



LEGEND

	DRAINAGE AREA LIMITS		PROPOSED RETAINING WALL
	POST-DEVELOPMENT AREA ID		PROPOSED STORM MANHOLE
	POST-DEVELOPMENT DRAINAGE AREA (ha)		PROPOSED CATCHBASIN
	1.5 YEAR WEIGHTED RUNOFF COEFFICIENT		PROPOSED CATCHBASIN MANHOLE
	1.5 YEAR PONDING LIMIT		PROPERTY LINE
	1:100 YEAR PONDING LIMIT		EXISTING EDGE OF PAVEMENT
	ROOF DRAIN		EXISTING VALVE & VALVE BOX
	PROPOSED AREA DECK DRAIN		EXISTING SERVICE POST
	PROPOSED BARRIER CURB		EXISTING HYDRANT
	PROPOSED DEPRESSED CURB		EXISTING CATCHBASIN
			EXISTING CATCHBASIN MH
			EXISTING UTILITY POLE
			EXISTING STORM MH & SEWER

ROOF DRAIN TABLE: AREA A-3 (ROOF DRAINS 1-6)

AREA ID (RD)	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
A-3	RD 1 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
A-3	RD 2 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
A-3	RD 3 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
A-3	RD 4 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
A-3	RD 5 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
A-3	RD 6 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
TOTAL			1.92 L/s	-	1.92 L/s	-

ROOF DRAIN TABLE: AREA A-4 (ROOF DRAINS 7-12)

AREA ID (RD)	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
A-4	RD 7 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
A-4	RD 8 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
A-4	RD 9 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
A-4	RD 10 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
A-4	RD 11 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
A-4	RD 12 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
TOTAL			1.92 L/s	-	1.92 L/s	-

ROOF DRAIN TABLE: AREA A-5 (ROOF DRAINS 13-22)

AREA ID (RD)	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
A-5	RD 13 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
A-5	RD 14 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	13 cm
A-5	RD 15 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
A-5	RD 16 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
A-5	RD 17 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	14 cm
A-5	RD 18 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	13 cm
A-5	RD 19 (RD-100-A-ADJ)	1/4 EXPOSED	0.75 L/s	9 cm	0.87 L/s	13 cm
A-5	RD 20 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	13 cm
A-5	RD 21 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.91 L/s	14 cm
A-5	RD 22 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	13 cm
TOTAL			5.98 L/s	-	6.54 L/s	-

* REFER TO THE 'DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT' (R-2022-206) PREPARED BY NOVATECH FOR DRAINAGE AREA IDENTIFIERS AND STORMWATER MANAGEMENT DETAILS.
 ** ALL CONTROLLED FLOW ROOF DRAINS FOR THE PROPOSED BUILDING TO BE WATTS 'ADJUSTABLE ACCUTROL' ROOF DRAINS.

INTERNAL SWM STORAGE SYSTEM

DESIGN EVENT	STORAGE SYSTEM CONTROLLED FLOW	STORAGE VOLUMES REQUIRED	STORAGE VOLUMES PROVIDED
1:2 YR	15.1 L/s	21.4 m³	> 116.4 m³
1:5 YR	15.1 L/s	34.9 m³	
1:100 YR	15.1 L/s	90.4 m³	
1:100-20% ¹	15.1 L/s	116.4 m³	

NOTES:
 1. ALL DRAINAGE FROM AREA A-7 (PROPOSED PARKING LOT, DRIVEWAY DECK DRAINS 1-5, AND ROOF DRAINS 23-25) TO BE DIRECTED TO THE INTERNAL STORMWATER STORAGE TANK. REFER TO ARCHITECTURAL AND MECHANICAL PLANS FOR DETAILS.
 2. DRAINAGE FROM AREA A-5 (RD 13-22) TO BE CONNECTED DIRECTLY TO GRAVITY STORM SERVICE BY-PASSING STORMWATER STORAGE TANK.
 3. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR EXACT SIZE AND DETAILS OF INTERNAL STORMWATER STORAGE TANK.
 4. REFER TO MECHANICAL PLANS FOR PUMP INFORMATION AND 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.

OWNER INFORMATION
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No.	REVISION	DATE	BY
1.	ISSUED FOR SITE PLAN APPLICATION	DEC 20/22	MS

SCALE: 1:300

DESIGN: ZA
 CHECKED: MS
 DRAWN: ZA
 CHECKED: MS
 APPROVED: MS

FOR REVIEW ONLY

PROFESSIONAL ENGINEER
 M. SAVIC
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 20/12/22
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LOCATION: CITY OF OTTAWA, 1765 MONTREAL ROAD

DRAWING NAME: STORMWATER MANAGEMENT PLAN

PROJECT No.: 121060
 REV: REV #1
 DRAWING No.: 121060-SWM

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