



LEGEND

- PROPOSED BARRIER CURB
- DC PROPOSED DEPRESSED CURB
- DRAINAGE AREA LIMITS
- APPROXIMATE PONDING LIMITS (1:5 YR, 1:100 YR)
- POST-DEVELOPMENT AREA ID
- POST-DEVELOPMENT DRAINAGE AREA (ha)
- 1:5 YEAR WEIGHTED RUNOFF COEFFICIENT
- STM MH PROPOSED STORM MANHOLE
- CBMH PROPOSED CATCHBASIN MANHOLE
- CB PROPOSED CATCHBASIN
- RD ○ CONTROLLED FLOW ROOF DRAIN
- OD ○ UNCONTROLLED OVERFLOW ROOF DRAIN
- PROPOSED STORM SEWER AND FLOW DIRECTION
- PROPOSED INLET CONTROL DEVICE
- EMERGENCY OVERLAND FLOW ROUTE
- PROPOSED BUILDING ENTRANCE / EXIT
- EXISTING STORM MH & SEWER
- EXISTING CATCHBASIN C/W CATCHBASIN LEAD
- MAXIMUM 3:1 SIDESLOPE

INLET CONTROL DEVICE DATA TABLE - CBM 1

DESIGN EVENT	ICD TYPE (HYDROVEX MODEL)	DIAMETER OF OUTLET PIPE (mm)	DESIGN FLOW (L/s)	DESIGN HEAD (m)	WATER ELEVATION (m)	VOLUME (m³)	AVAILABLE STORAGE
1:2 YR	HYDROVEX (150 VHV-2)	375mmØ PVC	38.3	1.58	89.26	42.1	254.1 m³
1:5 YR			40.6	1.76	89.44	76.3	
1:100 YR			41.7	1.84	89.52	188.6	

HOTEL ROOF DRAIN TABLE: AREA R-1 (ROOF DRAINS 1 to 8)

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)	1/4 EXPOSED	0.79 L/s	11 cm	0.87 L/s	14 cm
R-1	RD 2 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	14 cm
R-1	RD 3 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	14 cm
R-1	RD 4 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	13 cm
R-1	RD 5 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	11 cm	0.95 L/s	15 cm
R-1	RD 6 (RD-100)	UN-CONTROLLED	0.46 L/s	---	0.29 L/s	---
R-1	RD 7 (RD-100)	UN-CONTROLLED	0.43 L/s	---	0.84 L/s	---
R-1	RD 8 (RD-100)	UN-CONTROLLED	0.19 L/s	---	0.36 L/s	---

RESTAURANT ROOF DRAIN TABLE: AREA R-2 (ROOF DRAINS 9 to 10)

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 9 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	14 cm
R-2	RD 10 (RD-100-A-ADJ)	1/4 EXPOSED	0.79 L/s	10 cm	0.87 L/s	14 cm

* REFER TO THE 'DEVELOPMENT SERVICING STUDY AND STORMWATER MANAGEMENT REPORT' (R-2018-029) 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.

NOT FOR CONSTRUCTION



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.

Colonnade
 OWNER INFORMATION
 COLONNADE HOTEL INVESTMENT LP
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 c/o CAL KIRKPATRICK
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HYATT PLACE

SiteCast Construction Corp.

No.	REVISION	DATE	BY
4	RE-ISSUED FOR SITE PLAN APPROVAL	OCT 18/18	FST
3	REVISED PER CITY COMMENTS	JUN 28/18	FST
2	ISSUED FOR SITE PLAN APPROVAL	APR 16/18	MP
1	ISSUED FOR CLIENT REVIEW	APR 9/18	FST

SCALE
 1:300

FOR REVIEW ONLY

DESIGN: BL / MP
 CHECKED: FST / MP
 DRAWN: SM
 CHECKED: MP / FST
 APPROVED: FST

PROFESSIONAL ENGINEER
 F.S. THAUETTE
 100041399
 OCT. 18, 2018
 PROVINCE OF ONTARIO

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LOCATION
 CITY OF OTTAWA
 300 MOODIE DRIVE

DRAWING NAME
STORMWATER MANAGEMENT PLAN

PROJECT No. 118007
 REV # 4
 DRAWING No. 118007-SWM
 #17663

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