ENVISION
CONSULTANTS LTD

STORMWATER MANAGEMENT REPORT

1055 Bloor Street

Project #: 25-1018
Prepared for: Capreit Apartments Inc.
Date: September 7, 2026

Report Version: 02

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September 7, 2026

Capreit Apartments Inc.
11 Church Street
Toronto, ON M5E 1M2

Attention: Ben McCauly, RPP, Senior Development Manager

SUBJECT: STORMWATER MANAGEMENT REPORT, 1055 BLOOR STREET

EnVision Consultants Ltd. is pleased to present the enclosed Stormwater Management Report in support of the 2nd Site Plan Application (SPA) for the above-noted property. This report provides the conceptual stormwater management strategies for this development.

We thank you for utilizing EnVision for this assignment. If there are any questions regarding the enclosed report, please do not hesitate to contact us.

Yours sincerely,



Alex Williams, P.Eng.
Director – Land Development
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QUALITY MANAGEMENT

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DATE	August 14, 2025	May 8, 2026	September 4, 2026

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1. INTRODUCTION

EnVision Consultants Ltd. (EnVision) was retained by Capreit Apartments Inc. (the 'Client') to prepare a Stormwater Management Report for the property located at 1055 Bloor Street (the 'Site'). It is our understanding that this assessment has been requested in support of the 2nd Site Plan Application (SPA) for the proposed development, including the construction of four three-storey stacked townhouse blocks containing a total of 112 units. This report provides the conceptual framework for stormwater management for this development.

1.1. SITE LOCATION

The proposed development consists of two development areas encompassing a total area of 0.97 ha within an existing 2.8 ha property. The parcel is located in the City of Mississauga and is situated within the Little Etobicoke Creek subwatershed, which is under jurisdiction of the Toronto and Region Conservation Authority (TRCA). The property is composed of an existing 17-storey apartment building with associated amenity areas, surface and underground parking, pedestrian walkways and softscape areas. It is bordered by Riverspray Crescent to the north and west, a retail plaza to the east and Bloor Street to the south. The Site location is illustrated in Figure 1.

1.2. STORMWATER MANAGEMENT OBJECTIVES

The objectives of the Stormwater Management Report are to:

- Determine the stormwater management needs specific to the Site to ensure compliance with the City of Mississauga and TRCA SWM guidelines.
- Assess different stormwater management methods that align with both the City's regulations and the requirements of the conservation authority and propose a preferred approach.
- Create a stormwater management report outlining the selected strategy, including technical details for the justification and sizing of the proposed stormwater management facilities.

1.3. DESIGN CRITERIA

The City of Mississauga issued the Development Requirements Manual (April 2025) to provide guidance on the management of stormwater rainfall and runoff for developments within the City. Furthermore, the Site is located within Little Etobicoke Creek subwatershed, which is under the jurisdiction of the Toronto and Region Conservation Authority (TRCA). The TRCA issued the Stormwater Management Criteria (August 2012) which is also referenced during SWM analysis and design for the proposed development.

A summary of the of the stormwater management criteria applied for this project are as follows:

1.3.1. QUANTITY CONTROL

The City of Mississauga Development Requirements state sites situated in the Little Etobicoke Creek subwatershed require post-development flows to be controlled to the pre-development level for all storm

events (i.e. 2-, 5- 10-, 25-, 50- and 100-year), where the pre-development flows are calculated using prescribed 'unit rates'; as stated in the City of Mississauga Development Requirements Manual Section 8.3.4 (P. 8-22 to 8-23) and described in Tables 5 and 6 (P. 8-25 and 8-29).

1.3.2. QUALITY CONTROL

The City of Mississauga SWM Guidelines require 80% total suspended solids (TSS) removal to provide enhanced (Level 1) protection for this Site.

1.3.3. RUNOFF VOLUME REDUCTION (WATER BALANCE)

The runoff volume reduction requirement per City of Mississauga guidelines is retention of the first 5 mm of runoff, managed by use of infiltration, evapotranspiration, re-use or filtration.

1.3.4. EROSION CONTROL

The City of Mississauga's Development Requirements Manual includes no particular requirement for erosion control; however, it is mentioned that the implementation of runoff volume reduction strategies will assist in mitigating erosive forces from stormwater runoff on streams and watercourses during frequent storms.



LEGEND

LIMIT OF PROPERTY

CLIENT	CAPREIT APARTMENTS INC.
TITLE	1055 BLOOR STREET, MISSISSAUGA
	LOCATION PLAN

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Date	MAY 2026	Proj. No.	25-1018
Scale	1:2000	Figure No.	1

2. EXISTING CONDITIONS

2.1. GENERAL

The existing Site contains a 17-storey apartment building with associated above and below ground parking, pedestrian walkways and softscape areas. As most of the Site will remain undisturbed, the two proposed development areas will be individually analyzed for specific stormwater management strategies. At the south portion of the Site fronting Bloor Street, the 0.45 ha Block A & B development area's pre-development flows were calculated based on the prescribed Unit Flow Rates. Based on the topographic survey, it was examined that runoff flows overland towards Bloor Street. At the north/west portion of the Site fronting Riverspray Crescent, the 0.52 ha Block C & D development area's pre-development flows were calculated based on the prescribed Unit Flow Rates. Based on the topographic survey, runoff in this area was examined to flow overland to the Riverspray Crescent sewer system. Existing conditions are illustrated in Figure 2.

2.2. RAINFALL INFORMATION

Rainfall information for the Site was calculated using the following equation as outlined by City of Mississauga SWM Guidelines:

$$I = \frac{A}{(t_c + B)^C}$$

Where, I = Rainfall intensity (mm/hr)

t_c = Time of concentration (minutes)

A, B, C = Parameters as defined in City of Mississauga SWM Guidelines (tabularized below)

An initial time of concentration (t_c) of 15 minutes is recommended as per City of Mississauga SWM Guidelines.

Table 2.1: Rainfall Parameters

RETURN PERIOD	2-YEAR	5-YEAR	10-YEAR	25-YEAR	50-YEAR	100-YEAR
A	610	820	1010	1160	1300	1450
B	4.6	4.6	4.6	4.6	4.7	4.9
C	0.78	0.78	0.78	0.78	0.78	0.78

Per City of Mississauga Development Requirements Manual (Apr 2025)



LEGEND

- LIMIT OF PROPERTY
- ROOF AREA
- PERVIOUS SURFACE
- IMPERVIOUS AT-GRADE SURFACE
- OVERLAND FLOW ROUTE
- 0.08 — CATCHMENT AREA (ha)
- 0.53 — RUNOFF COEFFICIENT
- CATCHMENT BOUNDARY
- DEVELOPMENT AREA

CLIENT

CAPREIT APARTMENTS INC.

TITLE

1055 BLOOR STREET, MISSISSAUGA

PRE-DEVELOPMENT CONDITIONS

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Date	MAY 2026	Proj. No.	25-1018
Scale	1:1500	Figure No.	2

2.3. ALLOWABLE FLOW RATES

The Site is located within the Little Etobicoke Creek subwatershed, as identified in Section 8 of the City of Mississauga Development Requirements Manual. As described in Section 1.3, the proposed stormwater management (SWM) strategy is designed to ensure that post-development peak flows do not exceed the corresponding pre-development levels, based on unit flow rate calculations. Under existing conditions, onsite runoff is divided and discharged toward both Bloor Street and Riverspray Crescent, as illustrated in Figure 2, and the allowable peak flow rates for each outlet have been determined. In accordance with Section 8.3.4 (p. 8-23) of the City of Mississauga Development Requirements Manual, the unit flow rates prescribed for the Little Etobicoke Creek subwatershed in Table 6 (p. 8-29) have been used to calculate pre-development flows.

Existing peak flow rate and post-development allowable flow rate calculations for flows directed to Bloor Street and Riverspray Crescent are included in Appendix A. The results are tabularized below in Table 2.2 and Table 2.3.

Table 2.2: Existing Peak Flow Rates and Allowable Discharge Rate (Bloor Street – Blocks A & B)

RETURN PERIOD	AREA, A (ha)	UNIT FLOW RATE ($m^3/s/ha$)	PEAK FLOW RATE, Q (L/s)
2-Year	0.45	0.03575	16.08
5-Year	0.45	0.04746	21.35
10-Year	0.45	0.05546	24.95
25-Year	0.45	0.06559	29.51
50-Year	0.45	0.07315	32.91
100-Year	0.45	0.08075	36.33

Table 2.3: Existing Peak Flow Rates and Allowable Discharge Rate (Riverspray Crescent – Blocks C & D)

RETURN PERIOD	AREA, A (ha)	UNIT FLOW RATE ($m^3/s/ha$)	PEAK FLOW RATE, Q (L/s)
2-Year	0.52	0.03575	18.45
5-Year	0.52	0.04746	24.49
10-Year	0.52	0.05546	28.62
25-Year	0.52	0.06559	33.85
50-Year	0.52	0.07315	37.75
100-Year	0.52	0.08075	41.67

3. PROPOSED CONDITIONS

3.1. GENERAL

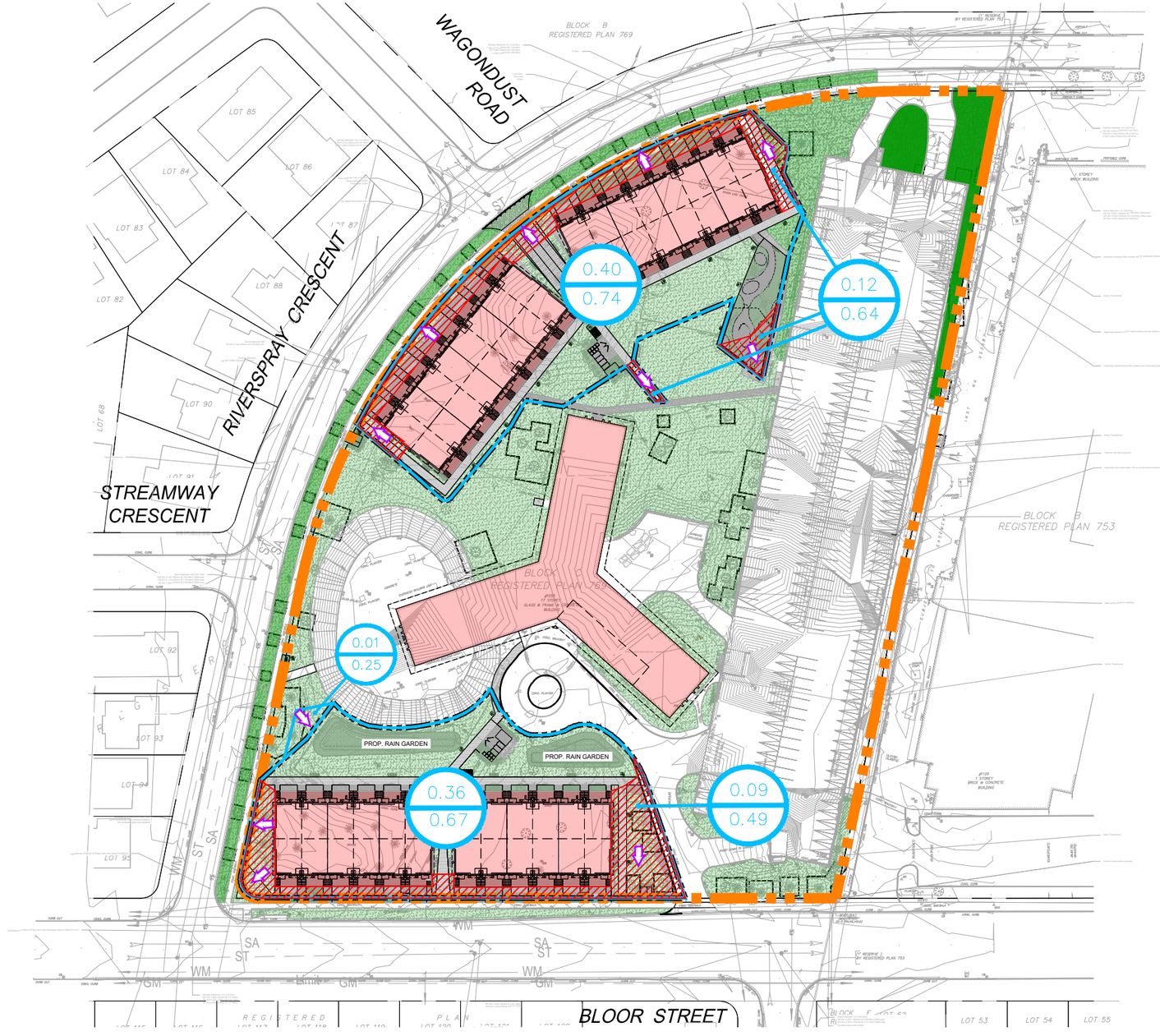
The proposed development consists of four three-storey townhouse blocks separated into two development areas. At the southern portion of the Site, the Blocks A & B development area is 0.45 ha in size and fronts onto Bloor Street. At the northwestern portion of the Site, the 0.52 ha development area is comprised of Blocks C & D, fronting onto Riverspray Crescent. These development areas include associated outdoor amenity space, softscape areas, parkland, and pedestrian walkway areas. Blocks A & B and Blocks C & D will each convey flows to individual stormwater cisterns, which outlet to the Bloor Street municipal storm system and Riverspray Crescent stormwater systems, respectively. Post-development conditions and stormwater catchments are illustrated in Figure 3. Proposed land-use types and associated runoff coefficients, separated by development area, are detailed in Tables 3.1 and 3.2.

Table 3.1: Proposed Area Breakdown – Blocks A & B

LAND-USE	AREA (m^2)	RUNOFF COEFFICIENT, C	% IMPERVIOUS
Roof Area	1,468.6	0.90	100%
Impervious At-Grade	876.5	0.90	100%
Softscape At-Grade	1,185.6	0.25	0%
External Area	62.0	0.25	0%
Total Controlled Area	**3,592.7**	**0.67**	**65%**
Uncontrolled	906.2	0.33	12%
Blocks A & B Total	**4,498.9**	**0.60**	**55%**

Table 3.2: Proposed Area Breakdown – Blocks C & D

LAND-USE	AREA (m^2)	RUNOFF COEFFICIENT, C	% IMPERVIOUS
Roof Area	1,952.9	0.90	100%
Impervious At-Grade	1,048.9	0.90	100%
Softscape At-Grade	970.6	0.25	0%
Total Controlled Area	**3,972.4**	**0.74**	**76%**
Uncontrolled	1,188.4	0.53	43%
Blocks C & D Total	**5,160.8**	**0.69**	**69%**



LEGEND

- LIMIT OF PROPERTY
- LIMIT OF DEVELOPMENT
- ROOF AREA
- PERVIOUS SURFACE
- UNCONTROLLED AREA
- IMPERVIOUS AT-GRADE
- 0.08 / 0.53 — CATCHMENT AREA (ha) / IMPERVIOUSNESS (%)
- CATCHMENT BOUNDARY
- OVERLAND FLOW ROUTE

CLIENT

CAPREIT APARTMENTS INC.

TITLE

1055 BLOOR STREET, MISSISSAUGA

POST-DEVELOPMENT CONDITIONS

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Scale	1:1500	Figure No.	3

3.2. WATER QUANITITY

A HydroCAD model of the project was developed and utilized to determine the required storage volume for the Site, and to calculate discharge rates achieved by the proposed flow controls for all storm events. The Modified Rational Method (a subroutine of the HydroCAD software) has been used for this modelling exercise. Adjustment factors of 1.1, 1.2, and 1.25 were applied to runoff coefficients of sub catchments for the 25-, 50-, and 100-year storm events, respectively.

Modelling results of the post-development condition for all storm events are summarized below, in Tables 3.2 to 3.5. Full HydroCAD model output is included in Appendix B.

Blocks A & B Cistern

Runoff produced in Blocks A & B will be controlled by a proposed GreenStorm ST stormwater cistern located at the northwest portion of the Block. This tank is designed with a height of 1320 mm and a footprint of 90.24 m^2 with an effective storage volume of 114.35 m^3. In addition to surface runoff, dewatered groundwater from Blocks A & B will be treated and directed to the cistern with Block A contributing an estimated long-term groundwater discharge rate of 270 L/day as identified in the Hydrogeological Investigation prepared by MTE Consultants (April 2026). Groundwater discharge rate was incorporated into the hydrologic model. The proposed tank is outfitted with a mechanical pump outletting at a maximum discharge rate of 900 L/min (15 L/s) to ensure that the combined controlled / uncontrolled flow rate does not exceed the allowable Site discharge rate. Discharged flows from the cistern will be directed to the Bloor Street municipal storm sewer system. Details and modelling results of the proposed cistern can be found in Table 3.2, and modelling results for the total Block A & B area shown in Table 3.3. The HydroCAD hydrologic model output is provided in Appendix B.

Table 3.3: Blocks A & B Cistern Modelling Results

STORM EVENT	PEAK ELEVATION IN CISTERN (m)	UTILIZED STORAGE (m^3)	PEAK FLOW RATE (L/s)
2-Year	0.166	14.4	15.0
5-Year	0.330	28.6	15.0
10-Year	0.486	42.1	15.0
25-Year	0.723	62.7	15.0
50-Year	0.726	62.9	15.0
100-Year	1.063	92.1	15.0

Table 3.4: Blocks A & B Development Area Modelling Results – Flow to Bloor Street Sewer

STORM EVENT	CISTERN PEAK FLOW RATE (L/s)	UNCONTROLLED PEAK FLOW (L/s)	TOTAL PEAK FLOW RATE (L/s)	ALLOWABLE (L/s)
2-Year	15.0	5.0	**20.0***	16.08
5-Year	15.0	6.7	**21.7***	21.35
10-Year	15.0	8.2	**23.2**	24.95
25-Year	15.0	10.6	**25.6**	29.51
50-Year	15.0	12.2	**27.2**	32.91
100-Year	15.0	14.2	**29.2**	36.33

**Total Peak Flow Rate for the less intense storm events to correspond with the mechanical pump curve in future.*

Blocks C & D Cistern

Runoff produced in Blocks C & D will be controlled by a proposed GreenStorm ST stormwater cistern located at the south portion of the Block. This tank is designed with a height of 660 mm and a footprint of 281.60 m^2 with an effective storage volume of 178.42 m^3. In addition to surface runoff, dewatered groundwater from Blocks C & D will be treated and directed to the cistern with a combined estimated long-term groundwater discharge rate of 990 L/day as identified in the Hydrogeological Investigation prepared by MTE Consultants (April 2026). Groundwater discharge rate was incorporated into the hydrologic model. The proposed tank is outfitted with a mechanical pump with a maximum discharge rate of 450 L/min (7.5 L/s) to ensure that the combined controlled / uncontrolled flow rate does not exceed the allowable Site discharge rate. Discharged flows from the cistern will be directed to the Riverspray Crescent municipal storm sewer system. Details and modelling results of the proposed cistern can be found in Table 3.4, and modelling results for the total Block A & B area shown in Table 3.5. The HydroCAD hydrologic model output is provided in Appendix B.

Table 3.5: Blocks C & D Cistern Modelling Results

STORM EVENT	PEAK ELEVATION IN CISTERN (m)	UTILIZED STORAGE (m^3)	PEAK FLOW RATE (L/s)
2-Year	0.139	37.7	**7.5**
5-Year	0.231	62.4	**7.5**
10-Year	0.315	85.2	**7.5**
25-Year	0.441	119.3	**7.5**
50-Year	0.525	141.8	**7.5**
100-Year	0.608	164.3	**7.5**

Table 3.6: Blocks C & D Development Area Modelling Results – Flow to Riverspray Crescent Sewer

STORM EVENT	CISTERN PEAK FLOW RATE (L/s)	UNCONTROLLED PEAK FLOW (L/s)	TOTAL PEAK FLOW RATE* (L/s)	ALLOWABLE (L/s)
2-Year	7.5	10.5	**18.0**	18.45
5-Year	7.5	14.1	**21.6**	24.49
10-Year	7.5	17.3	**24.8**	28.62
25-Year	7.5	21.8	**29.3**	33.85
50-Year	7.5	25.2	**32.7**	37.75
100-Year	7.5	28.3	**35.8**	41.67

**Total peak flow rate may not necessarily equal the sum of individual rates as peak times may vary*

3.3. WATER QUALITY

Enhanced (Level 1) protection is required for the proposed development. In accordance with the City of Mississauga SWM Guidelines, 80% total suspended solids (TSS) removal is required to achieve this level of protection. The proposed development consists of roof surfaces, pedestrian areas, softscape and amenity areas, as well as a fire lane within Blocks C & D. The 127 m² fire lane represents approximately 2% of the total Blocks C & D development area and is therefore considered negligible from a water quality treatment perspective. As the remaining surfaces across all Blocks are generally free of sediment-generating activities and are considered clean for the purposes of this water quality assessment, a dedicated water quality unit is not required.

However, a treatment unit will be required to treat groundwater entering the cistern, as subsurface inflows may contain elevated concentrations of contaminants. To provide water treatment of groundwater flows, a HydroDome HD8 unit is proposed upstream of each cistern. Sustainable Technologies Evaluation Program (STEP) sheets for both HD8 units are included in Appendix C.

3.4. RUNOFF VOLUME REDUCTION (WATER BALANCE)

Per City of Mississauga Requirements, the first 5 mm of runoff shall be retained onsite and managed in the form of infiltration, evapotranspiration, re-use or filtration. The total development area includes 3,217 m^2 of softscape at-grade and parkland area for green infrastructure and water balance. It is assumed that soft landscaping areas an abstract 5 mm of rainfall, where the retained volume will be returned to the atmosphere by way of evapotranspiration. The net development area was analyzed for the purpose of this water balance assessment; a summary of land-use types and abstracted volume for the 5 mm storm event can be found in Table 3.6.

Table 3.7: Proposed Land-Use Area Breakdown

LAND-USE	AREA (m^2)	INITIAL ABSTRACTION (m)	VOLUME ABSTRACTED (m^3)	5 mm VOLUME (m^3)	WATER BALANCE (m^3)
Roof Area	3,421	0.000	0.0	17.1	17.1
Impervious At-Grade	2,959	0.000	0.0	14.8	14.8
Softscape At-Grade	3,217	0.005	16.1	16.1	0.0
Total Development Area	9,598	-	16.1	48.0	31.9

Two proposed rain gardens with a total combined footprint of 159.1 m^2 will provide infiltration to support Site water balance. The rain gardens are located within the Blocks A & B portion of the development and are shown in Figure 3. Based on the Geotechnical Investigation prepared by MTE Consultants Inc. (May 2025), it was found that the existing soil type is predominately clayey silt till and silty clay till. Based on this soil type, it was assumed that the existing soil infiltrates at a mean rate of 3.3 mm/hour. The rain gardens are designed with a 0.10 m clear stone sump with a combined storage volume of 6.37 m^3 which will infiltrate runoff into the ground with a detention time of 30.3 hours. To provide further infiltration efforts, each rain garden is designed with a maximum above-ground ponding depth of 0.15 m which provides an additional 29.37 m^3 of runoff to be infiltrated, amounting to a total volume of 35.74 m^3. Detailed infiltration calculations are provided in Appendix B.

3.5. EROSION CONTROL

The City of Mississauga Development Guidelines state no particular requirement for erosion control; however, it is mentioned that the implementation of runoff volume reduction strategies will assist in mitigating erosive forces from stormwater runoff on streams and watercourses during frequent storms. Erosion control during construction is outlined in the Erosion and Sediment Control Plan provided in the FSR.

4. CLOSING

4.1. CONCLUSIONS

Based on the information obtained through the stormwater management analysis, EnVision presents the following conclusions and recommendations for the proposed development at 1055 Bloor Street.

4.1.1. QUANTITY CONTROL

Two stormwater cisterns are designed to control flow from Blocks A & B and Blocks C & D. Blocks A & B cistern is designed with a total available storage of 114.40 m^3 with flows discharging to Bloor Street West via mechanical pump discharging at a maximum rate of 900 L/min (15 L/s). Blocks C & D cistern is designed with a total available storage of 178.42 m^3 with flows discharging to Riverspray Crescent mechanical pump discharging at a maximum rate of 150 L/min (7.5 L/s. The cistern will control post-development flows for the 2- through 100-year storms to the associated pre-development flows calculated from the Little Etobicoke Creek unit flow rate.

4.1.2. QUALITY CONTROL

As the Site is comprised of surfaces that generally do not produce sediment, runoff generated onsite is generally considered clean; a water quality unit will not be necessary, however, water treatment will be implemented for groundwater discharge entering the cistern.

4.1.3. RUNOFF VOLUME REDUCTION (WATER BALANCE)

The Site is required to retain the runoff volume from a 5 mm rainfall event. Two proposed rain gardens will retain and infiltrate 6.37 m3 of runoff over a 30.3-hour period within the clear stone sump, with an additional 29.37 m^3 of above ground ponding for additional infiltration efforts.

4.1.4. EROSION CONTROL

No particular erosion control methods are stated in the City of Mississauga Development Guidelines outside of the water balance requirements. Erosion and sediment control measures will be applied during construction.

4.2. CERTIFICATION AND SIGNATURES

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4.3. QUALIFIER

EnVision prepared this report solely for the use of the intended recipient in accordance with the professional services agreement. In the event a contract has not been executed, the parties agree that the EnVision General Terms and Conditions, which were provided prior to the preparation of this report, shall govern their business relationship.

The report is intended to be used in its entirety. No excerpts may be taken to be representative of the findings in the assessment. The conclusions presented in this report are based on work performed by trained, professional and technical staff, in accordance with their reasonable interpretation of current and accepted engineering and scientific practices at the time the work was performed.

The content and opinions contained in the report are based on the observations and/or information available to EnVision at the time of preparation, using investigation techniques and engineering analysis methods consistent with those ordinarily exercised by EnVision and other engineering/scientific practitioners working under similar conditions, and subject to the same time, financial and physical constraints applicable to this project.

EnVision disclaims any obligation to update this report if, after the date of this report, any conditions appear to differ significantly from those presented in this report; however, EnVision reserves the right to amend or supplement this report based on additional information, documentation or evidence.

EnVision makes no other representations whatsoever concerning the legal significance of its findings. The intended recipient is solely responsible for the disclosure of any information contained in this report. If a third party makes use of, relies on, or makes decisions in accordance with this report, said third party is solely responsible for such use, reliance or decisions. EnVision does not accept responsibility for damages, if any, suffered by any third party as a result of decisions made or actions taken by said third party based on this report.

EnVision has provided services to the intended recipient in accordance with the professional services agreement between the parties and in a manner consistent with that degree of care, skill and diligence normally provided by members of the same profession performing the same or comparable services in respect of projects of a similar nature in similar circumstances. It is understood and agreed by EnVision and the recipient of this report that EnVision provides no warranty, express or implied, of any kind. Without limiting the generality of the foregoing, it is agreed and understood by EnVision and the recipient of this report that EnVision makes no representation or warranty whatsoever as to the sufficiency of its scope of work for the purpose sought by the recipient of this report.

In preparing this report, EnVision has relied in good faith on information provided by others, as noted in the report. EnVision has reasonably assumed that the information provided is correct and EnVision is not responsible for the accuracy or completeness of such information.

Unless otherwise agreed in writing by EnVision, the Report shall not be used to express or imply warranty as to the suitability of the site for a particular purpose. EnVision disclaims any responsibility for consequential financial effects on transactions or property values, or requirements for follow-up actions or costs.

This limitations statement is considered an integral part of this report.

APPENDIX A:

Stormwater Management Calculations

ENVISION CONSULTANTS LTD	Project:	1055 Bloor Street	No.:	25-1018
	By:	MB	Date:	2026-09-04
	Checked:	SH	Page:	1
Stormwater Management Calculations	Allowable Peak Discharge Rate - Block A/B & Block C/D			

Prescribed Etobicoke Creek Unit Flow Rates as per City of Mississauga Development Requirements (pg. 8-29 Table 6)

Subwatershed Name	Unit Flow Rates (m3/s/ha)					
	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
Etobicoke Creek - West Branch	0.03241	0.04412	0.0522	0.0625	0.07021	0.07799
Spring Creek	0.03168	0.04318	0.05114	0.06135	0.06903	0.07679
Little Etobicoke Creek	**0.03575**	**0.04746**	**0.05546**	**0.06559**	**0.07315**	**0.08075**

Q = qA

Where: Q = Peak flow rate (cubic metres/second)
A = Catchment Area (hectares)
q = Unit Flow Rate (cubic meters/second/hectare)

Area measurements for the Block A/B development area are as follows:

Catchment Area, A: **0.45** ha

Q = (Unit Flow Rate)(Area)

Return Period (Yrs)	2	5	10	25	50	100
A (ha)	0.45	0.45	0.45	0.45	0.45	0.45
q (m3/s/ha)	0.03575	0.04746	0.05546	0.06559	0.07315	0.08075
Q (m3/sec)	**0.01608**	**0.02135**	**0.02495**	**0.02951**	**0.03291**	**0.03633**
Q (L/sec)	**16.08**	**21.35**	**24.95**	**29.51**	**32.91**	**36.33**

Area measurements for the Block C/D development area are as follows:

Catchment Area, A: **0.52** ha

Return Period (Yrs)	2	5	10	25	50	100
A (ha)	0.52	0.52	0.52	0.52	0.52	0.52
q (m3/s/ha)	0.03575	0.04746	0.05546	0.06559	0.07315	0.08075
Q (m3/sec)	**0.01845**	**0.02449**	**0.02862**	**0.03385**	**0.03775**	**0.04167**
Q (L/sec)	**18.45**	**24.49**	**28.62**	**33.85**	**37.75**	**41.67**

Block A/B

Proposed areas measurements and land use types are as follows:

Land Use	Area (m^2)	Runoff C	Impervious
Roof Area	1,469	0.90	100%
Impervious At-Grade	986	0.90	100%
Softscape At-Grade	1,982	0.25	0%
Total Area:	**4,437**	**0.61**	**55%**

For the purposes of water balance calculations, no initial abstraction is assumed for impervious surfaces.

Surface Type	Area (m^2)	Initial Abstraction (m)	Volume Abstracted (m^3)	5mm Volume (m^3)	Water Balance (m^3)
Roof Area	1,469	0.000	0.0	7.3	7.3
Impervious At-Grade	986	0.000	0.0	4.9	4.9
Softscape At-Grade	1,982	0.005	9.9	9.9	0.0
Total Area:	**4,437**	**-**	**9.9**	**22.2**	**12.3**

Therefore, within the Block A/B development area, 12.3 m3 of runoff produced during a 5 mm event.

Block C/D

Proposed areas measurements and land use types are as follows:

Land Use	Area (m^2)	Runoff C	Impervious
Roof Area	1,953	0.90	100%
Impervious At-Grade	1,554	0.90	100%
Softscape At-Grade	1,654	0.25	0%
Total Area:	**5,161**	**0.69**	**68%**

For the purposes of water balance calculations, no initial abstraction is assumed for impervious surfaces.

Surface Type	Area (m^2)	Initial Abstraction (m)	Volume Abstracted (m^3)	5mm Volume (m^3)	Water Balance (m^3)
Roof Area	1,953	0.000	0.0	9.8	9.8
Impervious At-Grade	1,554	0.000	0.0	7.8	7.8
Softscape At-Grade	1,654	0.005	8.3	8.3	0.0
Total Area:	**5,161**	**-**	**8.3**	**25.8**	**17.5**

Therefore, within the Block C/D development area, 17.5 m3 of runoff produced during a 5 mm event.

Therefore, the combined required water balance volume for the project area is 29.8 m3.

ENVISION CONSULTANTS LTD	Project:	1055 Bloor Street	No.:	25-1018
	By:	MB	Date:	2026-09-04
	Checked:	SH	Page:	3
Stormwater Management Calculations	Infiltration Calculations - Rain Garden '1' and '2'			

Rain Garden '1' Design Volume

Bottom footprint =	70.20	m^2
Max Ponding depth =	0.15	m
Stone depth =	0.10	m
Porosity of stone storage =	0.40	
Surface volume provided =	13.70	m^3
Stone volume provided =	2.81	m^3
Total volume provided =	16.51	m^3

Rain Garden '1' Design Detention Time of Stone Sump Volume

$$A = \frac{1000V}{PnT}$$

Equation 4.3 of MOE SWMP Manual

Using design paramters,	P = Percolation rate (mm/hr)	3.3	mm/hr
	n = Porosity of storage media	0.40	
	V = Runoff volume to be infiltrated (m3)	2.81	m^3
	A = Bottom footprint area (m2)	70.20	m^2

Detention time **30.3** hours

Rain Garden '2' Design Volume

Bottom footprint =	88.89	m^2
Max Ponding depth =	0.15	m
Stone depth =	0.10	m
Porosity of stone storage =	0.40	
Surface volume provided =	15.67	m^3
Stone volume provided =	3.56	m^3
Total volume provided =	19.23	m^3

Rain Garden '2' Design Detention Time of Stone Sump Volume

$$A = \frac{1000V}{PnT}$$

Equation 4.3 of MOE SWMP Manual

Using design paramters,	P = Percolation rate (mm/hr)	3.3	mm/hr
	n = Porosity of storage media	0.40	
	V = Runoff volume to be infiltrated (m3)	3.56	m^3
	A = Bottom footprint area (m2)	88.89	m^2

Detention time **30.3** hours

ENVISION CONSULTANTS LTD	Project:	1055 Bloor Street	No.:	25-1018
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Stormwater Management Calculations	Infiltration Calculations - Developed Site			

Required Volume

From Water Balance calculations:

Required Infiltration Volume **29.8** m^3

Maximum Infiltration Depth

$$d = \frac{PT}{1000}$$ Equation 4.2 of MOE SWMP Manual

Where,			
	P = Percolation rate (mm/hr)	3.3	mm/hr
	T = Drawdown Time (hrs)	48	hours
	d = Maximum allowable depth of infiltration (m)	**0.16**	m
	Provided sump volume depth =	**0.16**	m

Minimum Footprint Surface Area

$$A = \frac{1000V}{PnT}$$ Equation 4.3 of MOE SWMP Manual

Where,			
	P = Percolation rate (mm/hr)	3.3	mm/hr
	n = Porosity of storage media	0.40	
	T = Drawdown time (hrs)	48	hours
	V = Runoff volume to be infiltrated (m^3)	29.8	m^3
	A = Minimum footprint area (m^2)	**470**	m^2
	Provided footprint =	**470**	m

Design Detention Time

$$A = \frac{1000V}{PnT}$$ Equation 4.3 of MOE SWMP Manual

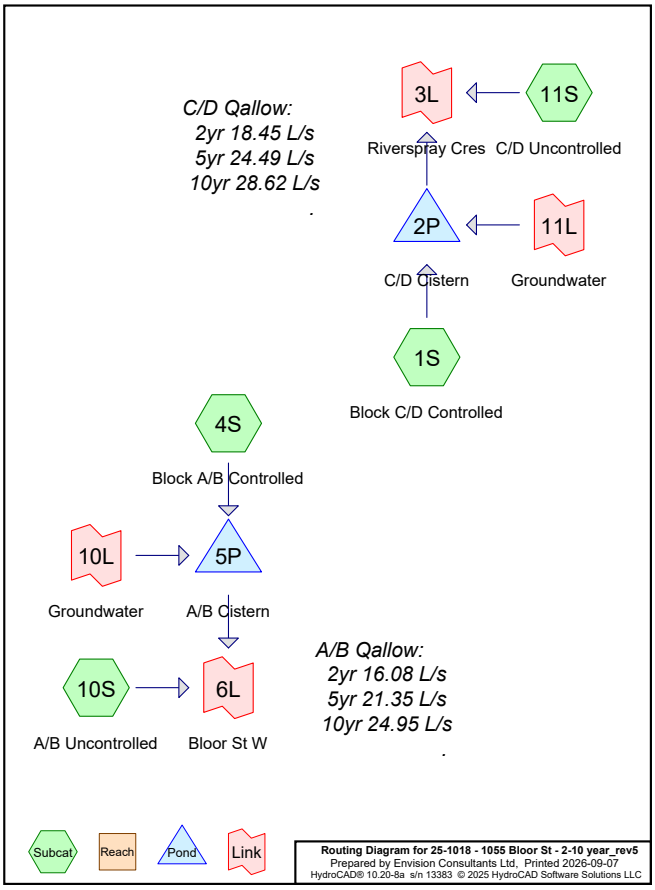
Using design (provided) parameters for A, and V

V = Runoff volume to be infiltrated (m^3)	29.8	m^3
P = Percolation rate (mm/hr)	3.3	mm/hr
n = Porosity of storage media	0.40	
A = Footprint area (m^2)	470.5	m^2

Therefore, drawdown time is: **48.0** hours

APPENDIX B:

Hydrologic Model Output



Area Listing (all nodes)

Area (sq-meters)	C	Description (subcatchment-numbers)
62.0	0.25	External (4S)
614.7	0.90	Impervious (10S, 11S)
1,925.4	0.90	Impervious At-Grade (1S, 4S)
3,421.5	0.90	Roof Area (1S, 4S)
3,636.1	0.25	Softscape (1S, 4S, 10S, 11S)
9,659.7	**0.65**	**TOTAL AREA**

Time span=0.00-8.00 hrs, dt=0.01 hrs, 801 points
Runoff by Rational method, Rise/Fall=1.0/1.0 xTc
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: Block C/D Controlled Runoff Area=3,972.4 m² 0.00% Impervious Runoff Depth=11 mm
Tc=15.0 min C=0.74 Runoff=0.0489 m³/s 44.0 m³

Subcatchment4S: Block A/B Controlled Runoff Area=3,592.7 m² 0.00% Impervious Runoff Depth=10 mm
Tc=15.0 min C=0.67 Runoff=0.0400 m³/s 36.0 m³

Subcatchment10S: A/B Uncontrolled Runoff Area=906.2 m² 0.00% Impervious Runoff Depth=5 mm
Tc=15.0 min C=0.33 Runoff=0.0050 m³/s 4.5 m³

Subcatchment11S: C/D Uncontrolled Runoff Area=1,188.4 m² 0.00% Impervious Runoff Depth=8 mm
Tc=15.0 min C=0.53 Runoff=0.0105 m³/s 9.4 m³

Pond 2P: C/D Cistern Peak Elev=0.121 m Storage=32.7 m³ Inflow=0.0490 m³/s 46.9 m³
Outflow=0.0075 m³/s 46.9 m³

Pond 5P: A/B Cistern Peak Elev=0.176 m Storage=15.2 m³ Inflow=0.0401 m³/s 38.9 m³
Outflow=0.0150 m³/s 38.9 m³

Link 3L: Riverspray Cres Inflow=0.0180 m³/s 56.3 m³
Primary=0.0180 m³/s 56.3 m³

Link 6L: Bloor St W Inflow=0.0200 m³/s 43.4 m³
Primary=0.0200 m³/s 43.4 m³

Link 10L: Groundwater Manual Hydrograph Inflow=0.0001 m³/s 2.9 m³
Primary=0.0001 m³/s 2.9 m³

Link 11L: Groundwater Manual Hydrograph Inflow=0.0001 m³/s 2.9 m³
Primary=0.0001 m³/s 2.9 m³

Total Runoff Area = 9,659.7 m² Runoff Volume = 94.0 m³ Average Runoff Depth = 10 mm
100.00% Pervious = 9,659.7 m² 0.00% Impervious = 0.0 m²

Summary for Subcatchment 1S: Block C/D Controlled

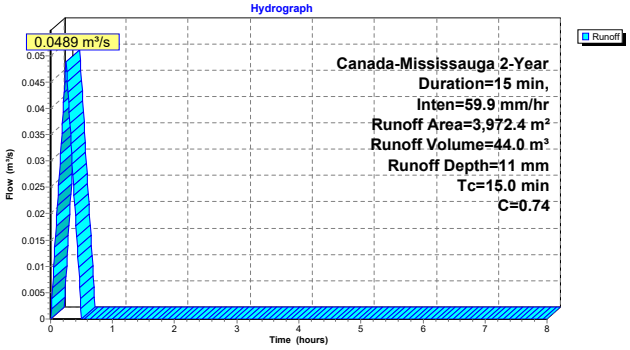
Runoff = 0.0489 m³/s @ 0.25 hrs, Volume= 44.0 m³, Depth= 11 mm
Routed to Pond 2P : C/D Cistern

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 2-Year Duration=15 min, Inten=59.9 mm/hr

Area (m²)	C	Description
1,952.9	0.90	Roof Area
1,048.9	0.90	Impervious At-Grade
970.6	0.25	Softscape
3,972.4	0.74	Weighted Average
3,972.4		100.00% Pervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 1S: Block C/D Controlled



