 (RD-100-A-AJ)	1/2 EXPOSED	0.95 L/s	10 cm	1.10 L/s	13 cm
R-1	RD 8 (RD-100-A-AJ)	1/2 EXPOSED	0.95 L/s	10 cm	1.10 L/s	13 cm
TOTALS			8.53 L/s		10.24 L/s	

ROOF DRAIN TABLE: AREA R-2 (FOR DRAINS RD 1 TO RD 6)						
AREA ID *	ROOF DRAIN No. (WATTS MODEL)	WEIR SETTING	1.5 YEAR RELEASE RATE	APPROX. 5 YR PONDING DEPTH	1:100 YEAR RELEASE RATE	APPROX. 100 YR PONDING DEPTH
R-2	RD 1 (RD-100-A-AJ)	FULLY EXPOSED	1.26 L/s	10 cm	1.58 L/s	13 cm
R-2	RD 2 (RD-100-A-AJ)	FULLY EXPOSED	1.26 L/s	10 cm	1.58 L/s	13 cm
R-2	RD 3 (RD-100-A-AJ)	1/2 EXPOSED	0.95 L/s	10 cm	1.10 L/s	13 cm
R-2	RD 4 (RD-100-A-AJ)	1/2 EXPOSED	0.95 L/s	10 cm	1.10 L/s	13 cm
R-2	RD 5 (RD-100-A-AJ)	FULLY EXPOSED	1.26 L/s	11 cm	1.58 L/s	14 cm
R-2	RD 6 (RD-100-A-AJ)	FULLY EXPOSED	1.26 L/s	11 cm	1.58 L/s	14 cm
TOTALS			6.94 L/s		8.92 L/s	

* REFER TO THE SERVING AND STORMWATER MANAGEMENT REPORT (R-2024-129) PREPARED BY NOVATECH FOR DRAINAGE AREA IDENTIFIERS AND STORMWATER MANAGEMENT DETAILS.

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.

SCALE			
1:400			
0 4 8 12 16			
2 REVISED AS PER CITY COMMENTS APR 10/25 MS			
1 ISSUED FOR SPC APPLICATION JAN 17/25 MS			
No.	REVISION	DATE	BY

FOR REVIEW ONLY

MS / LSC

CHECKED MS

DRAWN LSC

CHECKED MS

APPROVED MS

DESIGN MS

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Website www.novatech-eng.com

LOCATION
CITY OF OTTAWA
150 DUN SKIPPER DRIVE

DRAWING NAME
**STORMWATER
MANAGEMENT PLAN**

PROJECT No.
124107

REV # 2

DRAWING No.
124107-SWM1