TRAILS WEST: AKERSON ROAD BLOCKS 76, 77 & 78

Servicing and Stormwater Management Report

May 17, 2023

Prepared for:
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Approved By:

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Stantec Consulting Ltd. is commissioned by 1230374 Ontario Inc. to prepare a Servicing and Stormwater Management Report for the Trails West – Akerson Road Blocks 76, 77 & 78 development. The subject properties include multiple blocks located south of Akerson Road at Oakglade Avenue. From the original subdivision development process, the blocks are within the Soho West Phase 3 development area. The current reference to the area is now the Trails West neighbourhood. The properties are indicated in **Figure 1** below.

The proposed 0.77 ha-development consists of three residential blocks containing 48 Back-to-Back Townhome units located in the ward of Kanata South in the City of Ottawa. The subject properties are zoned as General Urban Area, and Residential Third Density Subzone X, Exception 1054 (R3X [1054]) in the City's Comprehensive Zoning By-law (2008-250). The proposed site development is permitted under the current zoning.

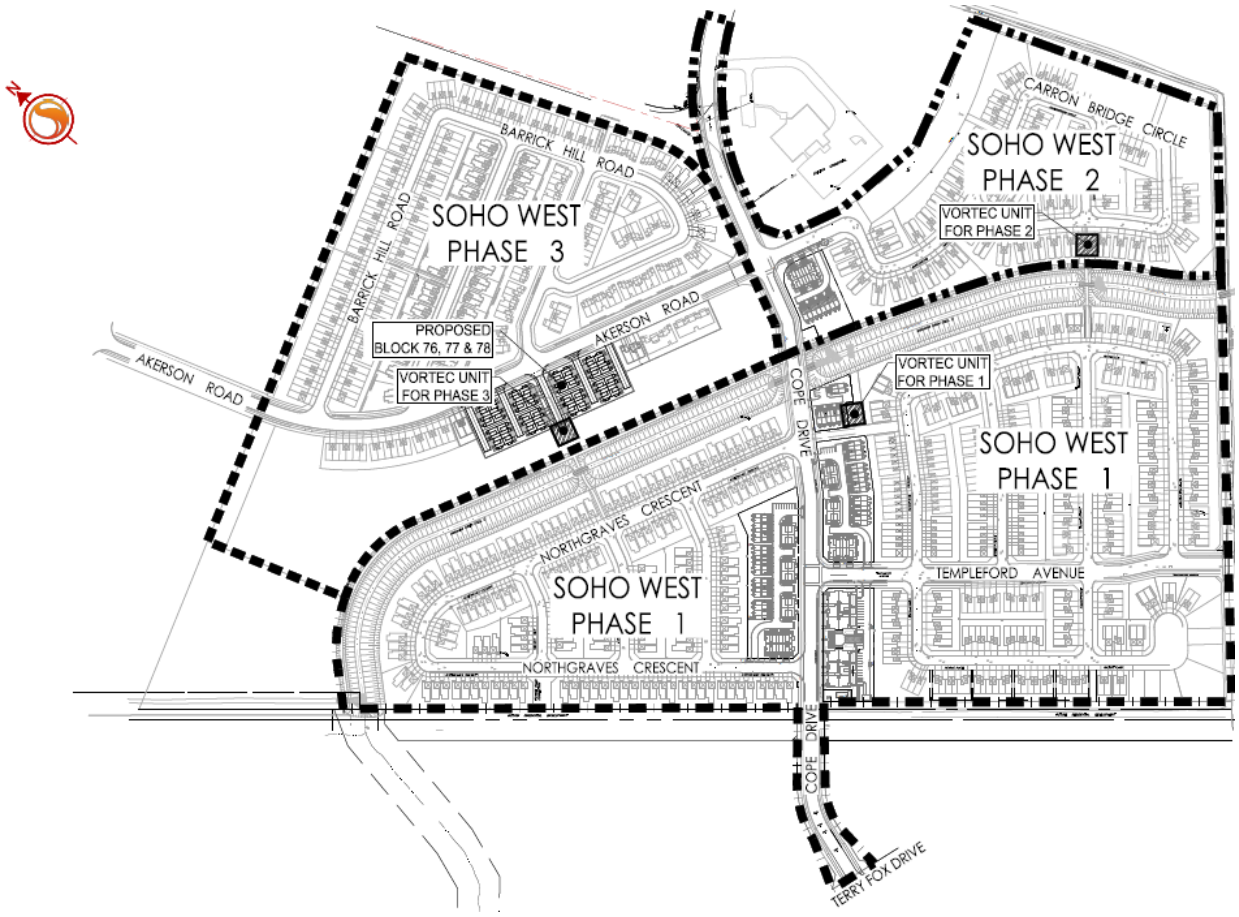

Figure 1: Key Map of Akerson Blocks Location

1 Background

This Servicing and Stormwater Management Report is prepared to present a servicing scheme that is free of conflicts and presents a suitable servicing approach that is consistent with the relevant City design guidelines. Information related to existing infrastructure is gathered from as-built drawings, approved design reports and through consultation with City of Ottawa staff and design engineers. Infrastructure requirements for water supply, sanitary sewer, and storm sewer services are presented in this report.

2 References

The following documents are referenced in the preparation of this report:

- Cavanagh Construction – Soho West (Phase 3), Kanata South, City of Ottawa Stormwater Management Report, Stantec Consulting Ltd., December 2011.
- Serviceability Report, Cavanagh Construction Ltd./Karam – Soho West Phase 3, Rev 3, Stantec Consulting Ltd., September 16, 2011
- Summary of Geotechnical Investigation – Sohowest Area B, Eagleson Road at Fernbank Road, Ottawa, Ontario, Houle Chevrier Engineering, May 2010.
- Summary of Geotechnical Investigation – Proposed Trail West Condo Developments – Akerson Road and Cope Drive, Ottawa, Ontario, Houle Chevrier Engineering, July 2015.
- City of Ottawa Design Guidelines – Water Distribution, Infrastructure Services Department, City of Ottawa, First Edition, July 2010 (and all subsequent technical bulletins).
- City of Ottawa Sewer Design Guidelines, City of Ottawa, 2014 (and all subsequent technical bulletins).

3 Potable Water Servicing

3.1 Existing Conditions

The proposed development is located within Zone 3W of the City of Ottawa water distribution system. The 3W pressure zone is fed by the Glen Cairn booster pumping station with the Stittsville elevated storage tank providing balanced storage for peak flows and demands. A 300mm diameter watermain exists along Akerson Road.

3.2 Proposed Watermain Sizing and Layout

The existing and proposed watermain alignment and sizing for the proposed development is shown on **Drawing SSP-1**. Proposed watermain diameters of 150mm (nominal) are used for servicing.

3.2.1 CONNECTION TO EXISTING INFRASTRUCTURE

Water supply for the 48 Back-to-Back Townhome Units development is proposed via the existing 150mm capped watermain extended into the site and four new separate connections to the existing 300mm main located on Akerson Road. The service connections and the internal servicing layout for the development area is shown on **Drawing SSP-1**.

3.2.2 WATER DEMAND

The water demand is calculated using the City of Ottawa's Water Distribution Design Guidelines with detailed calculations provided in **Appendix A.1**.

For residential developments, the average day (AVDY) per capita water demand is 280 L/cap/d. For maximum day (MXDY) demand, AVDY is multiplied by a factor of 2.5 and for peak hour (PKHR) demand, MXDY is multiplied by a factor of 2.2. The population density is taken at 2.7 person per unit for Townhomes and Back-to-Back units. The calculated residential water demand is represented in the following table.

Table 1: Residential Water Demands

Number of Units	Population	AVDY (L/s)	MXDY (L/s)	PKHR (L/s)
48	136	0.44	1.10	2.42

3.2.3 FIRE FLOW DEMAND

The Fire Underwriter Survey (FUS) fire flow calculation spreadsheets for the governing fire flow demand scenarios are generated to calculate the expected fire flow demand for the development. For assessment

of the worst-case fire flow requirement, building exposures were reviewed for the largest dwelling unit type within each block.

The detailed calculations are provided in **Appendix A.2** and summarized in the following table.

Table 2: FUS Fire Flow

Number of Units	Building Type	Fire Flow (L/s)
6	Back-to-Back - 3 Storey	13,000

Additional fire walls between units within each building are not considered in the FUS calculations.

3.3 Level of Service

3.3.1 ALLOWABLE PRESSURES

The City of Ottawa Water Distribution Design Guidelines state that the desired range of system pressures under normal demand conditions (i.e., basic day, maximum day, and peak hour) should be in the range of 350 to 552 kPa (50 to 80 psi) and no less than 275 kPa (40 psi) at the ground elevation in the streets (i.e., at hydrant level). The maximum pressure at any point in the distribution system in occupied areas outside of the public right-of-way is 552 kPa (80 psi).

As per the Ontario Building Code (OBC), if pressures greater than 552 kPa (80 psi) are anticipated, pressure relief measures are required. The maximum pressure at any point in the distribution system in unoccupied areas shall not exceed 689 kPa (100 psi). Under emergency fire flow conditions, the minimum pressure objective in the distribution system is 138 kPa (20 psi).

Residential buildings greater than two stories require an additional 35 kPa (5 psi) for every additional story over two stories. This additional pressure is to account for the change in elevation head and additional head loss. For example, the minimum pressure required for a two-story building is 276 kPa (40 psi) whereas a three-story building requires at least 310 kPa (45 psi) at the service connection point to provide equivalent minimum pressure on the higher floor.

3.3.2 FIRE FLOW

As per the City's technical bulletin ISDTB-2014-02 (City of Ottawa, 2014), fire flow shall be capped at 10,000 L/min for traditional side-by-side townhomes and single-family units constructed in accordance with the OBC and with a minimum separation of 10 meters between the back of adjacent units.

3.4 Hydraulic Analysis

The boundary conditions provided by the City of Ottawa are summarized in the following table. Results for a single connection location are provided by the city and are considered applicable for each connection to the 300mm main in Akerson Road. The related boundary conditions request and correspondence with the City of Ottawa are included in **Appendix A.3**.

Table 3: Boundary Conditions

Connection	Maximum HGL		Peak Hour		Max Day plus Fire	
	Head (m)	Pressure (psi)	Head (m)	Pressure (psi)	Head (m)	Pressure (psi)
Connection 1	161.1	92.0	156.5	85.5	151.8	78.9
Ground Elevation = 96.3 m						

Based on the boundary conditions provided by the city, the existing watermain network provides adequate capacity to support both the residential water (Peak Hour > 40 psi) and fire flow (Max Day plus Fire >20 psi) demands.

With the operating pressures during peak hour demands anticipated to be greater than 80psi (552 kPa), pressure reducing measures are required to comply with OBC guidelines.

4 Wastewater Servicing

4.1 Existing Conditions

The Trails West development is located within the South Glen Cairn wastewater catchment area. Wastewater flow from the development is supported by the South Glen Cairn Trunk Sewer and the Hazeldean Pump Station.

The South Glenn Cairn wastewater catchment includes the Kanata South Business Park which was originally identified to be developed as mixed light industrial and commercial land uses. A serviceability report was prepared for the Soho West (now Trails West) development which examined and compared the expected peak wastewater flow rate from the study area developed as a business park versus a mixed-use development with a variety of housing types, commercial, and business park uses.

The Soho West Serviceability report concluded that the expected wastewater peak flow from the gross site area developed entirely as business park was estimated to be 88.7 L/s. The expected wastewater peak flow from the Trails West residential development and related commercial block was found to be 67.0 L/s. Since the expected wastewater peak flow from the Trails West development was less than the peak flows from the development as a business park, it was concluded that the South Glen Cairn collector and the Hazeldean Pump Station are adequately sized to receive wastewater from the Trails West development.

4.1.1 ALLOWABLE WASTEWATER PEAK FLOW

A 200mm diameter sewer exists along Akerson Road. A copy of the original 2011 subdivision sanitary sewer design sheet and associated Sanitary Drainage Plans are included in **Appendix B.1** for reference. From this 2011 subdivision information, the previously allocated wastewater dry weather peak flow (DWPF) and wet weather peak flow (WWPF) for the Akerson Road, Blocks 76, 77 & 78 are extracted. The following table summarizes the information taken from the 2011 subdivision design.

Table 4: 2011 Wastewater Peak Flow

2011 Area Reference	Number of Units	Population	DWPF (L/s)	Extraneous Flow Allowance (L/s)	WWPF (L/s))
Block 76, 77 & 78	48	130	2.11	0.22	2.33

4.2 Design Criteria

As outlined in the City's Sewer Design Guidelines, the following design parameters are used to calculate estimated wastewater flow rates and to size on-site sanitary sewers.

Table 5: Wastewater Servicing Parameters

Parameter	Value
Minimum Full Flow Velocity	0.6 m/s (0.8 m/s for upstream sections)
Maximum Full Flow Velocity	3.0 m/s
Manning's roughness coefficient	0.013
Townhouse Persons per unit	2.7
Back-to-Back Persons per unit	2.7
Average Residential Flow	280 L/p/day
Harmon Peaking Factor Maximum	4.0
Extraneous Flow Allowance	0.33 L/s/ha
Maintenance Hole Spacing	120 m
Minimum Cover	2.5 m

4.3 Proposed Sewer Sizing and Layout

Wastewater servicing for the proposed development is provided through the existing wastewater collection system in the Trails West development.

4.3.1 CONNECTION TO EXISTING INFRASTRUCTURE

The sewer service for each individual roadway/service corridor in the development is proposed via the existing 200mm capped stub extended into the site and four new connections (with new maintenance holes) to the existing 200mm sanitary sewer located on Akerson Road. The service connections and the internal servicing layout for each development area block is shown on **Drawing SSP-1**.

Despite the change in the nature of the sanitary service connections from the 2011 design condition, the existing sanitary sewers are anticipated to have adequate capacity to support the new connections from the Akerson Road site development. No evaluation of the service capacity of the existing sewer in the public road downstream of the direct service connections from the development is completed.

4.3.2 WASTEWATER PEAK FLOW

The associated service areas are shown on **Drawing SA-1**. A sanitary sewer design sheet is included in **Appendix B.2**. The anticipated wastewater dry weather peak flow (DWPF) and wet weather peak flow (WWPF) for the Akerson Road site development is summarized in the following table. The corresponding WWPF from the original 2011 subdivision design is also included for reference.

Table 6: Wastewater Peak Flow

Number of Units	Population	DWPF (L/s)	Extraneous Flow Allowance (L/s)	WWPF (L/s))	2011 WWPF (L/s)
48	130	1.55	0.25	1.80	2.33

Relative to the original 2011 subdivision condition, there is no concern associated with the capacity or function of the wastewater servicing systems supporting the proposed development.

4.3.3 HAZELDEAN PUMP STATION OVERFLOW

The Hazeldean Pump Station is designed with an overflow elevation of 95.00 m. The pump station design indicates that the water level in the pump station would be approximately 95.30 m during an overflow.

The proposed underside-of-footing (USF) elevations for the Akerson Road site development is at or above the pump station overflow elevation so no backwater conditions are anticipated in the event of an overflow at the pump station. Therefore, no backwater valves are required for the sanitary service connections.

5 Stormwater Management

5.1 Existing Conditions

The Trails West development is located within the stormwater catchment area for Cell 1 of the Monahan Drain stormwater management (SWM) facility. Minor and major system runoff from the catchment is directed to the facility. Upstream of the minor system inlets to the Monahan Drain, water quality treatment is also provided for all contributing areas.

The proposed site layout within the Akerson Road site development is consistent with the design conditions considered by the Monahan Drain and no further evaluation of the existing facility is required.

5.1.1 ALLOWABLE STORM SEWER PEAK FLOW

A 600mm diameter storm sewer exists along Akerson Road, east of the intersection of Oakglade Ave and Akerson Road, and a 1800mm x 900mm box section storm sewer exists along Akerson Road, west of the intersection of Oakglade Ave and Akerson Road.

A copy of the original 2011 subdivision storm sewer design sheet and associated Storm Drainage Plans are included in **Appendix C.1** for reference. From this 2011 subdivision information, the previously allocated controlled storm sewer peak flows for the Trails West – Akerson Road site development is extracted. The uncontrolled storm water runoff from the perimeter is also extracted as the representative contributing area and runoff coefficient value.

The following table summarizes the information taken from the 2011 subdivision design.

Table 7: 2011 Storm Water Controlled and Uncontrolled Flow

2011 Area Reference	100-Year Controlled Storm Sewer Peak Flow (L/s)	Uncontrolled Runoff Area (ha)	Uncontrolled Runoff Coefficient, C
3-29A, 3-29B, ACCESS	42.4	0.32	0.50

5.1.2 HYDRAULIC GRADE LINE CONDITION

In association with the controlled flow allocations from the Akerson Road site development, the hydraulic grade line (HGL) condition associated with the 2011 subdivision design is also considered. The following table summarizes the HGL results for the maintenance hole (MH) locations associated with the Akerson Road site development. The data is taken from the reference document - Cavanagh Construction – Soho West (Phase 3) SWM Report (Stantec).

Table 8: 2011 Subdivision Hydraulic Grade Line Elevations

Location Reference	MH Reference	HGL Elevation (m)
Akerson Road	3012	94.47
	3027	94.48
	3028	94.47
	3029	94.46
Service Corridor (Block 77)	3030-Bypass	94.40

The HGL conditions associated with the 2011 subdivision design are the primary comparison metric for the current SWM design associated with the Akerson Road development.

5.1.3 MAJOR SYSTEM OVERFLOW

From the Cavanagh Construction – Soho West (Phase 3) SWM Report (Stantec), a major system overflow from the intersection of Akerson Road and Oakglade Avenue is identified. The overflow occurs in the 5-year and 100-year design storm condition and is directed through the proposed development area along the service corridor (Block 77). The following table summarizes the major system overflow routed through the Akerson Road development from the adjacent subdivision roadways.

Table 9: 2011 Major System Overflow

2011 Area Reference	5-Year Overflow (m^3/s)	100-Year Overflow (m^3/s)
ACCESS	0.18	1.53

The overflow values are extracted from the appendix data of the 2011 Phase 3 SWM Report. A copy of the relevant data is included in **Appendix C.1**.

5.2 Design Criteria and Constraints

Criteria were established by combining current design practices outlined by the City of Ottawa Design Guidelines (2012), through the various background documents and through consultation with City of Ottawa staff. The following summarizes the criteria, with the source of each criterion indicated in brackets:

General

- Major and minor flow to be conveyed to the Monahan Drain, Cell 1 SWM facility for quality (80% TSS removal via upstream Vortechs® units) and quantity control.
- Use of the dual drainage principle (City of Ottawa).
- Assess impact of 100-year event and climate change event outlined in the City of Ottawa Sewer Design Guidelines on major & minor drainage system (City of Ottawa).

Storm Sewer & Inlet Controls

- Boundary conditions and HGL elevations for the storm sewer outlets based on the hydraulic conditions described in the Cavanagh Construction – Soho West (Phase 3) SWM Report, (Stantec).
- Size storm sewers to convey the 5-year design storm event under free-flow conditions (City of Ottawa).
- The 100-year HGL is to be a minimum of 0.30 m below building foundation footing (City of Ottawa).
- Climate Change event HGL to be below building foundation footing (City of Ottawa).

Surface Storage & Overland Flow

- No surface ponding is to be permitted on site roads during the 2-year or 5-year storm event (City of Ottawa).
- Maximum depth of flow under either static or dynamic conditions shall be less than 0.35m for design storm events (i.e., up to 100-year storm) (City of Ottawa).
- Minimum clearance depth of 0.30m to be provided from rear yard spill elevation to the ground elevation at the adjacent building envelope (City of Ottawa).
- Minimum clearance depth of 0.15m to be provided from spill elevations within the proposed rights-of-way to building envelopes in proximity of overland flow routes or ponding areas (City of Ottawa).
- Water must not encroach upon proposed building envelopes and must remain below all proposed building openings during the climate change event (City of Ottawa).
- Provide adequate emergency overflow conveyance off-site (City of Ottawa).
- No rear-yard ponding volumes to be accounted for in SWM model preparation (City of Ottawa).
- The product of depth times velocity on streets not to be greater than 0.6 during the 100-year storm (City of Ottawa).

5.2.1 MODELING

A comprehensive hydrologic modeling exercise is completed with PCSWMM, accounting for the estimated major and minor systems to evaluate the storm sewer infrastructure. The use of PCSWMM for modeling of the development block area hydrology and hydraulics allowed for an analysis of the systems response during various storm events. Surface storage estimates are based on the final grading plan design (see **Drawing GP-1**). The following assumptions are applied to PCSWMM:

- Hydrologic parameters as per the City of Ottawa Sewer Design Guidelines (OSDG), including Manning's 'n', and depression storage values.
- Subcatchment infiltration parameters per Horton Infiltration method per Ottawa Sewer Design Guidelines.
- The following storm distributions are assessed: 3-hour Chicago Storm distribution for the 2, 5, and 100-year analysis.
- To 'stress test' the system a 'climate change' scenario is created by adding 20% of the individual intensity values of the 100-year Chicago storm event at their specified time step.
- Percent imperviousness calculated based on actual soft and hard surfaces on each subcatchment, converted to equivalent Runoff Coefficient using the relationship, C = (Imp. x 0.7) + 0.2
- Subcatchment areas are defined from high-point to high-point where sags occur. Subcatchment width is determined by multiplying street segment length x 2 (length of overland flow path measured from high-point to high-point) for street (double-sided) catchments, multiplying by 1.5 for single-loaded roads, multiplying by 1.0 for single-sided catchments, or by multiplying the subcatchment area by 225m where a street segment flow path has not otherwise been defined.
- Number of catch basins (CBs) based on the proposed servicing plan. (Drawing SSP-1)
- CB inflow restricted with inlet-control devices (ICDs) as necessary to maintain inflow target rate, maximize use of surface storage, and eliminate standing water during the 2-year event (5-year event level of service for collector roads). CBs are not to be interconnected.
- The CB rim elevation value is set based on the top-of-grate elevation + 0.30 m for the modelling analysis. This allows the water level to rise above the rim elevation during the major storm events and allows major system routing without loss of flow (noted within the 'flooding' section of model results) in the modeled system.
- For storage on roads with defined cross-sections, active storage was modeled based on actual conduit flow using cross-sections as detailed on Drawing DS-1.
- HGL elevations at the downstream boundary set based on the HGL conditions identified in the 2007 Cavanagh Construction – Soho West (Phase 3) SWM Report (Stantec).

5.2.1.1 SWMM Dual Drainage Methodology

The proposed subdivision is modeled in PCSWMM as a dual conduit system (see **Figure 2**), with: 1) circular conduits representing the sewers & junction nodes representing maintenance holes (MH); 2) irregular conduits using street-shaped cross-sections to represent the sawtoothed overland road network from high-point to low-point and storage nodes representing catchbasins. The dual drainage systems are connected via orifice link objects (or outlets) from storage node (i.e., CB) to junction (i.e., MH), and

represent ICDs. Subcatchments are linked to the storage node representing the CB to direct runoff hydrographs to the minor system as the initial analysis condition.

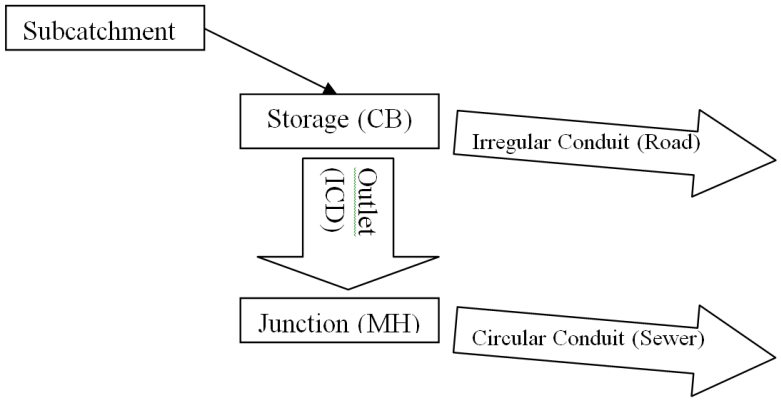

Figure 2: Schematic Representing Model Object Roles

Storage nodes are used in the model to represent CBs as well as major system junctions. For storage nodes representing CBs, the invert of the storage node represents the invert of the CB and the rim of the storage node is set at a constant increment elevation to allow for representation of depth of surface water over the storage node (to be limited to a maximum of 0.35m during the 100-year event). The additional depth is added to rim elevations to allow routing from one surface storage to the next. Storage nodes that represent CBs at sags are surrounded by two or more transects that represent the road segments forming the sag. The storage value assigned to the storage node represents only the volume available within the MH structure. If the available storage volume in a storage node is exceeded, flows spill above the storage node and into the sag in the irregular conduits (transects representing roads). The volume stored within the road sags includes the total static volume and the ponded depth above the node representing the dynamic flow depth. Flow storage volumes exceeding the sag storage available in the transect (roadway) will spill at the downstream highpoint into the next sag and continue routing through the system until ultimately flows either re-enter the minor system or reach the outfall of the major system. Storage nodes representing high points are assigned an invert elevation equal to the transect invert (spill elevation at edge of pavement) and a rim elevation equal to the maximum allowable flow depth elevation above the storage node (equal to the spill elevation at edge of pavement plus an additional 0.50 m). A storage value of zero is assigned to the high point nodes to disable linear volume calculations. No storage is considered within storage nodes at high points. In this manner, storage accumulates according to the actual ponding depths before spilling along the roadway conduit, and to the next downstream road conduit.

ICDs as represented by orifice/outlet links using a user-specified diameter and discharge coefficient or functional head relationship taken from manufacturer's specifications and City guidelines for the chosen ICD model.

Subcatchment imperviousness is calculated via impervious area measured from **Drawing SSP-1**. It is of note that recent changes in interpretation of the OSDG have introduced the requirement to determine the proposed subcatchment imperviousness based on maximum zoning constraints rather than those of the

builder anticipated maximum building size or based on other prevailing criteria such as minimum tree setbacks.

5.2.1.2 Boundary Conditions

The detailed PCSWMM hydrology and the proposed storm sewers are used to assess the peak inflows and HGL for the site. HGL elevations at the downstream boundary are set based on the HGL conditions identified in the Cavanagh Construction – Soho West (Phase 3) SWM Report.

To assess the relative changes between the 2011 subdivision HGL results and the current SWM design associated with the Akerson Road site development, it is necessary to re-create an equivalence to the 2011 conditions and analysis for comparison. The 2011 analysis used a combination of functions within the models DDSWMM and XP-SWMM. These models no longer being used but applicable data from these 2011 models is extracted and used as input into PCSWMM to re-create the 2011 conditions and HGL analysis.

The key data extracted from the 2011 DDSWMM and XP-SWMM files includes storm sewer design data, minor system inflow hydrograph data, and outfall tail water elevations. The minor system inflow hydrograph data is included in **Appendix C.1**. The storm sewer and outfall tailwater data is included in the following section with the rest of the input parameters applied to the Akerson Road site development SWM evaluation.

5.2.2 INPUT PARAMETERS

The following sections present and describe the input parameters applied to the PCSWMM analysis of the SWM design for the Akerson Road site development.

Drawing SD-1 illustrates the discretized subcatchments used in the analysis of the proposed site and outlines the major overland flow paths.

Appendix C.2 provides a PCSWMM layout figure and the input file for the 100-year 3hr Chicago storm. The PCSWMM data for the re-creation of the 2011 HGL analysis is also included in **Appendix C.2**. All other input files and results of storm scenarios are within the electronic model files provided with this report. Although this analysis was performed using PCSWMM, which provides a unique front-end graphic-user-interface to the EPA-SWMM engine, model data files can be examined in any program which can read EPA-SWMM files version 5.1.015.

5.2.2.1 Hydrologic Parameters

The following table presents the general subcatchment parameters used in the model.

Table 10: General Subcatchment Parameters

Parameter	Value
Infiltration Method	Horton
Max. Infiltration Rate (mm/hr)	76.2
Min. Infiltration Rate (mm/hr)	13.2
Decay Constant (1/hr)	4.14
Drying Time (d)	7
N Impervious	0.013
N Pervious	0.25
Dstore Imperv. (mm)	1.57
Dstore Perv. (mm)	4.67
Zero Imperv. (%)	0

The following table presents the individual parameters that vary for each of the proposed subcatchments. Allowance for the uncontrolled runoff areas around the perimeter of the development block areas is included within the minor system inflow hydrograph data extracted from the 2011 DDSWMM data files.

Table 11: General Subcatchment Parameters

Name	Outlet	Area (ha)	Width (m)	Slope (%)	Imperviousness (%)
C101A	CB101A	0.09	80	2	81
C103A	CB103A	0.14	90	2	86
C105A	CB105A	0.14	88	2	86
C107A	CB107A	0.09	78	2	78
C3029A	CB3029A	0.17	87	2	81

The following table summarizes the storage node parameters used in the model. Rim elevations for each node correspond to the rim elevation of the associated area CB plus maximum depth of storage plus an additional buffer depth to allow for potential conveyance of overland flow across high points in the road profile. Storage curves noted as ‘functional’ are to prevent any additional storage for the node from being applied. Storage will occur within the major system conduit (transect) connecting the storage nodes within the model.

Table 12: Storage Node Parameters

Name	Invert (m)	Rim (m)	Depth (m)	Storage Curve	Curve Name
Phase 3 Subdivision					
3001	94.45	97.50	3.05	FUNCTIONAL	*
3002	94.18	97.20	3.02	FUNCTIONAL	*
3003	93.94	96.85	2.91	FUNCTIONAL	*
3004	94.04	96.90	2.86	FUNCTIONAL	*
3005	93.65	96.90	3.25	FUNCTIONAL	*
3006	93.54	96.60	3.06	FUNCTIONAL	*
3007	93.50	96.65	3.15	FUNCTIONAL	*
3008	94.32	97.30	2.98	FUNCTIONAL	*
3009	94.08	96.80	2.72	FUNCTIONAL	*
3010	93.87	96.90	3.03	FUNCTIONAL	*
3011	93.73	96.70	2.97	FUNCTIONAL	*
3012	93.40	96.75	3.35	FUNCTIONAL	*
3013	94.57	97.50	2.93	FUNCTIONAL	*
3014	94.18	97.45	3.27	FUNCTIONAL	*
3015	94.32	97.10	2.78	FUNCTIONAL	*
3016	94.21	97.25	3.04	FUNCTIONAL	*
3017	93.92	97.20	3.28	FUNCTIONAL	*
3018	94.27	97.10	2.83	FUNCTIONAL	*
3019	94.18	97.20	3.02	FUNCTIONAL	*
3020	94.00	97.20	3.20	FUNCTIONAL	*
3021	93.78	96.80	3.02	FUNCTIONAL	*
3022	93.75	96.80	3.05	FUNCTIONAL	*
3023	93.44	96.80	3.36	FUNCTIONAL	*
3024	93.36	96.75	3.39	FUNCTIONAL	*
3025	93.32	96.50	3.18	FUNCTIONAL	*
3026	93.90	96.45	2.55	FUNCTIONAL	*
3027	93.71	97.16	3.45	FUNCTIONAL	*
3028	93.59	96.94	3.35	FUNCTIONAL	*
3029	93.22	96.53	3.31	FUNCTIONAL	*
Akerson Road Development					
CB101A	95.33	96.80	1.47	TABULAR	Curve5
CB103A	95.14	96.61	1.47	TABULAR	Curve4
CB105A	95.04	96.52	1.48	TABULAR	Curve2
CB107A	95.00	96.48	1.48	TABULAR	Curve1

Name	Invert (m)	Rim (m)	Depth (m)	Storage Curve	Curve Name
CB3029A	95.01	96.62	1.61	TABULAR	Curve3
STM100	93.61	96.67	3.06	FUNCTIONAL	*
STM101	94.93	96.65	1.72	FUNCTIONAL	*
STM102	93.57	96.62	3.05	FUNCTIONAL	*
STM103	94.88	96.47	1.59	FUNCTIONAL	*
STM104	93.32	96.42	3.10	FUNCTIONAL	*
STM105	94.78	96.38	1.60	FUNCTIONAL	*
STM106	93.35	96.33	2.98	FUNCTIONAL	*
STM107	94.57	96.33	1.76	FUNCTIONAL	*

5.2.2.2 Hydraulic Parameters

As per the OSDG, Manning's roughness values of 0.013 are used for sewer modeling and overland flow corridors representing roadways. Subcatchment width is determined as described in **Section 5.2.1**. A conservative slope of 2-3% is applied and runoff coefficients remain consistent with the 2011 subdivision SWM Report (Stantec).

Storm sewers are modeled to confirm flow capacities and HGL elevations in the ultimate condition. The detailed storm sewer design sheet is included in **Appendix C.3**.

Maintenance hole loss coefficients are applied as conduit exit losses with values assigned per Appendix 6-B of the OSDG assuming no flow deflector in the maintenance hole.

The following table presents the parameters for the orifice objects in the model, which represent ICDs. All orifices are assigned a discharge coefficient of 0.572 to correspond to manufacturer supplied discharge curves for IPEX Tempest HF/MHF models. Should an approved equivalent model be required, the peak outlet rate of the selected model will be required to match that of the modeled ICD at the maximum head noted in the model results portion of this report.

Table 13: Orifice Parameters

Name	Inlet	Outlet	Inlet Elev. (m)	Type	Diameter (m)
CB-101A-1	CB101A	STM101	95.33	CIRCULAR	0.083
CB-101A-2	CB101A	STM101	95.33	CIRCULAR	0.083
CB-103A-1	CB103A	STM103	95.14	CIRCULAR	0.102
CB-103A-2	CB103A	STM103	95.14	CIRCULAR	0.102
CB-105A-1	CB105A	STM105	95.04	CIRCULAR	0.102
CB-105A-2	CB105A	STM105	95.04	CIRCULAR	0.102
CB-107A-1	CB107A	STM107	95.00	CIRCULAR	0.083
CB-107A-2	CB107A	STM107	95.00	CIRCULAR	0.083

Name	Inlet	Outlet	Inlet Elev. (m)	Type	Diameter (m)
CB-3029A-1	CB3029A	3029	95.01	CIRCULAR	0.127
CB-3029A-2	CB3029A	3029	95.01	CIRCULAR	0.102

The following table presents the parameter applied to the PCSWMM Outfall location for the 2011 subdivision HGL re-creation and the 100-year HGL analysis. The “outfall” location selected is upstream of the actual outlet into Cell 1 of the Monahan Drain. However, for the purpose of this analysis it is considered representative of a suitable downstream reference location.

Table 14: Outfall Parameters

Name	Invert Elev. (m)	Rim Elev. (m)	Tide Gate	Type	Fixed Stage (m)
3030-Bypass	93.15	95.6	Yes	Fixed	94.39

The bypass MH ‘3030’ is selected as the “outfall” location. This simplifies the analysis by not requiring additional inputs to account for the flow diversion condition used to support the water quality enhancement system. The fixed tail water (stage) elevations applied at this Outfall is based on the 2011 subdivision analysis. However, with the difference in the nature of the 2011 models to the current model, the tail water elevation is adjusted from the 2011 analysis. This is done to generate results in the upstream storm sewer system that more closely resemble the 2011 HGL elevations at the reference MH locations. The nature of the results achieved with the HGL analysis re-creation is discussed further in **Section 5.3.3**.

A Tide Gate is applied at the Outfall to prevent the fixed tail water elevation from moving upstream through the storm sewer system at the start of the simulation.

5.3 Proposed Storm Sewer Sizing and Layout

Storm sewer servicing for the proposed development is provided through the existing storm sewer system in the Trails West development.

5.3.1 CONNECTION TO EXISTING INFRASTRUCTURE

The storm sewer service is proposed via individual connections to the existing storm sewers located on Akerson Road and the service corridor (Block 77). The service connections and the internal servicing layout for each development area block is shown on **Drawing SSP-1**.

The 2011 connection location for the development was anticipated to occur along the service corridor within the subcatchment area “ACCESS”. The current proposed connections along Akerson Road are evaluated for both the 5-year and 100-year condition using the data extracted from the 2011 subdivision analysis.

5.3.2 MINOR AND MAJOR SYSTEM PEAK FLOW

A summary of both the uncontrolled and controlled conditions associated with the Akerson Road site development is provided in the following table. The 100-year controlled value represents the sum of the peak flow from each inlet system within the development.

Table 15: Storm Water Controlled and Uncontrolled Flow

100-Year Controlled Storm Sewer Peak Flow (L/s)	Uncontrolled Runoff Area (ha)	Uncontrolled Runoff Coefficient, C
218	0.13	0.40

To ensure that the 2-year and 5-year conditions are completely captured by the minor system, the 100-year storm sewer peak flow from the development site is greater than that previously considered with the original 2011 subdivision condition.

The uncontrolled flow area and related runoff coefficients for the development is less than that previously considered with the original 2011 subdivision condition. The development shows a 0.19 ha decrease in total area and a 0.10 decrease in the overall runoff coefficient. The change in the area is attributed to the nature of the current site layout.

The following tables demonstrate the peak outflow from each modeled connection point to downstream infrastructure during the design storm events assessed.

Table 16: Storm Event Peak Discharge Rates (Minor System)

2-Year Peak Flow (m^3/s)	5-Year Peak Flow (m^3/s)	100-Year Peak Flow (m^3/s)	100-Year + 20% Peak Flow (m^3/s)
0.184	0.196	0.218	0.219

With the additional connections from the Akerson Road site development, the 5-year flow condition in the existing public storm sewers within Akerson Road remain inside the pipe. A detailed summary of the 5-year condition is not included in this report, but the details can be reviewed in the PCSWMM files included with the submission of this report.

Table 17: Storm Event Peak Discharge Rates (Major System)

Outlet Node	5-Year Peak Flow (m^3/s)	100-Year Peak Flow (m^3/s)	100-Year + 20% Peak Flow (m^3/s)
OF1		0	0
OF2		0	0
OF3	0.10	1.35	1.36
OF4		0	0
OF5		0	0

The high flow discharge rate (major system) for outlet node OF3 is due to the resulting major system upstream flows coming from the Phase 3 subdivision which are directed to Cell 1 of the Monahan Drain through the service corridor (Block 77) starting at the intersection of Akerson Road and Oakglade Avenue. The major system overflow conditions to the Monahan Drain are less than the rates originally considered by the 2011 subdivision SWM Report (Stantec).

To confirm that there is no concern associated with the capacity or function of the storm sewer systems supporting the Akerson Road site development, a review of the subdivision HGL conditions is completed.

