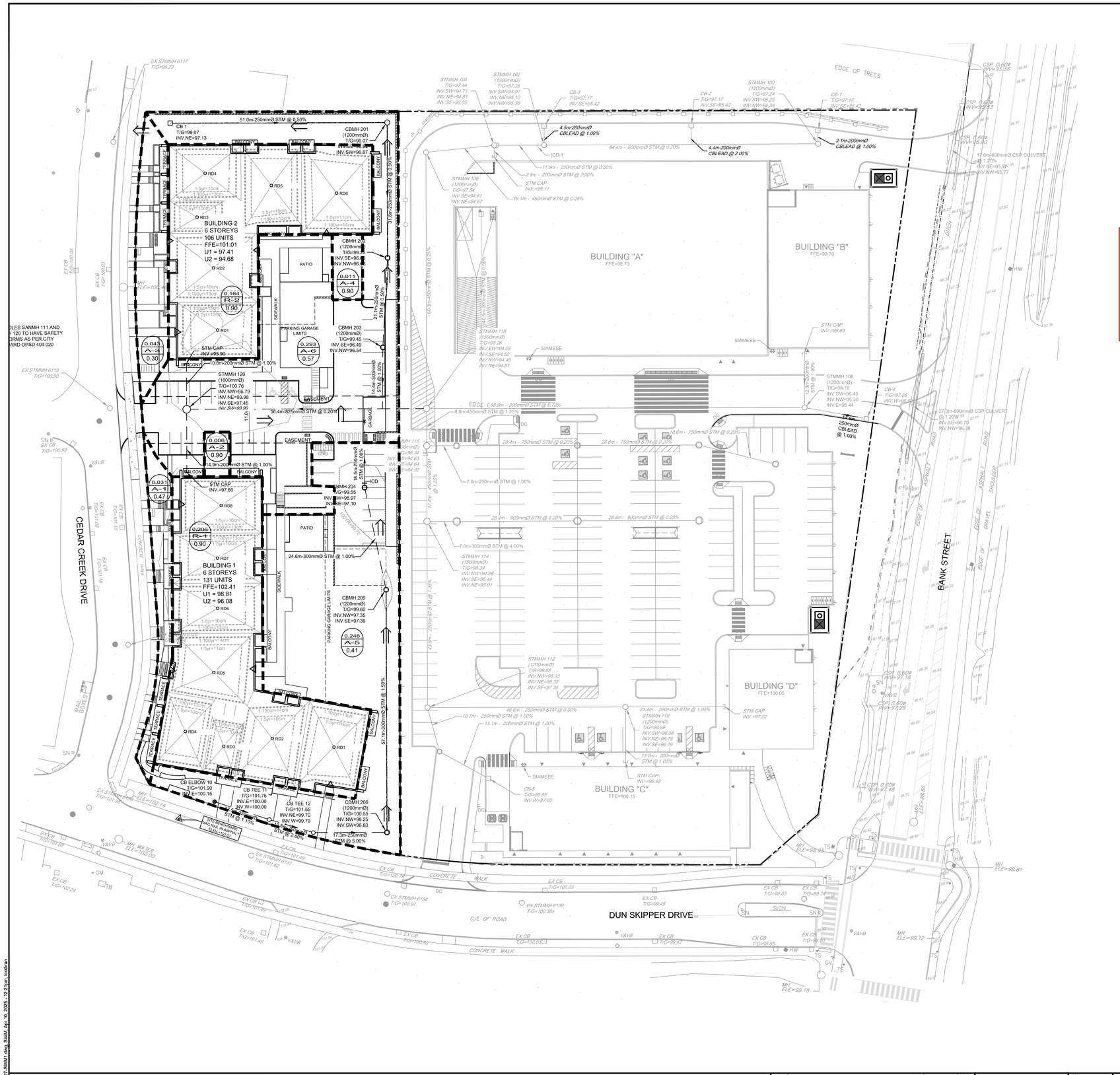

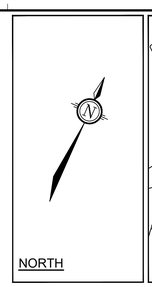

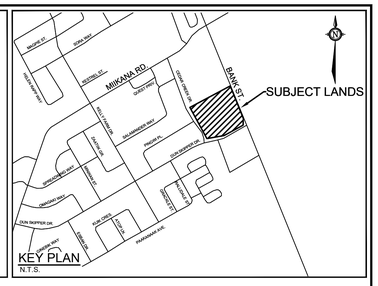

GW Wildman

GERALDINE WILDMAN
MANAGER, DEVELOPMENT REVIEW SOUTH
PLANNING, DEVELOPMENT AND BUILDING SERVICES
DEPARTMENT, CITY OF OTTAWA