Hydrograph for Subcatchment 1S: Block C/D Controlled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0098	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0196	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0293	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0391	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0489**	2.85	0.0000	5.45	0.0000		
0.30	0.0391	2.90	0.0000	5.50	0.0000		
0.35	0.0293	2.95	0.0000	5.55	0.0000		
0.40	0.0196	3.00	0.0000	5.60	0.0000		
0.45	0.0098	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 4S: Block A/B Controlled

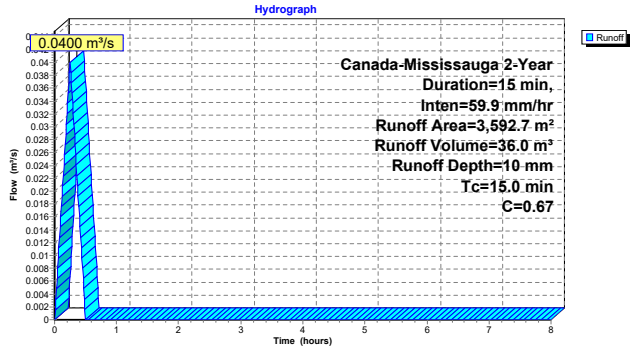
Runoff = 0.0400 m³/s @ 0.25 hrs, Volume= 36.0 m³, Depth= 10 mm
Routed to Pond 5P : A/B Cistern

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 2-Year Duration=15 min, Inten=59.9 mm/hr

Area (m²)	C	Description
1,468.6	0.90	Roof Area
876.5	0.90	Impervious At-Grade
1,185.6	0.25	Softscape
62.0	0.25	External
3,592.7	0.67	Weighted Average
3,592.7		100.00% Pervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 4S: Block A/B Controlled



Hydrograph for Subcatchment 4S: Block A/B Controlled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0080	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0160	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0240	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0320	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0400**	2.85	0.0000	5.45	0.0000		
0.30	0.0320	2.90	0.0000	5.50	0.0000		
0.35	0.0240	2.95	0.0000	5.55	0.0000		
0.40	0.0160	3.00	0.0000	5.60	0.0000		
0.45	0.0080	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 10S: A/B Uncontrolled

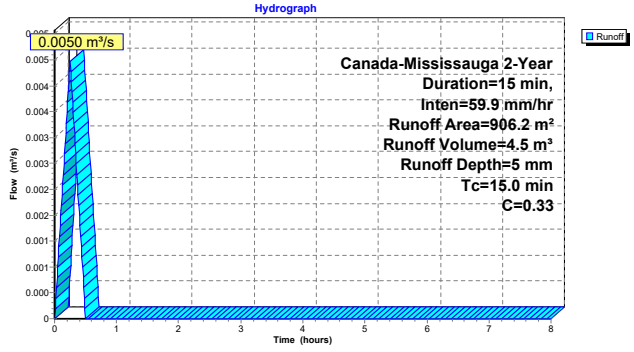
Runoff = 0.0050 m³/s @ 0.25 hrs, Volume= 4.5 m³, Depth= 5 mm
Routed to Link 6L : Bloor St W

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 2-Year Duration=15 min, Inten=59.9 mm/hr

Area (m²)	C	Description
109.4	0.90	Impervious
796.8	0.25	Softscape
906.2	0.33	Weighted Average
906.2		100.00% Pervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 10S: A/B Uncontrolled



Hydrograph for Subcatchment 10S: A/B Uncontrolled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0010	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0020	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0030	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0040	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0050**	2.85	0.0000	5.45	0.0000		
0.30	0.0040	2.90	0.0000	5.50	0.0000		
0.35	0.0030	2.95	0.0000	5.55	0.0000		
0.40	0.0020	3.00	0.0000	5.60	0.0000		
0.45	0.0010	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 11S: C/D Uncontrolled

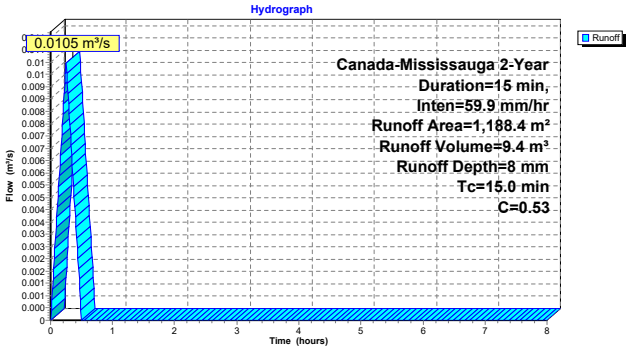
Runoff = 0.0105 m³/s @ 0.25 hrs, Volume= 9.4 m³, Depth= 8 mm
Routed to Link 3L : Riverspray Cres

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 2-Year Duration=15 min, Inten=59.9 mm/hr

Area (m²)	C	Description
505.3	0.90	Impervious
683.1	0.25	Softscape
1,188.4	0.53	Weighted Average
1,188.4		100.00% Pervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 11S: C/D Uncontrolled



Hydrograph for Subcatchment 11S: C/D Uncontrolled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0021	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0042	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0063	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0084	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0105**	2.85	0.0000	5.45	0.0000		
0.30	0.0084	2.90	0.0000	5.50	0.0000		
0.35	0.0063	2.95	0.0000	5.55	0.0000		
0.40	0.0042	3.00	0.0000	5.60	0.0000		
0.45	0.0021	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Pond 2P: C/D Cistern

Inflow Area = 3,972.4 m², 0.00% Impervious, Inflow Depth > 12 mm for 2-Year event
Inflow = 0.0490 m³/s @ 0.25 hrs, Volume= 46.9 m³
Outflow = 0.0075 m³/s @ 0.09 hrs, Volume= 46.9 m³, Atten= 85%, Lag= 0.0 min
Primary = 0.0075 m³/s @ 0.09 hrs, Volume= 46.9 m³
Routed to Link 3L : Riverspray Cres

Routing by Stor-Ind method, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Peak Elev= 0.121 m @ 0.46 hrs Surf.Area= 270.3 m² Storage= 32.7 m³

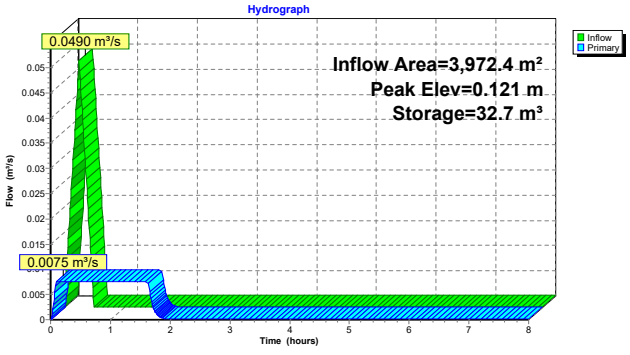
Plug-Flow detention time= 35.8 min calculated for 46.9 m³ (100% of inflow)
Center-of-Mass det. time= 35.6 min (64.4 - 28.8)

Volume	Invert	Avail.Storage	Storage Description
#1	0.000 m	178.4 m³	**1.00 mW x 281.60 mL x 0.66 mH Prismatoid**x 0.96

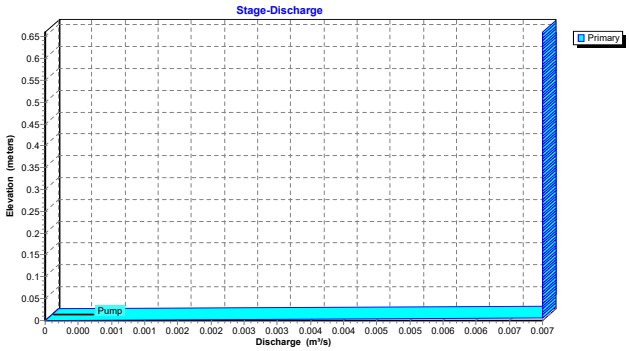
Device	Routing	Invert	Outlet Devices
#1	Primary	0.000 m	**Pump** Discharges@0.000 m Flow (l/min)= 449.9 450.0 Head (meters)= 0.660 0.000

Primary OutFlow Max=0.0075 m³/s @ 0.09 hrs HW=0.007 m (Free Discharge)
↑**1=Pump** (Pump Controls 0.0075 m³/s)

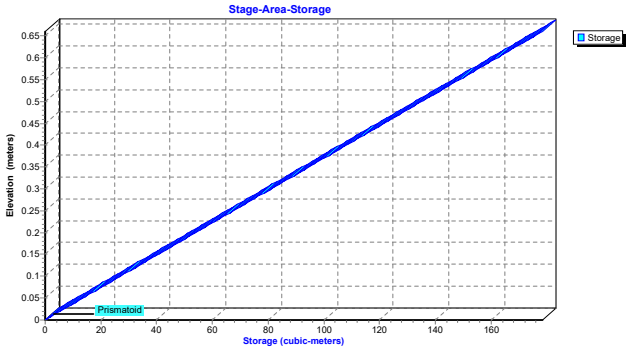
Pond 2P: C/D Cistern



Pond 2P: C/D Cistern



Pond 2P: C/D Cistern



Hydrograph for Pond 2P: C/D Cistern

Time (hours)	Inflow (m³/s)	Storage (cubic-meters)	Elevation (meters)	Primary (m³/s)
0.00	0.0001	0.0	0.000	**0.0000**
0.20	**0.0392**	10.2	0.038	**0.0075**
0.40	**0.0197**	**31.3**	**0.116**	0.0075
0.60	0.0001	**29.5**	**0.109**	0.0075
0.80	0.0001	24.2	0.089	0.0075
1.00	0.0001	18.8	0.070	0.0075
1.20	0.0001	13.5	0.050	0.0075
1.40	0.0001	8.2	0.030	0.0075
1.60	0.0001	2.9	0.011	0.0075
1.80	0.0001	0.2	0.001	0.0008
2.00	0.0001	0.0	0.000	0.0001
2.20	0.0001	0.0	0.000	0.0001
2.40	0.0001	0.0	0.000	0.0001
2.60	0.0001	0.0	0.000	0.0001
2.80	0.0001	0.0	0.000	0.0001
3.00	0.0001	0.0	0.000	0.0001
3.20	0.0001	0.0	0.000	0.0001
3.40	0.0001	0.0	0.000	0.0001
3.60	0.0001	0.0	0.000	0.0001
3.80	0.0001	0.0	0.000	0.0001
4.00	0.0001	0.0	0.000	0.0001
4.20	0.0001	0.0	0.000	0.0001
4.40	0.0001	0.0	0.000	0.0001
4.60	0.0001	0.0	0.000	0.0001
4.80	0.0001	0.0	0.000	0.0001
5.00	0.0001	0.0	0.000	0.0001
5.20	0.0001	0.0	0.000	0.0001
5.40	0.0001	0.0	0.000	0.0001
5.60	0.0001	0.0	0.000	0.0001
5.80	0.0001	0.0	0.000	0.0001
6.00	0.0001	0.0	0.000	0.0001
6.20	0.0001	0.0	0.000	0.0001
6.40	0.0001	0.0	0.000	0.0001
6.60	0.0001	0.0	0.000	0.0001
6.80	0.0001	0.0	0.000	0.0001
7.00	0.0001	0.0	0.000	0.0001
7.20	0.0001	0.0	0.000	0.0001
7.40	0.0001	0.0	0.000	0.0001
7.60	0.0001	0.0	0.000	0.0001
7.80	0.0001	0.0	0.000	0.0001
8.00	0.0001	0.0	0.000	0.0001

Stage-Discharge for Pond 2P: C/D Cistern

Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)
0.000	**0.0000**	0.260	0.0075	0.520	0.0075
0.005	**0.0075**	0.265	0.0075	0.525	0.0075
0.010	0.0075	0.270	0.0075	0.530	0.0075
0.015	0.0075	0.275	0.0075	0.535	0.0075
0.020	0.0075	0.280	0.0075	0.540	0.0075
0.025	0.0075	0.285	0.0075	0.545	0.0075
0.030	0.0075	0.290	0.0075	0.550	0.0075
0.035	0.0075	0.295	0.0075	0.555	0.0075
0.040	0.0075	0.300	0.0075	0.560	0.0075
0.045	0.0075	0.305	0.0075	0.565	0.0075
0.050	0.0075	0.310	0.0075	0.570	0.0075
0.055	0.0075	0.315	0.0075	0.575	0.0075
0.060	0.0075	0.320	0.0075	0.580	0.0075
0.065	0.0075	0.325	0.0075	0.585	0.0075
0.070	0.0075	0.330	0.0075	0.590	0.0075
0.075	0.0075	0.335	0.0075	0.595	0.0075
0.080	0.0075	0.340	0.0075	0.600	0.0075
0.085	0.0075	0.345	0.0075	0.605	0.0075
0.090	0.0075	0.350	0.0075	0.610	0.0075
0.095	0.0075	0.355	0.0075	0.615	0.0075
0.100	0.0075	0.360	0.0075	0.620	0.0075
0.105	0.0075	0.365	0.0075	0.625	0.0075
0.110	0.0075	0.370	0.0075	0.630	0.0075
0.115	0.0075	0.375	0.0075	0.635	0.0075
0.120	0.0075	0.380	0.0075	0.640	0.0075
0.125	0.0075	0.385	0.0075	0.645	0.0075
0.130	0.0075	0.390	0.0075	0.650	0.0075
0.135	0.0075	0.395	0.0075	0.655	0.0075
0.140	0.0075	0.400	0.0075	0.660	0.0075
0.145	0.0075	0.405	0.0075		
0.150	0.0075	0.410	0.0075		
0.155	0.0075	0.415	0.0075		
0.160	0.0075	0.420	0.0075		
0.165	0.0075	0.425	0.0075		
0.170	0.0075	0.430	0.0075		
0.175	0.0075	0.435	0.0075		
0.180	0.0075	0.440	0.0075		
0.185	0.0075	0.445	0.0075		
0.190	0.0075	0.450	0.0075		
0.195	0.0075	0.455	0.0075		
0.200	0.0075	0.460	0.0075		
0.205	0.0075	0.465	0.0075		
0.210	0.0075	0.470	0.0075		
0.215	0.0075	0.475	0.0075		
0.220	0.0075	0.480	0.0075		
0.225	0.0075	0.485	0.0075		
0.230	0.0075	0.490	0.0075		
0.235	0.0075	0.495	0.0075		
0.240	0.0075	0.500	0.0075		
0.245	0.0075	0.505	0.0075		
0.250	0.0075	0.510	0.0075		
0.255	0.0075	0.515	0.0075		

Stage-Area-Storage for Pond 2P: C/D Cistern

Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)
0.000	0.0	0.260	70.3	0.520	140.6
0.005	1.4	0.265	71.6	0.525	141.9
0.010	2.7	0.270	73.0	0.530	143.3
0.015	4.1	0.275	74.3	0.535	144.6
0.020	5.4	0.280	75.7	0.540	146.0
0.025	6.8	0.285	77.0	0.545	147.3
0.030	8.1	0.290	78.4	0.550	148.7
0.035	9.5	0.295	79.7	0.555	150.0
0.040	10.8	0.300	81.1	0.560	151.4
0.045	12.2	0.305	82.5	0.565	152.7
0.050	13.5	0.310	83.8	0.570	154.1
0.055	14.9	0.315	85.2	0.575	155.4
0.060	16.2	0.320	86.5	0.580	156.8
0.065	17.6	0.325	87.9	0.585	158.1
0.070	18.9	0.330	89.2	0.590	159.5
0.075	20.3	0.335	90.6	0.595	160.8
0.080	21.6	0.340	91.9	0.600	162.2
0.085	23.0	0.345	93.3	0.605	163.6
0.090	24.3	0.350	94.6	0.610	164.9
0.095	25.7	0.355	96.0	0.615	166.3
0.100	27.0	0.360	97.3	0.620	167.6
0.105	28.4	0.365	98.7	0.625	169.0
0.110	29.7	0.370	100.0	0.630	170.3
0.115	31.1	0.375	101.4	0.635	171.7
0.120	32.4	0.380	102.7	0.640	173.0
0.125	33.8	0.385	104.1	0.645	174.4
0.130	35.1	0.390	105.4	0.650	175.7
0.135	36.5	0.395	106.8	0.655	177.1
0.140	37.8	0.400	108.1	0.660	**178.4**
0.145	39.2	0.405	109.5		
0.150	40.6	0.410	110.8		
0.155	41.9	0.415	112.2		
0.160	43.3	0.420	113.5		
0.165	44.6	0.425	114.9		
0.170	46.0	0.430	116.2		
0.175	47.3	0.435	117.6		
0.180	48.7	0.440	118.9		
0.185	50.0	0.445	120.3		
0.190	51.4	0.450	121.7		
0.195	52.7	0.455	123.0		
0.200	54.1	0.460	124.4		
0.205	55.4	0.465	125.7		
0.210	56.8	0.470	127.1		
0.215	58.1	0.475	128.4		
0.220	59.5	0.480	129.8		
0.225	60.8	0.485	131.1		
0.230	62.2	0.490	132.5		
0.235	63.5	0.495	133.8		
0.240	64.9	0.500	135.2		
0.245	66.2	0.505	136.5		
0.250	67.6	0.510	137.9		
0.255	68.9	0.515	139.2		

Summary for Pond 5P: A/B Cistern

Inflow Area = 3,592.7 m², 0.00% Impervious, Inflow Depth > 11 mm for 2-Year event
Inflow = 0.0401 m³/s @ 0.25 hrs, Volume= 38.9 m³
Outflow = 0.0150 m³/s @ 0.12 hrs, Volume= 38.9 m³, Atten= 63%, Lag= 0.0 min
Primary = 0.0150 m³/s @ 0.12 hrs, Volume= 38.9 m³
Routed to Link 6L : Bloor St W

Routing by Stor-Ind method, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Peak Elev= 0.176 m @ 0.41 hrs Surf.Area= 86.6 m² Storage= 15.2 m³

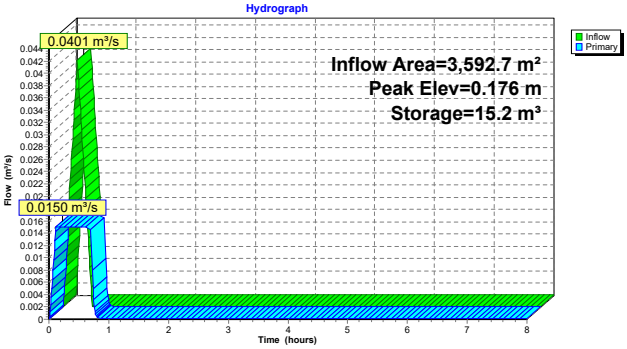
Plug-Flow detention time= 8.5 min calculated for 38.9 m³ (100% of inflow)
Center-of-Mass det. time= 8.4 min (40.1 - 31.7)

Volume	Invert	Avail.Storage	Storage Description
#1	0.000 m	114.4 m³	**1.00 mW x 90.24 mL x 1.32 mH Prismatoid**x 0.96

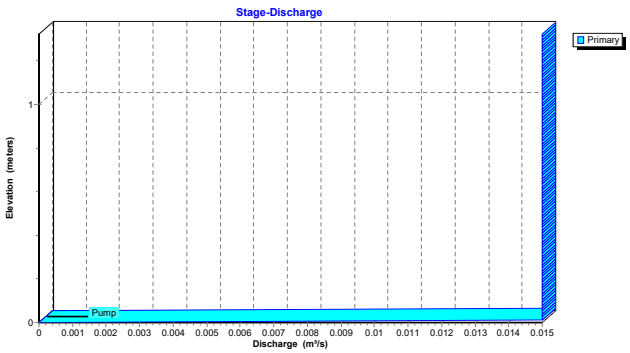
Device	Routing	Invert	Outlet Devices
#1	Primary	0.000 m	**Pump** Discharges@0.000 m Flow (l/min)= 899.9 900.0 Head (meters)= 1.320 0.000

Primary OutFlow Max=0.0150 m³/s @ 0.12 hrs HW=0.014 m (Free Discharge)
↳1=Pump (Pump Controls 0.0150 m³/s)

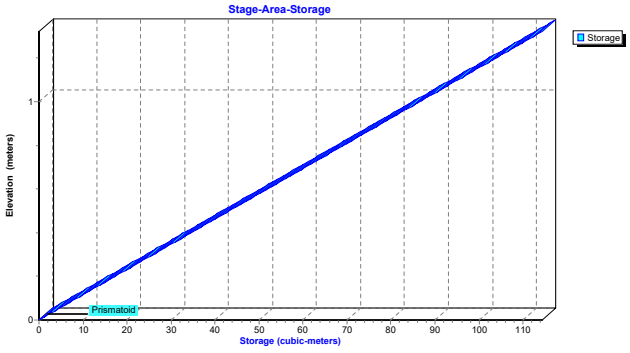
Pond 5P: A/B Cistern



Pond 5P: A/B Cistern



Pond 5P: A/B Cistern



Hydrograph for Pond 5P: A/B Cistern

Time (hours)	Inflow (m³/s)	Storage (cubic-meters)	Elevation (meters)	Primary (m³/s)
0.00	0.0001	0.0	0.000	**0.0000**
0.20	**0.0321**	4.3	0.050	**0.0150**
0.40	**0.0161**	**15.2**	**0.176**	0.0150
0.60	0.0001	**7.4**	**0.085**	0.0150
0.80	0.0001	0.0	0.000	0.0004
1.00	0.0001	0.0	0.000	0.0001
1.20	0.0001	0.0	0.000	0.0001
1.40	0.0001	0.0	0.000	0.0001
1.60	0.0001	0.0	0.000	0.0001
1.80	0.0001	0.0	0.000	0.0001
2.00	0.0001	0.0	0.000	0.0001
2.20	0.0001	0.0	0.000	0.0001
2.40	0.0001	0.0	0.000	0.0001
2.60	0.0001	0.0	0.000	0.0001
2.80	0.0001	0.0	0.000	0.0001
3.00	0.0001	0.0	0.000	0.0001
3.20	0.0001	0.0	0.000	0.0001
3.40	0.0001	0.0	0.000	0.0001
3.60	0.0001	0.0	0.000	0.0001
3.80	0.0001	0.0	0.000	0.0001
4.00	0.0001	0.0	0.000	0.0001
4.20	0.0001	0.0	0.000	0.0001
4.40	0.0001	0.0	0.000	0.0001
4.60	0.0001	0.0	0.000	0.0001
4.80	0.0001	0.0	0.000	0.0001
5.00	0.0001	0.0	0.000	0.0001
5.20	0.0001	0.0	0.000	0.0001
5.40	0.0001	0.0	0.000	0.0001
5.60	0.0001	0.0	0.000	0.0001
5.80	0.0001	0.0	0.000	0.0001
6.00	0.0001	0.0	0.000	0.0001
6.20	0.0001	0.0	0.000	0.0001
6.40	0.0001	0.0	0.000	0.0001
6.60	0.0001	0.0	0.000	0.0001
6.80	0.0001	0.0	0.000	0.0001
7.00	0.0001	0.0	0.000	0.0001
7.20	0.0001	0.0	0.000	0.0001
7.40	0.0001	0.0	0.000	0.0001
7.60	0.0001	0.0	0.000	0.0001
7.80	0.0001	0.0	0.000	0.0001
8.00	0.0001	0.0	0.000	0.0001

Stage-Discharge for Pond 5P: A/B Cistern

Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)
0.000	**0.0000**	0.520	0.0150	1.040	0.0150
0.010	**0.0150**	0.530	0.0150	1.050	0.0150
0.020	0.0150	0.540	0.0150	1.060	0.0150
0.030	0.0150	0.550	0.0150	1.070	0.0150
0.040	0.0150	0.560	0.0150	1.080	0.0150
0.050	0.0150	0.570	0.0150	1.090	0.0150
0.060	0.0150	0.580	0.0150	1.100	0.0150
0.070	0.0150	0.590	0.0150	1.110	0.0150
0.080	0.0150	0.600	0.0150	1.120	0.0150
0.090	0.0150	0.610	0.0150	1.130	0.0150
0.100	0.0150	0.620	0.0150	1.140	0.0150
0.110	0.0150	0.630	0.0150	1.150	0.0150
0.120	0.0150	0.640	0.0150	1.160	0.0150
0.130	0.0150	0.650	0.0150	1.170	0.0150
0.140	0.0150	0.660	0.0150	1.180	0.0150
0.150	0.0150	0.670	0.0150	1.190	0.0150
0.160	0.0150	0.680	0.0150	1.200	0.0150
0.170	0.0150	0.690	0.0150	1.210	0.0150
0.180	0.0150	0.700	0.0150	1.220	0.0150
0.190	0.0150	0.710	0.0150	1.230	0.0150
0.200	0.0150	0.720	0.0150	1.240	0.0150
0.210	0.0150	0.730	0.0150	1.250	0.0150
0.220	0.0150	0.740	0.0150	1.260	0.0150
0.230	0.0150	0.750	0.0150	1.270	0.0150
0.240	0.0150	0.760	0.0150	1.280	0.0150
0.250	0.0150	0.770	0.0150	1.290	0.0150
0.260	0.0150	0.780	0.0150	1.300	0.0150
0.270	0.0150	0.790	0.0150	1.310	0.0150
0.280	0.0150	0.800	0.0150	1.320	0.0150
0.290	0.0150	0.810	0.0150		
0.300	0.0150	0.820	0.0150		
0.310	0.0150	0.830	0.0150		
0.320	0.0150	0.840	0.0150		
0.330	0.0150	0.850	0.0150		
0.340	0.0150	0.860	0.0150		
0.350	0.0150	0.870	0.0150		
0.360	0.0150	0.880	0.0150		
0.370	0.0150	0.890	0.0150		
0.380	0.0150	0.900	0.0150		
0.390	0.0150	0.910	0.0150		
0.400	0.0150	0.920	0.0150		
0.410	0.0150	0.930	0.0150		
0.420	0.0150	0.940	0.0150		
0.430	0.0150	0.950	0.0150		
0.440	0.0150	0.960	0.0150		
0.450	0.0150	0.970	0.0150		
0.460	0.0150	0.980	0.0150		
0.470	0.0150	0.990	0.0150		
0.480	0.0150	1.000	0.0150		
0.490	0.0150	1.010	0.0150		
0.500	0.0150	1.020	0.0150		
0.510	0.0150	1.030	0.0150		

Stage-Area-Storage for Pond 5P: A/B Cistern

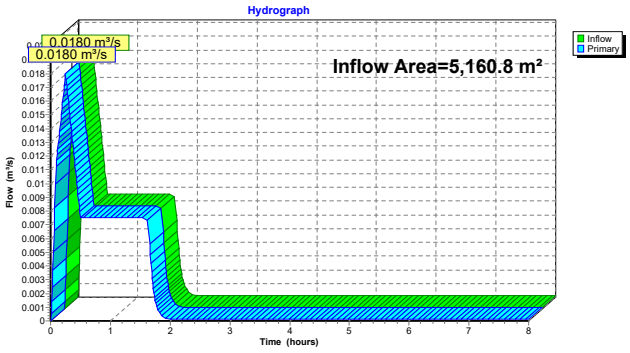
Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)
0.000	0.0	0.520	45.0	1.040	90.1
0.010	0.9	0.530	45.9	1.050	91.0
0.020	1.7	0.540	46.8	1.060	91.8
0.030	2.6	0.550	47.6	1.070	92.7
0.040	3.5	0.560	48.5	1.080	93.6
0.050	4.3	0.570	49.4	1.090	94.4
0.060	5.2	0.580	50.2	1.100	95.3
0.070	6.1	0.590	51.1	1.110	96.2
0.080	6.9	0.600	52.0	1.120	97.0
0.090	7.8	0.610	52.8	1.130	97.9
0.100	8.7	0.620	53.7	1.140	98.8
0.110	9.5	0.630	54.6	1.150	99.6
0.120	10.4	0.640	55.4	1.160	100.5
0.130	11.3	0.650	56.3	1.170	101.4
0.140	12.1	0.660	57.2	1.180	102.2
0.150	13.0	0.670	58.0	1.190	103.1
0.160	13.9	0.680	58.9	1.200	104.0
0.170	14.7	0.690	59.8	1.210	104.8
0.180	15.6	0.700	60.6	1.220	105.7
0.190	16.5	0.710	61.5	1.230	106.6
0.200	17.3	0.720	62.4	1.240	107.4
0.210	18.2	0.730	63.2	1.250	108.3
0.220	19.1	0.740	64.1	1.260	109.2
0.230	19.9	0.750	65.0	1.270	110.0
0.240	20.8	0.760	65.8	1.280	110.9
0.250	21.7	0.770	66.7	1.290	111.8
0.260	22.5	0.780	67.6	1.300	112.6
0.270	23.4	0.790	68.4	1.310	113.5
0.280	24.3	0.800	69.3	1.320	**114.4**
0.290	25.1	0.810	70.2		
0.300	26.0	0.820	71.0		
0.310	26.9	0.830	71.9		
0.320	27.7	0.840	72.8		
0.330	28.6	0.850	73.6		
0.340	29.5	0.860	74.5		
0.350	30.3	0.870	75.4		
0.360	31.2	0.880	76.2		
0.370	32.1	0.890	77.1		
0.380	32.9	0.900	78.0		
0.390	33.8	0.910	78.8		
0.400	34.7	0.920	79.7		
0.410	35.5	0.930	80.6		
0.420	36.4	0.940	81.4		
0.430	37.3	0.950	82.3		
0.440	38.1	0.960	83.2		
0.450	39.0	0.970	84.0		
0.460	39.8	0.980	84.9		
0.470	40.7	0.990	85.8		
0.480	41.6	1.000	86.6		
0.490	42.4	1.010	87.5		
0.500	43.3	1.020	88.4		
0.510	44.2	1.030	89.2		

Summary for Link 3L: Riverspray Cres

Inflow Area = 5,160.8 m², 0.00% Impervious, Inflow Depth > 11 mm for 2-Year event
Inflow = 0.0180 m³/s @ 0.25 hrs, Volume= 56.3 m³
Primary = 0.0180 m³/s @ 0.25 hrs, Volume= 56.3 m³, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

Link 3L: Riverspray Cres



Hydrograph for Link 3L: Riverspray Cres

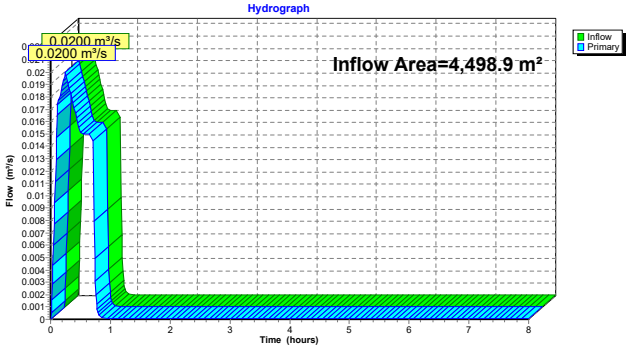
Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	0.0000	**0.000**	0.0000	5.20	0.0001	0.000	0.0001
0.10	0.0117	0.000	0.0117	5.30	0.0001	0.000	0.0001
0.20	**0.0159**	0.000	**0.0159**	5.40	0.0001	0.000	0.0001
0.30	**0.0159**	0.000	**0.0159**	5.50	0.0001	0.000	0.0001
0.40	0.0117	0.000	0.0117	5.60	0.0001	0.000	0.0001
0.50	0.0075	0.000	0.0075	5.70	0.0001	0.000	0.0001
0.60	0.0075	0.000	0.0075	5.80	0.0001	0.000	0.0001
0.70	0.0075	0.000	0.0075	5.90	0.0001	0.000	0.0001
0.80	0.0075	0.000	0.0075	6.00	0.0001	0.000	0.0001
0.90	0.0075	0.000	0.0075	6.10	0.0001	0.000	0.0001
1.00	0.0075	0.000	0.0075	6.20	0.0001	0.000	0.0001
1.10	0.0075	0.000	0.0075	6.30	0.0001	0.000	0.0001
1.20	0.0075	0.000	0.0075	6.40	0.0001	0.000	0.0001
1.30	0.0075	0.000	0.0075	6.50	0.0001	0.000	0.0001
1.40	0.0075	0.000	0.0075	6.60	0.0001	0.000	0.0001
1.50	0.0075	0.000	0.0075	6.70	0.0001	0.000	0.0001
1.60	0.0075	0.000	0.0075	6.80	0.0001	0.000	0.0001
1.70	0.0031	0.000	0.0031	6.90	0.0001	0.000	0.0001
1.80	0.0008	0.000	0.0008	7.00	0.0001	0.000	0.0001
1.90	0.0002	0.000	0.0002	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

Summary for Link 6L: Bloor St W

Inflow Area = 4,498.9 m², 0.00% Impervious, Inflow Depth > 10 mm for 2-Year event
Inflow = 0.0200 m³/s @ 0.25 hrs, Volume= 43.4 m³
Primary = 0.0200 m³/s @ 0.25 hrs, Volume= 43.4 m³, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

Link 6L: Bloor St W



Hydrograph for Link 6L: Bloor St W

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	0.0000	**0.000**	0.0000	5.20	0.0001	0.000	0.0001
0.10	0.0147	0.000	0.0147	5.30	0.0001	0.000	0.0001
0.20	**0.0190**	0.000	**0.0190**	5.40	0.0001	0.000	0.0001
0.30	**0.0190**	0.000	**0.0190**	5.50	0.0001	0.000	0.0001
0.40	0.0170	0.000	0.0170	5.60	0.0001	0.000	0.0001
0.50	0.0150	0.000	0.0150	5.70	0.0001	0.000	0.0001
0.60	0.0150	0.000	0.0150	5.80	0.0001	0.000	0.0001
0.70	0.0150	0.000	0.0150	5.90	0.0001	0.000	0.0001
0.80	0.0004	0.000	0.0004	6.00	0.0001	0.000	0.0001
0.90	0.0001	0.000	0.0001	6.10	0.0001	0.000	0.0001
1.00	0.0001	0.000	0.0001	6.20	0.0001	0.000	0.0001
1.10	0.0001	0.000	0.0001	6.30	0.0001	0.000	0.0001
1.20	0.0001	0.000	0.0001	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

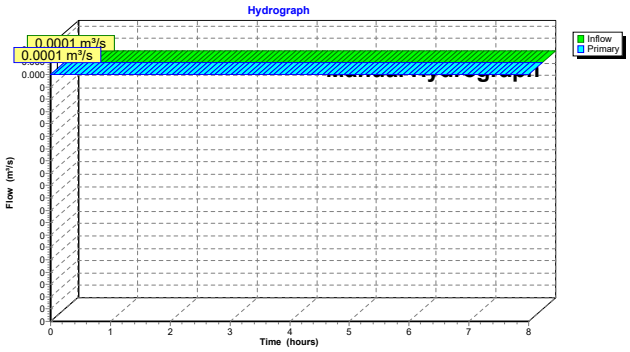
Summary for Link 10L: Groundwater

Inflow = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³
Primary = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³, Atten= 0%, Lag= 0.0 min
Routed to Pond 5P : A/B Cistern

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

9 Point manual hydrograph, To= 0.00 hrs, dt= 1.00 hrs, m³/s =
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001

Link 10L: Groundwater



Hydrograph for Link 10L: Groundwater

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	**0.0001**	**0.000**	**0.0001**	5.20	0.0001	0.000	0.0001
0.10	0.0001	0.000	0.0001	5.30	0.0001	0.000	0.0001
0.20	0.0001	0.000	0.0001	5.40	0.0001	0.000	0.0001
0.30	0.0001	0.000	0.0001	5.50	0.0001	0.000	0.0001
0.40	0.0001	0.000	0.0001	5.60	0.0001	0.000	0.0001
0.50	0.0001	0.000	0.0001	5.70	0.0001	0.000	0.0001
0.60	0.0001	0.000	0.0001	5.80	0.0001	0.000	0.0001
0.70	0.0001	0.000	0.0001	5.90	0.0001	0.000	0.0001
0.80	0.0001	0.000	0.0001	6.00	0.0001	0.000	0.0001
0.90	0.0001	0.000	0.0001	6.10	0.0001	0.000	0.0001
1.00	0.0001	0.000	0.0001	6.20	0.0001	0.000	0.0001
1.10	0.0001	0.000	0.0001	6.30	0.0001	0.000	0.0001
1.20	0.0001	0.000	0.0001	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

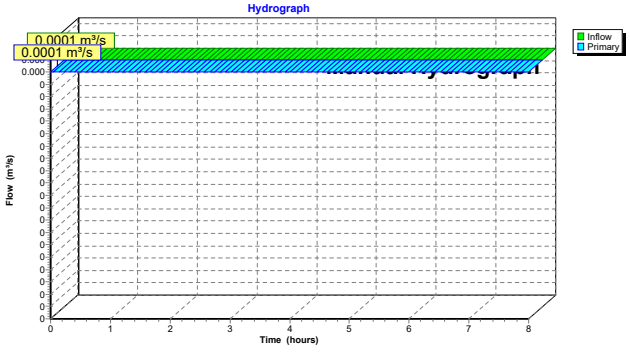
Summary for Link 11L: Groundwater

Inflow = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³
Primary = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³, Atten= 0%, Lag= 0.0 min
Routed to Pond 2P : C/D Cistern

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

9 Point manual hydrograph, To= 0.00 hrs, dt= 1.00 hrs, m³/s =
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001

Link 11L: Groundwater



Hydrograph for Link 11L: Groundwater

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	**0.0001**	**0.000**	**0.0001**	5.20	0.0001	0.000	0.0001
0.10	0.0001	0.000	0.0001	5.30	0.0001	0.000	0.0001
0.20	0.0001	0.000	0.0001	5.40	0.0001	0.000	0.0001
0.30	0.0001	0.000	0.0001	5.50	0.0001	0.000	0.0001
0.40	0.0001	0.000	0.0001	5.60	0.0001	0.000	0.0001
0.50	0.0001	0.000	0.0001	5.70	0.0001	0.000	0.0001
0.60	0.0001	0.000	0.0001	5.80	0.0001	0.000	0.0001
0.70	0.0001	0.000	0.0001	5.90	0.0001	0.000	0.0001
0.80	0.0001	0.000	0.0001	6.00	0.0001	0.000	0.0001
0.90	0.0001	0.000	0.0001	6.10	0.0001	0.000	0.0001
1.00	0.0001	0.000	0.0001	6.20	0.0001	0.000	0.0001
1.10	0.0001	0.000	0.0001	6.30	0.0001	0.000	0.0001
1.20	0.0001	0.000	0.0001	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

Time span=0.00-8.00 hrs, dt=0.01 hrs, 801 points
Runoff by Rational method, Rise/Fall=1.0/1.0 xTc
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: Block C/D Controlled Runoff Area=3,972.4 m² 0.00% Impervious Runoff Depth=15 mm
Tc=15.0 min C=0.74 Runoff=0.0657 m³/s 59.2 m³

Subcatchment4S: Block A/B Controlled Runoff Area=3,592.7 m² 0.00% Impervious Runoff Depth=13 mm
Tc=15.0 min C=0.67 Runoff=0.0538 m³/s 48.4 m³

Subcatchment10S: A/B Uncontrolled Runoff Area=906.2 m² 0.00% Impervious Runoff Depth=7 mm
Tc=15.0 min C=0.33 Runoff=0.0067 m³/s 6.0 m³

Subcatchment11S: C/D Uncontrolled Runoff Area=1,188.4 m² 0.00% Impervious Runoff Depth=11 mm
Tc=15.0 min C=0.53 Runoff=0.0141 m³/s 12.7 m³

Pond 2P: C/D Cistern Peak Elev=0.176 m Storage=47.5 m³ Inflow=0.0658 m³/s 62.1 m³
Outflow=0.0075 m³/s 62.0 m³

Pond 5P: A/B Cistern Peak Elev=0.304 m Storage=26.3 m³ Inflow=0.0539 m³/s 51.3 m³
Outflow=0.0150 m³/s 51.3 m³

Link 3L: Riverspray Cres Inflow=0.0216 m³/s 74.7 m³
Primary=0.0216 m³/s 74.7 m³

Link 6L: Bloor St W Inflow=0.0217 m³/s 57.3 m³
Primary=0.0217 m³/s 57.3 m³

Link 10L: Groundwater Manual Hydrograph Inflow=0.0001 m³/s 2.9 m³
Primary=0.0001 m³/s 2.9 m³

Link 11L: Groundwater Manual Hydrograph Inflow=0.0001 m³/s 2.9 m³
Primary=0.0001 m³/s 2.9 m³

Total Runoff Area = 9,659.7 m² Runoff Volume = 126.3 m³ Average Runoff Depth = 13 mm
100.00% Pervious = 9,659.7 m² 0.00% Impervious = 0.0 m²

