



**LEGEND**

- 0.24 ha (A-1) 0.65: DRAINAGE AREA (hectares)
- AREA ID
- 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
- CB1: EXISTING ROAD CATCHBASIN
- RYCB1: PROPOSED REAR YARD CATCHBASIN WITH ICD
- : MAJOR SYSTEM FLOW ROUTE

**CATCHBASIN TABLE**

CB ID	TIG ELEVATION	INVERT	I.C.D.
CB1	56.43	54.73	TEMPEST LMF (VORTEX 86)
CB2	56.38	54.68	TEMPEST LMF (VORTEX 86)
CB3	56.43	54.73	TEMPEST LMF (VORTEX 86)
CB4	56.50	54.80	TEMPEST LMF (VORTEX 78)
CB5	56.56	54.86	TEMPEST LMF (VORTEX 78)
CB6	56.48	54.78	TEMPEST LMF (VORTEX 78)
CB7	56.57	54.57	TEMPEST LMF (VORTEX 71)
CB8	56.55	54.85	TEMPEST LMF (VORTEX 78)
CB9	56.61	54.61	TEMPEST LMF (VORTEX 71)
CB10	56.63	54.93	TEMPEST LMF (VORTEX 71)
CB11	56.67	54.67	TEMPEST LMF (VORTEX 71)
CB12	56.38	54.38	TEMPEST LMF (VORTEX 71)
RYCB1	54.82	53.69	TEMPEST LMF (VORTEX 78)
RYCB2	55.61	53.68	TEMPEST LMF (VORTEX 78)
RYCB3	55.59	53.45	TEMPEST LMF (VORTEX 70)
RYCB4	56.50	55.17	-

**STORM MANHOLE TABLE**

MANHOLE ID	SIZE (mm)	TIG ELEV (m)	INVERT (m)	PIPE DIAMETER (mm)
2	1200	55.72	N=52.31 S=52.31 W=52.68	N=900 S=900 W=525
4	1200	56.51	E=52.74 W=52.81 N=52.88	E=450 W=450 N=375
6	1200	56.44	E=52.92 W=54.64 N=53.00	E=450 W=300 N=375
8	1200	56.45	N=53.15 S=53.08	N=300 S=375
10	1200	56.54	N=53.25 S=53.25 W=53.80	N=300 S=300 W=300
12	1200	56.75	E=54.41 S=53.38	E=200 S=300
14	1200	56.50	N=52.96 S=52.96 W=53.09	N=375 S=375 W=250
16	1200	56.59	N=53.11 S=53.04 E=54.39 W=53.16	N=300 S=375 E=200 W=250
18	1200	56.79	W=55.14 S=53.27 E=55.12	W=250 S=300 E=250
20	1200	56.01	W=52.70 E=52.70	W=525 E=525
22	1200	56.64	E=53.29 W=54.82	E=250 W=200
24	1200	56.66	E=53.36 W=54.87	E=250 W=200
26	1200	56.66	N=53.21 S=53.21 W=53.26	N=300 S=300 W=250
28	1200	56.73	E=53.46 W=54.93	E=250 W=200

**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	56.66	0.23	56.72	0.29	56.58	0.15
P2	CB2	56.64	0.26	56.71	0.33	56.53	0.15
P3	CB3	56.58	0.15	56.67	0.24	56.58	0.15
P4	CB4	56.65	0.15	56.73	0.23	56.65	0.15
P5	CB5	56.69	0.13	56.71	0.21	56.71	0.15
P6	CB6	56.70	0.22	56.75	0.27	56.63	0.15
P7	CB7	56.70	0.13	56.77	0.20	56.72	0.15
P8	CB8	56.75	0.20	56.80	0.25	56.70	0.15
P9	CB9	56.75	0.14	56.81	0.20	56.76	0.15
P10	CB10	56.82	0.19	56.85	0.22	56.78	0.15
P11	CB11	56.83	0.16	56.89	0.22	56.82	0.15
P12	CB12	56.49	0.11	56.64	0.26	56.50	0.12
P13	LCB1	55.80	0.15	55.86	0.21	55.90	0.25
P14	LCB2	55.79	0.14	55.85	0.20	55.80	0.15
P15	LCB3	55.78	0.23	55.82	0.27	55.70	0.15
P16	LCB4	55.53	0.08	55.64	0.19	55.61	0.16
P17	LCB5	55.62	0.17	55.79	0.34	55.60	0.15
P18	LCB6	55.62	0.21	55.79	0.38	55.65	0.24
P19	LCB7	55.62	0.00	55.79	0.13	55.65	0.19
P20	LCB10	55.53	0.31	55.57	0.16	55.50	0.28
P21	RYCB3	55.75	0.16	55.75	0.35	55.75	0.16

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.

No.	REVISION	DATE	BY
3.	SITE PLAN APPLICATION	AUG 28/20	MAB
2.	RVCA APPROVAL IN PRINCIPAL APPLICATION	MAY 28/20	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

L.R. WILSON  
10016005  
2020.08.24  
PROVINCE OF ONTARIO

M.A. BISSETT  
2020.08.24  
PROVINCE OF ONTARIO

**NOVATECH**  
Engineers, Planners & Landscape Architects  
Suite 200, 240 Michael Cowpland Drive  
Ottawa, Ontario, Canada K2M 1P6  
Telephone: (613) 254-9643  
Facsimile: (613) 254-5867  
Website: www.novatech-eng.com

CITY OF OTTAWA  
200 BARIBEAU STREET

DRAWING NAME: STORM DRAINAGE AREA PLAN

PROJECT No.: 119068  
REV # 3  
DRAWING No.: 119068-STM