APPROVED
By Geraldine Wildman at 7:06 pm, Dec 15, 2025

LEGEND

- PROPERTY LINE
- PROPOSED CURB
- DC — PROPOSED DEPRESSED CURB
- PROPOSED STORM SEWER AND MANHOLE
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- STM MH — EXISTING STORM MANHOLE & SEWER
- EXISTING CATCHBASIN
- DRAINAGE AREA LIMITS
- A-2 / 0.170 / 0.62 — POST-DEVELOPMENT AREA ID; POST-DEVELOPMENT DRAINAGE AREA (ha); 1:5 YEAR WEIGHTED RUNOFF COEFICIENT
- DIRECTION OF MAJOR OVERLAND FLOW
- DIRECTION OF FLOW
- PROPOSED RETAINING WALL
- 1:5 YR / 1:100 YR — APPROXIMATE PONDING LIMITS
- RD — CONTROLLED FLOW ROOF DRAIN
- ICD — 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 (m^3)	AVAILABLE STORAGE
1:2 YR	CIRCULAR PLUG TYPE 117mm ORIFICE	1200mmØ STMMH 204	250mmØ PVC	27.3	0.90	97.95	4.8	50.2 m^3
1:5 YR				34.7	1.38	98.48	7.3	
1:100 YR				47.8	2.62	99.72	20.7	

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-ADJ)	FULLY EXPOSED	1.26 L/s	10 cm	1.58 L/s	13 cm
R-1	RD 2 (RD-100-A-ADJ)	FULLY EXPOSED	1.26 L/s	10 cm	1.58 L/s	13 cm
R-1	RD 3 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	10 cm	1.10 L/s	13 cm
R-1	RD 4 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	10 cm	1.10 L/s	13 cm
R-1	RD 5 (RD-100-A-ADJ)	FULLY EXPOSED	1.26 L/s	11 cm	1.58 L/s	14 cm
R-1	RD 6 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	10 cm	1.10 L/s	13 cm
R-1	RD 7 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	10 cm	1.10 L/s	13 cm
R-1	RD 8 (RD-100-A-ADJ)	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-ADJ)	FULLY EXPOSED	1.26 L/s	10 cm	1.58 L/s	13 cm
R-2	RD 2 (RD-100-A-ADJ)	FULLY EXPOSED	1.26 L/s	10 cm	1.58 L/s	13 cm
R-2	RD 3 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	10 cm	1.10 L/s	13 cm
R-2	RD 4 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	10 cm	1.10 L/s	13 cm
R-2	RD 5 (RD-100-A-ADJ)	FULLY EXPOSED	1.26 L/s	10 cm	1.58 L/s	13 cm
R-2	RD 6 (RD-100-A-ADJ)	FULLY EXPOSED	1.26 L/s	11 cm	1.58 L/s	14 cm
TOTALS	-	-	6.94 L/s	-	8.52 L/s	-

* REFER TO THE SERVICING 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, WATERMAINS, 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.

No.	REVISION	DATE	BY
3	REVISED AS PER CITY COMMENTS	AUG 29/25	MS
2	REVISED AS PER CITY COMMENTS	APR 10/25	MS
1	ISSUED FOR SPC APPLICATION	JAN 17/25	MS

SCALE: 1:400

DESIGN: MS / LSC
CHECKED: MS
DRAWN: LSC
CHECKED: MS
APPROVED: MS

FOR REVIEW ONLY

LICENSED PROFESSIONAL ENGINEER — M. SAVIC 100102651 — 8/29/2025 — PROVINCE OF ONTARIO

NOVATECH
Engineers, Planners & Landscape Architects
Suite 200, 240 Michael Cowpland Drive
Ottawa, Ontario, Canada K2M 1P6
Telephone (613) 254-9643
Facsimile (613) 254-5867
Website www.novatech-eng.com

LOCATION
CITY OF OTTAWA
150 DUN SKIPPER DRIVE

DRAWING NAME
STORMWATER MANAGEMENT PLAN

PROJECT No. 124107
REV: REV # 3
DRAWING No. 124107-SWM1

D07-12-25-005

PLAN # 19311

N:\2024\124107\CAD\Civil\Residential\124107-SWM1.dwg, SWM, Apr 10, 2025 - 12:21pm, lcolman