Summary for Subcatchment 1S: Block C/D Controlled

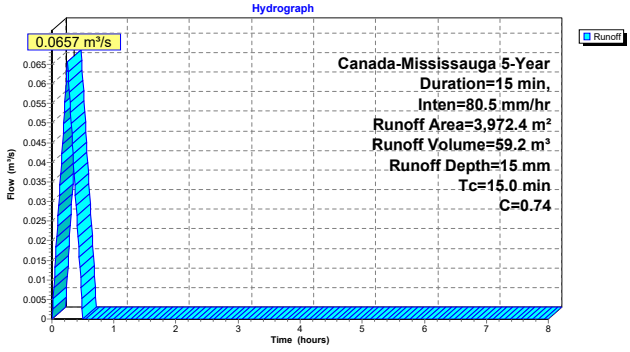
Runoff = 0.0657 m³/s @ 0.25 hrs, Volume= 59.2 m³, Depth= 15 mm
Routed to Pond 2P : C/D Cistern

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 5-Year Duration=15 min, Inten=80.5 mm/hr

Area (m²)	C	Description
1,952.9	0.90	Roof Area
1,048.9	0.90	Impervious At-Grade
970.6	0.25	Softscape
3,972.4	0.74	Weighted Average
3,972.4		100.00% Pervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 1S: Block C/D Controlled



Hydrograph for Subcatchment 1S: Block C/D Controlled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0131	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0263	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0394	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0526	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0657**	2.85	0.0000	5.45	0.0000		
0.30	0.0526	2.90	0.0000	5.50	0.0000		
0.35	0.0394	2.95	0.0000	5.55	0.0000		
0.40	0.0263	3.00	0.0000	5.60	0.0000		
0.45	0.0131	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 4S: Block A/B Controlled

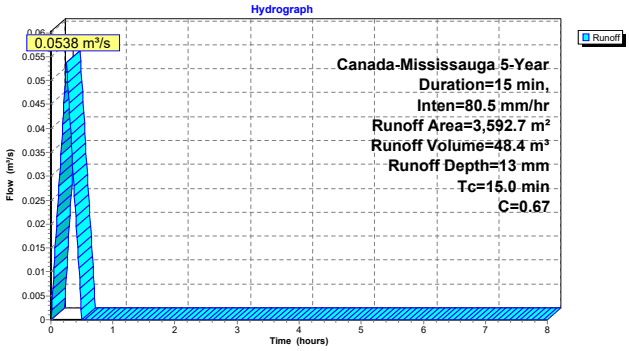
Runoff = 0.0538 m³/s @ 0.25 hrs, Volume= 48.4 m³, Depth= 13 mm
Routed to Pond 5P : A/B Cistern

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 5-Year Duration=15 min, Inten=80.5 mm/hr

Area (m²)	C	Description
1,468.6	0.90	Roof Area
876.5	0.90	Impervious At-Grade
1,185.6	0.25	Softscape
62.0	0.25	External
3,592.7	0.67	Weighted Average
3,592.7		100.00% Pervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 4S: Block A/B Controlled



Hydrograph for Subcatchment 4S: Block A/B Controlled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0108	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0215	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0323	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0431	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0538**	2.85	0.0000	5.45	0.0000		
0.30	0.0431	2.90	0.0000	5.50	0.0000		
0.35	0.0323	2.95	0.0000	5.55	0.0000		
0.40	0.0215	3.00	0.0000	5.60	0.0000		
0.45	0.0108	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 10S: A/B Uncontrolled

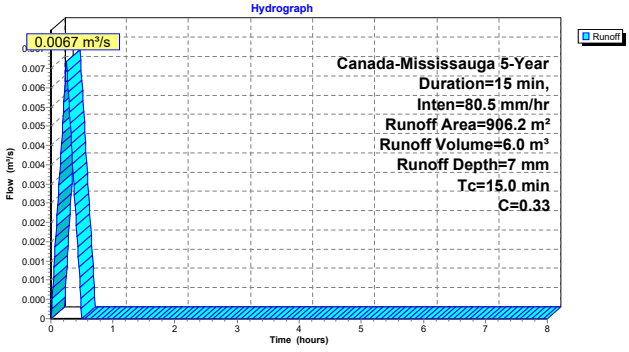
Runoff = 0.0067 m³/s @ 0.25 hrs, Volume= 6.0 m³, Depth= 7 mm
Routed to Link 6L : Bloor St W

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 5-Year Duration=15 min, Inten=80.5 mm/hr

Area (m²)	C	Description
109.4	0.90	Impervious
796.8	0.25	Softscape
906.2	0.33	Weighted Average
906.2		100.00% Pervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 10S: A/B Uncontrolled



Hydrograph for Subcatchment 10S: A/B Uncontrolled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0013	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0027	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0040	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0054	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0067**	2.85	0.0000	5.45	0.0000		
0.30	0.0054	2.90	0.0000	5.50	0.0000		
0.35	0.0040	2.95	0.0000	5.55	0.0000		
0.40	0.0027	3.00	0.0000	5.60	0.0000		
0.45	0.0013	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 11S: C/D Uncontrolled

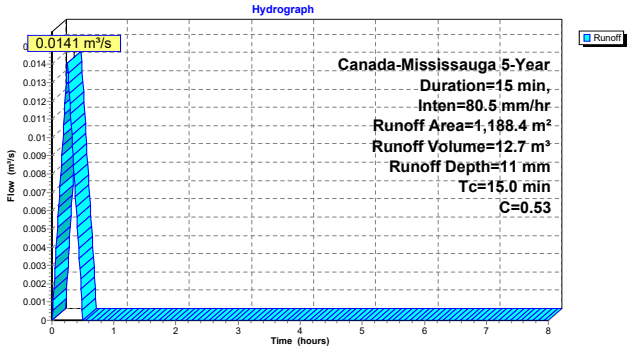
Runoff = 0.0141 m³/s @ 0.25 hrs, Volume= 12.7 m³, Depth= 11 mm
Routed to Link 3L : Riverspray Cres

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 5-Year Duration=15 min, Inten=80.5 mm/hr

Area (m²)	C	Description
505.3	0.90	Impervious
683.1	0.25	Softscape
1,188.4	0.53	Weighted Average
1,188.4		100.00% Pervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 11S: C/D Uncontrolled



Hydrograph for Subcatchment 11S: C/D Uncontrolled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0028	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0056	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0085	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0113	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0141**	2.85	0.0000	5.45	0.0000		
0.30	0.0113	2.90	0.0000	5.50	0.0000		
0.35	0.0085	2.95	0.0000	5.55	0.0000		
0.40	0.0056	3.00	0.0000	5.60	0.0000		
0.45	0.0028	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Pond 2P: C/D Cistern

Inflow Area = 3,972.4 m², 0.00% Impervious, Inflow Depth > 16 mm for 5-Year event
Inflow = 0.0658 m³/s @ 0.25 hrs, Volume= 62.1 m³
Outflow = 0.0075 m³/s @ 0.08 hrs, Volume= 62.0 m³, Atten= 89%, Lag= 0.0 min
Primary = 0.0075 m³/s @ 0.08 hrs, Volume= 62.0 m³
Routed to Link 3L : Riverspray Cres

Routing by Stor-Ind method, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Peak Elev= 0.176 m @ 0.47 hrs Surf.Area= 270.3 m² Storage= 47.5 m³

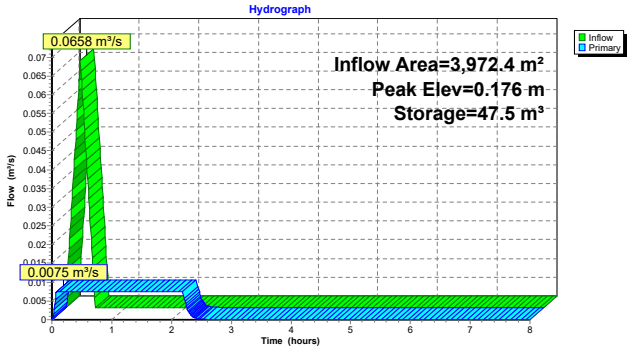
Plug-Flow detention time= 52.1 min calculated for 62.0 m³ (100% of inflow)
Center-of-Mass det. time= 51.9 min (77.4 - 25.5)

Volume	Invert	Avail.Storage	Storage Description
#1	0.000 m	178.4 m³	**1.00 mW x 281.60 mL x 0.66 mH Prismatoid**x 0.96

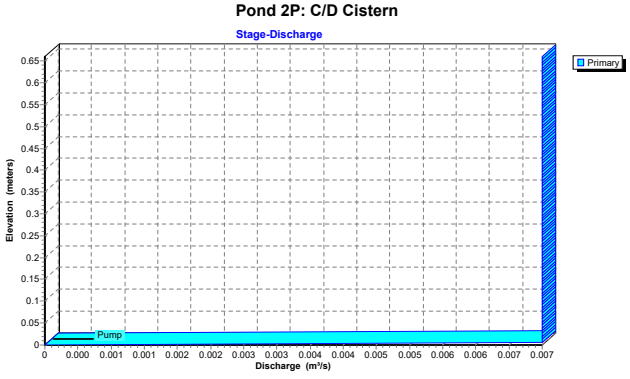
Device	Routing	Invert	Outlet Devices
#1	Primary	0.000 m	**Pump** Discharges@0.000 m Flow (l/min)= 449.9 450.0 Head (meters)= 0.660 0.000

Primary OutFlow Max=0.0075 m³/s @ 0.08 hrs HW=0.008 m (Free Discharge)
↑—**1=Pump** (Pump Controls 0.0075 m³/s)

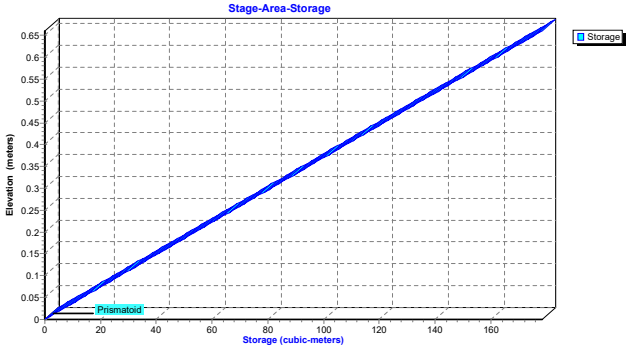
Pond 2P: C/D Cistern



Pond 2P: C/D Cistern



Pond 2P: C/D Cistern



Hydrograph for Pond 2P: C/D Cistern

Time (hours)	Inflow (m³/s)	Storage (cubic-meters)	Elevation (meters)	Primary (m³/s)
0.00	0.0001	0.0	0.000	**0.0000**
0.20	**0.0527**	14.8	0.055	**0.0075**
0.40	**0.0264**	**45.0**	**0.167**	0.0075
0.60	0.0001	**44.4**	**0.164**	0.0075
0.80	0.0001	39.1	0.145	0.0075
1.00	0.0001	33.8	0.125	0.0075
1.20	0.0001	28.4	0.105	0.0075
1.40	0.0001	23.1	0.086	0.0075
1.60	0.0001	17.8	0.066	0.0075
1.80	0.0001	12.5	0.046	0.0075
2.00	0.0001	7.1	0.026	0.0075
2.20	0.0001	1.8	0.007	0.0075
2.40	0.0001	0.1	0.000	0.0005
2.60	0.0001	0.0	0.000	0.0001
2.80	0.0001	0.0	0.000	0.0001
3.00	0.0001	0.0	0.000	0.0001
3.20	0.0001	0.0	0.000	0.0001
3.40	0.0001	0.0	0.000	0.0001
3.60	0.0001	0.0	0.000	0.0001
3.80	0.0001	0.0	0.000	0.0001
4.00	0.0001	0.0	0.000	0.0001
4.20	0.0001	0.0	0.000	0.0001
4.40	0.0001	0.0	0.000	0.0001
4.60	0.0001	0.0	0.000	0.0001
4.80	0.0001	0.0	0.000	0.0001
5.00	0.0001	0.0	0.000	0.0001
5.20	0.0001	0.0	0.000	0.0001
5.40	0.0001	0.0	0.000	0.0001
5.60	0.0001	0.0	0.000	0.0001
5.80	0.0001	0.0	0.000	0.0001
6.00	0.0001	0.0	0.000	0.0001
6.20	0.0001	0.0	0.000	0.0001
6.40	0.0001	0.0	0.000	0.0001
6.60	0.0001	0.0	0.000	0.0001
6.80	0.0001	0.0	0.000	0.0001
7.00	0.0001	0.0	0.000	0.0001
7.20	0.0001	0.0	0.000	0.0001
7.40	0.0001	0.0	0.000	0.0001
7.60	0.0001	0.0	0.000	0.0001
7.80	0.0001	0.0	0.000	0.0001
8.00	0.0001	0.0	0.000	0.0001

Stage-Discharge for Pond 2P: C/D Cistern

Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)
0.000	**0.0000**	0.260	0.0075	0.520	0.0075
0.005	**0.0075**	0.265	0.0075	0.525	0.0075
0.010	0.0075	0.270	0.0075	0.530	0.0075
0.015	0.0075	0.275	0.0075	0.535	0.0075
0.020	0.0075	0.280	0.0075	0.540	0.0075
0.025	0.0075	0.285	0.0075	0.545	0.0075
0.030	0.0075	0.290	0.0075	0.550	0.0075
0.035	0.0075	0.295	0.0075	0.555	0.0075
0.040	0.0075	0.300	0.0075	0.560	0.0075
0.045	0.0075	0.305	0.0075	0.565	0.0075
0.050	0.0075	0.310	0.0075	0.570	0.0075
0.055	0.0075	0.315	0.0075	0.575	0.0075
0.060	0.0075	0.320	0.0075	0.580	0.0075
0.065	0.0075	0.325	0.0075	0.585	0.0075
0.070	0.0075	0.330	0.0075	0.590	0.0075
0.075	0.0075	0.335	0.0075	0.595	0.0075
0.080	0.0075	0.340	0.0075	0.600	0.0075
0.085	0.0075	0.345	0.0075	0.605	0.0075
0.090	0.0075	0.350	0.0075	0.610	0.0075
0.095	0.0075	0.355	0.0075	0.615	0.0075
0.100	0.0075	0.360	0.0075	0.620	0.0075
0.105	0.0075	0.365	0.0075	0.625	0.0075
0.110	0.0075	0.370	0.0075	0.630	0.0075
0.115	0.0075	0.375	0.0075	0.635	0.0075
0.120	0.0075	0.380	0.0075	0.640	0.0075
0.125	0.0075	0.385	0.0075	0.645	0.0075
0.130	0.0075	0.390	0.0075	0.650	0.0075
0.135	0.0075	0.395	0.0075	0.655	0.0075
0.140	0.0075	0.400	0.0075	0.660	0.0075
0.145	0.0075	0.405	0.0075		
0.150	0.0075	0.410	0.0075		
0.155	0.0075	0.415	0.0075		
0.160	0.0075	0.420	0.0075		
0.165	0.0075	0.425	0.0075		
0.170	0.0075	0.430	0.0075		
0.175	0.0075	0.435	0.0075		
0.180	0.0075	0.440	0.0075		
0.185	0.0075	0.445	0.0075		
0.190	0.0075	0.450	0.0075		
0.195	0.0075	0.455	0.0075		
0.200	0.0075	0.460	0.0075		
0.205	0.0075	0.465	0.0075		
0.210	0.0075	0.470	0.0075		
0.215	0.0075	0.475	0.0075		
0.220	0.0075	0.480	0.0075		
0.225	0.0075	0.485	0.0075		
0.230	0.0075	0.490	0.0075		
0.235	0.0075	0.495	0.0075		
0.240	0.0075	0.500	0.0075		
0.245	0.0075	0.505	0.0075		
0.250	0.0075	0.510	0.0075		
0.255	0.0075	0.515	0.0075		

Stage-Area-Storage for Pond 2P: C/D Cistern

Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)
0.000	0.0	0.260	70.3	0.520	140.6
0.005	1.4	0.265	71.6	0.525	141.9
0.010	2.7	0.270	73.0	0.530	143.3
0.015	4.1	0.275	74.3	0.535	144.6
0.020	5.4	0.280	75.7	0.540	146.0
0.025	6.8	0.285	77.0	0.545	147.3
0.030	8.1	0.290	78.4	0.550	148.7
0.035	9.5	0.295	79.7	0.555	150.0
0.040	10.8	0.300	81.1	0.560	151.4
0.045	12.2	0.305	82.5	0.565	152.7
0.050	13.5	0.310	83.8	0.570	154.1
0.055	14.9	0.315	85.2	0.575	155.4
0.060	16.2	0.320	86.5	0.580	156.8
0.065	17.6	0.325	87.9	0.585	158.1
0.070	18.9	0.330	89.2	0.590	159.5
0.075	20.3	0.335	90.6	0.595	160.8
0.080	21.6	0.340	91.9	0.600	162.2
0.085	23.0	0.345	93.3	0.605	163.6
0.090	24.3	0.350	94.6	0.610	164.9
0.095	25.7	0.355	96.0	0.615	166.3
0.100	27.0	0.360	97.3	0.620	167.6
0.105	28.4	0.365	98.7	0.625	169.0
0.110	29.7	0.370	100.0	0.630	170.3
0.115	31.1	0.375	101.4	0.635	171.7
0.120	32.4	0.380	102.7	0.640	173.0
0.125	33.8	0.385	104.1	0.645	174.4
0.130	35.1	0.390	105.4	0.650	175.7
0.135	36.5	0.395	106.8	0.655	177.1
0.140	37.8	0.400	108.1	0.660	**178.4**
0.145	39.2	0.405	109.5		
0.150	40.6	0.410	110.8		
0.155	41.9	0.415	112.2		
0.160	43.3	0.420	113.5		
0.165	44.6	0.425	114.9		
0.170	46.0	0.430	116.2		
0.175	47.3	0.435	117.6		
0.180	48.7	0.440	118.9		
0.185	50.0	0.445	120.3		
0.190	51.4	0.450	121.7		
0.195	52.7	0.455	123.0		
0.200	54.1	0.460	124.4		
0.205	55.4	0.465	125.7		
0.210	56.8	0.470	127.1		
0.215	58.1	0.475	128.4		
0.220	59.5	0.480	129.8		
0.225	60.8	0.485	131.1		
0.230	62.2	0.490	132.5		
0.235	63.5	0.495	133.8		
0.240	64.9	0.500	135.2		
0.245	66.2	0.505	136.5		
0.250	67.6	0.510	137.9		
0.255	68.9	0.515	139.2		

Summary for Pond 5P: A/B Cistern

Inflow Area = 3,592.7 m², 0.00% Impervious, Inflow Depth > 14 mm for 5-Year event
Inflow = 0.0539 m³/s @ 0.25 hrs, Volume= 51.3 m³
Outflow = 0.0150 m³/s @ 0.10 hrs, Volume= 51.3 m³, Atten= 72%, Lag= 0.0 min
Primary = 0.0150 m³/s @ 0.10 hrs, Volume= 51.3 m³
Routed to Link 6L : Bloor St W

Routing by Stor-Ind method, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Peak Elev= 0.304 m @ 0.43 hrs Surf.Area= 86.6 m² Storage= 26.3 m³

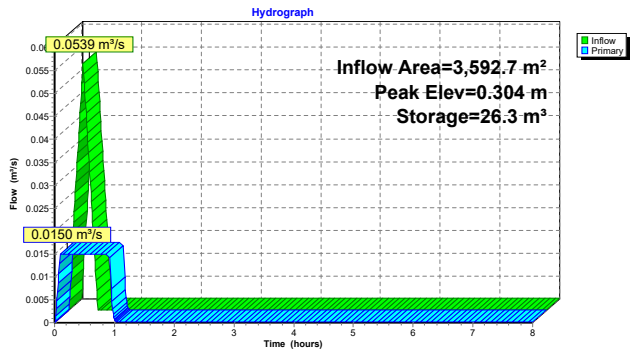
Plug-Flow detention time= 14.5 min calculated for 51.3 m³ (100% of inflow)
Center-of-Mass det. time= 14.4 min (42.0 - 27.6)

Volume	Invert	Avail.Storage	Storage Description
#1	0.000 m	114.4 m³	**1.00 mW x 90.24 mL x 1.32 mH Prismatoid**x 0.96

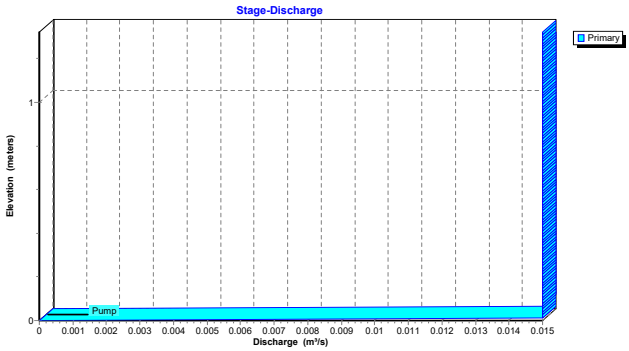
Device	Routing	Invert	Outlet Devices
#1	Primary	0.000 m	**Pump** Discharges@0.000 m Flow (l/min)= 899.9 900.0 Head (meters)= 1.320 0.000

Primary OutFlow Max=0.0150 m³/s @ 0.10 hrs HW=0.015 m (Free Discharge)
↑**1=Pump** (Pump Controls 0.0150 m³/s)

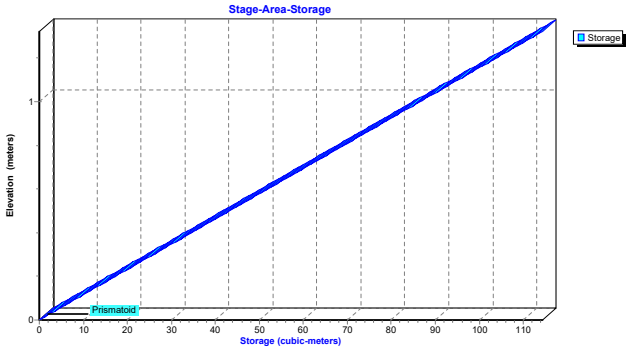
Pond 5P: A/B Cistern



Pond 5P: A/B Cistern



Pond 5P: A/B Cistern



Hydrograph for Pond 5P: A/B Cistern

Time (hours)	Inflow (m³/s)	Storage (cubic-meters)	Elevation (meters)	Primary (m³/s)
0.00	0.0001	0.0	0.000	**0.0000**
0.20	**0.0432**	7.6	0.088	**0.0150**
0.40	**0.0216**	**25.9**	**0.300**	0.0150
0.60	0.0001	**19.1**	**0.220**	0.0150
0.80	0.0001	8.4	0.097	0.0150
1.00	0.0001	0.1	0.001	0.0008
1.20	0.0001	0.0	0.000	0.0001
1.40	0.0001	0.0	0.000	0.0001
1.60	0.0001	0.0	0.000	0.0001
1.80	0.0001	0.0	0.000	0.0001
2.00	0.0001	0.0	0.000	0.0001
2.20	0.0001	0.0	0.000	0.0001
2.40	0.0001	0.0	0.000	0.0001
2.60	0.0001	0.0	0.000	0.0001
2.80	0.0001	0.0	0.000	0.0001
3.00	0.0001	0.0	0.000	0.0001
3.20	0.0001	0.0	0.000	0.0001
3.40	0.0001	0.0	0.000	0.0001
3.60	0.0001	0.0	0.000	0.0001
3.80	0.0001	0.0	0.000	0.0001
4.00	0.0001	0.0	0.000	0.0001
4.20	0.0001	0.0	0.000	0.0001
4.40	0.0001	0.0	0.000	0.0001
4.60	0.0001	0.0	0.000	0.0001
4.80	0.0001	0.0	0.000	0.0001
5.00	0.0001	0.0	0.000	0.0001
5.20	0.0001	0.0	0.000	0.0001
5.40	0.0001	0.0	0.000	0.0001
5.60	0.0001	0.0	0.000	0.0001
5.80	0.0001	0.0	0.000	0.0001
6.00	0.0001	0.0	0.000	0.0001
6.20	0.0001	0.0	0.000	0.0001
6.40	0.0001	0.0	0.000	0.0001
6.60	0.0001	0.0	0.000	0.0001
6.80	0.0001	0.0	0.000	0.0001
7.00	0.0001	0.0	0.000	0.0001
7.20	0.0001	0.0	0.000	0.0001
7.40	0.0001	0.0	0.000	0.0001
7.60	0.0001	0.0	0.000	0.0001
7.80	0.0001	0.0	0.000	0.0001
8.00	0.0001	0.0	0.000	0.0001

Stage-Discharge for Pond 5P: A/B Cistern

Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)
0.000	**0.0000**	0.520	0.0150	1.040	0.0150
0.010	**0.0150**	0.530	0.0150	1.050	0.0150
0.020	0.0150	0.540	0.0150	1.060	0.0150
0.030	0.0150	0.550	0.0150	1.070	0.0150
0.040	0.0150	0.560	0.0150	1.080	0.0150
0.050	0.0150	0.570	0.0150	1.090	0.0150
0.060	0.0150	0.580	0.0150	1.100	0.0150
0.070	0.0150	0.590	0.0150	1.110	0.0150
0.080	0.0150	0.600	0.0150	1.120	0.0150
0.090	0.0150	0.610	0.0150	1.130	0.0150
0.100	0.0150	0.620	0.0150	1.140	0.0150
0.110	0.0150	0.630	0.0150	1.150	0.0150
0.120	0.0150	0.640	0.0150	1.160	0.0150
0.130	0.0150	0.650	0.0150	1.170	0.0150
0.140	0.0150	0.660	0.0150	1.180	0.0150
0.150	0.0150	0.670	0.0150	1.190	0.0150
0.160	0.0150	0.680	0.0150	1.200	0.0150
0.170	0.0150	0.690	0.0150	1.210	0.0150
0.180	0.0150	0.700	0.0150	1.220	0.0150
0.190	0.0150	0.710	0.0150	1.230	0.0150
0.200	0.0150	0.720	0.0150	1.240	0.0150
0.210	0.0150	0.730	0.0150	1.250	0.0150
0.220	0.0150	0.740	0.0150	1.260	0.0150
0.230	0.0150	0.750	0.0150	1.270	0.0150
0.240	0.0150	0.760	0.0150	1.280	0.0150
0.250	0.0150	0.770	0.0150	1.290	0.0150
0.260	0.0150	0.780	0.0150	1.300	0.0150
0.270	0.0150	0.790	0.0150	1.310	0.0150
0.280	0.0150	0.800	0.0150	1.320	0.0150
0.290	0.0150	0.810	0.0150		
0.300	0.0150	0.820	0.0150		
0.310	0.0150	0.830	0.0150		
0.320	0.0150	0.840	0.0150		
0.330	0.0150	0.850	0.0150		
0.340	0.0150	0.860	0.0150		
0.350	0.0150	0.870	0.0150		
0.360	0.0150	0.880	0.0150		
0.370	0.0150	0.890	0.0150		
0.380	0.0150	0.900	0.0150		
0.390	0.0150	0.910	0.0150		
0.400	0.0150	0.920	0.0150		
0.410	0.0150	0.930	0.0150		
0.420	0.0150	0.940	0.0150		
0.430	0.0150	0.950	0.0150		
0.440	0.0150	0.960	0.0150		
0.450	0.0150	0.970	0.0150		
0.460	0.0150	0.980	0.0150		
0.470	0.0150	0.990	0.0150		
0.480	0.0150	1.000	0.0150		
0.490	0.0150	1.010	0.0150		
0.500	0.0150	1.020	0.0150		
0.510	0.0150	1.030	0.0150		

Stage-Area-Storage for Pond 5P: A/B Cistern

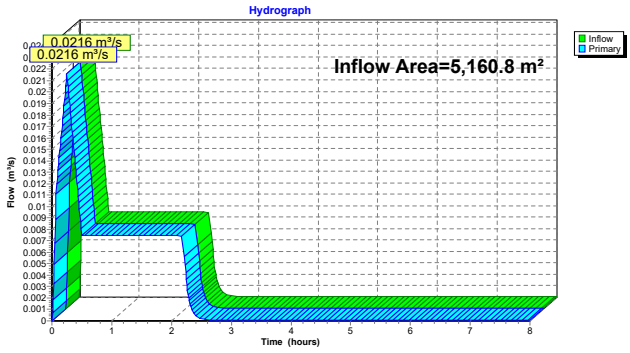
Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)
0.000	0.0	0.520	45.0	1.040	90.1
0.010	0.9	0.530	45.9	1.050	91.0
0.020	1.7	0.540	46.8	1.060	91.8
0.030	2.6	0.550	47.6	1.070	92.7
0.040	3.5	0.560	48.5	1.080	93.6
0.050	4.3	0.570	49.4	1.090	94.4
0.060	5.2	0.580	50.2	1.100	95.3
0.070	6.1	0.590	51.1	1.110	96.2
0.080	6.9	0.600	52.0	1.120	97.0
0.090	7.8	0.610	52.8	1.130	97.9
0.100	8.7	0.620	53.7	1.140	98.8
0.110	9.5	0.630	54.6	1.150	99.6
0.120	10.4	0.640	55.4	1.160	100.5
0.130	11.3	0.650	56.3	1.170	101.4
0.140	12.1	0.660	57.2	1.180	102.2
0.150	13.0	0.670	58.0	1.190	103.1
0.160	13.9	0.680	58.9	1.200	104.0
0.170	14.7	0.690	59.8	1.210	104.8
0.180	15.6	0.700	60.6	1.220	105.7
0.190	16.5	0.710	61.5	1.230	106.6
0.200	17.3	0.720	62.4	1.240	107.4
0.210	18.2	0.730	63.2	1.250	108.3
0.220	19.1	0.740	64.1	1.260	109.2
0.230	19.9	0.750	65.0	1.270	110.0
0.240	20.8	0.760	65.8	1.280	110.9
0.250	21.7	0.770	66.7	1.290	111.8
0.260	22.5	0.780	67.6	1.300	112.6
0.270	23.4	0.790	68.4	1.310	113.5
0.280	24.3	0.800	69.3	1.320	**114.4**
0.290	25.1	0.810	70.2		
0.300	26.0	0.820	71.0		
0.310	26.9	0.830	71.9		
0.320	27.7	0.840	72.8		
0.330	28.6	0.850	73.6		
0.340	29.5	0.860	74.5		
0.350	30.3	0.870	75.4		
0.360	31.2	0.880	76.2		
0.370	32.1	0.890	77.1		
0.380	32.9	0.900	78.0		
0.390	33.8	0.910	78.8		
0.400	34.7	0.920	79.7		
0.410	35.5	0.930	80.6		
0.420	36.4	0.940	81.4		
0.430	37.3	0.950	82.3		
0.440	38.1	0.960	83.2		
0.450	39.0	0.970	84.0		
0.460	39.8	0.980	84.9		
0.470	40.7	0.990	85.8		
0.480	41.6	1.000	86.6		
0.490	42.4	1.010	87.5		
0.500	43.3	1.020	88.4		
0.510	44.2	1.030	89.2		

Summary for Link 3L: Riverspray Cres

Inflow Area = 5,160.8 m², 0.00% Impervious, Inflow Depth > 14 mm for 5-Year event
Inflow = 0.0216 m³/s @ 0.25 hrs, Volume= 74.7 m³
Primary = 0.0216 m³/s @ 0.25 hrs, Volume= 74.7 m³, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

Link 3L: Riverspray Cres



Hydrograph for Link 3L: Riverspray Cres

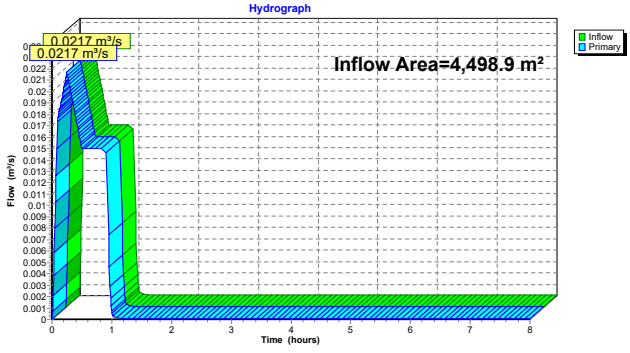
Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	0.0000	**0.000**	0.0000	5.20	0.0001	0.000	0.0001
0.10	0.0131	0.000	0.0131	5.30	0.0001	0.000	0.0001
0.20	**0.0188**	0.000	**0.0188**	5.40	0.0001	0.000	0.0001
0.30	**0.0188**	0.000	**0.0188**	5.50	0.0001	0.000	0.0001
0.40	0.0131	0.000	0.0131	5.60	0.0001	0.000	0.0001
0.50	0.0075	0.000	0.0075	5.70	0.0001	0.000	0.0001
0.60	0.0075	0.000	0.0075	5.80	0.0001	0.000	0.0001
0.70	0.0075	0.000	0.0075	5.90	0.0001	0.000	0.0001
0.80	0.0075	0.000	0.0075	6.00	0.0001	0.000	0.0001
0.90	0.0075	0.000	0.0075	6.10	0.0001	0.000	0.0001
1.00	0.0075	0.000	0.0075	6.20	0.0001	0.000	0.0001
1.10	0.0075	0.000	0.0075	6.30	0.0001	0.000	0.0001
1.20	0.0075	0.000	0.0075	6.40	0.0001	0.000	0.0001
1.30	0.0075	0.000	0.0075	6.50	0.0001	0.000	0.0001
1.40	0.0075	0.000	0.0075	6.60	0.0001	0.000	0.0001
1.50	0.0075	0.000	0.0075	6.70	0.0001	0.000	0.0001
1.60	0.0075	0.000	0.0075	6.80	0.0001	0.000	0.0001
1.70	0.0075	0.000	0.0075	6.90	0.0001	0.000	0.0001
1.80	0.0075	0.000	0.0075	7.00	0.0001	0.000	0.0001
1.90	0.0075	0.000	0.0075	7.10	0.0001	0.000	0.0001
2.00	0.0075	0.000	0.0075	7.20	0.0001	0.000	0.0001
2.10	0.0075	0.000	0.0075	7.30	0.0001	0.000	0.0001
2.20	0.0075	0.000	0.0075	7.40	0.0001	0.000	0.0001
2.30	0.0017	0.000	0.0017	7.50	0.0001	0.000	0.0001
2.40	0.0005	0.000	0.0005	7.60	0.0001	0.000	0.0001
2.50	0.0002	0.000	0.0002	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

Summary for Link 6L: Bloor St W

Inflow Area = 4,498.9 m², 0.00% Impervious, Inflow Depth > 13 mm for 5-Year event
Inflow = 0.0217 m³/s @ 0.25 hrs, Volume= 57.3 m³
Primary = 0.0217 m³/s @ 0.25 hrs, Volume= 57.3 m³, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

Link 6L: Bloor St W



Hydrograph for Link 6L: Bloor St W

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	0.0000	**0.000**	0.0000	5.20	0.0001	0.000	0.0001
0.10	0.0177	0.000	0.0177	5.30	0.0001	0.000	0.0001
0.20	**0.0204**	0.000	**0.0204**	5.40	0.0001	0.000	0.0001
0.30	**0.0204**	0.000	**0.0204**	5.50	0.0001	0.000	0.0001
0.40	0.0177	0.000	0.0177	5.60	0.0001	0.000	0.0001
0.50	0.0150	0.000	0.0150	5.70	0.0001	0.000	0.0001
0.60	0.0150	0.000	0.0150	5.80	0.0001	0.000	0.0001
0.70	0.0150	0.000	0.0150	5.90	0.0001	0.000	0.0001
0.80	0.0150	0.000	0.0150	6.00	0.0001	0.000	0.0001
0.90	0.0150	0.000	0.0150	6.10	0.0001	0.000	0.0001
1.00	0.0008	0.000	0.0008	6.20	0.0001	0.000	0.0001
1.10	0.0001	0.000	0.0001	6.30	0.0001	0.000	0.0001
1.20	0.0001	0.000	0.0001	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

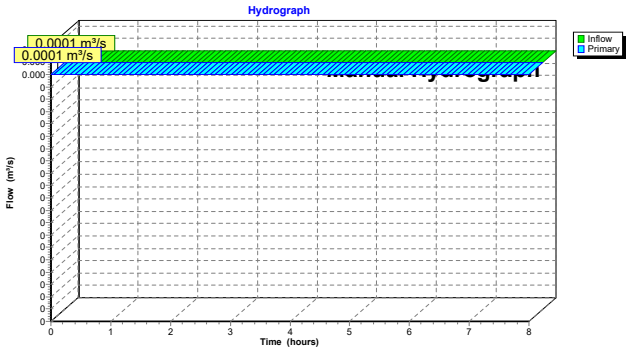
Summary for Link 10L: Groundwater

Inflow = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³
Primary = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³, Atten= 0%, Lag= 0.0 min
Routed to Pond 5P : A/B Cistern

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

9 Point manual hydrograph, To= 0.00 hrs, dt= 1.00 hrs, m³/s =
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001

Link 10L: Groundwater



Hydrograph for Link 10L: Groundwater

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	**0.0001**	**0.000**	**0.0001**	5.20	0.0001	0.000	0.0001
0.10	0.0001	0.000	0.0001	5.30	0.0001	0.000	0.0001
0.20	0.0001	0.000	0.0001	5.40	0.0001	0.000	0.0001
0.30	0.0001	0.000	0.0001	5.50	0.0001	0.000	0.0001
0.40	0.0001	0.000	0.0001	5.60	0.0001	0.000	0.0001
0.50	0.0001	0.000	0.0001	5.70	0.0001	0.000	0.0001
0.60	0.0001	0.000	0.0001	5.80	0.0001	0.000	0.0001
0.70	0.0001	0.000	0.0001	5.90	0.0001	0.000	0.0001
0.80	0.0001	0.000	0.0001	6.00	0.0001	0.000	0.0001
0.90	0.0001	0.000	0.0001	6.10	0.0001	0.000	0.0001
1.00	0.0001	0.000	0.0001	6.20	0.0001	0.000	0.0001
1.10	0.0001	0.000	0.0001	6.30	0.0001	0.000	0.0001
1.20	0.0001	0.000	0.0001	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

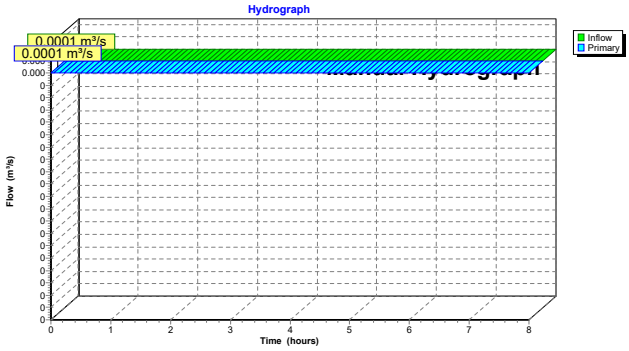
Summary for Link 11L: Groundwater

Inflow = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³
Primary = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³, Atten= 0%, Lag= 0.0 min
Routed to Pond 2P : C/D Cistern

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

9 Point manual hydrograph, To= 0.00 hrs, dt= 1.00 hrs, m³/s =
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001

Link 11L: Groundwater



Hydrograph for Link 11L: Groundwater

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	**0.0001**	**0.000**	**0.0001**	5.20	0.0001	0.000	0.0001
0.10	0.0001	0.000	0.0001	5.30	0.0001	0.000	0.0001
0.20	0.0001	0.000	0.0001	5.40	0.0001	0.000	0.0001
0.30	0.0001	0.000	0.0001	5.50	0.0001	0.000	0.0001
0.40	0.0001	0.000	0.0001	5.60	0.0001	0.000	0.0001
0.50	0.0001	0.000	0.0001	5.70	0.0001	0.000	0.0001
0.60	0.0001	0.000	0.0001	5.80	0.0001	0.000	0.0001
0.70	0.0001	0.000	0.0001	5.90	0.0001	0.000	0.0001
0.80	0.0001	0.000	0.0001	6.00	0.0001	0.000	0.0001
0.90	0.0001	0.000	0.0001	6.10	0.0001	0.000	0.0001
1.00	0.0001	0.000	0.0001	6.20	0.0001	0.000	0.0001
1.10	0.0001	0.000	0.0001	6.30	0.0001	0.000	0.0001
1.20	0.0001	0.000	0.0001	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

Time span=0.00-8.00 hrs, dt=0.01 hrs, 801 points
Runoff by Rational method, Rise/Fall=1.0/1.0 xTc
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: Block C/D Controlled Runoff Area=3,972.4 m² 0.00% Impervious Runoff Depth=18 mm
Tc=15.0 min C=0.74 Runoff=0.0810 m³/s 72.9 m³