5.3.3 HYDRAULIC GRADE LINE CONDITION

As noted in Section 5.2.1.2, a re-creation of the HGL analysis associated with the 2011 subdivision design is completed. The related PCSWMM information is included in **Appendix C.1** (2011 data hydrographs) and **Appendix C.2** (re-creation of 2011 analysis). The following table summarizes the results for the re-creation of the 2011 HGL analysis.

Table 18: Re-Created 2011 Subdvision Hydraulic Grade Line Elevations

Location Reference	MH Reference	HGL Elevation (m)	Difference from 2011 Result
Akerson Road	3012	94.49	0.02
	3027	94.49	0.01
	3028	94.47	0.00
	3029	94.44	-0.02
Service Corridor (Block 77)	3030-Bypass	94.39	-0.01

Differences between the original 2011 HGL results and the re-created 2011 subdivision HGL elevations are expected. The re-created conditions are considered generally consistent with the original results. associated with the 2011 subdivision design.

For the applicable design storms, the following table presents the HGL conditions for the proposed development and the relationship to the associated Underside-of-Footing (USF) elevations.

Table 19: Akerson Road Development Hydraulic Grade Line Elevations

Node ID	100-Year, 3-Hour HGL (m)	Lowest Adjacent USF Elevation (m)	100-Year HGL Depth below USF (m)	100-Year, 3-Hour + 20% HGL (m)	100-Year + 20% HGL Depth below USF (m)
STM101	95.11	95.53	0.42	95.11	0.42
STM103	95.13	95.48	0.35	95.13	0.35
STM105	95.02	95.38	0.36	95.02	0.36
STM107	94.75	95.38	0.63	94.75	0.63

Given the layout of the proposed site plan, the HGL conditions associated with Node '3030-Bypass' and '3029', for the existing pipe in the service corridor (Block 77), are not applicable to the review of the USF elevations. The HGL and storm sewer pipe elevation conditions at Node 'STM103' and 'STM105" govern the associated building elevations.

As demonstrated in the table above, the HGL elevations remain at least 0.30 m below the proposed underside of footings, and HGL elevations remain below the proposed underside of footing elevations during the 20% increased intensity 'climate change' scenario.

The results for the 100-Year + 20% HGL condition maintain the 2011 minor system flow hydrographs for the 100-year condition. Applicable data from a 100-year + 20% condition is not available from the 2011 subdivision SWM Report (Stantec).

5.3.4 ON-SITE STORAGE

The following table presents the maximum total surface water depths (static ponding depth + dynamic flow) above the catch basin top-of-grate elevation for the 100-year design storm and 100-Year + 20% 'climate change' storm.

Table 20: Akerson Road Development Maximum Surface Water Depths

Storage Node ID	Top of Grate Elevation (m)	100-Year, 3-Hour		100-Year, 3-Hour + 20%		Adjacent Building Opening Elevation (m)
		Surface HGL (m)	Surface Depth (m)	Surface HGL (m)	Surface Depth (m)	
CB101A	96.53	96.61	0.08	96.64	0.11	96.87
CB103A	96.34	96.46	0.12	96.50	0.16	96.68
CB105A	96.24	96.35	0.11	96.38	0.14	96.59
CB107A	96.20	96.30	0.10	96.33	0.13	96.59
CB3029A	96.21	96.48	0.27	96.48	0.27	96.62

Based on the analysis results, the total ponding depth (static + dynamic) does not exceed the required 0.35m maximum during the 100-year event. Total ponding depths during the climate change scenario are below adjacent building openings and are not anticipated to impact proposed buildings within the development block areas.

The only overflow from the Akerson Road site development is through the service corridor (Block 77) within the site. This is a result of the major system overflow from the Phase 3 subdivision that passes through the site to finally end up in the Cell 1 of the Monahan Drain. The impact of the existing Phase 3 major system overflow is accommodated in the Akerson Road site development design.

The following table presents the anticipated ponding depths during the 2-year and 5-year minor system design storm events.

Table 21: Akerson Road Development Minor System Design Storm Ponding Depths

Storage Node ID	Top of Grate Elevation (m)	2-Year, 3-Hour		5-Year, 3-Hour	
		Maximum HGL (m)	Surface Depth (m)	Maximum HGL (m)	Surface Depth (m)
CB101A	96.53	96.23	0	96.23	0
CB103A	96.34	96.21	0	96.21	0
CB105A	96.24	96.11	0	96.11	0
CB107A	96.20	95.97	0	95.97	0
CB3029A	96.21	95.94	0	96.38	0.17

Based on the analysis results, there is no surface ponding during the 2-year minor system design storm event. The surface depth ponding at CB3029A during the 5-year minor system design storm event is also a result of the major system overflow generated by the Phase 3 subdivision.

5.4 Water Quality Control

Water quality control for the proposed development is provided in the existing Vortechs® Systems located upstream of the Phase 3 outlet from the Trail West development in the Monahan Drain. The Vortechs® unit for the Trail West development is sized for a minimum of 80% total net annual TSS removal.

Quality control is accommodated in the Vortechs® Model 16000 supporting the Phase 3 outlet.

6 Utilities

All Utilities (Hydro Ottawa, Bell Canada, Rogers Ottawa, and Enbridge Gas) are available to service the Akerson Road site development in the Trails West development.

7 Geotechnical Information and Grading

The proposed Akerson Road site development is currently vacant properties and are generally covered with granular fill or sparse vegetation. Based on the geotechnical site investigation (Houle Chevrier, July 2015), the site subsurface conditions can generally be described as; a thin layer of fill ranging from about 0.6 to 1.5 m thick, over a layer of silty sand ranging from about 0.3 to 2.8 m in thickness, overlying grey silty clay ranging from about 1.3 to 3.7 m below existing surface grade.

The groundwater level was measured in the first week of July, 2015 in one of the standpipe piezometers and was found to be around 1.1 m below existing grade. It should be noted that groundwater level may be higher during wet periods of the year such as the early spring or following periods of precipitation, particularly within the upper silty sand deposits.

As stated in the geotechnical investigation excerpts included in **Appendix D**, the development block areas proposed for the residential buildings are underlain by thick deposits of compressible silty clay which has a reduced capacity to support loads imposed by grade raise fill materials, pavement structures, etc. Groundwater lowering also causes a stress increase on the underlying silty clay deposits. As a result, the proposed site grading is developed to limit grade raises to 1.2m or less.

Grading of the proposed development sites is controlled by existing grades in the adjacent properties and streets as well as stormwater management requirements such as the 0.3m clearance between the spill grade elevation in the access roads and the grade at the proposed buildings. The proposed grading plan is designed to provide overland flow outlets for the development, as outlined in the Soho West Phase 3 SWM Report (Stantec). **Drawing GP-1** illustrates the proposed grading plan.

The roads within each development area block are designed with a saw-tooth pattern to create storm water storage opportunities. Depths of ponding do not exceed 0.30 m.

Due to the presence of peat and the expected grade raises a geotechnical engineer will be consulted to confirm the most appropriate method of construction in the geotechnical sensitive regions. Upon excavation of the peat at time of construction, the Geotechnical Engineer will make recommendations on subgrade depths for road rases, footings and pipes within the right of way.

For further details from the Geotechnical Investigation please refer to the complete report submitted under separate cover.

8 Erosion and Sediment Control

To control erosion and migration of sediment-laden runoff off site during construction, an erosion and sediment control plan will be required for the proposed Akerson Road site development. Additionally, an appropriate inspection and maintenance program employed by the contractor is required and will consider the following goals:

- Protection from sedimentation of the downstream existing infrastructure and water course using, but not limited to, temporary sediment traps/basins, silt fence, rock-check dams, diversion swales/berms, raised and/or covered catch basins with filter fabric, sandbags, etc.
- Re-vegetating exposed areas and slopes as soon as possible to control sediment wash-off and erosion.
- Protect exposed slopes with plastic or synthetic mulches.
- Frequent inspection of all controls during construction and after significant rainfall events (greater than 13 mm) for sediment accumulation and erosion.
- Immediate repair of all noticeable erosion, with investigation into the cause so implementation of mitigation measures to prevent recurrence will be more successful.
- Maintenance of the erosion control measures during construction.
- Preparation of monitoring reports outlining the condition of erosion control works, their overall performance, and any actions such as repairs, replacement, or modification.

The contractor will, at every rainfall, complete inspections and guarantee proper performance. The inspection is to include:

1. Verification that water is not flowing under silt barriers.
2. Clean and change sediment traps at catch basins.

Refer to **Drawing EC/DS-1** for the proposed location of silt fences, straw bales, catch basin sediment traps, and other erosion control measures.

9 Approvals

An Environmental Compliance Approval (ECA) issued by the Ontario Ministry of Environment, Conservation, and Parks (MECP) is not expected to be required for the proposed development.

An MECP Permit to Take Water (PTTW) may be required for the development if more than 400,000 L/day of ground or surface water is to be pumped during the construction works. If between 50,000 L/day and 400,000 L/day are expected to be pumped during the construction works, registration on the Environmental Activity and Sector Registry (EASR) are required. The geotechnical consultant shall confirm prior to construction whether a PTTW or EASR registry are required for construction dewatering purposes.

No submission to the South Nation Conservation Authority (SNCA) is required.

Typical development approval requirements from The City of Ottawa, as the municipal regulatory agency, are anticipated.

10 Closing

The following summarizes key considerations for the primary servicing and stormwater management infrastructure systems supporting the Trails West – Akerson Road site development.

10.1 Potable Water Servicing

The proposed development is located within Zone 3W of the City of Ottawa water distribution system. The 3W pressure zone is fed by the Glen Cairn booster pumping station with the Stittsville elevated storage tank providing balanced storage for peak flows and demands. A 300mm diameter watermain exists along Akerson Road.

The proposed watermain alignment and sizing achieves the desired level of service in the proposed development block area. Based on the design and related hydraulic analysis, the following is noted.

- Proposed watermain diameters of 150mm are used in the development block area.
- During peak hour (PKHR) conditions, the supporting watermain network operates above the minimum pressure objective of 40 psi (276 kPa).
- During peak hour (PKHR) conditions, the supporting watermain network operates above the maximum pressure objective of 80psi (552 kPa). Pressure reducing measures are required to comply with Ontario Building Code guidelines.
- The supporting watermain network provides sufficient fire flow while maintaining a residual pressure of 20 psi (138 kPa) in all applicable areas.

10.2 Wastewater Servicing

The Trails West development is located within the South Glen Cairn wastewater catchment area. Wastewater flow from the development is supported by the South Glen Cairn Trunk Sewer and the Hazeldean Pump Station.

A 200mm diameter sewer exists along Akerson Road and provides the service connections to the site development area associated with the Akerson Road development units.

The preferred cover requirement of 2.5 m for the sanitary sewer system is satisfied in all locations, and requirements for slope and velocities are met within the local internal sewers. There is no concern associated with the capacity or function of the wastewater servicing systems supporting the Akerson Road site development.

The proposed underside-of-footing elevations for the Akerson Road site development are all above the Hazeldean Pump Station overflow elevation so backwater conditions are not anticipated in the event of an

overflow at the pump station. Therefore, backwater valves are not required for the sanitary service connections.

10.3 Stormwater Management

The Trails West development is located within the stormwater catchment area for Cell 1 of the Monahan Drain stormwater management (SWM) facility. Minor and major system runoff from the catchment is directed to the facility. Upstream of the minor system inlets to the Monahan Drain, water quality treatment is also provided for all contributing areas.

The proposed stormwater management plan is consistent with the goals specified in the background reports and the 2012 City of Ottawa Sewer Guidelines:

- Inlet control devices are proposed to limit inflow from the site area into the minor system based on design storms derived from the City of Ottawa IDF curves.
- No ponding occurs during the 2-year design storm event. The surface depth ponding in the service corridor (Block 77) during the 5-year design storm event is a result of the major system overflow generated by the Phase 3 subdivision.
- The storm sewer hydraulic grade line is maintained at least 0.30 m below the underside of footing in the subdivision and downstream properties during design storm events.
- All dynamic surface water depths are less than or equal to 0.35 m during all design storm events up to the 100-year event.
- The downstream Monahan Drian Cell 1 SWM Facility has sufficient volume capacity to receive runoff volumes from the proposed site and provide the required water quantity and quality control as considered by the supporting subdivision design described in the Cavanagh Construction – Soho West (Phase 3), Kanata South, City of Ottawa Stormwater Management Report, Stantec Consulting Ltd., December 2011.

10.4 Grading

The grading for this site is designed to allow for an emergency overland flow outlet to downstream right-of-way as per City standards and to minimize the grade raise per restrictions as recommended by the Geotechnical Investigation by Houle Chevrier.

10.5 Approvals

An Environmental Compliance Approval (ECA) issued by the Ontario Ministry of Environment, Conservation, and Parks (MECP) is not expected to be required for the Akerson Road site development.

An MECP Permit to Take Water (PTTW) may be required for the development if more than 400,000 L/day of ground or surface water is to be pumped during the construction works. If between 50,000 L/day and

400,000 L/day are expected to be pumped during the construction works, registration on the Environmental Activity and Sector Registry (EASR) are required. The geotechnical consultant shall confirm prior to construction whether a PTTW or EASR registry are required for construction dewatering purposes.

No submission to the South Nation Conservation Authority (SNCA) is required.

Typical development approval requirements from The City of Ottawa, as the municipal regulatory agency, are anticipated.

APPENDIX A

Appendix A Potable Water Servicing

A.1 Water Demand Calculations

Domestic Water Demand Estimates
170 & 150 Akerson Road (Block 76 & 78)
Based on Site Plan from M. David Blakely Architect Inc. Dated November 2022

Densities as per City Guidelines:		
Townhomes (Row)	2.7	ppu
Back-to-Back Townhomes	2.7	ppu

Building ID	No. of Units	Population	Daily Rate of Demand (L/cap/day)	Avg Day Demand		Max Day Demand [1]		Peak Hour Demand [2]	
				(L/min)	(L/s)	(L/min)	(L/s)	(L/min)	(L/s)
Back-to-Back Townhomes									
Block 1	6	17	280	3.3	0.06	8.3	0.14	18.2	0.30
Block 2	6	17	280	3.3	0.06	8.3	0.14	18.2	0.30
Block 3	6	17	280	3.3	0.06	8.3	0.14	18.2	0.30
Block 4	6	17	280	3.3	0.06	8.3	0.14	18.2	0.30
Block 5	6	17	280	3.3	0.06	8.3	0.14	18.2	0.30
Block 6	6	17	280	3.3	0.06	8.3	0.14	18.2	0.30
Block 7	6	17	280	3.3	0.06	8.3	0.14	18.2	0.30
Block 8	6	17	280	3.3	0.06	8.3	0.14	18.2	0.30
Total Site :	**48**	**136**		**26.4**	**0.44**	**66.1**	**1.10**	**145.4**	**2.42**

1. Average day water demand for residential areas: 280 L/cap/d
2. The City of Ottawa water demand criteria used to estimate peak demand rates for residential areas are as follows:
   maximum day demand rate = 2.5 x average day demand rate for residential
   peak hour demand rate = 2.2 x maximum day demand rate for residential

A.2 Fire Flow Calculations

Stantec

FUS Fire Flow Calculation Sheet - 2020 FUS Guidelines

Stantec Project #: 160401706
Project Name: Trails West: Cope Drive Units, 80 Cope Drive (Block 104)
Date: 2023-03
Fire Flow Calculation #: 1
Description: 6 Unit, Back-to-Back Townhome, Wood Frame Townhouse Block

Notes: 3 Story, No fire separation

Step	Task	Notes										Value Used	Req'd Fire Flow (L/min)
1	Determine Type of Construction	Type V - Wood Frame / Type IV-D - Mass Timber Construction										1.5	-
2	Determine Effective Floor Area	Sum of All Floor Areas										-	-
		355	355	355								1065	-
3	Determine Required Fire Flow	($F = 220 \times C \times A^{1/2}$). Round to nearest 1000 L/min										-	11000
4	Determine Occupancy Charge	Limited Combustible										-15%	9350
5	Determine Sprinkler Reduction	None										0%	0
		Non-Standard Water Supply or N/A										0%	
		Not Fully Supervised or N/A										0%	
		% Coverage of Sprinkler System										0%	
6	Determine Increase for Exposures (Max. 75%)	Direction	Exposure Distance (m)	Exposed Length (m)	Exposed Height (Stories)	Length-Height Factor (m x stories)	Construction of Adjacent Wall	Firewall / Sprinklered ?				-	-
		North	> 30	18	2	21-49	Type V	NO				0%	3834
		East	10.1 to 20	19	3	41-60	Type V	NO				12%	
		South	3.1 to 10	18	3	41-60	Type V	NO				17%	
		West	10.1 to 20	19	3	41-60	Type V	NO				12%	
7	Determine Final Required Fire Flow	Total Required Fire Flow in L/min, Rounded to Nearest 1000L/min											13000
		Total Required Fire Flow in L/s											216.7
		Required Duration of Fire Flow (hrs)											2.50
		Required Volume of Fire Flow (m^3)											1950

A.3 City of Ottawa Water Boundary Conditions

Boundary Conditions
150 & 170 Akerson Road

Provided Information

Scenario	Demand	
	L/min	L/s
Average Daily Demand	26	0.44
Maximum Daily Demand	66	1.10
Peak Hour	145	2.42
Fire Flow Demand #1	13,000	216.67

Location

Results

Connection 1 – Akerson Rd.

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	161.1	92.0
Peak Hour	156.5	85.5
Max Day plus Fire Flow	151.8	78.9
[1] Ground Elevation =	96.3	m

Notes

1. As per the Ontario Building Code in areas that may be occupied, the static pressure at any fixture shall not exceed 552 kPa (80 psi.) Pressure control measures to be considered are as follows, in order of preference:

a. If possible, systems to be designed to residual pressures of 345 to 552 kPa (50 to 80 psi) in all occupied areas outside of the public right-of-way without special pressure control equipment.
b. Pressure reducing valves to be installed immediately downstream of the isolation valve in the home/ building, located downstream of the meter so it is owner maintained.

Disclaimer

The boundary condition information is based on current operation of the city water distribution system. The computer model simulation is based on the best information available at the time. The operation of the water distribution system can change on a regular basis, resulting in a variation in boundary conditions. The physical properties of watermains deteriorate over time, as such must be assumed in the absence of actual field test data. The variation in physical watermain properties can therefore alter the results of the computer model simulation. Fire Flow analysis is a reflection of available flow in the watermain; there may be additional restrictions that occur between the watermain and the hydrant that the model cannot take into account.

APPENDIX B

Appendix B Wastewater Servicing

B.1 2011 Subdivision Sanitary Design

Stantec

Cavanagh Construction

SOHO Development Phase 3 and 4

DATE: September 2007
REVISION: May 2011
DESIGNED BY: MJS
CHECKED BY: KK

SANITARY SEWER DESIGN SHEET

(City of Ottawa)

FILE NUMBER: 1604-00574

DESIGN PARAMETERS

AVG. DAILY FLOW / PERSON =	350	l/p/day	COMMERCIAL	50,000.00	l/Ha/day
MINIMUM VELOCITY =	0.60	m/s	LIGHT INDUSTRIAL	35,000.00	l/Ha/day
n =	0.013		INSTITUTIONAL	0.60	l/s/Ha
MAX PEAK FACTOR =	4.0		INFILTRATION	0.28	l/s/Ha
MIN PEAK FACTOR =	2.4		RESIDENTIAL HARMON PEAKING FACTOR PERSONS/UNIT =		4.0
			KANATA WEST REPORT PERSONS/UNIT =		3.0
Peaking Factor Industrial:	1.5		POPULATION DENSITY PER UNIT =	Single Family =	3.4
Peaking Factor Comm. / Inst.:	1.5			Townhouse =	2.7

LOCATION			RESIDENTIAL AREA AND POPULATION								COMM		INDUST		INSTIT		C+I+I	INFILTRATION				PIPE					
STREET	FROM MH	TO MH	AREA (ha)	UNITS Singles	UNITS Towns	UNITS (KWR)	POP.	CUMULATIVE AREA (ha)	CUMULATIVE POP.	PEAK FACT.	PEAK FLOW (l/s)	AREA (ha)	ACCU AREA (ha)	AREA (ha)	ACCU AREA (ha)	AREA (ha)	ACCU AREA (ha)	PEAK FLOW (l/s)	TOTAL AREA (ha)	ACCU AREA (ha)	INFILT. FLOW (l/s)	TOTAL FLOW (l/s)	DIST (m)	DIA (mm)	SLOPE (%)	CAP. (FULL) (l/s)	Qcap /Qact	VEL. (FULL) (m/s)	VEL. (ACT.) (m/s)
Phase 3																													
BARRICK HILL ROAD	301	302	0.84	29	0	78		0.84	78	4.00	1.26							0.00	0.84	0.84	0.235	**1.50**	101.0	200	0.45	22.40	0.07	0.70	0.36
BARRICK HILL ROAD	302	303	0.85	30	0	81		1.69	159	4.00	2.59							0.00	0.85	1.69	0.473	**3.05**	103.0	200	0.45	22.40	0.14	0.70	0.46
BARRICK HILL ROAD	303	301	0.78	24	0	65		2.47	224	4.00	3.63							0.00	0.78	2.47	0.692	**4.32**	106.8	200	0.45	22.40	0.19	0.70	0.52
BARRICK HILL ROAD	301	313	0.18	3	0	8		0.18	8	4.00	0.13							0.00	0.18	0.18	0.050	**0.18**	10.5	200	0.65	26.88	0.01	0.84	0.00
BARRICK HILL ROAD	313	314	0.35	9	0	24		0.53	32	4.00	0.52							0.00	0.35	0.53	0.148	**0.67**	69.4	200	0.65	26.88	0.02	0.84	0.34
BARRICK HILL ROAD	314	317	0.37	8	0	22		0.90	54	4.00	0.83							0.00	0.37	0.90	0.252	**1.13**	76.6	200	0.45	22.40	0.05	0.70	0.33
BARRICK HILL ROAD	315	316	0.17	3	0	8		0.17	8	4.00	0.13							0.00	0.17	0.17	0.048	**0.18**	24.6	200	0.65	26.88	0.01	0.84	0.00
BARRICK HILL ROAD	316	317	0.37	9	0	24		0.54	32	4.00	0.52							0.00	0.37	0.54	0.151	**0.67**	53.5	200	0.97	32.96	0.02	1.03	0.41
BARRICK HILL ROAD	315	318	0.09	2	0	5		0.09	5	4.00	0.08							0.00	0.09	0.09	0.025	**0.11**	14.9	200	0.87	31.36	0.00	0.98	0.00
BARRICK HILL ROAD	318	319	0.17	4	0	11		0.26	16	4.00	0.26							0.00	0.17	0.26	0.073	**0.33**	20.5	200	0.65	26.88	0.01	0.84	0.00
BARRICK HILL ROAD	319	320	0.17	2	0	5		0.43	21	4.00	0.34							0.00	0.17	0.43	0.120	**0.46**	10.5	200	0.65	26.88	0.02	0.84	0.00
BARRICK HILL ROAD	320	321	0.77	18	0	49		1.20	70	4.00	1.18							0.00	0.77	1.20	0.336	**1.47**	115.9	200	0.65	26.88	0.05	0.84	0.39
BARRICK HILL ROAD	321	323	0.03	0	0	0		1.23	70	4.00	1.18							0.00	0.03	1.23	0.344	**1.47**	24.5	200	0.45	22.40	0.07	0.70	0.36
Street 1	307	308	0.67	18	0	49		0.67	49	4.00	0.79							0.00	0.67	0.67	0.188	**0.98**	80.0	200	0.45	22.40	0.04	0.70	0.33
Street 1	308	309	0.61	16	0	43		1.28	92	4.00	1.49							0.00	0.61	1.28	0.359	**1.85**	80.0	200	0.45	22.40	0.08	0.70	0.41
Street 1	309	310	0.57	16	0	43		1.85	135	4.00	2.19							0.00	0.57	1.85	0.518	**2.71**	78.2	200	0.45	22.40	0.12	0.70	0.46
Street 1	310	311	0.17	2	0	5		2.02	140	4.00	2.27							0.00	0.17	2.02	0.566	**2.84**	30.0	200	0.45	22.40	0.13	0.70	0.46
SEVENOAK AVENUE	317	322	0.29	7	0	19		1.73	105	4.00	1.70							0.00	0.29	1.73	0.464	**2.18**	57.1	200	0.45	22.40	0.10	0.70	0.41
SEVENOAK AVENUE	322	323	0.43	12	0	32		2.16	137	4.00	2.22							0.00	0.43	2.16	0.605	**2.83**	62.1	200	0.45	22.40	0.13	0.70	0.46
SEVENOAK AVENUE	323	324	0.35	8	0	22		3.74	229	4.00	3.71							0.00	0.35	3.74	1.047	**4.76**	47.2	200	0.45	22.40	0.21	0.70	0.53
SEVENOAK AVENUE	324	325	0.13	4	0	11		3.87	240	4.00	3.89							0.00	0.13	3.87	1.084	**4.97**	17.1	200	0.45	22.40	0.22	0.70	0.55
SEVENOAK AVENUE	325	330	0.17	0	0	0		4.04	240	4.00	3.89							0.00	0.17	4.04	1.131	**5.02**	22.4	200	0.45	22.40	0.22	0.70	0.55
AKERSON ROAD	CAP	304A	0.11		0	0		0.11	1	4.00	0.02	0.00	0.00					0.00	0.11	0.11	0.031	**0.05**	13.8	200	0.45	22.40	0.00	0.70	0.00
AKERSON ROAD	304A	304	0.11		0	0		0.11	1	4.00	0.02	0.00	0.00					0.00	0.11	0.11	0.031	**0.05**	40.5	200	0.45	22.40	0.00	0.70	0.00
AKERSON ROAD	304	305	0.17	4	0	11		2.75	236	4.00	3.82		0.00					0.00	0.17	2.75	0.770	**4.59**	39.3	200	0.45	22.40	0.20	0.70	0.53
AKERSON ROAD	305	306	0.25	7	0	19		3.00	255	4.00	4.13		0.00					0.00	0.25	3.00	0.840	**4.97**	44.1	200	0.45	22.40	0.22	0.70	0.55
AKERSON ROAD	306	311	0.10	3	0	8		3.10	263	4.00	4.26		0.00					0.00	0.10	3.10	0.869	**5.13**	16.6	200	0.45	22.40	0.23	0.70	0.55
AKERSON ROAD	311	312	0.26	6	0	16		5.38	419	4.00	6.79		0.00					0.00	0.26	5.38	1.509	**8.30**	51.7	200	0.45	22.40	0.37	0.70	0.64
AKERSON ROAD	312	312A	0.10	0	0	0		5.48	419	4.00	6.79		0.00					0.00	0.10	5.48	1.534	**8.32**	42.8	200	0.45	22.40	0.37	0.70	0.64
AKERSON ROAD	328	329	0.57	14	0	38		0.57	38	4.00	0.62							0.00	0.57	0.57	0.160	**0.78**	115.0	200	0.45	22.40	0.03	0.70	0.28
AKERSON ROAD	329	330	0.13	0	0	0		0.70	38	4.00	0.62							0.00	0.13	0.70	0.199	**0.82**	60.0	200	2.23	49.92	0.02	1.56	0.00
AKERSON ROAD	CAP	330	0.79	48	0	130		0.79	130	4.00	2.11							0.00	0.79	0.79	0.221	**2.33**	13.2	200	0.65	26.88	0.09	0.84	0.49
AKERSON ROAD	330	312A	0.05	0	0	0		5.58	408	4.00	6.61							0.00	0.05	5.58	1.562	**8.17**	27.4	200	0.45	22.40	0.36	0.70	0.64
AKERSON ROAD	312A	trunk	0.01	0	0	0		5.70	827	3.85	12.90		0.00					0.00	0.01	11.07	3.100	**16.00**	2.2	200	3.00	57.92	0.28	1.81	1.48

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Legend

- PROPOSED SANITARY SEWER
- 10 — POPULATION; 0.09 — SANITARY DRAINAGE AREA (ha)
- LIMIT OF SANITARY DRAINAGE AREA
- 27 — EXISTING POPULATION; 0.42 — EXISTING SANITARY DRAINAGE AREA (ha)
- EXISTING LIMIT OF SANITARY DRAINAGE AREA
- EXISTING SANITARY SEWER

Notes

	Revision	By	Appd.	YY.MM.DD
3	REVISED & ISSUED FOR FINAL APPROVAL	GBU	KJK	11.09.08
2	REVISED & ISSUED FOR FINAL APPROVAL	KJK	JBL	11.07.14
1	ISSUED FOR CITY COMMENTS	KJK	JBL	10.06.23

File Name: 160400574C-SAN	NI	JBL	KJK	07.03.14
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
J.B. LACHANCE
25173949
Jul. 8th/11
PROVINCE OF ONTARIO

Client/Project

CAVANAGH CONSTRUCTION LTD.

SOHO - KANATA SOUTH (PHASE 3)

Ottawa ON Canada

Title

SANITARY DRAINAGE PLAN

Project No.	Scale
160400574C	1:750 (0, 7.5, 22.5, 37.5m)

Drawing No.	Sheet	Revision
SAN-1	20 of 23	3

B.2 Sanitary Sewer Design Sheet

Stantec

SUBDIVISION:

Trail West: Akerson Road Blocks 76, 77 & 78

DATE: 4/10/2023
REVISION: 1
DESIGNED BY: WAJ
CHECKED BY: -

SANITARY SEWER DESIGN SHEET
(City of Ottawa)

FILE NUMBER: 160401706

DESIGN PARAMETERS

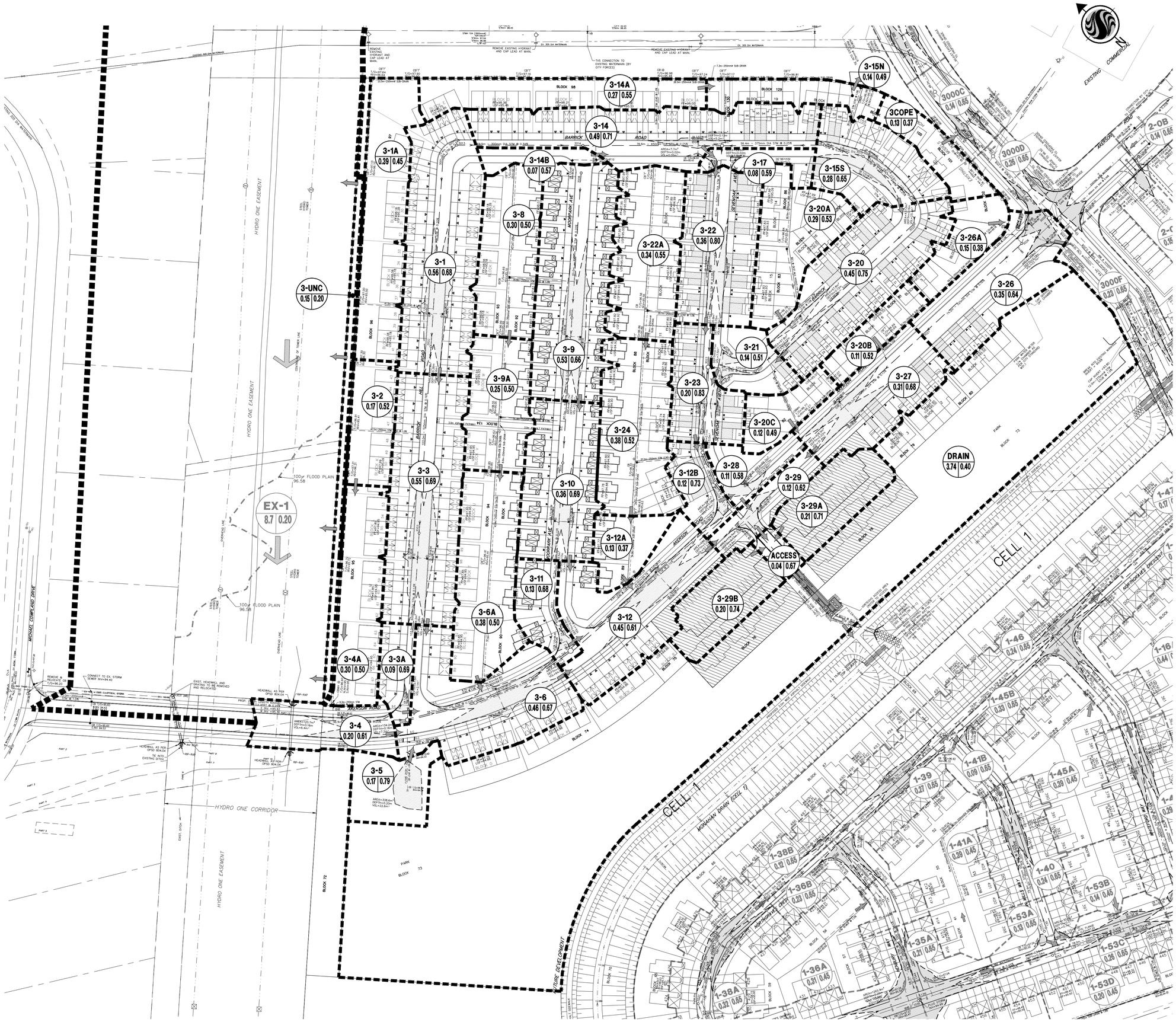
MAX PEAK FACTOR (RES.)=	4.0	AVG. DAILY FLOW / PERSON	280 l/p/day	MINIMUM VELOCITY	0.60 m/s
MIN PEAK FACTOR (RES.)=	2.0	COMMERCIAL	28,000 l/ha/day	MAXIMUM VELOCITY	3.00 m/s
PEAKING FACTOR (INDUSTRIAL):	2.4	INDUSTRIAL (HEAVY)	55,000 l/ha/day	MANNINGS n	0.013
PEAKING FACTOR (ICI >20%):	1.5	INDUSTRIAL (LIGHT)	35,000 l/ha/day	BEDDING CLASS	B
PERSONS / SINGLE	3.4	INSTITUTIONAL	28,000 l/ha/day	MINIMUM COVER	2.50 m
PERSONS / TOWNHOME	2.7	INFILTRATION	0.33 l/s/Ha	HARMON CORRECTION FACTOR	0.8
PERSONS / APARTMENT	1.8				

LOCATION			RESIDENTIAL AREA AND POPULATION									COMMERCIAL		INDUSTRIAL (L)		INDUSTRIAL (H)		INSTITUTIONAL		GREEN / UNUSED		C+I+I	INFILTRATION			TOTAL	PIPE							
AREA ID NUMBER	FROM M.H.	TO M.H.	AREA	SINGLE	UNITS TOWN	APT	POP.	CUMULATIVE AREA	CUMULATIVE POP.	PEAK FACT.	PEAK FLOW	AREA	ACCU. AREA	AREA	ACCU. AREA	AREA	ACCU. AREA	AREA	ACCU. AREA	AREA	ACCU. AREA	PEAK FLOW	TOTAL AREA	ACCU. AREA	INFILT. FLOW	FLOW	LENGTH	DIA	MATERIAL	CLASS	SLOPE	CAP. (FULL)	CAP. V PEAK FLOW	VEL. (FULL)	VEL. (ACT.)
			(ha)					(ha)			(l/s)	(ha)	(ha)	(ha)	(ha)	(ha)	(ha)	(ha)	(ha)	(ha)	(ha)	(l/s)	(ha)	(ha)	(l/s)	(l/s)	(m)	(mm)			(%)	(l/s)	(%)	(m/s)	(m/s)
R2A	2	1	0.12	0	6	0	16	0.12	16	3.71	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.12	0.12	0.0	0.2	57.2	200	PVC	SDR 35	0.65	27.0	**0.86%**	0.85	0.23
																												200							
R4A	4	3	0.17	0	12	0	32	0.17	32	3.68	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.17	0.17	0.1	0.4	57.7	200	PVC	SDR 35	0.50	23.6	**1.87%**	0.74	0.24
																												200							
R9A	9	8	0.17	0	12	0	32	0.17	32	3.68	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.17	0.17	0.1	0.4	57.6	200	PVC	SDR 35	0.90	31.7	**1.39%**	1.00	0.31
																												200							
R7A	7	6	0.16	0	10	0	27	0.16	27	3.69	0.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.16	0.16	0.1	0.4	34.6	200	PVC	SDR 35	1.30	38.1	**0.98%**	1.20	0.32
R6A	6	5	0.04	0	2	0	5	0.20	32	3.68	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.04	0.20	0.1	0.5	7.1	200	PVC	SDR 35	1.30	38.1	**1.19%**	1.20	0.35
	5	330	0.00	0	0	0	0	0.20	32	3.68	0.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.20	0.1	0.5	13.2	200	PVC	SDR 35	0.65	27.0	**1.68%**	0.85	0.26
																												200							
R11A	11	10	0.12	0	6	0	16	0.12	16	3.71	0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.12	0.12	0.0	0.2	57.7	200	PVC	SDR 35	0.65	27.0	**0.86%**	0.85	0.23
																												200							

APPENDIX C

Appendix C Stormwater Management

C.1 2011 Subdivision Storm Design



V:\01-60A\active\160400574_ashonest\design\drawing\160400574-SD.dwg
2011-09-08 11:29AM By: glulak

ORIGINAL SHEET – ISO A1

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Stantec

Legend

- 3-9C / 0.26 / 0.65 — DRAINAGE AREA NO. / RUNOFF COEFFICIENT / STORM DRAINAGE AREA (ha)
- DRAINAGE AREA BOUNDARY
- PROPOSED STORM SEWER & MANHOLE
- PROPOSED CATCH BASIN (ALL ROAD CB'S TO INCLUDE PERFORATED STUB DRAINS EXTENDING OUT FROM THE CB IN TWO DIRECTIONS PARALLEL TO THE ROADWAY. THESE DRAINS ARE TO BE INSTALLED AT THE BOTTOM OF THE SUBBASE LAYER.)
- PROPOSED SUBDRAIN CATCH BASIN
- PROPOSED 250ø PERFORATED PIPE
- (IC) STREET CATCHBASINS TO BE INTERCONNECTED WITH ONLY ONE CONNECTION TO STORM SEWER PER PAIR WHERE NOTED.
- (A) IPEX TYPE 'A' TO BE INSTALLED IN STREET AND REAR YARD CATCHBASINS WHERE NOTED.
- (A) PROPOSED CATCH BASIN / MANHOLE c/w IPEX INLET-CONTROL DEVICE TYPE 'A' OR APPROVED EQUIVALENT
- PONDING AREA LIMITS
- DEPTH=0.20m — MAXIMUM PONDING DEPTH
- DIRECTION OF OVERLAND FLOW
- BLOCKS TO BE APPROVED DURING SITE PLAN APPLICATION PROCESS (SEE NOTE#2).

