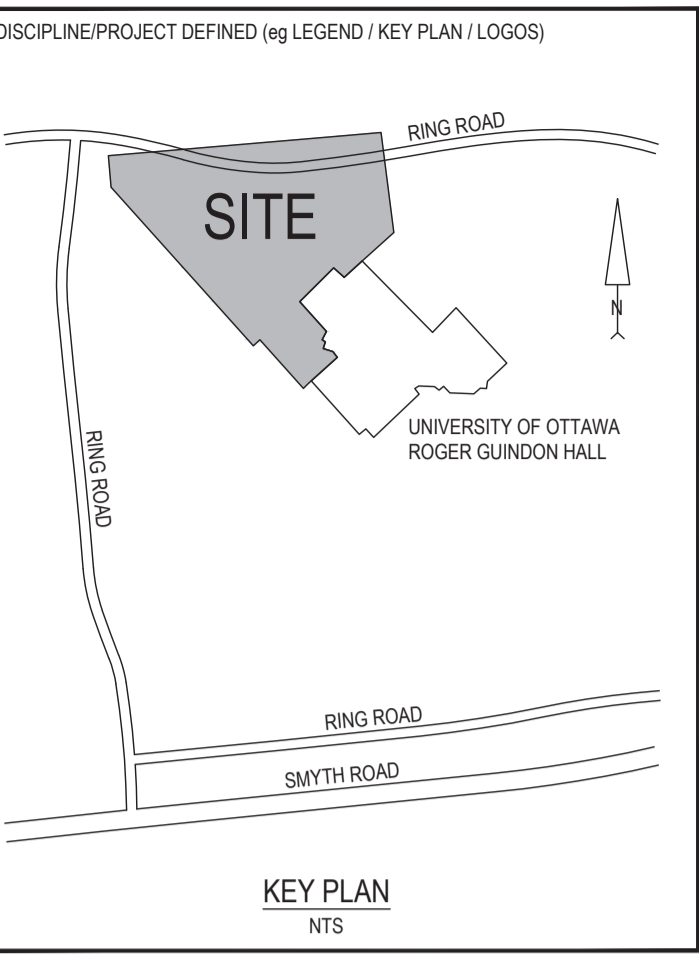


Roof drain	Area (m ²)	Runoff Coefficient	Depth (m)	Theoretical rooftop storage volume (m ³)	Storage volume (m ³)	Max flow rate (l/s)	Weir Exposure	2-Yr and 100-Yr*
1	93.67	0.90	0.15	14.05	11.24	0.32	Closed	100-Yr Storage Depth = 0.13m 100-Yr Storage Volume = 406.6 m ³ 2-Yr Storage Depth = 0.08m 2-Yr Storage Volume = 233.3 m ³
2	125.58	0.90	0.15	18.84	15.07	0.32	Closed	
3	128.33	0.90	0.15	19.25	15.40	0.32	Closed	
4	123.95	0.90	0.15	18.59	14.87	1.89	Fully Open	
5	123.98	0.90	0.15	18.60	14.88	0.32	Closed	
6	122.60	0.90	0.15	18.39	14.71	0.32	Closed	
7	84.62	0.90	0.15	12.69	10.15	0.32	Closed	
8	81.94	0.90	0.15	12.29	9.83	0.32	Closed	
9	117.95	0.90	0.15	17.69	14.15	0.32	Closed	
10	100.58	0.90	0.15	15.09	12.07	0.32	Closed	
11	103.48	0.90	0.15	15.52	12.42	1.89	Fully Open	
12	109.12	0.90	0.15	16.37	13.09	0.32	Closed	
13	114.63	0.90	0.15	17.19	13.76	0.32	Closed	
14	85.18	0.90	0.15	12.78	10.22	0.32	Closed	
15	126.66	0.90	0.15	19.00	15.20	0.32	Closed	
16	162.34	0.90	0.15	24.35	19.48	0.32	Closed	
17	120.31	0.90	0.15	18.05	14.44	0.32	Closed	
18	147.54	0.90	0.15	22.13	17.70	0.32	Closed	
19	149.81	0.90	0.15	22.47	17.98	1.89	Fully Open	
20	94.25	0.90	0.15	14.14	11.31	1.89	Fully Open	
21	78.86	0.90	0.15	11.83	9.46	0.32	Closed	
22	65.59	0.90	0.15	9.84	7.87	0.32	Closed	
23	48.06	0.90	0.15	7.21	5.77	0.32	Closed	
24	99.71	0.90	0.15	14.96	11.97	0.32	Closed	
25	93.70	0.90	0.15	14.06	11.24	0.32	Closed	
26	113.87	0.90	0.15	17.08	13.66	0.32	Closed	
27	114.89	0.90	0.15	17.23	13.79	0.32	Closed	
28	111.31	0.90	0.15	16.70	13.36	1.89	Fully Open	
29	129.66	0.90	0.15	19.45	15.56	0.32	Closed	
30	87.94	0.90	0.15	13.19	10.55	0.32	Closed	
31	50.02	0.90	0.15	7.50	6.00	0.32	Closed	
32	50.81	0.90	0.15	7.62	6.10	0.32	Closed	
33	90.80	0.90	0.15	13.62	10.90	0.32	Closed	
34	102.96	0.90	0.15	15.44	12.36	0.32	Closed	
35	121.60	0.90	0.15	18.24	14.59	1.89	Fully Open	
36	106.63	0.90	0.15	15.99	12.80	0.32	Closed	
37	76.33	0.90	0.15	11.45	9.16	0.32	Closed	
Total	3859.26				463.11	21.26		