Subcatchment4S: Block A/B Controlled Runoff Area=3,592.7 m² 0.00% Impervious Runoff Depth=17 mm
Tc=15.0 min C=0.67 Runoff=0.0663 m³/s 59.7 m³

Subcatchment10S: A/B Uncontrolled Runoff Area=906.2 m² 0.00% Impervious Runoff Depth=8 mm
Tc=15.0 min C=0.33 Runoff=0.0082 m³/s 7.4 m³

Subcatchment11S: C/D Uncontrolled Runoff Area=1,188.4 m² 0.00% Impervious Runoff Depth=13 mm
Tc=15.0 min C=0.53 Runoff=0.0173 m³/s 15.6 m³

Pond 2P: C/D Cistern Peak Elev=0.226 m Storage=61.0 m³ Inflow=0.0811 m³/s 75.8 m³
Outflow=0.0075 m³/s 75.7 m³

Pond 5P: A/B Cistern Peak Elev=0.425 m Storage=36.8 m³ Inflow=0.0664 m³/s 62.6 m³
Outflow=0.0150 m³/s 62.6 m³

Link 3L: Riverspray Cres Inflow=0.0248 m³/s 91.4 m³
Primary=0.0248 m³/s 91.4 m³

Link 6L: Bloor St W Inflow=0.0232 m³/s 70.0 m³
Primary=0.0232 m³/s 70.0 m³

Link 10L: Groundwater Manual Hydrograph Inflow=0.0001 m³/s 2.9 m³
Primary=0.0001 m³/s 2.9 m³

Link 11L: Groundwater Manual Hydrograph Inflow=0.0001 m³/s 2.9 m³
Primary=0.0001 m³/s 2.9 m³

Total Runoff Area = 9,659.7 m² Runoff Volume = 155.6 m³ Average Runoff Depth = 16 mm
100.00% Pervious = 9,659.7 m² 0.00% Impervious = 0.0 m²

Summary for Subcatchment 1S: Block C/D Controlled

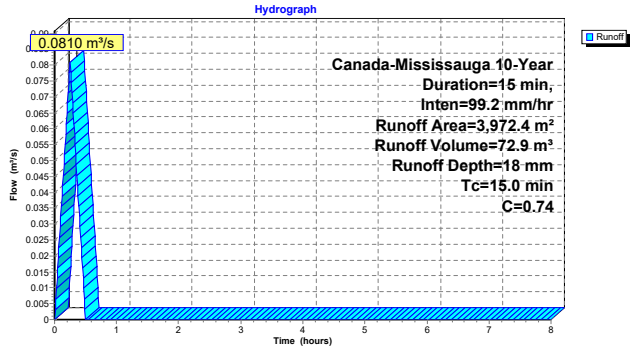
Runoff = 0.0810 m³/s @ 0.25 hrs, Volume= 72.9 m³, Depth= 18 mm
Routed to Pond 2P : C/D Cistern

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 10-Year Duration=15 min, Inten=99.2 mm/hr

Area (m²)	C	Description
1,952.9	0.90	Roof Area
1,048.9	0.90	Impervious At-Grade
970.6	0.25	Softscape
3,972.4	0.74	Weighted Average
3,972.4		100.00% Pervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 1S: Block C/D Controlled



Hydrograph for Subcatchment 1S: Block C/D Controlled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0162	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0324	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0486	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0648	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0810**	2.85	0.0000	5.45	0.0000		
0.30	0.0648	2.90	0.0000	5.50	0.0000		
0.35	0.0486	2.95	0.0000	5.55	0.0000		
0.40	0.0324	3.00	0.0000	5.60	0.0000		
0.45	0.0162	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 4S: Block A/B Controlled

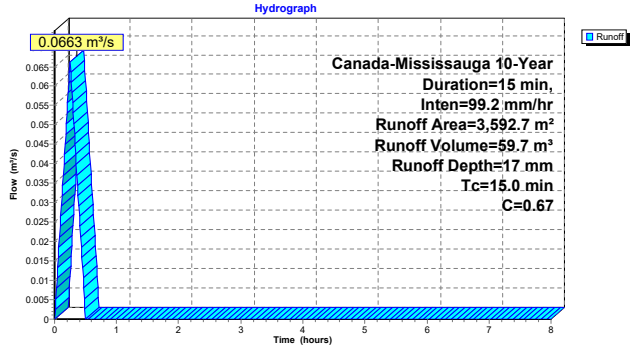
Runoff = 0.0663 m³/s @ 0.25 hrs, Volume= 59.7 m³, Depth= 17 mm
Routed to Pond 5P : A/B Cistern

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 10-Year Duration=15 min, Inten=99.2 mm/hr

Area (m²)	C	Description
1,468.6	0.90	Roof Area
876.5	0.90	Impervious At-Grade
1,185.6	0.25	Softscape
62.0	0.25	External
3,592.7	0.67	Weighted Average
3,592.7		100.00% Pervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 4S: Block A/B Controlled



Hydrograph for Subcatchment 4S: Block A/B Controlled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0133	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0265	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0398	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0530	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0663**	2.85	0.0000	5.45	0.0000		
0.30	0.0530	2.90	0.0000	5.50	0.0000		
0.35	0.0398	2.95	0.0000	5.55	0.0000		
0.40	0.0265	3.00	0.0000	5.60	0.0000		
0.45	0.0133	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 10S: A/B Uncontrolled

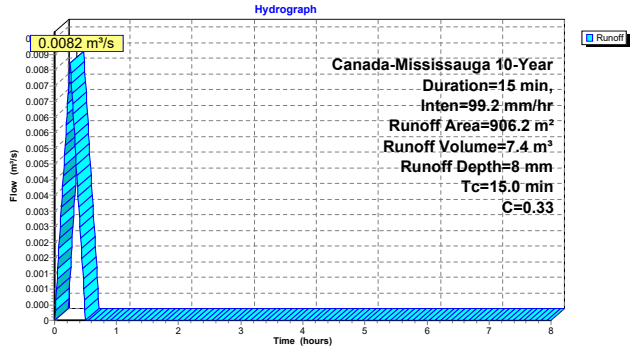
Runoff = 0.0082 m³/s @ 0.25 hrs, Volume= 7.4 m³, Depth= 8 mm
Routed to Link 6L : Bloor St W

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 10-Year Duration=15 min, Inten=99.2 mm/hr

Area (m²)	C	Description
109.4	0.90	Impervious
796.8	0.25	Softscape
906.2	0.33	Weighted Average
906.2		100.00% Pervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 10S: A/B Uncontrolled



Hydrograph for Subcatchment 10S: A/B Uncontrolled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0016	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0033	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0049	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0066	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0082**	2.85	0.0000	5.45	0.0000		
0.30	0.0066	2.90	0.0000	5.50	0.0000		
0.35	0.0049	2.95	0.0000	5.55	0.0000		
0.40	0.0033	3.00	0.0000	5.60	0.0000		
0.45	0.0016	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 11S: C/D Uncontrolled

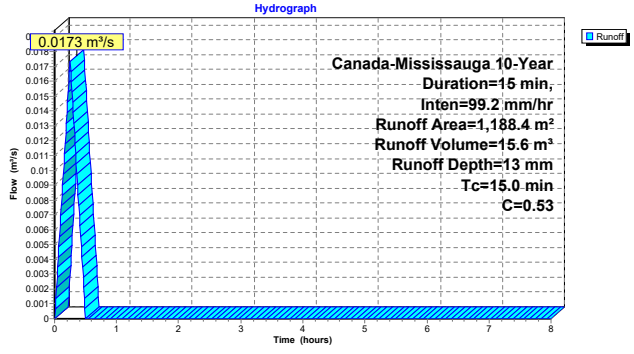
Runoff = 0.0173 m³/s @ 0.25 hrs, Volume= 15.6 m³, Depth= 13 mm
Routed to Link 3L : Riverspray Cres

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 10-Year Duration=15 min, Inten=99.2 mm/hr

Area (m²)	C	Description
505.3	0.90	Impervious
683.1	0.25	Softscape
1,188.4	0.53	Weighted Average
1,188.4		100.00% Pervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 11S: C/D Uncontrolled



Hydrograph for Subcatchment 11S: C/D Uncontrolled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0035	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0069	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0104	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0139	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0173**	2.85	0.0000	5.45	0.0000		
0.30	0.0139	2.90	0.0000	5.50	0.0000		
0.35	0.0104	2.95	0.0000	5.55	0.0000		
0.40	0.0069	3.00	0.0000	5.60	0.0000		
0.45	0.0035	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Pond 2P: C/D Cistern

Inflow Area = 3,972.4 m², 0.00% Impervious, Inflow Depth > 19 mm for 10-Year event
Inflow = 0.0811 m³/s @ 0.25 hrs, Volume= 75.8 m³
Outflow = 0.0075 m³/s @ 0.07 hrs, Volume= 75.7 m³, Atten= 91%, Lag= 0.0 min
Primary = 0.0075 m³/s @ 0.07 hrs, Volume= 75.7 m³
Routed to Link 3L : Riverspray Cres

Routing by Stor-Ind method, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Peak Elev= 0.226 m @ 0.48 hrs Surf.Area= 270.3 m² Storage= 61.0 m³

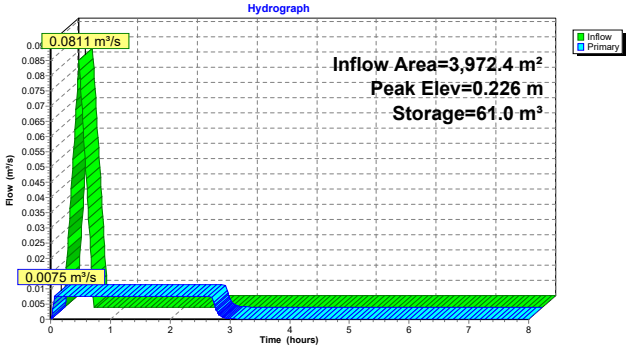
Plug-Flow detention time= 67.2 min calculated for 75.6 m³ (100% of inflow)
Center-of-Mass det. time= 66.9 min (90.5 - 23.6)

Volume	Invert	Avail.Storage	Storage Description
#1	0.000 m	178.4 m³	**1.00 mW x 281.60 mL x 0.66 mH Prismatoid**x 0.96

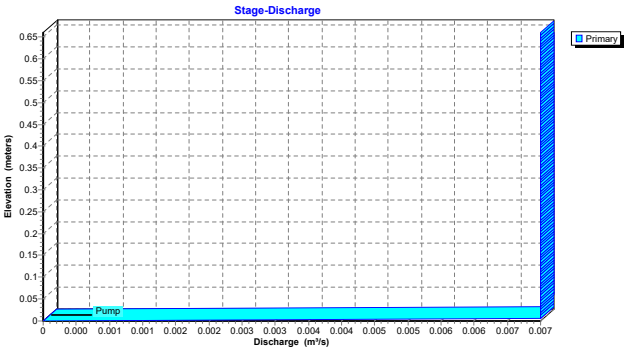
Device	Routing	Invert	Outlet Devices
#1	Primary	0.000 m	**Pump** Discharges@0.000 m Flow (l/min)= 449.9 450.0 Head (meters)= 0.660 0.000

Primary OutFlow Max=0.0075 m³/s @ 0.07 hrs HW=0.008 m (Free Discharge)
↑**1=Pump** (Pump Controls 0.0075 m³/s)

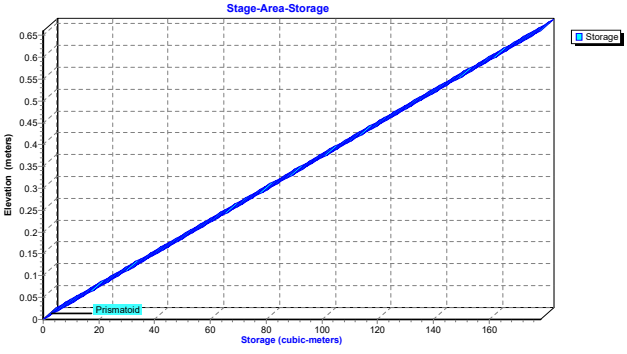
Pond 2P: C/D Cistern



Pond 2P: C/D Cistern



Pond 2P: C/D Cistern



Hydrograph for Pond 2P: C/D Cistern

Time (hours)	Inflow (m³/s)	Storage (cubic-meters)	Elevation (meters)	Primary (m³/s)
0.00	0.0001	0.0	0.000	**0.0000**
0.20	**0.0649**	19.1	0.071	**0.0075**
0.40	**0.0325**	**57.5**	**0.213**	0.0075
0.60	0.0001	**58.0**	**0.215**	0.0075
0.80	0.0001	52.7	0.195	0.0075
1.00	0.0001	47.3	0.175	0.0075
1.20	0.0001	42.0	0.155	0.0075
1.40	0.0001	36.7	0.136	0.0075
1.60	0.0001	31.4	0.116	0.0075
1.80	0.0001	26.0	0.096	0.0075
2.00	0.0001	20.7	0.077	0.0075
2.20	0.0001	15.4	0.057	0.0075
2.40	0.0001	10.1	0.037	0.0075
2.60	0.0001	4.7	0.017	0.0075
2.80	0.0001	0.5	0.002	0.0020
3.00	0.0001	0.0	0.000	0.0002
3.20	0.0001	0.0	0.000	0.0001
3.40	0.0001	0.0	0.000	0.0001
3.60	0.0001	0.0	0.000	0.0001
3.80	0.0001	0.0	0.000	0.0001
4.00	0.0001	0.0	0.000	0.0001
4.20	0.0001	0.0	0.000	0.0001
4.40	0.0001	0.0	0.000	0.0001
4.60	0.0001	0.0	0.000	0.0001
4.80	0.0001	0.0	0.000	0.0001
5.00	0.0001	0.0	0.000	0.0001
5.20	0.0001	0.0	0.000	0.0001
5.40	0.0001	0.0	0.000	0.0001
5.60	0.0001	0.0	0.000	0.0001
5.80	0.0001	0.0	0.000	0.0001
6.00	0.0001	0.0	0.000	0.0001
6.20	0.0001	0.0	0.000	0.0001
6.40	0.0001	0.0	0.000	0.0001
6.60	0.0001	0.0	0.000	0.0001
6.80	0.0001	0.0	0.000	0.0001
7.00	0.0001	0.0	0.000	0.0001
7.20	0.0001	0.0	0.000	0.0001
7.40	0.0001	0.0	0.000	0.0001
7.60	0.0001	0.0	0.000	0.0001
7.80	0.0001	0.0	0.000	0.0001
8.00	0.0001	0.0	0.000	0.0001

Stage-Discharge for Pond 2P: C/D Cistern

Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)
0.000	**0.0000**	0.260	0.0075	0.520	0.0075
0.005	**0.0075**	0.265	0.0075	0.525	0.0075
0.010	0.0075	0.270	0.0075	0.530	0.0075
0.015	0.0075	0.275	0.0075	0.535	0.0075
0.020	0.0075	0.280	0.0075	0.540	0.0075
0.025	0.0075	0.285	0.0075	0.545	0.0075
0.030	0.0075	0.290	0.0075	0.550	0.0075
0.035	0.0075	0.295	0.0075	0.555	0.0075
0.040	0.0075	0.300	0.0075	0.560	0.0075
0.045	0.0075	0.305	0.0075	0.565	0.0075
0.050	0.0075	0.310	0.0075	0.570	0.0075
0.055	0.0075	0.315	0.0075	0.575	0.0075
0.060	0.0075	0.320	0.0075	0.580	0.0075
0.065	0.0075	0.325	0.0075	0.585	0.0075
0.070	0.0075	0.330	0.0075	0.590	0.0075
0.075	0.0075	0.335	0.0075	0.595	0.0075
0.080	0.0075	0.340	0.0075	0.600	0.0075
0.085	0.0075	0.345	0.0075	0.605	0.0075
0.090	0.0075	0.350	0.0075	0.610	0.0075
0.095	0.0075	0.355	0.0075	0.615	0.0075
0.100	0.0075	0.360	0.0075	0.620	0.0075
0.105	0.0075	0.365	0.0075	0.625	0.0075
0.110	0.0075	0.370	0.0075	0.630	0.0075
0.115	0.0075	0.375	0.0075	0.635	0.0075
0.120	0.0075	0.380	0.0075	0.640	0.0075
0.125	0.0075	0.385	0.0075	0.645	0.0075
0.130	0.0075	0.390	0.0075	0.650	0.0075
0.135	0.0075	0.395	0.0075	0.655	0.0075
0.140	0.0075	0.400	0.0075	0.660	0.0075
0.145	0.0075	0.405	0.0075		
0.150	0.0075	0.410	0.0075		
0.155	0.0075	0.415	0.0075		
0.160	0.0075	0.420	0.0075		
0.165	0.0075	0.425	0.0075		
0.170	0.0075	0.430	0.0075		
0.175	0.0075	0.435	0.0075		
0.180	0.0075	0.440	0.0075		
0.185	0.0075	0.445	0.0075		
0.190	0.0075	0.450	0.0075		
0.195	0.0075	0.455	0.0075		
0.200	0.0075	0.460	0.0075		
0.205	0.0075	0.465	0.0075		
0.210	0.0075	0.470	0.0075		
0.215	0.0075	0.475	0.0075		
0.220	0.0075	0.480	0.0075		
0.225	0.0075	0.485	0.0075		
0.230	0.0075	0.490	0.0075		
0.235	0.0075	0.495	0.0075		
0.240	0.0075	0.500	0.0075		
0.245	0.0075	0.505	0.0075		
0.250	0.0075	0.510	0.0075		
0.255	0.0075	0.515	0.0075		

Stage-Area-Storage for Pond 2P: C/D Cistern

Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)
0.000	0.0	0.260	70.3	0.520	140.6
0.005	1.4	0.265	71.6	0.525	141.9
0.010	2.7	0.270	73.0	0.530	143.3
0.015	4.1	0.275	74.3	0.535	144.6
0.020	5.4	0.280	75.7	0.540	146.0
0.025	6.8	0.285	77.0	0.545	147.3
0.030	8.1	0.290	78.4	0.550	148.7
0.035	9.5	0.295	79.7	0.555	150.0
0.040	10.8	0.300	81.1	0.560	151.4
0.045	12.2	0.305	82.5	0.565	152.7
0.050	13.5	0.310	83.8	0.570	154.1
0.055	14.9	0.315	85.2	0.575	155.4
0.060	16.2	0.320	86.5	0.580	156.8
0.065	17.6	0.325	87.9	0.585	158.1
0.070	18.9	0.330	89.2	0.590	159.5
0.075	20.3	0.335	90.6	0.595	160.8
0.080	21.6	0.340	91.9	0.600	162.2
0.085	23.0	0.345	93.3	0.605	163.6
0.090	24.3	0.350	94.6	0.610	164.9
0.095	25.7	0.355	96.0	0.615	166.3
0.100	27.0	0.360	97.3	0.620	167.6
0.105	28.4	0.365	98.7	0.625	169.0
0.110	29.7	0.370	100.0	0.630	170.3
0.115	31.1	0.375	101.4	0.635	171.7
0.120	32.4	0.380	102.7	0.640	173.0
0.125	33.8	0.385	104.1	0.645	174.4
0.130	35.1	0.390	105.4	0.650	175.7
0.135	36.5	0.395	106.8	0.655	177.1
0.140	37.8	0.400	108.1	0.660	**178.4**
0.145	39.2	0.405	109.5		
0.150	40.6	0.410	110.8		
0.155	41.9	0.415	112.2		
0.160	43.3	0.420	113.5		
0.165	44.6	0.425	114.9		
0.170	46.0	0.430	116.2		
0.175	47.3	0.435	117.6		
0.180	48.7	0.440	118.9		
0.185	50.0	0.445	120.3		
0.190	51.4	0.450	121.7		
0.195	52.7	0.455	123.0		
0.200	54.1	0.460	124.4		
0.205	55.4	0.465	125.7		
0.210	56.8	0.470	127.1		
0.215	58.1	0.475	128.4		
0.220	59.5	0.480	129.8		
0.225	60.8	0.485	131.1		
0.230	62.2	0.490	132.5		
0.235	63.5	0.495	133.8		
0.240	64.9	0.500	135.2		
0.245	66.2	0.505	136.5		
0.250	67.6	0.510	137.9		
0.255	68.9	0.515	139.2		

Summary for Pond 5P: A/B Cistern

Inflow Area = 3,592.7 m², 0.00% Impervious, Inflow Depth > 17 mm for 10-Year event
Inflow = 0.0664 m³/s @ 0.25 hrs, Volume= 62.6 m³
Outflow = 0.0150 m³/s @ 0.08 hrs, Volume= 62.6 m³, Atten= 77%, Lag= 0.0 min
Primary = 0.0150 m³/s @ 0.08 hrs, Volume= 62.6 m³
Routed to Link 6L : Bloor St W

Routing by Stor-Ind method, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Peak Elev= 0.425 m @ 0.44 hrs Surf.Area= 86.6 m² Storage= 36.8 m³

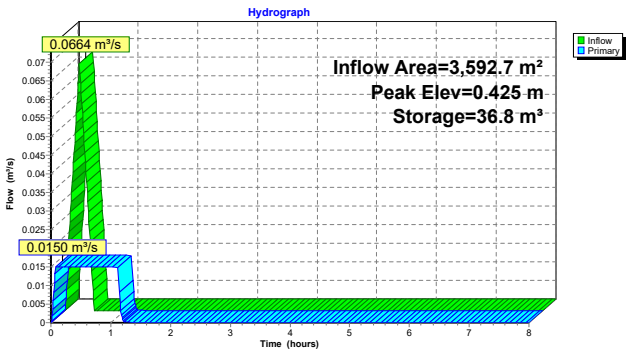
Plug-Flow detention time= 20.2 min calculated for 62.5 m³ (100% of inflow)
Center-of-Mass det. time= 20.1 min (45.5 - 25.4)

Volume	Invert	Avail.Storage	Storage Description
#1	0.000 m	114.4 m³	**1.00 mW x 90.24 mL x 1.32 mH Prismatoid**x 0.96

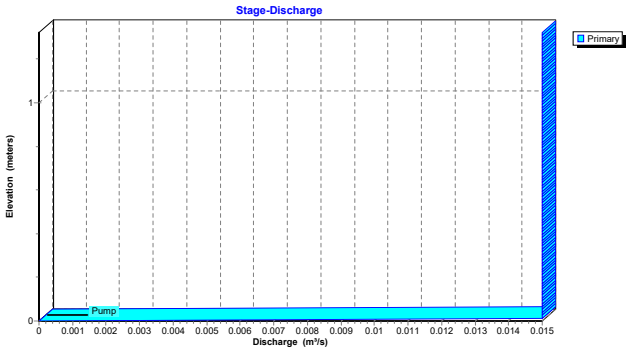
Device	Routing	Invert	Outlet Devices
#1	Primary	0.000 m	**Pump** Discharges@0.000 m Flow (l/min)= 899.9 900.0 Head (meters)= 1.320 0.000

Primary OutFlow Max=0.0150 m³/s @ 0.08 hrs HW=0.014 m (Free Discharge)
1=Pump (Pump Controls 0.0150 m³/s)

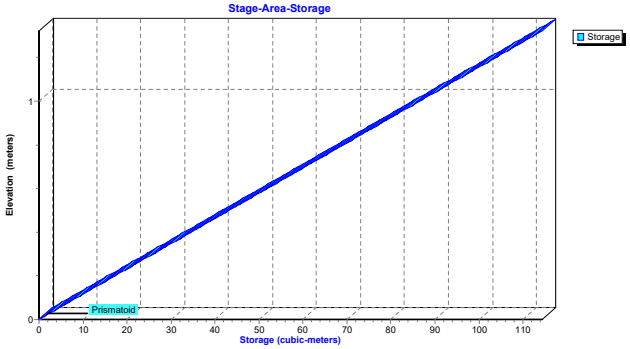
Pond 5P: A/B Cistern



Pond 5P: A/B Cistern



Pond 5P: A/B Cistern



Hydrograph for Pond 5P: A/B Cistern

Time (hours)	Inflow (m³/s)	Storage (cubic-meters)	Elevation (meters)	Primary (m³/s)
0.00	0.0001	0.0	0.000	**0.0000**
0.20	**0.0531**	10.8	0.125	**0.0150**
0.40	**0.0266**	**35.9**	**0.414**	0.0150
0.60	0.0001	**29.9**	**0.346**	0.0150
0.80	0.0001	19.2	0.222	0.0150
1.00	0.0001	8.5	0.098	0.0150
1.20	0.0001	0.1	0.001	0.0008
1.40	0.0001	0.0	0.000	0.0001
1.60	0.0001	0.0	0.000	0.0001
1.80	0.0001	0.0	0.000	0.0001
2.00	0.0001	0.0	0.000	0.0001
2.20	0.0001	0.0	0.000	0.0001
2.40	0.0001	0.0	0.000	0.0001
2.60	0.0001	0.0	0.000	0.0001
2.80	0.0001	0.0	0.000	0.0001
3.00	0.0001	0.0	0.000	0.0001
3.20	0.0001	0.0	0.000	0.0001
3.40	0.0001	0.0	0.000	0.0001
3.60	0.0001	0.0	0.000	0.0001
3.80	0.0001	0.0	0.000	0.0001
4.00	0.0001	0.0	0.000	0.0001
4.20	0.0001	0.0	0.000	0.0001
4.40	0.0001	0.0	0.000	0.0001
4.60	0.0001	0.0	0.000	0.0001
4.80	0.0001	0.0	0.000	0.0001
5.00	0.0001	0.0	0.000	0.0001
5.20	0.0001	0.0	0.000	0.0001
5.40	0.0001	0.0	0.000	0.0001
5.60	0.0001	0.0	0.000	0.0001
5.80	0.0001	0.0	0.000	0.0001
6.00	0.0001	0.0	0.000	0.0001
6.20	0.0001	0.0	0.000	0.0001
6.40	0.0001	0.0	0.000	0.0001
6.60	0.0001	0.0	0.000	0.0001
6.80	0.0001	0.0	0.000	0.0001
7.00	0.0001	0.0	0.000	0.0001
7.20	0.0001	0.0	0.000	0.0001
7.40	0.0001	0.0	0.000	0.0001
7.60	0.0001	0.0	0.000	0.0001
7.80	0.0001	0.0	0.000	0.0001
8.00	0.0001	0.0	0.000	0.0001

Stage-Discharge for Pond 5P: A/B Cistern

Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)
0.000	**0.0000**	0.520	0.0150	1.040	0.0150
0.010	**0.0150**	0.530	0.0150	1.050	0.0150
0.020	0.0150	0.540	0.0150	1.060	0.0150
0.030	0.0150	0.550	0.0150	1.070	0.0150
0.040	0.0150	0.560	0.0150	1.080	0.0150
0.050	0.0150	0.570	0.0150	1.090	0.0150
0.060	0.0150	0.580	0.0150	1.100	0.0150
0.070	0.0150	0.590	0.0150	1.110	0.0150
0.080	0.0150	0.600	0.0150	1.120	0.0150
0.090	0.0150	0.610	0.0150	1.130	0.0150
0.100	0.0150	0.620	0.0150	1.140	0.0150
0.110	0.0150	0.630	0.0150	1.150	0.0150
0.120	0.0150	0.640	0.0150	1.160	0.0150
0.130	0.0150	0.650	0.0150	1.170	0.0150
0.140	0.0150	0.660	0.0150	1.180	0.0150
0.150	0.0150	0.670	0.0150	1.190	0.0150
0.160	0.0150	0.680	0.0150	1.200	0.0150
0.170	0.0150	0.690	0.0150	1.210	0.0150
0.180	0.0150	0.700	0.0150	1.220	0.0150
0.190	0.0150	0.710	0.0150	1.230	0.0150
0.200	0.0150	0.720	0.0150	1.240	0.0150
0.210	0.0150	0.730	0.0150	1.250	0.0150
0.220	0.0150	0.740	0.0150	1.260	0.0150
0.230	0.0150	0.750	0.0150	1.270	0.0150
0.240	0.0150	0.760	0.0150	1.280	0.0150
0.250	0.0150	0.770	0.0150	1.290	0.0150
0.260	0.0150	0.780	0.0150	1.300	0.0150
0.270	0.0150	0.790	0.0150	1.310	0.0150
0.280	0.0150	0.800	0.0150	1.320	0.0150
0.290	0.0150	0.810	0.0150		
0.300	0.0150	0.820	0.0150		
0.310	0.0150	0.830	0.0150		
0.320	0.0150	0.840	0.0150		
0.330	0.0150	0.850	0.0150		
0.340	0.0150	0.860	0.0150		
0.350	0.0150	0.870	0.0150		
0.360	0.0150	0.880	0.0150		
0.370	0.0150	0.890	0.0150		
0.380	0.0150	0.900	0.0150		
0.390	0.0150	0.910	0.0150		
0.400	0.0150	0.920	0.0150		
0.410	0.0150	0.930	0.0150		
0.420	0.0150	0.940	0.0150		
0.430	0.0150	0.950	0.0150		
0.440	0.0150	0.960	0.0150		
0.450	0.0150	0.970	0.0150		
0.460	0.0150	0.980	0.0150		
0.470	0.0150	0.990	0.0150		
0.480	0.0150	1.000	0.0150		
0.490	0.0150	1.010	0.0150		
0.500	0.0150	1.020	0.0150		
0.510	0.0150	1.030	0.0150		

Stage-Area-Storage for Pond 5P: A/B Cistern

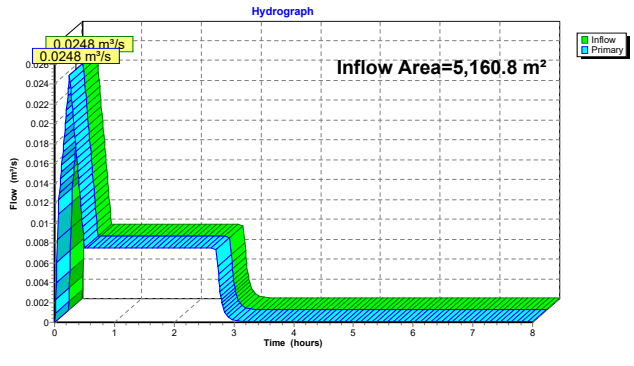
Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)
0.000	0.0	0.520	45.0	1.040	90.1
0.010	0.9	0.530	45.9	1.050	91.0
0.020	1.7	0.540	46.8	1.060	91.8
0.030	2.6	0.550	47.6	1.070	92.7
0.040	3.5	0.560	48.5	1.080	93.6
0.050	4.3	0.570	49.4	1.090	94.4
0.060	5.2	0.580	50.2	1.100	95.3
0.070	6.1	0.590	51.1	1.110	96.2
0.080	6.9	0.600	52.0	1.120	97.0
0.090	7.8	0.610	52.8	1.130	97.9
0.100	8.7	0.620	53.7	1.140	98.8
0.110	9.5	0.630	54.6	1.150	99.6
0.120	10.4	0.640	55.4	1.160	100.5
0.130	11.3	0.650	56.3	1.170	101.4
0.140	12.1	0.660	57.2	1.180	102.2
0.150	13.0	0.670	58.0	1.190	103.1
0.160	13.9	0.680	58.9	1.200	104.0
0.170	14.7	0.690	59.8	1.210	104.8
0.180	15.6	0.700	60.6	1.220	105.7
0.190	16.5	0.710	61.5	1.230	106.6
0.200	17.3	0.720	62.4	1.240	107.4
0.210	18.2	0.730	63.2	1.250	108.3
0.220	19.1	0.740	64.1	1.260	109.2
0.230	19.9	0.750	65.0	1.270	110.0
0.240	20.8	0.760	65.8	1.280	110.9
0.250	21.7	0.770	66.7	1.290	111.8
0.260	22.5	0.780	67.6	1.300	112.6
0.270	23.4	0.790	68.4	1.310	113.5
0.280	24.3	0.800	69.3	1.320	**114.4**
0.290	25.1	0.810	70.2		
0.300	26.0	0.820	71.0		
0.310	26.9	0.830	71.9		
0.320	27.7	0.840	72.8		
0.330	28.6	0.850	73.6		
0.340	29.5	0.860	74.5		
0.350	30.3	0.870	75.4		
0.360	31.2	0.880	76.2		
0.370	32.1	0.890	77.1		
0.380	32.9	0.900	78.0		
0.390	33.8	0.910	78.8		
0.400	34.7	0.920	79.7		
0.410	35.5	0.930	80.6		
0.420	36.4	0.940	81.4		
0.430	37.3	0.950	82.3		
0.440	38.1	0.960	83.2		
0.450	39.0	0.970	84.0		
0.460	39.8	0.980	84.9		
0.470	40.7	0.990	85.8		
0.480	41.6	1.000	86.6		
0.490	42.4	1.010	87.5		
0.500	43.3	1.020	88.4		
0.510	44.2	1.030	89.2		

Summary for Link 3L: Riverspray Cres

Inflow Area = 5,160.8 m², 0.00% Impervious, Inflow Depth > 18 mm for 10-Year event
Inflow = 0.0248 m³/s @ 0.25 hrs, Volume= 91.4 m³
Primary = 0.0248 m³/s @ 0.25 hrs, Volume= 91.4 m³, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

Link 3L: Riverspray Cres



Hydrograph for Link 3L: Riverspray Cres

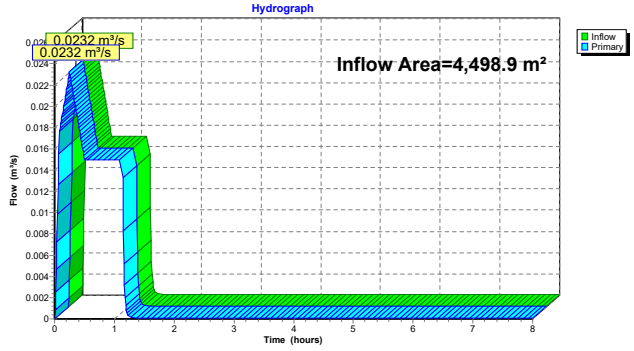
Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	0.0000	**0.000**	0.0000	5.20	0.0001	0.000	0.0001
0.10	0.0144	0.000	0.0144	5.30	0.0001	0.000	0.0001
0.20	**0.0214**	0.000	**0.0214**	5.40	0.0001	0.000	0.0001
0.30	**0.0214**	0.000	**0.0214**	5.50	0.0001	0.000	0.0001
0.40	0.0144	0.000	0.0144	5.60	0.0001	0.000	0.0001
0.50	0.0075	0.000	0.0075	5.70	0.0001	0.000	0.0001
0.60	0.0075	0.000	0.0075	5.80	0.0001	0.000	0.0001
0.70	0.0075	0.000	0.0075	5.90	0.0001	0.000	0.0001
0.80	0.0075	0.000	0.0075	6.00	0.0001	0.000	0.0001
0.90	0.0075	0.000	0.0075	6.10	0.0001	0.000	0.0001
1.00	0.0075	0.000	0.0075	6.20	0.0001	0.000	0.0001
1.10	0.0075	0.000	0.0075	6.30	0.0001	0.000	0.0001
1.20	0.0075	0.000	0.0075	6.40	0.0001	0.000	0.0001
1.30	0.0075	0.000	0.0075	6.50	0.0001	0.000	0.0001
1.40	0.0075	0.000	0.0075	6.60	0.0001	0.000	0.0001
1.50	0.0075	0.000	0.0075	6.70	0.0001	0.000	0.0001
1.60	0.0075	0.000	0.0075	6.80	0.0001	0.000	0.0001
1.70	0.0075	0.000	0.0075	6.90	0.0001	0.000	0.0001
1.80	0.0075	0.000	0.0075	7.00	0.0001	0.000	0.0001
1.90	0.0075	0.000	0.0075	7.10	0.0001	0.000	0.0001
2.00	0.0075	0.000	0.0075	7.20	0.0001	0.000	0.0001
2.10	0.0075	0.000	0.0075	7.30	0.0001	0.000	0.0001
2.20	0.0075	0.000	0.0075	7.40	0.0001	0.000	0.0001
2.30	0.0075	0.000	0.0075	7.50	0.0001	0.000	0.0001
2.40	0.0075	0.000	0.0075	7.60	0.0001	0.000	0.0001
2.50	0.0075	0.000	0.0075	7.70	0.0001	0.000	0.0001
2.60	0.0075	0.000	0.0075	7.80	0.0001	0.000	0.0001
2.70	0.0075	0.000	0.0075	7.90	0.0001	0.000	0.0001
2.80	0.0020	0.000	0.0020	8.00	0.0001	0.000	0.0001
2.90	0.0005	0.000	0.0005				
3.00	0.0002	0.000	0.0002				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

Summary for Link 6L: Bloor St W

Inflow Area = 4,498.9 m², 0.00% Impervious, Inflow Depth > 16 mm for 10-Year event
Inflow = 0.0232 m³/s @ 0.25 hrs, Volume= 70.0 m³
Primary = 0.0232 m³/s @ 0.25 hrs, Volume= 70.0 m³, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

Link 6L: Bloor St W



Hydrograph for Link 6L: Bloor St W

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	0.0000	**0.000**	0.0000	5.20	0.0001	0.000	0.0001
0.10	0.0183	0.000	0.0183	5.30	0.0001	0.000	0.0001
0.20	**0.0216**	0.000	**0.0216**	5.40	0.0001	0.000	0.0001
0.30	**0.0216**	0.000	**0.0216**	5.50	0.0001	0.000	0.0001
0.40	0.0183	0.000	0.0183	5.60	0.0001	0.000	0.0001
0.50	0.0150	0.000	0.0150	5.70	0.0001	0.000	0.0001
0.60	0.0150	0.000	0.0150	5.80	0.0001	0.000	0.0001
0.70	0.0150	0.000	0.0150	5.90	0.0001	0.000	0.0001
0.80	0.0150	0.000	0.0150	6.00	0.0001	0.000	0.0001
0.90	0.0150	0.000	0.0150	6.10	0.0001	0.000	0.0001
1.00	0.0150	0.000	0.0150	6.20	0.0001	0.000	0.0001
1.10	0.0150	0.000	0.0150	6.30	0.0001	0.000	0.0001
1.20	0.0008	0.000	0.0008	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

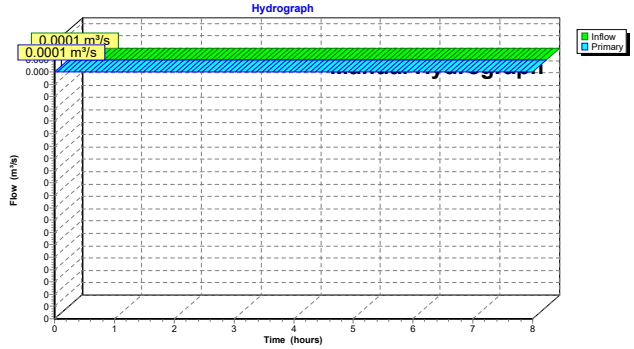
Summary for Link 10L: Groundwater

Inflow = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³
Primary = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³, Atten= 0%, Lag= 0.0 min
Routed to Pond 5P : A/B Cistern

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

9 Point manual hydrograph, To= 0.00 hrs, dt= 1.00 hrs, m³/s =
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001

Link 10L: Groundwater



Hydrograph for Link 10L: Groundwater

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	**0.0001**	**0.000**	**0.0001**	5.20	0.0001	0.000	0.0001
0.10	0.0001	0.000	0.0001	5.30	0.0001	0.000	0.0001
0.20	0.0001	0.000	0.0001	5.40	0.0001	0.000	0.0001
0.30	0.0001	0.000	0.0001	5.50	0.0001	0.000	0.0001
0.40	0.0001	0.000	0.0001	5.60	0.0001	0.000	0.0001
0.50	0.0001	0.000	0.0001	5.70	0.0001	0.000	0.0001
0.60	0.0001	0.000	0.0001	5.80	0.0001	0.000	0.0001
0.70	0.0001	0.000	0.0001	5.90	0.0001	0.000	0.0001
0.80	0.0001	0.000	0.0001	6.00	0.0001	0.000	0.0001
0.90	0.0001	0.000	0.0001	6.10	0.0001	0.000	0.0001
1.00	0.0001	0.000	0.0001	6.20	0.0001	0.000	0.0001
1.10	0.0001	0.000	0.0001	6.30	0.0001	0.000	0.0001
1.20	0.0001	0.000	0.0001	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

