



NORTH

KEY PLAN
N.T.S.

LEGEND

- 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
- PROPOSED ROAD CATCHBASIN WITH ICD
- EXISTING ROAD CATCHBASIN
- PROPOSED REAR YARD CATCHBASIN WITH ICD
- MAJOR SYSTEM FLOW ROUTE

| 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) |
|-----------|----------------------------|----------------------------|---------------------------------|---------------------------------|------------------------------|------------------------------|
| CB01 | 56.48 | 0.23 | 56.49 | 0.23 | 56.46 | 0.21 |
| CB02 | 56.47 | 0.22 | 56.48 | 0.22 | 56.45 | 0.20 |
| CB03 | 56.35 | 0.29 | 56.39 | 0.29 | 56.36 | 0.30 |
| CBMH01 | 56.56 | 0.00 | 56.61 | 0.00 | 56.65 | 0.08 |
| CBMH02 | 56.39 | 0.33 | 56.41 | 0.33 | 56.38 | 0.32 |
| LC01 | 56.90 | 0.02 | 56.90 | 0.02 | 56.89 | 0.11 |
| LC02 | 56.90 | 0.03 | 56.90 | 0.03 | 56.87 | 0.10 |
| LC03 | 56.63 | 0.08 | 56.69 | 0.08 | 56.63 | 0.08 |
| LC04 | 55.80 | 0.11 | 55.88 | 0.11 | 55.76 | 0.07 |
| LC05 | 55.81 | 0.02 | 55.91 | 0.02 | 55.89 | 0.10 |
| RY01 | 55.52 | 0.02 | 55.66 | 0.02 | 55.55 | 0.05 |
| RY02 | 56.63 | 0.08 | 56.69 | 0.08 | 56.64 | 0.09 |
| RY03 | 55.80 | 0.00 | 55.79 | 0.00 | 55.91 | 0.07 |
| RY04 | 55.56 | 0.31 | 55.67 | 0.31 | 55.50 | 0.25 |
| RY05 | 55.60 | 0.00 | 55.70 | 0.00 | 56.00 | 0.00 |
| RY06 | 55.74 | 0.02 | 55.82 | 0.02 | 55.72 | 0.00 |
| RY07 | 56.58 | 0.02 | 56.64 | 0.02 | 56.61 | 0.05 |
| RY08 | 56.58 | 0.03 | 56.64 | 0.03 | 56.63 | 0.08 |
| RY09 | 56.67 | 0.12 | 56.71 | 0.12 | 56.65 | 0.10 |
| RY10 | 56.63 | 0.03 | 56.69 | 0.03 | 56.67 | 0.07 |
| RY11 | 56.63 | 0.03 | 56.60 | 0.03 | 56.69 | 0.09 |

| CB ID | T/G ELEVATION | INVERT |
|-------|---------------|--------|
| CB1 | 56.25 | 54.55 |
| CB2 | 56.25 | 54.55 |
| CB3 | 56.06 | 54.98 |
| LC1 | 56.58 | 55.27 |
| LC2 | 56.57 | 55.20 |
| LC3 | 56.55 | 55.49 |
| LC4 | 56.69 | 54.29 |
| LC5 | 55.79 | 53.99 |
| RY1 | 55.50 | 54.45 |
| RY2 | 56.55 | 55.43 |
| RY3 | 55.84 | 55.30 |
| RY4 | 55.25 | 53.84 |
| RY5 | 55.00 | 54.60 |
| RY6 | 55.72 | 54.72 |
| RY7 | 56.56 | 55.26 |
| RY8 | 56.55 | 55.20 |
| RY9 | 56.55 | 55.55 |
| RY10 | 56.60 | 55.35 |
| RY11 | 56.60 | 55.43 |

| MANHOLE ID | SIZE(mm) | T/G ELEV (m) | INVERT (m) | PIPE DIAMETER (mm) |
|------------|----------|--------------|-------------------------------|-------------------------|
| 2 | 1200 | 56.29 | N=53.11 S=52.51 | N=450 S=450 |
| 4 | 1200 | 56.44 | S=53.55 E=53.58 | S=450 E=450 |
| 6 | 1200 | 56.49 | N=54.31 W=53.90 E=54.67 | N=375 W=450 E=200 |
| 8 | 1200 | 56.66 | N=55.10 E=55.09 W=55.17 | N=375 E=375 W=300 |
| 10 | 1200 | 56.68 | E=55.32 S=55.24 W=55.32 | E=300 S=375 W=300 |
| CBMH1 | 1200 | 56.57 | W=55.05 S=54.62 E=55.12 | W=375 S=375 E=300 |
| CBMH2 | 1200 | 56.06 | N=53.29 S=53.28 W=55.05 | N=450 S=450 W=450 |

| STRUCTURE ID | ICD TYPE | INVERT (m) | 100-YR HEAD (m) | 100-YR PEAK FLOW (L/s) |
|--------------|----------|--------------------|-----------------|------------------------|
| RY3 | 108mm | E=55.30 W=55.30 | 0.30 | 12.3 |
| RY1 | 127mm | E=54.45 W=54.45 | 1.07 | 21.7 |
| 2 | 165mm | N=53.11 S=52.51 | 3.84 | 64.4 |

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 | No. | REVISION | DATE | BY |
|-----|------------------|-----------|-----|-----|--|-----------|-----|
| 11. | SITE PLAN UPDATE | OCT 9/24 | MAB | 4. | STORM OUTLET VIA 127 CARILLION | OCT 23/20 | MAB |
| 10. | CONCEPT UPDATE | JUN 27/24 | MAB | 2. | RVCA APPROVAL IN PRINCIPAL APPLICATION | MAY 29/20 | MAB |
| 9. | SITE PLAN UPDATE | JUL 15/22 | MAB | 1. | ISSUED FOR RVCA REVIEW | MAR 26/20 | MAB |

| DATE | BY | SCALE |
|-----------|-----|-------|
| MAR 24/22 | MAB | SCALE |
| FEB 15/22 | MAB | 1:250 |
| JUN 8/21 | MAB | 1:250 |
| FEB 5/21 | MAB | 1:250 |
| OCT 23/20 | MAB | 1:250 |
| AUG 24/20 | MAB | 1:250 |
| MAY 29/20 | MAB | 1:250 |
| MAR 26/20 | MAB | 1:250 |

FOR REVIEW ONLY

DESIGN: LRW
CHECKED: MAB
DRAWN: BRP
CHECKED: LRW
APPROVED: MAB

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CITY OF OTTAWA
200 BARIBEAU STREET

DRAWING NAME: STORM DRAINAGE AREA PLAN

PROJECT No.: 119068
REV # 11
DRAWING No.: 119068-STM