Notes

1. IPEX TYPE 'A' TO RESTRICT FLOWS TO THE STORM SEWER TO 22L/s AT 1.8m HEAD.
2. ALL HATCHED BLOCKS – STYLE OF UNIT, SERVICING AND GRADING WITHIN THESE BLOCKS TO BE DETERMINED IN INDIVIDUAL SITE PLAN APPLICATIONS. ALL GRADES AND SERVICING AS SHOWN ARE CONCEPTUAL IN NATURE AND DO NOT REFLECT THE FINAL DESIGN FOR THESE BLOCKS.
3. AREAS 3-29A AND 3-29B TO RESTRICT FLOWS TO THE STORM SEWER TO 22 L/s EACH AND PROVIDE 20m³ OF SURFACE STORAGE IN EACH OF THE FUTURE PARKING LOTS.

4	REVISED WITH NEW UNIT FOOTPRINTS	JMC	NPC	11.12.06
3	REVISED & ISSUED FOR FINAL APPROVAL	GBU	KJK	11.09.08
2	REVISED & ISSUED FOR FINAL APPROVAL	KJK	JBL	11.07.14
1	ISSUED FOR CITY COMMENTS	KJK	JBL	10.06.23
Revision		By	Appd.	YY.MM.DD
File Name: 160400574C-SD		NI	JBL	KJK	07.03.14
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
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Dec. 5, 2014
PROVINCE OF ONTARIO

Client/Project

CAVANAGH CONSTRUCTION LTD.

SOHO - KANATA SOUTH (PHASE 3)

Ottawa ON Canada

Title

STORM DRAINAGE PLAN

Project No. 160400574C

Scale 1:1000 (0 10 30 50m)

Drawing No. SD-1

Sheet 19 of 23

Revision 4

Stantec

Soho West Development

Submission 2

DATE: September 19, 2007

REVISION: June 7, 2011

DESIGNED BY: NPC

CHECKED BY:

STORM SEWER DESIGN SHEET

(City of Ottawa)

Phase 3

FILE NUMBER: 1604-00574

DESIGN PARAMETERS

$I = a / (t+b)^c$

(As per City of Ottawa Guidelines, 2004)

	1:5 yr	1:10 yr
a =	998.07	1174.184
b =	6.053	6.014
c =	0.814	0.816

MANNING'S n = 0.013

MINIMUM COVER: 2.00 m

TIME OF ENTRY 15 min

LOCATION			DRAINAGE AREA								PIPE SELECTION										
STREET / AREA ID	FROM M.H.	TO M.H.	AREA (ha)	C (-)	ACCUM. AREA (ha)	A x C (ha)	ACCUM. AxC (ha)	T of C (min)	I (mm/h)	Q_{ACT} (CIA/360) (L/s)	LENGTH (m)	PIPE SIZE (mm)	SLOPE %	Pipe size Conduit Type	ox/Elliptic (height)	Box Width	Q_{CAP} (FULL) (L/s)	$\frac{Q_{ACT}}{Q_{CAP}}$ (-)	VEL. (FULL) (m/s)	VEL. (ACT) (m/s)	TIME OF FLOW (min)
BARRICK HILL ROAD (3-1, 3-1A)	3001	3002	0.96	0.59	0.96	0.56	0.56	15.00	83.56	130.6	104.0	450	0.20				131.3	0.99	0.80	0.93	1.87
BARRICK HILL ROAD (3-2)	3002	3003	0.17	0.52	1.13	0.09	0.65	16.87	77.97	141.3	103.0	525	0.16				179.5	0.79	0.80	0.90	1.92
BARRICK HILL ROAD (3-3, 3-3A)	3003	3005	0.64	0.69	1.77	0.44	1.10	18.78	73.04	222.2	103.0	600	0.13				232.7	0.95	0.80	0.92	1.86
								20.65													
BARRICK HILL ROAD (NONE)	3001	3013			0.00	0.00	0.00	15.00	83.56	0.0	10.4	300	0.34				58.8	0.00	0.81	0.00	0.00
BARRICK HILL ROAD (NONE)	3013	3014			0.00	0.00	0.00	15.00	83.56	0.0	69.5	300	0.34				58.8	0.00	0.81	0.00	0.00
BARRICK HILL ROAD (3-14, 3-14A, 3-14B)	3014	3017	0.83	0.64	0.83	0.53	0.53	15.00	83.56	123.9	76.6	450	0.25				148.7	0.83	0.91	1.02	1.25
								16.25													
BARRICK HILL ROAD (3-15N)	3015	3016	0.14	0.49	0.14	0.07	0.07	15.00	83.56	16.3	22.5	375	0.34				106.7	0.15	0.94	0.65	0.58
BARRICK HILL ROAD (NONE)	3016	3017			0.14	0.00	0.07	15.58	81.73	16.0	56.4	375	0.25				91.5	0.17	0.80	0.58	1.63
								17.21													
BARRICK HILL ROAD (3-15S)	3015	3018	0.28	0.65	0.28	0.18	0.18	15.00	83.56	42.0	15.8	300	0.34				58.8	0.71	0.81	0.88	0.30
BARRICK HILL ROAD (NONE)	3018	3019			0.28	0.00	0.18	15.30	82.60	41.5	23.6	375	0.25				91.5	0.45	0.80	0.77	0.51
BARRICK HILL ROAD (NONE)	3019	3020			0.28	0.00	0.18	15.81	81.04	40.7	10.7	375	0.25				91.5	0.45	0.80	0.77	0.23
BARRICK HILL ROAD (3-20, 3-20A, 3-20B, 3-20C)	3020	3021	0.98	0.63	1.26	0.61	0.80	16.04	80.35	177.5	119.2	525	0.16				179.5	0.99	0.80	0.93	2.13
BARRICK HILL ROAD (3-21)	3021	3023	0.14	0.51	1.40	0.07	0.87	18.17	74.54	179.1	26.1	525	0.16				179.5	1.00	0.80	0.93	0.47
								18.64													
SEVENOAK AVENUE (3-17)	3017	3022	0.08	0.59	1.05	0.05	0.65	17.21	77.04	139.5	60.0	525	0.16				179.5	0.78	0.80	0.89	1.12
SEVENOAK AVENUE (3-22, 3-22A)	3022	3023	0.70	0.68	1.75	0.48	1.13	18.33	74.14	232.4	62.1	600	0.13				232.7	1.00	0.80	0.92	1.12
								19.45													
SEVENOAK AVENUE (3-23)	3023	3024	0.20	0.83	3.35	0.17	2.16	19.45	71.48	429.1	47.2	825	0.10				473.6	0.91	0.86	0.98	0.80
SEVENOAK AVENUE (3-24)	3024	3025	0.38	0.52	3.74	0.20	2.36	20.25	69.71	457.0	18.0	825	0.10				473.6	0.97	0.86	1.00	0.30
SEVENOAK AVENUE (NONE)	3025	3029			3.74	0.00	2.36	20.55	69.06	452.8	17.3	825	0.10				473.6	0.96	0.86	0.99	0.29
								20.84													
STREET 1 (3-8)	3008	3009	0.30	0.50	0.30	0.15	0.15	15.00	83.56	35.2	80.0	450	0.20				131.3	0.27	0.80	0.66	2.03
STREET 1 (3-9, 3-9A)	3009	3010	0.79	0.61	1.09	0.48	0.63	17.03	77.52	136.3	80.0	525	0.16				179.5	0.76	0.80	0.89	1.50
STREET 1 (3-10)	3010	3011	0.36	0.69	1.45	0.25	0.88	18.53	73.64	179.8	81.2	600	0.13				232.7	0.77	0.80	0.89	1.53
STREET 1 (3-11)	3011	3012	0.13	0.68	1.57	0.09	0.97	20.06	70.11	188.0	24.3	600	0.13				232.7	0.81	0.80	0.89	0.45
								20.52													
AKERSON ROAD (3-4, 3-4A)	3004	3005	0.50	0.54	0.50	0.27	0.27	15.00	83.56	63.7	46.9	450	0.20				133.0	0.48	0.81	0.79	0.98
								15.98													
AKERSON ROAD (3-5)	3005	3006	0.17	0.79	2.45	0.13	1.50	20.65	68.86	287.8	38.7	750	0.10				367.3	0.78	0.81	0.90	0.72
AKERSON ROAD (3-6, 3-6A)	3006	3007	0.84	0.59	3.28	0.49	2.00	21.37	67.39	373.8	33.0	825	0.10				473.6	0.79	0.86	0.96	0.57
AKERSON ROAD (NONE)	3007	3012			3.28	0.00	2.00	21.94	66.26	367.5	27.0	825	0.10				473.6	0.78	0.86	0.95	0.47
								22.41													
AKERSON ROAD (3-12, 3-12A, 3-12B)	3012	3029	0.69	0.58	5.55	0.40	3.37	22.41	65.36	611.0	119.0	-	0.10	BOX	900	1800	1766.0	0.35	1.09	0.98	2.02
								24.44													
AKERSON ROAD (3-26, 3-26A)	3026	3027	0.49	0.56	0.49	0.28	0.28	15.00	83.56	64.2	74.2	525	0.16				179.5	0.36	0.80	0.72	1.71
AKERSON ROAD (3-27)	3027	3028	0.31	0.68	0.80	0.21	0.49	16.71	78.41	106.2	88.0	600	0.13				232.7	0.46	0.80	0.77	1.91
AKERSON ROAD (3-28)	3028	3029	0.11	0.58	0.91	0.06	0.55	18.62	73.44	112.3	53.5	600	0.13				232.7	0.48	0.80	0.79	1.13
								19.75													
OUTLET (3-29, 3-29A, 3-29B)	3029	3030	0.53	0.70	10.73	0.37	6.65	24.44	61.81	1141.0	75.0	-	0.10	BOX	900	1800	1766.0	0.65	1.09	1.17	1.07
	3030	3030B			10.73	0.00	6.65	25.51	60.10	1109.4	2.0	-	0.10	BOX	900	1800	1766.0	0.63	1.09	1.16	0.03
	3030B	HEADWALL			10.73	0.00	6.65	**25.51**	60.10	1109.4	25.5	-	0.10	BOX	900	1800	1766.0	0.63	1.09	1.16	0.37

Segment	Max. Storage (cu.m.)	Max. Ponding (m)	Max. Depth (cm)	Max. Capture (L/s)	Overflow (L/s)
Max ICD Flow				**975**	**L/s**
Total Major Flow from Phase 3 into Cell 1				**2287**	**L/s**

1. Major system overflow from segment
2. Total major flow from Phase 3 is equal to the "inflow" from DUM-CELL1 and COPE-1
3. Lumped areas sheet flowing directly into the Monahan Drain, thus the depth does not represent the actual ponding depth
4. Flow to Minor System is the sum of ICD inflows, not including areas '3-UNC', 'DUM-CELL1', and 'COPE-1'

* The grassed swale segment in DDSWMM was defined conservatively assuming a constant cross shoulder slope of 3.5% with a Manning's n of 0.25

The overall resulting minor system inflow from Phase 3 of the Soho West development is approximately 92.3 L/s/ha (site area to sewer = 10.56 ha). Major flows from the subject site have been directed to Cell 1 of the Monahan Drain via engineered channels such as roadways and walkways.

4.4 HYDRAULICS

To assess the 100 year hydraulic grade line (HGL) in the subdivision, the proposed storm sewers and detailed DDSWMM hydrology were incorporated into a dynamic hydraulic model (XPSWMM - EXTRAN). The 100 year HGL elevation in Cell 1 of the Monahan Drain was obtained through conversations with Novatech Engineering staff. Previous reports for the Monahan Drain Constructed Wetland estimated the 100 year water level in Cell 1 to be approximately 94.94 m. However, a set of twin culverts has been proposed to cross Fernbank Road, as well as Cope Drive, which will decrease the water level in Cell 1 to 94.55 m. In addition, the latest revision to the Monahan Drain Constructed Wetlands EPA SWMM model by Novatech Engineering resulted in a lower 100 year water elevation in Cell 1 equal to 94.38 m.

Appendix C presents the proposed storm sewer design sheet.

4.4.1 HGL Modeling Results

The detailed DDSWMM hydrology was interfaced with the XP-SWMM model to determine the resulting HGL in the subdivision. The configuration and number of ICDs were iterated between DDSWMM and XP-SWMM to meet the HGL requirements for the 100 year storm. **Table 4.2** summarizes the HGL modeling results.

Table 4.2: Phase 3 - 100 Year Hydraulic Grade Line Results

Node (CB/MH)	Ground Elevation (m)	Lowest Underside of Footing (m)	Worst-case HGL (m)	Separation (m)
3001	97.50	95.85	94.64	1.21
3001W	97.50	95.18	94.71	0.47
3002	97.18	94.95	94.60	0.35
3003	96.87	94.95	94.56	0.39
3004	96.87	N/A	94.51	-
3005	96.88	94.86	94.50	0.36

Node (CB/MH)	Ground Elevation (m)	Lowest Underside of Footing (m)	Worst-case HGL (m)	Separation (m)
3006	96.55	94.86	94.49	0.37
3007	96.64	94.86	94.48	0.38
3008	97.20	95.00	94.56	0.44
3009	96.83	94.92	94.56	0.36
3010	96.85	94.88	94.53	0.35
3011	96.70	94.86	94.50	0.36
3012	96.67	94.86	94.47	0.39
3013	97.40	95.46	94.62	0.84
3014	97.37	95.10	94.62	0.48
3015N	97.05	95.03	94.56	0.47
3015S	97.05	95.54	94.64	0.90
3016	97.15	95.03	94.56	0.47
3017	97.17	94.99	94.55	0.44
3018	97.12	95.50	94.63	0.87
3019	97.22	95.50	94.63	0.87
3020	97.15	95.01	94.62	0.39
3021	96.82	95.01	94.55	0.46
3022	96.85	94.90	94.53	0.37
3023	96.81	94.86	94.50	0.36
3024	96.75	94.83	94.49	0.34
3025	96.50	94.83	94.48	0.35
3026	96.40	N/A	94.48	-
3027	97.16	95.00	94.48	0.52
3028	96.94	95.00	94.47	0.53
3029	96.51	94.83	94.46	0.37
3030	96.16	N/A	94.40	-
3030B	96.18	N/A	94.40	-
BYPASS	96.18	N/A	94.45	-
MONAHAN3	94.90	N/A	94.38	-

As demonstrated in **Table 4.2**, the worst-case scenario results in HGL elevations that remain at least 0.30 m below the proposed underside of footings (USFs) in all locations. **Appendix B** summarizes the results of the hydraulic modeling, including detailed profiles, and output files for the subject site area.

See **Appendix F** for information concerning the comparison of the HGL elevations and the water table elevations.

4.4.2 Hydraulic Losses

Hydraulic losses at the manholes were taken into account during the hydraulic modeling at the request of the peer reviewer. The sewer bend loss coefficients were found using the Design Chart found in Appendix 6-B of the *City of Ottawa Sewer Design Guidelines*. The angle between two pipes segments meeting at a manhole was determined from the design drawings. Using this angle, the bend loss coefficient was determined from the chart. The coefficient was

5 year, 3hr Chicago Storm

SOHO WEST (PHASE 3) - June 2011

Catchment/Inlet Simulation

5 yr - 3hr Chicago Storm

MAJOR SYSTEM

SUMMARY OF SIMULATION RESULTS

Segment	Max. Storage (cu.m.)	Max. Ponding (m)	Max. Depth (cm)	Max. Capture (L/s)	Overflow (L/s)	D/S Pipe
3-1	62.56	0.26	6.32	42.37	0	3001W
3-1A	-	-	18.78	21.2	11	3001W
3-2	-	-	14.67	21.2	1	3002
3-3	66.05	0.25	6.32	38.74	0	3003
3-UNC	-	-	10.65	13.63	0	UNC
3-4	13.6	0.16	3.87	21.2	3	3004
3-5	18.8	0.19	1.12	17.63	0	3005
3-4A	-	-	18.11	21.2	10	3004
3-3A	1.74	0.12	3.24	17.54	0	3003
3-6	60.44	0.27	6	39.55	0	3006
3-6A	-	-	20.3	21.2	19	3006
3-12	57.2	0.25	5.7	21.2	15	3012
3-11	1.4	0.07	3.56	21.2	8	3011
3-10	19.5	0.17	5.45	42.4	16	3010
3-9	60.94	0.26	6.19	35.78	0	3009
3-8	-	-	18.4	21.2	13	3008
3-9A	-	-	16.95	21.2	13	3009
3-14	5.2	0.13	6.11	21.2	76	3014
3-14A	-	-	18	21.2	9	3014
3-15S	23.3	0.16	4.67	21.2	20	3015S
3-15N	-	-	12.47	16.39	0	3015N
3COPE	-	-	10.38	0	12	NONE
3-20	7.8	0.12	6.31	42.4	68	3020
3-26A	-	-	10.83	13.7	0	3026
3-20A	-	-	19.01	21.2	20	3020
3-20B	-	-	11.68	16.21	0	3020
3-21	7.5	0.11	5.44	21.2	56	3021
3-14B	-	-	2.55	12.23	0	3014
3-17	0.2	0.02	5.87	21.2	67	3017
3-22	16	0.15	6.91	21.2	125	3022
3-22A	-	-	20.82	21.2	24	3022
3-23	3	0.11	8.03	21.2	191	3023
3-20C	-	-	12.12	17.51	0	3020
3-24	-	-	21.2	21.2	34	3024
3-12A	-	-	18.03	21.2	18	3012
3-29	9.9	0.17	7.63	21.2	168	3029
3-12B	2.6	0.08	7.97	21.2	188	3012
3-28	3.8	0.17	7.78	21.2	177	3028
3-27	31.4	0.22	5.02	21.2	8	3027
3-26	22.7	0.19	5.03	21.2	31	3026
3-29B	20	0.25	4.33	21.2	12	3029
3-29A	20	0.25	4.31	21.2	0	3029
DRAIN	-	-	49.93	0	350	NONE
ACCESS	-	-	4.46	0	182	NONE
DUM-CELL1	-	-	43.12	450.61	0	MAJOR
COPE-1	-	-	23.48	41.05	0	COPE
Max ICD Flow				**925**	**L/s**	
Total Major Flow from Phase 3 into Cell 1				**492**	**L/s**	

100 year, 3hr Chicago Storm

SOHO WEST (PHASE 3) - June 2011

Catchment/Inlet Simulation

100 yr - 3hr Chicago Storm

MAJOR SYSTEM

SUMMARY OF SIMULATION RESULTS

Segment	Max. Storage (cu.m.)	Max. Ponding (m)	Max. Depth (cm)	Max. Capture (L/s)	Overflow (L/s)	D/S Pipe
3-1	62.6	0.26	8.04	42.4	170	3001W
3-1A	-	-	25.89	21.2	41	3001W
3-2	-	-	22.49	21.2	42	3002
3-3	72.3	0.26	9.8	42.4	308	3003
3-UNC	-	-	21.48	57.84	0	UNC
3-4	13.6	0.16	5.43	21.2	56	3004
3-5	22.6	0.20	2.12	21.2	59	3005
3-4A	-	-	25.17	21.2	57	3004
3-3A	2.1	0.13	4	21.2	19	3003
3-6	64.8	0.28	12.02	42.4	539	3006
3-6A	-	-	29.95	21.2	96	3006
3-12	57.2	0.25	13.63	21.2	814	3012
3-11	1.4	0.07	4.62	21.2	35	3011
3-10	19.5	0.17	7.89	42.4	162	3010
3-9	72.2	0.27	7.8	42.4	114	3009
3-8	-	-	25.72	21.2	50	3008
3-9A	-	-	27.3	21.2	72	3009
3-14	5.2	0.13	7.63	21.2	167	3014
3-14A	-	-	24.81	21.2	37	3014
3-15S	23.3	0.16	6.35	21.2	91	3015S
3-15N	-	-	20.85	21.2	32	3015N
3COPE	-	-	17.81	0	38	NONE
3-20	7.8	0.12	9.29	42.4	258	3020
3-26A	-	-	17.27	21.2	14	3026
3-20A	-	-	26.45	21.2	64	3020
3-20B	-	-	16.71	21.2	12	3020
3-21	7.5	0.11	9.23	21.2	272	3021
3-14B	-	-	3.41	21.2	4	3014
3-17	0.2	0.02	7.73	21.2	174	3017
3-22	16	0.15	9.5	21.2	301	3022
3-22A	-	-	28.56	21.2	73	3022
3-23	3	0.11	12.36	21.2	616	3023
3-20C	-	-	18.74	21.2	20	3020
3-24	-	-	32.64	21.2	116	3024
3-12A	-	-	31.88	21.2	110	3012
3-29	9.9	0.17	16.88	21.2	1450	3029
3-12B	2.6	0.08	12.45	21.2	630	3012
3-28	3.8	0.17	12.48	21.2	637	3028
3-27	31.4	0.22	6.98	21.2	128	3027
3-26	22.7	0.19	6.64	21.2	108	3026
3-29B	20	0.25	6.02	21.2	72	3029
3-29A	20	0.25	6.02	21.2	72	3029
DRAIN	-	-	69.67	0	762	NONE
ACCESS	-	-	16.02	0	1528	NONE
DUM-CELL1	-	-	67.88	2140.25	0	MAJOR
COPE-1	-	-	32.09	147.15	0	COPE
Max ICD Flow				**975**	**L/s**	
Total Major Flow from Phase 3 into Cell 1				**2287**	**L/s**	

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3001W		3002		3003		3004		3005		3006		3012	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
0:00	0	0:00	0	0:00	0	0:00	0	0:00	0	0:00	0	0:00	0
0:05	0	0:05	0	0:05	0	0:05	0	0:05	0	0:05	0	0:05	0
0:10	0	0:10	0	0:10	0	0:10	0	0:10	0	0:10	0	0:10	0
0:15	0	0:15	0	0:15	0	0:15	0	0:15	0	0:15	0	0:15	0
0:20	0	0:20	0	0:20	0	0:20	0	0:20	0	0:20	0	0:20	0
0:25	0	0:25	0	0:25	0	0:25	0	0:25	0	0:25	0	0:25	0.001
0:30	0.001	0:30	0.001	0:30	0.001	0:30	0.001	0:30	0	0:30	0.001	0:30	0.002
0:35	0.002	0:35	0.001	0:35	0.003	0:35	0.002	0:35	0	0:35	0.003	0:35	0.004
0:40	0.004	0:40	0.001	0:40	0.006	0:40	0.002	0:40	0.001	0:40	0.004	0:40	0.006
0:45	0.008	0:45	0.003	0:45	0.011	0:45	0.005	0:45	0.002	0:45	0.009	0:45	0.012
0:50	0.016	0:50	0.002	0:50	0.028	0:50	0.011	0:50	0.005	0:50	0.015	0:50	0.031
0:55	0.042	0:55	0.019	0:55	0.053	0:55	0.027	0:55	0.021	0:55	0.045	0:55	0.059
1:00	0.064	1:00	0.021	1:00	0.064	1:00	0.042	1:00	0.021	1:00	0.064	1:00	0.064
1:05	0.064	1:05	0.021	1:05	0.06	1:05	0.042	1:05	0.021	1:05	0.064	1:05	0.064
1:10	0.064	1:10	0.021	1:10	0.054	1:10	0.042	1:10	0.021	1:10	0.064	1:10	0.064
1:15	0.064	1:15	0.021	1:15	0.051	1:15	0.042	1:15	0.021	1:15	0.064	1:15	0.064
1:20	0.064	1:20	0.021	1:20	0.049	1:20	0.042	1:20	0.021	1:20	0.064	1:20	0.064
1:25	0.063	1:25	0.021	1:25	0.047	1:25	0.042	1:25	0.02	1:25	0.064	1:25	0.058
1:30	0.061	1:30	0.021	1:30	0.045	1:30	0.042	1:30	0.018	1:30	0.064	1:30	0.05
1:35	0.059	1:35	0.017	1:35	0.042	1:35	0.042	1:35	0.017	1:35	0.063	1:35	0.043
1:40	0.056	1:40	0.013	1:40	0.038	1:40	0.038	1:40	0.015	1:40	0.061	1:40	0.034
1:45	0.051	1:45	0.008	1:45	0.035	1:45	0.03	1:45	0.014	1:45	0.053	1:45	0.029
1:50	0.045	1:50	0.006	1:50	0.032	1:50	0.024	1:50	0.013	1:50	0.046	1:50	0.026
1:55	0.041	1:55	0.005	1:55	0.03	1:55	0.019	1:55	0.011	1:55	0.04	1:55	0.024
2:00	0.037	2:00	0.004	2:00	0.027	2:00	0.016	2:00	0.01	2:00	0.035	2:00	0.022
2:05	0.033	2:05	0.003	2:05	0.025	2:05	0.014	2:05	0.01	2:05	0.031	2:05	0.021
2:10	0.03	2:10	0.003	2:10	0.023	2:10	0.012	2:10	0.009	2:10	0.027	2:10	0.019
2:15	0.027	2:15	0.003	2:15	0.021	2:15	0.01	2:15	0.008	2:15	0.024	2:15	0.018
2:20	0.024	2:20	0.002	2:20	0.019	2:20	0.009	2:20	0.007	2:20	0.022	2:20	0.017
2:25	0.022	2:25	0.002	2:25	0.017	2:25	0.008	2:25	0.007	2:25	0.019	2:25	0.016
2:30	0.02	2:30	0.002	2:30	0.016	2:30	0.007	2:30	0.006	2:30	0.017	2:30	0.015
2:35	0.018	2:35	0.002	2:35	0.015	2:35	0.006	2:35	0.006	2:35	0.015	2:35	0.014
2:40	0.016	2:40	0.002	2:40	0.013	2:40	0.006	2:40	0.006	2:40	0.014	2:40	0.013
2:45	0.015	2:45	0.002	2:45	0.012	2:45	0.005	2:45	0.005	2:45	0.013	2:45	0.012
2:50	0.014	2:50	0.001	2:50	0.012	2:50	0.005	2:50	0.005	2:50	0.012	2:50	0.012
2:55	0.013	2:55	0.001	2:55	0.011	2:55	0.005	2:55	0.005	2:55	0.011	2:55	0.011
3:00	0.012	3:00	0.002	3:00	0.01	3:00	0.005	3:00	0.004	3:00	0.01	3:00	0.01
3:05	0.012	3:05	0.002	3:05	0.01	3:05	0.005	3:05	0.004	3:05	0.01	3:05	0.01
3:10	0.011	3:10	0.002	3:10	0.009	3:10	0.005	3:10	0.004	3:10	0.009	3:10	0.009
3:15	0.01	3:15	0.001	3:15	0.008	3:15	0.004	3:15	0.004	3:15	0.008	3:15	0.009
3:20	0.009	3:20	0.001	3:20	0.008	3:20	0.004	3:20	0.004	3:20	0.008	3:20	0.008
3:25	0.008	3:25	0.001	3:25	0.007	3:25	0.004	3:25	0.004	3:25	0.007	3:25	0.008
3:30	0.008	3:30	0.001	3:30	0.006	3:30	0.003	3:30	0.003	3:30	0.006	3:30	0.007
3:35	0.007	3:35	0.001	3:35	0.006	3:35	0.003	3:35	0.003	3:35	0.006	3:35	0.007
3:40	0.006	3:40	0.001	3:40	0.005	3:40	0.003	3:40	0.003	3:40	0.005	3:40	0.006
3:45	0.006	3:45	0.001	3:45	0.005	3:45	0.003	3:45	0.003	3:45	0.005	3:45	0.006
3:50	0.005	3:50	0.001	3:50	0.004	3:50	0.003	3:50	0.003	3:50	0.004	3:50	0.005
3:55	0.005	3:55	0.001	3:55	0.004	3:55	0.002	3:55	0.003	3:55	0.004	3:55	0.005
4:00	0.005	4:00	0.001	4:00	0.004	4:00	0.002	4:00	0.003	4:00	0.004	4:00	0.005
4:05	0.004	4:05	0.001	4:05	0.003	4:05	0.002	4:05	0.003	4:05	0.003	4:05	0.004
4:10	0.004	4:10	0.001	4:10	0.003	4:10	0.002	4:10	0.003	4:10	0.003	4:10	0.004
4:15	0.004	4:15	0.001	4:15	0.003	4:15	0.002	4:15	0.003	4:15	0.003	4:15	0.004
4:20	0.004	4:20	0.001	4:20	0.003	4:20	0.002	4:20	0.002	4:20	0.003	4:20	0.004
4:25	0.003	4:25	0.001	4:25	0.002	4:25	0.002	4:25	0.002	4:25	0.003	4:25	0.003
4:30	0.003	4:30	0.001	4:30	0.002	4:30	0.002	4:30	0.002	4:30	0.003	4:30	0.003
4:35	0.003	4:35	0.001	4:35	0.002	4:35	0.002	4:35	0.002	4:35	0.002	4:35	0.003
4:40	0.003	4:40	0.001	4:40	0.002	4:40	0.002	4:40	0.002	4:40	0.002	4:40	0.003
4:45	0.003	4:45	0.001	4:45	0.002	4:45	0.002	4:45	0.002	4:45	0.002	4:45	0.003
4:50	0.003	4:50	0.001	4:50	0.002	4:50	0.002	4:50	0.002	4:50	0.002	4:50	0.003
4:55	0.003	4:55	0.001	4:55	0.002	4:55	0.002	4:55	0.002	4:55	0.002	4:55	0.002
5:00	0.002	5:00	0.001	5:00	0.002	5:00	0.002	5:00	0.002	5:00	0.002	5:00	0.002
5:05	0.002	5:05	0.001	5:05	0.002	5:05	0.001	5:05	0.002	5:05	0.002	5:05	0.002
5:10	0.002	5:10	0.001	5:10	0.002	5:10	0.001	5:10	0.002	5:10	0.002	5:10	0.002
5:15	0.002	5:15	0.001	5:15	0.001	5:15	0.001	5:15	0.002	5:15	0.002	5:15	0.002
5:20	0.002	5:20	0.001	5:20	0.001	5:20	0.001	5:20	0.002	5:20	0.002	5:20	0.002
5:25	0.002	5:25	0.001	5:25	0.001	5:25	0.001	5:25	0.002	5:25	0.002	5:25	0.002
5:30	0.002	5:30	0.001	5:30	0.001	5:30	0.001	5:30	0.002	5:30	0.002	5:30	0.002
5:35	0.002	5:35	0	5:35	0.001	5:35	0.001	5:35	0.002	5:35	0.002	5:35	0.002
5:40	0.002	5:40	0	5:40	0.001	5:40	0.001	5:40	0.002	5:40	0.001	5:40	0.002
5:45	0.002	5:45	0	5:45	0.001	5:45	0.001	5:45	0.002	5:45	0.001	5:45	0.002
5:50	0.002	5:50	0	5:50	0.001	5:50	0.001	5:50	0.002	5:50	0.001	5:50	0.002
5:55	0.002	5:55	0	5:55	0.001	5:55	0.001	5:55	0.002	5:55	0.001	5:55	0.001
6:00	0.002	6:00	0	6:00	0.001	6:00	0.001	6:00	0.002	6:00	0.001	6:00	0.001
6:05	0.002	6:05	0	6:05	0.001	6:05	0.001	6:05	0.002	6:05	0.001	6:05	0.001
6:10	0.002	6:10	0	6:10	0.001	6:10	0.001	6:10	0.002	6:10	0.001	6:10	0.001
6:15	0.002	6:15	0	6:15	0.001	6:15	0.001	6:15	0.002	6:15	0.001	6:15	0.001

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3001W		3002		3003		3004		3005		3006		3012	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
6:20	0.002	6:20	0	6:20	0.001	6:20	0.001	6:20	0.001	6:20	0.001	6:20	0.001
6:25	0.002	6:25	0	6:25	0.001	6:25	0.001	6:25	0.001	6:25	0.001	6:25	0.001
6:30	0.002	6:30	0	6:30	0.001	6:30	0.001	6:30	0.001	6:30	0.001	6:30	0.001
6:35	0.002	6:35	0	6:35	0.001	6:35	0.001	6:35	0.001	6:35	0.001	6:35	0.001
6:40	0.001	6:40	0	6:40	0.001	6:40	0.001	6:40	0.001	6:40	0.001	6:40	0.001
6:45	0.001	6:45	0	6:45	0.001	6:45	0.001	6:45	0.001	6:45	0.001	6:45	0.001
6:50	0.001	6:50	0	6:50	0.001	6:50	0.001	6:50	0.001	6:50	0.001	6:50	0.001
6:55	0.001	6:55	0	6:55	0.001	6:55	0.001	6:55	0.001	6:55	0.001	6:55	0.001
7:00	0.001	7:00	0	7:00	0.001	7:00	0.001	7:00	0.001	7:00	0.001	7:00	0.001
7:05	0.001	7:05	0	7:05	0.001	7:05	0.001	7:05	0.001	7:05	0.001	7:05	0.001
7:10	0.001	7:10	0	7:10	0.001	7:10	0.001	7:10	0.001	7:10	0.001	7:10	0.001
7:15	0.001	7:15	0	7:15	0.001	7:15	0.001	7:15	0.001	7:15	0.001	7:15	0.001
7:20	0.001	7:20	0	7:20	0.001	7:20	0.001	7:20	0.001	7:20	0.001	7:20	0.001
7:25	0.001	7:25	0	7:25	0.001	7:25	0.001	7:25	0.001	7:25	0.001	7:25	0.001
7:30	0.001	7:30	0	7:30	0.001	7:30	0.001	7:30	0.001	7:30	0.001	7:30	0.001
7:35	0.001	7:35	0	7:35	0.001	7:35	0.001	7:35	0.001	7:35	0.001	7:35	0.001
7:40	0.001	7:40	0	7:40	0.001	7:40	0.001	7:40	0.001	7:40	0.001	7:40	0.001
7:45	0.001	7:45	0	7:45	0.001	7:45	0.001	7:45	0.001	7:45	0.001	7:45	0.001
7:50	0.001	7:50	0	7:50	0.001	7:50	0.001	7:50	0.001	7:50	0.001	7:50	0.001
7:55	0.001	7:55	0	7:55	0.001	7:55	0.001	7:55	0.001	7:55	0.001	7:55	0.001
8:00	0.001	8:00	0	8:00	0.001	8:00	0.001	8:00	0.001	8:00	0.001	8:00	0.001
8:05	0.001	8:05	0	8:05	0.001	8:05	0.001	8:05	0.001	8:05	0.001	8:05	0.001
8:10	0.001	8:10	0	8:10	0.001	8:10	0.001	8:10	0.001	8:10	0.001	8:10	0.001
8:15	0.001	8:15	0	8:15	0.001	8:15	0.001	8:15	0.001	8:15	0.001	8:15	0.001
8:20	0.001	8:20	0	8:20	0.001	8:20	0.001	8:20	0.001	8:20	0.001	8:20	0.001
8:25	0.001	8:25	0	8:25	0.001	8:25	0.001	8:25	0.001	8:25	0.001	8:25	0.001
8:30	0.001	8:30	0	8:30	0.001	8:30	0.001	8:30	0.001	8:30	0.001	8:30	0.001
8:35	0.001	8:35	0	8:35	0.001	8:35	0.001	8:35	0.001	8:35	0.001	8:35	0.001
8:40	0.001	8:40	0	8:40	0.001	8:40	0.001	8:40	0.001	8:40	0.001	8:40	0.001
8:45	0.001	8:45	0	8:45	0.001	8:45	0.001	8:45	0.001	8:45	0.001	8:45	0.001
8:50	0.001	8:50	0	8:50	0.001	8:50	0.001	8:50	0.001	8:50	0.001	8:50	0.001
8:55	0.001	8:55	0	8:55	0.001	8:55	0.001	8:55	0.001	8:55	0.001	8:55	0.001
9:00	0.001	9:00	0	9:00	0.001	9:00	0.001	9:00	0.001	9:00	0.001	9:00	0.001
9:05	0.001	9:05	0	9:05	0.001	9:05	0.001	9:05	0.001	9:05	0.001	9:05	0.001
9:10	0.001	9:10	0	9:10	0.001	9:10	0.001	9:10	0.001	9:10	0.001	9:10	0.001
9:15	0.001	9:15	0	9:15	0.001	9:15	0.001	9:15	0.001	9:15	0.001	9:15	0.001
9:20	0.001	9:20	0	9:20	0.001	9:20	0.001	9:20	0.001	9:20	0.001	9:20	0.001
9:25	0.001	9:25	0	9:25	0.001	9:25	0.001	9:25	0.001	9:25	0.001	9:25	0.001
9:30	0.001	9:30	0	9:30	0.001	9:30	0.001	9:30	0.001	9:30	0.001	9:30	0.001
9:35	0.001	9:35	0	9:35	0.001	9:35	0.001	9:35	0.001	9:35	0.001	9:35	0.001
9:40	0.001	9:40	0	9:40	0.001	9:40	0.001	9:40	0.001	9:40	0.001	9:40	0.001
9:45	0.001	9:45	0	9:45	0	9:45	0.001	9:45	0.001	9:45	0.001	9:45	0.001
9:50	0.001	9:50	0	9:50	0	9:50	0.001	9:50	0.001	9:50	0.001	9:50	0.001
9:55	0.001	9:55	0	9:55	0	9:55	0.001	9:55	0.001	9:55	0.001	9:55	0.001
10:00	0.001	10:00	0	10:00	0	10:00	0.001	10:00	0.001	10:00	0.001	10:00	0.001
10:05	0.001	10:05	0	10:05	0	10:05	0.001	10:05	0.001	10:05	0.001	10:05	0.001
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10:15	0.001	10:15	0	10:15	0	10:15	0.001	10:15	0.001	10:15	0.001	10:15	0.001
10:20	0.001	10:20	0	10:20	0	10:20	0.001	10:20	0.001	10:20	0.001	10:20	0.001
10:25	0.001	10:25	0	10:25	0	10:25	0.001	10:25	0.001	10:25	0.001	10:25	0.001
10:30	0.001	10:30	0	10:30	0	10:30	0.001	10:30	0.001	10:30	0.001	10:30	0.001
10:35	0.001	10:35	0	10:35	0	10:35	0.001	10:35	0.001	10:35	0.001	10:35	0.001
10:40	0.001	10:40	0	10:40	0	10:40	0.001	10:40	0.001	10:40	0.001	10:40	0.001
10:45	0.001	10:45	0	10:45	0	10:45	0.001	10:45	0.001	10:45	0.001	10:45	0.001
10:50	0.001	10:50	0	10:50	0	10:50	0.001	10:50	0.001	10:50	0.001	10:50	0.001
10:55	0.001	10:55	0	10:55	0	10:55	0.001	10:55	0.001	10:55	0.001	10:55	0
11:00	0.001	11:00	0	11:00	0	11:00	0.001	11:00	0.001	11:00	0.001	11:00	0
11:05	0.001	11:05	0	11:05	0	11:05	0.001	11:05	0.001	11:05	0.001	11:05	0
11:10	0.001	11:10	0	11:10	0	11:10	0	11:10	0.001	11:10	0.001	11:10	0
11:15	0.001	11:15	0	11:15	0	11:15	0	11:15	0.001	11:15	0.001	11:15	0
11:20	0.001	11:20	0	11:20	0	11:20	0	11:20	0.001	11:20	0.001	11:20	0
11:25	0.001	11:25	0	11:25	0	11:25	0	11:25	0.001	11:25	0.001	11:25	0
11:30	0.001	11:30	0	11:30	0	11:30	0	11:30	0.001	11:30	0.001	11:30	0
11:35	0.001	11:35	0	11:35	0	11:35	0	11:35	0.001	11:35	0.001	11:35	0
11:40	0.001	11:40	0	11:40	0	11:40	0	11:40	0.001	11:40	0.001	11:40	0
11:45	0.001	11:45	0	11:45	0	11:45	0	11:45	0.001	11:45	0.001	11:45	0
11:50	0.001	11:50	0	11:50	0	11:50	0	11:50	0.001	11:50	0.001	11:50	0
11:55	0.001	11:55	0	11:55	0	11:55	0	11:55	0.001	11:55	0.001	11:55	0
12:00	0.001	12:00	0	12:00	0	12:00	0	12:00	0.001	12:00	0.001	12:00	0
12:05	0.001	12:05	0	12:05	0	12:05	0	12:05	0.001	12:05	0	12:05	0
12:10	0.001	12:10	0	12:10	0	12:10	0	12:10	0.001	12:10	0	12:10	0
12:15	0.001	12:15	0	12:15	0	12:15	0	12:15	0.001	12:15	0	12:15	0
12:20	0.001	12:20	0	12:20	0	12:20	0	12:20	0.001	12:20	0	12:20	0
12:25	0.001	12:25	0	12:25	0	12:25	0	12:25	0.001	12:25	0	12:25	0
12:30	0.001	12:30	0	12:30	0	12:30	0	12:30	0.001	12:30	0	12:30	0
12:35	0.001	12:35	0	12:35	0	12:35	0	12:35	0.001	12:35	0	12:35	0