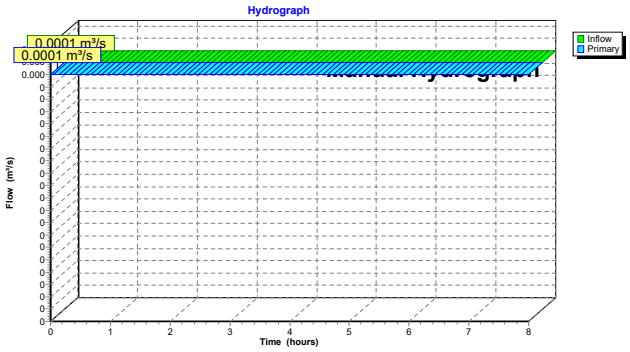
Summary for Link 11L: Groundwater

Inflow = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³
Primary = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³, Atten= 0%, Lag= 0.0 min
Routed to Pond 2P : C/D Cistern

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

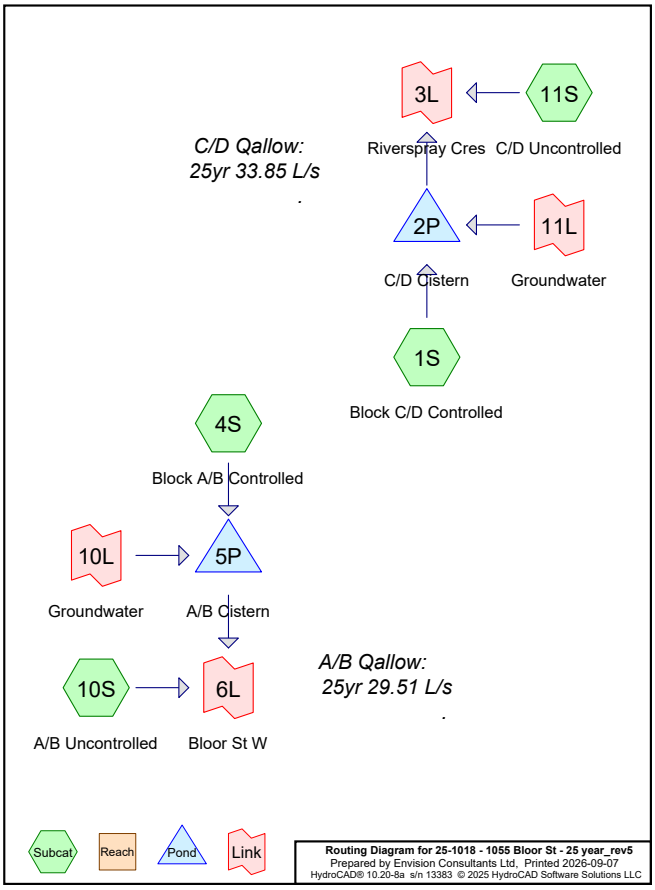
9 Point manual hydrograph, To= 0.00 hrs, dt= 1.00 hrs, m³/s =
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001

Link 11L: Groundwater



Hydrograph for Link 11L: Groundwater

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	**0.0001**	**0.000**	**0.0001**	5.20	0.0001	0.000	0.0001
0.10	0.0001	0.000	0.0001	5.30	0.0001	0.000	0.0001
0.20	0.0001	0.000	0.0001	5.40	0.0001	0.000	0.0001
0.30	0.0001	0.000	0.0001	5.50	0.0001	0.000	0.0001
0.40	0.0001	0.000	0.0001	5.60	0.0001	0.000	0.0001
0.50	0.0001	0.000	0.0001	5.70	0.0001	0.000	0.0001
0.60	0.0001	0.000	0.0001	5.80	0.0001	0.000	0.0001
0.70	0.0001	0.000	0.0001	5.90	0.0001	0.000	0.0001
0.80	0.0001	0.000	0.0001	6.00	0.0001	0.000	0.0001
0.90	0.0001	0.000	0.0001	6.10	0.0001	0.000	0.0001
1.00	0.0001	0.000	0.0001	6.20	0.0001	0.000	0.0001
1.10	0.0001	0.000	0.0001	6.30	0.0001	0.000	0.0001
1.20	0.0001	0.000	0.0001	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				



Area Listing (all nodes)

Area (sq-meters)	C	Description (subcatchment-numbers)
62.0	0.28	External (4S)
614.7	0.99	Impervious (10S, 11S)
1,925.4	0.99	Impervious At-Grade (1S, 4S)
3,421.5	0.99	Roof Area (1S, 4S)
3,636.1	0.28	Softscape (1S, 4S, 10S, 11S)
9,659.7	**0.72**	**TOTAL AREA**

Time span=0.00-8.00 hrs, dt=0.01 hrs, 801 points
Runoff by Rational method, Rise/Fall=1.0/1.0 xTc
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: Block C/D Controlled Runoff Area=3,972.4 m² 75.57% Impervious Runoff Depth=23 mm
Tc=15.0 min C=0.82 Runoff=0.1031 m³/s 92.7 m³

Subcatchment4S: Block A/B Controlled Runoff Area=3,592.7 m² 65.27% Impervious Runoff Depth=21 mm
Tc=15.0 min C=0.74 Runoff=0.0841 m³/s 75.7 m³

Subcatchment10S: A/B Uncontrolled Runoff Area=906.2 m² 12.07% Impervious Runoff Depth=11 mm
Tc=15.0 min C=0.37 Runoff=0.0106 m³/s 9.5 m³

Subcatchment11S: C/D Uncontrolled Runoff Area=1,188.4 m² 42.52% Impervious Runoff Depth=17 mm
Tc=15.0 min C=0.58 Runoff=0.0218 m³/s 19.6 m³

Pond 2P: C/D Cistern Peak Elev=0.298 m Storage=80.6 m³ Inflow=0.1032 m³/s 95.6 m³
Outflow=0.0075 m³/s 95.6 m³

Pond 5P: A/B Cistern Peak Elev=0.602 m Storage=52.2 m³ Inflow=0.0842 m³/s 78.6 m³
Outflow=0.0150 m³/s 78.6 m³

Link 3L: Riverspray Cres Inflow=0.0293 m³/s 115.2 m³
Primary=0.0293 m³/s 115.2 m³

Link 6L: Bloor St W Inflow=0.0256 m³/s 88.1 m³
Primary=0.0256 m³/s 88.1 m³

Link 10L: Groundwater Manual Hydrograph Inflow=0.0001 m³/s 2.9 m³
Primary=0.0001 m³/s 2.9 m³

Link 11L: Groundwater Manual Hydrograph Inflow=0.0001 m³/s 2.9 m³
Primary=0.0001 m³/s 2.9 m³

Total Runoff Area = 9,659.7 m² Runoff Volume = 197.6 m³ Average Runoff Depth = 20 mm
38.28% Pervious = 3,698.1 m² 61.72% Impervious = 5,961.6 m²

Summary for Subcatchment 1S: Block C/D Controlled

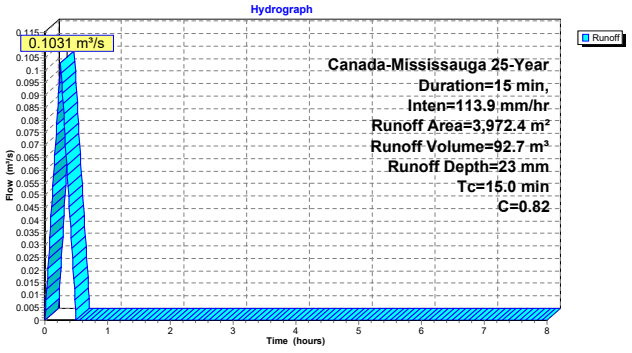
Runoff = 0.1031 m³/s @ 0.25 hrs, Volume= 92.7 m³, Depth= 23 mm
Routed to Pond 2P : C/D Cistern

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 25-Year Duration=15 min, Inten=113.9 mm/hr

Area (m²)	C	Description
1,952.9	0.99	Roof Area
1,048.9	0.99	Impervious At-Grade
970.6	0.28	Softscape
3,972.4	0.82	Weighted Average
970.6		24.43% Pervious Area
3,001.8		75.57% Impervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 1S: Block C/D Controlled



Hydrograph for Subcatchment 1S: Block C/D Controlled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0206	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0412	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0618	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0824	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.1031**	2.85	0.0000	5.45	0.0000		
0.30	0.0824	2.90	0.0000	5.50	0.0000		
0.35	0.0618	2.95	0.0000	5.55	0.0000		
0.40	0.0412	3.00	0.0000	5.60	0.0000		
0.45	0.0206	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 4S: Block A/B Controlled

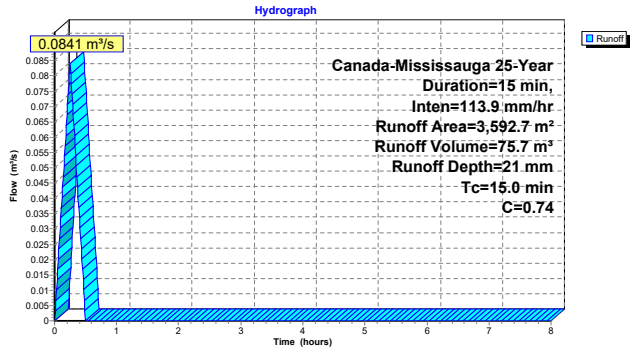
Runoff = 0.0841 m³/s @ 0.25 hrs, Volume= 75.7 m³, Depth= 21 mm
Routed to Pond 5P : A/B Cistern

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 25-Year Duration=15 min, Inten=113.9 mm/hr

Area (m²)	C	Description
1,468.6	0.99	Roof Area
876.5	0.99	Impervious At-Grade
1,185.6	0.28	Softscape
62.0	0.28	External
3,592.7	0.74	Weighted Average
1,247.6		34.73% Pervious Area
2,345.1		65.27% Impervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 4S: Block A/B Controlled



Hydrograph for Subcatchment 4S: Block A/B Controlled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0168	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0336	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0505	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0673	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0841**	2.85	0.0000	5.45	0.0000		
0.30	0.0673	2.90	0.0000	5.50	0.0000		
0.35	0.0505	2.95	0.0000	5.55	0.0000		
0.40	0.0336	3.00	0.0000	5.60	0.0000		
0.45	0.0168	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 10S: A/B Uncontrolled

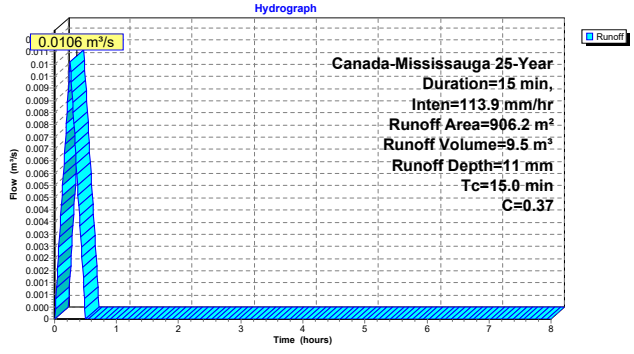
Runoff = 0.0106 m³/s @ 0.25 hrs, Volume= 9.5 m³, Depth= 11 mm
Routed to Link 6L : Bloor St W

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 25-Year Duration=15 min, Inten=113.9 mm/hr

Area (m²)	C	Description
109.4	0.99	Impervious
796.8	0.28	Softscape
906.2	0.37	Weighted Average
796.8		87.93% Pervious Area
109.4		12.07% Impervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 10S: A/B Uncontrolled



Hydrograph for Subcatchment 10S: A/B Uncontrolled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0021	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0042	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0064	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0085	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0106**	2.85	0.0000	5.45	0.0000		
0.30	0.0085	2.90	0.0000	5.50	0.0000		
0.35	0.0064	2.95	0.0000	5.55	0.0000		
0.40	0.0042	3.00	0.0000	5.60	0.0000		
0.45	0.0021	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 11S: C/D Uncontrolled

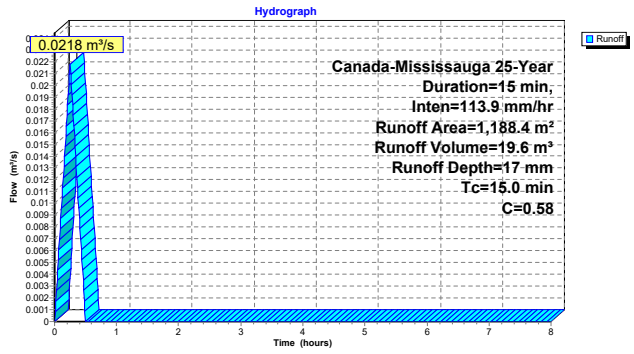
Runoff = 0.0218 m³/s @ 0.25 hrs, Volume= 19.6 m³, Depth= 17 mm
Routed to Link 3L : Riverspray Cres

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 25-Year Duration=15 min, Inten=113.9 mm/hr

Area (m²)	C	Description
505.3	0.99	Impervious
683.1	0.28	Softscape
1,188.4	0.58	Weighted Average
683.1		57.48% Pervious Area
505.3		42.52% Impervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 11S: C/D Uncontrolled



Hydrograph for Subcatchment 11S: C/D Uncontrolled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0044	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0087	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0131	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0174	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0218**	2.85	0.0000	5.45	0.0000		
0.30	0.0174	2.90	0.0000	5.50	0.0000		
0.35	0.0131	2.95	0.0000	5.55	0.0000		
0.40	0.0087	3.00	0.0000	5.60	0.0000		
0.45	0.0044	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Pond 2P: C/D Cistern

Inflow Area = 3,972.4 m², 75.57% Impervious, Inflow Depth > 24 mm for 25-Year event
Inflow = 0.1032 m³/s @ 0.25 hrs, Volume= 95.6 m³
Outflow = 0.0075 m³/s @ 0.06 hrs, Volume= 95.6 m³, Atten= 93%, Lag= 0.0 min
Primary = 0.0075 m³/s @ 0.06 hrs, Volume= 95.6 m³
Routed to Link 3L : Riverspray Cres

Routing by Stor-Ind method, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Peak Elev= 0.298 m @ 0.48 hrs Surf.Area= 270.3 m² Storage= 80.6 m³

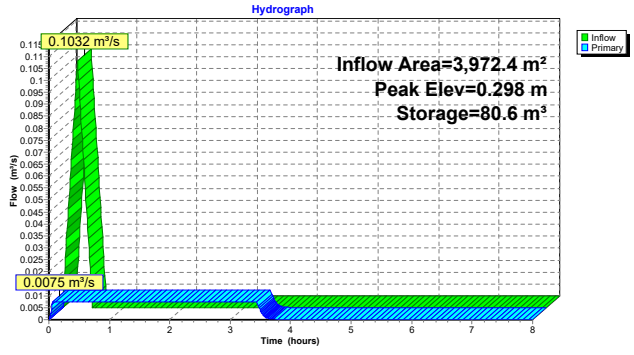
Plug-Flow detention time= 89.1 min calculated for 95.5 m³ (100% of inflow)
Center-of-Mass det. time= 88.9 min (110.7 - 21.8)

Volume	Invert	Avail.Storage	Storage Description
#1	0.000 m	178.4 m³	**1.00 mW x 281.60 mL x 0.66 mH Prismatoid**x 0.96

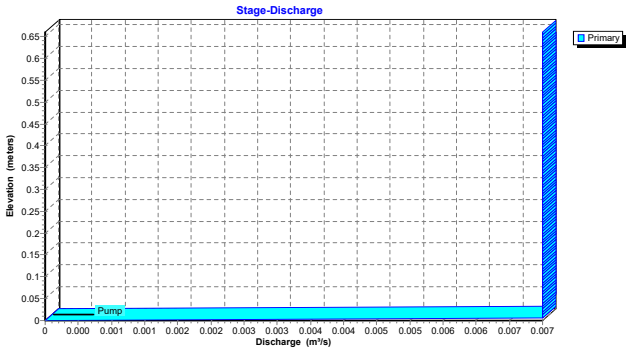
Device	Routing	Invert	Outlet Devices
#1	Primary	0.000 m	**Pump** Discharges@0.000 m Flow (l/min)= 449.9 450.0 Head (meters)= 0.660 0.000

Primary OutFlow Max=0.0075 m³/s @ 0.06 hrs HW=0.008 m (Free Discharge)
↑**1=Pump** (Pump Controls 0.0075 m³/s)

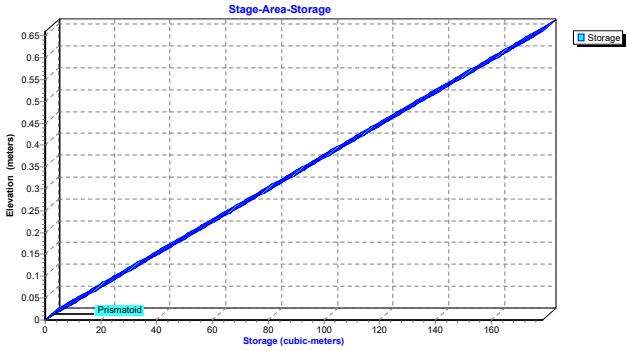
Pond 2P: C/D Cistern



Pond 2P: C/D Cistern



Pond 2P: C/D Cistern



Hydrograph for Pond 2P: C/D Cistern

Time (hours)	Inflow (m³/s)	Storage (cubic-meters)	Elevation (meters)	Primary (m³/s)
0.00	0.0001	0.0	0.000	**0.0000**
0.20	**0.0825**	25.3	0.094	**0.0075**
0.40	**0.0413**	**75.6**	**0.280**	0.0075
0.60	0.0001	**77.7**	**0.288**	0.0075
0.80	0.0001	72.4	0.268	0.0075
1.00	0.0001	67.1	0.248	0.0075
1.20	0.0001	61.8	0.228	0.0075
1.40	0.0001	56.4	0.209	0.0075
1.60	0.0001	51.1	0.189	0.0075
1.80	0.0001	45.8	0.169	0.0075
2.00	0.0001	40.4	0.150	0.0075
2.20	0.0001	35.1	0.130	0.0075
2.40	0.0001	29.8	0.110	0.0075
2.60	0.0001	24.5	0.090	0.0075
2.80	0.0001	19.1	0.071	0.0075
3.00	0.0001	13.8	0.051	0.0075
3.20	0.0001	8.5	0.031	0.0075
3.40	0.0001	3.1	0.012	0.0075
3.60	0.0001	0.2	0.001	0.0009
3.80	0.0001	0.0	0.000	0.0001
4.00	0.0001	0.0	0.000	0.0001
4.20	0.0001	0.0	0.000	0.0001
4.40	0.0001	0.0	0.000	0.0001
4.60	0.0001	0.0	0.000	0.0001
4.80	0.0001	0.0	0.000	0.0001
5.00	0.0001	0.0	0.000	0.0001
5.20	0.0001	0.0	0.000	0.0001
5.40	0.0001	0.0	0.000	0.0001
5.60	0.0001	0.0	0.000	0.0001
5.80	0.0001	0.0	0.000	0.0001
6.00	0.0001	0.0	0.000	0.0001
6.20	0.0001	0.0	0.000	0.0001
6.40	0.0001	0.0	0.000	0.0001
6.60	0.0001	0.0	0.000	0.0001
6.80	0.0001	0.0	0.000	0.0001
7.00	0.0001	0.0	0.000	0.0001
7.20	0.0001	0.0	0.000	0.0001
7.40	0.0001	0.0	0.000	0.0001
7.60	0.0001	0.0	0.000	0.0001
7.80	0.0001	0.0	0.000	0.0001
8.00	0.0001	0.0	0.000	0.0001

Stage-Discharge for Pond 2P: C/D Cistern

Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)
0.000	**0.0000**	0.260	0.0075	0.520	0.0075
0.005	**0.0075**	0.265	0.0075	0.525	0.0075
0.010	0.0075	0.270	0.0075	0.530	0.0075
0.015	0.0075	0.275	0.0075	0.535	0.0075
0.020	0.0075	0.280	0.0075	0.540	0.0075
0.025	0.0075	0.285	0.0075	0.545	0.0075
0.030	0.0075	0.290	0.0075	0.550	0.0075
0.035	0.0075	0.295	0.0075	0.555	0.0075
0.040	0.0075	0.300	0.0075	0.560	0.0075
0.045	0.0075	0.305	0.0075	0.565	0.0075
0.050	0.0075	0.310	0.0075	0.570	0.0075
0.055	0.0075	0.315	0.0075	0.575	0.0075
0.060	0.0075	0.320	0.0075	0.580	0.0075
0.065	0.0075	0.325	0.0075	0.585	0.0075
0.070	0.0075	0.330	0.0075	0.590	0.0075
0.075	0.0075	0.335	0.0075	0.595	0.0075
0.080	0.0075	0.340	0.0075	0.600	0.0075
0.085	0.0075	0.345	0.0075	0.605	0.0075
0.090	0.0075	0.350	0.0075	0.610	0.0075
0.095	0.0075	0.355	0.0075	0.615	0.0075
0.100	0.0075	0.360	0.0075	0.620	0.0075
0.105	0.0075	0.365	0.0075	0.625	0.0075
0.110	0.0075	0.370	0.0075	0.630	0.0075
0.115	0.0075	0.375	0.0075	0.635	0.0075
0.120	0.0075	0.380	0.0075	0.640	0.0075
0.125	0.0075	0.385	0.0075	0.645	0.0075
0.130	0.0075	0.390	0.0075	0.650	0.0075
0.135	0.0075	0.395	0.0075	0.655	0.0075
0.140	0.0075	0.400	0.0075	0.660	0.0075
0.145	0.0075	0.405	0.0075		
0.150	0.0075	0.410	0.0075		
0.155	0.0075	0.415	0.0075		
0.160	0.0075	0.420	0.0075		
0.165	0.0075	0.425	0.0075		
0.170	0.0075	0.430	0.0075		
0.175	0.0075	0.435	0.0075		
0.180	0.0075	0.440	0.0075		
0.185	0.0075	0.445	0.0075		
0.190	0.0075	0.450	0.0075		
0.195	0.0075	0.455	0.0075		
0.200	0.0075	0.460	0.0075		
0.205	0.0075	0.465	0.0075		
0.210	0.0075	0.470	0.0075		
0.215	0.0075	0.475	0.0075		
0.220	0.0075	0.480	0.0075		
0.225	0.0075	0.485	0.0075		
0.230	0.0075	0.490	0.0075		
0.235	0.0075	0.495	0.0075		
0.240	0.0075	0.500	0.0075		
0.245	0.0075	0.505	0.0075		
0.250	0.0075	0.510	0.0075		
0.255	0.0075	0.515	0.0075		

Stage-Area-Storage for Pond 2P: C/D Cistern

Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)
0.000	0.0	0.260	70.3	0.520	140.6
0.005	1.4	0.265	71.6	0.525	141.9
0.010	2.7	0.270	73.0	0.530	143.3
0.015	4.1	0.275	74.3	0.535	144.6
0.020	5.4	0.280	75.7	0.540	146.0
0.025	6.8	0.285	77.0	0.545	147.3
0.030	8.1	0.290	78.4	0.550	148.7
0.035	9.5	0.295	79.7	0.555	150.0
0.040	10.8	0.300	81.1	0.560	151.4
0.045	12.2	0.305	82.5	0.565	152.7
0.050	13.5	0.310	83.8	0.570	154.1
0.055	14.9	0.315	85.2	0.575	155.4
0.060	16.2	0.320	86.5	0.580	156.8
0.065	17.6	0.325	87.9	0.585	158.1
0.070	18.9	0.330	89.2	0.590	159.5
0.075	20.3	0.335	90.6	0.595	160.8
0.080	21.6	0.340	91.9	0.600	162.2
0.085	23.0	0.345	93.3	0.605	163.6
0.090	24.3	0.350	94.6	0.610	164.9
0.095	25.7	0.355	96.0	0.615	166.3
0.100	27.0	0.360	97.3	0.620	167.6
0.105	28.4	0.365	98.7	0.625	169.0
0.110	29.7	0.370	100.0	0.630	170.3
0.115	31.1	0.375	101.4	0.635	171.7
0.120	32.4	0.380	102.7	0.640	173.0
0.125	33.8	0.385	104.1	0.645	174.4
0.130	35.1	0.390	105.4	0.650	175.7
0.135	36.5	0.395	106.8	0.655	177.1
0.140	37.8	0.400	108.1	0.660	**178.4**
0.145	39.2	0.405	109.5		
0.150	40.6	0.410	110.8		
0.155	41.9	0.415	112.2		
0.160	43.3	0.420	113.5		
0.165	44.6	0.425	114.9		
0.170	46.0	0.430	116.2		
0.175	47.3	0.435	117.6		
0.180	48.7	0.440	118.9		
0.185	50.0	0.445	120.3		
0.190	51.4	0.450	121.7		
0.195	52.7	0.455	123.0		
0.200	54.1	0.460	124.4		
0.205	55.4	0.465	125.7		
0.210	56.8	0.470	127.1		
0.215	58.1	0.475	128.4		
0.220	59.5	0.480	129.8		
0.225	60.8	0.485	131.1		
0.230	62.2	0.490	132.5		
0.235	63.5	0.495	133.8		
0.240	64.9	0.500	135.2		
0.245	66.2	0.505	136.5		
0.250	67.6	0.510	137.9		
0.255	68.9	0.515	139.2		

Summary for Pond 5P: A/B Cistern

Inflow Area = 3,592.7 m², 65.27% Impervious, Inflow Depth > 22 mm for 25-Year event
Inflow = 0.0842 m³/s @ 0.25 hrs, Volume= 78.6 m³
Outflow = 0.0150 m³/s @ 0.07 hrs, Volume= 78.6 m³, Atten= 82%, Lag= 0.0 min
Primary = 0.0150 m³/s @ 0.07 hrs, Volume= 78.6 m³
Routed to Link 6L : Bloor St W

Routing by Stor-Ind method, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Peak Elev= 0.602 m @ 0.46 hrs Surf.Area= 86.6 m² Storage= 52.2 m³

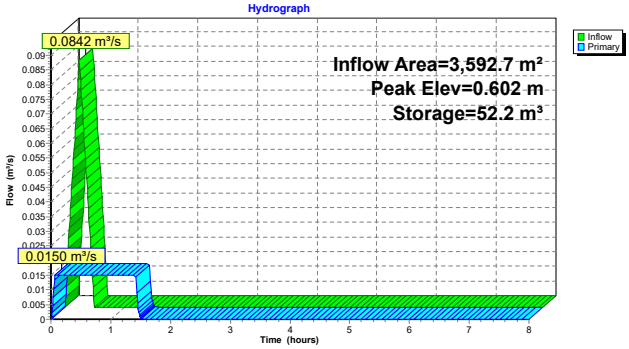
Plug-Flow detention time= 28.7 min calculated for 78.5 m³ (100% of inflow)
Center-of-Mass det. time= 28.6 min (51.9 - 23.3)

Volume	Invert	Avail.Storage	Storage Description
#1	0.000 m	114.4 m³	**1.00 mW x 90.24 mL x 1.32 mH Prismatoid**x 0.96

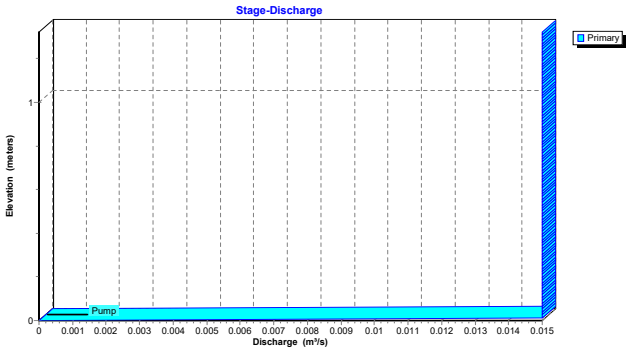
Device	Routing	Invert	Outlet Devices
#1	Primary	0.000 m	**Pump** Discharges@0.000 m Flow (l/min)= 899.9 900.0 Head (meters)= 1.320 0.000

Primary OutFlow Max=0.0150 m³/s @ 0.07 hrs HW=0.015 m (Free Discharge)
↳**1=Pump** (Pump Controls 0.0150 m³/s)

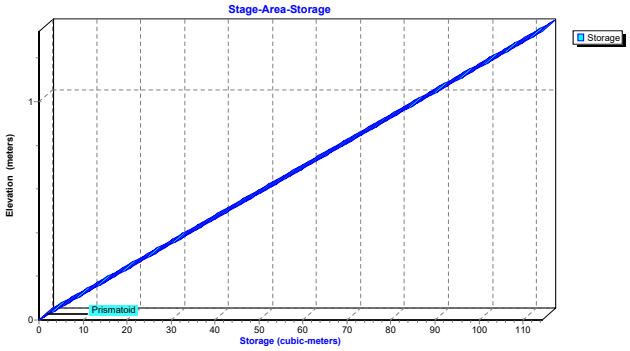
Pond 5P: A/B Cistern



Pond 5P: A/B Cistern



Pond 5P: A/B Cistern



Hydrograph for Pond 5P: A/B Cistern

Time (hours)	Inflow (m³/s)	Storage (cubic-meters)	Elevation (meters)	Primary (m³/s)
0.00	0.0001	0.0	0.000	**0.0000**
0.20	**0.0674**	15.6	0.180	**0.0150**
0.40	**0.0337**	**50.3**	**0.580**	0.0150
0.60	0.0001	**45.6**	**0.527**	0.0150
0.80	0.0001	34.9	0.403	0.0150
1.00	0.0001	24.2	0.279	0.0150
1.20	0.0001	13.4	0.155	0.0150
1.40	0.0001	2.7	0.031	0.0150
1.60	0.0001	0.0	0.000	0.0001
1.80	0.0001	0.0	0.000	0.0001
2.00	0.0001	0.0	0.000	0.0001
2.20	0.0001	0.0	0.000	0.0001
2.40	0.0001	0.0	0.000	0.0001
2.60	0.0001	0.0	0.000	0.0001
2.80	0.0001	0.0	0.000	0.0001
3.00	0.0001	0.0	0.000	0.0001
3.20	0.0001	0.0	0.000	0.0001
3.40	0.0001	0.0	0.000	0.0001
3.60	0.0001	0.0	0.000	0.0001
3.80	0.0001	0.0	0.000	0.0001
4.00	0.0001	0.0	0.000	0.0001
4.20	0.0001	0.0	0.000	0.0001
4.40	0.0001	0.0	0.000	0.0001
4.60	0.0001	0.0	0.000	0.0001
4.80	0.0001	0.0	0.000	0.0001
5.00	0.0001	0.0	0.000	0.0001
5.20	0.0001	0.0	0.000	0.0001
5.40	0.0001	0.0	0.000	0.0001
5.60	0.0001	0.0	0.000	0.0001
5.80	0.0001	0.0	0.000	0.0001
6.00	0.0001	0.0	0.000	0.0001
6.20	0.0001	0.0	0.000	0.0001
6.40	0.0001	0.0	0.000	0.0001
6.60	0.0001	0.0	0.000	0.0001
6.80	0.0001	0.0	0.000	0.0001
7.00	0.0001	0.0	0.000	0.0001
7.20	0.0001	0.0	0.000	0.0001
7.40	0.0001	0.0	0.000	0.0001
7.60	0.0001	0.0	0.000	0.0001
7.80	0.0001	0.0	0.000	0.0001
8.00	0.0001	0.0	0.000	0.0001

Stage-Discharge for Pond 5P: A/B Cistern

Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)
0.000	**0.0000**	0.520	0.0150	1.040	0.0150
0.010	**0.0150**	0.530	0.0150	1.050	0.0150
0.020	0.0150	0.540	0.0150	1.060	0.0150
0.030	0.0150	0.550	0.0150	1.070	0.0150
0.040	0.0150	0.560	0.0150	1.080	0.0150
0.050	0.0150	0.570	0.0150	1.090	0.0150
0.060	0.0150	0.580	0.0150	1.100	0.0150
0.070	0.0150	0.590	0.0150	1.110	0.0150
0.080	0.0150	0.600	0.0150	1.120	0.0150
0.090	0.0150	0.610	0.0150	1.130	0.0150
0.100	0.0150	0.620	0.0150	1.140	0.0150
0.110	0.0150	0.630	0.0150	1.150	0.0150
0.120	0.0150	0.640	0.0150	1.160	0.0150
0.130	0.0150	0.650	0.0150	1.170	0.0150
0.140	0.0150	0.660	0.0150	1.180	0.0150
0.150	0.0150	0.670	0.0150	1.190	0.0150
0.160	0.0150	0.680	0.0150	1.200	0.0150
0.170	0.0150	0.690	0.0150	1.210	0.0150
0.180	0.0150	0.700	0.0150	1.220	0.0150
0.190	0.0150	0.710	0.0150	1.230	0.0150
0.200	0.0150	0.720	0.0150	1.240	0.0150
0.210	0.0150	0.730	0.0150	1.250	0.0150
0.220	0.0150	0.740	0.0150	1.260	0.0150
0.230	0.0150	0.750	0.0150	1.270	0.0150
0.240	0.0150	0.760	0.0150	1.280	0.0150
0.250	0.0150	0.770	0.0150	1.290	0.0150
0.260	0.0150	0.780	0.0150	1.300	0.0150
0.270	0.0150	0.790	0.0150	1.310	0.0150
0.280	0.0150	0.800	0.0150	1.320	0.0150
0.290	0.0150	0.810	0.0150		
0.300	0.0150	0.820	0.0150		
0.310	0.0150	0.830	0.0150		
0.320	0.0150	0.840	0.0150		
0.330	0.0150	0.850	0.0150		
0.340	0.0150	0.860	0.0150		
0.350	0.0150	0.870	0.0150		
0.360	0.0150	0.880	0.0150		
0.370	0.0150	0.890	0.0150		
0.380	0.0150	0.900	0.0150		
0.390	0.0150	0.910	0.0150		
0.400	0.0150	0.920	0.0150		
0.410	0.0150	0.930	0.0150		
0.420	0.0150	0.940	0.0150		
0.430	0.0150	0.950	0.0150		
0.440	0.0150	0.960	0.0150		
0.450	0.0150	0.970	0.0150		
0.460	0.0150	0.980	0.0150		
0.470	0.0150	0.990	0.0150		
0.480	0.0150	1.000	0.0150		
0.490	0.0150	1.010	0.0150		
0.500	0.0150	1.020	0.0150		
0.510	0.0150	1.030	0.0150		

Stage-Area-Storage for Pond 5P: A/B Cistern

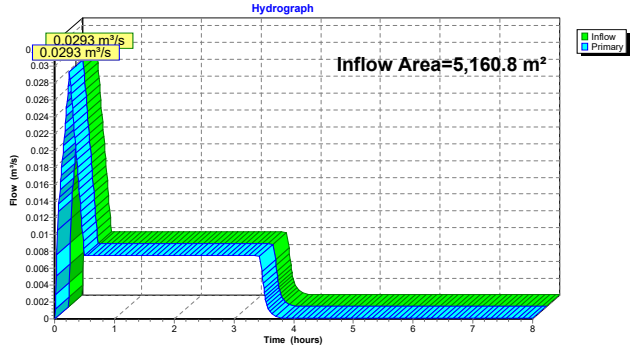
Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)
0.000	0.0	0.520	45.0	1.040	90.1
0.010	0.9	0.530	45.9	1.050	91.0
0.020	1.7	0.540	46.8	1.060	91.8
0.030	2.6	0.550	47.6	1.070	92.7
0.040	3.5	0.560	48.5	1.080	93.6
0.050	4.3	0.570	49.4	1.090	94.4
0.060	5.2	0.580	50.2	1.100	95.3
0.070	6.1	0.590	51.1	1.110	96.2
0.080	6.9	0.600	52.0	1.120	97.0
0.090	7.8	0.610	52.8	1.130	97.9
0.100	8.7	0.620	53.7	1.140	98.8
0.110	9.5	0.630	54.6	1.150	99.6
0.120	10.4	0.640	55.4	1.160	100.5
0.130	11.3	0.650	56.3	1.170	101.4
0.140	12.1	0.660	57.2	1.180	102.2
0.150	13.0	0.670	58.0	1.190	103.1
0.160	13.9	0.680	58.9	1.200	104.0
0.170	14.7	0.690	59.8	1.210	104.8
0.180	15.6	0.700	60.6	1.220	105.7
0.190	16.5	0.710	61.5	1.230	106.6
0.200	17.3	0.720	62.4	1.240	107.4
0.210	18.2	0.730	63.2	1.250	108.3
0.220	19.1	0.740	64.1	1.260	109.2
0.230	19.9	0.750	65.0	1.270	110.0
0.240	20.8	0.760	65.8	1.280	110.9
0.250	21.7	0.770	66.7	1.290	111.8
0.260	22.5	0.780	67.6	1.300	112.6
0.270	23.4	0.790	68.4	1.310	113.5
0.280	24.3	0.800	69.3	1.320	**114.4**
0.290	25.1	0.810	70.2		
0.300	26.0	0.820	71.0		
0.310	26.9	0.830	71.9		
0.320	27.7	0.840	72.8		
0.330	28.6	0.850	73.6		
0.340	29.5	0.860	74.5		
0.350	30.3	0.870	75.4		
0.360	31.2	0.880	76.2		
0.370	32.1	0.890	77.1		
0.380	32.9	0.900	78.0		
0.390	33.8	0.910	78.8		
0.400	34.7	0.920	79.7		
0.410	35.5	0.930	80.6		
0.420	36.4	0.940	81.4		
0.430	37.3	0.950	82.3		
0.440	38.1	0.960	83.2		
0.450	39.0	0.970	84.0		
0.460	39.8	0.980	84.9		
0.470	40.7	0.990	85.8		
0.480	41.6	1.000	86.6		
0.490	42.4	1.010	87.5		
0.500	43.3	1.020	88.4		
0.510	44.2	1.030	89.2		

Summary for Link 3L: Riverspray Cres

Inflow Area = 5,160.8 m², 67.96% Impervious, Inflow Depth > 22 mm for 25-Year event
Inflow = 0.0293 m³/s @ 0.25 hrs, Volume= 115.2 m³
Primary = 0.0293 m³/s @ 0.25 hrs, Volume= 115.2 m³, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

Link 3L: Riverspray Cres



Hydrograph for Link 3L: Riverspray Cres

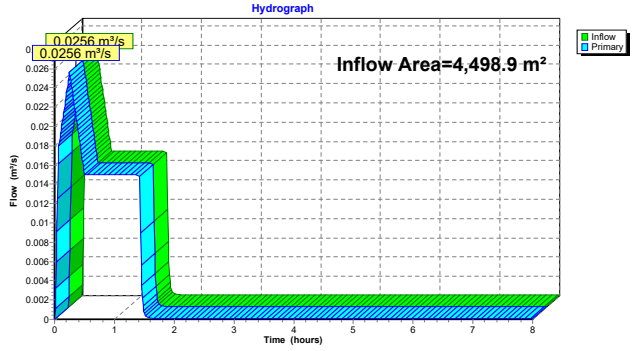
Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	0.0000	**0.000**	0.0000	5.20	0.0001	0.000	0.0001
0.10	0.0162	0.000	0.0162	5.30	0.0001	0.000	0.0001
0.20	**0.0249**	0.000	**0.0249**	5.40	0.0001	0.000	0.0001
0.30	**0.0249**	0.000	**0.0249**	5.50	0.0001	0.000	0.0001
0.40	0.0162	0.000	0.0162	5.60	0.0001	0.000	0.0001
0.50	0.0075	0.000	0.0075	5.70	0.0001	0.000	0.0001
0.60	0.0075	0.000	0.0075	5.80	0.0001	0.000	0.0001
0.70	0.0075	0.000	0.0075	5.90	0.0001	0.000	0.0001
0.80	0.0075	0.000	0.0075	6.00	0.0001	0.000	0.0001
0.90	0.0075	0.000	0.0075	6.10	0.0001	0.000	0.0001
1.00	0.0075	0.000	0.0075	6.20	0.0001	0.000	0.0001
1.10	0.0075	0.000	0.0075	6.30	0.0001	0.000	0.0001
1.20	0.0075	0.000	0.0075	6.40	0.0001	0.000	0.0001
1.30	0.0075	0.000	0.0075	6.50	0.0001	0.000	0.0001
1.40	0.0075	0.000	0.0075	6.60	0.0001	0.000	0.0001
1.50	0.0075	0.000	0.0075	6.70	0.0001	0.000	0.0001
1.60	0.0075	0.000	0.0075	6.80	0.0001	0.000	0.0001
1.70	0.0075	0.000	0.0075	6.90	0.0001	0.000	0.0001
1.80	0.0075	0.000	0.0075	7.00	0.0001	0.000	0.0001
1.90	0.0075	0.000	0.0075	7.10	0.0001	0.000	0.0001
2.00	0.0075	0.000	0.0075	7.20	0.0001	0.000	0.0001
2.10	0.0075	0.000	0.0075	7.30	0.0001	0.000	0.0001
2.20	0.0075	0.000	0.0075	7.40	0.0001	0.000	0.0001
2.30	0.0075	0.000	0.0075	7.50	0.0001	0.000	0.0001
2.40	0.0075	0.000	0.0075	7.60	0.0001	0.000	0.0001
2.50	0.0075	0.000	0.0075	7.70	0.0001	0.000	0.0001
2.60	0.0075	0.000	0.0075	7.80	0.0001	0.000	0.0001
2.70	0.0075	0.000	0.0075	7.90	0.0001	0.000	0.0001
2.80	0.0075	0.000	0.0075	8.00	0.0001	0.000	0.0001
2.90	0.0075	0.000	0.0075				
3.00	0.0075	0.000	0.0075				
3.10	0.0075	0.000	0.0075				
3.20	0.0075	0.000	0.0075				
3.30	0.0075	0.000	0.0075				
3.40	0.0075	0.000	0.0075				
3.50	0.0036	0.000	0.0036				
3.60	0.0009	0.000	0.0009				
3.70	0.0003	0.000	0.0003				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