* Refer to Section 3.2 of the SWM Report for the 2-Yr and 100-Yr roof flows and more details.



REVISION:

REV	DATE	DESCRIPTION	BY
7	2024-04-30	30% CONSTRUCTION DOCUMENT SUBMISSION	VT
6	2024-04-18	ISSUED FOR ZBLA AND SPC SUBMISSION	VT
5	2024-02-26	ISSUED FOR SITE PLAN APPROVAL	VT
4	2024-02-02	ISSUED FOR COORDINATION	VT
3	2023-11-30	ISSUED FOR SITE PLAN APPROVAL	VT
2	2023-11-20	ISSUED FOR BUILDING PERMIT	VT
1	2023-10-31	ISSUED FOR PRICING PROPOSAL	VT

SEAL:

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DATE: 2023-09-25
 DESIGNED BY: V. TENG
 DRAWN BY: B. NANDLAL
 APPROVED BY: I. JAFFERJEE
 DISCIPLINE: CIVIL

IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.

WSP CANADA INC.
 2611 QUEENSVIEW DRIVE, SUITE 300
 OTTAWA ONTARIO K2B 8K2 CANADA
 WSP.COM

PROJECT NUMBER: CA0009956.0165-CA
 CLIENT:

CLIENT REF. #:

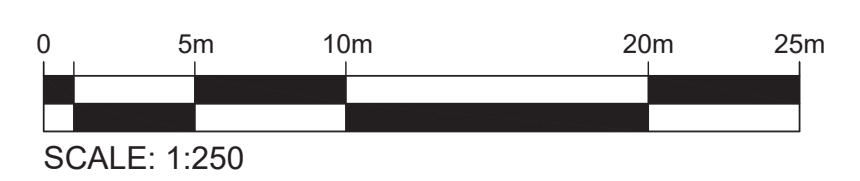
PROJECT: **ADVANCED MEDICAL RESEARCH CENTRE**

TITLE: **ROOF AREA PLAN**

DRAWING NUMBER: **C111** REV: **7**

APPROVED
 By Lily Xu at 9:06 am, May 14, 2024

LILY XU, MCIP, RPP
 MANAGER, DEVELOPMENT REVIEW SOUTH
 PLANNING, DEVELOPMENT, AND BUILDING SERVICES
 DEPARTMENT, CITY OF OTTAWA



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File No. D07-12-24-0021 Plan No. 19104