

- LEGEND**
- 0.000 DRAINAGE AREA (Ha)
 - A-0 DRAINAGE AREA NUMBER
 - 0.00 RUNOFF COEFFICIENT
 - DRAINAGE AREA BOUNDARY
 - PROPOSED BARRIER CURB
 - PROPOSED DEPRESSED CURB
 - APPROXIMATE PONDING LIMITS
 - PROPOSED STORM SEWER AND FLOW DIRECTION
 - EMERGENCY OVERLAND FLOW ROUTE
 - PROPOSED BUILDING ENTRANCE / EXIT
 - EXISTING STORM MH & SEWER
 - EXISTING CATCHBASIN OR CATCHBASIN LEAD
 - USF
 - UNDERSIDE OF FOOTING ELEVATION
 - FINISHED FLOOR ELEVATION
 - TOF
 - TOP OF FOUNDATION
 - TERRACING (MAX 3:1 SLOPE)

ICD1 - INLET CONTROL DEVICE DATA TABLE - AREA A-3

| DESIGN EVENT | ICD TYPE (PLUG TYPE) | OUTLET STRUCTURE | DIAMETER OF OUTLET PIPE (mm) | PEAK DESIGN FLOW (L/s) | DESIGN HEAD (m) | WATER ELEVATION (m) | VOLUME (m ³) | AVAILABLE STORAGE |
|--------------|----------------------|------------------|------------------------------|------------------------|-----------------|---------------------|--------------------------|---------------------|
| 1:2 YR | IPEX TEMPEST | CBMH 4 | 200mmØ PVC | 6.5 | 1.80 | 89.00 | 3.4 | 21.4 m ³ |
| 1:5 YR | VORTEX LMF ICD | 75 | | 7.3 | 2.09 | 89.29 | 5.3 | |
| 1:100 YR | | | | 7.6 | 2.31 | 89.51 | 14.2 | |

ICD2 - INLET CONTROL DEVICE DATA TABLE - AREA A-4

| DESIGN EVENT | ICD TYPE (PLUG TYPE) | OUTLET STRUCTURE | DIAMETER OF OUTLET PIPE (mm) | PEAK DESIGN FLOW (L/s) | DESIGN HEAD (m) | WATER ELEVATION (m) | VOLUME (m ³) | AVAILABLE STORAGE |
|--------------|----------------------|------------------|------------------------------|------------------------|-----------------|---------------------|--------------------------|---------------------|
| 1:2 YR | IPEX TEMPEST | CBMH 3 | 250mmØ PVC | 7.0 | 0.52 | 87.36 | 12.3 | 34.6 m ³ |
| 1:5 YR | VORTEX LMF ICD | 105 | | 8.3 | 0.72 | 87.56 | 17.6 | |
| 1:100 YR | | | | 16.1 | 2.64 | 89.48 | 33.4 | |

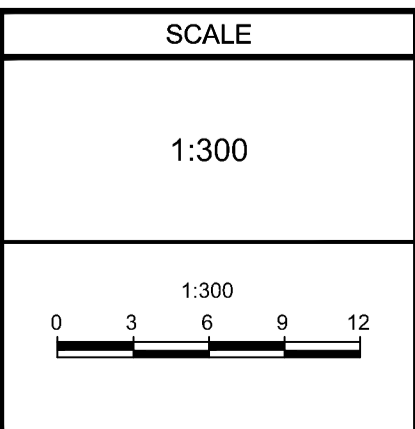
ICD3 - INLET CONTROL DEVICE DATA TABLE - AREA A-5

| DESIGN EVENT | ICD TYPE (PLUG TYPE) | OUTLET STRUCTURE | DIAMETER OF OUTLET PIPE (mm) | PEAK DESIGN FLOW (L/s) | DESIGN HEAD (m) | WATER ELEVATION (m) | VOLUME (m ³) | AVAILABLE STORAGE |
|--------------|----------------------|------------------|------------------------------|------------------------|-----------------|---------------------|--------------------------|---------------------|
| 1:2 YR | CIRCULAR PLUG | CBMH 3 | 250mmØ PVC | 14.1 | 0.86 | 87.63 | 16.9 | 58.5 m ³ |
| 1:5 YR | TYPE 84mm ORIFICE | | | 21.3 | 1.96 | 88.73 | 21.4 | |
| 1:100 YR | | | | 25.1 | 2.71 | 89.48 | 52.8 | |

DIRECT RUNOFF AREA INCLUDED IN AREA A-1

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 |
|-----|----------------------------------|-----------|----|
| 2 | REVISED PER CITY COMMENTS | AUG 22/24 | MS |
| 1 | ISSUED FOR SITE PLAN APPLICATION | MAY 31/24 | MS |



| | |
|----------|----|
| DESIGN | BB |
| CHECKED | MS |
| DRAWN | BB |
| CHECKED | MS |
| APPROVED | MS |

FOR REVIEW ONLY

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

LOCATION
CITY OF OTTAWA
100 BILL LEATHAM DRIVE

DRAWING NAME
STORMWATER MANAGEMENT PLAN

PROJECT No. 124011
REV REV # 2
DRAWING No. 124011-SWM

M:\2024\124011\124011-SWM.dwg, SWM, Aug 20, 2024, 9:00am, libankay