Summary for Link 6L: Bloor St W

Inflow Area = 4,498.9 m², 54.56% Impervious, Inflow Depth > 20 mm for 25-Year event
Inflow = 0.0256 m³/s @ 0.25 hrs, Volume= 88.1 m³
Primary = 0.0256 m³/s @ 0.25 hrs, Volume= 88.1 m³, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

Link 6L: Bloor St W



Hydrograph for Link 6L: Bloor St W

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	0.0000	**0.000**	0.0000	5.20	0.0001	0.000	0.0001
0.10	0.0192	0.000	0.0192	5.30	0.0001	0.000	0.0001
0.20	**0.0235**	0.000	**0.0235**	5.40	0.0001	0.000	0.0001
0.30	**0.0235**	0.000	**0.0235**	5.50	0.0001	0.000	0.0001
0.40	0.0192	0.000	0.0192	5.60	0.0001	0.000	0.0001
0.50	0.0150	0.000	0.0150	5.70	0.0001	0.000	0.0001
0.60	0.0150	0.000	0.0150	5.80	0.0001	0.000	0.0001
0.70	0.0150	0.000	0.0150	5.90	0.0001	0.000	0.0001
0.80	0.0150	0.000	0.0150	6.00	0.0001	0.000	0.0001
0.90	0.0150	0.000	0.0150	6.10	0.0001	0.000	0.0001
1.00	0.0150	0.000	0.0150	6.20	0.0001	0.000	0.0001
1.10	0.0150	0.000	0.0150	6.30	0.0001	0.000	0.0001
1.20	0.0150	0.000	0.0150	6.40	0.0001	0.000	0.0001
1.30	0.0150	0.000	0.0150	6.50	0.0001	0.000	0.0001
1.40	0.0150	0.000	0.0150	6.60	0.0001	0.000	0.0001
1.50	0.0006	0.000	0.0006	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

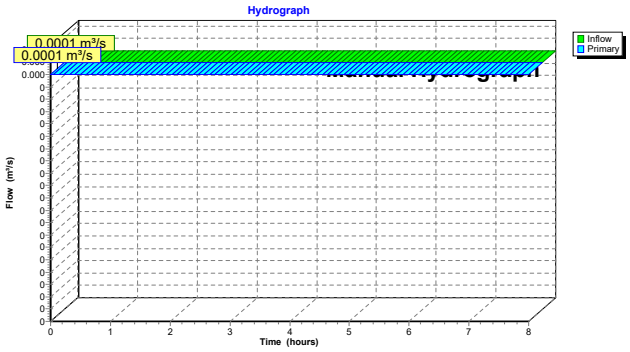
Summary for Link 10L: Groundwater

Inflow = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³
Primary = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³, Atten= 0%, Lag= 0.0 min
Routed to Pond 5P : A/B Cistern

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

9 Point manual hydrograph, To= 0.00 hrs, dt= 1.00 hrs, m³/s =
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001

Link 10L: Groundwater



Hydrograph for Link 10L: Groundwater

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	**0.0001**	**0.000**	**0.0001**	5.20	0.0001	0.000	0.0001
0.10	0.0001	0.000	0.0001	5.30	0.0001	0.000	0.0001
0.20	0.0001	0.000	0.0001	5.40	0.0001	0.000	0.0001
0.30	0.0001	0.000	0.0001	5.50	0.0001	0.000	0.0001
0.40	0.0001	0.000	0.0001	5.60	0.0001	0.000	0.0001
0.50	0.0001	0.000	0.0001	5.70	0.0001	0.000	0.0001
0.60	0.0001	0.000	0.0001	5.80	0.0001	0.000	0.0001
0.70	0.0001	0.000	0.0001	5.90	0.0001	0.000	0.0001
0.80	0.0001	0.000	0.0001	6.00	0.0001	0.000	0.0001
0.90	0.0001	0.000	0.0001	6.10	0.0001	0.000	0.0001
1.00	0.0001	0.000	0.0001	6.20	0.0001	0.000	0.0001
1.10	0.0001	0.000	0.0001	6.30	0.0001	0.000	0.0001
1.20	0.0001	0.000	0.0001	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

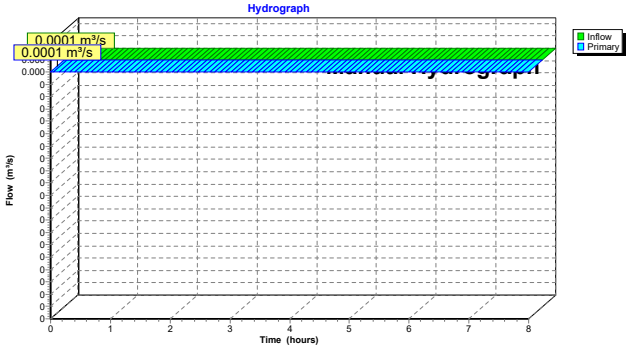
Summary for Link 11L: Groundwater

Inflow = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³
Primary = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³, Atten= 0%, Lag= 0.0 min
Routed to Pond 2P : C/D Cistern

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

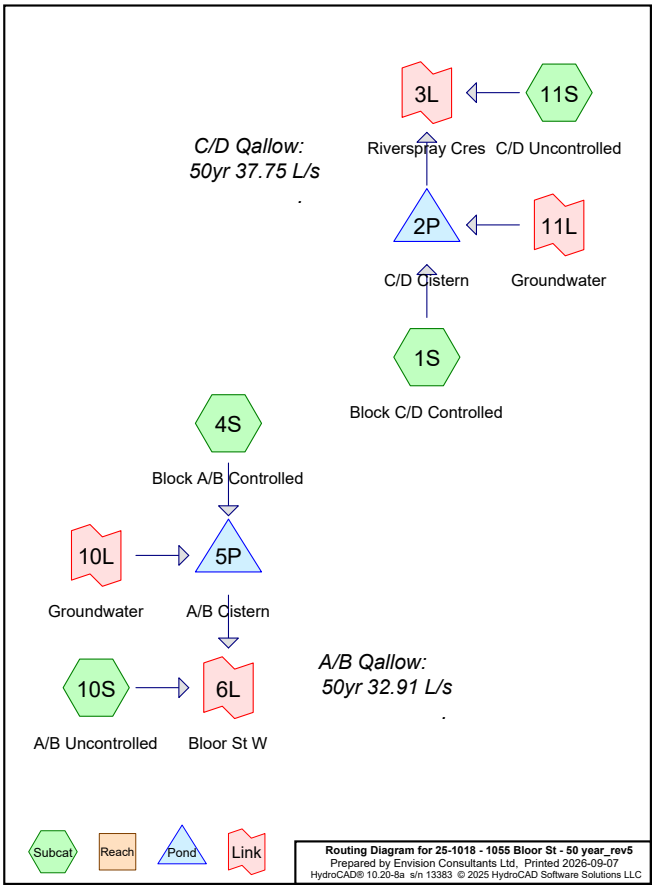
9 Point manual hydrograph, To= 0.00 hrs, dt= 1.00 hrs, m³/s =
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001

Link 11L: Groundwater



Hydrograph for Link 11L: Groundwater

Time (hours)	Inflow (m^3/s)	Elevation (meters)	Primary (m^3/s)	Time (hours)	Inflow (m^3/s)	Elevation (meters)	Primary (m^3/s)
0.00	**0.0001**	**0.000**	**0.0001**	5.20	0.0001	0.000	0.0001
0.10	0.0001	0.000	0.0001	5.30	0.0001	0.000	0.0001
0.20	0.0001	0.000	0.0001	5.40	0.0001	0.000	0.0001
0.30	0.0001	0.000	0.0001	5.50	0.0001	0.000	0.0001
0.40	0.0001	0.000	0.0001	5.60	0.0001	0.000	0.0001
0.50	0.0001	0.000	0.0001	5.70	0.0001	0.000	0.0001
0.60	0.0001	0.000	0.0001	5.80	0.0001	0.000	0.0001
0.70	0.0001	0.000	0.0001	5.90	0.0001	0.000	0.0001
0.80	0.0001	0.000	0.0001	6.00	0.0001	0.000	0.0001
0.90	0.0001	0.000	0.0001	6.10	0.0001	0.000	0.0001
1.00	0.0001	0.000	0.0001	6.20	0.0001	0.000	0.0001
1.10	0.0001	0.000	0.0001	6.30	0.0001	0.000	0.0001
1.20	0.0001	0.000	0.0001	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				



Area Listing (all nodes)

Area (sq-meters)	C	Description (subcatchment-numbers)
62.0	0.30	External (4S)
614.7	1.00	Impervious (10S, 11S)
1,925.4	1.00	Impervious At-Grade (1S, 4S)
3,421.5	1.00	Roof Area (1S, 4S)
3,636.1	0.30	Softscape (1S, 4S, 10S, 11S)
9,659.7	**0.73**	**TOTAL AREA**

Time span=0.00-8.00 hrs, dt=0.01 hrs, 801 points
Runoff by Rational method, Rise/Fall=1.0/1.0 xTc
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: Block C/D Controlled Runoff Area=3,972.4 m² 75.57% Impervious Runoff Depth=26 mm
Tc=15.0 min C=0.83 Runoff=0.1164 m³/s 104.8 m³

Subcatchment4S: Block A/B Controlled Runoff Area=3,592.7 m² 65.27% Impervious Runoff Depth=24 mm
Tc=15.0 min C=0.76 Runoff=0.0964 m³/s 86.8 m³

Subcatchment10S: A/B Uncontrolled Runoff Area=906.2 m² 12.07% Impervious Runoff Depth=12 mm
Tc=15.0 min C=0.38 Runoff=0.0122 m³/s 10.9 m³

Subcatchment11S: C/D Uncontrolled Runoff Area=1,188.4 m² 42.52% Impervious Runoff Depth=19 mm
Tc=15.0 min C=0.60 Runoff=0.0252 m³/s 22.7 m³

Pond 2P: C/D Cistern Peak Elev=0.343 m Storage=92.6 m³ Inflow=0.1165 m³/s 107.7 m³
Outflow=0.0075 m³/s 107.7 m³

Pond 5P: A/B Cistern Peak Elev=0.726 m Storage=62.9 m³ Inflow=0.0965 m³/s 89.7 m³
Outflow=0.0150 m³/s 89.7 m³

Link 3L: Riverspray Cres Inflow=0.0327 m³/s 130.3 m³
Primary=0.0327 m³/s 130.3 m³

Link 6L: Bloor St W Inflow=0.0272 m³/s 100.6 m³
Primary=0.0272 m³/s 100.6 m³

Link 10L: Groundwater Manual Hydrograph Inflow=0.0001 m³/s 2.9 m³
Primary=0.0001 m³/s 2.9 m³

Link 11L: Groundwater Manual Hydrograph Inflow=0.0001 m³/s 2.9 m³
Primary=0.0001 m³/s 2.9 m³

Total Runoff Area = 9,659.7 m² Runoff Volume = 225.2 m³ Average Runoff Depth = 23 mm
38.28% Pervious = 3,698.1 m² 61.72% Impervious = 5,961.6 m²

Summary for Subcatchment 1S: Block C/D Controlled

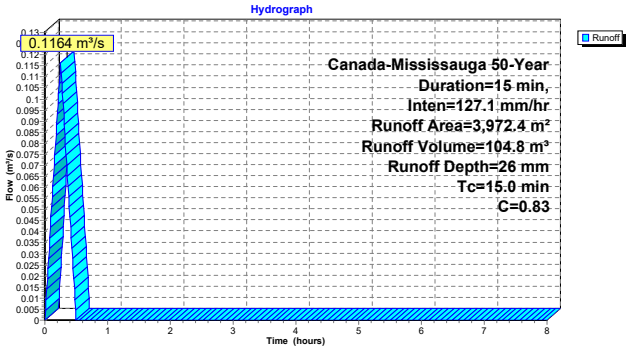
Runoff = 0.1164 m³/s @ 0.25 hrs, Volume= 104.8 m³, Depth= 26 mm
Routed to Pond 2P : C/D Cistern

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 50-Year Duration=15 min, Inten=127.1 mm/hr

Area (m²)	C	Description
1,952.9	1.00	Roof Area
1,048.9	1.00	Impervious At-Grade
970.6	0.30	Softscape
3,972.4	0.83	Weighted Average
970.6		24.43% Pervious Area
3,001.8		75.57% Impervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 1S: Block C/D Controlled



Hydrograph for Subcatchment 1S: Block C/D Controlled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0233	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0466	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0699	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0931	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.1164**	2.85	0.0000	5.45	0.0000		
0.30	0.0931	2.90	0.0000	5.50	0.0000		
0.35	0.0699	2.95	0.0000	5.55	0.0000		
0.40	0.0466	3.00	0.0000	5.60	0.0000		
0.45	0.0233	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 4S: Block A/B Controlled

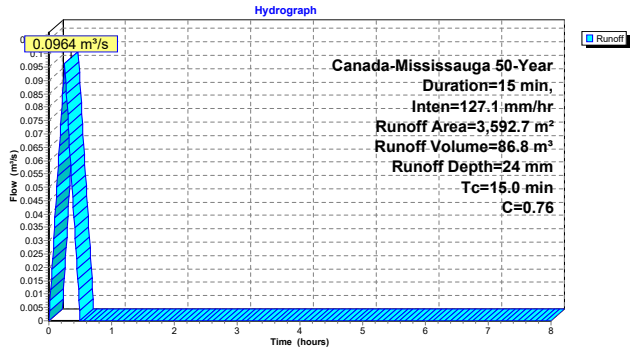
Runoff = 0.0964 m³/s @ 0.25 hrs, Volume= 86.8 m³, Depth= 24 mm
Routed to Pond 5P : A/B Cistern

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 50-Year Duration=15 min, Inten=127.1 mm/hr

Area (m²)	C	Description
1,468.6	1.00	Roof Area
876.5	1.00	Impervious At-Grade
1,185.6	0.30	Softscape
62.0	0.30	External
3,592.7	0.76	Weighted Average
1,247.6		34.73% Pervious Area
2,345.1		65.27% Impervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 4S: Block A/B Controlled



Hydrograph for Subcatchment 4S: Block A/B Controlled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0193	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0386	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0579	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0771	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0964**	2.85	0.0000	5.45	0.0000		
0.30	0.0771	2.90	0.0000	5.50	0.0000		
0.35	0.0579	2.95	0.0000	5.55	0.0000		
0.40	0.0386	3.00	0.0000	5.60	0.0000		
0.45	0.0193	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 10S: A/B Uncontrolled

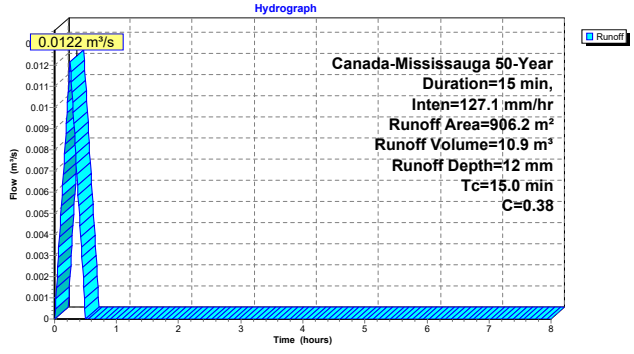
Runoff = 0.0122 m³/s @ 0.25 hrs, Volume= 10.9 m³, Depth= 12 mm
Routed to Link 6L : Bloor St W

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 50-Year Duration=15 min, Inten=127.1 mm/hr

Area (m²)	C	Description
109.4	1.00	Impervious
796.8	0.30	Softscape
906.2	0.38	Weighted Average
796.8		87.93% Pervious Area
109.4		12.07% Impervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 10S: A/B Uncontrolled



Hydrograph for Subcatchment 10S: A/B Uncontrolled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0024	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0049	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0073	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0097	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0122**	2.85	0.0000	5.45	0.0000		
0.30	0.0097	2.90	0.0000	5.50	0.0000		
0.35	0.0073	2.95	0.0000	5.55	0.0000		
0.40	0.0049	3.00	0.0000	5.60	0.0000		
0.45	0.0024	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 11S: C/D Uncontrolled

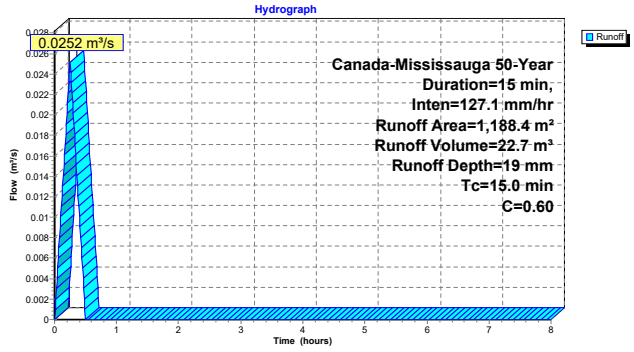
Runoff = 0.0252 m³/s @ 0.25 hrs, Volume= 22.7 m³, Depth= 19 mm
Routed to Link 3L : Riverspray Cres

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 50-Year Duration=15 min, Inten=127.1 mm/hr

Area (m²)	C	Description
505.3	1.00	Impervious
683.1	0.30	Softscape
1,188.4	0.60	Weighted Average
683.1		57.48% Pervious Area
505.3		42.52% Impervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 11S: C/D Uncontrolled



Hydrograph for Subcatchment 11S: C/D Uncontrolled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0050	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0101	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0151	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0201	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0252**	2.85	0.0000	5.45	0.0000		
0.30	0.0201	2.90	0.0000	5.50	0.0000		
0.35	0.0151	2.95	0.0000	5.55	0.0000		
0.40	0.0101	3.00	0.0000	5.60	0.0000		
0.45	0.0050	3.05	0.0000	5.65	0.0000		
0.50	0.0000	3.10	0.0000	5.70	0.0000		
0.55	0.0000	3.15	0.0000	5.75	0.0000		
0.60	0.0000	3.20	0.0000	5.80	0.0000		
0.65	0.0000	3.25	0.0000	5.85	0.0000		
0.70	0.0000	3.30	0.0000	5.90	0.0000		
0.75	0.0000	3.35	0.0000	5.95	0.0000		
0.80	0.0000	3.40	0.0000	6.00	0.0000		
0.85	0.0000	3.45	0.0000	6.05	0.0000		
0.90	0.0000	3.50	0.0000	6.10	0.0000		
0.95	0.0000	3.55	0.0000	6.15	0.0000		
1.00	0.0000	3.60	0.0000	6.20	0.0000		
1.05	0.0000	3.65	0.0000	6.25	0.0000		
1.10	0.0000	3.70	0.0000	6.30	0.0000		
1.15	0.0000	3.75	0.0000	6.35	0.0000		
1.20	0.0000	3.80	0.0000	6.40	0.0000		
1.25	0.0000	3.85	0.0000	6.45	0.0000		
1.30	0.0000	3.90	0.0000	6.50	0.0000		
1.35	0.0000	3.95	0.0000	6.55	0.0000		
1.40	0.0000	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Pond 2P: C/D Cistern

Inflow Area = 3,972.4 m², 75.57% Impervious, Inflow Depth > 27 mm for 50-Year event
Inflow = 0.1165 m³/s @ 0.25 hrs, Volume= 107.7 m³
Outflow = 0.0075 m³/s @ 0.06 hrs, Volume= 107.7 m³, Atten= 94%, Lag= 0.0 min
Primary = 0.0075 m³/s @ 0.06 hrs, Volume= 107.7 m³
Routed to Link 3L : Riverspray Cres

Routing by Stor-Ind method, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Peak Elev= 0.343 m @ 0.48 hrs Surf.Area= 270.3 m² Storage= 92.6 m³

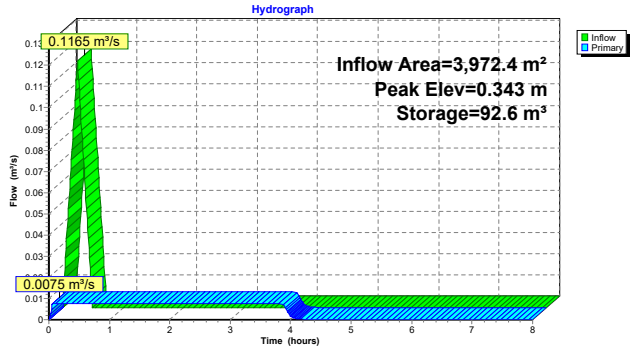
Plug-Flow detention time= 102.4 min calculated for 107.7 m³ (100% of inflow)
Center-of-Mass det. time= 102.2 min (123.3 - 21.0)

Volume	Invert	Avail.Storage	Storage Description
#1	0.000 m	178.4 m³	**1.00 mW x 281.60 mL x 0.66 mH Prismatoid**x 0.96

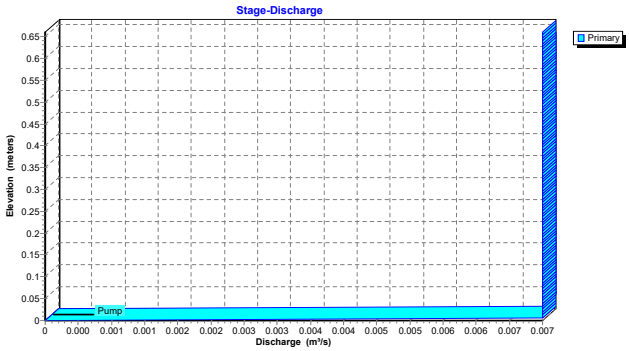
Device	Routing	Invert	Outlet Devices
#1	Primary	0.000 m	**Pump** Discharges@0.000 m Flow (l/min)= 449.9 450.0 Head (meters)= 0.660 0.000

Primary OutFlow Max=0.0075 m³/s @ 0.06 hrs HW=0.009 m (Free Discharge)
↑**1=Pump** (Pump Controls 0.0075 m³/s)

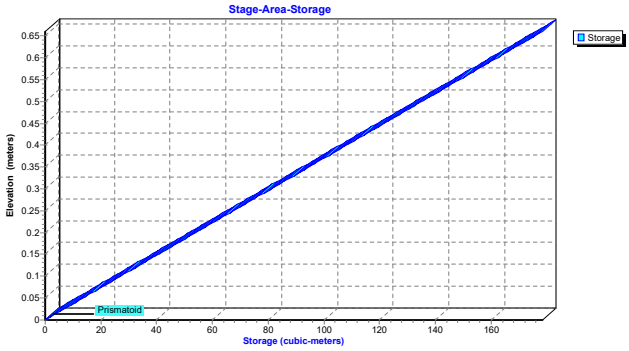
Pond 2P: C/D Cistern



Pond 2P: C/D Cistern



Pond 2P: C/D Cistern



Hydrograph for Pond 2P: C/D Cistern

Time (hours)	Inflow (m³/s)	Storage (cubic-meters)	Elevation (meters)	Primary (m³/s)
0.00	0.0001	0.0	0.000	**0.0000**
0.20	**0.0932**	29.1	0.108	**0.0075**
0.40	**0.0467**	**86.7**	**0.321**	0.0075
0.60	0.0001	**89.7**	**0.332**	0.0075
0.80	0.0001	84.4	0.312	0.0075
1.00	0.0001	79.1	0.292	0.0075
1.20	0.0001	73.7	0.273	0.0075
1.40	0.0001	68.4	0.253	0.0075
1.60	0.0001	63.1	0.233	0.0075
1.80	0.0001	57.7	0.214	0.0075
2.00	0.0001	52.4	0.194	0.0075
2.20	0.0001	47.1	0.174	0.0075
2.40	0.0001	41.8	0.154	0.0075
2.60	0.0001	36.4	0.135	0.0075
2.80	0.0001	31.1	0.115	0.0075
3.00	0.0001	25.8	0.095	0.0075
3.20	0.0001	20.5	0.076	0.0075
3.40	0.0001	15.1	0.056	0.0075
3.60	0.0001	9.8	0.036	0.0075
3.80	0.0001	4.5	0.017	0.0075
4.00	0.0001	0.4	0.002	0.0017
4.20	0.0001	0.0	0.000	0.0002
4.40	0.0001	0.0	0.000	0.0001
4.60	0.0001	0.0	0.000	0.0001
4.80	0.0001	0.0	0.000	0.0001
5.00	0.0001	0.0	0.000	0.0001
5.20	0.0001	0.0	0.000	0.0001
5.40	0.0001	0.0	0.000	0.0001
5.60	0.0001	0.0	0.000	0.0001
5.80	0.0001	0.0	0.000	0.0001
6.00	0.0001	0.0	0.000	0.0001
6.20	0.0001	0.0	0.000	0.0001
6.40	0.0001	0.0	0.000	0.0001
6.60	0.0001	0.0	0.000	0.0001
6.80	0.0001	0.0	0.000	0.0001
7.00	0.0001	0.0	0.000	0.0001
7.20	0.0001	0.0	0.000	0.0001
7.40	0.0001	0.0	0.000	0.0001
7.60	0.0001	0.0	0.000	0.0001
7.80	0.0001	0.0	0.000	0.0001
8.00	0.0001	0.0	0.000	0.0001

Stage-Discharge for Pond 2P: C/D Cistern

Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)
0.000	**0.0000**	0.260	0.0075	0.520	0.0075
0.005	**0.0075**	0.265	0.0075	0.525	0.0075
0.010	0.0075	0.270	0.0075	0.530	0.0075
0.015	0.0075	0.275	0.0075	0.535	0.0075
0.020	0.0075	0.280	0.0075	0.540	0.0075
0.025	0.0075	0.285	0.0075	0.545	0.0075
0.030	0.0075	0.290	0.0075	0.550	0.0075
0.035	0.0075	0.295	0.0075	0.555	0.0075
0.040	0.0075	0.300	0.0075	0.560	0.0075
0.045	0.0075	0.305	0.0075	0.565	0.0075
0.050	0.0075	0.310	0.0075	0.570	0.0075
0.055	0.0075	0.315	0.0075	0.575	0.0075
0.060	0.0075	0.320	0.0075	0.580	0.0075
0.065	0.0075	0.325	0.0075	0.585	0.0075
0.070	0.0075	0.330	0.0075	0.590	0.0075
0.075	0.0075	0.335	0.0075	0.595	0.0075
0.080	0.0075	0.340	0.0075	0.600	0.0075
0.085	0.0075	0.345	0.0075	0.605	0.0075
0.090	0.0075	0.350	0.0075	0.610	0.0075
0.095	0.0075	0.355	0.0075	0.615	0.0075
0.100	0.0075	0.360	0.0075	0.620	0.0075
0.105	0.0075	0.365	0.0075	0.625	0.0075
0.110	0.0075	0.370	0.0075	0.630	0.0075
0.115	0.0075	0.375	0.0075	0.635	0.0075
0.120	0.0075	0.380	0.0075	0.640	0.0075
0.125	0.0075	0.385	0.0075	0.645	0.0075
0.130	0.0075	0.390	0.0075	0.650	0.0075
0.135	0.0075	0.395	0.0075	0.655	0.0075
0.140	0.0075	0.400	0.0075	0.660	0.0075
0.145	0.0075	0.405	0.0075		
0.150	0.0075	0.410	0.0075		
0.155	0.0075	0.415	0.0075		
0.160	0.0075	0.420	0.0075		
0.165	0.0075	0.425	0.0075		
0.170	0.0075	0.430	0.0075		
0.175	0.0075	0.435	0.0075		
0.180	0.0075	0.440	0.0075		
0.185	0.0075	0.445	0.0075		
0.190	0.0075	0.450	0.0075		
0.195	0.0075	0.455	0.0075		
0.200	0.0075	0.460	0.0075		
0.205	0.0075	0.465	0.0075		
0.210	0.0075	0.470	0.0075		
0.215	0.0075	0.475	0.0075		
0.220	0.0075	0.480	0.0075		
0.225	0.0075	0.485	0.0075		
0.230	0.0075	0.490	0.0075		
0.235	0.0075	0.495	0.0075		
0.240	0.0075	0.500	0.0075		
0.245	0.0075	0.505	0.0075		
0.250	0.0075	0.510	0.0075		
0.255	0.0075	0.515	0.0075		

Stage-Area-Storage for Pond 2P: C/D Cistern

Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)
0.000	0.0	0.260	70.3	0.520	140.6
0.005	1.4	0.265	71.6	0.525	141.9
0.010	2.7	0.270	73.0	0.530	143.3
0.015	4.1	0.275	74.3	0.535	144.6
0.020	5.4	0.280	75.7	0.540	146.0
0.025	6.8	0.285	77.0	0.545	147.3
0.030	8.1	0.290	78.4	0.550	148.7
0.035	9.5	0.295	79.7	0.555	150.0
0.040	10.8	0.300	81.1	0.560	151.4
0.045	12.2	0.305	82.5	0.565	152.7
0.050	13.5	0.310	83.8	0.570	154.1
0.055	14.9	0.315	85.2	0.575	155.4
0.060	16.2	0.320	86.5	0.580	156.8
0.065	17.6	0.325	87.9	0.585	158.1
0.070	18.9	0.330	89.2	0.590	159.5
0.075	20.3	0.335	90.6	0.595	160.8
0.080	21.6	0.340	91.9	0.600	162.2
0.085	23.0	0.345	93.3	0.605	163.6
0.090	24.3	0.350	94.6	0.610	164.9
0.095	25.7	0.355	96.0	0.615	166.3
0.100	27.0	0.360	97.3	0.620	167.6
0.105	28.4	0.365	98.7	0.625	169.0
0.110	29.7	0.370	100.0	0.630	170.3
0.115	31.1	0.375	101.4	0.635	171.7
0.120	32.4	0.380	102.7	0.640	173.0
0.125	33.8	0.385	104.1	0.645	174.4
0.130	35.1	0.390	105.4	0.650	175.7
0.135	36.5	0.395	106.8	0.655	177.1
0.140	37.8	0.400	108.1	0.660	**178.4**
0.145	39.2	0.405	109.5		
0.150	40.6	0.410	110.8		
0.155	41.9	0.415	112.2		
0.160	43.3	0.420	113.5		
0.165	44.6	0.425	114.9		
0.170	46.0	0.430	116.2		
0.175	47.3	0.435	117.6		
0.180	48.7	0.440	118.9		
0.185	50.0	0.445	120.3		
0.190	51.4	0.450	121.7		
0.195	52.7	0.455	123.0		
0.200	54.1	0.460	124.4		
0.205	55.4	0.465	125.7		
0.210	56.8	0.470	127.1		
0.215	58.1	0.475	128.4		
0.220	59.5	0.480	129.8		
0.225	60.8	0.485	131.1		
0.230	62.2	0.490	132.5		
0.235	63.5	0.495	133.8		
0.240	64.9	0.500	135.2		
0.245	66.2	0.505	136.5		
0.250	67.6	0.510	137.9		
0.255	68.9	0.515	139.2		

Summary for Pond 5P: A/B Cistern

Inflow Area = 3,592.7 m², 65.27% Impervious, Inflow Depth > 25 mm for 50-Year event
Inflow = 0.0965 m³/s @ 0.25 hrs, Volume= 89.7 m³
Outflow = 0.0150 m³/s @ 0.06 hrs, Volume= 89.7 m³, Atten= 84%, Lag= 0.0 min
Primary = 0.0150 m³/s @ 0.06 hrs, Volume= 89.7 m³
Routed to Link 6L : Bloor St W

Routing by Stor-Ind method, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Peak Elev= 0.726 m @ 0.46 hrs Surf.Area= 86.6 m² Storage= 62.9 m³

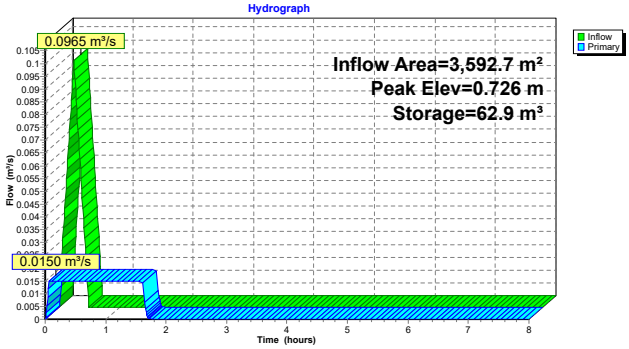
Plug-Flow detention time= 34.6 min calculated for 89.5 m³ (100% of inflow)
Center-of-Mass det. time= 34.5 min (56.8 - 22.2)

Volume	Invert	Avail.Storage	Storage Description
#1	0.000 m	114.4 m³	**1.00 mW x 90.24 mL x 1.32 mH Prismatoid**x 0.96

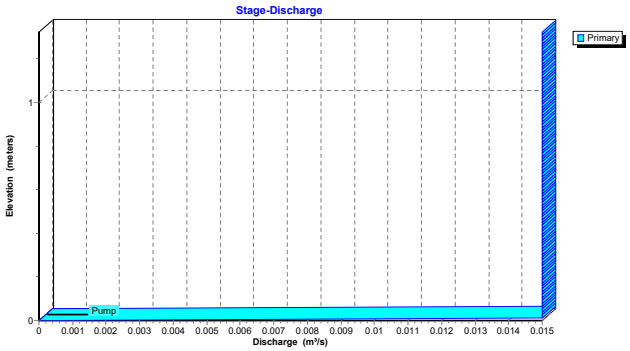
Device	Routing	Invert	Outlet Devices
#1	Primary	0.000 m	**Pump** Discharges@0.000 m Flow (l/min)= 899.9 900.0 Head (meters)= 1.320 0.000

Primary OutFlow Max=0.0150 m³/s @ 0.06 hrs HW=0.014 m (Free Discharge)
↳**1=Pump** (Pump Controls 0.0150 m³/s)

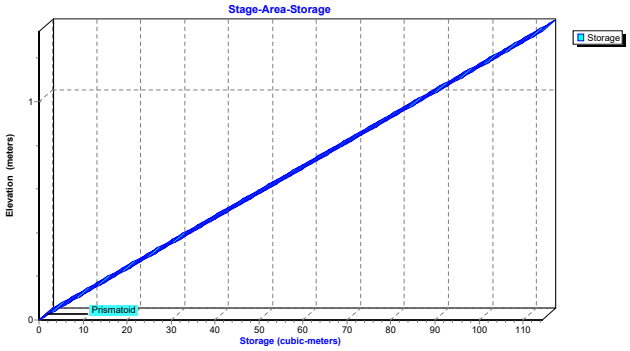
Pond 5P: A/B Cistern



Pond 5P: A/B Cistern



Pond 5P: A/B Cistern



Hydrograph for Pond 5P: A/B Cistern

Time (hours)	Inflow (m³/s)	Storage (cubic-meters)	Elevation (meters)	Primary (m³/s)
0.00	0.0001	0.0	0.000	**0.0000**
0.20	**0.0772**	19.0	0.219	**0.0150**
0.40	**0.0387**	**60.3**	**0.696**	0.0150
0.60	0.0001	**56.5**	**0.652**	0.0150
0.80	0.0001	45.8	0.528	0.0150
1.00	0.0001	35.1	0.405	0.0150
1.20	0.0001	24.3	0.281	0.0150
1.40	0.0001	13.6	0.157	0.0150
1.60	0.0001	2.9	0.033	0.0150
1.80	0.0001	0.0	0.000	0.0001
2.00	0.0001	0.0	0.000	0.0001
2.20	0.0001	0.0	0.000	0.0001
2.40	0.0001	0.0	0.000	0.0001
2.60	0.0001	0.0	0.000	0.0001
2.80	0.0001	0.0	0.000	0.0001
3.00	0.0001	0.0	0.000	0.0001
3.20	0.0001	0.0	0.000	0.0001
3.40	0.0001	0.0	0.000	0.0001
3.60	0.0001	0.0	0.000	0.0001
3.80	0.0001	0.0	0.000	0.0001
4.00	0.0001	0.0	0.000	0.0001
4.20	0.0001	0.0	0.000	0.0001
4.40	0.0001	0.0	0.000	0.0001
4.60	0.0001	0.0	0.000	0.0001
4.80	0.0001	0.0	0.000	0.0001
5.00	0.0001	0.0	0.000	0.0001
5.20	0.0001	0.0	0.000	0.0001
5.40	0.0001	0.0	0.000	0.0001
5.60	0.0001	0.0	0.000	0.0001
5.80	0.0001	0.0	0.000	0.0001
6.00	0.0001	0.0	0.000	0.0001
6.20	0.0001	0.0	0.000	0.0001
6.40	0.0001	0.0	0.000	0.0001
6.60	0.0001	0.0	0.000	0.0001
6.80	0.0001	0.0	0.000	0.0001
7.00	0.0001	0.0	0.000	0.0001
7.20	0.0001	0.0	0.000	0.0001
7.40	0.0001	0.0	0.000	0.0001
7.60	0.0001	0.0	0.000	0.0001
7.80	0.0001	0.0	0.000	0.0001
8.00	0.0001	0.0	0.000	0.0001

Stage-Discharge for Pond 5P: A/B Cistern

Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)
0.000	**0.0000**	0.520	0.0150	1.040	0.0150
0.010	**0.0150**	0.530	0.0150	1.050	0.0150
0.020	0.0150	0.540	0.0150	1.060	0.0150
0.030	0.0150	0.550	0.0150	1.070	0.0150
0.040	0.0150	0.560	0.0150	1.080	0.0150
0.050	0.0150	0.570	0.0150	1.090	0.0150
0.060	0.0150	0.580	0.0150	1.100	0.0150
0.070	0.0150	0.590	0.0150	1.110	0.0150
0.080	0.0150	0.600	0.0150	1.120	0.0150
0.090	0.0150	0.610	0.0150	1.130	0.0150
0.100	0.0150	0.620	0.0150	1.140	0.0150
0.110	0.0150	0.630	0.0150	1.150	0.0150
0.120	0.0150	0.640	0.0150	1.160	0.0150
0.130	0.0150	0.650	0.0150	1.170	0.0150
0.140	0.0150	0.660	0.0150	1.180	0.0150
0.150	0.0150	0.670	0.0150	1.190	0.0150
0.160	0.0150	0.680	0.0150	1.200	0.0150
0.170	0.0150	0.690	0.0150	1.210	0.0150
0.180	0.0150	0.700	0.0150	1.220	0.0150
0.190	0.0150	0.710	0.0150	1.230	0.0150
0.200	0.0150	0.720	0.0150	1.240	0.0150
0.210	0.0150	0.730	0.0150	1.250	0.0150
0.220	0.0150	0.740	0.0150	1.260	0.0150
0.230	0.0150	0.750	0.0150	1.270	0.0150
0.240	0.0150	0.760	0.0150	1.280	0.0150
0.250	0.0150	0.770	0.0150	1.290	0.0150
0.260	0.0150	0.780	0.0150	1.300	0.0150
0.270	0.0150	0.790	0.0150	1.310	0.0150
0.280	0.0150	0.800	0.0150	1.320	0.0150
0.290	0.0150	0.810	0.0150		
0.300	0.0150	0.820	0.0150		
0.310	0.0150	0.830	0.0150		
0.320	0.0150	0.840	0.0150		
0.330	0.0150	0.850	0.0150		
0.340	0.0150	0.860	0.0150		
0.350	0.0150	0.870	0.0150		
0.360	0.0150	0.880	0.0150		
0.370	0.0150	0.890	0.0150		
0.380	0.0150	0.900	0.0150		
0.390	0.0150	0.910	0.0150		
0.400	0.0150	0.920	0.0150		
0.410	0.0150	0.930	0.0150		
0.420	0.0150	0.940	0.0150		
0.430	0.0150	0.950	0.0150		
0.440	0.0150	0.960	0.0150		
0.450	0.0150	0.970	0.0150		
0.460	0.0150	0.980	0.0150		
0.470	0.0150	0.990	0.0150		
0.480	0.0150	1.000	0.0150		
0.490	0.0150	1.010	0.0150		
0.500	0.0150	1.020	0.0150		
0.510	0.0150	1.030	0.0150		

