



## **LEGEND**

100 YR HIGH WATER LEVEL (135mm ABOVE THE ROOF DRAIN) 5 YR HIGH WATER LEVEL (100mm ABOVE THE ROOF DRAIN)

PROPOSED ROOF SCUPPER LOCATION

PROPOSED ROOF DRAIN LOCATION

PROPOSED ROOF SURFACE DRAINAGE FLOW DIRECTION

PROPOSED HIGH RIDGE LINE

## NOTES

1. STORMWATER MANAGEMENT NOTES

ROOF DRAIN DETAILS

MODEL TYPE: WATTS MODEL RD-100 WITH ACCUTROL CONTROL WEIR, ONE SLOT OR EQUAL NUMBER OF CONTROL DEVICES: 1 CONTROLLED ROOF DRAIN PER DESIGNATED ROOF AREA FOR SWM ATTENUATION

FLOW PER ROOF DRAIN: 20.0 U.S. GAL/MIN. OR 1.26 L/S

TOTAL FLOW FROM FLAT ROOFTOP OF BUILDING AT MAXIMUM HEAD OF 135mm PER DRAIN

AT THE (2) PROPOSED DRAINS: 2.52 L/S

JLUME:	ROOF AREA No.	DEPTH (mm)		VOLUME (m <sup>3</sup> )	
		5 YR	100 YR	5 YR	100 YR
-	1.	100	135	2.01	4.95
	2	100	135	1.97	4.82

SCUPPER LOCATION: AS SHOWN ON THIS DRAWING

5 YEAR ELEVATION: 100mm ABOVE THE ROOF DRAIN

100 YEAR ELEVATION: 135mm ABOVE THE ROOF DRAIN

- EACH ROOF DRAIN SHALL BE SIZED FOR A RELEASE RATE OF 20 U.S. GAL/MIN. OR 1.26 L/S. THE OWNER'S MECHANICAL ENGINEER SHALL SPECIFY THE REQUIRED ROOF DRAIN TYPE AND MODEL No. AND PROVIDE THE NECESSARY INFORMATION TO THE CITY OF OTTAWA FOR THEIR RECORDS TO ENSURE PROPER RELEASE RATE FOR STORMWATER MANAGEMENT COMPLIANCE. - ROOF PITCH IS ASSUMED TO HAVE 1.7% (MIN.) SLOPE.

- ROOF SCUPPERS ARE RECOMMENDED TO BE INSTALLED Omm ABOVE EDGE OF ROOFTOP ELEVATION FOR EMERGENCY OVERFLOW PURPOSES AT ROOF AREA #1 AND #2.

- SEE STORM DRAINAGE REPORT No. R-816-86 DATED SEPTEMBER 2018 FOR DETAILS ALSO.

2. PROPOSED ROOF DRAINS AND SCUPPER LOCATIONS SHOWN ON THIS PLAN SHALL BE REVIEWED BY THE OWNER AND OWNER'S ARCHITECT FOR APPROVAL.

3. THE OWNER'S ARCHITECT AND STRUCTURAL ENGINEER SHALL ENSURE THAT THE ADDITIONAL STORMWATER STORAGE VOLUME FROM STORMWATER MANAGEMENT MEASURES ARE ACCOUNTED FOR IN THE STORAGE AND ANY OF THE STORAGE AND TH

SUPPORTING STRUCTURES THAT MAY BE AFFECTED BY THE STORED WATER. 4. ROOF DRAIN #1 AND #2 SHALL OUTLET INTO THE DESIGNATED 125mmø PVC STORMWATER PIPE AS SHOWN ON DWG. No. 816-86, G-1. THE BUILDING WEEPING TILE WATER WILL OUTLET BY A SEPARATE 150mmø PVC STORM PIPE WHICH OUTLETS TO THE EX. 300mmø DIAMETER STORM SEWER.

5. FOR GRADING AND SERVICING DETAILS OF THIS SITE, REFER TO DWG. No. 816-86, G-1.

3 69/24/18 S	° MW
TONY L-IA MAK E	

DATE

REVISION

SCALE	T.L.M.	PROJECT 25.9 CARRITH
0 1 3	5m CHECKED T.L.M.	258 CARRUTH PART OF LOTS REGISTERED F
1:100 HORIZONTAL	G.U.	CITY OF OTTA
	T.L.M.	PROPOSED ROOFT
VERTICAL	APPROVED T.L.M.	MANAGEME

258 CARRUTHERS AVENUE PART OF LOTS 7 AND 8 REGISTERED PLAN 83 CITY OF OTTAWA



OSED ROOFTOP STORMWATER	PROJECT No.	DATE	DRAWING No.
MANAGEMENT PLAN	816-86	SEPTEMBER 2018	SWM-1