

LEGEND

	PROPOSED BARRIER CURB		CONTROLLED FLOW ROOF DRAIN
	PROPOSED DEPRESSED CURB		UNCONTROLLED OVERFLOW ROOF DRAIN
	DRAINAGE AREA LIMITS		PROPOSED STORM SEWER AND FLOW DIRECTION
	APPROXIMATE PONDING LIMITS, ELEVATIONS (DEPTH)		PROPOSED INLET CONTROL DEVICE
	POST-DEVELOPMENT AREA ID		EMERGENCY OVERLAND FLOW ROUTE
	POST-DEVELOPMENT DRAINAGE AREA (ha)		PROPOSED BUILDING ENTRANCE / EXIT
	1.5 YEAR WEIGHTED RUNOFF COEFFICIENT		EXISTING STORM MH & SEWER
	PROPOSED STORM MANHOLE		EXISTING CATCHBASIN CW CATCHBASIN LEAD
	PROPOSED CATCHBASIN MANHOLE		MAXIMUM 3:1 SIDESLOPE
	PROPOSED CATCHBASIN		PROPOSED TRANSFORMER
			PROPOSED STORMWATER QUALITY TREATMENT UNITS (VORTECHS AND CDS MODELS)

BUILDING 'A' ROOF DRAIN TABLE: AREA R-1 (ROOF DRAINS 1 to 14)

AREA ID	ROOF DRAIN No. (WATTS MODEL)	ROOF DRAIN OPENING 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)	CLOSED	0.32 L/s	10 cm	0.32 L/s	13 cm
R-1	RD 2 (RD-100-A-ADJ)	CLOSED	0.32 L/s	10 cm	0.32 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)	1/2 EXPOSED	0.95 L/s	11 cm	1.26 L/s	15 cm
R-1	RD 6 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.26 L/s	15 cm
R-1	RD 7 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.26 L/s	15 cm
R-1	RD 8 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.26 L/s	15 cm
R-1	RD 9 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.26 L/s	15 cm
R-1	RD 10 (RD-100-A-ADJ)	1/2 EXPOSED	0.95 L/s	11 cm	1.26 L/s	15 cm
R-1	RD 11 (RD-100-A-ADJ)	FULLY EXPOSED	1.34 L/s	11 cm	1.89 L/s	14 cm
R-1	RD 12 (RD-100-A-ADJ)	FULLY EXPOSED	1.34 L/s	11 cm	1.89 L/s	14 cm
R-1	RD 13 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	15 cm
R-1	RD 14 (RD-100-A-ADJ)	CLOSED	0.32 L/s	11 cm	0.32 L/s	15 cm

BUILDING 'B' ROOF DRAIN TABLE: AREA R-2 (ROOF DRAINS 15 and 16)

AREA ID	ROOF DRAIN No. (WATTS MODEL)	ROOF DRAIN OPENING SETTING	1.5 YEAR RELEASE RATE	APPROX. 5-YR PONDING DEPTH	1:100 YEAR RELEASE RATE	APPROX. 100-YR PONDING DEPTH
R-2	RD 15 (RD-100-A-ADJ)	1/2 EXPOSED	0.79 L/s	8 cm	1.10 L/s	12 cm
R-2	RD 16 (RD-100-A-ADJ)	1/2 EXPOSED	0.79 L/s	8 cm	1.10 L/s	12 cm

* REFER TO THE 'DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT' (R-2019-051) PREPARED BY NOVATECH FOR DRAINAGE AREA IDENTIFIERS AND STORMWATER MANAGEMENT DETAILS.
 ** ALL CONTROLLED FLOW ROOF DRAINS FOR THE PROPOSED BUILDINGS TO BE WATTS 'ADJUSTABLE ACCUTROL' ROOF DRAINS.

INLET CONTROL DEVICE DATA TABLE - CB 1

DESIGN EVENT	ICD TYPE	DIAMETER OF OUTLET PIPE (mm)	DESIGN FLOW (L/s)	DESIGN HEAD (m)	WATER ELEVATION (m)	VOLUME (m ³)	AVAILABLE STORAGE
1:2 YR	CIRCULAR PLUG c/w 165mm Ø ORIFICE @ OUTLET PIPE INVERT	250mm Ø PVC	65.9	1.24	66.47	0.5	45.0 m ³
1:5 YR			74.1	1.61	66.84	5.3	
1:100 YR			76.3	1.72	66.95	42.9	

INLET CONTROL DEVICE DATA TABLE - EX. STM MH 'A'

DESIGN EVENT	ICD TYPE	DIAMETER OF OUTLET PIPE (mm)	DESIGN FLOW (L/s)	DESIGN HEAD (m)	WATER ELEVATION (m)	VOLUME (m ³)	AVAILABLE STORAGE
1:2 YR	CIRCULAR PLUG c/w 250mm Ø ORIFICE @ OUTLET PIPE INVERT	375mm Ø PVC	184.3	2.06	66.53	23.0	788.4 m ³
1:5 YR			202.7	2.49	66.96	123.1	
1:100 YR			206.9	2.60	67.07	601.7	

APPROVED
 By Lily Xu at 5:22 pm, Sep 14, 2020

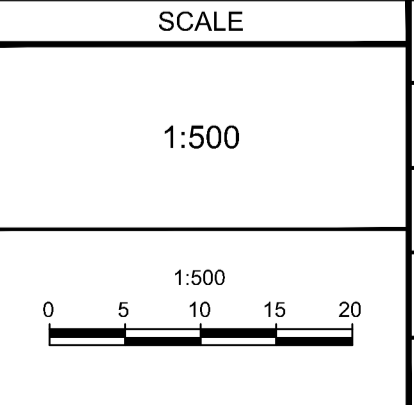
LILY XU, MCIP, RPP
 MANAGER, DEVELOPMENT REVIEW SOUTH
 PLANNING, INFRASTRUCTURE & ECONOMIC
 DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

REFER TO PLAN 119007-NDT FOR NOTES, DETAILS AND TABLES.
 ALL NOTES, DETAILS AND SPECIFICATIONS ARE TO MEET THE
 CURRENT CITY AND PROVINCIAL STANDARDS.

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.

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No.	REVISION	DATE	BY
5	ISSUED TO CITY OF OTTAWA AND MECF	JUN 30/20	FST
4	REVISED PER CITY COMMENTS / UPDATED SITE PLAN	MAY 29/20	FST
3	RE-ISSUED FOR SITE PLAN APPROVAL	MAR 26/20	FST
2	REVISED PER CITY COMMENTS / UPDATED SITE PLAN	JAN 31/20	FST
1	ISSUED FOR SITE PLAN APPROVAL	JUL 18/19	FST



DESIGN	SM / KJA
CHECKED	FST
DRAWN	SM / BF
CHECKED	KJA / FST
APPROVED	FST

FOR REVIEW ONLY

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LOCATION	CITY OF OTTAWA 2555 SHEFFIELD ROAD
DRAWING NAME	STORMWATER MANAGEMENT PLAN
PROJECT No.	119007
REV	REV # 5
DRAWING No.	119007-SWM

D07-12-19-0124