



**LEGEND**

- PROPERTY LINE
- PROPOSED CURB
- PROPOSED DEPRESSED CURB
- PROPOSED STORM SEWER AND MANHOLE
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- EXISTING STORM MANHOLE & SEWER
- EXISTING CATCHBASIN
- DRAINAGE AREA LIMITS
- POST-DEVELOPMENT AREA ID
- POST-DEVELOPMENT DRAINAGE AREA (ha)
- 1.5 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 1 DATA TABLE - AREA A-6**

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 <sup>3</sup> )	AVAILABLE STORAGE
1.2 YR	PEX TEMPEST	1200mmØ	250mmØ	11.0	1.22	96.32	21.4	73.4 m <sup>3</sup>
1.5 YR	VORTEX LMF ICD	STMMH 102	PVC	14.7	2.18	97.28	28.9	
1.100 YR	105			15.1	2.29	97.39	70.5	

**INLET CONTROL DEVICE 2 DATA TABLE - AREA A-7**

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 <sup>3</sup> )	AVAILABLE STORAGE
1.2 YR	CIRCULAR PLUG	1500mmØ	250mmØ	25.8	2.08	97.20	39.4	189.4 m <sup>3</sup>
1.5 YR	TYPE 91mm	CBMH-3	PVC	31.0	3.00	98.12	59.3	
1.100 YR	ORIFICE			31.7	3.14	98.26	137.6	

**INLET CONTROL DEVICE 3 DATA TABLE - AREA A-8**

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 <sup>3</sup> )	AVAILABLE STORAGE
1.2 YR	CIRCULAR PLUG	1800mmØ	300mmØ	92.0	0.70	96.14	28.7	89.7 m <sup>3</sup>
1.5 YR	TYPE 226mm	CBMH-6	PVC	111.7	1.03	96.47	42.8	
1.100 YR	ORIFICE			109.5	2.96	96.40	89.4	

**ROOF DRAIN TABLE: AREA R-1 (FOR DRAINS RD A1 TO RD A6)**

AREA ID	ROOF DRAIN No.	WEIR (WATTS MODEL)	SETTING	1.5 YEAR RELEASE RATE	APPROX. 5 YR PONDING DEPTH	1:100 YEAR RELEASE RATE	APPROX. 100 YR PONDING DEPTH
R-1	RD A1 (RD-100-A-ADJ)	3/4 EXPOSED	1.34 L/s	12 cm	1.58 L/s	15 cm	15 cm
R-1	RD A2 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.34 L/s	14 cm	14 cm
R-1	RD A3 (RD-100-A-ADJ)	FULLY EXPOSED	1.26 L/s	11 cm	1.58 L/s	14 cm	14 cm
R-1	RD A4 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.34 L/s	14 cm	14 cm
R-1	RD A5 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.34 L/s	14 cm	14 cm
R-1	RD A6 (RD-100-A-ADJ)	FULLY EXPOSED	1.26 L/s	11 cm	1.89 L/s	14 cm	14 cm
TOTALS			7.16 L/s		9.07 L/s		

**ROOF DRAIN TABLE: AREA R-2 (FOR DRAINS RD B1 TO RD B3)**

AREA ID	ROOF DRAIN No.	WEIR (WATTS MODEL)	SETTING	1.5 YEAR RELEASE RATE	APPROX. 5 YR PONDING DEPTH	1:100 YEAR RELEASE RATE	APPROX. 100 YR PONDING DEPTH
R-2	RD B1 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.10 L/s	13 cm	13 cm
R-2	RD B2 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.10 L/s	13 cm	13 cm
R-2	RD B3 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.10 L/s	13 cm	13 cm
TOTALS			2.85 L/s		3.30 L/s		

**ROOF DRAIN TABLE: AREA R-3 (FOR DRAINS RD C1 TO RD C4)**

AREA ID	ROOF DRAIN No.	WEIR (WATTS MODEL)	SETTING	1.5 YEAR RELEASE RATE	APPROX. 5 YR PONDING DEPTH	1:100 YEAR RELEASE RATE	APPROX. 100 YR PONDING DEPTH
R-3	RD C1 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.10 L/s	14 cm	14 cm
R-3	RD C2 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.10 L/s	14 cm	14 cm
R-3	RD C3 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.10 L/s	13 cm	13 cm
R-3	RD C4 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.10 L/s	14 cm	14 cm
TOTALS			3.80 L/s		4.40 L/s		

**ROOF DRAIN TABLE: AREA R-4 (FOR DRAINS RD D1 TO RD D3)**

AREA ID	ROOF DRAIN No.	WEIR (WATTS MODEL)	SETTING	1.5 YEAR RELEASE RATE	APPROX. 5 YR PONDING DEPTH	1:100 YEAR RELEASE RATE	APPROX. 100 YR PONDING DEPTH
R-2	RD D1 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.10 L/s	14 cm	14 cm
R-2	RD D2 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	13 cm	13 cm
R-2	RD D3 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	0.87 L/s	13 cm	13 cm
TOTALS			2.69 L/s		2.84 L/s		

\* REFER TO THE SERVICING AND STORMWATER MANAGEMENT REPORT (R-2024-074) 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.

No.	REVISION	DATE	BY
2	ISSUED FOR SITE PLAN APPLICATION	OCT 24/24	MS
1	ISSUED FOR CLIENT REVIEW	OCT 17/24	MS

SCALE

1:400

1 : 400

**FOR REVIEW ONLY**

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LOCATION  
 CITY OF OTTAWA  
 150 DUN SKIPPER DRIVE

DRAWING NAME  
**STORMWATER MANAGEMENT PLAN**

PROJECT No. 124107  
 REV # 2  
 124107-SWM1