Stage-Area-Storage for Pond 5P: A/B Cistern

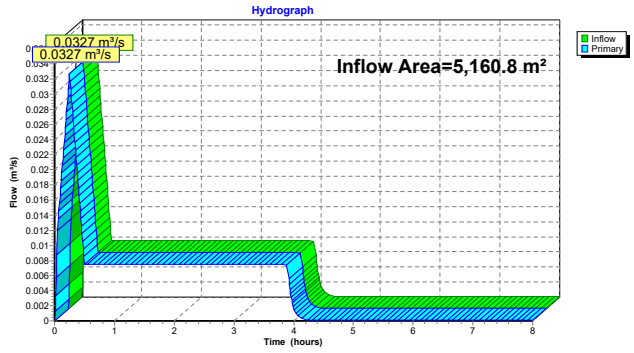
Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)
0.000	0.0	0.520	45.0	1.040	90.1
0.010	0.9	0.530	45.9	1.050	91.0
0.020	1.7	0.540	46.8	1.060	91.8
0.030	2.6	0.550	47.6	1.070	92.7
0.040	3.5	0.560	48.5	1.080	93.6
0.050	4.3	0.570	49.4	1.090	94.4
0.060	5.2	0.580	50.2	1.100	95.3
0.070	6.1	0.590	51.1	1.110	96.2
0.080	6.9	0.600	52.0	1.120	97.0
0.090	7.8	0.610	52.8	1.130	97.9
0.100	8.7	0.620	53.7	1.140	98.8
0.110	9.5	0.630	54.6	1.150	99.6
0.120	10.4	0.640	55.4	1.160	100.5
0.130	11.3	0.650	56.3	1.170	101.4
0.140	12.1	0.660	57.2	1.180	102.2
0.150	13.0	0.670	58.0	1.190	103.1
0.160	13.9	0.680	58.9	1.200	104.0
0.170	14.7	0.690	59.8	1.210	104.8
0.180	15.6	0.700	60.6	1.220	105.7
0.190	16.5	0.710	61.5	1.230	106.6
0.200	17.3	0.720	62.4	1.240	107.4
0.210	18.2	0.730	63.2	1.250	108.3
0.220	19.1	0.740	64.1	1.260	109.2
0.230	19.9	0.750	65.0	1.270	110.0
0.240	20.8	0.760	65.8	1.280	110.9
0.250	21.7	0.770	66.7	1.290	111.8
0.260	22.5	0.780	67.6	1.300	112.6
0.270	23.4	0.790	68.4	1.310	113.5
0.280	24.3	0.800	69.3	1.320	**114.4**
0.290	25.1	0.810	70.2		
0.300	26.0	0.820	71.0		
0.310	26.9	0.830	71.9		
0.320	27.7	0.840	72.8		
0.330	28.6	0.850	73.6		
0.340	29.5	0.860	74.5		
0.350	30.3	0.870	75.4		
0.360	31.2	0.880	76.2		
0.370	32.1	0.890	77.1		
0.380	32.9	0.900	78.0		
0.390	33.8	0.910	78.8		
0.400	34.7	0.920	79.7		
0.410	35.5	0.930	80.6		
0.420	36.4	0.940	81.4		
0.430	37.3	0.950	82.3		
0.440	38.1	0.960	83.2		
0.450	39.0	0.970	84.0		
0.460	39.8	0.980	84.9		
0.470	40.7	0.990	85.8		
0.480	41.6	1.000	86.6		
0.490	42.4	1.010	87.5		
0.500	43.3	1.020	88.4		
0.510	44.2	1.030	89.2		

Summary for Link 3L: Riverspray Cres

Inflow Area = 5,160.8 m², 67.96% Impervious, Inflow Depth > 25 mm for 50-Year event
Inflow = 0.0327 m³/s @ 0.25 hrs, Volume= 130.3 m³
Primary = 0.0327 m³/s @ 0.25 hrs, Volume= 130.3 m³, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

Link 3L: Riverspray Cres



Hydrograph for Link 3L: Riverspray Cres

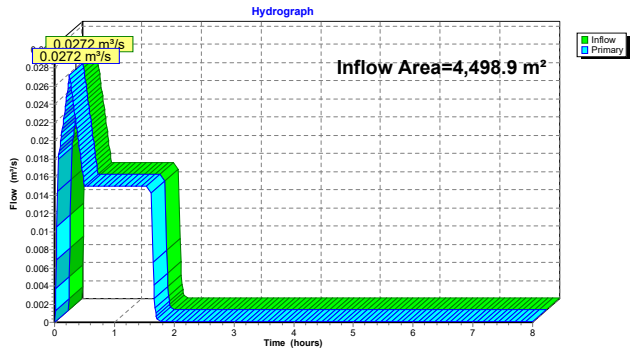
Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	0.0000	**0.000**	0.0000	5.20	0.0001	0.000	0.0001
0.10	0.0176	0.000	0.0176	5.30	0.0001	0.000	0.0001
0.20	**0.0276**	0.000	**0.0276**	5.40	0.0001	0.000	0.0001
0.30	**0.0276**	0.000	**0.0276**	5.50	0.0001	0.000	0.0001
0.40	0.0176	0.000	0.0176	5.60	0.0001	0.000	0.0001
0.50	0.0075	0.000	0.0075	5.70	0.0001	0.000	0.0001
0.60	0.0075	0.000	0.0075	5.80	0.0001	0.000	0.0001
0.70	0.0075	0.000	0.0075	5.90	0.0001	0.000	0.0001
0.80	0.0075	0.000	0.0075	6.00	0.0001	0.000	0.0001
0.90	0.0075	0.000	0.0075	6.10	0.0001	0.000	0.0001
1.00	0.0075	0.000	0.0075	6.20	0.0001	0.000	0.0001
1.10	0.0075	0.000	0.0075	6.30	0.0001	0.000	0.0001
1.20	0.0075	0.000	0.0075	6.40	0.0001	0.000	0.0001
1.30	0.0075	0.000	0.0075	6.50	0.0001	0.000	0.0001
1.40	0.0075	0.000	0.0075	6.60	0.0001	0.000	0.0001
1.50	0.0075	0.000	0.0075	6.70	0.0001	0.000	0.0001
1.60	0.0075	0.000	0.0075	6.80	0.0001	0.000	0.0001
1.70	0.0075	0.000	0.0075	6.90	0.0001	0.000	0.0001
1.80	0.0075	0.000	0.0075	7.00	0.0001	0.000	0.0001
1.90	0.0075	0.000	0.0075	7.10	0.0001	0.000	0.0001
2.00	0.0075	0.000	0.0075	7.20	0.0001	0.000	0.0001
2.10	0.0075	0.000	0.0075	7.30	0.0001	0.000	0.0001
2.20	0.0075	0.000	0.0075	7.40	0.0001	0.000	0.0001
2.30	0.0075	0.000	0.0075	7.50	0.0001	0.000	0.0001
2.40	0.0075	0.000	0.0075	7.60	0.0001	0.000	0.0001
2.50	0.0075	0.000	0.0075	7.70	0.0001	0.000	0.0001
2.60	0.0075	0.000	0.0075	7.80	0.0001	0.000	0.0001
2.70	0.0075	0.000	0.0075	7.90	0.0001	0.000	0.0001
2.80	0.0075	0.000	0.0075	8.00	0.0001	0.000	0.0001
2.90	0.0075	0.000	0.0075				
3.00	0.0075	0.000	0.0075				
3.10	0.0075	0.000	0.0075				
3.20	0.0075	0.000	0.0075				
3.30	0.0075	0.000	0.0075				
3.40	0.0075	0.000	0.0075				
3.50	0.0075	0.000	0.0075				
3.60	0.0075	0.000	0.0075				
3.70	0.0075	0.000	0.0075				
3.80	0.0075	0.000	0.0075				
3.90	0.0075	0.000	0.0075				
4.00	0.0017	0.000	0.0017				
4.10	0.0005	0.000	0.0005				
4.20	0.0002	0.000	0.0002				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

Summary for Link 6L: Bloor St W

Inflow Area = 4,498.9 m², 54.56% Impervious, Inflow Depth > 22 mm for 50-Year event
Inflow = 0.0272 m³/s @ 0.25 hrs, Volume= 100.6 m³
Primary = 0.0272 m³/s @ 0.25 hrs, Volume= 100.6 m³, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

Link 6L: Bloor St W



Hydrograph for Link 6L: Bloor St W

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	0.0000	**0.000**	0.0000	5.20	0.0001	0.000	0.0001
0.10	0.0199	0.000	0.0199	5.30	0.0001	0.000	0.0001
0.20	**0.0247**	0.000	**0.0247**	5.40	0.0001	0.000	0.0001
0.30	**0.0247**	0.000	**0.0247**	5.50	0.0001	0.000	0.0001
0.40	0.0199	0.000	0.0199	5.60	0.0001	0.000	0.0001
0.50	0.0150	0.000	0.0150	5.70	0.0001	0.000	0.0001
0.60	0.0150	0.000	0.0150	5.80	0.0001	0.000	0.0001
0.70	0.0150	0.000	0.0150	5.90	0.0001	0.000	0.0001
0.80	0.0150	0.000	0.0150	6.00	0.0001	0.000	0.0001
0.90	0.0150	0.000	0.0150	6.10	0.0001	0.000	0.0001
1.00	0.0150	0.000	0.0150	6.20	0.0001	0.000	0.0001
1.10	0.0150	0.000	0.0150	6.30	0.0001	0.000	0.0001
1.20	0.0150	0.000	0.0150	6.40	0.0001	0.000	0.0001
1.30	0.0150	0.000	0.0150	6.50	0.0001	0.000	0.0001
1.40	0.0150	0.000	0.0150	6.60	0.0001	0.000	0.0001
1.50	0.0150	0.000	0.0150	6.70	0.0001	0.000	0.0001
1.60	0.0150	0.000	0.0150	6.80	0.0001	0.000	0.0001
1.70	0.0007	0.000	0.0007	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

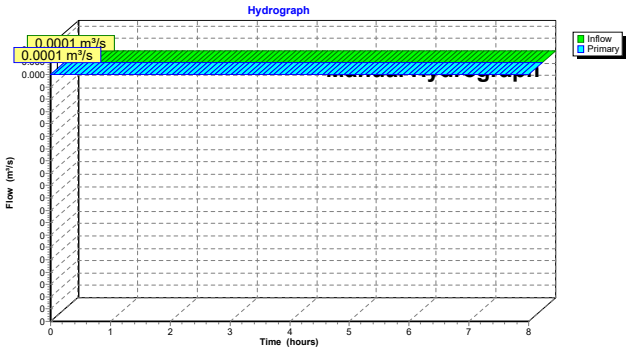
Summary for Link 10L: Groundwater

Inflow = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³
Primary = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³, Atten= 0%, Lag= 0.0 min
Routed to Pond 5P : A/B Cistern

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

9 Point manual hydrograph, To= 0.00 hrs, dt= 1.00 hrs, m³/s =
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001

Link 10L: Groundwater



Hydrograph for Link 10L: Groundwater

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	**0.0001**	**0.000**	**0.0001**	5.20	0.0001	0.000	0.0001
0.10	0.0001	0.000	0.0001	5.30	0.0001	0.000	0.0001
0.20	0.0001	0.000	0.0001	5.40	0.0001	0.000	0.0001
0.30	0.0001	0.000	0.0001	5.50	0.0001	0.000	0.0001
0.40	0.0001	0.000	0.0001	5.60	0.0001	0.000	0.0001
0.50	0.0001	0.000	0.0001	5.70	0.0001	0.000	0.0001
0.60	0.0001	0.000	0.0001	5.80	0.0001	0.000	0.0001
0.70	0.0001	0.000	0.0001	5.90	0.0001	0.000	0.0001
0.80	0.0001	0.000	0.0001	6.00	0.0001	0.000	0.0001
0.90	0.0001	0.000	0.0001	6.10	0.0001	0.000	0.0001
1.00	0.0001	0.000	0.0001	6.20	0.0001	0.000	0.0001
1.10	0.0001	0.000	0.0001	6.30	0.0001	0.000	0.0001
1.20	0.0001	0.000	0.0001	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

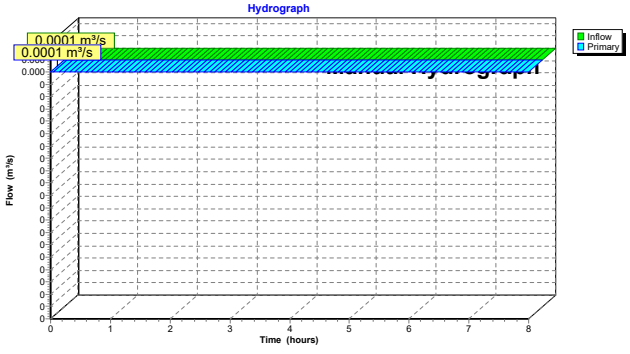
Summary for Link 11L: Groundwater

Inflow = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³
Primary = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³, Atten= 0%, Lag= 0.0 min
Routed to Pond 2P : C/D Cistern

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

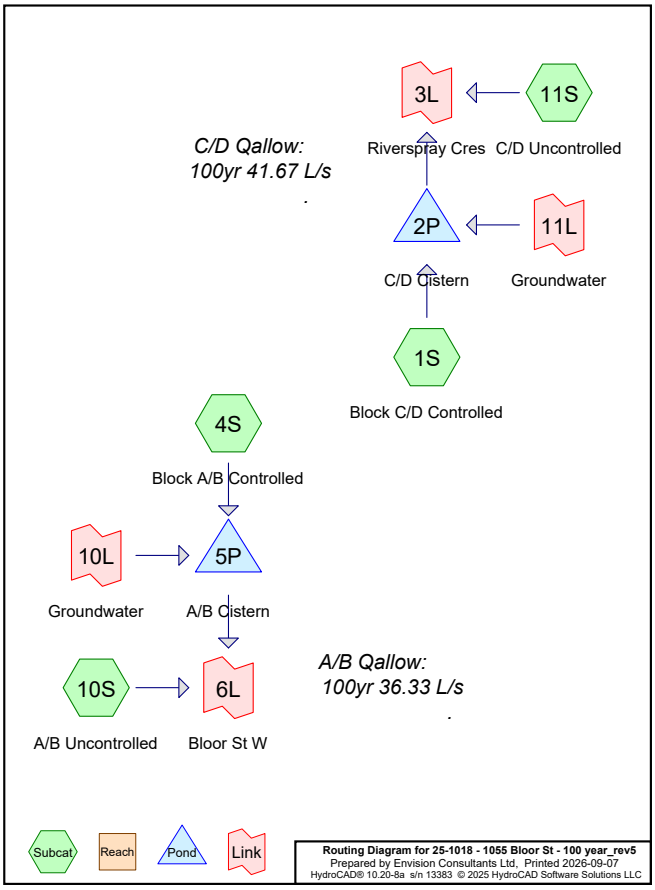
9 Point manual hydrograph, To= 0.00 hrs, dt= 1.00 hrs, m³/s =
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001

Link 11L: Groundwater



Hydrograph for Link 11L: Groundwater

Time (hours)	Inflow (m^3/s)	Elevation (meters)	Primary (m^3/s)	Time (hours)	Inflow (m^3/s)	Elevation (meters)	Primary (m^3/s)
0.00	**0.0001**	**0.000**	**0.0001**	5.20	0.0001	0.000	0.0001
0.10	0.0001	0.000	0.0001	5.30	0.0001	0.000	0.0001
0.20	0.0001	0.000	0.0001	5.40	0.0001	0.000	0.0001
0.30	0.0001	0.000	0.0001	5.50	0.0001	0.000	0.0001
0.40	0.0001	0.000	0.0001	5.60	0.0001	0.000	0.0001
0.50	0.0001	0.000	0.0001	5.70	0.0001	0.000	0.0001
0.60	0.0001	0.000	0.0001	5.80	0.0001	0.000	0.0001
0.70	0.0001	0.000	0.0001	5.90	0.0001	0.000	0.0001
0.80	0.0001	0.000	0.0001	6.00	0.0001	0.000	0.0001
0.90	0.0001	0.000	0.0001	6.10	0.0001	0.000	0.0001
1.00	0.0001	0.000	0.0001	6.20	0.0001	0.000	0.0001
1.10	0.0001	0.000	0.0001	6.30	0.0001	0.000	0.0001
1.20	0.0001	0.000	0.0001	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				



Area Listing (all nodes)

Area (sq-meters)	C	Description (subcatchment-numbers)
62.0	0.32	External (4S)
614.7	1.00	Impervious (10S, 11S)
1,925.4	1.00	Impervious At-Grade (1S, 4S)
3,421.5	1.00	Roof Area (1S, 4S)
3,636.1	0.32	Softscape (1S, 4S, 10S, 11S)
9,659.7	**0.74**	**TOTAL AREA**

Time span=0.00-8.00 hrs, dt=0.01 hrs, 801 points
Runoff by Rational method, Rise/Fall=1.0/1.0 xTc
Reach routing by Stor-Ind+Trans method - Pond routing by Stor-Ind method

Subcatchment1S: Block C/D Controlled Runoff Area=3,972.4 m² 75.57% Impervious Runoff Depth=49 mm
Tc=15.0 min C=0.83 Runoff=0.0449 m³/s 193.9 m³

Subcatchment4S: Block A/B Controlled Runoff Area=3,592.7 m² 65.27% Impervious Runoff Depth=45 mm
Tc=15.0 min C=0.76 Runoff=0.0372 m³/s 160.6 m³

Subcatchment10S: A/B Uncontrolled Runoff Area=906.2 m² 12.07% Impervious Runoff Depth=24 mm
Tc=15.0 min C=0.40 Runoff=0.0049 m³/s 21.3 m³

Subcatchment11S: C/D Uncontrolled Runoff Area=1,188.4 m² 42.52% Impervious Runoff Depth=36 mm
Tc=15.0 min C=0.61 Runoff=0.0099 m³/s 42.6 m³

Pond 2P: C/D Cistern Peak Elev=0.582 m Storage=157.4 m³ Inflow=0.0450 m³/s 196.8 m³
Outflow=0.0075 m³/s 196.8 m³

Pond 5P: A/B Cistern Peak Elev=1.030 m Storage=89.2 m³ Inflow=0.0373 m³/s 163.5 m³
Outflow=0.0150 m³/s 163.5 m³

Link 3L: Riverspray Cres Inflow=0.0174 m³/s 239.4 m³
Primary=0.0174 m³/s 239.4 m³

Link 6L: Bloor St W Inflow=0.0199 m³/s 184.8 m³
Primary=0.0199 m³/s 184.8 m³

Link 10L: Groundwater Manual Hydrograph Inflow=0.0001 m³/s 2.9 m³
Primary=0.0001 m³/s 2.9 m³

Link 11L: Groundwater Manual Hydrograph Inflow=0.0001 m³/s 2.9 m³
Primary=0.0001 m³/s 2.9 m³

Total Runoff Area = 9,659.7 m² Runoff Volume = 418.5 m³ Average Runoff Depth = 43 mm
38.28% Pervious = 3,698.1 m² 61.72% Impervious = 5,961.6 m²

Summary for Subcatchment 1S: Block C/D Controlled

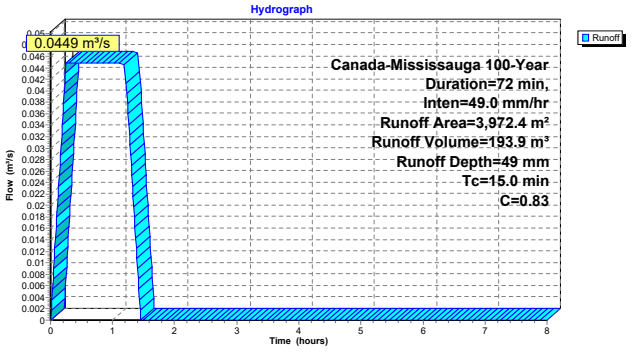
Runoff = 0.0449 m³/s @ 0.25 hrs, Volume= 193.9 m³, Depth= 49 mm
Routed to Pond 2P : C/D Cistern

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 100-Year Duration=72 min, Inten=49.0 mm/hr

Area (m²)	C	Description
1,952.9	1.00	Roof Area
1,048.9	1.00	Impervious At-Grade
970.6	0.32	Softscape
3,972.4	0.83	Weighted Average
970.6		24.43% Pervious Area
3,001.8		75.57% Impervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 1S: Block C/D Controlled



Hydrograph for Subcatchment 1S: Block C/D Controlled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0090	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0180	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0269	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0359	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0449**	2.85	0.0000	5.45	0.0000		
0.30	0.0449	2.90	0.0000	5.50	0.0000		
0.35	0.0449	2.95	0.0000	5.55	0.0000		
0.40	0.0449	3.00	0.0000	5.60	0.0000		
0.45	0.0449	3.05	0.0000	5.65	0.0000		
0.50	0.0449	3.10	0.0000	5.70	0.0000		
0.55	0.0449	3.15	0.0000	5.75	0.0000		
0.60	0.0449	3.20	0.0000	5.80	0.0000		
0.65	0.0449	3.25	0.0000	5.85	0.0000		
0.70	0.0449	3.30	0.0000	5.90	0.0000		
0.75	0.0449	3.35	0.0000	5.95	0.0000		
0.80	0.0449	3.40	0.0000	6.00	0.0000		
0.85	0.0449	3.45	0.0000	6.05	0.0000		
0.90	0.0449	3.50	0.0000	6.10	0.0000		
0.95	0.0449	3.55	0.0000	6.15	0.0000		
1.00	0.0449	3.60	0.0000	6.20	0.0000		
1.05	0.0449	3.65	0.0000	6.25	0.0000		
1.10	0.0449	3.70	0.0000	6.30	0.0000		
1.15	0.0449	3.75	0.0000	6.35	0.0000		
1.20	0.0449	3.80	0.0000	6.40	0.0000		
1.25	0.0359	3.85	0.0000	6.45	0.0000		
1.30	0.0269	3.90	0.0000	6.50	0.0000		
1.35	0.0180	3.95	0.0000	6.55	0.0000		
1.40	0.0090	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 4S: Block A/B Controlled

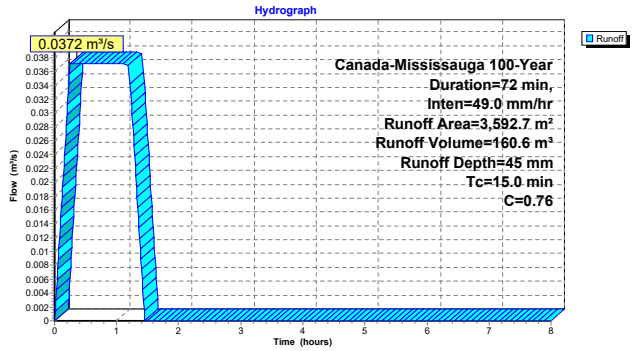
Runoff = 0.0372 m³/s @ 0.25 hrs, Volume= 160.6 m³, Depth= 45 mm
Routed to Pond 5P : A/B Cistern

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 100-Year Duration=72 min, Inten=49.0 mm/hr

Area (m²)	C	Description
1,468.6	1.00	Roof Area
876.5	1.00	Impervious At-Grade
1,185.6	0.32	Softscape
62.0	0.32	External
3,592.7	0.76	Weighted Average
1,247.6		34.73% Pervious Area
2,345.1		65.27% Impervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 4S: Block A/B Controlled



Hydrograph for Subcatchment 4S: Block A/B Controlled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0074	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0149	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0223	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0297	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0372**	2.85	0.0000	5.45	0.0000		
0.30	0.0372	2.90	0.0000	5.50	0.0000		
0.35	0.0372	2.95	0.0000	5.55	0.0000		
0.40	0.0372	3.00	0.0000	5.60	0.0000		
0.45	0.0372	3.05	0.0000	5.65	0.0000		
0.50	0.0372	3.10	0.0000	5.70	0.0000		
0.55	0.0372	3.15	0.0000	5.75	0.0000		
0.60	0.0372	3.20	0.0000	5.80	0.0000		
0.65	0.0372	3.25	0.0000	5.85	0.0000		
0.70	0.0372	3.30	0.0000	5.90	0.0000		
0.75	0.0372	3.35	0.0000	5.95	0.0000		
0.80	0.0372	3.40	0.0000	6.00	0.0000		
0.85	0.0372	3.45	0.0000	6.05	0.0000		
0.90	0.0372	3.50	0.0000	6.10	0.0000		
0.95	0.0372	3.55	0.0000	6.15	0.0000		
1.00	0.0372	3.60	0.0000	6.20	0.0000		
1.05	0.0372	3.65	0.0000	6.25	0.0000		
1.10	0.0372	3.70	0.0000	6.30	0.0000		
1.15	0.0372	3.75	0.0000	6.35	0.0000		
1.20	0.0372	3.80	0.0000	6.40	0.0000		
1.25	0.0297	3.85	0.0000	6.45	0.0000		
1.30	0.0223	3.90	0.0000	6.50	0.0000		
1.35	0.0149	3.95	0.0000	6.55	0.0000		
1.40	0.0074	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 10S: A/B Uncontrolled

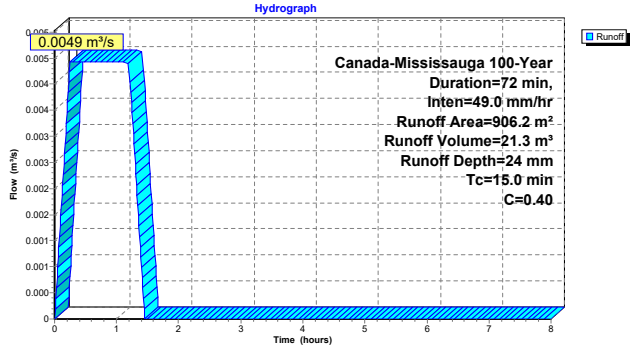
Runoff = 0.0049 m³/s @ 0.25 hrs, Volume= 21.3 m³, Depth= 24 mm
Routed to Link 6L : Bloor St W

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 100-Year Duration=72 min, Inten=49.0 mm/hr

Area (m²)	C	Description
109.4	1.00	Impervious
796.8	0.32	Softscape
906.2	0.40	Weighted Average
796.8		87.93% Pervious Area
109.4		12.07% Impervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 10S: A/B Uncontrolled



Hydrograph for Subcatchment 10S: A/B Uncontrolled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0010	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0020	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0030	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0039	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0049**	2.85	0.0000	5.45	0.0000		
0.30	0.0049	2.90	0.0000	5.50	0.0000		
0.35	0.0049	2.95	0.0000	5.55	0.0000		
0.40	0.0049	3.00	0.0000	5.60	0.0000		
0.45	0.0049	3.05	0.0000	5.65	0.0000		
0.50	0.0049	3.10	0.0000	5.70	0.0000		
0.55	0.0049	3.15	0.0000	5.75	0.0000		
0.60	0.0049	3.20	0.0000	5.80	0.0000		
0.65	0.0049	3.25	0.0000	5.85	0.0000		
0.70	0.0049	3.30	0.0000	5.90	0.0000		
0.75	0.0049	3.35	0.0000	5.95	0.0000		
0.80	0.0049	3.40	0.0000	6.00	0.0000		
0.85	0.0049	3.45	0.0000	6.05	0.0000		
0.90	0.0049	3.50	0.0000	6.10	0.0000		
0.95	0.0049	3.55	0.0000	6.15	0.0000		
1.00	0.0049	3.60	0.0000	6.20	0.0000		
1.05	0.0049	3.65	0.0000	6.25	0.0000		
1.10	0.0049	3.70	0.0000	6.30	0.0000		
1.15	0.0049	3.75	0.0000	6.35	0.0000		
1.20	0.0049	3.80	0.0000	6.40	0.0000		
1.25	0.0039	3.85	0.0000	6.45	0.0000		
1.30	0.0030	3.90	0.0000	6.50	0.0000		
1.35	0.0020	3.95	0.0000	6.55	0.0000		
1.40	0.0010	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Subcatchment 11S: C/D Uncontrolled

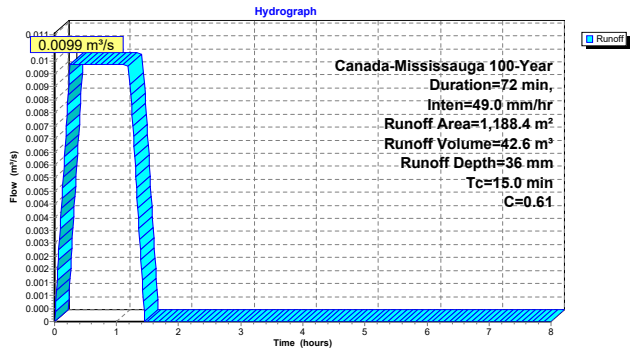
Runoff = 0.0099 m³/s @ 0.25 hrs, Volume= 42.6 m³, Depth= 36 mm
Routed to Link 3L : Riverspray Cres

Runoff by Rational method, Rise/Fall=1.0/1.0 xTc, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Canada-Mississauga 100-Year Duration=72 min, Inten=49.0 mm/hr

Area (m²)	C	Description
505.3	1.00	Impervious
683.1	0.32	Softscape
1,188.4	0.61	Weighted Average
683.1		57.48% Pervious Area
505.3		42.52% Impervious Area

Tc (min)	Length (meters)	Slope (m/m)	Velocity (m/sec)	Capacity (m³/s)	Description
15.0					**Direct Entry,**

Subcatchment 11S: C/D Uncontrolled



Hydrograph for Subcatchment 11S: C/D Uncontrolled

Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)	Time (hours)	Runoff (m³/s)
0.00	0.0000	2.60	0.0000	5.20	0.0000	7.80	0.0000
0.05	0.0020	2.65	0.0000	5.25	0.0000	7.85	0.0000
0.10	0.0039	2.70	0.0000	5.30	0.0000	7.90	0.0000
0.15	0.0059	2.75	0.0000	5.35	0.0000	7.95	0.0000
0.20	0.0079	2.80	0.0000	5.40	0.0000	8.00	0.0000
0.25	**0.0099**	2.85	0.0000	5.45	0.0000		
0.30	0.0099	2.90	0.0000	5.50	0.0000		
0.35	0.0099	2.95	0.0000	5.55	0.0000		
0.40	0.0099	3.00	0.0000	5.60	0.0000		
0.45	0.0099	3.05	0.0000	5.65	0.0000		
0.50	0.0099	3.10	0.0000	5.70	0.0000		
0.55	0.0099	3.15	0.0000	5.75	0.0000		
0.60	0.0099	3.20	0.0000	5.80	0.0000		
0.65	0.0099	3.25	0.0000	5.85	0.0000		
0.70	0.0099	3.30	0.0000	5.90	0.0000		
0.75	0.0099	3.35	0.0000	5.95	0.0000		
0.80	0.0099	3.40	0.0000	6.00	0.0000		
0.85	0.0099	3.45	0.0000	6.05	0.0000		
0.90	0.0099	3.50	0.0000	6.10	0.0000		
0.95	0.0099	3.55	0.0000	6.15	0.0000		
1.00	0.0099	3.60	0.0000	6.20	0.0000		
1.05	0.0099	3.65	0.0000	6.25	0.0000		
1.10	0.0099	3.70	0.0000	6.30	0.0000		
1.15	0.0099	3.75	0.0000	6.35	0.0000		
1.20	0.0099	3.80	0.0000	6.40	0.0000		
1.25	0.0079	3.85	0.0000	6.45	0.0000		
1.30	0.0059	3.90	0.0000	6.50	0.0000		
1.35	0.0039	3.95	0.0000	6.55	0.0000		
1.40	0.0020	4.00	0.0000	6.60	0.0000		
1.45	0.0000	4.05	0.0000	6.65	0.0000		
1.50	0.0000	4.10	0.0000	6.70	0.0000		
1.55	0.0000	4.15	0.0000	6.75	0.0000		
1.60	0.0000	4.20	0.0000	6.80	0.0000		
1.65	0.0000	4.25	0.0000	6.85	0.0000		
1.70	0.0000	4.30	0.0000	6.90	0.0000		
1.75	0.0000	4.35	0.0000	6.95	0.0000		
1.80	0.0000	4.40	0.0000	7.00	0.0000		
1.85	0.0000	4.45	0.0000	7.05	0.0000		
1.90	0.0000	4.50	0.0000	7.10	0.0000		
1.95	0.0000	4.55	0.0000	7.15	0.0000		
2.00	0.0000	4.60	0.0000	7.20	0.0000		
2.05	0.0000	4.65	0.0000	7.25	0.0000		
2.10	0.0000	4.70	0.0000	7.30	0.0000		
2.15	0.0000	4.75	0.0000	7.35	0.0000		
2.20	0.0000	4.80	0.0000	7.40	0.0000		
2.25	0.0000	4.85	0.0000	7.45	0.0000		
2.30	0.0000	4.90	0.0000	7.50	0.0000		
2.35	0.0000	4.95	0.0000	7.55	0.0000		
2.40	0.0000	5.00	0.0000	7.60	0.0000		
2.45	0.0000	5.05	0.0000	7.65	0.0000		
2.50	0.0000	5.10	0.0000	7.70	0.0000		
2.55	0.0000	5.15	0.0000	7.75	0.0000		

Summary for Pond 2P: C/D Cistern

Inflow Area = 3,972.4 m², 75.57% Impervious, Inflow Depth > 50 mm for 100-Year event
Inflow = 0.0450 m³/s @ 0.25 hrs, Volume= 196.8 m³
Outflow = 0.0075 m³/s @ 0.10 hrs, Volume= 196.8 m³, Atten= 83%, Lag= 0.0 min
Primary = 0.0075 m³/s @ 0.10 hrs, Volume= 196.8 m³
Routed to Link 3L : Riverspray Cres

Routing by Stor-Ind method, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Peak Elev= 0.582 m @ 1.41 hrs Surf.Area= 270.3 m² Storage= 157.4 m³

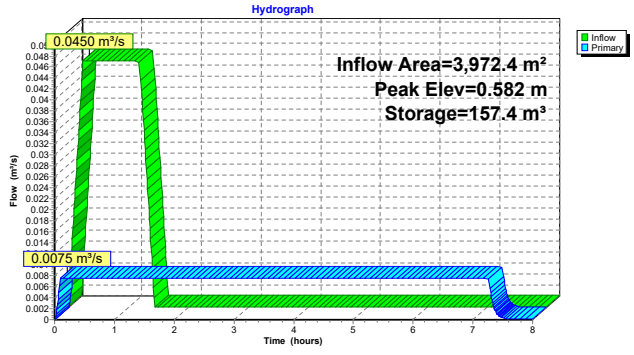
Plug-Flow detention time= 175.8 min calculated for 196.8 m³ (100% of inflow)
Center-of-Mass det. time= 175.7 min (222.1 - 46.4)

Volume	Invert	Avail.Storage	Storage Description
#1	0.000 m	178.4 m³	**1.00 mW x 281.60 mL x 0.66 mH Prismatoid**x 0.96

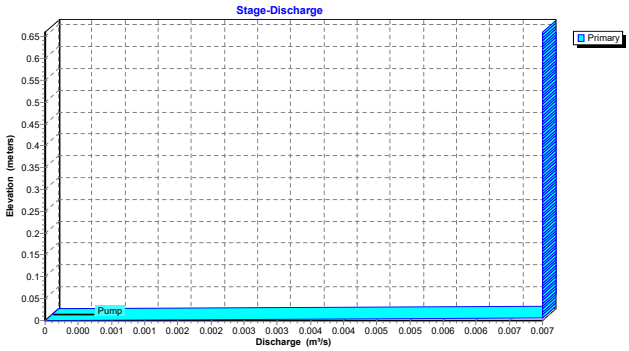
Device	Routing	Invert	Outlet Devices
#1	Primary	0.000 m	**Pump** Discharges@0.000 m Flow (l/min)= 449.9 450.0 Head (meters)= 0.660 0.000

Primary OutFlow Max=0.0075 m³/s @ 0.10 hrs HW=0.008 m (Free Discharge)
↑**1=Pump** (Pump Controls 0.0075 m³/s)

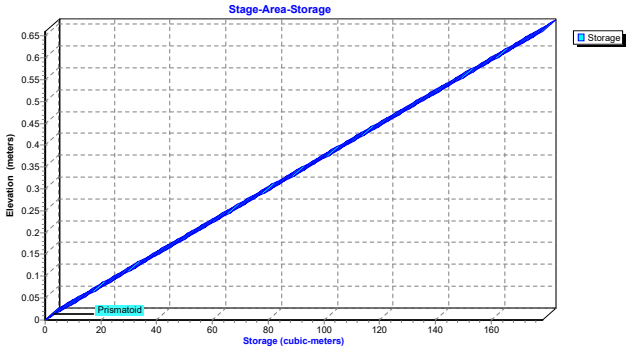
Pond 2P: C/D Cistern



Pond 2P: C/D Cistern



Pond 2P: C/D Cistern



Hydrograph for Pond 2P: C/D Cistern

Time (hours)	Inflow (m³/s)	Storage (cubic-meters)	Elevation (meters)	Primary (m³/s)
0.00	0.0001	0.0	0.000	**0.0000**
0.20	**0.0360**	9.1	0.034	**0.0075**
0.40	**0.0450**	35.3	0.131	0.0075
0.60	0.0450	62.3	0.231	0.0075
0.80	0.0450	89.3	0.330	0.0075
1.00	0.0450	116.3	0.430	0.0075
1.20	0.0450	143.3	0.530	0.0075
1.40	0.0091	**157.4**	**0.582**	0.0075
1.60	0.0001	**152.9**	**0.565**	0.0075
1.80	0.0001	147.5	0.546	0.0075
2.00	0.0001	142.2	0.526	0.0075
2.20	0.0001	136.9	0.506	0.0075
2.40	0.0001	131.5	0.487	0.0075
2.60	0.0001	126.2	0.467	0.0075
2.80	0.0001	120.9	0.447	0.0075
3.00	0.0001	115.6	0.427	0.0075
3.20	0.0001	110.2	0.408	0.0075
3.40	0.0001	104.9	0.388	0.0075
3.60	0.0001	99.6	0.368	0.0075
3.80	0.0001	94.2	0.349	0.0075
4.00	0.0001	88.9	0.329	0.0075
4.20	0.0001	83.6	0.309	0.0075
4.40	0.0001	78.3	0.289	0.0075
4.60	0.0001	72.9	0.270	0.0075
4.80	0.0001	67.6	0.250	0.0075
5.00	0.0001	62.3	0.230	0.0075
5.20	0.0001	57.0	0.211	0.0075
5.40	0.0001	51.6	0.191	0.0075
5.60	0.0001	46.3	0.171	0.0075
5.80	0.0001	41.0	0.152	0.0075
6.00	0.0001	35.6	0.132	0.0075
6.20	0.0001	30.3	0.112	0.0075
6.40	0.0001	25.0	0.092	0.0075
6.60	0.0001	19.7	0.073	0.0075
6.80	0.0001	14.3	0.053	0.0075
7.00	0.0001	9.0	0.033	0.0075
7.20	0.0001	3.7	0.014	0.0075
7.40	0.0001	0.3	0.001	0.0011
7.60	0.0001	0.0	0.000	0.0002
7.80	0.0001	0.0	0.000	0.0001
8.00	0.0001	0.0	0.000	0.0001