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3001W		3002		3003		3004		3005		3006		3012	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
12:40	0.001	12:40	0	12:40	0	12:40	0	12:40	0.001	12:40	0	12:40	0
12:45	0.001	12:45	0	12:45	0	12:45	0	12:45	0.001	12:45	0	12:45	0
12:50	0.001	12:50	0	12:50	0	12:50	0	12:50	0.001	12:50	0	12:50	0
12:55	0.001	12:55	0	12:55	0	12:55	0	12:55	0.001	12:55	0	12:55	0
13:00	0.001	13:00	0	13:00	0	13:00	0	13:00	0.001	13:00	0	13:00	0
13:05	0.001	13:05	0	13:05	0	13:05	0	13:05	0.001	13:05	0	13:05	0
13:10	0.001	13:10	0	13:10	0	13:10	0	13:10	0.001	13:10	0	13:10	0
13:15	0.001	13:15	0	13:15	0	13:15	0	13:15	0.001	13:15	0	13:15	0
13:20	0.001	13:20	0	13:20	0	13:20	0	13:20	0.001	13:20	0	13:20	0
13:25	0.001	13:25	0	13:25	0	13:25	0	13:25	0.001	13:25	0	13:25	0
13:30	0.001	13:30	0	13:30	0	13:30	0	13:30	0.001	13:30	0	13:30	0
13:35	0.001	13:35	0	13:35	0	13:35	0	13:35	0.001	13:35	0	13:35	0
13:40	0.001	13:40	0	13:40	0	13:40	0	13:40	0.001	13:40	0	13:40	0
13:45	0.001	13:45	0	13:45	0	13:45	0	13:45	0.001	13:45	0	13:45	0
13:50	0.001	13:50	0	13:50	0	13:50	0	13:50	0.001	13:50	0	13:50	0
13:55	0.001	13:55	0	13:55	0	13:55	0	13:55	0.001	13:55	0	13:55	0
14:00	0.001	14:00	0	14:00	0	14:00	0	14:00	0.001	14:00	0	14:00	0
14:05	0.001	14:05	0	14:05	0	14:05	0	14:05	0.001	14:05	0	14:05	0
14:10	0.001	14:10	0	14:10	0	14:10	0	14:10	0.001	14:10	0	14:10	0
14:15	0.001	14:15	0	14:15	0	14:15	0	14:15	0.001	14:15	0	14:15	0
14:20	0.001	14:20	0	14:20	0	14:20	0	14:20	0.001	14:20	0	14:20	0
14:25	0.001	14:25	0	14:25	0	14:25	0	14:25	0.001	14:25	0	14:25	0
14:30	0.001	14:30	0	14:30	0	14:30	0	14:30	0.001	14:30	0	14:30	0
14:35	0.001	14:35	0	14:35	0	14:35	0	14:35	0.001	14:35	0	14:35	0
14:40	0.001	14:40	0	14:40	0	14:40	0	14:40	0.001	14:40	0	14:40	0
14:45	0.001	14:45	0	14:45	0	14:45	0	14:45	0.001	14:45	0	14:45	0
14:50	0.001	14:50	0	14:50	0	14:50	0	14:50	0.001	14:50	0	14:50	0
14:55	0.001	14:55	0	14:55	0	14:55	0	14:55	0.001	14:55	0	14:55	0
15:00	0.001	15:00	0	15:00	0	15:00	0	15:00	0.001	15:00	0	15:00	0
15:05	0.001	15:05	0	15:05	0	15:05	0	15:05	0.001	15:05	0	15:05	0
15:10	0.001	15:10	0	15:10	0	15:10	0	15:10	0.001	15:10	0	15:10	0
15:15	0.001	15:15	0	15:15	0	15:15	0	15:15	0.001	15:15	0	15:15	0
15:20	0.001	15:20	0	15:20	0	15:20	0	15:20	0.001	15:20	0	15:20	0
15:25	0.001	15:25	0	15:25	0	15:25	0	15:25	0.001	15:25	0	15:25	0
15:30	0.001	15:30	0	15:30	0	15:30	0	15:30	0.001	15:30	0	15:30	0
15:35	0.001	15:35	0	15:35	0	15:35	0	15:35	0.001	15:35	0	15:35	0
15:40	0	15:40	0	15:40	0	15:40	0	15:40	0.001	15:40	0	15:40	0
15:45	0	15:45	0	15:45	0	15:45	0	15:45	0.001	15:45	0	15:45	0
15:50	0	15:50	0	15:50	0	15:50	0	15:50	0.001	15:50	0	15:50	0
15:55	0	15:55	0	15:55	0	15:55	0	15:55	0.001	15:55	0	15:55	0
16:00	0	16:00	0	16:00	0	16:00	0	16:00	0.001	16:00	0	16:00	0
16:05	0	16:05	0	16:05	0	16:05	0	16:05	0.001	16:05	0	16:05	0
16:10	0	16:10	0	16:10	0	16:10	0	16:10	0.001	16:10	0	16:10	0
16:15	0	16:15	0	16:15	0	16:15	0	16:15	0.001	16:15	0	16:15	0
16:20	0	16:20	0	16:20	0	16:20	0	16:20	0.001	16:20	0	16:20	0
16:25	0	16:25	0	16:25	0	16:25	0	16:25	0.001	16:25	0	16:25	0
16:30	0	16:30	0	16:30	0	16:30	0	16:30	0.001	16:30	0	16:30	0
16:35	0	16:35	0	16:35	0	16:35	0	16:35	0	16:35	0	16:35	0
16:40	0	16:40	0	16:40	0	16:40	0	16:40	0	16:40	0	16:40	0
16:45	0	16:45	0	16:45	0	16:45	0	16:45	0	16:45	0	16:45	0
16:50	0	16:50	0	16:50	0	16:50	0	16:50	0	16:50	0	16:50	0
16:55	0	16:55	0	16:55	0	16:55	0	16:55	0	16:55	0	16:55	0
17:00	0	17:00	0	17:00	0	17:00	0	17:00	0	17:00	0	17:00	0
17:05	0	17:05	0	17:05	0	17:05	0	17:05	0	17:05	0	17:05	0
17:10	0	17:10	0	17:10	0	17:10	0	17:10	0	17:10	0	17:10	0
17:15	0	17:15	0	17:15	0	17:15	0	17:15	0	17:15	0	17:15	0
17:20	0	17:20	0	17:20	0	17:20	0	17:20	0	17:20	0	17:20	0
17:25	0	17:25	0	17:25	0	17:25	0	17:25	0	17:25	0	17:25	0
17:30	0	17:30	0	17:30	0	17:30	0	17:30	0	17:30	0	17:30	0
17:35	0	17:35	0	17:35	0	17:35	0	17:35	0	17:35	0	17:35	0
17:40	0	17:40	0	17:40	0	17:40	0	17:40	0	17:40	0	17:40	0
17:45	0	17:45	0	17:45	0	17:45	0	17:45	0	17:45	0	17:45	0
17:50	0	17:50	0	17:50	0	17:50	0	17:50	0	17:50	0	17:50	0
17:55	0	17:55	0	17:55	0	17:55	0	17:55	0	17:55	0	17:55	0
18:00	0	18:00	0	18:00	0	18:00	0	18:00	0	18:00	0	18:00	0
18:05	0	18:05	0	18:05	0	18:05	0	18:05	0	18:05	0	18:05	0
18:10	0	18:10	0	18:10	0	18:10	0	18:10	0	18:10	0	18:10	0
18:15	0	18:15	0	18:15	0	18:15	0	18:15	0	18:15	0	18:15	0
18:20	0	18:20	0	18:20	0	18:20	0	18:20	0	18:20	0	18:20	0
18:25	0	18:25	0	18:25	0	18:25	0	18:25	0	18:25	0	18:25	0
18:30	0	18:30	0	18:30	0	18:30	0	18:30	0	18:30	0	18:30	0
18:35	0	18:35	0	18:35	0	18:35	0	18:35	0	18:35	0	18:35	0
18:40	0	18:40	0	18:40	0	18:40	0	18:40	0	18:40	0	18:40	0
18:45	0	18:45	0	18:45	0	18:45	0	18:45	0	18:45	0	18:45	0
18:50	0	18:50	0	18:50	0	18:50	0	18:50	0	18:50	0	18:50	0
18:55	0	18:55	0	18:55	0	18:55	0	18:55	0	18:55	0	18:55	0

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3001W		3002		3003		3004		3005		3006		3012	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
19:00	0	19:00	0	19:00	0	19:00	0	19:00	0	19:00	0	19:00	0
19:05	0	19:05	0	19:05	0	19:05	0	19:05	0	19:05	0	19:05	0
19:10	0	19:10	0	19:10	0	19:10	0	19:10	0	19:10	0	19:10	0
19:15	0	19:15	0	19:15	0	19:15	0	19:15	0	19:15	0	19:15	0
19:20	0	19:20	0	19:20	0	19:20	0	19:20	0	19:20	0	19:20	0
19:25	0	19:25	0	19:25	0	19:25	0	19:25	0	19:25	0	19:25	0
19:30	0	19:30	0	19:30	0	19:30	0	19:30	0	19:30	0	19:30	0
19:35	0	19:35	0	19:35	0	19:35	0	19:35	0	19:35	0	19:35	0
19:40	0	19:40	0	19:40	0	19:40	0	19:40	0	19:40	0	19:40	0
19:45	0	19:45	0	19:45	0	19:45	0	19:45	0	19:45	0	19:45	0
19:50	0	19:50	0	19:50	0	19:50	0	19:50	0	19:50	0	19:50	0
19:55	0	19:55	0	19:55	0	19:55	0	19:55	0	19:55	0	19:55	0
20:00	0	20:00	0	20:00	0	20:00	0	20:00	0	20:00	0	20:00	0
20:05	0	20:05	0	20:05	0	20:05	0	20:05	0	20:05	0	20:05	0
20:10	0	20:10	0	20:10	0	20:10	0	20:10	0	20:10	0	20:10	0
20:15	0	20:15	0	20:15	0	20:15	0	20:15	0	20:15	0	20:15	0
20:20	0	20:20	0	20:20	0	20:20	0	20:20	0	20:20	0	20:20	0
20:25	0	20:25	0	20:25	0	20:25	0	20:25	0	20:25	0	20:25	0
20:30	0	20:30	0	20:30	0	20:30	0	20:30	0	20:30	0	20:30	0
20:35	0	20:35	0	20:35	0	20:35	0	20:35	0	20:35	0	20:35	0
20:40	0	20:40	0	20:40	0	20:40	0	20:40	0	20:40	0	20:40	0
20:45	0	20:45	0	20:45	0	20:45	0	20:45	0	20:45	0	20:45	0
20:50	0	20:50	0	20:50	0	20:50	0	20:50	0	20:50	0	20:50	0
20:55	0	20:55	0	20:55	0	20:55	0	20:55	0	20:55	0	20:55	0
21:00	0	21:00	0	21:00	0	21:00	0	21:00	0	21:00	0	21:00	0
21:05	0	21:05	0	21:05	0	21:05	0	21:05	0	21:05	0	21:05	0
21:10	0	21:10	0	21:10	0	21:10	0	21:10	0	21:10	0	21:10	0
21:15	0	21:15	0	21:15	0	21:15	0	21:15	0	21:15	0	21:15	0
21:20	0	21:20	0	21:20	0	21:20	0	21:20	0	21:20	0	21:20	0
21:25	0	21:25	0	21:25	0	21:25	0	21:25	0	21:25	0	21:25	0
21:30	0	21:30	0	21:30	0	21:30	0	21:30	0	21:30	0	21:30	0
21:35	0	21:35	0	21:35	0	21:35	0	21:35	0	21:35	0	21:35	0
21:40	0	21:40	0	21:40	0	21:40	0	21:40	0	21:40	0	21:40	0
21:45	0	21:45	0	21:45	0	21:45	0	21:45	0	21:45	0	21:45	0
21:50	0	21:50	0	21:50	0	21:50	0	21:50	0	21:50	0	21:50	0
21:55	0	21:55	0	21:55	0	21:55	0	21:55	0	21:55	0	21:55	0
22:00	0	22:00	0	22:00	0	22:00	0	22:00	0	22:00	0	22:00	0
22:05	0	22:05	0	22:05	0	22:05	0	22:05	0	22:05	0	22:05	0
22:10	0	22:10	0	22:10	0	22:10	0	22:10	0	22:10	0	22:10	0
22:15	0	22:15	0	22:15	0	22:15	0	22:15	0	22:15	0	22:15	0
22:20	0	22:20	0	22:20	0	22:20	0	22:20	0	22:20	0	22:20	0
22:25	0	22:25	0	22:25	0	22:25	0	22:25	0	22:25	0	22:25	0
22:30	0	22:30	0	22:30	0	22:30	0	22:30	0	22:30	0	22:30	0
22:35	0	22:35	0	22:35	0	22:35	0	22:35	0	22:35	0	22:35	0
22:40	0	22:40	0	22:40	0	22:40	0	22:40	0	22:40	0	22:40	0
22:45	0	22:45	0	22:45	0	22:45	0	22:45	0	22:45	0	22:45	0
22:50	0	22:50	0	22:50	0	22:50	0	22:50	0	22:50	0	22:50	0
22:55	0	22:55	0	22:55	0	22:55	0	22:55	0	22:55	0	22:55	0
23:00	0	23:00	0	23:00	0	23:00	0	23:00	0	23:00	0	23:00	0
23:05	0	23:05	0	23:05	0	23:05	0	23:05	0	23:05	0	23:05	0
23:10	0	23:10	0	23:10	0	23:10	0	23:10	0	23:10	0	23:10	0
23:15	0	23:15	0	23:15	0	23:15	0	23:15	0	23:15	0	23:15	0
23:20	0	23:20	0	23:20	0	23:20	0	23:20	0	23:20	0	23:20	0
23:25	0	23:25	0	23:25	0	23:25	0	23:25	0	23:25	0	23:25	0
23:30	0	23:30	0	23:30	0	23:30	0	23:30	0	23:30	0	23:30	0
23:35	0	23:35	0	23:35	0	23:35	0	23:35	0	23:35	0	23:35	0
23:40	0	23:40	0	23:40	0	23:40	0	23:40	0	23:40	0	23:40	0
23:45	0	23:45	0	23:45	0	23:45	0	23:45	0	23:45	0	23:45	0
23:50	0	23:50	0	23:50	0	23:50	0	23:50	0	23:50	0	23:50	0
23:55	0	23:55	0	23:55	0	23:55	0	23:55	0	23:55	0	23:55	0

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3011		3010		3009		3008		3014		3015 (Combined)	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
0:00	0	0:00	0	0:00	0	0:00	0	0:00	0	0:00	0
0:05	0	0:05	0	0:05	0	0:05	0	0:05	0	0:05	0
0:10	0	0:10	0	0:10	0	0:10	0	0:10	0	0:10	0
0:15	0	0:15	0	0:15	0	0:15	0	0:15	0	0:15	0
0:20	0	0:20	0	0:20	0	0:20	0	0:20	0	0:20	0
0:25	0	0:25	0.001	0:25	0	0:25	0	0:25	0.001	0:25	0
0:30	0.001	0:30	0.002	0:30	0.002	0:30	0.001	0:30	0.002	0:30	0.001
0:35	0.002	0:35	0.004	0:35	0.004	0:35	0.001	0:35	0.006	0:35	0.002
0:40	0.004	0:40	0.008	0:40	0.005	0:40	0.001	0:40	0.012	0:40	0.003
0:45	0.007	0:45	0.013	0:45	0.011	0:45	0.003	0:45	0.021	0:45	0.006
0:50	0.02	0:50	0.028	0:50	0.018	0:50	0	0:50	0.03	0:50	0.012
0:55	0.021	0:55	0.042	0:55	0.052	0:55	0.014	0:55	0.042	0:55	0.025
1:00	0.021	1:00	0.042	1:00	0.064	1:00	0.021	1:00	0.06	1:00	0.042
1:05	0.021	1:05	0.042	1:05	0.064	1:05	0.021	1:05	0.054	1:05	0.042
1:10	0.017	1:10	0.042	1:10	0.064	1:10	0.021	1:10	0.051	1:10	0.042
1:15	0.012	1:15	0.042	1:15	0.064	1:15	0.021	1:15	0.049	1:15	0.042
1:20	0.009	1:20	0.039	1:20	0.063	1:20	0.021	1:20	0.048	1:20	0.042
1:25	0.007	1:25	0.032	1:25	0.062	1:25	0.021	1:25	0.047	1:25	0.041
1:30	0.006	1:30	0.025	1:30	0.059	1:30	0.019	1:30	0.046	1:30	0.039
1:35	0.005	1:35	0.02	1:35	0.051	1:35	0.016	1:35	0.044	1:35	0.031
1:40	0.004	1:40	0.016	1:40	0.045	1:40	0.014	1:40	0.039	1:40	0.025
1:45	0.004	1:45	0.014	1:45	0.04	1:45	0.012	1:45	0.034	1:45	0.02
1:50	0.003	1:50	0.012	1:50	0.036	1:50	0.01	1:50	0.03	1:50	0.018
1:55	0.003	1:55	0.01	1:55	0.033	1:55	0.009	1:55	0.026	1:55	0.016
2:00	0.003	2:00	0.009	2:00	0.029	2:00	0.007	2:00	0.023	2:00	0.013
2:05	0.002	2:05	0.008	2:05	0.026	2:05	0.006	2:05	0.021	2:05	0.011
2:10	0.002	2:10	0.007	2:10	0.024	2:10	0.006	2:10	0.019	2:10	0.01
2:15	0.002	2:15	0.006	2:15	0.022	2:15	0.005	2:15	0.017	2:15	0.01
2:20	0.002	2:20	0.006	2:20	0.019	2:20	0.004	2:20	0.016	2:20	0.008
2:25	0.002	2:25	0.006	2:25	0.018	2:25	0.004	2:25	0.014	2:25	0.007
2:30	0.002	2:30	0.005	2:30	0.016	2:30	0.003	2:30	0.013	2:30	0.007
2:35	0.002	2:35	0.005	2:35	0.015	2:35	0.003	2:35	0.012	2:35	0.007
2:40	0.002	2:40	0.005	2:40	0.014	2:40	0.003	2:40	0.011	2:40	0.006
2:45	0.002	2:45	0.004	2:45	0.013	2:45	0.003	2:45	0.011	2:45	0.006
2:50	0.001	2:50	0.004	2:50	0.012	2:50	0.002	2:50	0.01	2:50	0.005
2:55	0.001	2:55	0.004	2:55	0.011	2:55	0.002	2:55	0.009	2:55	0.004
3:00	0.001	3:00	0.004	3:00	0.011	3:00	0.003	3:00	0.009	3:00	0.004
3:05	0.001	3:05	0.004	3:05	0.01	3:05	0.003	3:05	0.009	3:05	0.005
3:10	0.001	3:10	0.004	3:10	0.009	3:10	0.002	3:10	0.009	3:10	0.004
3:15	0.001	3:15	0.003	3:15	0.009	3:15	0.002	3:15	0.008	3:15	0.004
3:20	0.001	3:20	0.003	3:20	0.008	3:20	0.002	3:20	0.007	3:20	0.004
3:25	0.001	3:25	0.002	3:25	0.007	3:25	0.002	3:25	0.006	3:25	0.003
3:30	0.001	3:30	0.002	3:30	0.007	3:30	0.002	3:30	0.005	3:30	0.003
3:35	0.001	3:35	0.002	3:35	0.006	3:35	0.002	3:35	0.005	3:35	0.003
3:40	0.001	3:40	0.002	3:40	0.005	3:40	0.001	3:40	0.005	3:40	0.003
3:45	0.001	3:45	0.002	3:45	0.005	3:45	0.001	3:45	0.004	3:45	0.003
3:50	0.001	3:50	0.001	3:50	0.005	3:50	0.001	3:50	0.004	3:50	0.003
3:55	0.001	3:55	0.001	3:55	0.004	3:55	0.001	3:55	0.004	3:55	0.002
4:00	0.001	4:00	0.001	4:00	0.004	4:00	0.001	4:00	0.004	4:00	0.002
4:05	0.001	4:05	0.001	4:05	0.004	4:05	0.001	4:05	0.003	4:05	0.002
4:10	0.001	4:10	0.001	4:10	0.003	4:10	0.001	4:10	0.003	4:10	0.002
4:15	0.001	4:15	0.001	4:15	0.003	4:15	0.001	4:15	0.003	4:15	0.002
4:20	0.001	4:20	0.001	4:20	0.003	4:20	0.001	4:20	0.003	4:20	0.002
4:25	0.001	4:25	0.001	4:25	0.003	4:25	0.001	4:25	0.003	4:25	0.002
4:30	0	4:30	0.001	4:30	0.003	4:30	0.001	4:30	0.003	4:30	0.002
4:35	0	4:35	0.001	4:35	0.002	4:35	0.001	4:35	0.003	4:35	0.002
4:40	0	4:40	0.001	4:40	0.002	4:40	0.001	4:40	0.003	4:40	0.002
4:45	0	4:45	0.001	4:45	0.002	4:45	0.001	4:45	0.003	4:45	0.002
4:50	0	4:50	0.001	4:50	0.002	4:50	0.001	4:50	0.002	4:50	0.002
4:55	0	4:55	0.001	4:55	0.002	4:55	0.001	4:55	0.002	4:55	0.002
5:00	0	5:00	0.001	5:00	0.002	5:00	0.001	5:00	0.002	5:00	0.002
5:05	0	5:05	0.001	5:05	0.002	5:05	0.001	5:05	0.002	5:05	0.002
5:10	0	5:10	0.001	5:10	0.002	5:10	0.001	5:10	0.002	5:10	0.002
5:15	0	5:15	0.001	5:15	0.002	5:15	0.001	5:15	0.002	5:15	0.002
5:20	0	5:20	0.001	5:20	0.002	5:20	0.001	5:20	0.002	5:20	0.002
5:25	0	5:25	0.001	5:25	0.002	5:25	0.001	5:25	0.002	5:25	0.002
5:30	0	5:30	0.001	5:30	0.002	5:30	0.001	5:30	0.002	5:30	0.002
5:35	0	5:35	0.001	5:35	0.001	5:35	0.001	5:35	0.002	5:35	0.002
5:40	0	5:40	0.001	5:40	0.001	5:40	0.001	5:40	0.002	5:40	0.002
5:45	0	5:45	0.001	5:45	0.001	5:45	0.001	5:45	0.002	5:45	0.002
5:50	0	5:50	0.001	5:50	0.001	5:50	0.001	5:50	0.002	5:50	0.002
5:55	0	5:55	0	5:55	0.001	5:55	0.001	5:55	0.002	5:55	0.001
6:00	0	6:00	0	6:00	0.001	6:00	0.001	6:00	0.002	6:00	0.001
6:05	0	6:05	0	6:05	0.001	6:05	0.001	6:05	0.002	6:05	0.001
6:10	0	6:10	0	6:10	0.001	6:10	0.001	6:10	0.002	6:10	0.001
6:15	0	6:15	0	6:15	0.001	6:15	0.001	6:15	0.002	6:15	0

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3011		3010		3009		3008		3014		3015 (Combined)	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
6:20	0	6:20	0	6:20	0.001	6:20	0.001	6:20	0.002	6:20	0
6:25	0	6:25	0	6:25	0.001	6:25	0.001	6:25	0.002	6:25	0
6:30	0	6:30	0	6:30	0.001	6:30	0.001	6:30	0.002	6:30	0
6:35	0	6:35	0	6:35	0.001	6:35	0.001	6:35	0.002	6:35	0
6:40	0	6:40	0	6:40	0.001	6:40	0.001	6:40	0.002	6:40	0
6:45	0	6:45	0	6:45	0.001	6:45	0.001	6:45	0.001	6:45	0
6:50	0	6:50	0	6:50	0.001	6:50	0.001	6:50	0.001	6:50	0
6:55	0	6:55	0	6:55	0.001	6:55	0.001	6:55	0.001	6:55	0
7:00	0	7:00	0	7:00	0.001	7:00	0	7:00	0.001	7:00	0
7:05	0	7:05	0	7:05	0.001	7:05	0	7:05	0.001	7:05	0
7:10	0	7:10	0	7:10	0.001	7:10	0	7:10	0.001	7:10	0
7:15	0	7:15	0	7:15	0.001	7:15	0	7:15	0.001	7:15	0
7:20	0	7:20	0	7:20	0.001	7:20	0	7:20	0.001	7:20	0
7:25	0	7:25	0	7:25	0.001	7:25	0	7:25	0.001	7:25	0
7:30	0	7:30	0	7:30	0.001	7:30	0	7:30	0.001	7:30	0
7:35	0	7:35	0	7:35	0.001	7:35	0	7:35	0.001	7:35	0
7:40	0	7:40	0	7:40	0.001	7:40	0	7:40	0.001	7:40	0
7:45	0	7:45	0	7:45	0.001	7:45	0	7:45	0.001	7:45	0
7:50	0	7:50	0	7:50	0.001	7:50	0	7:50	0.001	7:50	0
7:55	0	7:55	0	7:55	0.001	7:55	0	7:55	0.001	7:55	0
8:00	0	8:00	0	8:00	0.001	8:00	0	8:00	0.001	8:00	0
8:05	0	8:05	0	8:05	0.001	8:05	0	8:05	0.001	8:05	0
8:10	0	8:10	0	8:10	0.001	8:10	0	8:10	0.001	8:10	0
8:15	0	8:15	0	8:15	0.001	8:15	0	8:15	0.001	8:15	0
8:20	0	8:20	0	8:20	0.001	8:20	0	8:20	0.001	8:20	0
8:25	0	8:25	0	8:25	0.001	8:25	0	8:25	0.001	8:25	0
8:30	0	8:30	0	8:30	0.001	8:30	0	8:30	0.001	8:30	0
8:35	0	8:35	0	8:35	0.001	8:35	0	8:35	0.001	8:35	0
8:40	0	8:40	0	8:40	0.001	8:40	0	8:40	0.001	8:40	0
8:45	0	8:45	0	8:45	0.001	8:45	0	8:45	0.001	8:45	0
8:50	0	8:50	0	8:50	0.001	8:50	0	8:50	0.001	8:50	0
8:55	0	8:55	0	8:55	0.001	8:55	0	8:55	0.001	8:55	0
9:00	0	9:00	0	9:00	0.001	9:00	0	9:00	0.001	9:00	0
9:05	0	9:05	0	9:05	0.001	9:05	0	9:05	0.001	9:05	0
9:10	0	9:10	0	9:10	0.001	9:10	0	9:10	0.001	9:10	0
9:15	0	9:15	0	9:15	0.001	9:15	0	9:15	0.001	9:15	0
9:20	0	9:20	0	9:20	0.001	9:20	0	9:20	0.001	9:20	0
9:25	0	9:25	0	9:25	0.001	9:25	0	9:25	0.001	9:25	0
9:30	0	9:30	0	9:30	0.001	9:30	0	9:30	0.001	9:30	0
9:35	0	9:35	0	9:35	0.001	9:35	0	9:35	0.001	9:35	0
9:40	0	9:40	0	9:40	0.001	9:40	0	9:40	0.001	9:40	0
9:45	0	9:45	0	9:45	0.001	9:45	0	9:45	0.001	9:45	0
9:50	0	9:50	0	9:50	0.001	9:50	0	9:50	0.001	9:50	0
9:55	0	9:55	0	9:55	0.001	9:55	0	9:55	0.001	9:55	0
10:00	0	10:00	0	10:00	0.001	10:00	0	10:00	0.001	10:00	0
10:05	0	10:05	0	10:05	0.001	10:05	0	10:05	0.001	10:05	0
10:10	0	10:10	0	10:10	0.001	10:10	0	10:10	0.001	10:10	0
10:15	0	10:15	0	10:15	0.001	10:15	0	10:15	0.001	10:15	0
10:20	0	10:20	0	10:20	0.001	10:20	0	10:20	0.001	10:20	0
10:25	0	10:25	0	10:25	0.001	10:25	0	10:25	0.001	10:25	0
10:30	0	10:30	0	10:30	0.001	10:30	0	10:30	0.001	10:30	0
10:35	0	10:35	0	10:35	0.001	10:35	0	10:35	0.001	10:35	0
10:40	0	10:40	0	10:40	0.001	10:40	0	10:40	0.001	10:40	0
10:45	0	10:45	0	10:45	0.001	10:45	0	10:45	0.001	10:45	0
10:50	0	10:50	0	10:50	0.001	10:50	0	10:50	0.001	10:50	0
10:55	0	10:55	0	10:55	0.001	10:55	0	10:55	0.001	10:55	0
11:00	0	11:00	0	11:00	0.001	11:00	0	11:00	0.001	11:00	0
11:05	0	11:05	0	11:05	0.001	11:05	0	11:05	0.001	11:05	0
11:10	0	11:10	0	11:10	0.001	11:10	0	11:10	0.001	11:10	0
11:15	0	11:15	0	11:15	0	11:15	0	11:15	0.001	11:15	0
11:20	0	11:20	0	11:20	0	11:20	0	11:20	0.001	11:20	0
11:25	0	11:25	0	11:25	0	11:25	0	11:25	0.001	11:25	0
11:30	0	11:30	0	11:30	0	11:30	0	11:30	0.001	11:30	0
11:35	0	11:35	0	11:35	0	11:35	0	11:35	0.001	11:35	0
11:40	0	11:40	0	11:40	0	11:40	0	11:40	0.001	11:40	0
11:45	0	11:45	0	11:45	0	11:45	0	11:45	0.001	11:45	0
11:50	0	11:50	0	11:50	0	11:50	0	11:50	0.001	11:50	0
11:55	0	11:55	0	11:55	0	11:55	0	11:55	0.001	11:55	0
12:00	0	12:00	0	12:00	0	12:00	0	12:00	0.001	12:00	0
12:05	0	12:05	0	12:05	0	12:05	0	12:05	0.001	12:05	0
12:10	0	12:10	0	12:10	0	12:10	0	12:10	0.001	12:10	0
12:15	0	12:15	0	12:15	0	12:15	0	12:15	0.001	12:15	0
12:20	0	12:20	0	12:20	0	12:20	0	12:20	0.001	12:20	0
12:25	0	12:25	0	12:25	0	12:25	0	12:25	0.001	12:25	0
12:30	0	12:30	0	12:30	0	12:30	0	12:30	0.001	12:30	0
12:35	0	12:35	0	12:35	0	12:35	0	12:35	0.001	12:35	0

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3011		3010		3009		3008		3014		3015 (Combined)	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
12:40	0	12:40	0	12:40	0	12:40	0	12:40	0.001	12:40	0
12:45	0	12:45	0	12:45	0	12:45	0	12:45	0.001	12:45	0
12:50	0	12:50	0	12:50	0	12:50	0	12:50	0.001	12:50	0
12:55	0	12:55	0	12:55	0	12:55	0	12:55	0.001	12:55	0
13:00	0	13:00	0	13:00	0	13:00	0	13:00	0.001	13:00	0
13:05	0	13:05	0	13:05	0	13:05	0	13:05	0.001	13:05	0
13:10	0	13:10	0	13:10	0	13:10	0	13:10	0.001	13:10	0
13:15	0	13:15	0	13:15	0	13:15	0	13:15	0.001	13:15	0
13:20	0	13:20	0	13:20	0	13:20	0	13:20	0.001	13:20	0
13:25	0	13:25	0	13:25	0	13:25	0	13:25	0.001	13:25	0
13:30	0	13:30	0	13:30	0	13:30	0	13:30	0.001	13:30	0
13:35	0	13:35	0	13:35	0	13:35	0	13:35	0.001	13:35	0
13:40	0	13:40	0	13:40	0	13:40	0	13:40	0.001	13:40	0
13:45	0	13:45	0	13:45	0	13:45	0	13:45	0.001	13:45	0
13:50	0	13:50	0	13:50	0	13:50	0	13:50	0.001	13:50	0
13:55	0	13:55	0	13:55	0	13:55	0	13:55	0.001	13:55	0
14:00	0	14:00	0	14:00	0	14:00	0	14:00	0.001	14:00	0
14:05	0	14:05	0	14:05	0	14:05	0	14:05	0.001	14:05	0
14:10	0	14:10	0	14:10	0	14:10	0	14:10	0.001	14:10	0
14:15	0	14:15	0	14:15	0	14:15	0	14:15	0.001	14:15	0
14:20	0	14:20	0	14:20	0	14:20	0	14:20	0.001	14:20	0
14:25	0	14:25	0	14:25	0	14:25	0	14:25	0.001	14:25	0
14:30	0	14:30	0	14:30	0	14:30	0	14:30	0.001	14:30	0
14:35	0	14:35	0	14:35	0	14:35	0	14:35	0.001	14:35	0
14:40	0	14:40	0	14:40	0	14:40	0	14:40	0.001	14:40	0
14:45	0	14:45	0	14:45	0	14:45	0	14:45	0.001	14:45	0
14:50	0	14:50	0	14:50	0	14:50	0	14:50	0.001	14:50	0
14:55	0	14:55	0	14:55	0	14:55	0	14:55	0.001	14:55	0
15:00	0	15:00	0	15:00	0	15:00	0	15:00	0.001	15:00	0
15:05	0	15:05	0	15:05	0	15:05	0	15:05	0.001	15:05	0
15:10	0	15:10	0	15:10	0	15:10	0	15:10	0.001	15:10	0
15:15	0	15:15	0	15:15	0	15:15	0	15:15	0.001	15:15	0
15:20	0	15:20	0	15:20	0	15:20	0	15:20	0.001	15:20	0
15:25	0	15:25	0	15:25	0	15:25	0	15:25	0.001	15:25	0
15:30	0	15:30	0	15:30	0	15:30	0	15:30	0.001	15:30	0
15:35	0	15:35	0	15:35	0	15:35	0	15:35	0.001	15:35	0
15:40	0	15:40	0	15:40	0	15:40	0	15:40	0.001	15:40	0
15:45	0	15:45	0	15:45	0	15:45	0	15:45	0.001	15:45	0
15:50	0	15:50	0	15:50	0	15:50	0	15:50	0.001	15:50	0
15:55	0	15:55	0	15:55	0	15:55	0	15:55	0.001	15:55	0
16:00	0	16:00	0	16:00	0	16:00	0	16:00	0.001	16:00	0
16:05	0	16:05	0	16:05	0	16:05	0	16:05	0.001	16:05	0
16:10	0	16:10	0	16:10	0	16:10	0	16:10	0.001	16:10	0
16:15	0	16:15	0	16:15	0	16:15	0	16:15	0.001	16:15	0
16:20	0	16:20	0	16:20	0	16:20	0	16:20	0.001	16:20	0
16:25	0	16:25	0	16:25	0	16:25	0	16:25	0.001	16:25	0
16:30	0	16:30	0	16:30	0	16:30	0	16:30	0.001	16:30	0
16:35	0	16:35	0	16:35	0	16:35	0	16:35	0.001	16:35	0
16:40	0	16:40	0	16:40	0	16:40	0	16:40	0.001	16:40	0
16:45	0	16:45	0	16:45	0	16:45	0	16:45	0.001	16:45	0
16:50	0	16:50	0	16:50	0	16:50	0	16:50	0.001	16:50	0
16:55	0	16:55	0	16:55	0	16:55	0	16:55	0	16:55	0
17:00	0	17:00	0	17:00	0	17:00	0	17:00	0	17:00	0
17:05	0	17:05	0	17:05	0	17:05	0	17:05	0	17:05	0
17:10	0	17:10	0	17:10	0	17:10	0	17:10	0	17:10	0
17:15	0	17:15	0	17:15	0	17:15	0	17:15	0	17:15	0
17:20	0	17:20	0	17:20	0	17:20	0	17:20	0	17:20	0
17:25	0	17:25	0	17:25	0	17:25	0	17:25	0	17:25	0
17:30	0	17:30	0	17:30	0	17:30	0	17:30	0	17:30	0
17:35	0	17:35	0	17:35	0	17:35	0	17:35	0	17:35	0
17:40	0	17:40	0	17:40	0	17:40	0	17:40	0	17:40	0
17:45	0	17:45	0	17:45	0	17:45	0	17:45	0	17:45	0
17:50	0	17:50	0	17:50	0	17:50	0	17:50	0	17:50	0
17:55	0	17:55	0	17:55	0	17:55	0	17:55	0	17:55	0
18:00	0	18:00	0	18:00	0	18:00	0	18:00	0	18:00	0
18:05	0	18:05	0	18:05	0	18:05	0	18:05	0	18:05	0
18:10	0	18:10	0	18:10	0	18:10	0	18:10	0	18:10	0
18:15	0	18:15	0	18:15	0	18:15	0	18:15	0	18:15	0
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18:25	0	18:25	0	18:25	0	18:25	0	18:25	0	18:25	0
18:30	0	18:30	0	18:30	0	18:30	0	18:30	0	18:30	0
18:35	0	18:35	0	18:35	0	18:35	0	18:35	0	18:35	0
18:40	0	18:40	0	18:40	0	18:40	0	18:40	0	18:40	0
18:45	0	18:45	0	18:45	0	18:45	0	18:45	0	18:45	0
18:50	0	18:50	0	18:50	0	18:50	0	18:50	0	18:50	0
18:55	0	18:55	0	18:55	0	18:55	0	18:55	0	18:55	0

