



**LEGEND**

- 0.24 ha: DRAINAGE AREA (hectares)
- A-1: AREA ID
- 0.85: RUN-OFF COEFFICIENT
- : DRAINAGE BOUNDARY AREA
- : MAX STATIC PONDING LIMITS
- : 100-YR PONDING LIMITS
- : 100-YR +20% PONDING LIMITS
- : PROPOSED STORM MANHOLE & SEWER WITH DIRECTION OF FLOW
- : EXISTING STORM MANHOLE & SEWER WITH DIRECTION OF FLOW
- CB1: PROPOSED ROAD CATCHBASIN WITH ICD
- : EXISTING ROAD CATCHBASIN
- RYCB1: PROPOSED REAR YARD CATCHBASIN WITH ICD
- : MAJOR SYSTEM FLOW ROUTE

**CATCHBASIN TABLE**

CB ID	T/G ELEVATION	INVERT	I.C.D.
CB1	56.43	54.70	TEMPEST LMF (VORTEX 62)
CB2	56.38	54.65	TEMPEST LMF (VORTEX 74)
CB3	56.43	54.70	TEMPEST LMF (VORTEX 75)
CB4	56.50	54.77	TEMPEST LMF (VORTEX 74)
CB5	56.56	54.83	TEMPEST LMF (VORTEX 76)
CB6	56.48	54.75	TEMPEST LMF (VORTEX 75)
CB7	56.57	54.84	TEMPEST LMF (VORTEX 74)
CB8	56.55	54.82	TEMPEST LMF (VORTEX 74)
CB9	56.61	54.88	TEMPEST LMF (VORTEX 74)
CB10	56.63	54.90	TEMPEST LMF (VORTEX 74)
CB11	56.67	54.94	TEMPEST LMF (VORTEX 74)
CB12	56.38	54.65	TEMPEST LMF (VORTEX 76)
LCB5	55.79	53.69	-
RYCB5	55.59	54.03	TEMPEST LMF (VORTEX 87)
RYCB6	55.25	53.84	-
RYCB6	55.39	53.59	TEMPEST LMF (VORTEX 81)

**STORM MANHOLE TABLE**

MANHOLE ID	SIZE(mm)	T/G ELEV (m)	INVERT (m)	PIPE DIAMETER (mm)	I.C.D.
2	1200D	56.47	E=52.82 W=52.74 N=54.98	E=375 W=450 N=200	-
4	1200D	56.51	W=52.88 N=52.94	W=375 N=375	-
6	1200D	56.47	S=52.33 E=52.49 N=52.48	S=525 E=450 N=375	-
8	1200D	56.65	N=53.35 S=53.30	N=250 S=300	-
10	1200D	56.57	N=53.12 S=53.05	N=300 S=375	-
12	1200D	56.76	S=53.58 W=53.78	S=250 W=250	TEMPEST LMF (VORTEX 68)
14	1200D	56.51	N=53.08 W=53.14	N=375 W=250	-
16	1200D	56.59	N=53.31 S=53.23 W=53.36	N=300 S=375 W=250	-
18	1500D	55.44	N=52.14 W=53.57 E=52.08	N=525 W=300 E=525	-
20	1500D	55.61	S=51.94 W=52.00 E=53.79	S=525 W=525 E=250	-
22	1200D	56.63	E=53.34 W=53.09	E=250 W=200	-
24	1200D	56.66	E=53.56 W=55.14	E=250 W=200	-
26	1200D	56.70	NE=55.17 S=53.53 W=53.58	NE=200 S=300 W=250	-
28	1200D	56.73	E=53.78 W=55.20	E=250 W=200	-
30	1800D	56.50	E=51.07 W=1050 N=51.59	E=1050 W=1050 N=525	-

**PONDING**

PONDING ID	STRUCTURE	100 YEAR PONDING ELEVATION	100 YEAR PONDING DEPTH (m)	100 YEAR +20% PONDING ELEVATION	100 YEAR +20% PONDING DEPTH (m)	MAX STATIC PONDING ELEVATION	MAX STATIC PONDING DEPTH (m)
P1	CB1	56.64	0.21	56.71	0.28	56.58	0.15
P2	CB2	56.61	0.23	56.69	0.31	56.53	0.15
P3	CB3	56.80	0.17	56.67	0.24	56.58	0.15
P4	CB4	56.63	0.13	56.72	0.22	56.65	0.15
P5	CB5	56.64	0.08	56.77	0.21	56.71	0.15
P6	CB6	56.68	0.20	56.74	0.28	56.63	0.15
P7	CB7	56.72	0.15	56.79	0.22	56.72	0.15
P8	CB8	56.74	0.19	56.79	0.24	56.70	0.15
P9	CB9	56.76	0.15	56.82	0.21	56.76	0.15
P10	CB10	56.81	0.18	56.85	0.22	56.78	0.15
P11	CB11	56.88	0.19	56.91	0.24	56.82	0.15
P12	CB12	56.49	0.11	56.64	0.28	56.50	0.12
P13	LCB5	55.85	0.06	55.89	0.10	55.89	0.07
P14	LCB6	55.84	0.15	55.88	0.19	55.76	0.10
P15	LCB3	55.71	0.16	55.81	0.26	55.75	0.20
P16	LCB4	55.69	0.19	55.77	0.27	55.70	0.20
P17	LCB2	55.65	0.20	55.72	0.27	55.65	0.20
P18	RYCB5	55.58	0.33	55.68	0.43	55.50	0.25
P19	RYCB6	55.58	0.19	55.78	0.39	55.65	0.26
P20	RYCB3	55.79	0.20	55.82	0.23	55.75	0.18
P21	LCB1	55.80	0.14	55.83	0.17	55.85	0.19

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.

**REVISION**

No.	REVISION	DATE	BY
8	ISSUED FOR ECA	MAR 24/22	MAB
7	CITY SUBMISSION - PARK UPDATE	FEB 15/22	MAB
6	CITY SUBMISSION	JUN 8/21	MAB
5	CITY SUBMISSION	FEB 5/21	MAB
4	STORM OUTLET VIA 127 CARILLON	OCT 23/20	MAB
3	SITE PLAN APPLICATION	AUG 24/20	MAB
2	HVCA APPROVAL IN PRINCIPAL APPLICATION	MAY 29/20	MAB
1	ISSUED FOR RVCA REVIEW	MAR 26/20	MAB

**SCALE**

1:250

**FOR REVIEW ONLY**

DESIGN: LRW  
CHECKED: MAB  
DRAWN: BRF  
CHECKED: LRW  
APPROVED: MAB

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**CITY OF OTTAWA**  
200 BARIBEAU STREET

DRAWING NAME: **STORM DRAINAGE AREA PLAN**

PROJECT No.: 119068  
REV # 8  
DRAWING No.: 119068-STM