

M:\2018\118007\DWG\118007-SWM.dwg, SWM, Nov 26, 2018, 15:20pm, smthawes

NOTE:
THE POSITION OF ALL POLE LINES, CONDUITS,
WATERMAINS, 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.

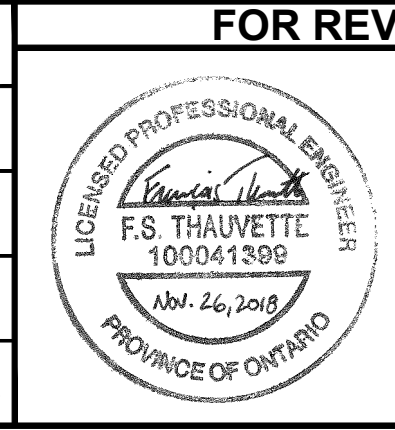


OWNER INFORMATION
COLONNADE HOTEL INVESTMENT LP
16 CONCOURSE GATE, SUITE 200
OTTAWA, ONTARIO, K2E 7S8
c/o CAL KIRKPATRICK
PHONE: (613) 225-8118
ckirkpatrick@colonnade.ca

No.	REVISION	DATE	BY
5	ISSUED WITH REVISED DSS & SWM REPORT	NOV 26/18	FST
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
0 3 6 9 12

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



FOR REVIEW ONLY



LOCATION CITY OF OTTAWA 300 MOODIE DRIVE	PROJECT No. 118007
DRAWING NAME STORMWATER MANAGEMENT PLAN	REV # 5
	DRAWING No. 118007-SWM

#17663



LEGEND

	PROPOSED BARRIER CURB	RD	CONTROLLED FLOW ROOF DRAIN
	PROPOSED DEPRESSED CURB	OD	UNCONTROLLED OVERFLOW ROOF DRAIN
	DRAINAGE AREA LIMITS		PROPOSED STORM SEWER AND FLOW DIRECTION
	APPROXIMATE PONDING LIMITS		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 C/W CATCHBASIN LEAD
	PROPOSED CATCHBASIN MANHOLE		MAXIMUM 3:1 SLOPE
	PROPOSED CATCHBASIN		

INLET CONTROL DEVICE DATA TABLE - CBMH 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	188.8	

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	0.36 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.