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3011		3010		3009		3008		3014		3015 (Combined)	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
19:00	0	19:00	0	19:00	0	19:00	0	19:00	0	19:00	0
19:05	0	19:05	0	19:05	0	19:05	0	19:05	0	19:05	0
19:10	0	19:10	0	19:10	0	19:10	0	19:10	0	19:10	0
19:15	0	19:15	0	19:15	0	19:15	0	19:15	0	19:15	0
19:20	0	19:20	0	19:20	0	19:20	0	19:20	0	19:20	0
19:25	0	19:25	0	19:25	0	19:25	0	19:25	0	19:25	0
19:30	0	19:30	0	19:30	0	19:30	0	19:30	0	19:30	0
19:35	0	19:35	0	19:35	0	19:35	0	19:35	0	19:35	0
19:40	0	19:40	0	19:40	0	19:40	0	19:40	0	19:40	0
19:45	0	19:45	0	19:45	0	19:45	0	19:45	0	19:45	0
19:50	0	19:50	0	19:50	0	19:50	0	19:50	0	19:50	0
19:55	0	19:55	0	19:55	0	19:55	0	19:55	0	19:55	0
20:00	0	20:00	0	20:00	0	20:00	0	20:00	0	20:00	0
20:05	0	20:05	0	20:05	0	20:05	0	20:05	0	20:05	0
20:10	0	20:10	0	20:10	0	20:10	0	20:10	0	20:10	0
20:15	0	20:15	0	20:15	0	20:15	0	20:15	0	20:15	0
20:20	0	20:20	0	20:20	0	20:20	0	20:20	0	20:20	0
20:25	0	20:25	0	20:25	0	20:25	0	20:25	0	20:25	0
20:30	0	20:30	0	20:30	0	20:30	0	20:30	0	20:30	0
20:35	0	20:35	0	20:35	0	20:35	0	20:35	0	20:35	0
20:40	0	20:40	0	20:40	0	20:40	0	20:40	0	20:40	0
20:45	0	20:45	0	20:45	0	20:45	0	20:45	0	20:45	0
20:50	0	20:50	0	20:50	0	20:50	0	20:50	0	20:50	0
20:55	0	20:55	0	20:55	0	20:55	0	20:55	0	20:55	0
21:00	0	21:00	0	21:00	0	21:00	0	21:00	0	21:00	0
21:05	0	21:05	0	21:05	0	21:05	0	21:05	0	21:05	0
21:10	0	21:10	0	21:10	0	21:10	0	21:10	0	21:10	0
21:15	0	21:15	0	21:15	0	21:15	0	21:15	0	21:15	0
21:20	0	21:20	0	21:20	0	21:20	0	21:20	0	21:20	0
21:25	0	21:25	0	21:25	0	21:25	0	21:25	0	21:25	0
21:30	0	21:30	0	21:30	0	21:30	0	21:30	0	21:30	0
21:35	0	21:35	0	21:35	0	21:35	0	21:35	0	21:35	0
21:40	0	21:40	0	21:40	0	21:40	0	21:40	0	21:40	0
21:45	0	21:45	0	21:45	0	21:45	0	21:45	0	21:45	0
21:50	0	21:50	0	21:50	0	21:50	0	21:50	0	21:50	0
21:55	0	21:55	0	21:55	0	21:55	0	21:55	0	21:55	0
22:00	0	22:00	0	22:00	0	22:00	0	22:00	0	22:00	0
22:05	0	22:05	0	22:05	0	22:05	0	22:05	0	22:05	0
22:10	0	22:10	0	22:10	0	22:10	0	22:10	0	22:10	0
22:15	0	22:15	0	22:15	0	22:15	0	22:15	0	22:15	0
22:20	0	22:20	0	22:20	0	22:20	0	22:20	0	22:20	0
22:25	0	22:25	0	22:25	0	22:25	0	22:25	0	22:25	0
22:30	0	22:30	0	22:30	0	22:30	0	22:30	0	22:30	0
22:35	0	22:35	0	22:35	0	22:35	0	22:35	0	22:35	0
22:40	0	22:40	0	22:40	0	22:40	0	22:40	0	22:40	0
22:45	0	22:45	0	22:45	0	22:45	0	22:45	0	22:45	0
22:50	0	22:50	0	22:50	0	22:50	0	22:50	0	22:50	0
22:55	0	22:55	0	22:55	0	22:55	0	22:55	0	22:55	0
23:00	0	23:00	0	23:00	0	23:00	0	23:00	0	23:00	0
23:05	0	23:05	0	23:05	0	23:05	0	23:05	0	23:05	0
23:10	0	23:10	0	23:10	0	23:10	0	23:10	0	23:10	0
23:15	0	23:15	0	23:15	0	23:15	0	23:15	0	23:15	0
23:20	0	23:20	0	23:20	0	23:20	0	23:20	0	23:20	0
23:25	0	23:25	0	23:25	0	23:25	0	23:25	0	23:25	0
23:30	0	23:30	0	23:30	0	23:30	0	23:30	0	23:30	0
23:35	0	23:35	0	23:35	0	23:35	0	23:35	0	23:35	0
23:40	0	23:40	0	23:40	0	23:40	0	23:40	0	23:40	0
23:45	0	23:45	0	23:45	0	23:45	0	23:45	0	23:45	0
23:50	0	23:50	0	23:50	0	23:50	0	23:50	0	23:50	0
23:55	0	23:55	0	23:55	0	23:55	0	23:55	0	23:55	0

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3020		3026		3021		3017		3022		3023		3024	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
0:00	0	0:00	0	0:00	0	0:00	0	0:00	0	0:00	0	0:00	0
0:05	0	0:05	0	0:05	0	0:05	0	0:05	0	0:05	0	0:05	0
0:10	0	0:10	0	0:10	0	0:10	0	0:10	0	0:10	0	0:10	0
0:15	0	0:15	0	0:15	0	0:15	0	0:15	0	0:15	0	0:15	0
0:20	0.001	0:20	0	0:20	0	0:20	0.001	0:20	0	0:20	0	0:20	0
0:25	0.003	0:25	0	0:25	0	0:25	0.001	0:25	0	0:25	0.001	0:25	0
0:30	0.007	0:30	0.001	0:30	0.001	0:30	0.002	0:30	0.003	0:30	0.002	0:30	0.001
0:35	0.014	0:35	0.003	0:35	0.001	0:35	0.002	0:35	0.006	0:35	0.005	0:35	0.002
0:40	0.023	0:40	0.005	0:40	0.002	0:40	0.004	0:40	0.009	0:40	0.008	0:40	0.002
0:45	0.039	0:45	0.009	0:45	0.003	0:45	0.005	0:45	0.017	0:45	0.014	0:45	0.005
0:50	0.077	0:50	0.02	0:50	0.018	0:50	0.021	0:50	0.024	0:50	0.021	0:50	0.002
0:55	0.106	0:55	0.042	0:55	0.021	0:55	0.021	0:55	0.042	0:55	0.021	0:55	0.021
1:00	0.106	1:00	0.042	1:00	0.021	1:00	0.021	1:00	0.042	1:00	0.021	1:00	0.021
1:05	0.102	1:05	0.042	1:05	0.021	1:05	0.021	1:05	0.042	1:05	0.021	1:05	0.021
1:10	0.091	1:10	0.041	1:10	0.021	1:10	0.021	1:10	0.042	1:10	0.021	1:10	0.021
1:15	0.083	1:15	0.036	1:15	0.021	1:15	0.021	1:15	0.042	1:15	0.021	1:15	0.021
1:20	0.078	1:20	0.032	1:20	0.019	1:20	0.021	1:20	0.042	1:20	0.021	1:20	0.021
1:25	0.069	1:25	0.03	1:25	0.014	1:25	0.013	1:25	0.042	1:25	0.018	1:25	0.021
1:30	0.052	1:30	0.027	1:30	0.01	1:30	0.007	1:30	0.041	1:30	0.012	1:30	0.021
1:35	0.042	1:35	0.024	1:35	0.007	1:35	0.003	1:35	0.037	1:35	0.009	1:35	0.021
1:40	0.035	1:40	0.022	1:40	0.005	1:40	0.001	1:40	0.032	1:40	0.008	1:40	0.019
1:45	0.03	1:45	0.019	1:45	0.004	1:45	0.002	1:45	0.028	1:45	0.007	1:45	0.015
1:50	0.026	1:50	0.017	1:50	0.004	1:50	0.001	1:50	0.025	1:50	0.006	1:50	0.013
1:55	0.023	1:55	0.015	1:55	0.003	1:55	0.001	1:55	0.022	1:55	0.005	1:55	0.011
2:00	0.02	2:00	0.014	2:00	0.003	2:00	0.001	2:00	0.02	2:00	0.005	2:00	0.01
2:05	0.018	2:05	0.012	2:05	0.002	2:05	0.001	2:05	0.017	2:05	0.005	2:05	0.008
2:10	0.016	2:10	0.011	2:10	0.002	2:10	0.001	2:10	0.016	2:10	0.004	2:10	0.007
2:15	0.015	2:15	0.01	2:15	0.002	2:15	0.001	2:15	0.014	2:15	0.004	2:15	0.006
2:20	0.013	2:20	0.009	2:20	0.002	2:20	0.001	2:20	0.013	2:20	0.004	2:20	0.006
2:25	0.012	2:25	0.008	2:25	0.001	2:25	0.001	2:25	0.012	2:25	0.004	2:25	0.005
2:30	0.012	2:30	0.007	2:30	0.001	2:30	0.001	2:30	0.011	2:30	0.003	2:30	0.004
2:35	0.011	2:35	0.007	2:35	0.001	2:35	0.001	2:35	0.01	2:35	0.003	2:35	0.004
2:40	0.01	2:40	0.006	2:40	0.001	2:40	0.001	2:40	0.009	2:40	0.003	2:40	0.003
2:45	0.01	2:45	0.006	2:45	0.001	2:45	0.001	2:45	0.009	2:45	0.003	2:45	0.003
2:50	0.01	2:50	0.005	2:50	0.001	2:50	0.001	2:50	0.008	2:50	0.003	2:50	0.003
2:55	0.009	2:55	0.005	2:55	0.001	2:55	0.001	2:55	0.008	2:55	0.003	2:55	0.003
3:00	0.009	3:00	0.005	3:00	0.001	3:00	0	3:00	0.008	3:00	0.003	3:00	0.003
3:05	0.009	3:05	0.005	3:05	0.001	3:05	0	3:05	0.008	3:05	0.003	3:05	0.003
3:10	0.008	3:10	0.004	3:10	0.001	3:10	0	3:10	0.007	3:10	0.002	3:10	0.003
3:15	0.007	3:15	0.004	3:15	0.001	3:15	0	3:15	0.006	3:15	0.002	3:15	0.003
3:20	0.006	3:20	0.004	3:20	0.001	3:20	0	3:20	0.006	3:20	0.002	3:20	0.002
3:25	0.005	3:25	0.003	3:25	0.001	3:25	0	3:25	0.005	3:25	0.001	3:25	0.002
3:30	0.005	3:30	0.003	3:30	0.001	3:30	0	3:30	0.004	3:30	0.001	3:30	0.002
3:35	0.004	3:35	0.003	3:35	0.001	3:35	0	3:35	0.004	3:35	0.001	3:35	0.002
3:40	0.004	3:40	0.003	3:40	0.001	3:40	0	3:40	0.004	3:40	0.001	3:40	0.002
3:45	0.004	3:45	0.002	3:45	0.001	3:45	0	3:45	0.003	3:45	0.001	3:45	0.001
3:50	0.003	3:50	0.002	3:50	0.001	3:50	0	3:50	0.003	3:50	0.001	3:50	0.001
3:55	0.003	3:55	0.002	3:55	0.001	3:55	0	3:55	0.003	3:55	0.001	3:55	0.001
4:00	0.003	4:00	0.002	4:00	0	4:00	0	4:00	0.003	4:00	0.001	4:00	0.001
4:05	0.003	4:05	0.002	4:05	0	4:05	0	4:05	0.002	4:05	0.001	4:05	0.001
4:10	0.003	4:10	0.002	4:10	0	4:10	0	4:10	0.002	4:10	0.001	4:10	0.001
4:15	0.003	4:15	0.002	4:15	0	4:15	0	4:15	0.002	4:15	0.001	4:15	0.001
4:20	0.002	4:20	0.002	4:20	0	4:20	0	4:20	0.002	4:20	0.001	4:20	0.001
4:25	0.002	4:25	0.001	4:25	0	4:25	0	4:25	0.002	4:25	0.001	4:25	0.001
4:30	0.002	4:30	0.001	4:30	0	4:30	0	4:30	0.002	4:30	0.001	4:30	0.001
4:35	0.002	4:35	0.001	4:35	0	4:35	0	4:35	0.002	4:35	0.001	4:35	0.001
4:40	0.002	4:40	0.001	4:40	0	4:40	0	4:40	0.002	4:40	0.001	4:40	0.001
4:45	0.002	4:45	0.001	4:45	0	4:45	0	4:45	0.002	4:45	0.001	4:45	0.001
4:50	0.002	4:50	0.001	4:50	0	4:50	0	4:50	0.002	4:50	0.001	4:50	0.001
4:55	0.002	4:55	0.001	4:55	0	4:55	0	4:55	0.002	4:55	0.001	4:55	0.001
5:00	0.002	5:00	0.001	5:00	0	5:00	0	5:00	0.002	5:00	0	5:00	0.001
5:05	0.002	5:05	0.001	5:05	0	5:05	0	5:05	0.001	5:05	0	5:05	0.001
5:10	0.002	5:10	0.001	5:10	0	5:10	0	5:10	0.001	5:10	0	5:10	0.001
5:15	0.002	5:15	0.001	5:15	0	5:15	0	5:15	0.001	5:15	0	5:15	0.001
5:20	0.002	5:20	0.001	5:20	0	5:20	0	5:20	0.001	5:20	0	5:20	0.001
5:25	0.002	5:25	0.001	5:25	0	5:25	0	5:25	0.001	5:25	0	5:25	0.001
5:30	0.002	5:30	0.001	5:30	0	5:30	0	5:30	0.001	5:30	0	5:30	0.001
5:35	0.002	5:35	0.001	5:35	0	5:35	0	5:35	0.001	5:35	0	5:35	0.001
5:40	0.001	5:40	0.001	5:40	0	5:40	0	5:40	0.001	5:40	0	5:40	0.001
5:45	0.001	5:45	0.001	5:45	0	5:45	0	5:45	0.001	5:45	0	5:45	0.001
5:50	0.001	5:50	0.001	5:50	0	5:50	0	5:50	0.001	5:50	0	5:50	0.001
5:55	0.001	5:55	0.001	5:55	0	5:55	0	5:55	0.001	5:55	0	5:55	0.001
6:00	0.001	6:00	0.001	6:00	0	6:00	0	6:00	0.001	6:00	0	6:00	0.001
6:05	0.001	6:05	0.001	6:05	0	6:05	0	6:05	0.001	6:05	0	6:05	0.001
6:10	0.001	6:10	0.001	6:10	0	6:10	0	6:10	0.001	6:10	0	6:10	0.001
6:15	0.001	6:15	0.001	6:15	0	6:15	0	6:15	0.001	6:15	0	6:15	0.001

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3020		3026		3021		3017		3022		3023		3024	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
6:20	0.001	6:20	0.001	6:20	0	6:20	0	6:20	0.001	6:20	0	6:20	0.001
6:25	0.001	6:25	0.001	6:25	0	6:25	0	6:25	0.001	6:25	0	6:25	0.001
6:30	0.001	6:30	0.001	6:30	0	6:30	0	6:30	0.001	6:30	0	6:30	0.001
6:35	0.001	6:35	0.001	6:35	0	6:35	0	6:35	0.001	6:35	0	6:35	0.001
6:40	0.001	6:40	0.001	6:40	0	6:40	0	6:40	0.001	6:40	0	6:40	0.001
6:45	0.001	6:45	0.001	6:45	0	6:45	0	6:45	0.001	6:45	0	6:45	0.001
6:50	0.001	6:50	0.001	6:50	0	6:50	0	6:50	0.001	6:50	0	6:50	0.001
6:55	0.001	6:55	0.001	6:55	0	6:55	0	6:55	0.001	6:55	0	6:55	0.001
7:00	0.001	7:00	0.001	7:00	0	7:00	0	7:00	0.001	7:00	0	7:00	0
7:05	0.001	7:05	0.001	7:05	0	7:05	0	7:05	0.001	7:05	0	7:05	0
7:10	0.001	7:10	0.001	7:10	0	7:10	0	7:10	0.001	7:10	0	7:10	0
7:15	0.001	7:15	0.001	7:15	0	7:15	0	7:15	0.001	7:15	0	7:15	0
7:20	0.001	7:20	0.001	7:20	0	7:20	0	7:20	0.001	7:20	0	7:20	0
7:25	0.001	7:25	0.001	7:25	0	7:25	0	7:25	0.001	7:25	0	7:25	0
7:30	0.001	7:30	0.001	7:30	0	7:30	0	7:30	0.001	7:30	0	7:30	0
7:35	0.001	7:35	0.001	7:35	0	7:35	0	7:35	0.001	7:35	0	7:35	0
7:40	0.001	7:40	0.001	7:40	0	7:40	0	7:40	0.001	7:40	0	7:40	0
7:45	0.001	7:45	0.001	7:45	0	7:45	0	7:45	0.001	7:45	0	7:45	0
7:50	0.001	7:50	0.001	7:50	0	7:50	0	7:50	0.001	7:50	0	7:50	0
7:55	0.001	7:55	0.001	7:55	0	7:55	0	7:55	0.001	7:55	0	7:55	0
8:00	0.001	8:00	0	8:00	0	8:00	0	8:00	0.001	8:00	0	8:00	0
8:05	0.001	8:05	0	8:05	0	8:05	0	8:05	0.001	8:05	0	8:05	0
8:10	0.001	8:10	0	8:10	0	8:10	0	8:10	0.001	8:10	0	8:10	0
8:15	0.001	8:15	0	8:15	0	8:15	0	8:15	0.001	8:15	0	8:15	0
8:20	0.001	8:20	0	8:20	0	8:20	0	8:20	0.001	8:20	0	8:20	0
8:25	0.001	8:25	0	8:25	0	8:25	0	8:25	0.001	8:25	0	8:25	0
8:30	0.001	8:30	0	8:30	0	8:30	0	8:30	0.001	8:30	0	8:30	0
8:35	0.001	8:35	0	8:35	0	8:35	0	8:35	0.001	8:35	0	8:35	0
8:40	0.001	8:40	0	8:40	0	8:40	0	8:40	0.001	8:40	0	8:40	0
8:45	0.001	8:45	0	8:45	0	8:45	0	8:45	0.001	8:45	0	8:45	0
8:50	0.001	8:50	0	8:50	0	8:50	0	8:50	0.001	8:50	0	8:50	0
8:55	0.001	8:55	0	8:55	0	8:55	0	8:55	0.001	8:55	0	8:55	0
9:00	0.001	9:00	0	9:00	0	9:00	0	9:00	0.001	9:00	0	9:00	0
9:05	0.001	9:05	0	9:05	0	9:05	0	9:05	0.001	9:05	0	9:05	0
9:10	0.001	9:10	0	9:10	0	9:10	0	9:10	0.001	9:10	0	9:10	0
9:15	0.001	9:15	0	9:15	0	9:15	0	9:15	0.001	9:15	0	9:15	0
9:20	0.001	9:20	0	9:20	0	9:20	0	9:20	0.001	9:20	0	9:20	0
9:25	0.001	9:25	0	9:25	0	9:25	0	9:25	0.001	9:25	0	9:25	0
9:30	0.001	9:30	0	9:30	0	9:30	0	9:30	0.001	9:30	0	9:30	0
9:35	0.001	9:35	0	9:35	0	9:35	0	9:35	0.001	9:35	0	9:35	0
9:40	0.001	9:40	0	9:40	0	9:40	0	9:40	0.001	9:40	0	9:40	0
9:45	0.001	9:45	0	9:45	0	9:45	0	9:45	0.001	9:45	0	9:45	0
9:50	0.001	9:50	0	9:50	0	9:50	0	9:50	0.001	9:50	0	9:50	0
9:55	0.001	9:55	0	9:55	0	9:55	0	9:55	0.001	9:55	0	9:55	0
10:00	0.001	10:00	0	10:00	0	10:00	0	10:00	0.001	10:00	0	10:00	0
10:05	0.001	10:05	0	10:05	0	10:05	0	10:05	0.001	10:05	0	10:05	0
10:10	0.001	10:10	0	10:10	0	10:10	0	10:10	0.001	10:10	0	10:10	0
10:15	0.001	10:15	0	10:15	0	10:15	0	10:15	0.001	10:15	0	10:15	0
10:20	0.001	10:20	0	10:20	0	10:20	0	10:20	0.001	10:20	0	10:20	0
10:25	0.001	10:25	0	10:25	0	10:25	0	10:25	0.001	10:25	0	10:25	0
10:30	0.001	10:30	0	10:30	0	10:30	0	10:30	0.001	10:30	0	10:30	0
10:35	0.001	10:35	0	10:35	0	10:35	0	10:35	0	10:35	0	10:35	0
10:40	0.001	10:40	0	10:40	0	10:40	0	10:40	0	10:40	0	10:40	0
10:45	0.001	10:45	0	10:45	0	10:45	0	10:45	0	10:45	0	10:45	0
10:50	0.001	10:50	0	10:50	0	10:50	0	10:50	0	10:50	0	10:50	0
10:55	0.001	10:55	0	10:55	0	10:55	0	10:55	0	10:55	0	10:55	0
11:00	0.001	11:00	0	11:00	0	11:00	0	11:00	0	11:00	0	11:00	0
11:05	0.001	11:05	0	11:05	0	11:05	0	11:05	0	11:05	0	11:05	0
11:10	0.001	11:10	0	11:10	0	11:10	0	11:10	0	11:10	0	11:10	0
11:15	0.001	11:15	0	11:15	0	11:15	0	11:15	0	11:15	0	11:15	0
11:20	0.001	11:20	0	11:20	0	11:20	0	11:20	0	11:20	0	11:20	0
11:25	0.001	11:25	0	11:25	0	11:25	0	11:25	0	11:25	0	11:25	0
11:30	0.001	11:30	0	11:30	0	11:30	0	11:30	0	11:30	0	11:30	0
11:35	0.001	11:35	0	11:35	0	11:35	0	11:35	0	11:35	0	11:35	0
11:40	0.001	11:40	0	11:40	0	11:40	0	11:40	0	11:40	0	11:40	0
11:45	0.001	11:45	0	11:45	0	11:45	0	11:45	0	11:45	0	11:45	0
11:50	0.001	11:50	0	11:50	0	11:50	0	11:50	0	11:50	0	11:50	0
11:55	0.001	11:55	0	11:55	0	11:55	0	11:55	0	11:55	0	11:55	0
12:00	0.001	12:00	0	12:00	0	12:00	0	12:00	0	12:00	0	12:00	0
12:05	0.001	12:05	0	12:05	0	12:05	0	12:05	0	12:05	0	12:05	0
12:10	0.001	12:10	0	12:10	0	12:10	0	12:10	0	12:10	0	12:10	0
12:15	0.001	12:15	0	12:15	0	12:15	0	12:15	0	12:15	0	12:15	0
12:20	0	12:20	0	12:20	0	12:20	0	12:20	0	12:20	0	12:20	0
12:25	0	12:25	0	12:25	0	12:25	0	12:25	0	12:25	0	12:25	0
12:30	0	12:30	0	12:30	0	12:30	0	12:30	0	12:30	0	12:30	0
12:35	0	12:35	0	12:35	0	12:35	0	12:35	0	12:35	0	12:35	0

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3020		3026		3021		3017		3022		3023		3024	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
12:40	0	12:40	0	12:40	0	12:40	0	12:40	0	12:40	0	12:40	0
12:45	0	12:45	0	12:45	0	12:45	0	12:45	0	12:45	0	12:45	0
12:50	0	12:50	0	12:50	0	12:50	0	12:50	0	12:50	0	12:50	0
12:55	0	12:55	0	12:55	0	12:55	0	12:55	0	12:55	0	12:55	0
13:00	0	13:00	0	13:00	0	13:00	0	13:00	0	13:00	0	13:00	0
13:05	0	13:05	0	13:05	0	13:05	0	13:05	0	13:05	0	13:05	0
13:10	0	13:10	0	13:10	0	13:10	0	13:10	0	13:10	0	13:10	0
13:15	0	13:15	0	13:15	0	13:15	0	13:15	0	13:15	0	13:15	0
13:20	0	13:20	0	13:20	0	13:20	0	13:20	0	13:20	0	13:20	0
13:25	0	13:25	0	13:25	0	13:25	0	13:25	0	13:25	0	13:25	0
13:30	0	13:30	0	13:30	0	13:30	0	13:30	0	13:30	0	13:30	0
13:35	0	13:35	0	13:35	0	13:35	0	13:35	0	13:35	0	13:35	0
13:40	0	13:40	0	13:40	0	13:40	0	13:40	0	13:40	0	13:40	0
13:45	0	13:45	0	13:45	0	13:45	0	13:45	0	13:45	0	13:45	0
13:50	0	13:50	0	13:50	0	13:50	0	13:50	0	13:50	0	13:50	0
13:55	0	13:55	0	13:55	0	13:55	0	13:55	0	13:55	0	13:55	0
14:00	0	14:00	0	14:00	0	14:00	0	14:00	0	14:00	0	14:00	0
14:05	0	14:05	0	14:05	0	14:05	0	14:05	0	14:05	0	14:05	0
14:10	0	14:10	0	14:10	0	14:10	0	14:10	0	14:10	0	14:10	0
14:15	0	14:15	0	14:15	0	14:15	0	14:15	0	14:15	0	14:15	0
14:20	0	14:20	0	14:20	0	14:20	0	14:20	0	14:20	0	14:20	0
14:25	0	14:25	0	14:25	0	14:25	0	14:25	0	14:25	0	14:25	0
14:30	0	14:30	0	14:30	0	14:30	0	14:30	0	14:30	0	14:30	0
14:35	0	14:35	0	14:35	0	14:35	0	14:35	0	14:35	0	14:35	0
14:40	0	14:40	0	14:40	0	14:40	0	14:40	0	14:40	0	14:40	0
14:45	0	14:45	0	14:45	0	14:45	0	14:45	0	14:45	0	14:45	0
14:50	0	14:50	0	14:50	0	14:50	0	14:50	0	14:50	0	14:50	0
14:55	0	14:55	0	14:55	0	14:55	0	14:55	0	14:55	0	14:55	0
15:00	0	15:00	0	15:00	0	15:00	0	15:00	0	15:00	0	15:00	0
15:05	0	15:05	0	15:05	0	15:05	0	15:05	0	15:05	0	15:05	0
15:10	0	15:10	0	15:10	0	15:10	0	15:10	0	15:10	0	15:10	0
15:15	0	15:15	0	15:15	0	15:15	0	15:15	0	15:15	0	15:15	0
15:20	0	15:20	0	15:20	0	15:20	0	15:20	0	15:20	0	15:20	0
15:25	0	15:25	0	15:25	0	15:25	0	15:25	0	15:25	0	15:25	0
15:30	0	15:30	0	15:30	0	15:30	0	15:30	0	15:30	0	15:30	0
15:35	0	15:35	0	15:35	0	15:35	0	15:35	0	15:35	0	15:35	0
15:40	0	15:40	0	15:40	0	15:40	0	15:40	0	15:40	0	15:40	0
15:45	0	15:45	0	15:45	0	15:45	0	15:45	0	15:45	0	15:45	0
15:50	0	15:50	0	15:50	0	15:50	0	15:50	0	15:50	0	15:50	0
15:55	0	15:55	0	15:55	0	15:55	0	15:55	0	15:55	0	15:55	0
16:00	0	16:00	0	16:00	0	16:00	0	16:00	0	16:00	0	16:00	0
16:05	0	16:05	0	16:05	0	16:05	0	16:05	0	16:05	0	16:05	0
16:10	0	16:10	0	16:10	0	16:10	0	16:10	0	16:10	0	16:10	0
16:15	0	16:15	0	16:15	0	16:15	0	16:15	0	16:15	0	16:15	0
16:20	0	16:20	0	16:20	0	16:20	0	16:20	0	16:20	0	16:20	0
16:25	0	16:25	0	16:25	0	16:25	0	16:25	0	16:25	0	16:25	0
16:30	0	16:30	0	16:30	0	16:30	0	16:30	0	16:30	0	16:30	0
16:35	0	16:35	0	16:35	0	16:35	0	16:35	0	16:35	0	16:35	0
16:40	0	16:40	0	16:40	0	16:40	0	16:40	0	16:40	0	16:40	0
16:45	0	16:45	0	16:45	0	16:45	0	16:45	0	16:45	0	16:45	0
16:50	0	16:50	0	16:50	0	16:50	0	16:50	0	16:50	0	16:50	0
16:55	0	16:55	0	16:55	0	16:55	0	16:55	0	16:55	0	16:55	0
17:00	0	17:00	0	17:00	0	17:00	0	17:00	0	17:00	0	17:00	0
17:05	0	17:05	0	17:05	0	17:05	0	17:05	0	17:05	0	17:05	0
17:10	0	17:10	0	17:10	0	17:10	0	17:10	0	17:10	0	17:10	0
17:15	0	17:15	0	17:15	0	17:15	0	17:15	0	17:15	0	17:15	0
17:20	0	17:20	0	17:20	0	17:20	0	17:20	0	17:20	0	17:20	0
17:25	0	17:25	0	17:25	0	17:25	0	17:25	0	17:25	0	17:25	0
17:30	0	17:30	0	17:30	0	17:30	0	17:30	0	17:30	0	17:30	0
17:35	0	17:35	0	17:35	0	17:35	0	17:35	0	17:35	0	17:35	0
17:40	0	17:40	0	17:40	0	17:40	0	17:40	0	17:40	0	17:40	0
17:45	0	17:45	0	17:45	0	17:45	0	17:45	0	17:45	0	17:45	0
17:50	0	17:50	0	17:50	0	17:50	0	17:50	0	17:50	0	17:50	0
17:55	0	17:55	0	17:55	0	17:55	0	17:55	0	17:55	0	17:55	0
18:00	0	18:00	0	18:00	0	18:00	0	18:00	0	18:00	0	18:00	0
18:05	0	18:05	0	18:05	0	18:05	0	18:05	0	18:05	0	18:05	0
18:10	0	18:10	0	18:10	0	18:10	0	18:10	0	18:10	0	18:10	0
18:15	0	18:15	0	18:15	0	18:15	0	18:15	0	18:15	0	18:15	0
18:20	0	18:20	0	18:20	0	18:20	0	18:20	0	18:20	0	18:20	0
18:25	0	18:25	0	18:25	0	18:25	0	18:25	0	18:25	0	18:25	0
18:30	0	18:30	0	18:30	0	18:30	0	18:30	0	18:30	0	18:30	0
18:35	0	18:35	0	18:35	0	18:35	0	18:35	0	18:35	0	18:35	0
18:40	0	18:40	0	18:40	0	18:40	0	18:40	0	18:40	0	18:40	0
18:45	0	18:45	0	18:45	0	18:45	0	18:45	0	18:45	0	18:45	0
18:50	0	18:50	0	18:50	0	18:50	0	18:50	0	18:50	0	18:50	0
18:55	0	18:55	0	18:55	0	18:55	0	18:55	0	18:55	0	18:55	0

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3020		3026		3021		3017		3022		3023		3024	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
19:00	0	19:00	0	19:00	0	19:00	0	19:00	0	19:00	0	19:00	0
19:05	0	19:05	0	19:05	0	19:05	0	19:05	0	19:05	0	19:05	0
19:10	0	19:10	0	19:10	0	19:10	0	19:10	0	19:10	0	19:10	0
19:15	0	19:15	0	19:15	0	19:15	0	19:15	0	19:15	0	19:15	0
19:20	0	19:20	0	19:20	0	19:20	0	19:20	0	19:20	0	19:20	0
19:25	0	19:25	0	19:25	0	19:25	0	19:25	0	19:25	0	19:25	0
19:30	0	19:30	0	19:30	0	19:30	0	19:30	0	19:30	0	19:30	0
19:35	0	19:35	0	19:35	0	19:35	0	19:35	0	19:35	0	19:35	0
19:40	0	19:40	0	19:40	0	19:40	0	19:40	0	19:40	0	19:40	0
19:45	0	19:45	0	19:45	0	19:45	0	19:45	0	19:45	0	19:45	0
19:50	0	19:50	0	19:50	0	19:50	0	19:50	0	19:50	0	19:50	0
19:55	0	19:55	0	19:55	0	19:55	0	19:55	0	19:55	0	19:55	0
20:00	0	20:00	0	20:00	0	20:00	0	20:00	0	20:00	0	20:00	0
20:05	0	20:05	0	20:05	0	20:05	0	20:05	0	20:05	0	20:05	0
20:10	0	20:10	0	20:10	0	20:10	0	20:10	0	20:10	0	20:10	0
20:15	0	20:15	0	20:15	0	20:15	0	20:15	0	20:15	0	20:15	0
20:20	0	20:20	0	20:20	0	20:20	0	20:20	0	20:20	0	20:20	0
20:25	0	20:25	0	20:25	0	20:25	0	20:25	0	20:25	0	20:25	0
20:30	0	20:30	0	20:30	0	20:30	0	20:30	0	20:30	0	20:30	0
20:35	0	20:35	0	20:35	0	20:35	0	20:35	0	20:35	0	20:35	0
20:40	0	20:40	0	20:40	0	20:40	0	20:40	0	20:40	0	20:40	0
20:45	0	20:45	0	20:45	0	20:45	0	20:45	0	20:45	0	20:45	0
20:50	0	20:50	0	20:50	0	20:50	0	20:50	0	20:50	0	20:50	0
20:55	0	20:55	0	20:55	0	20:55	0	20:55	0	20:55	0	20:55	0
21:00	0	21:00	0	21:00	0	21:00	0	21:00	0	21:00	0	21:00	0
21:05	0	21:05	0	21:05	0	21:05	0	21:05	0	21:05	0	21:05	0
21:10	0	21:10	0	21:10	0	21:10	0	21:10	0	21:10	0	21:10	0
21:15	0	21:15	0	21:15	0	21:15	0	21:15	0	21:15	0	21:15	0
21:20	0	21:20	0	21:20	0	21:20	0	21:20	0	21:20	0	21:20	0
21:25	0	21:25	0	21:25	0	21:25	0	21:25	0	21:25	0	21:25	0
21:30	0	21:30	0	21:30	0	21:30	0	21:30	0	21:30	0	21:30	0
21:35	0	21:35	0	21:35	0	21:35	0	21:35	0	21:35	0	21:35	0
21:40	0	21:40	0	21:40	0	21:40	0	21:40	0	21:40	0	21:40	0
21:45	0	21:45	0	21:45	0	21:45	0	21:45	0	21:45	0	21:45	0
21:50	0	21:50	0	21:50	0	21:50	0	21:50	0	21:50	0	21:50	0
21:55	0	21:55	0	21:55	0	21:55	0	21:55	0	21:55	0	21:55	0
22:00	0	22:00	0	22:00	0	22:00	0	22:00	0	22:00	0	22:00	0
22:05	0	22:05	0	22:05	0	22:05	0	22:05	0	22:05	0	22:05	0
22:10	0	22:10	0	22:10	0	22:10	0	22:10	0	22:10	0	22:10	0
22:15	0	22:15	0	22:15	0	22:15	0	22:15	0	22:15	0	22:15	0
22:20	0	22:20	0	22:20	0	22:20	0	22:20	0	22:20	0	22:20	0
22:25	0	22:25	0	22:25	0	22:25	0	22:25	0	22:25	0	22:25	0
22:30	0	22:30	0	22:30	0	22:30	0	22:30	0	22:30	0	22:30	0
22:35	0	22:35	0	22:35	0	22:35	0	22:35	0	22:35	0	22:35	0
22:40	0	22:40	0	22:40	0	22:40	0	22:40	0	22:40	0	22:40	0
22:45	0	22:45	0	22:45	0	22:45	0	22:45	0	22:45	0	22:45	0
22:50	0	22:50	0	22:50	0	22:50	0	22:50	0	22:50	0	22:50	0
22:55	0	22:55	0	22:55	0	22:55	0	22:55	0	22:55	0	22:55	0
23:00	0	23:00	0	23:00	0	23:00	0	23:00	0	23:00	0	23:00	0
23:05	0	23:05	0	23:05	0	23:05	0	23:05	0	23:05	0	23:05	0
23:10	0	23:10	0	23:10	0	23:10	0	23:10	0	23:10	0	23:10	0
23:15	0	23:15	0	23:15	0	23:15	0	23:15	0	23:15	0	23:15	0
23:20	0	23:20	0	23:20	0	23:20	0	23:20	0	23:20	0	23:20	0
23:25	0	23:25	0	23:25	0	23:25	0	23:25	0	23:25	0	23:25	0
23:30	0	23:30	0	23:30	0	23:30	0	23:30	0	23:30	0	23:30	0
23:35	0	23:35	0	23:35	0	23:35	0	23:35	0	23:35	0	23:35	0
23:40	0	23:40	0	23:40	0	23:40	0	23:40	0	23:40	0	23:40	0
23:45	0	23:45	0	23:45	0	23:45	0	23:45	0	23:45	0	23:45	0
23:50	0	23:50	0	23:50	0	23:50	0	23:50	0	23:50	0	23:50	0
23:55	0	23:55	0	23:55	0	23:55	0	23:55	0	23:55	0	23:55	0

