



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
- A-2
0.170
0.62 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
- RD ○ CONTROLLED FLOW ROOF DRAIN
- ICD □ 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 ³)	AVAILABLE STORAGE
1.2 YR	PEX TEMPEST	1200mmØ	250mmØ	11.0	1.22	96.32	21.4	73.4 m ³
1.5 YR	VORTEX LMF ICD	1200mmØ	250mmØ	14.7	2.18	97.28	28.9	
1.100 YR	105	STMMH 102	PVC	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 ³)	AVAILABLE STORAGE
1.2 YR	CIRCULAR PLUG	1500mmØ	250mmØ	25.8	2.08	97.20	39.4	177.5 m ³
1.5 YR	TYPE 91mm	1500mmØ	250mmØ	31.0	3.00	98.12	59.3	
1.100 YR	ORIFICE	CBMH-3	PVC	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 ³)	AVAILABLE STORAGE
1.2 YR	CIRCULAR PLUG	1800mmØ	300mmØ	92.0	0.70	96.14	28.7	89.7 m ³
1.5 YR	TYPE 226mm	1800mmØ	300mmØ	111.7	1.03	96.47	42.8	
1.100 YR	ORIFICE	CBMH-6	PVC	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)	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
R-1	RD A2 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.34 L/s	14 cm
R-1	RD A3 (RD-100-A-ADJ)	FULLY EXPOSED	1.26 L/s	11 cm	1.58 L/s	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
R-1	RD A5 (RD-100-A-ADJ)	3/4 EXPOSED	1.10 L/s	11 cm	1.34 L/s	14 cm
R-1	RD A6 (RD-100-A-ADJ)	FULLY EXPOSED	1.26 L/s	11 cm	1.89 L/s	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)	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
R-2	RD B2 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.10 L/s	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
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)	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
R-3	RD C2 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.10 L/s	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
R-3	RD C4 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.10 L/s	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)	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
R-2	RD D2 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	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
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
3	REVISED PER CITY COMMENT	JAN 10 2025	MS
2	ISSUED FOR SITE PLAN APPLICATION	OCT 24 2024	MS
1	ISSUED FOR CLIENT REVIEW	OCT 17 2024	MS

SCALE: 1:400

FOR REVIEW ONLY

CV
MS
CV
MS
JLS

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LOCATION: CITY OF OTTAWA
150 DUN SKIPPER DRIVE

DRAWING NAME: STORMWATER MANAGEMENT PLAN

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