Stage-Discharge for Pond 2P: C/D Cistern

Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)
0.000	**0.0000**	0.260	0.0075	0.520	0.0075
0.005	**0.0075**	0.265	0.0075	0.525	0.0075
0.010	0.0075	0.270	0.0075	0.530	0.0075
0.015	0.0075	0.275	0.0075	0.535	0.0075
0.020	0.0075	0.280	0.0075	0.540	0.0075
0.025	0.0075	0.285	0.0075	0.545	0.0075
0.030	0.0075	0.290	0.0075	0.550	0.0075
0.035	0.0075	0.295	0.0075	0.555	0.0075
0.040	0.0075	0.300	0.0075	0.560	0.0075
0.045	0.0075	0.305	0.0075	0.565	0.0075
0.050	0.0075	0.310	0.0075	0.570	0.0075
0.055	0.0075	0.315	0.0075	0.575	0.0075
0.060	0.0075	0.320	0.0075	0.580	0.0075
0.065	0.0075	0.325	0.0075	0.585	0.0075
0.070	0.0075	0.330	0.0075	0.590	0.0075
0.075	0.0075	0.335	0.0075	0.595	0.0075
0.080	0.0075	0.340	0.0075	0.600	0.0075
0.085	0.0075	0.345	0.0075	0.605	0.0075
0.090	0.0075	0.350	0.0075	0.610	0.0075
0.095	0.0075	0.355	0.0075	0.615	0.0075
0.100	0.0075	0.360	0.0075	0.620	0.0075
0.105	0.0075	0.365	0.0075	0.625	0.0075
0.110	0.0075	0.370	0.0075	0.630	0.0075
0.115	0.0075	0.375	0.0075	0.635	0.0075
0.120	0.0075	0.380	0.0075	0.640	0.0075
0.125	0.0075	0.385	0.0075	0.645	0.0075
0.130	0.0075	0.390	0.0075	0.650	0.0075
0.135	0.0075	0.395	0.0075	0.655	0.0075
0.140	0.0075	0.400	0.0075	0.660	0.0075
0.145	0.0075	0.405	0.0075		
0.150	0.0075	0.410	0.0075		
0.155	0.0075	0.415	0.0075		
0.160	0.0075	0.420	0.0075		
0.165	0.0075	0.425	0.0075		
0.170	0.0075	0.430	0.0075		
0.175	0.0075	0.435	0.0075		
0.180	0.0075	0.440	0.0075		
0.185	0.0075	0.445	0.0075		
0.190	0.0075	0.450	0.0075		
0.195	0.0075	0.455	0.0075		
0.200	0.0075	0.460	0.0075		
0.205	0.0075	0.465	0.0075		
0.210	0.0075	0.470	0.0075		
0.215	0.0075	0.475	0.0075		
0.220	0.0075	0.480	0.0075		
0.225	0.0075	0.485	0.0075		
0.230	0.0075	0.490	0.0075		
0.235	0.0075	0.495	0.0075		
0.240	0.0075	0.500	0.0075		
0.245	0.0075	0.505	0.0075		
0.250	0.0075	0.510	0.0075		
0.255	0.0075	0.515	0.0075		

Stage-Area-Storage for Pond 2P: C/D Cistern

Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)
0.000	0.0	0.260	70.3	0.520	140.6
0.005	1.4	0.265	71.6	0.525	141.9
0.010	2.7	0.270	73.0	0.530	143.3
0.015	4.1	0.275	74.3	0.535	144.6
0.020	5.4	0.280	75.7	0.540	146.0
0.025	6.8	0.285	77.0	0.545	147.3
0.030	8.1	0.290	78.4	0.550	148.7
0.035	9.5	0.295	79.7	0.555	150.0
0.040	10.8	0.300	81.1	0.560	151.4
0.045	12.2	0.305	82.5	0.565	152.7
0.050	13.5	0.310	83.8	0.570	154.1
0.055	14.9	0.315	85.2	0.575	155.4
0.060	16.2	0.320	86.5	0.580	156.8
0.065	17.6	0.325	87.9	0.585	158.1
0.070	18.9	0.330	89.2	0.590	159.5
0.075	20.3	0.335	90.6	0.595	160.8
0.080	21.6	0.340	91.9	0.600	162.2
0.085	23.0	0.345	93.3	0.605	163.6
0.090	24.3	0.350	94.6	0.610	164.9
0.095	25.7	0.355	96.0	0.615	166.3
0.100	27.0	0.360	97.3	0.620	167.6
0.105	28.4	0.365	98.7	0.625	169.0
0.110	29.7	0.370	100.0	0.630	170.3
0.115	31.1	0.375	101.4	0.635	171.7
0.120	32.4	0.380	102.7	0.640	173.0
0.125	33.8	0.385	104.1	0.645	174.4
0.130	35.1	0.390	105.4	0.650	175.7
0.135	36.5	0.395	106.8	0.655	177.1
0.140	37.8	0.400	108.1	0.660	**178.4**
0.145	39.2	0.405	109.5		
0.150	40.6	0.410	110.8		
0.155	41.9	0.415	112.2		
0.160	43.3	0.420	113.5		
0.165	44.6	0.425	114.9		
0.170	46.0	0.430	116.2		
0.175	47.3	0.435	117.6		
0.180	48.7	0.440	118.9		
0.185	50.0	0.445	120.3		
0.190	51.4	0.450	121.7		
0.195	52.7	0.455	123.0		
0.200	54.1	0.460	124.4		
0.205	55.4	0.465	125.7		
0.210	56.8	0.470	127.1		
0.215	58.1	0.475	128.4		
0.220	59.5	0.480	129.8		
0.225	60.8	0.485	131.1		
0.230	62.2	0.490	132.5		
0.235	63.5	0.495	133.8		
0.240	64.9	0.500	135.2		
0.245	66.2	0.505	136.5		
0.250	67.6	0.510	137.9		
0.255	68.9	0.515	139.2		

Summary for Pond 5P: A/B Cistern

Inflow Area = 3,592.7 m², 65.27% Impervious, Inflow Depth > 46 mm for 100-Year event
Inflow = 0.0373 m³/s @ 0.25 hrs, Volume= 163.5 m³
Outflow = 0.0150 m³/s @ 0.13 hrs, Volume= 163.5 m³, Atten= 60%, Lag= 0.0 min
Primary = 0.0150 m³/s @ 0.13 hrs, Volume= 163.5 m³
Routed to Link 6L : Bloor St W

Routing by Stor-Ind method, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs
Peak Elev= 1.030 m @ 1.35 hrs Surf.Area= 86.6 m² Storage= 89.2 m³

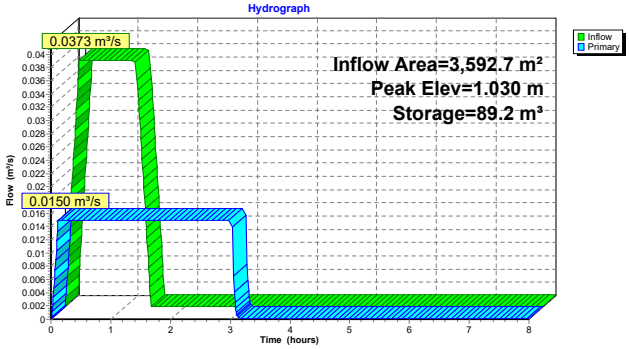
Plug-Flow detention time= 49.6 min calculated for 163.5 m³ (100% of inflow)
Center-of-Mass det. time= 49.6 min (96.5 - 47.0)

Volume	Invert	Avail.Storage	Storage Description
#1	0.000 m	114.4 m³	**1.00 mW x 90.24 mL x 1.32 mH Prismatoid**x 0.96

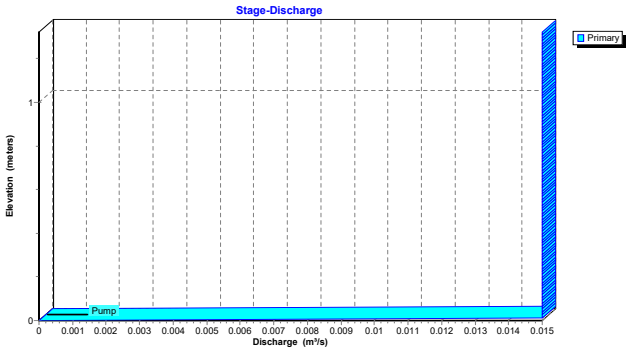
Device	Routing	Invert	Outlet Devices
#1	Primary	0.000 m	**Pump** Discharges@0.000 m Flow (l/min)= 899.9 900.0 Head (meters)= 1.320 0.000

Primary OutFlow Max=0.0150 m³/s @ 0.13 hrs HW=0.015 m (Free Discharge)
↳**1=Pump** (Pump Controls 0.0150 m³/s)

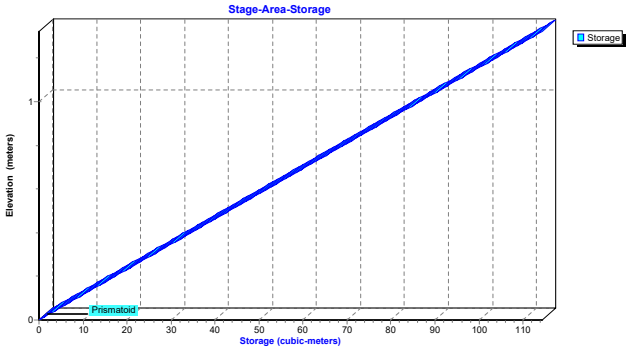
Pond 5P: A/B Cistern



Pond 5P: A/B Cistern



Pond 5P: A/B Cistern



Hydrograph for Pond 5P: A/B Cistern

Time (hours)	Inflow (m³/s)	Storage (cubic-meters)	Elevation (meters)	Primary (m³/s)
0.00	0.0001	0.0	0.000	**0.0000**
0.20	**0.0298**	3.7	0.043	**0.0150**
0.40	**0.0373**	19.1	0.220	0.0150
0.60	0.0373	35.1	0.405	0.0150
0.80	0.0373	51.1	0.590	0.0150
1.00	0.0373	67.2	0.776	0.0150
1.20	0.0373	**83.2**	**0.961**	0.0150
1.40	0.0075	**88.6**	**1.022**	0.0150
1.60	0.0001	78.5	0.906	0.0150
1.80	0.0001	67.8	0.782	0.0150
2.00	0.0001	57.0	0.658	0.0150
2.20	0.0001	46.3	0.535	0.0150
2.40	0.0001	35.6	0.411	0.0150
2.60	0.0001	24.9	0.287	0.0150
2.80	0.0001	14.1	0.163	0.0150
3.00	0.0001	3.4	0.039	0.0150
3.20	0.0001	0.0	0.000	0.0001
3.40	0.0001	0.0	0.000	0.0001
3.60	0.0001	0.0	0.000	0.0001
3.80	0.0001	0.0	0.000	0.0001
4.00	0.0001	0.0	0.000	0.0001
4.20	0.0001	0.0	0.000	0.0001
4.40	0.0001	0.0	0.000	0.0001
4.60	0.0001	0.0	0.000	0.0001
4.80	0.0001	0.0	0.000	0.0001
5.00	0.0001	0.0	0.000	0.0001
5.20	0.0001	0.0	0.000	0.0001
5.40	0.0001	0.0	0.000	0.0001
5.60	0.0001	0.0	0.000	0.0001
5.80	0.0001	0.0	0.000	0.0001
6.00	0.0001	0.0	0.000	0.0001
6.20	0.0001	0.0	0.000	0.0001
6.40	0.0001	0.0	0.000	0.0001
6.60	0.0001	0.0	0.000	0.0001
6.80	0.0001	0.0	0.000	0.0001
7.00	0.0001	0.0	0.000	0.0001
7.20	0.0001	0.0	0.000	0.0001
7.40	0.0001	0.0	0.000	0.0001
7.60	0.0001	0.0	0.000	0.0001
7.80	0.0001	0.0	0.000	0.0001
8.00	0.0001	0.0	0.000	0.0001

Stage-Discharge for Pond 5P: A/B Cistern

Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)	Elevation (meters)	Primary (m³/s)
0.000	**0.0000**	0.520	0.0150	1.040	0.0150
0.010	**0.0150**	0.530	0.0150	1.050	0.0150
0.020	0.0150	0.540	0.0150	1.060	0.0150
0.030	0.0150	0.550	0.0150	1.070	0.0150
0.040	0.0150	0.560	0.0150	1.080	0.0150
0.050	0.0150	0.570	0.0150	1.090	0.0150
0.060	0.0150	0.580	0.0150	1.100	0.0150
0.070	0.0150	0.590	0.0150	1.110	0.0150
0.080	0.0150	0.600	0.0150	1.120	0.0150
0.090	0.0150	0.610	0.0150	1.130	0.0150
0.100	0.0150	0.620	0.0150	1.140	0.0150
0.110	0.0150	0.630	0.0150	1.150	0.0150
0.120	0.0150	0.640	0.0150	1.160	0.0150
0.130	0.0150	0.650	0.0150	1.170	0.0150
0.140	0.0150	0.660	0.0150	1.180	0.0150
0.150	0.0150	0.670	0.0150	1.190	0.0150
0.160	0.0150	0.680	0.0150	1.200	0.0150
0.170	0.0150	0.690	0.0150	1.210	0.0150
0.180	0.0150	0.700	0.0150	1.220	0.0150
0.190	0.0150	0.710	0.0150	1.230	0.0150
0.200	0.0150	0.720	0.0150	1.240	0.0150
0.210	0.0150	0.730	0.0150	1.250	0.0150
0.220	0.0150	0.740	0.0150	1.260	0.0150
0.230	0.0150	0.750	0.0150	1.270	0.0150
0.240	0.0150	0.760	0.0150	1.280	0.0150
0.250	0.0150	0.770	0.0150	1.290	0.0150
0.260	0.0150	0.780	0.0150	1.300	0.0150
0.270	0.0150	0.790	0.0150	1.310	0.0150
0.280	0.0150	0.800	0.0150	1.320	0.0150
0.290	0.0150	0.810	0.0150		
0.300	0.0150	0.820	0.0150		
0.310	0.0150	0.830	0.0150		
0.320	0.0150	0.840	0.0150		
0.330	0.0150	0.850	0.0150		
0.340	0.0150	0.860	0.0150		
0.350	0.0150	0.870	0.0150		
0.360	0.0150	0.880	0.0150		
0.370	0.0150	0.890	0.0150		
0.380	0.0150	0.900	0.0150		
0.390	0.0150	0.910	0.0150		
0.400	0.0150	0.920	0.0150		
0.410	0.0150	0.930	0.0150		
0.420	0.0150	0.940	0.0150		
0.430	0.0150	0.950	0.0150		
0.440	0.0150	0.960	0.0150		
0.450	0.0150	0.970	0.0150		
0.460	0.0150	0.980	0.0150		
0.470	0.0150	0.990	0.0150		
0.480	0.0150	1.000	0.0150		
0.490	0.0150	1.010	0.0150		
0.500	0.0150	1.020	0.0150		
0.510	0.0150	1.030	0.0150		

Stage-Area-Storage for Pond 5P: A/B Cistern

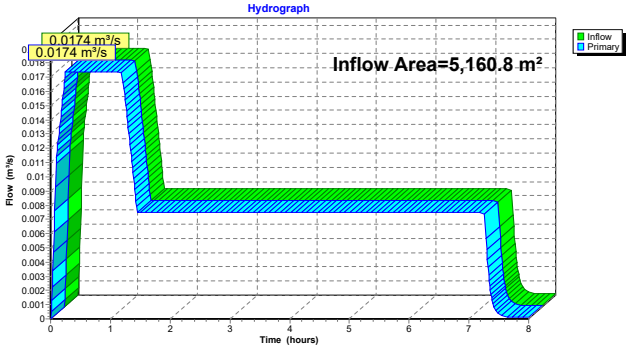
Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)	Elevation (meters)	Storage (cubic-meters)
0.000	0.0	0.520	45.0	1.040	90.1
0.010	0.9	0.530	45.9	1.050	91.0
0.020	1.7	0.540	46.8	1.060	91.8
0.030	2.6	0.550	47.6	1.070	92.7
0.040	3.5	0.560	48.5	1.080	93.6
0.050	4.3	0.570	49.4	1.090	94.4
0.060	5.2	0.580	50.2	1.100	95.3
0.070	6.1	0.590	51.1	1.110	96.2
0.080	6.9	0.600	52.0	1.120	97.0
0.090	7.8	0.610	52.8	1.130	97.9
0.100	8.7	0.620	53.7	1.140	98.8
0.110	9.5	0.630	54.6	1.150	99.6
0.120	10.4	0.640	55.4	1.160	100.5
0.130	11.3	0.650	56.3	1.170	101.4
0.140	12.1	0.660	57.2	1.180	102.2
0.150	13.0	0.670	58.0	1.190	103.1
0.160	13.9	0.680	58.9	1.200	104.0
0.170	14.7	0.690	59.8	1.210	104.8
0.180	15.6	0.700	60.6	1.220	105.7
0.190	16.5	0.710	61.5	1.230	106.6
0.200	17.3	0.720	62.4	1.240	107.4
0.210	18.2	0.730	63.2	1.250	108.3
0.220	19.1	0.740	64.1	1.260	109.2
0.230	19.9	0.750	65.0	1.270	110.0
0.240	20.8	0.760	65.8	1.280	110.9
0.250	21.7	0.770	66.7	1.290	111.8
0.260	22.5	0.780	67.6	1.300	112.6
0.270	23.4	0.790	68.4	1.310	113.5
0.280	24.3	0.800	69.3	1.320	**114.4**
0.290	25.1	0.810	70.2		
0.300	26.0	0.820	71.0		
0.310	26.9	0.830	71.9		
0.320	27.7	0.840	72.8		
0.330	28.6	0.850	73.6		
0.340	29.5	0.860	74.5		
0.350	30.3	0.870	75.4		
0.360	31.2	0.880	76.2		
0.370	32.1	0.890	77.1		
0.380	32.9	0.900	78.0		
0.390	33.8	0.910	78.8		
0.400	34.7	0.920	79.7		
0.410	35.5	0.930	80.6		
0.420	36.4	0.940	81.4		
0.430	37.3	0.950	82.3		
0.440	38.1	0.960	83.2		
0.450	39.0	0.970	84.0		
0.460	39.8	0.980	84.9		
0.470	40.7	0.990	85.8		
0.480	41.6	1.000	86.6		
0.490	42.4	1.010	87.5		
0.500	43.3	1.020	88.4		
0.510	44.2	1.030	89.2		

Summary for Link 3L: Riverspray Cres

Inflow Area = 5,160.8 m², 67.96% Impervious, Inflow Depth > 46 mm for 100-Year event
Inflow = 0.0174 m³/s @ 0.25 hrs, Volume= 239.4 m³
Primary = 0.0174 m³/s @ 0.25 hrs, Volume= 239.4 m³, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

Link 3L: Riverspray Cres



Hydrograph for Link 3L: Riverspray Cres

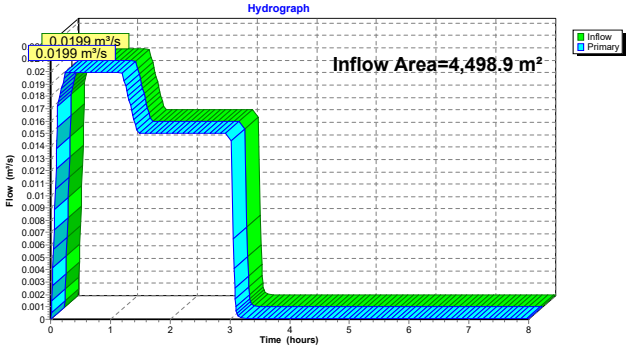
Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	0.0000	**0.000**	0.0000	5.20	0.0075	0.000	0.0075
0.10	0.0114	0.000	0.0114	5.30	0.0075	0.000	0.0075
0.20	**0.0154**	0.000	**0.0154**	5.40	0.0075	0.000	0.0075
0.30	**0.0174**	0.000	**0.0174**	5.50	0.0075	0.000	0.0075
0.40	0.0174	0.000	0.0174	5.60	0.0075	0.000	0.0075
0.50	0.0174	0.000	0.0174	5.70	0.0075	0.000	0.0075
0.60	0.0174	0.000	0.0174	5.80	0.0075	0.000	0.0075
0.70	0.0174	0.000	0.0174	5.90	0.0075	0.000	0.0075
0.80	0.0174	0.000	0.0174	6.00	0.0075	0.000	0.0075
0.90	0.0174	0.000	0.0174	6.10	0.0075	0.000	0.0075
1.00	0.0174	0.000	0.0174	6.20	0.0075	0.000	0.0075
1.10	0.0174	0.000	0.0174	6.30	0.0075	0.000	0.0075
1.20	0.0174	0.000	0.0174	6.40	0.0075	0.000	0.0075
1.30	0.0134	0.000	0.0134	6.50	0.0075	0.000	0.0075
1.40	0.0095	0.000	0.0095	6.60	0.0075	0.000	0.0075
1.50	0.0075	0.000	0.0075	6.70	0.0075	0.000	0.0075
1.60	0.0075	0.000	0.0075	6.80	0.0075	0.000	0.0075
1.70	0.0075	0.000	0.0075	6.90	0.0075	0.000	0.0075
1.80	0.0075	0.000	0.0075	7.00	0.0075	0.000	0.0075
1.90	0.0075	0.000	0.0075	7.10	0.0075	0.000	0.0075
2.00	0.0075	0.000	0.0075	7.20	0.0075	0.000	0.0075
2.10	0.0075	0.000	0.0075	7.30	0.0049	0.000	0.0049
2.20	0.0075	0.000	0.0075	7.40	0.0011	0.000	0.0011
2.30	0.0075	0.000	0.0075	7.50	0.0003	0.000	0.0003
2.40	0.0075	0.000	0.0075	7.60	0.0002	0.000	0.0002
2.50	0.0075	0.000	0.0075	7.70	0.0001	0.000	0.0001
2.60	0.0075	0.000	0.0075	7.80	0.0001	0.000	0.0001
2.70	0.0075	0.000	0.0075	7.90	0.0001	0.000	0.0001
2.80	0.0075	0.000	0.0075	8.00	0.0001	0.000	0.0001
2.90	0.0075	0.000	0.0075				
3.00	0.0075	0.000	0.0075				
3.10	0.0075	0.000	0.0075				
3.20	0.0075	0.000	0.0075				
3.30	0.0075	0.000	0.0075				
3.40	0.0075	0.000	0.0075				
3.50	0.0075	0.000	0.0075				
3.60	0.0075	0.000	0.0075				
3.70	0.0075	0.000	0.0075				
3.80	0.0075	0.000	0.0075				
3.90	0.0075	0.000	0.0075				
4.00	0.0075	0.000	0.0075				
4.10	0.0075	0.000	0.0075				
4.20	0.0075	0.000	0.0075				
4.30	0.0075	0.000	0.0075				
4.40	0.0075	0.000	0.0075				
4.50	0.0075	0.000	0.0075				
4.60	0.0075	0.000	0.0075				
4.70	0.0075	0.000	0.0075				
4.80	0.0075	0.000	0.0075				
4.90	0.0075	0.000	0.0075				
5.00	0.0075	0.000	0.0075				
5.10	0.0075	0.000	0.0075				

Summary for Link 6L: Bloor St W

Inflow Area = 4,498.9 m², 54.56% Impervious, Inflow Depth > 41 mm for 100-Year event
Inflow = 0.0199 m³/s @ 0.25 hrs, Volume= 184.8 m³
Primary = 0.0199 m³/s @ 0.25 hrs, Volume= 184.8 m³, Atten= 0%, Lag= 0.0 min

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

Link 6L: Bloor St W



Hydrograph for Link 6L: Bloor St W

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	0.0000	**0.000**	0.0000	5.20	0.0001	0.000	0.0001
0.10	0.0138	0.000	0.0138	5.30	0.0001	0.000	0.0001
0.20	**0.0189**	0.000	**0.0189**	5.40	0.0001	0.000	0.0001
0.30	**0.0199**	0.000	**0.0199**	5.50	0.0001	0.000	0.0001
0.40	0.0199	0.000	0.0199	5.60	0.0001	0.000	0.0001
0.50	0.0199	0.000	0.0199	5.70	0.0001	0.000	0.0001
0.60	0.0199	0.000	0.0199	5.80	0.0001	0.000	0.0001
0.70	0.0199	0.000	0.0199	5.90	0.0001	0.000	0.0001
0.80	0.0199	0.000	0.0199	6.00	0.0001	0.000	0.0001
0.90	0.0199	0.000	0.0199	6.10	0.0001	0.000	0.0001
1.00	0.0199	0.000	0.0199	6.20	0.0001	0.000	0.0001
1.10	0.0199	0.000	0.0199	6.30	0.0001	0.000	0.0001
1.20	0.0199	0.000	0.0199	6.40	0.0001	0.000	0.0001
1.30	0.0180	0.000	0.0180	6.50	0.0001	0.000	0.0001
1.40	0.0160	0.000	0.0160	6.60	0.0001	0.000	0.0001
1.50	0.0150	0.000	0.0150	6.70	0.0001	0.000	0.0001
1.60	0.0150	0.000	0.0150	6.80	0.0001	0.000	0.0001
1.70	0.0150	0.000	0.0150	6.90	0.0001	0.000	0.0001
1.80	0.0150	0.000	0.0150	7.00	0.0001	0.000	0.0001
1.90	0.0150	0.000	0.0150	7.10	0.0001	0.000	0.0001
2.00	0.0150	0.000	0.0150	7.20	0.0001	0.000	0.0001
2.10	0.0150	0.000	0.0150	7.30	0.0001	0.000	0.0001
2.20	0.0150	0.000	0.0150	7.40	0.0001	0.000	0.0001
2.30	0.0150	0.000	0.0150	7.50	0.0001	0.000	0.0001
2.40	0.0150	0.000	0.0150	7.60	0.0001	0.000	0.0001
2.50	0.0150	0.000	0.0150	7.70	0.0001	0.000	0.0001
2.60	0.0150	0.000	0.0150	7.80	0.0001	0.000	0.0001
2.70	0.0150	0.000	0.0150	7.90	0.0001	0.000	0.0001
2.80	0.0150	0.000	0.0150	8.00	0.0001	0.000	0.0001
2.90	0.0150	0.000	0.0150				
3.00	0.0150	0.000	0.0150				
3.10	0.0010	0.000	0.0010				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

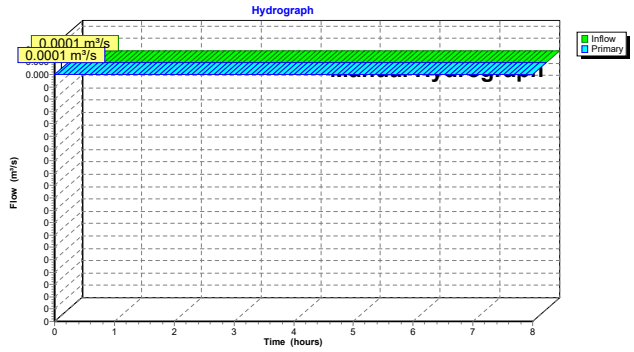
Summary for Link 10L: Groundwater

Inflow = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³
Primary = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³, Atten= 0%, Lag= 0.0 min
Routed to Pond 5P : A/B Cistern

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

9 Point manual hydrograph, To= 0.00 hrs, dt= 1.00 hrs, m³/s =
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001

Link 10L: Groundwater



Hydrograph for Link 10L: Groundwater

Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)	Time (hours)	Inflow (m³/s)	Elevation (meters)	Primary (m³/s)
0.00	**0.0001**	**0.000**	**0.0001**	5.20	0.0001	0.000	0.0001
0.10	0.0001	0.000	0.0001	5.30	0.0001	0.000	0.0001
0.20	0.0001	0.000	0.0001	5.40	0.0001	0.000	0.0001
0.30	0.0001	0.000	0.0001	5.50	0.0001	0.000	0.0001
0.40	0.0001	0.000	0.0001	5.60	0.0001	0.000	0.0001
0.50	0.0001	0.000	0.0001	5.70	0.0001	0.000	0.0001
0.60	0.0001	0.000	0.0001	5.80	0.0001	0.000	0.0001
0.70	0.0001	0.000	0.0001	5.90	0.0001	0.000	0.0001
0.80	0.0001	0.000	0.0001	6.00	0.0001	0.000	0.0001
0.90	0.0001	0.000	0.0001	6.10	0.0001	0.000	0.0001
1.00	0.0001	0.000	0.0001	6.20	0.0001	0.000	0.0001
1.10	0.0001	0.000	0.0001	6.30	0.0001	0.000	0.0001
1.20	0.0001	0.000	0.0001	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

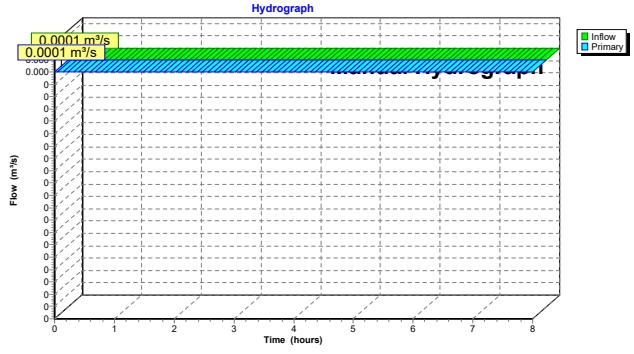
Summary for Link 11L: Groundwater

Inflow = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³
Primary = 0.0001 m³/s @ 0.00 hrs, Volume= 2.9 m³, Atten= 0%, Lag= 0.0 min
Routed to Pond 2P : C/D Cistern

Primary outflow = Inflow, Time Span= 0.00-8.00 hrs, dt= 0.01 hrs

9 Point manual hydrograph, To= 0.00 hrs, dt= 1.00 hrs, m³/s =
0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001

Link 11L: Groundwater



Hydrograph for Link 11L: Groundwater

Time (hours)	Inflow (m^3/s)	Elevation (meters)	Primary (m^3/s)	Time (hours)	Inflow (m^3/s)	Elevation (meters)	Primary (m^3/s)
0.00	**0.0001**	**0.000**	**0.0001**	5.20	0.0001	0.000	0.0001
0.10	0.0001	0.000	0.0001	5.30	0.0001	0.000	0.0001
0.20	0.0001	0.000	0.0001	5.40	0.0001	0.000	0.0001
0.30	0.0001	0.000	0.0001	5.50	0.0001	0.000	0.0001
0.40	0.0001	0.000	0.0001	5.60	0.0001	0.000	0.0001
0.50	0.0001	0.000	0.0001	5.70	0.0001	0.000	0.0001
0.60	0.0001	0.000	0.0001	5.80	0.0001	0.000	0.0001
0.70	0.0001	0.000	0.0001	5.90	0.0001	0.000	0.0001
0.80	0.0001	0.000	0.0001	6.00	0.0001	0.000	0.0001
0.90	0.0001	0.000	0.0001	6.10	0.0001	0.000	0.0001
1.00	0.0001	0.000	0.0001	6.20	0.0001	0.000	0.0001
1.10	0.0001	0.000	0.0001	6.30	0.0001	0.000	0.0001
1.20	0.0001	0.000	0.0001	6.40	0.0001	0.000	0.0001
1.30	0.0001	0.000	0.0001	6.50	0.0001	0.000	0.0001
1.40	0.0001	0.000	0.0001	6.60	0.0001	0.000	0.0001
1.50	0.0001	0.000	0.0001	6.70	0.0001	0.000	0.0001
1.60	0.0001	0.000	0.0001	6.80	0.0001	0.000	0.0001
1.70	0.0001	0.000	0.0001	6.90	0.0001	0.000	0.0001
1.80	0.0001	0.000	0.0001	7.00	0.0001	0.000	0.0001
1.90	0.0001	0.000	0.0001	7.10	0.0001	0.000	0.0001
2.00	0.0001	0.000	0.0001	7.20	0.0001	0.000	0.0001
2.10	0.0001	0.000	0.0001	7.30	0.0001	0.000	0.0001
2.20	0.0001	0.000	0.0001	7.40	0.0001	0.000	0.0001
2.30	0.0001	0.000	0.0001	7.50	0.0001	0.000	0.0001
2.40	0.0001	0.000	0.0001	7.60	0.0001	0.000	0.0001
2.50	0.0001	0.000	0.0001	7.70	0.0001	0.000	0.0001
2.60	0.0001	0.000	0.0001	7.80	0.0001	0.000	0.0001
2.70	0.0001	0.000	0.0001	7.90	0.0001	0.000	0.0001
2.80	0.0001	0.000	0.0001	8.00	0.0001	0.000	0.0001
2.90	0.0001	0.000	0.0001				
3.00	0.0001	0.000	0.0001				
3.10	0.0001	0.000	0.0001				
3.20	0.0001	0.000	0.0001				
3.30	0.0001	0.000	0.0001				
3.40	0.0001	0.000	0.0001				
3.50	0.0001	0.000	0.0001				
3.60	0.0001	0.000	0.0001				
3.70	0.0001	0.000	0.0001				
3.80	0.0001	0.000	0.0001				
3.90	0.0001	0.000	0.0001				
4.00	0.0001	0.000	0.0001				
4.10	0.0001	0.000	0.0001				
4.20	0.0001	0.000	0.0001				
4.30	0.0001	0.000	0.0001				
4.40	0.0001	0.000	0.0001				
4.50	0.0001	0.000	0.0001				
4.60	0.0001	0.000	0.0001				
4.70	0.0001	0.000	0.0001				
4.80	0.0001	0.000	0.0001				
4.90	0.0001	0.000	0.0001				
5.00	0.0001	0.000	0.0001				
5.10	0.0001	0.000	0.0001				

APPENDIX C:

Water Quality Supporting Documentation

OGS REVIEW SHEET
PERFORMANCE EVALUATION

Pre-loaded input provided as a sample only

Sustainable Technologies EVALUATION PROGRAM

All cells in blue are mandatory inputs — Version 2.0 — 7-Nov-24

1 Project Background

Project Name	1055 Bloor (North)
Site Location	Mississauga, ON
Reference Documentation	

2 Design and Performance Requirement

MTD Application: ☑ Stand-Alone ☐ OGS Pre-treatment to underground chamber system

Describe Application			
Min MTD TSS Removal Req	80%	Oil Retention?	Yes

3 Site Characteristics

Catchment Area [ha]	0.26	% Imperviousness	100
Runoff Coefficient	0.9		

4 OGS Selection and Dimensions

Testing/Verification: ☑ CETV Laboratory Testing Protocol ☑ ISO14034/ETV Verification Statement

Manufacturer Name	Hydroworks		
Technology Name	HydroDome	Proposed Model	HD 8

	Model	Internal Diameter [m]	Surface Area [m2]	Chamber Depth [m]	Sediment Depth [m]	Depth Proportionality
Laboratory Tested Model	HD3	0.90	0.64	1.20	0.30	100%
Proposed Model	HD 8	2.44	4.67	2.75	1.00	85%

Does the proposed model meet the scaling rule? Yes

5 ISO 14034:ETV Verified Test Results

Sediment Capture Test

SLR [L/min/m^2]	40	80	200	400	600	1000	1400	1800
Removal Efficiency [%]	83.9%	77.6%	68.4%	66.9%	59.4%	52.4%	46.0%	0.0%

Scour Test

SLR [L/min/m^2]	200	800	1400	2000	2600
Effluent Conc. [mg/L]	0.5	0.7	0.0	0.0	0.1

Tested for Oil Retention?	Yes	Bypass Rate (L/min/m^2)	Obtain from Vendor

6 Design Considerations

Internal By-Pass?	Partial or none	Installation Configuration	In-Line
Upstream Flow Attenuation?	No	Max Treatment Flow [L/s]	
Annual Sediment/Trash Volume [m^3]	0.36	Provided Storage Vol [m^3]	4.67

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OGS REVIEW SHEET
PERFORMANCE EVALUATION

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7 Performance Evaluation

Average Year TSS Removal Claim	80.2%	Bypass range as percent of total annual rainfall volume	0% to 0%

I	II	III	IV	V	VI	VII	VIII	IX	X
Cumulative % Rainfall Volume	% Rainfall Volume	Design Intensity [mm/hr]	Peak Runoff Flow [L/s]	Design Flow to MTD [L/s]	Design SLR [L/min/m^2]	Evaluated TSS Removal [%]	Off-Line TSS Removal [%]	Incremental Removal [%]	Cumulative Removal [%]
5%	5%	1.3	0.8	0.8	11	83.9%	N/A	4%	4%
10%	5%	1.5	1.0	1.0	13	83.9%	N/A	4%	8.4%
15%	5%	1.8	1.2	1.2	15	83.9%	N/A	4%	12.6%
20%	5%	2.0	1.3	1.3	17	83.9%	N/A	4%	16.8%
25%	5%	2.4	1.6	1.6	20	83.9%	N/A	4%	21.0%
30%	5%	2.7	1.8	1.8	23	83.9%	N/A	4%	25.2%
35%	5%	3.1	2.0	2.0	26	83.9%	N/A	4%	29.4%
40%	5%	3.6	2.3	2.3	30	83.9%	N/A	4%	33.6%
45%	5%	4.0	2.6	2.6	33	83.9%	N/A	4%	37.8%
50%	5%	4.6	3.0	3.0	38	83.9%	N/A	4%	42.0%
55%	5%	5.3	3.4	3.4	44	83.2%	N/A	4%	46.1%
60%	5%	5.9	3.8	3.8	49	82.4%	N/A	4%	50.2%
65%	5%	6.9	4.5	4.5	58	81.1%	N/A	4%	54.3%
70%	5%	7.8	5.1	5.1	65	79.9%	N/A	4%	58.3%
75%	5%	9.3	6.0	6.0	78	77.9%	N/A	4%	62.2%
80%	5%	11.0	7.2	7.2	92	76.7%	N/A	4%	66.0%
85%	5%	13.7	8.9	8.9	115	74.9%	N/A	4%	69.8%
90%	5%	17.1	11.1	11.1	143	72.8%	N/A	4%	73.4%
95%	5%	23.9	15.5	15.5	200	68.4%	N/A	3%	76.8%
100%	5%	40.2	26.2	26.2	336	67.4%	N/A	3%	80.2%

8 Sign-Off

Design Engineer	Dania Hourani
Date	20-Apr-26

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OGS REVIEW SHEET
PERFORMANCE EVALUATION

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Sustainable Technologies EVALUATION PROGRAM

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1 Project Background

Project Name	1055 Bloor (South)
Site Location	Mississauga, ON
Reference Documentation	

2 Design and Performance Requirement

MTD Application: ☑ Stand-Alone ☐ OGS Pre-treatment to underground chamber system

Describe Application			
Min MTD TSS Removal Req	80%	Oil Retention?	Yes

3 Site Characteristics

Catchment Area [ha]	0.2	% Imperviousness	100
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SLR [L/min/m^2]	200	800	1400	2000	2600
Effluent Conc. [mg/L]	0.5	0.7	0.0	0.0	0.1

Tested for Oil Retention?	Yes	Bypass Rate (L/min/m^2)	Obtain from Vendor

6 Design Considerations

Internal By-Pass?	Partial or none	Installation Configuration	In-Line
Upstream Flow Attenuation?	No	Max Treatment Flow [L/s]	
Annual Sediment/Trash Volume [m^3]	0.28	Provided Storage Vol [m^3]	4.67

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Version 2.0 7-Nov-24

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Cumulative % Rainfall Volume	% Rainfall Volume	Design Intensity [mm/hr]	Peak Runoff Flow [L/s]	Design Flow to MTD [L/s]	Design SLR [L/min/m^2]	Evaluated TSS Removal [%]	Off-Line TSS Removal [%]	Incremental Removal [%]	Cumulative Removal [%]
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10%	5%	1.5	0.8	0.8	10	83.9%	N/A	4%	8.4%
15%	5%	1.8	0.9	0.9	12	83.9%	N/A	4%	12.6%
20%	5%	2.0	1.0	1.0	13	83.9%	N/A	4%	16.8%
25%	5%	2.4	1.2	1.2	15	83.9%	N/A	4%	21.0%
30%	5%	2.7	1.4	1.4	17	83.9%	N/A	4%	25.2%
35%	5%	3.1	1.6	1.6	20	83.9%	N/A	4%	29.4%
40%	5%	3.6	1.8	1.8	23	83.9%	N/A	4%	33.6%
45%	5%	4.0	2.0	2.0	26	83.9%	N/A	4%	37.8%
50%	5%	4.6	2.3	2.3	30	83.9%	N/A	4%	42.0%
55%	5%	5.3	2.7	2.7	34	83.9%	N/A	4%	46.1%
60%	5%	5.9	3.0	3.0	38	83.9%	N/A	4%	50.3%
65%	5%	6.9	3.5	3.5	44	83.2%	N/A	4%	54.5%
70%	5%	7.8	3.9	3.9	50	82.3%	N/A	4%	58.6%
75%	5%	9.3	4.7	4.7	60	80.8%	N/A	4%	62.7%
80%	5%	11.0	5.5	5.5	71	79.1%	N/A	4%	66.6%
85%	5%	13.7	6.9	6.9	88	77.0%	N/A	4%	70.5%
90%	5%	17.1	8.6	8.6	110	75.3%	N/A	4%	74.2%
95%	5%	23.9	12.0	12.0	154	71.9%	N/A	4%	77.8%
100%	5%	40.2	20.1	20.1	259	68.0%	N/A	3%	81.2%

8 Sign-Off

Design Engineer	Dania Hourani
Date	20-Apr-26

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