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3029		3028		3027		3029 (3-29 minor)		3029 (3-29 spill)	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
0:00	0	0:00	0	0:00	0	0:00	0	0:00	0
0:05	0	0:05	0	0:05	0	0:05	0	0:05	0
0:10	0	0:10	0	0:10	0	0:10	0	0:10	0
0:15	0	0:15	0	0:15	0	0:15	0	0:15	0
0:20	0.001	0:20	0.001	0:20	0	0:20	0.001	0:20	0
0:25	0.002	0:25	0.001	0:25	0	0:25	0.001	0:25	0
0:30	0.003	0:30	0.002	0:30	0.001	0:30	0.002	0:30	0
0:35	0.006	0:35	0.002	0:35	0.002	0:35	0.002	0:35	0
0:40	0.01	0:40	0.004	0:40	0.003	0:40	0.004	0:40	0
0:45	0.017	0:45	0.006	0:45	0.005	0:45	0.006	0:45	0
0:50	0.045	0:50	0.021	0:50	0.011	0:50	0.021	0:50	0.099
0:55	0.064	0:55	0.021	0:55	0.021	0:55	0.021	0:55	0.827
1:00	0.064	1:00	0.021	1:00	0.021	1:00	0.021	1:00	1.411
1:05	0.064	1:05	0.021	1:05	0.021	1:05	0.021	1:05	1.003
1:10	0.064	1:10	0.021	1:10	0.021	1:10	0.021	1:10	0.633
1:15	0.063	1:15	0.021	1:15	0.021	1:15	0.021	1:15	0.36
1:20	0.06	1:20	0.019	1:20	0.021	1:20	0.021	1:20	0.181
1:25	0.056	1:25	0.011	1:25	0.021	1:25	0.021	1:25	0.093
1:30	0.052	1:30	0.005	1:30	0.02	1:30	0.021	1:30	0.033
1:35	0.046	1:35	0.004	1:35	0.019	1:35	0.019	1:35	0
1:40	0.037	1:40	0.003	1:40	0.017	1:40	0.014	1:40	0
1:45	0.029	1:45	0.002	1:45	0.016	1:45	0.008	1:45	0
1:50	0.023	1:50	0.002	1:50	0.014	1:50	0.005	1:50	0
1:55	0.019	1:55	0.002	1:55	0.013	1:55	0.004	1:55	0
2:00	0.017	2:00	0.002	2:00	0.012	2:00	0.003	2:00	0
2:05	0.014	2:05	0.001	2:05	0.011	2:05	0.002	2:05	0
2:10	0.013	2:10	0.001	2:10	0.01	2:10	0.002	2:10	0
2:15	0.012	2:15	0.001	2:15	0.009	2:15	0.002	2:15	0
2:20	0.011	2:20	0.001	2:20	0.008	2:20	0.002	2:20	0
2:25	0.01	2:25	0.001	2:25	0.007	2:25	0.001	2:25	0
2:30	0.009	2:30	0.001	2:30	0.007	2:30	0.001	2:30	0
2:35	0.008	2:35	0.001	2:35	0.006	2:35	0.001	2:35	0
2:40	0.008	2:40	0.001	2:40	0.006	2:40	0.001	2:40	0
2:45	0.007	2:45	0.001	2:45	0.005	2:45	0.001	2:45	0
2:50	0.007	2:50	0.001	2:50	0.005	2:50	0.001	2:50	0
2:55	0.007	2:55	0.001	2:55	0.005	2:55	0.001	2:55	0
3:00	0.006	3:00	0.001	3:00	0.004	3:00	0.001	3:00	0
3:05	0.006	3:05	0	3:05	0.004	3:05	0.001	3:05	0
3:10	0.005	3:10	0	3:10	0.004	3:10	0	3:10	0
3:15	0.005	3:15	0	3:15	0.004	3:15	0	3:15	0
3:20	0.004	3:20	0	3:20	0.003	3:20	0	3:20	0
3:25	0.004	3:25	0	3:25	0.003	3:25	0	3:25	0
3:30	0.003	3:30	0	3:30	0.003	3:30	0	3:30	0
3:35	0.003	3:35	0	3:35	0.003	3:35	0	3:35	0
3:40	0.003	3:40	0	3:40	0.002	3:40	0	3:40	0
3:45	0.003	3:45	0	3:45	0.002	3:45	0	3:45	0
3:50	0.002	3:50	0	3:50	0.002	3:50	0	3:50	0
3:55	0.002	3:55	0	3:55	0.002	3:55	0	3:55	0
4:00	0.002	4:00	0	4:00	0.002	4:00	0	4:00	0
4:05	0.002	4:05	0	4:05	0.002	4:05	0	4:05	0
4:10	0.002	4:10	0	4:10	0.001	4:10	0	4:10	0
4:15	0.002	4:15	0	4:15	0.001	4:15	0	4:15	0
4:20	0.002	4:20	0	4:20	0.001	4:20	0	4:20	0
4:25	0.001	4:25	0	4:25	0.001	4:25	0	4:25	0
4:30	0.001	4:30	0	4:30	0.001	4:30	0	4:30	0
4:35	0.001	4:35	0	4:35	0.001	4:35	0	4:35	0
4:40	0.001	4:40	0	4:40	0.001	4:40	0	4:40	0
4:45	0.001	4:45	0	4:45	0.001	4:45	0	4:45	0
4:50	0.001	4:50	0	4:50	0.001	4:50	0	4:50	0
4:55	0.001	4:55	0	4:55	0.001	4:55	0	4:55	0
5:00	0.001	5:00	0	5:00	0.001	5:00	0	5:00	0
5:05	0.001	5:05	0	5:05	0.001	5:05	0	5:05	0
5:10	0.001	5:10	0	5:10	0.001	5:10	0	5:10	0
5:15	0.001	5:15	0	5:15	0.001	5:15	0	5:15	0
5:20	0.001	5:20	0	5:20	0.001	5:20	0	5:20	0
5:25	0.001	5:25	0	5:25	0.001	5:25	0	5:25	0
5:30	0.001	5:30	0	5:30	0.001	5:30	0	5:30	0
5:35	0.001	5:35	0	5:35	0.001	5:35	0	5:35	0
5:40	0.001	5:40	0	5:40	0.001	5:40	0	5:40	0
5:45	0.001	5:45	0	5:45	0.001	5:45	0	5:45	0
5:50	0.001	5:50	0	5:50	0.001	5:50	0	5:50	0
5:55	0.001	5:55	0	5:55	0.001	5:55	0	5:55	0
6:00	0.001	6:00	0	6:00	0.001	6:00	0	6:00	0
6:05	0.001	6:05	0	6:05	0.001	6:05	0	6:05	0
6:10	0.001	6:10	0	6:10	0.001	6:10	0	6:10	0
6:15	0.001	6:15	0	6:15	0	6:15	0	6:15	0

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3029		3028		3027		3029 (3-29 minor)		3029 (3-29 spill)	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
6:20	0.001	6:20	0	6:20	0	6:20	0	6:20	0
6:25	0.001	6:25	0	6:25	0	6:25	0	6:25	0
6:30	0.001	6:30	0	6:30	0	6:30	0	6:30	0
6:35	0.001	6:35	0	6:35	0	6:35	0	6:35	0
6:40	0.001	6:40	0	6:40	0	6:40	0	6:40	0
6:45	0.001	6:45	0	6:45	0	6:45	0	6:45	0
6:50	0.001	6:50	0	6:50	0	6:50	0	6:50	0
6:55	0.001	6:55	0	6:55	0	6:55	0	6:55	0
7:00	0.001	7:00	0	7:00	0	7:00	0	7:00	0
7:05	0.001	7:05	0	7:05	0	7:05	0	7:05	0
7:10	0.001	7:10	0	7:10	0	7:10	0	7:10	0
7:15	0.001	7:15	0	7:15	0	7:15	0	7:15	0
7:20	0.001	7:20	0	7:20	0	7:20	0	7:20	0
7:25	0.001	7:25	0	7:25	0	7:25	0	7:25	0
7:30	0	7:30	0	7:30	0	7:30	0	7:30	0
7:35	0	7:35	0	7:35	0	7:35	0	7:35	0
7:40	0	7:40	0	7:40	0	7:40	0	7:40	0
7:45	0	7:45	0	7:45	0	7:45	0	7:45	0
7:50	0	7:50	0	7:50	0	7:50	0	7:50	0
7:55	0	7:55	0	7:55	0	7:55	0	7:55	0
8:00	0	8:00	0	8:00	0	8:00	0	8:00	0
8:05	0	8:05	0	8:05	0	8:05	0	8:05	0
8:10	0	8:10	0	8:10	0	8:10	0	8:10	0
8:15	0	8:15	0	8:15	0	8:15	0	8:15	0
8:20	0	8:20	0	8:20	0	8:20	0	8:20	0
8:25	0	8:25	0	8:25	0	8:25	0	8:25	0
8:30	0	8:30	0	8:30	0	8:30	0	8:30	0
8:35	0	8:35	0	8:35	0	8:35	0	8:35	0
8:40	0	8:40	0	8:40	0	8:40	0	8:40	0
8:45	0	8:45	0	8:45	0	8:45	0	8:45	0
8:50	0	8:50	0	8:50	0	8:50	0	8:50	0
8:55	0	8:55	0	8:55	0	8:55	0	8:55	0
9:00	0	9:00	0	9:00	0	9:00	0	9:00	0
9:05	0	9:05	0	9:05	0	9:05	0	9:05	0
9:10	0	9:10	0	9:10	0	9:10	0	9:10	0
9:15	0	9:15	0	9:15	0	9:15	0	9:15	0
9:20	0	9:20	0	9:20	0	9:20	0	9:20	0
9:25	0	9:25	0	9:25	0	9:25	0	9:25	0
9:30	0	9:30	0	9:30	0	9:30	0	9:30	0
9:35	0	9:35	0	9:35	0	9:35	0	9:35	0
9:40	0	9:40	0	9:40	0	9:40	0	9:40	0
9:45	0	9:45	0	9:45	0	9:45	0	9:45	0
9:50	0	9:50	0	9:50	0	9:50	0	9:50	0
9:55	0	9:55	0	9:55	0	9:55	0	9:55	0
10:00	0	10:00	0	10:00	0	10:00	0	10:00	0
10:05	0	10:05	0	10:05	0	10:05	0	10:05	0
10:10	0	10:10	0	10:10	0	10:10	0	10:10	0
10:15	0	10:15	0	10:15	0	10:15	0	10:15	0
10:20	0	10:20	0	10:20	0	10:20	0	10:20	0
10:25	0	10:25	0	10:25	0	10:25	0	10:25	0
10:30	0	10:30	0	10:30	0	10:30	0	10:30	0
10:35	0	10:35	0	10:35	0	10:35	0	10:35	0
10:40	0	10:40	0	10:40	0	10:40	0	10:40	0
10:45	0	10:45	0	10:45	0	10:45	0	10:45	0
10:50	0	10:50	0	10:50	0	10:50	0	10:50	0
10:55	0	10:55	0	10:55	0	10:55	0	10:55	0
11:00	0	11:00	0	11:00	0	11:00	0	11:00	0
11:05	0	11:05	0	11:05	0	11:05	0	11:05	0
11:10	0	11:10	0	11:10	0	11:10	0	11:10	0
11:15	0	11:15	0	11:15	0	11:15	0	11:15	0
11:20	0	11:20	0	11:20	0	11:20	0	11:20	0
11:25	0	11:25	0	11:25	0	11:25	0	11:25	0
11:30	0	11:30	0	11:30	0	11:30	0	11:30	0
11:35	0	11:35	0	11:35	0	11:35	0	11:35	0
11:40	0	11:40	0	11:40	0	11:40	0	11:40	0
11:45	0	11:45	0	11:45	0	11:45	0	11:45	0
11:50	0	11:50	0	11:50	0	11:50	0	11:50	0
11:55	0	11:55	0	11:55	0	11:55	0	11:55	0
12:00	0	12:00	0	12:00	0	12:00	0	12:00	0
12:05	0	12:05	0	12:05	0	12:05	0	12:05	0
12:10	0	12:10	0	12:10	0	12:10	0	12:10	0
12:15	0	12:15	0	12:15	0	12:15	0	12:15	0
12:20	0	12:20	0	12:20	0	12:20	0	12:20	0
12:25	0	12:25	0	12:25	0	12:25	0	12:25	0
12:30	0	12:30	0	12:30	0	12:30	0	12:30	0
12:35	0	12:35	0	12:35	0	12:35	0	12:35	0

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3029		3028		3027		3029 (3-29 minor)		3029 (3-29 spill)	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
12:40	0	12:40	0	12:40	0	12:40	0	12:40	0
12:45	0	12:45	0	12:45	0	12:45	0	12:45	0
12:50	0	12:50	0	12:50	0	12:50	0	12:50	0
12:55	0	12:55	0	12:55	0	12:55	0	12:55	0
13:00	0	13:00	0	13:00	0	13:00	0	13:00	0
13:05	0	13:05	0	13:05	0	13:05	0	13:05	0
13:10	0	13:10	0	13:10	0	13:10	0	13:10	0
13:15	0	13:15	0	13:15	0	13:15	0	13:15	0
13:20	0	13:20	0	13:20	0	13:20	0	13:20	0
13:25	0	13:25	0	13:25	0	13:25	0	13:25	0
13:30	0	13:30	0	13:30	0	13:30	0	13:30	0
13:35	0	13:35	0	13:35	0	13:35	0	13:35	0
13:40	0	13:40	0	13:40	0	13:40	0	13:40	0
13:45	0	13:45	0	13:45	0	13:45	0	13:45	0
13:50	0	13:50	0	13:50	0	13:50	0	13:50	0
13:55	0	13:55	0	13:55	0	13:55	0	13:55	0
14:00	0	14:00	0	14:00	0	14:00	0	14:00	0
14:05	0	14:05	0	14:05	0	14:05	0	14:05	0
14:10	0	14:10	0	14:10	0	14:10	0	14:10	0
14:15	0	14:15	0	14:15	0	14:15	0	14:15	0
14:20	0	14:20	0	14:20	0	14:20	0	14:20	0
14:25	0	14:25	0	14:25	0	14:25	0	14:25	0
14:30	0	14:30	0	14:30	0	14:30	0	14:30	0
14:35	0	14:35	0	14:35	0	14:35	0	14:35	0
14:40	0	14:40	0	14:40	0	14:40	0	14:40	0
14:45	0	14:45	0	14:45	0	14:45	0	14:45	0
14:50	0	14:50	0	14:50	0	14:50	0	14:50	0
14:55	0	14:55	0	14:55	0	14:55	0	14:55	0
15:00	0	15:00	0	15:00	0	15:00	0	15:00	0
15:05	0	15:05	0	15:05	0	15:05	0	15:05	0
15:10	0	15:10	0	15:10	0	15:10	0	15:10	0
15:15	0	15:15	0	15:15	0	15:15	0	15:15	0
15:20	0	15:20	0	15:20	0	15:20	0	15:20	0
15:25	0	15:25	0	15:25	0	15:25	0	15:25	0
15:30	0	15:30	0	15:30	0	15:30	0	15:30	0
15:35	0	15:35	0	15:35	0	15:35	0	15:35	0
15:40	0	15:40	0	15:40	0	15:40	0	15:40	0
15:45	0	15:45	0	15:45	0	15:45	0	15:45	0
15:50	0	15:50	0	15:50	0	15:50	0	15:50	0
15:55	0	15:55	0	15:55	0	15:55	0	15:55	0
16:00	0	16:00	0	16:00	0	16:00	0	16:00	0
16:05	0	16:05	0	16:05	0	16:05	0	16:05	0
16:10	0	16:10	0	16:10	0	16:10	0	16:10	0
16:15	0	16:15	0	16:15	0	16:15	0	16:15	0
16:20	0	16:20	0	16:20	0	16:20	0	16:20	0
16:25	0	16:25	0	16:25	0	16:25	0	16:25	0
16:30	0	16:30	0	16:30	0	16:30	0	16:30	0
16:35	0	16:35	0	16:35	0	16:35	0	16:35	0
16:40	0	16:40	0	16:40	0	16:40	0	16:40	0
16:45	0	16:45	0	16:45	0	16:45	0	16:45	0
16:50	0	16:50	0	16:50	0	16:50	0	16:50	0
16:55	0	16:55	0	16:55	0	16:55	0	16:55	0
17:00	0	17:00	0	17:00	0	17:00	0	17:00	0
17:05	0	17:05	0	17:05	0	17:05	0	17:05	0
17:10	0	17:10	0	17:10	0	17:10	0	17:10	0
17:15	0	17:15	0	17:15	0	17:15	0	17:15	0
17:20	0	17:20	0	17:20	0	17:20	0	17:20	0
17:25	0	17:25	0	17:25	0	17:25	0	17:25	0
17:30	0	17:30	0	17:30	0	17:30	0	17:30	0
17:35	0	17:35	0	17:35	0	17:35	0	17:35	0
17:40	0	17:40	0	17:40	0	17:40	0	17:40	0
17:45	0	17:45	0	17:45	0	17:45	0	17:45	0
17:50	0	17:50	0	17:50	0	17:50	0	17:50	0
17:55	0	17:55	0	17:55	0	17:55	0	17:55	0
18:00	0	18:00	0	18:00	0	18:00	0	18:00	0
18:05	0	18:05	0	18:05	0	18:05	0	18:05	0
18:10	0	18:10	0	18:10	0	18:10	0	18:10	0
18:15	0	18:15	0	18:15	0	18:15	0	18:15	0
18:20	0	18:20	0	18:20	0	18:20	0	18:20	0
18:25	0	18:25	0	18:25	0	18:25	0	18:25	0
18:30	0	18:30	0	18:30	0	18:30	0	18:30	0
18:35	0	18:35	0	18:35	0	18:35	0	18:35	0
18:40	0	18:40	0	18:40	0	18:40	0	18:40	0
18:45	0	18:45	0	18:45	0	18:45	0	18:45	0
18:50	0	18:50	0	18:50	0	18:50	0	18:50	0
18:55	0	18:55	0	18:55	0	18:55	0	18:55	0

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h100yCHI.csv

3029		3028		3027		3029 (3-29 minor)		3029 (3-29 spill)	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
19:00	0	19:00	0	19:00	0	19:00	0	19:00	0
19:05	0	19:05	0	19:05	0	19:05	0	19:05	0
19:10	0	19:10	0	19:10	0	19:10	0	19:10	0
19:15	0	19:15	0	19:15	0	19:15	0	19:15	0
19:20	0	19:20	0	19:20	0	19:20	0	19:20	0
19:25	0	19:25	0	19:25	0	19:25	0	19:25	0
19:30	0	19:30	0	19:30	0	19:30	0	19:30	0
19:35	0	19:35	0	19:35	0	19:35	0	19:35	0
19:40	0	19:40	0	19:40	0	19:40	0	19:40	0
19:45	0	19:45	0	19:45	0	19:45	0	19:45	0
19:50	0	19:50	0	19:50	0	19:50	0	19:50	0
19:55	0	19:55	0	19:55	0	19:55	0	19:55	0
20:00	0	20:00	0	20:00	0	20:00	0	20:00	0
20:05	0	20:05	0	20:05	0	20:05	0	20:05	0
20:10	0	20:10	0	20:10	0	20:10	0	20:10	0
20:15	0	20:15	0	20:15	0	20:15	0	20:15	0
20:20	0	20:20	0	20:20	0	20:20	0	20:20	0
20:25	0	20:25	0	20:25	0	20:25	0	20:25	0
20:30	0	20:30	0	20:30	0	20:30	0	20:30	0
20:35	0	20:35	0	20:35	0	20:35	0	20:35	0
20:40	0	20:40	0	20:40	0	20:40	0	20:40	0
20:45	0	20:45	0	20:45	0	20:45	0	20:45	0
20:50	0	20:50	0	20:50	0	20:50	0	20:50	0
20:55	0	20:55	0	20:55	0	20:55	0	20:55	0
21:00	0	21:00	0	21:00	0	21:00	0	21:00	0
21:05	0	21:05	0	21:05	0	21:05	0	21:05	0
21:10	0	21:10	0	21:10	0	21:10	0	21:10	0
21:15	0	21:15	0	21:15	0	21:15	0	21:15	0
21:20	0	21:20	0	21:20	0	21:20	0	21:20	0
21:25	0	21:25	0	21:25	0	21:25	0	21:25	0
21:30	0	21:30	0	21:30	0	21:30	0	21:30	0
21:35	0	21:35	0	21:35	0	21:35	0	21:35	0
21:40	0	21:40	0	21:40	0	21:40	0	21:40	0
21:45	0	21:45	0	21:45	0	21:45	0	21:45	0
21:50	0	21:50	0	21:50	0	21:50	0	21:50	0
21:55	0	21:55	0	21:55	0	21:55	0	21:55	0
22:00	0	22:00	0	22:00	0	22:00	0	22:00	0
22:05	0	22:05	0	22:05	0	22:05	0	22:05	0
22:10	0	22:10	0	22:10	0	22:10	0	22:10	0
22:15	0	22:15	0	22:15	0	22:15	0	22:15	0
22:20	0	22:20	0	22:20	0	22:20	0	22:20	0
22:25	0	22:25	0	22:25	0	22:25	0	22:25	0
22:30	0	22:30	0	22:30	0	22:30	0	22:30	0
22:35	0	22:35	0	22:35	0	22:35	0	22:35	0
22:40	0	22:40	0	22:40	0	22:40	0	22:40	0
22:45	0	22:45	0	22:45	0	22:45	0	22:45	0
22:50	0	22:50	0	22:50	0	22:50	0	22:50	0
22:55	0	22:55	0	22:55	0	22:55	0	22:55	0
23:00	0	23:00	0	23:00	0	23:00	0	23:00	0
23:05	0	23:05	0	23:05	0	23:05	0	23:05	0
23:10	0	23:10	0	23:10	0	23:10	0	23:10	0
23:15	0	23:15	0	23:15	0	23:15	0	23:15	0
23:20	0	23:20	0	23:20	0	23:20	0	23:20	0
23:25	0	23:25	0	23:25	0	23:25	0	23:25	0
23:30	0	23:30	0	23:30	0	23:30	0	23:30	0
23:35	0	23:35	0	23:35	0	23:35	0	23:35	0
23:40	0	23:40	0	23:40	0	23:40	0	23:40	0
23:45	0	23:45	0	23:45	0	23:45	0	23:45	0
23:50	0	23:50	0	23:50	0	23:50	0	23:50	0
23:55	0	23:55	0	23:55	0	23:55	0	23:55	0

Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h5yCHI.csv

3001W		3002		3003		3004		3005		3006		3012	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
0:00	0	0:00	0	0:00	0	0:00	0	0:00	0	0:00	0	0:00	0
0:05	0	0:05	0	0:05	0	0:05	0	0:05	0	0:05	0	0:05	0
0:10	0	0:10	0	0:10	0	0:10	0	0:10	0	0:10	0	0:10	0
0:15	0	0:15	0	0:15	0	0:15	0	0:15	0	0:15	0	0:15	0
0:20	0	0:20	0	0:20	0	0:20	0	0:20	0	0:20	0	0:20	0
0:25	0	0:25	0	0:25	0	0:25	0	0:25	0	0:25	0	0:25	0
0:30	0	0:30	0	0:30	0	0:30	0	0:30	0	0:30	0	0:30	0
0:35	0	0:35	0	0:35	0	0:35	0	0:35	0	0:35	0	0:35	0.001
0:40	0.001	0:40	0.001	0:40	0.001	0:40	0.001	0:40	0	0:40	0.001	0:40	0.002
0:45	0.002	0:45	0.001	0:45	0.001	0:45	0.001	0:45	0	0:45	0.003	0:45	0.005
0:50	0.006	0:50	0	0:50	0	0:50	0.005	0:50	0.002	0:50	0.007	0:50	0.013
0:55	0.016	0:55	0.006	0:55	0.006	0:55	0.013	0:55	0.006	0:55	0.02	0:55	0.034
1:00	0.053	1:00	0.021	1:00	0.021	1:00	0.041	1:00	0.012	1:00	0.049	1:00	0.05
1:05	0.062	1:05	0.02	1:05	0.02	1:05	0.042	1:05	0.016	1:05	0.057	1:05	0.063
1:10	0.064	1:10	0.021	1:10	0.021	1:10	0.041	1:10	0.018	1:10	0.061	1:10	0.064
1:15	0.062	1:15	0.016	1:15	0.016	1:15	0.036	1:15	0.018	1:15	0.061	1:15	0.059
1:20	0.056	1:20	0.01	1:20	0.01	1:20	0.028	1:20	0.017	1:20	0.058	1:20	0.045
1:25	0.049	1:25	0.007	1:25	0.007	1:25	0.023	1:25	0.016	1:25	0.049	1:25	0.031
1:30	0.043	1:30	0.005	1:30	0.005	1:30	0.018	1:30	0.015	1:30	0.042	1:30	0.027
1:35	0.038	1:35	0.004	1:35	0.004	1:35	0.015	1:35	0.013	1:35	0.036	1:35	0.024
1:40	0.033	1:40	0.003	1:40	0.003	1:40	0.012	1:40	0.012	1:40	0.031	1:40	0.022
1:45	0.029	1:45	0.003	1:45	0.003	1:45	0.01	1:45	0.011	1:45	0.027	1:45	0.02
1:50	0.026	1:50	0.002	1:50	0.002	1:50	0.009	1:50	0.01	1:50	0.023	1:50	0.018
1:55	0.023	1:55	0.002	1:55	0.002	1:55	0.008	1:55	0.009	1:55	0.02	1:55	0.017
2:00	0.02	2:00	0.002	2:00	0.002	2:00	0.007	2:00	0.008	2:00	0.018	2:00	0.016
2:05	0.018	2:05	0.002	2:05	0.002	2:05	0.006	2:05	0.008	2:05	0.016	2:05	0.015
2:10	0.016	2:10	0.002	2:10	0.002	2:10	0.005	2:10	0.007	2:10	0.014	2:10	0.014
2:15	0.015	2:15	0.001	2:15	0.001	2:15	0.005	2:15	0.007	2:15	0.013	2:15	0.013
2:20	0.013	2:20	0.001	2:20	0.001	2:20	0.004	2:20	0.006	2:20	0.012	2:20	0.012
2:25	0.012	2:25	0.001	2:25	0.001	2:25	0.004	2:25	0.006	2:25	0.011	2:25	0.011
2:30	0.011	2:30	0.001	2:30	0.001	2:30	0.004	2:30	0.005	2:30	0.01	2:30	0.01
2:35	0.01	2:35	0.001	2:35	0.001	2:35	0.004	2:35	0.005	2:35	0.009	2:35	0.01
2:40	0.01	2:40	0.001	2:40	0.001	2:40	0.003	2:40	0.005	2:40	0.008	2:40	0.009
2:45	0.009	2:45	0.001	2:45	0.001	2:45	0.003	2:45	0.004	2:45	0.008	2:45	0.009
2:50	0.008	2:50	0.001	2:50	0.001	2:50	0.003	2:50	0.004	2:50	0.007	2:50	0.008
2:55	0.008	2:55	0.001	2:55	0.001	2:55	0.003	2:55	0.004	2:55	0.007	2:55	0.008
3:00	0.008	3:00	0.001	3:00	0.001	3:00	0.003	3:00	0.004	3:00	0.007	3:00	0.007
3:05	0.007	3:05	0.001	3:05	0.001	3:05	0.003	3:05	0.004	3:05	0.006	3:05	0.007
3:10	0.007	3:10	0.001	3:10	0.001	3:10	0.003	3:10	0.003	3:10	0.006	3:10	0.006
3:15	0.007	3:15	0.001	3:15	0.001	3:15	0.003	3:15	0.003	3:15	0.006	3:15	0.006
3:20	0.006	3:20	0.001	3:20	0.001	3:20	0.003	3:20	0.003	3:20	0.005	3:20	0.006
3:25	0.006	3:25	0.001	3:25	0.001	3:25	0.003	3:25	0.003	3:25	0.005	3:25	0.005
3:30	0.005	3:30	0.001	3:30	0.001	3:30	0.003	3:30	0.003	3:30	0.004	3:30	0.005
3:35	0.005	3:35	0.001	3:35	0.001	3:35	0.002	3:35	0.003	3:35	0.004	3:35	0.005
3:40	0.005	3:40	0.001	3:40	0.001	3:40	0.002	3:40	0.003	3:40	0.004	3:40	0.004
3:45	0.004	3:45	0.001	3:45	0.001	3:45	0.002	3:45	0.003	3:45	0.004	3:45	0.004
3:50	0.004	3:50	0.001	3:50	0.001	3:50	0.002	3:50	0.003	3:50	0.003	3:50	0.004
3:55	0.004	3:55	0.001	3:55	0.001	3:55	0.002	3:55	0.003	3:55	0.003	3:55	0.004
4:00	0.004	4:00	0.001	4:00	0.001	4:00	0.002	4:00	0.002	4:00	0.003	4:00	0.004
4:05	0.003	4:05	0.001	4:05	0.001	4:05	0.002	4:05	0.002	4:05	0.003	4:05	0.003
4:10	0.003	4:10	0.001	4:10	0.001	4:10	0.002	4:10	0.002	4:10	0.003	4:10	0.003
4:15	0.003	4:15	0.001	4:15	0.001	4:15	0.002	4:15	0.002	4:15	0.003	4:15	0.003
4:20	0.003	4:20	0.001	4:20	0.001	4:20	0.002	4:20	0.002	4:20	0.002	4:20	0.003
4:25	0.003	4:25	0.001	4:25	0.001	4:25	0.002	4:25	0.002	4:25	0.002	4:25	0.003
4:30	0.003	4:30	0.001	4:30	0.001	4:30	0.002	4:30	0.002	4:30	0.002	4:30	0.003
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4:40	0.002	4:40	0.001	4:40	0.001	4:40	0.001	4:40	0.002	4:40	0.002	4:40	0.002
4:45	0.002	4:45	0.001	4:45	0.001	4:45	0.001	4:45	0.002	4:45	0.002	4:45	0.002
4:50	0.002	4:50	0.001	4:50	0.001	4:50	0.001	4:50	0.002	4:50	0.002	4:50	0.002
4:55	0.002	4:55	0.001	4:55	0.001	4:55	0.001	4:55	0.002	4:55	0.002	4:55	0.002
5:00	0.002	5:00	0.001	5:00	0.001	5:00	0.001	5:00	0.002	5:00	0.002	5:00	0.002
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5:15	0.002	5:15	0	5:15	0	5:15	0.001	5:15	0.002	5:15	0.002	5:15	0.002
5:20	0.002	5:20	0	5:20	0	5:20	0.001	5:20	0.002	5:20	0.002	5:20	0.002
5:25	0.002	5:25	0	5:25	0	5:25	0.001	5:25	0.002	5:25	0.001	5:25	0.002
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5:35	0.002	5:35	0	5:35	0	5:35	0.001	5:35	0.002	5:35	0.001	5:35	0.001
5:40	0.002	5:40	0	5:40	0	5:40	0.001	5:40	0.002	5:40	0.001	5:40	0.001
5:45	0.002	5:45	0	5:45	0	5:45	0.001	5:45	0.002	5:45	0.001	5:45	0.001
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6:00	0.002	6:00	0	6:00	0	6:00	0.001	6:00	0.001	6:00	0.001	6:00	0.001
6:05	0.002	6:05	0	6:05	0	6:05	0.001	6:05	0.001	6:05	0.001	6:05	0.001
6:10	0.002	6:10	0	6:10	0	6:10	0.001	6:10	0.001	6:10	0.001	6:10	0.001
6:15	0.002	6:15	0	6:15	0	6:15	0.001	6:15	0.001	6:15	0.001	6:15	0.001

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6:30	0.001	6:30	0	6:30	0	6:30	0.001	6:30	0.001	6:30	0.001	6:30	0.001
6:35	0.001	6:35	0	6:35	0	6:35	0.001	6:35	0.001	6:35	0.001	6:35	0.001
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6:50	0.001	6:50	0	6:50	0	6:50	0.001	6:50	0.001	6:50	0.001	6:50	0.001
6:55	0.001	6:55	0	6:55	0	6:55	0.001	6:55	0.001	6:55	0.001	6:55	0.001
7:00	0.001	7:00	0	7:00	0	7:00	0.001	7:00	0.001	7:00	0.001	7:00	0.001
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7:10	0.001	7:10	0	7:10	0	7:10	0.001	7:10	0.001	7:10	0.001	7:10	0.001
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7:20	0.001	7:20	0	7:20	0	7:20	0.001	7:20	0.001	7:20	0.001	7:20	0.001
7:25	0.001	7:25	0	7:25	0	7:25	0.001	7:25	0.001	7:25	0.001	7:25	0.001
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7:55	0.001	7:55	0	7:55	0	7:55	0.001	7:55	0.001	7:55	0.001	7:55	0.001
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9:30	0.001	9:30	0	9:30	0	9:30	0.001	9:30	0.001	9:30	0.001	9:30	0.001
9:35	0.001	9:35	0	9:35	0	9:35	0.001	9:35	0.001	9:35	0.001	9:35	0.001
9:40	0.001	9:40	0	9:40	0	9:40	0.001	9:40	0.001	9:40	0.001	9:40	0.001
9:45	0.001	9:45	0	9:45	0	9:45	0.001	9:45	0.001	9:45	0.001	9:45	0.001
9:50	0.001	9:50	0	9:50	0	9:50	0.001	9:50	0.001	9:50	0.001	9:50	0.001
9:55	0.001	9:55	0	9:55	0	9:55	0.001	9:55	0.001	9:55	0.001	9:55	0.001
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10:40	0.001	10:40	0	10:40	0	10:40	0.001	10:40	0.001	10:40	0.001	10:40	0
10:45	0.001	10:45	0	10:45	0	10:45	0	10:45	0.001	10:45	0.001	10:45	0
10:50	0.001	10:50	0	10:50	0	10:50	0	10:50	0.001	10:50	0.001	10:50	0
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11:00	0.001	11:00	0	11:00	0	11:00	0	11:00	0.001	11:00	0.001	11:00	0
11:05	0.001	11:05	0	11:05	0	11:05	0	11:05	0.001	11:05	0.001	11:05	0
11:10	0.001	11:10	0	11:10	0	11:10	0	11:10	0.001	11:10	0.001	11:10	0
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11:20	0.001	11:20	0	11:20	0	11:20	0	11:20	0.001	11:20	0.001	11:20	0
11:25	0.001	11:25	0	11:25	0	11:25	0	11:25	0.001	11:25	0.001	11:25	0
11:30	0.001	11:30	0	11:30	0	11:30	0	11:30	0.001	11:30	0.001	11:30	0
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Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h5yCHI.csv

3011		3010		3009		3008		3014		3015 (Combined)		3020	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
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0:10	0	0:10	0	0:10	0	0:10	0	0:10	0	0:10	0	0:10	0
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0:45	0.003	0:45	0.006	0:45	0.003	0:45	0	0:45	0.008	0:45	0.002	0:45	0.017
0:50	0.01	0:50	0.014	0:50	0.006	0:50	0	0:50	0.022	0:50	0.006	0:50	0.041
0:55	0.021	0:55	0.031	0:55	0.023	0:55	0.006	0:55	0.033	0:55	0.015	0:55	0.09
1:00	0.02	1:00	0.042	1:00	0.049	1:00	0.021	1:00	0.052	1:00	0.035	1:00	0.09
1:05	0.014	1:05	0.04	1:05	0.055	1:05	0.021	1:05	0.048	1:05	0.033	1:05	0.079
1:10	0.008	1:10	0.035	1:10	0.057	1:10	0.021	1:10	0.047	1:10	0.037	1:10	0.071
1:15	0.007	1:15	0.027	1:15	0.05	1:15	0.017	1:15	0.046	1:15	0.034	1:15	0.056
1:20	0.005	1:20	0.021	1:20	0.043	1:20	0.013	1:20	0.041	1:20	0.026	1:20	0.039
1:25	0.004	1:25	0.016	1:25	0.038	1:25	0.01	1:25	0.035	1:25	0.022	1:25	0.031
1:30	0.003	1:30	0.013	1:30	0.034	1:30	0.008	1:30	0.029	1:30	0.018	1:30	0.025
1:35	0.003	1:35	0.011	1:35	0.03	1:35	0.007	1:35	0.024	1:35	0.015	1:35	0.021
1:40	0.003	1:40	0.009	1:40	0.027	1:40	0.006	1:40	0.021	1:40	0.013	1:40	0.017
1:45	0.002	1:45	0.007	1:45	0.024	1:45	0.005	1:45	0.018	1:45	0.012	1:45	0.015
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1:55	0.002	1:55	0.006	1:55	0.019	1:55	0.003	1:55	0.014	1:55	0.009	1:55	0.012
2:00	0.002	2:00	0.005	2:00	0.017	2:00	0.003	2:00	0.012	2:00	0.008	2:00	0.011
2:05	0.002	2:05	0.005	2:05	0.016	2:05	0.003	2:05	0.011	2:05	0.007	2:05	0.01
2:10	0.002	2:10	0.004	2:10	0.014	2:10	0.002	2:10	0.01	2:10	0.007	2:10	0.01
2:15	0.001	2:15	0.004	2:15	0.013	2:15	0.002	2:15	0.01	2:15	0.005	2:15	0.009
2:20	0.001	2:20	0.004	2:20	0.012	2:20	0.002	2:20	0.009	2:20	0.005	2:20	0.008
2:25	0.001	2:25	0.004	2:25	0.011	2:25	0.002	2:25	0.008	2:25	0.004	2:25	0.008
2:30	0.001	2:30	0.003	2:30	0.01	2:30	0.002	2:30	0.008	2:30	0.004	2:30	0.008
2:35	0.001	2:35	0.003	2:35	0.009	2:35	0.002	2:35	0.007	2:35	0.004	2:35	0.007
2:40	0.001	2:40	0.003	2:40	0.009	2:40	0.002	2:40	0.007	2:40	0.004	2:40	0.007
2:45	0.001	2:45	0.003	2:45	0.008	2:45	0.002	2:45	0.007	2:45	0.004	2:45	0.007
2:50	0.001	2:50	0.003	2:50	0.007	2:50	0.002	2:50	0.006	2:50	0.003	2:50	0.006
2:55	0.001	2:55	0.003	2:55	0.007	2:55	0.002	2:55	0.006	2:55	0.003	2:55	0.006
3:00	0.001	3:00	0.003	3:00	0.007	3:00	0.002	3:00	0.006	3:00	0.003	3:00	0.006
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3:10	0.001	3:10	0.002	3:10	0.006	3:10	0.002	3:10	0.006	3:10	0.003	3:10	0.006
3:15	0.001	3:15	0.002	3:15	0.006	3:15	0.002	3:15	0.006	3:15	0.003	3:15	0.005
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3:30	0.001	3:30	0.002	3:30	0.005	3:30	0.001	3:30	0.004	3:30	0.003	3:30	0.004
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Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h5yCHI.csv

3026		3021		3017		3022		3023		3024		3029	
Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow	Time	Flow
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0:05	0	0:05	0	0:05	0	0:05	0	0:05	0	0:05	0	0:05	0
0:10	0	0:10	0	0:10	0	0:10	0	0:10	0	0:10	0	0:10	0
0:15	0	0:15	0	0:15	0	0:15	0	0:15	0	0:15	0	0:15	0
0:20	0	0:20	0	0:20	0	0:20	0	0:20	0	0:20	0	0:20	0
0:25	0	0:25	0	0:25	0.001	0:25	0	0:25	0	0:25	0	0:25	0
0:30	0	0:30	0	0:30	0.001	0:30	0	0:30	0	0:30	0	0:30	0.001
0:35	0	0:35	0	0:35	0.001	0:35	0.001	0:35	0.001	0:35	0	0:35	0.002
0:40	0.001	0:40	0.001	0:40	0.002	0:40	0.002	0:40	0.003	0:40	0	0:40	0.004
0:45	0.003	0:45	0.001	0:45	0.003	0:45	0.006	0:45	0.006	0:45	0.001	0:45	0.007
0:50	0.009	0:50	0.004	0:50	0.01	0:50	0.012	0:50	0.016	0:50	0	0:50	0.018
0:55	0.023	0:55	0.021	0:55	0.021	0:55	0.03	0:55	0.021	0:55	0.009	0:55	0.047
1:00	0.035	1:00	0.021	1:00	0.021	1:00	0.042	1:00	0.021	1:00	0.021	1:00	0.063
1:05	0.03	1:05	0.021	1:05	0.021	1:05	0.042	1:05	0.021	1:05	0.021	1:05	0.063
1:10	0.028	1:10	0.019	1:10	0.019	1:10	0.042	1:10	0.021	1:10	0.021	1:10	0.061
1:15	0.026	1:15	0.014	1:15	0.008	1:15	0.041	1:15	0.018	1:15	0.021	1:15	0.054
1:20	0.022	1:20	0.008	1:20	0.002	1:20	0.035	1:20	0.012	1:20	0.02	1:20	0.043
1:25	0.02	1:25	0.006	1:25	0.001	1:25	0.03	1:25	0.008	1:25	0.014	1:25	0.034
1:30	0.017	1:30	0.004	1:30	0.001	1:30	0.025	1:30	0.006	1:30	0.011	1:30	0.027
1:35	0.015	1:35	0.003	1:35	0.001	1:35	0.022	1:35	0.005	1:35	0.009	1:35	0.022
1:40	0.013	1:40	0.002	1:40	0.001	1:40	0.018	1:40	0.005	1:40	0.007	1:40	0.018
1:45	0.011	1:45	0.002	1:45	0.001	1:45	0.016	1:45	0.004	1:45	0.006	1:45	0.015
1:50	0.01	1:50	0.002	1:50	0.001	1:50	0.014	1:50	0.004	1:50	0.005	1:50	0.013
1:55	0.009	1:55	0.002	1:55	0.001	1:55	0.012	1:55	0.004	1:55	0.004	1:55	0.011
2:00	0.008	2:00	0.001	2:00	0.001	2:00	0.011	2:00	0.003	2:00	0.004	2:00	0.01
2:05	0.007	2:05	0.001	2:05	0.001	2:05	0.01	2:05	0.003	2:05	0.003	2:05	0.009
2:10	0.006	2:10	0.001	2:10	0.001	2:10	0.009	2:10	0.003	2:10	0.003	2:10	0.008
2:15	0.006	2:15	0.001	2:15	0.001	2:15	0.008	2:15	0.003	2:15	0.003	2:15	0.007
2:20	0.005	2:20	0.001	2:20	0	2:20	0.008	2:20	0.002	2:20	0.003	2:20	0.007
2:25	0.005	2:25	0.001	2:25	0.001	2:25	0.007	2:25	0.002	2:25	0.003	2:25	0.006
2:30	0.004	2:30	0.001	2:30	0	2:30	0.007	2:30	0.002	2:30	0.002	2:30	0.006
2:35	0.004	2:35	0.001	2:35	0	2:35	0.006	2:35	0.002	2:35	0.002	2:35	0.005
2:40	0.004	2:40	0.001	2:40	0	2:40	0.006	2:40	0.002	2:40	0.002	2:40	0.005
2:45	0.004	2:45	0.001	2:45	0	2:45	0.006	2:45	0.002	2:45	0.002	2:45	0.005
2:50	0.003	2:50	0.001	2:50	0	2:50	0.005	2:50	0.002	2:50	0.002	2:50	0.004
2:55	0.003	2:55	0.001	2:55	0	2:55	0.005	2:55	0.002	2:55	0.002	2:55	0.004
3:00	0.003	3:00	0.001	3:00	0	3:00	0.005	3:00	0.002	3:00	0.002	3:00	0.004
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3:20	0.003	3:20	0.001	3:20	0	3:20	0.004	3:20	0.001	3:20	0.002	3:20	0.003
3:25	0.002	3:25	0.001	3:25	0	3:25	0.004	3:25	0.001	3:25	0.002	3:25	0.003
3:30	0.002	3:30	0	3:30	0	3:30	0.004	3:30	0.001	3:30	0.001	3:30	0.002
3:35	0.002	3:35	0	3:35	0	3:35	0.003	3:35	0.001	3:35	0.001	3:35	0.002
3:40	0.002	3:40	0	3:40	0	3:40	0.003	3:40	0.001	3:40	0.001	3:40	0.002
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Inflow Time Series - Existing Subdivision Design, Phase 3 December 2011
Cavanagh - Akerson Road Site Plan
Block 76, 77, and 78

Data taken from
Path: \\ca0218-ppfss01\work_group\01-604\active\160400574_sohowest\design\analysis\SWM\Subm5\DDSWMM
File: 3h5yCHI.csv

3028		3027		3029 (3-29 minor)		3029 (3-29 spill)	
Time	Flow	Time	Flow	Time	Flow	Time	Flow
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0:05	0	0:05	0	0:05	0	0:05	0
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0:15	0	0:15	0	0:15	0	0:15	0
0:20	0	0:20	0	0:20	0	0:20	0
0:25	0	0:25	0	0:25	0	0:25	0
0:30	0.001	0:30	0	0:30	0.001	0:30	0
0:35	0.001	0:35	0	0:35	0.001	0:35	0
0:40	0.002	0:40	0.001	0:40	0.002	0:40	0
0:45	0.003	0:45	0.002	0:45	0.003	0:45	0
0:50	0.008	0:50	0.005	0:50	0.007	0:50	0
0:55	0.021	0:55	0.012	0:55	0.021	0:55	0.123
1:00	0.021	1:00	0.021	1:00	0.021	1:00	0.167
1:05	0.021	1:05	0.021	1:05	0.021	1:05	0.075
1:10	0.021	1:10	0.021	1:10	0.019	1:10	0.007
1:15	0.013	1:15	0.02	1:15	0.013	1:15	0
1:20	0.004	1:20	0.019	1:20	0.008	1:20	0
1:25	0.002	1:25	0.017	1:25	0.005	1:25	0
1:30	0.002	1:30	0.016	1:30	0.003	1:30	0
1:35	0.002	1:35	0.014	1:35	0.003	1:35	0
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3:50	0	3:50	0.002	3:50	0	3:50	0
3:55	0	3:55	0.001	3:55	0	3:55	0
4:00	0	4:00	0.001	4:00	0	4:00	0
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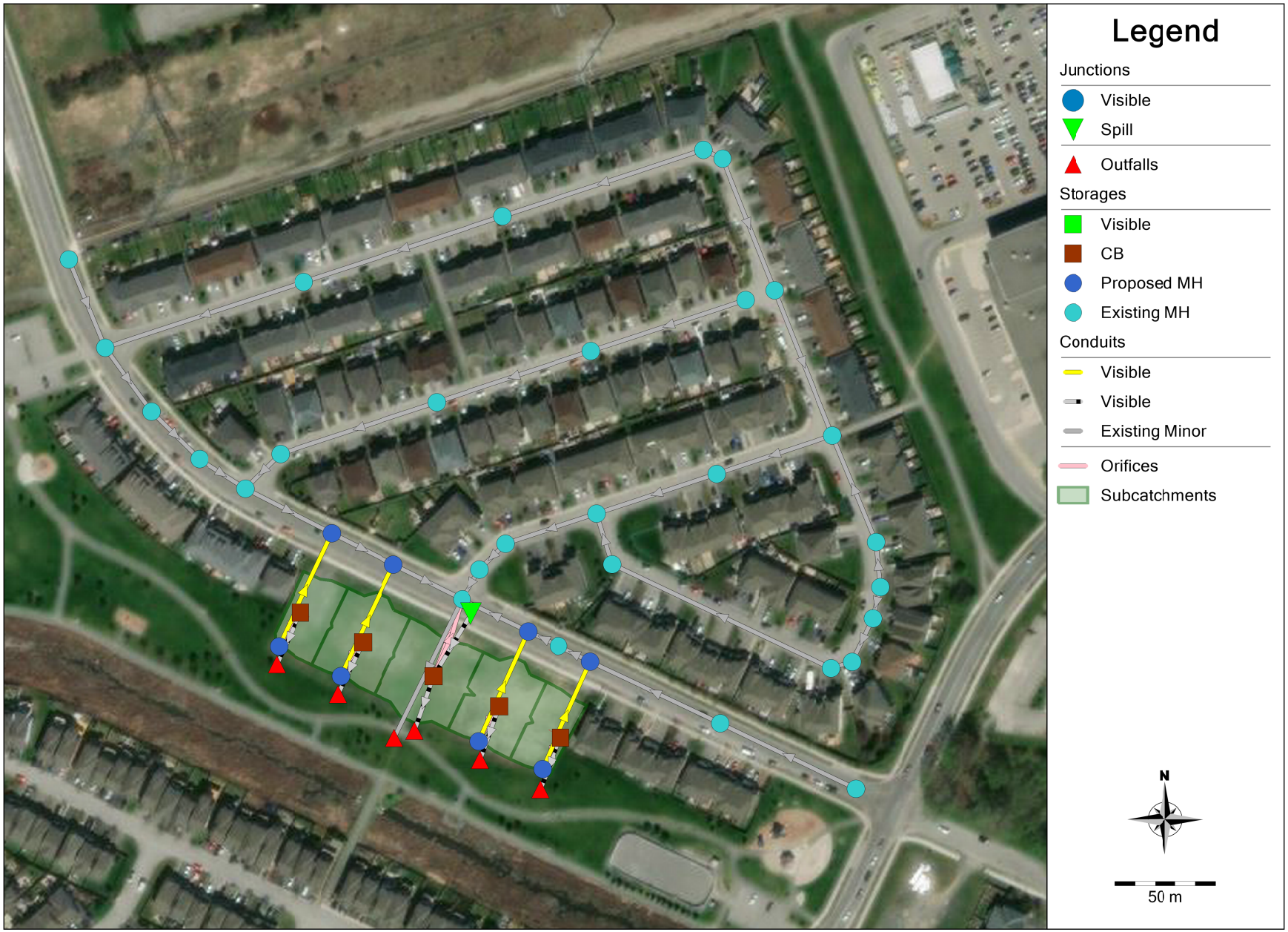
14:40	0	14:40	0	14:40	0	14:40	0
14:45	0	14:45	0	14:45	0	14:45	0
14:50	0	14:50	0	14:50	0	14:50	0
14:55	0	14:55	0	14:55	0	14:55	0
15:00	0	15:00	0	15:00	0	15:00	0
15:05	0	15:05	0	15:05	0	15:05	0
15:10	0	15:10	0	15:10	0	15:10	0
15:15	0	15:15	0	15:15	0	15:15	0
15:20	0	15:20	0	15:20	0	15:20	0
15:25	0	15:25	0	15:25	0	15:25	0
15:30	0	15:30	0	15:30	0	15:30	0
15:35	0	15:35	0	15:35	0	15:35	0
15:40	0	15:40	0	15:40	0	15:40	0
15:45	0	15:45	0	15:45	0	15:45	0
15:50	0	15:50	0	15:50	0	15:50	0
15:55	0	15:55	0	15:55	0	15:55	0
16:00	0	16:00	0	16:00	0	16:00	0
16:05	0	16:05	0	16:05	0	16:05	0
16:10	0	16:10	0	16:10	0	16:10	0
16:15	0	16:15	0	16:15	0	16:15	0
16:20	0	16:20	0	16:20	0	16:20	0
16:25	0	16:25	0	16:25	0	16:25	0
16:30	0	16:30	0	16:30	0	16:30	0
16:35	0	16:35	0	16:35	0	16:35	0
16:40	0	16:40	0	16:40	0	16:40	0
16:45	0	16:45	0	16:45	0	16:45	0
16:50	0	16:50	0	16:50	0	16:50	0
16:55	0	16:55	0	16:55	0	16:55	0
17:00	0	17:00	0	17:00	0	17:00	0
17:05	0	17:05	0	17:05	0	17:05	0
17:10	0	17:10	0	17:10	0	17:10	0
17:15	0	17:15	0	17:15	0	17:15	0
17:20	0	17:20	0	17:20	0	17:20	0
17:25	0	17:25	0	17:25	0	17:25	0
17:30	0	17:30	0	17:30	0	17:30	0
17:35	0	17:35	0	17:35	0	17:35	0
17:40	0	17:40	0	17:40	0	17:40	0
17:45	0	17:45	0	17:45	0	17:45	0
17:50	0	17:50	0	17:50	0	17:50	0
17:55	0	17:55	0	17:55	0	17:55	0
18:00	0	18:00	0	18:00	0	18:00	0
18:05	0	18:05	0	18:05	0	18:05	0
18:10	0	18:10	0	18:10	0	18:10	0
18:15	0	18:15	0	18:15	0	18:15	0
18:20	0	18:20	0	18:20	0	18:20	0
18:25	0	18:25	0	18:25	0	18:25	0
18:30	0	18:30	0	18:30	0	18:30	0
18:35	0	18:35	0	18:35	0	18:35	0
18:40	0	18:40	0	18:40	0	18:40	0
18:45	0	18:45	0	18:45	0	18:45	0
18:50	0	18:50	0	18:50	0	18:50	0
18:55	0	18:55	0	18:55	0	18:55	0
19:00	0	19:00	0	19:00	0	19:00	0
19:05	0	19:05	0	19:05	0	19:05	0
19:10	0	19:10	0	19:10	0	19:10	0
19:15	0	19:15	0	19:15	0	19:15	0
19:20	0	19:20	0	19:20	0	19:20	0
19:25	0	19:25	0	19:25	0	19:25	0
19:30	0	19:30	0	19:30	0	19:30	0
19:35	0	19:35	0	19:35	0	19:35	0
19:40	0	19:40	0	19:40	0	19:40	0
19:45	0	19:45	0	19:45	0	19:45	0
19:50	0	19:50	0	19:50	0	19:50	0
19:55	0	19:55	0	19:55	0	19:55	0
20:00	0	20:00	0	20:00	0	20:00	0
20:05	0	20:05	0	20:05	0	20:05	0
20:10	0	20:10	0	20:10	0	20:10	0
20:15	0	20:15	0	20:15	0	20:15	0
20:20	0	20:20	0	20:20	0	20:20	0
20:25	0	20:25	0	20:25	0	20:25	0
20:30	0	20:30	0	20:30	0	20:30	0
20:35	0	20:35	0	20:35	0	20:35	0

20:40	0	20:40	0	20:40	0	20:40	0
20:45	0	20:45	0	20:45	0	20:45	0
20:50	0	20:50	0	20:50	0	20:50	0
20:55	0	20:55	0	20:55	0	20:55	0
21:00	0	21:00	0	21:00	0	21:00	0
21:05	0	21:05	0	21:05	0	21:05	0
21:10	0	21:10	0	21:10	0	21:10	0
21:15	0	21:15	0	21:15	0	21:15	0
21:20	0	21:20	0	21:20	0	21:20	0
21:25	0	21:25	0	21:25	0	21:25	0
21:30	0	21:30	0	21:30	0	21:30	0
21:35	0	21:35	0	21:35	0	21:35	0
21:40	0	21:40	0	21:40	0	21:40	0
21:45	0	21:45	0	21:45	0	21:45	0
21:50	0	21:50	0	21:50	0	21:50	0
21:55	0	21:55	0	21:55	0	21:55	0
22:00	0	22:00	0	22:00	0	22:00	0
22:05	0	22:05	0	22:05	0	22:05	0
22:10	0	22:10	0	22:10	0	22:10	0
22:15	0	22:15	0	22:15	0	22:15	0
22:20	0	22:20	0	22:20	0	22:20	0
22:25	0	22:25	0	22:25	0	22:25	0
22:30	0	22:30	0	22:30	0	22:30	0
22:35	0	22:35	0	22:35	0	22:35	0
22:40	0	22:40	0	22:40	0	22:40	0
22:45	0	22:45	0	22:45	0	22:45	0
22:50	0	22:50	0	22:50	0	22:50	0
22:55	0	22:55	0	22:55	0	22:55	0
23:00	0	23:00	0	23:00	0	23:00	0
23:05	0	23:05	0	23:05	0	23:05	0
23:10	0	23:10	0	23:10	0	23:10	0
23:15	0	23:15	0	23:15	0	23:15	0
23:20	0	23:20	0	23:20	0	23:20	0
23:25	0	23:25	0	23:25	0	23:25	0
23:30	0	23:30	0	23:30	0	23:30	0
23:35	0	23:35	0	23:35	0	23:35	0
23:40	0	23:40	0	23:40	0	23:40	0
23:45	0	23:45	0	23:45	0	23:45	0
23:50	0	23:50	0	23:50	0	23:50	0
23:55	0	23:55	0	23:55	0	23:55	0
0:00	0	0:00	0	0:00	0	0:00	0
0:05	0	0:05	0	0:05	0	0:05	0
0:10	0	0:10	0	0:10	0	0:10	0
0:15	0	0:15	0	0:15	0	0:15	0
0:20	0	0:20	0	0:20	0	0:20	0
0:25	0	0:25	0	0:25	0	0:25	0
0:30	0	0:30	0	0:30	0	0:30	0
0:35	0	0:35	0	0:35	0	0:35	0
0:40	0	0:40	0	0:40	0	0:40	0
0:45	0	0:45	0	0:45	0	0:45	0
0:50	0	0:50	0	0:50	0	0:50	0
0:55	0	0:55	0	0:55	0	0:55	0

C.2 PCSWMM Data


Legend
Junctions
Visible
Spill
Outfalls
Storages
Visible
CB
Proposed MH
Existing MH
Conduits
Visible
Visible
Existing Minor
Orifices
Subcatchments
N
50 m

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

```
[TITLE]
;;Project Title/Notes
Akerson Road
Option 1: Increase allowable minor system discharge
HGL-2023-100yr: Subdivision HGL with current site design, 100-
year 3-hour design storm
v0: Conduit exit loss for site plan design only
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[OPTIONS]
;;Option             Value
FLOW_UNITS           CMS
INFILTRATION         HORTON
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           2/10/2023
START_TIME           00:00:00
REPORT_START_DATE    2/10/2023
REPORT_START_TIME    00:00:00
END_DATE             2/11/2023
END_TIME             00:00:00
SWEEP_START          1/1
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:01:00
WET_STEP             00:05:00
DRY_STEP             00:05:00
ROUTING_STEP         5
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              4

[EVAPORATION]
;;Data Source    Parameters
;;-------------- ----------------
CONSTANT         0.0
DRY_ONLY         NO

[RAINGAGES]
;;Name           Format    Interval SCF      Source
;;-------------- --------- -------- -------- ----------
August4_1988     INTENSITY 0:05     1.0      TIMESERIES
August4_1988
August8_1996     INTENSITY 0:05     1.0      TIMESERIES
August8_1996
Chicago_100yr_3h INTENSITY 0:10     1.0      TIMESERIES
Chicago_100yr_3h
Chicago_100yr+20%_3h INTENSITY 0:10     1.0      TIMESERIES
Chicago_100yr+20%_3h
Chicago_2yr_3h   INTENSITY 0:10     1.0      TIMESERIES
Chicago_2yr_3h
Chicago_5yr_3h   INTENSITY 0:10     1.0      TIMESERIES
Chicago_5yr_3h
July1_1979       INTENSITY 0:05     1.0      TIMESERIES
July1_1979
SCS_Type_II_100yr_103.2mm INTENSITY 0:10     1.0      TIMESERIES
SCS_Type_II_100yr_103.2mm

[SUBCATCHMENTS]
;;Name           Rain Gage        Outlet           Area
%Imperv  Width    %Slope   CurbLen  SnowPack
;;-------------- ---------------- ---------------- -------- -----
--- -------- -------- -------- ----------------
;0.77
C101A            Chicago_100yr_3h CB101A           0.088358 81.43
80       2        0
;0.80
C103A            Chicago_100yr_3h CB103A           0.14458  85.71
90       2        0
;0.80
C105A            Chicago_100yr_3h CB105A           0.144968 85.71
88       2        0
;0.75
C107A            Chicago_100yr_3h CB107A           0.091957 78.57
78       2        0
;0.77
C3029A           Chicago_100yr_3h CB3029A          0.170871 81.43
87       2        0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv
PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ----------
------ ---------- ----------
C101A            0.013      0.25       1.57       4.67       25
OUTLET
C103A            0.013      0.25       1.57       4.67       25
OUTLET
C105A            0.013      0.25       1.57       4.67       25
OUTLET
C107A            0.013      0.25       1.57       4.67       25
OUTLET
C3029A           0.013      0.25       1.57       4.67       25
OUTLET

[INFILTRATION]
;;Subcatchment   Param1     Param2     Param3     Param4
Param5
;;-------------- ---------- ---------- ---------- ----------
------
C101A            3          0.5        4          7          0
C103A            3          0.5        4          7          0
C105A            3          0.5        4          7          0
C107A            3          0.5        4          7          0
C3029A           3          0.5        4          7          0

[JUNCTIONS]
;;Name           Elevation  MaxDepth   InitDepth  SurDepth
Aponded
;;-------------- ---------- ---------- ---------- ----------
------
;major-overflow
3-29_spill       96.48      0.3        0          0          0

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated
Route To
;;-------------- ---------- ---------- ---------------- --------
----------------
3030-Bypass      93.15      FIXED      94.39            YES
OF1              96         FREE                        NO
OF2              96         FREE                        NO
OF3              96         FREE                        NO
OF4              96         FREE                        NO
OF5              96         FREE                        NO

[STORAGE]
;;Name           Elev.    MaxDepth   InitDepth  Shape      Curve
Name/Params            N/A      Fevap    Psi      Ksat     IMD
;;-------------- -------- ---------- ---------- ---------- ------
---------------------- -------- --------           -------- ------
--
3001             94.45    3.05       0          FUNCTIONAL 0
0        1.13    0        0
3002             94.18    3.02       0          FUNCTIONAL 0
0        1.13    0        0
3003             93.94    2.91       0          FUNCTIONAL 0
0        1.13    0        0
3004             94.04    2.86       0          FUNCTIONAL 0
0        1.13    0        0
3005             93.65    3.25       0          FUNCTIONAL 0
0        1.13    0        0
3006             93.54    3.06       0          FUNCTIONAL 0
0        1.13    0        0
3007             93.5     3.15       0          FUNCTIONAL 0
0        1.13    0        0
3008             94.32    2.98       0          FUNCTIONAL 0
0        1.13    0        0
3009             94.08    2.72       0          FUNCTIONAL 0
0        1.13    0        0
3010             93.87    3.03       0          FUNCTIONAL 0
0        1.13    0        0
3011             93.73    2.97       0          FUNCTIONAL 0
0        1.13    0        0
;1.03
3012             93.4     3.35       0          FUNCTIONAL 0
0        1.13    0        0
3013             94.57    2.93       0          FUNCTIONAL 0
0        1.13    0        0
3014             94.18    3.27       0          FUNCTIONAL 0
0        1.13    0        0
3015             94.32    2.78       0          FUNCTIONAL 0
0        1.13    0        0
3016             94.21    3.04       0          FUNCTIONAL 0
0        1.13    0        0
3017             93.92    3.28       0          FUNCTIONAL 0
0        1.13    0        0
3018             94.27    2.83       0          FUNCTIONAL 0
0        1.13    0        0
3019             94.18    3.02       0          FUNCTIONAL 0
0        1.13    0        0
3020             94       3.2        0          FUNCTIONAL 0
0        1.13    0        0
3021             93.78    3.02       0          FUNCTIONAL 0
0        1.13    0        0
3022             93.75    3.05       0          FUNCTIONAL 0
0        1.13    0        0
3023             93.44    3.36       0          FUNCTIONAL 0
0        1.13    0        0
3024             93.36    3.39       0          FUNCTIONAL 0
0        1.13    0        0
```

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

```
3025            93.32    3.18       0          FUNCTIONAL 0
0         1.13     0        0
3026            93.9     2.55       0          FUNCTIONAL 0
0         1.13     0        0
;0.74
3027            93.71    3.45       0          FUNCTIONAL 0
0         1.13     0        0
;0.86
3028            93.59    3.35       0          FUNCTIONAL 0
0         1.13     0        0
;1.2
3029            93.22    3.31       0          FUNCTIONAL 0
0         1.13     0        0
;T/G - 96.53
CB101A          95.33    1.47       0          TABULAR    Curve5
0         0
;T/G - 96.34
CB103A          95.14    1.47       0          TABULAR    Curve4
0         0
;T/G - 96.24
CB105A          95.04    1.48       0          TABULAR    Curve2
0         0
;T/G - 96.20
CB107A          95       1.48       0          TABULAR    Curve1
0         0
;T/G - 96.21
CB3029A         95.01    1.61       0          TABULAR    Curve3
0         0
;0.81
STM100          93.61    3.06       0          FUNCTIONAL 0
0         1.13     0        0
STM101          94.93    1.72       0          FUNCTIONAL 0
0         1.13     0        0
;0.87
STM102          93.57    3.05       0          FUNCTIONAL 0
0         1.13     0        0
STM103          94.88    1.59       0          FUNCTIONAL 0
0         1.13     0        0
;1.12
STM104          93.32    3.1        0          FUNCTIONAL 0
0         1.13     0        0
STM105          94.78    1.6        0          FUNCTIONAL 0
0         1.13     0        0
;1.08
STM106          93.35    2.98       0          FUNCTIONAL 0
0         1.13     0        0
STM107          94.57    1.76       0          FUNCTIONAL 0
0         1.13     0        0

[CONDUITS]
;;Name           From Node        To Node          Length
Roughness  InOffset   OutOffset  InitFlow   MaxFlow
;;-------------- ---------------- ---------------- ---------- ---
------- --------- ---------- ---------- ----------
C1              STM101           STM100           57.829
0.013      94.93      94.73      0          0
C10             CB101A           OF5              27.329
0.013      96.7       96         0          0
C2              3-29_spill       CB3029A          35.813
0.01       96.48      96.32      0          0
C3              STM103           STM102           58.972
0.013      94.88      94.68      0          0
C4              STM105           STM104           60.396
0.013      94.78      94.57      0          0
C5              STM107           STM106           61.31
0.013      94.57      94.36      0          0
C6              CB107A           OF1              27.928
0.013      96.38      96         0          0
C7              CB105A           OF2              28.281
0.013      96.42      96         0          0
C8              CB3029A          OF3              28.322
0.013      96.32      96         0          0
C9              CB103A           OF4              27.983
0.013      96.51      96         0          0
L1              3004             3005             46.892
0.013      94.04      93.95      0          0
L11             3018             3019             23.652
0.013      94.27      94.21      0          0
L12             3019             3020             10.673
0.013      94.18      94.15      0          0
L13             3020             3021             119.187
0.013      94         93.81      0          0
L15             3022             3023             62.119
0.013      93.75      93.67      0          0
L16             3021             3023             26.094
0.013      93.78      93.74      0          0
L17             3008             3009             80.184
0.013      94.32      94.16      0          0
L18             3009             3010             80.005
0.013      94.08      93.95      0          0
L19             3010             3011             81.167
0.013      93.87      93.76      0          0
L2              3001             3002             104.025
0.013      94.45      94.25      0          0
L20             3011             3012             24.126
0.013      93.73      93.7       0          0
L24             3029             3030-Bypass      75.703
0.013      93.22      93.2       0          0
L25             3026             3027             74.108
0.013      93.9       93.78      0          0
L26-1           3027             STM100           70.681
0.013      93.71      93.61      0          0
L26-2           STM100           3028             17.46
0.013      93.61      93.59      0          0
L27-1           3028             STM102           16.544
0.013      93.59      93.57      0          0
L27-2           STM102           3029             36.18
0.013      93.57      93.52      0          0
L28             3023             3024             47.22
0.013      93.44      93.39      0          0
L29             3024             3025             17.966
0.013      93.36      93.35      0          0
L3              3002             3003             103.007
0.013      94.18      94.01      0          0
L30             3025             3029             17.024
0.013      93.32      93.3       0          0
L32             3017             3022             60.004
0.013      93.92      93.82      0          0
L33             3015             3018             15.807
0.013      94.43      94.37      0          0
L34             3015             3016             22.178
0.013      94.32      94.24      0          0
L35             3016             3017             56.427
0.013      94.21      94.07      0          0
L36             3005             3006             38.678
0.013      93.65      93.61      0          0
L37             3006             3007             33.048
0.013      93.54      93.5       0          0
L38             3007             3012             27.059
0.013      93.5       93.48      0          0
L39-1           3012             STM106           47.847
0.013      93.4       93.35      0          0
L39-2           STM106           STM104           34.017
0.013      93.35      93.32      0          0
L39-3           STM104           3029             37.84
0.013      93.32      93.28      0          0
L4              3003             3005             103.009
0.013      93.94      93.8       0          0
L5              3001             3013             10.363
0.013      94.64      94.6       0          0
L6              3013             3014             69.522
0.013      94.57      94.33      0          0
L7              3014             3017             76.651
0.013      94.18      93.99      0          0

[ORIFICES]
;;Name           From Node        To Node          Type
Offset     Qcoeff     Gated    CloseTime
;;-------------- ---------------- ---------------- ------------ -
---------- ---------- -------- ----------
CB-101A-1       CB101A           STM101           SIDE
95.33      0.572      NO       0
CB-101A-2       CB101A           STM101           SIDE
95.33      0.572      NO       0
CB-103A-1       CB103A           STM103           SIDE
95.14      0.572      NO       0
CB-103A-2       CB103A           STM103           SIDE
95.14      0.572      NO       0
CB-105A-1       CB105A           STM105           SIDE
95.04      0.572      NO       0
CB-105A-2       CB105A           STM105           SIDE
95.04      0.572      NO       0
CB-107A-1       CB107A           STM107           SIDE
95         0.572      NO       0
CB-107A-2       CB107A           STM107           SIDE
95         0.572      NO       0
CB-3029A-1      CB3029A          3029             SIDE
95.01      0.572      NO       0
CB-3029A-2      CB3029A          3029             SIDE
95.01      0.572      NO       0

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3
Geom4      Barrels    Culvert
;;-------------- ------------ ---------------- ---------- -------
--- ---------- ---------- ----------
C1              CIRCULAR     0.3              0          0
0          1
C10             IRREGULAR    18mROW           0          0
0          1
C2              IRREGULAR    18mROW           0          0
0          1
C3              CIRCULAR     0.3              0          0
0          1
C4              CIRCULAR     0.3              0          0
0          1
C5              CIRCULAR     0.3              0          0
0          1
C6              IRREGULAR    18mROW           0          0
0          1
C7              IRREGULAR    18mROW           0          0
0          1
C8              IRREGULAR    18mROW           0          0
0          1
C9              IRREGULAR    18mROW           0          0
0          1
L1              CIRCULAR     0.45             0          0
0          1
L11             CIRCULAR     0.375            0          0
0          1
L12             CIRCULAR     0.375            0          0
0          1
L13             CIRCULAR     0.525            0          0
0          1
L15             CIRCULAR     0.6              0          0
0          1
L16             CIRCULAR     0.525            0          0
0          1
L17             CIRCULAR     0.45             0          0
0          1
L18             CIRCULAR     0.525            0          0
0          1
L19             CIRCULAR     0.6              0          0
0          1
L2              CIRCULAR     0.45             0          0
0          1
```

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

```
L20              CIRCULAR     0.6              0          0
0          1
L24              RECT_CLOSED  0.9              1.8        0
0          1
L25              CIRCULAR     0.525            0          0
0          1
L26-1            CIRCULAR     0.6              0          0
0          1
L26-2            CIRCULAR     0.6              0          0
0          1
L27-1            CIRCULAR     0.6              0          0
0          1
L27-2            CIRCULAR     0.6              0          0
0          1
L28              CIRCULAR     0.825            0          0
0          1
L29              CIRCULAR     0.825            0          0
0          1
L3               CIRCULAR     0.525            0          0
0          1
L30              CIRCULAR     0.825            0          0
0          1
L32              CIRCULAR     0.525            0          0
0          1
L33              CIRCULAR     0.3              0          0
0          1
L34              CIRCULAR     0.375            0          0
0          1
L35              CIRCULAR     0.375            0          0
0          1
L36              CIRCULAR     0.75             0          0
0          1
L37              CIRCULAR     0.825            0          0
0          1
L38              CIRCULAR     0.825            0          0
0          1
L39-1            RECT_CLOSED  0.9              1.8        0
0          1
L39-2            RECT_CLOSED  0.9              1.8        0
0          1
L39-3            RECT_CLOSED  0.9              1.8        0
0          1
L4               CIRCULAR     0.6              0          0
0          1
L5               CIRCULAR     0.3              0          0
0          1
L6               CIRCULAR     0.3              0          0
0          1
L7               CIRCULAR     0.45             0          0
0          1
CB-101A-1        CIRCULAR     0.083            0          0
0
CB-101A-2        CIRCULAR     0.083            0          0
0
CB-103A-1        CIRCULAR     0.102            0          0
0
CB-103A-2        CIRCULAR     0.102            0          0
0
CB-105A-1        CIRCULAR     0.102            0          0
0
CB-105A-2        CIRCULAR     0.102            0          0
0
CB-107A-1        CIRCULAR     0.083            0          0
0
CB-107A-2        CIRCULAR     0.083            0          0
0
CB-3029A-1       CIRCULAR     0.127            0          0
0
CB-3029A-2       CIRCULAR     0.102            0          0
0

[TRANSECTS]
;;Transect Data in HEC-2 format
;
NC 0.025    0.025    0.013
X1 18mROW            7        4.75     13.25    0.0      0.0
0.0      0.0      0.0
GR 0.3      0        0.15     4.75     0        4.75     0.13
9        0        13.25
GR 0.15     13.25    0.3      18

[LOSSES]
;;Link           Kentry     Kexit      Kavg       Flap Gate
Seepage
;;-------------- ---------- ---------- ---------- ---------- ----
------
C1               0          1.344      0          NO         0
C3               0          1.344      0          NO         0
C4               0          1.344      0          NO         0
C5               0          1.344      0          NO         0

[INFLOWS]
;;Node           Constituent      Time Series      Type
Mfactor  Sfactor  Baseline Pattern
;;-------------- ---------------- ---------------- -------- -----
--- -------- -------- --------
3-29_spill       FLOW             3029(3-29spill)  FLOW     1.0
1
3001             FLOW             3001             FLOW     1.0
1        0
3002             FLOW             3002             FLOW     1.0
1        0
3003             FLOW             3003             FLOW     1.0
1        0
3004             FLOW             3004             FLOW     1.0
1        0
3005             FLOW             3005             FLOW     1.0
1        0
3006             FLOW             3006             FLOW     1.0
1        0
3008             FLOW             3008             FLOW     1.0
1        0
3009             FLOW             3009             FLOW     1.0
1        0
3010             FLOW             3010             FLOW     1.0
1        0
3011             FLOW             3011             FLOW     1.0
1        0
3012             FLOW             3012             FLOW     1.0
1        0
3014             FLOW             3014             FLOW     1.0
1        0
3015             FLOW             3015(combined)   FLOW     1.0
1        0
3017             FLOW             3017             FLOW     1.0
1        0
3020             FLOW             3020             FLOW     1.0
1        0
3021             FLOW             3021             FLOW     1.0
1        0
3022             FLOW             3022             FLOW     1.0
1        0
3023             FLOW             3023             FLOW     1.0
1        0
3024             FLOW             3024             FLOW     1.0
1        0
3026             FLOW             3026             FLOW     1.0
1        0
3027             FLOW             3027             FLOW     1.0
1        0
3028             FLOW             3028             FLOW     1.0
1        0
3029             FLOW             3029(3-29minor)  FLOW     1.0
1        0

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
101capture       Rating     0          0
101capture                  1.2        0.026
101capture                  1.37       0.026
101capture                  1.47       0.026

103capture       Rating     0          0
103capture                  1.2        0.042
103capture                  1.37       0.042
103capture                  1.47       0.042

105capture       Rating     0          0
105capture                  1.2        0.042
105capture                  1.38       0.042
105capture                  1.48       0.042

107capture       Rating     0          0
107capture                  1.2        0.028
107capture                  1.38       0.028
107capture                  1.48       0.028

3029Acapture     Rating     0          0
3029Acapture                1.2        0.05
3029Acapture                1.31       0.05
3029Acapture                1.41       0.05

Curve1           Storage    0          0
Curve1                      1.2        0
Curve1                      1.38       233

Curve2           Storage    0          0
Curve2                      1.2        0
Curve2                      1.38       338.7

Curve3           Storage    0          0
Curve3                      1.2        0
Curve3                      1.31       194.7

Curve4           Storage    0          0
Curve4                      1.2        0
Curve4                      1.37       245.2

Curve5           Storage    0          0
Curve5                      1.2        0
Curve5                      1.37       258.1

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
3001                        0:0        0
3001                        0:05       0
3001                        0:10       0
3001                        0:15       0
3001                        0:20       0
3001                        0:25       0
3001                        0:30       0.001
3001                        0:35       0.002
3001                        0:40       0.004
3001                        0:45       0.008
3001                        0:50       0.016
3001                        0:55       0.042
3001                        1:00       0.064
3001                        1:05       0.064
3001                        1:10       0.064
3001                        1:15       0.064
3001                        1:20       0.064
3001                        1:25       0.063
3001                        1:30       0.061
3001                        1:35       0.059
3001                        1:40       0.056
```

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Design Storm: 100 Year 3-hour Chicago Storm

3001	1:45	0.051	3001	10:50	0.001
3001	1:50	0.045	3001	10:55	0.001
3001	1:55	0.041	3001	11:00	0.001
3001	2:00	0.037	3001	11:05	0.001
3001	2:05	0.033	3001	11:10	0.001
3001	2:10	0.03	3001	11:15	0.001
3001	2:15	0.027	3001	11:20	0.001
3001	2:20	0.024	3001	11:25	0.001
3001	2:25	0.022	3001	11:30	0.001
3001	2:30	0.02	3001	11:35	0.001
3001	2:35	0.018	3001	11:40	0.001
3001	2:40	0.016	3001	11:45	0.001
3001	2:45	0.015	3001	11:50	0.001
3001	2:50	0.014	3001	11:55	0.001
3001	2:55	0.013	3001	12:00	0.001
3001	3:00	0.012	3001	12:05	0.001
3001	3:05	0.012	3001	12:10	0.001
3001	3:10	0.011	3001	12:15	0.001
3001	3:15	0.01	3001	12:20	0.001
3001	3:20	0.009	3001	12:25	0.001
3001	3:25	0.008	3001	12:30	0.001
3001	3:30	0.008	3001	12:35	0.001
3001	3:35	0.007	3001	12:40	0.001
3001	3:40	0.006	3001	12:45	0.001
3001	3:45	0.006	3001	12:50	0.001
3001	3:50	0.005	3001	12:55	0.001
3001	3:55	0.005	3001	13:00	0.001
3001	4:00	0.005	3001	13:05	0.001
3001	4:05	0.004	3001	13:10	0.001
3001	4:10	0.004	3001	13:15	0.001
3001	4:15	0.004	3001	13:20	0.001
3001	4:20	0.004	3001	13:25	0.001
3001	4:25	0.003	3001	13:30	0.001
3001	4:30	0.003	3001	13:35	0.001
3001	4:35	0.003	3001	13:40	0.001
3001	4:40	0.003	3001	13:45	0.001
3001	4:45	0.003	3001	13:50	0.001
3001	4:50	0.003	3001	13:55	0.001
3001	4:55	0.003	3001	14:00	0.001
3001	5:00	0.002	3001	14:05	0.001
3001	5:05	0.002	3001	14:10	0.001
3001	5:10	0.002	3001	14:15	0.001
3001	5:15	0.002	3001	14:20	0.001
3001	5:20	0.002	3001	14:25	0.001
3001	5:25	0.002	3001	14:30	0.001
3001	5:30	0.002	3001	14:35	0.001
3001	5:35	0.002	3001	14:40	0.001
3001	5:40	0.002	3001	14:45	0.001
3001	5:45	0.002	3001	14:50	0.001
3001	5:50	0.002	3001	14:55	0.001
3001	5:55	0.002	3001	15:00	0.001
3001	6:00	0.002	3001	15:05	0.001
3001	6:05	0.002	3001	15:10	0.001
3001	6:10	0.002	3001	15:15	0.001
3001	6:15	0.002	3001	15:20	0.001
3001	6:20	0.002	3001	15:25	0.001
3001	6:25	0.002	3001	15:30	0.001
3001	6:30	0.002	3001	15:35	0.001
3001	6:35	0.002	3001	15:40	0
3001	6:40	0.001	3001	15:45	0
3001	6:45	0.001	3001	15:50	0
3001	6:50	0.001	3001	15:55	0
3001	6:55	0.001	3001	16:00	0
3001	7:00	0.001	3001	16:05	0
3001	7:05	0.001	3001	16:10	0
3001	7:10	0.001	3001	16:15	0
3001	7:15	0.001	3001	16:20	0
3001	7:20	0.001	3001	16:25	0
3001	7:25	0.001	3001	16:30	0
3001	7:30	0.001	3001	16:35	0
3001	7:35	0.001	3001	16:40	0
3001	7:40	0.001	3001	16:45	0
3001	7:45	0.001	3001	16:50	0
3001	7:50	0.001	3001	16:55	0
3001	7:55	0.001	3001	17:00	0
3001	8:00	0.001	3001	17:05	0
3001	8:05	0.001	3001	17:10	0
3001	8:10	0.001	3001	17:15	0
3001	8:15	0.001	3001	17:20	0
3001	8:20	0.001	3001	17:25	0
3001	8:25	0.001	3001	17:30	0
3001	8:30	0.001	3001	17:35	0
3001	8:35	0.001	3001	17:40	0
3001	8:40	0.001	3001	17:45	0
3001	8:45	0.001	3001	17:50	0
3001	8:50	0.001	3001	17:55	0
3001	8:55	0.001	3001	18:00	0
3001	9:00	0.001	3001	18:05	0
3001	9:05	0.001	3001	18:10	0
3001	9:10	0.001	3001	18:15	0
3001	9:15	0.001	3001	18:20	0
3001	9:20	0.001	3001	18:25	0
3001	9:25	0.001	3001	18:30	0
3001	9:30	0.001	3001	18:35	0
3001	9:35	0.001	3001	18:40	0
3001	9:40	0.001	3001	18:45	0
3001	9:45	0.001	3001	18:50	0
3001	9:50	0.001	3001	18:55	0
3001	9:55	0.001	3001	19:00	0
3001	10:00	0.001	3001	19:05	0
3001	10:05	0.001	3001	19:10	0
3001	10:10	0.001	3001	19:15	0
3001	10:15	0.001	3001	19:20	0
3001	10:20	0.001	3001	19:25	0
3001	10:25	0.001	3001	19:30	0
3001	10:30	0.001	3001	19:35	0
3001	10:35	0.001	3001	19:40	0
3001	10:40	0.001	3001	19:45	0
3001	10:45	0.001	3001	19:50	0

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3001	19:55	0
3001	20:00	0
3001	20:05	0
3001	20:10	0
3001	20:15	0
3001	20:20	0
3001	20:25	0
3001	20:30	0
3001	20:35	0
3001	20:40	0
3001	20:45	0
3001	20:50	0
3001	20:55	0
3001	21:00	0
3001	21:05	0
3001	21:10	0
3001	21:15	0
3001	21:20	0
3001	21:25	0
3001	21:30	0
3001	21:35	0
3001	21:40	0
3001	21:45	0
3001	21:50	0
3001	21:55	0
3001	22:00	0
3001	22:05	0
3001	22:10	0
3001	22:15	0
3001	22:20	0
3001	22:25	0
3001	22:30	0
3001	22:35	0
3001	22:40	0
3001	22:45	0
3001	22:50	0
3001	22:55	0
3001	23:00	0
3001	23:05	0
3001	23:10	0
3001	23:15	0
3001	23:20	0
3001	23:25	0
3001	23:30	0
3001	23:35	0
3001	23:40	0
3001	23:45	0
3001	23:50	0
3001	23:55	0
3002	0:00	0
3002	0:05	0
3002	0:10	0
3002	0:15	0
3002	0:20	0
3002	0:25	0
3002	0:30	0.001
3002	0:35	0.001
3002	0:40	0.001
3002	0:45	0.003
3002	0:50	0.002
3002	0:55	0.019
3002	1:00	0.021
3002	1:05	0.021
3002	1:10	0.021
3002	1:15	0.021
3002	1:20	0.021
3002	1:25	0.021
3002	1:30	0.021
3002	1:35	0.017
3002	1:40	0.013
3002	1:45	0.008
3002	1:50	0.006
3002	1:55	0.005
3002	2:00	0.004
3002	2:05	0.003
3002	2:10	0.003
3002	2:15	0.003
3002	2:20	0.002
3002	2:25	0.002
3002	2:30	0.002
3002	2:35	0.002
3002	2:40	0.002
3002	2:45	0.002
3002	2:50	0.001
3002	2:55	0.001
3002	3:00	0.002
3002	3:05	0.002
3002	3:10	0.002
3002	3:15	0.001
3002	3:20	0.001
3002	3:25	0.001
3002	3:30	0.001
3002	3:35	0.001
3002	3:40	0.001
3002	3:45	0.001
3002	3:50	0.001
3002	3:55	0.001
3002	4:00	0.001
3002	4:05	0.001
3002	4:10	0.001
3002	4:15	0.001
3002	4:20	0.001
3002	4:25	0.001
3002	4:30	0.001
3002	4:35	0.001
3002	4:40	0.001
3002	4:45	0.001
3002	4:50	0.001
3002	4:55	0.001
3002	5:00	0.001
3002	5:05	0.001
3002	5:10	0.001
3002	5:15	0.001
3002	5:20	0.001
3002	5:25	0.001
3002	5:30	0.001
3002	5:35	0
3002	5:40	0
3002	5:45	0
3002	5:50	0
3002	5:55	0
3002	6:00	0
3002	6:05	0
3002	6:10	0
3002	6:15	0
3002	6:20	0
3002	6:25	0
3002	6:30	0
3002	6:35	0
3002	6:40	0
3002	6:45	0
3002	6:50	0
3002	6:55	0
3002	7:00	0
3002	7:05	0
3002	7:10	0
3002	7:15	0
3002	7:20	0
3002	7:25	0
3002	7:30	0
3002	7:35	0
3002	7:40	0
3002	7:45	0
3002	7:50	0
3002	7:55	0
3002	8:00	0
3002	8:05	0
3002	8:10	0
3002	8:15	0
3002	8:20	0
3002	8:25	0
3002	8:30	0
3002	8:35	0
3002	8:40	0
3002	8:45	0
3002	8:50	0
3002	8:55	0
3002	9:00	0
3002	9:05	0
3002	9:10	0
3002	9:15	0
3002	9:20	0
3002	9:25	0
3002	9:30	0
3002	9:35	0
3002	9:40	0
3002	9:45	0
3002	9:50	0
3002	9:55	0
3002	10:00	0
3002	10:05	0
3002	10:10	0
3002	10:15	0
3002	10:20	0
3002	10:25	0
3002	10:30	0
3002	10:35	0
3002	10:40	0
3002	10:45	0
3002	10:50	0
3002	10:55	0
3002	11:00	0
3002	11:05	0
3002	11:10	0
3002	11:15	0
3002	11:20	0
3002	11:25	0
3002	11:30	0
3002	11:35	0
3002	11:40	0
3002	11:45	0
3002	11:50	0
3002	11:55	0
3002	12:00	0
3002	12:05	0
3002	12:10	0
3002	12:15	0
3002	12:20	0
3002	12:25	0
3002	12:30	0
3002	12:35	0
3002	12:40	0
3002	12:45	0
3002	12:50	0
3002	12:55	0
3002	13:00	0
3002	13:05	0
3002	13:10	0
3002	13:15	0
3002	13:20	0
3002	13:25	0
3002	13:30	0
3002	13:35	0
3002	13:40	0
3002	13:45	0
3002	13:50	0
3002	13:55	0

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3002	14:00	0	3002	23:05	0
3002	14:05	0	3002	23:10	0
3002	14:10	0	3002	23:15	0
3002	14:15	0	3002	23:20	0
3002	14:20	0	3002	23:25	0
3002	14:25	0	3002	23:30	0
3002	14:30	0	3002	23:35	0
3002	14:35	0	3002	23:40	0
3002	14:40	0	3002	23:45	0
3002	14:45	0	3002	23:50	0
3002	14:50	0	3002	23:55	0
3002	14:55	0			
3002	15:00	0	3003	0:00	0
3002	15:05	0	3003	0:05	0
3002	15:10	0	3003	0:10	0
3002	15:15	0	3003	0:15	0
3002	15:20	0	3003	0:20	0
3002	15:25	0	3003	0:25	0
3002	15:30	0	3003	0:30	0.001
3002	15:35	0	3003	0:35	0.003
3002	15:40	0	3003	0:40	0.006
3002	15:45	0	3003	0:45	0.011
3002	15:50	0	3003	0:50	0.028
3002	15:55	0	3003	0:55	0.053
3002	16:00	0	3003	1:00	0.064
3002	16:05	0	3003	1:05	0.06
3002	16:10	0	3003	1:10	0.054
3002	16:15	0	3003	1:15	0.051
3002	16:20	0	3003	1:20	0.049
3002	16:25	0	3003	1:25	0.047
3002	16:30	0	3003	1:30	0.045
3002	16:35	0	3003	1:35	0.042
3002	16:40	0	3003	1:40	0.038
3002	16:45	0	3003	1:45	0.035
3002	16:50	0	3003	1:50	0.032
3002	16:55	0	3003	1:55	0.03
3002	17:00	0	3003	2:00	0.027
3002	17:05	0	3003	2:05	0.025
3002	17:10	0	3003	2:10	0.023
3002	17:15	0	3003	2:15	0.021
3002	17:20	0	3003	2:20	0.019
3002	17:25	0	3003	2:25	0.017
3002	17:30	0	3003	2:30	0.016
3002	17:35	0	3003	2:35	0.015
3002	17:40	0	3003	2:40	0.013
3002	17:45	0	3003	2:45	0.012
3002	17:50	0	3003	2:50	0.012
3002	17:55	0	3003	2:55	0.011
3002	18:00	0	3003	3:00	0.01
3002	18:05	0	3003	3:05	0.01
3002	18:10	0	3003	3:10	0.009
3002	18:15	0	3003	3:15	0.008
3002	18:20	0	3003	3:20	0.008
3002	18:25	0	3003	3:25	0.007
3002	18:30	0	3003	3:30	0.006
3002	18:35	0	3003	3:35	0.006
3002	18:40	0	3003	3:40	0.005
3002	18:45	0	3003	3:45	0.005
3002	18:50	0	3003	3:50	0.004
3002	18:55	0	3003	3:55	0.004
3002	19:00	0	3003	4:00	0.004
3002	19:05	0	3003	4:05	0.003
3002	19:10	0	3003	4:10	0.003
3002	19:15	0	3003	4:15	0.003
3002	19:20	0	3003	4:20	0.003
3002	19:25	0	3003	4:25	0.002
3002	19:30	0	3003	4:30	0.002
3002	19:35	0	3003	4:35	0.002
3002	19:40	0	3003	4:40	0.002
3002	19:45	0	3003	4:45	0.002
3002	19:50	0	3003	4:50	0.002
3002	19:55	0	3003	4:55	0.002
3002	20:00	0	3003	5:00	0.002
3002	20:05	0	3003	5:05	0.002
3002	20:10	0	3003	5:10	0.002
3002	20:15	0	3003	5:15	0.001
3002	20:20	0	3003	5:20	0.001
3002	20:25	0	3003	5:25	0.001
3002	20:30	0	3003	5:30	0.001
3002	20:35	0	3003	5:35	0.001
3002	20:40	0	3003	5:40	0.001
3002	20:45	0	3003	5:45	0.001
3002	20:50	0	3003	5:50	0.001
3002	20:55	0	3003	5:55	0.001
3002	21:00	0	3003	6:00	0.001
3002	21:05	0	3003	6:05	0.001
3002	21:10	0	3003	6:10	0.001
3002	21:15	0	3003	6:15	0.001
3002	21:20	0	3003	6:20	0.001
3002	21:25	0	3003	6:25	0.001
3002	21:30	0	3003	6:30	0.001
3002	21:35	0	3003	6:35	0.001
3002	21:40	0	3003	6:40	0.001
3002	21:45	0	3003	6:45	0.001
3002	21:50	0	3003	6:50	0.001
3002	21:55	0	3003	6:55	0.001
3002	22:00	0	3003	7:00	0.001
3002	22:05	0	3003	7:05	0.001
3002	22:10	0	3003	7:10	0.001
3002	22:15	0	3003	7:15	0.001
3002	22:20	0	3003	7:20	0.001
3002	22:25	0	3003	7:25	0.001
3002	22:30	0	3003	7:30	0.001
3002	22:35	0	3003	7:35	0.001
3002	22:40	0	3003	7:40	0.001
3002	22:45	0	3003	7:45	0.001
3002	22:50	0	3003	7:50	0.001
3002	22:55	0	3003	7:55	0.001
3002	23:00	0	3003	8:00	0.001

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3003	8:05	0.001	3003	17:10	0
3003	8:10	0.001	3003	17:15	0
3003	8:15	0.001	3003	17:20	0
3003	8:20	0.001	3003	17:25	0
3003	8:25	0.001	3003	17:30	0
3003	8:30	0.001	3003	17:35	0
3003	8:35	0.001	3003	17:40	0
3003	8:40	0.001	3003	17:45	0
3003	8:45	0.001	3003	17:50	0
3003	8:50	0.001	3003	17:55	0
3003	8:55	0.001	3003	18:00	0
3003	9:00	0.001	3003	18:05	0
3003	9:05	0.001	3003	18:10	0
3003	9:10	0.001	3003	18:15	0
3003	9:15	0.001	3003	18:20	0
3003	9:20	0.001	3003	18:25	0
3003	9:25	0.001	3003	18:30	0
3003	9:30	0.001	3003	18:35	0
3003	9:35	0.001	3003	18:40	0
3003	9:40	0.001	3003	18:45	0
3003	9:45	0	3003	18:50	0
3003	9:50	0	3003	18:55	0
3003	9:55	0	3003	19:00	0
3003	10:00	0	3003	19:05	0
3003	10:05	0	3003	19:10	0
3003	10:10	0	3003	19:15	0
3003	10:15	0	3003	19:20	0
3003	10:20	0	3003	19:25	0
3003	10:25	0	3003	19:30	0
3003	10:30	0	3003	19:35	0
3003	10:35	0	3003	19:40	0
3003	10:40	0	3003	19:45	0
3003	10:45	0	3003	19:50	0
3003	10:50	0	3003	19:55	0
3003	10:55	0	3003	20:00	0
3003	11:00	0	3003	20:05	0
3003	11:05	0	3003	20:10	0
3003	11:10	0	3003	20:15	0
3003	11:15	0	3003	20:20	0
3003	11:20	0	3003	20:25	0
3003	11:25	0	3003	20:30	0
3003	11:30	0	3003	20:35	0
3003	11:35	0	3003	20:40	0
3003	11:40	0	3003	20:45	0
3003	11:45	0	3003	20:50	0
3003	11:50	0	3003	20:55	0
3003	11:55	0	3003	21:00	0
3003	12:00	0	3003	21:05	0
3003	12:05	0	3003	21:10	0
3003	12:10	0	3003	21:15	0
3003	12:15	0	3003	21:20	0
3003	12:20	0	3003	21:25	0
3003	12:25	0	3003	21:30	0
3003	12:30	0	3003	21:35	0
3003	12:35	0	3003	21:40	0
3003	12:40	0	3003	21:45	0
3003	12:45	0	3003	21:50	0
3003	12:50	0	3003	21:55	0
3003	12:55	0	3003	22:00	0
3003	13:00	0	3003	22:05	0
3003	13:05	0	3003	22:10	0
3003	13:10	0	3003	22:15	0
3003	13:15	0	3003	22:20	0
3003	13:20	0	3003	22:25	0
3003	13:25	0	3003	22:30	0
3003	13:30	0	3003	22:35	0
3003	13:35	0	3003	22:40	0
3003	13:40	0	3003	22:45	0
3003	13:45	0	3003	22:50	0
3003	13:50	0	3003	22:55	0
3003	13:55	0	3003	23:00	0
3003	14:00	0	3003	23:05	0
3003	14:05	0	3003	23:10	0
3003	14:10	0	3003	23:15	0
3003	14:15	0	3003	23:20	0
3003	14:20	0	3003	23:25	0
3003	14:25	0	3003	23:30	0
3003	14:30	0	3003	23:35	0
3003	14:35	0	3003	23:40	0
3003	14:40	0	3003	23:45	0
3003	14:45	0	3003	23:50	0
3003	14:50	0	3003	23:55	0
3003	14:55	0			
3003	15:00	0	3004	0:00	0
3003	15:05	0	3004	0:05	0
3003	15:10	0	3004	0:10	0
3003	15:15	0	3004	0:15	0
3003	15:20	0	3004	0:20	0
3003	15:25	0	3004	0:25	0
3003	15:30	0	3004	0:30	0.001
3003	15:35	0	3004	0:35	0.002
3003	15:40	0	3004	0:40	0.002
3003	15:45	0	3004	0:45	0.005
3003	15:50	0	3004	0:50	0.011
3003	15:55	0	3004	0:55	0.027
3003	16:00	0	3004	1:00	0.042
3003	16:05	0	3004	1:05	0.042
3003	16:10	0	3004	1:10	0.042
3003	16:15	0	3004	1:15	0.042
3003	16:20	0	3004	1:20	0.042
3003	16:25	0	3004	1:25	0.042
3003	16:30	0	3004	1:30	0.042
3003	16:35	0	3004	1:35	0.042
3003	16:40	0	3004	1:40	0.038
3003	16:45	0	3004	1:45	0.03
3003	16:50	0	3004	1:50	0.024
3003	16:55	0	3004	1:55	0.019
3003	17:00	0	3004	2:00	0.016
3003	17:05	0	3004	2:05	0.014

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3004	2:10	0.012	3004	11:15	0
3004	2:15	0.01	3004	11:20	0
3004	2:20	0.009	3004	11:25	0
3004	2:25	0.008	3004	11:30	0
3004	2:30	0.007	3004	11:35	0
3004	2:35	0.006	3004	11:40	0
3004	2:40	0.006	3004	11:45	0
3004	2:45	0.005	3004	11:50	0
3004	2:50	0.005	3004	11:55	0
3004	2:55	0.005	3004	12:00	0
3004	3:00	0.005	3004	12:05	0
3004	3:05	0.005	3004	12:10	0
3004	3:10	0.005	3004	12:15	0
3004	3:15	0.004	3004	12:20	0
3004	3:20	0.004	3004	12:25	0
3004	3:25	0.004	3004	12:30	0
3004	3:30	0.003	3004	12:35	0
3004	3:35	0.003	3004	12:40	0
3004	3:40	0.003	3004	12:45	0
3004	3:45	0.003	3004	12:50	0
3004	3:50	0.003	3004	12:55	0
3004	3:55	0.002	3004	13:00	0
3004	4:00	0.002	3004	13:05	0
3004	4:05	0.002	3004	13:10	0
3004	4:10	0.002	3004	13:15	0
3004	4:15	0.002	3004	13:20	0
3004	4:20	0.002	3004	13:25	0
3004	4:25	0.002	3004	13:30	0
3004	4:30	0.002	3004	13:35	0
3004	4:35	0.002	3004	13:40	0
3004	4:40	0.002	3004	13:45	0
3004	4:45	0.002	3004	13:50	0
3004	4:50	0.002	3004	13:55	0
3004	4:55	0.002	3004	14:00	0
3004	5:00	0.002	3004	14:05	0
3004	5:05	0.001	3004	14:10	0
3004	5:10	0.001	3004	14:15	0
3004	5:15	0.001	3004	14:20	0
3004	5:20	0.001	3004	14:25	0
3004	5:25	0.001	3004	14:30	0
3004	5:30	0.001	3004	14:35	0
3004	5:35	0.001	3004	14:40	0
3004	5:40	0.001	3004	14:45	0
3004	5:45	0.001	3004	14:50	0
3004	5:50	0.001	3004	14:55	0
3004	5:55	0.001	3004	15:00	0
3004	6:00	0.001	3004	15:05	0
3004	6:05	0.001	3004	15:10	0
3004	6:10	0.001	3004	15:15	0
3004	6:15	0.001	3004	15:20	0
3004	6:20	0.001	3004	15:25	0
3004	6:25	0.001	3004	15:30	0
3004	6:30	0.001	3004	15:35	0
3004	6:35	0.001	3004	15:40	0
3004	6:40	0.001	3004	15:45	0
3004	6:45	0.001	3004	15:50	0
3004	6:50	0.001	3004	15:55	0
3004	6:55	0.001	3004	16:00	0
3004	7:00	0.001	3004	16:05	0
3004	7:05	0.001	3004	16:10	0
3004	7:10	0.001	3004	16:15	0
3004	7:15	0.001	3004	16:20	0
3004	7:20	0.001	3004	16:25	0
3004	7:25	0.001	3004	16:30	0
3004	7:30	0.001	3004	16:35	0
3004	7:35	0.001	3004	16:40	0
3004	7:40	0.001	3004	16:45	0
3004	7:45	0.001	3004	16:50	0
3004	7:50	0.001	3004	16:55	0
3004	7:55	0.001	3004	17:00	0
3004	8:00	0.001	3004	17:05	0
3004	8:05	0.001	3004	17:10	0
3004	8:10	0.001	3004	17:15	0
3004	8:15	0.001	3004	17:20	0
3004	8:20	0.001	3004	17:25	0
3004	8:25	0.001	3004	17:30	0
3004	8:30	0.001	3004	17:35	0
3004	8:35	0.001	3004	17:40	0
3004	8:40	0.001	3004	17:45	0
3004	8:45	0.001	3004	17:50	0
3004	8:50	0.001	3004	17:55	0
3004	8:55	0.001	3004	18:00	0
3004	9:00	0.001	3004	18:05	0
3004	9:05	0.001	3004	18:10	0
3004	9:10	0.001	3004	18:15	0
3004	9:15	0.001	3004	18:20	0
3004	9:20	0.001	3004	18:25	0
3004	9:25	0.001	3004	18:30	0
3004	9:30	0.001	3004	18:35	0
3004	9:35	0.001	3004	18:40	0
3004	9:40	0.001	3004	18:45	0
3004	9:45	0.001	3004	18:50	0
3004	9:50	0.001	3004	18:55	0
3004	9:55	0.001	3004	19:00	0
3004	10:00	0.001	3004	19:05	0
3004	10:05	0.001	3004	19:10	0
3004	10:10	0.001	3004	19:15	0
3004	10:15	0.001	3004	19:20	0
3004	10:20	0.001	3004	19:25	0
3004	10:25	0.001	3004	19:30	0
3004	10:30	0.001	3004	19:35	0
3004	10:35	0.001	3004	19:40	0
3004	10:40	0.001	3004	19:45	0
3004	10:45	0.001	3004	19:50	0
3004	10:50	0.001	3004	19:55	0
3004	10:55	0.001	3004	20:00	0
3004	11:00	0.001	3004	20:05	0
3004	11:05	0.001	3004	20:10	0
3004	11:10	0	3004	20:15	0

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Design Storm: 100 Year 3-hour Chicago Storm

3004	20:20	0	3005	5:20	0.002
3004	20:25	0	3005	5:25	0.002
3004	20:30	0	3005	5:30	0.002
3004	20:35	0	3005	5:35	0.002
3004	20:40	0	3005	5:40	0.002
3004	20:45	0	3005	5:45	0.002
3004	20:50	0	3005	5:50	0.002
3004	20:55	0	3005	5:55	0.002
3004	21:00	0	3005	6:00	0.002
3004	21:05	0	3005	6:05	0.002
3004	21:10	0	3005	6:10	0.002
3004	21:15	0	3005	6:15	0.002
3004	21:20	0	3005	6:20	0.001
3004	21:25	0	3005	6:25	0.001
3004	21:30	0	3005	6:30	0.001
3004	21:35	0	3005	6:35	0.001
3004	21:40	0	3005	6:40	0.001
3004	21:45	0	3005	6:45	0.001
3004	21:50	0	3005	6:50	0.001
3004	21:55	0	3005	6:55	0.001
3004	22:00	0	3005	7:00	0.001
3004	22:05	0	3005	7:05	0.001
3004	22:10	0	3005	7:10	0.001
3004	22:15	0	3005	7:15	0.001
3004	22:20	0	3005	7:20	0.001
3004	22:25	0	3005	7:25	0.001
3004	22:30	0	3005	7:30	0.001
3004	22:35	0	3005	7:35	0.001
3004	22:40	0	3005	7:40	0.001
3004	22:45	0	3005	7:45	0.001
3004	22:50	0	3005	7:50	0.001
3004	22:55	0	3005	7:55	0.001
3004	23:00	0	3005	8:00	0.001
3004	23:05	0	3005	8:05	0.001
3004	23:10	0	3005	8:10	0.001
3004	23:15	0	3005	8:15	0.001
3004	23:20	0	3005	8:20	0.001
3004	23:25	0	3005	8:25	0.001
3004	23:30	0	3005	8:30	0.001
3004	23:35	0	3005	8:35	0.001
3004	23:40	0	3005	8:40	0.001
3004	23:45	0	3005	8:45	0.001
3004	23:50	0	3005	8:50	0.001
3004	23:55	0	3005	8:55	0.001
			3005	9:00	0.001
3005	0:00	0	3005	9:05	0.001
3005	0:05	0	3005	9:10	0.001
3005	0:10	0	3005	9:15	0.001
3005	0:15	0	3005	9:20	0.001
3005	0:20	0	3005	9:25	0.001
3005	0:25	0	3005	9:30	0.001
3005	0:30	0	3005	9:35	0.001
3005	0:35	0	3005	9:40	0.001
3005	0:40	0.001	3005	9:45	0.001
3005	0:45	0.002	3005	9:50	0.001
3005	0:50	0.005	3005	9:55	0.001
3005	0:55	0.021	3005	10:00	0.001
3005	1:00	0.021	3005	10:05	0.001
3005	1:05	0.021	3005	10:10	0.001
3005	1:10	0.021	3005	10:15	0.001
3005	1:15	0.021	3005	10:20	0.001
3005	1:20	0.021	3005	10:25	0.001
3005	1:25	0.02	3005	10:30	0.001
3005	1:30	0.018	3005	10:35	0.001
3005	1:35	0.017	3005	10:40	0.001
3005	1:40	0.015	3005	10:45	0.001
3005	1:45	0.014	3005	10:50	0.001
3005	1:50	0.013	3005	10:55	0.001
3005	1:55	0.011	3005	11:00	0.001
3005	2:00	0.01	3005	11:05	0.001
3005	2:05	0.01	3005	11:10	0.001
3005	2:10	0.009	3005	11:15	0.001
3005	2:15	0.008	3005	11:20	0.001
3005	2:20	0.007	3005	11:25	0.001
3005	2:25	0.007	3005	11:30	0.001
3005	2:30	0.006	3005	11:35	0.001
3005	2:35	0.006	3005	11:40	0.001
3005	2:40	0.006	3005	11:45	0.001
3005	2:45	0.005	3005	11:50	0.001
3005	2:50	0.005	3005	11:55	0.001
3005	2:55	0.005	3005	12:00	0.001
3005	3:00	0.004	3005	12:05	0.001
3005	3:05	0.004	3005	12:10	0.001
3005	3:10	0.004	3005	12:15	0.001
3005	3:15	0.004	3005	12:20	0.001
3005	3:20	0.004	3005	12:25	0.001
3005	3:25	0.004	3005	12:30	0.001
3005	3:30	0.003	3005	12:35	0.001
3005	3:35	0.003	3005	12:40	0.001
3005	3:40	0.003	3005	12:45	0.001
3005	3:45	0.003	3005	12:50	0.001
3005	3:50	0.003	3005	12:55	0.001
3005	3:55	0.003	3005	13:00	0.001
3005	4:00	0.003	3005	13:05	0.001
3005	4:05	0.003	3005	13:10	0.001
3005	4:10	0.003	3005	13:15	0.001
3005	4:15	0.003	3005	13:20	0.001
3005	4:20	0.002	3005	13:25	0.001
3005	4:25	0.002	3005	13:30	0.001
3005	4:30	0.002	3005	13:35	0.001
3005	4:35	0.002	3005	13:40	0.001
3005	4:40	0.002	3005	13:45	0.001
3005	4:45	0.002	3005	13:50	0.001
3005	4:50	0.002	3005	13:55	0.001
3005	4:55	0.002	3005	14:00	0.001
3005	5:00	0.002	3005	14:05	0.001
3005	5:05	0.002	3005	14:10	0.001
3005	5:10	0.002	3005	14:15	0.001
3005	5:15	0.002	3005	14:20	0.001

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3005	14:25	0.001	3005	23:30	0
3005	14:30	0.001	3005	23:35	0
3005	14:35	0.001	3005	23:40	0
3005	14:40	0.001	3005	23:45	0
3005	14:45	0.001	3005	23:50	0
3005	14:50	0.001	3005	23:55	0
3005	14:55	0.001			
3005	15:00	0.001	3006	0:00	0
3005	15:05	0.001	3006	0:05	0
3005	15:10	0.001	3006	0:10	0
3005	15:15	0.001	3006	0:15	0
3005	15:20	0.001	3006	0:20	0
3005	15:25	0.001	3006	0:25	0
3005	15:30	0.001	3006	0:30	0.001
3005	15:35	0.001	3006	0:35	0.003
3005	15:40	0.001	3006	0:40	0.004
3005	15:45	0.001	3006	0:45	0.009
3005	15:50	0.001	3006	0:50	0.015
3005	15:55	0.001	3006	0:55	0.045
3005	16:00	0.001	3006	1:00	0.064
3005	16:05	0.001	3006	1:05	0.064
3005	16:10	0.001	3006	1:10	0.064
3005	16:15	0.001	3006	1:15	0.064
3005	16:20	0.001	3006	1:20	0.064
3005	16:25	0.001	3006	1:25	0.064
3005	16:30	0.001	3006	1:30	0.064
3005	16:35	0	3006	1:35	0.063
3005	16:40	0	3006	1:40	0.061
3005	16:45	0	3006	1:45	0.053
3005	16:50	0	3006	1:50	0.046
3005	16:55	0	3006	1:55	0.04
3005	17:00	0	3006	2:00	0.035
3005	17:05	0	3006	2:05	0.031
3005	17:10	0	3006	2:10	0.027
3005	17:15	0	3006	2:15	0.024
3005	17:20	0	3006	2:20	0.022
3005	17:25	0	3006	2:25	0.019
3005	17:30	0	3006	2:30	0.017
3005	17:35	0	3006	2:35	0.015
3005	17:40	0	3006	2:40	0.014
3005	17:45	0	3006	2:45	0.013
3005	17:50	0	3006	2:50	0.012
3005	17:55	0	3006	2:55	0.011
3005	18:00	0	3006	3:00	0.01
3005	18:05	0	3006	3:05	0.01
3005	18:10	0	3006	3:10	0.009
3005	18:15	0	3006	3:15	0.008
3005	18:20	0	3006	3:20	0.008
3005	18:25	0	3006	3:25	0.007
3005	18:30	0	3006	3:30	0.006
3005	18:35	0	3006	3:35	0.006
3005	18:40	0	3006	3:40	0.005
3005	18:45	0	3006	3:45	0.005
3005	18:50	0	3006	3:50	0.004
3005	18:55	0	3006	3:55	0.004
3005	19:00	0	3006	4:00	0.004
3005	19:05	0	3006	4:05	0.003
3005	19:10	0	3006	4:10	0.003
3005	19:15	0	3006	4:15	0.003
3005	19:20	0	3006	4:20	0.003
3005	19:25	0	3006	4:25	0.003
3005	19:30	0	3006	4:30	0.003
3005	19:35	0	3006	4:35	0.002
3005	19:40	0	3006	4:40	0.002
3005	19:45	0	3006	4:45	0.002
3005	19:50	0	3006	4:50	0.002
3005	19:55	0	3006	4:55	0.002
3005	20:00	0	3006	5:00	0.002
3005	20:05	0	3006	5:05	0.002
3005	20:10	0	3006	5:10	0.002
3005	20:15	0	3006	5:15	0.002
3005	20:20	0	3006	5:20	0.002
3005	20:25	0	3006	5:25	0.002
3005	20:30	0	3006	5:30	0.002
3005	20:35	0	3006	5:35	0.002
3005	20:40	0	3006	5:40	0.001
3005	20:45	0	3006	5:45	0.001
3005	20:50	0	3006	5:50	0.001
3005	20:55	0	3006	5:55	0.001
3005	21:00	0	3006	6:00	0.001
3005	21:05	0	3006	6:05	0.001
3005	21:10	0	3006	6:10	0.001
3005	21:15	0	3006	6:15	0.001
3005	21:20	0	3006	6:20	0.001
3005	21:25	0	3006	6:25	0.001
3005	21:30	0	3006	6:30	0.001
3005	21:35	0	3006	6:35	0.001
3005	21:40	0	3006	6:40	0.001
3005	21:45	0	3006	6:45	0.001
3005	21:50	0	3006	6:50	0.001
3005	21:55	0	3006	6:55	0.001
3005	22:00	0	3006	7:00	0.001
3005	22:05	0	3006	7:05	0.001
3005	22:10	0	3006	7:10	0.001
3005	22:15	0	3006	7:15	0.001
3005	22:20	0	3006	7:20	0.001
3005	22:25	0	3006	7:25	0.001
3005	22:30	0	3006	7:30	0.001
3005	22:35	0	3006	7:35	0.001
3005	22:40	0	3006	7:40	0.001
3005	22:45	0	3006	7:45	0.001
3005	22:50	0	3006	7:50	0.001
3005	22:55	0	3006	7:55	0.001
3005	23:00	0	3006	8:00	0.001
3005	23:05	0	3006	8:05	0.001
3005	23:10	0	3006	8:10	0.001
3005	23:15	0	3006	8:15	0.001
3005	23:20	0	3006	8:20	0.001
3005	23:25	0	3006	8:25	0.001

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3006	8:30	0.001
3006	8:35	0.001
3006	8:40	0.001
3006	8:45	0.001
3006	8:50	0.001
3006	8:55	0.001
3006	9:00	0.001
3006	9:05	0.001
3006	9:10	0.001
3006	9:15	0.001
3006	9:20	0.001
3006	9:25	0.001
3006	9:30	0.001
3006	9:35	0.001
3006	9:40	0.001
3006	9:45	0.001
3006	9:50	0.001
3006	9:55	0.001
3006	10:00	0.001
3006	10:05	0.001
3006	10:10	0.001
3006	10:15	0.001
3006	10:20	0.001
3006	10:25	0.001
3006	10:30	0.001
3006	10:35	0.001
3006	10:40	0.001
3006	10:45	0.001
3006	10:50	0.001
3006	10:55	0.001
3006	11:00	0.001
3006	11:05	0.001
3006	11:10	0.001
3006	11:15	0.001
3006	11:20	0.001
3006	11:25	0.001
3006	11:30	0.001
3006	11:35	0.001
3006	11:40	0.001
3006	11:45	0.001
3006	11:50	0.001
3006	11:55	0.001
3006	12:00	0.001
3006	12:05	0
3006	12:10	0
3006	12:15	0
3006	12:20	0
3006	12:25	0
3006	12:30	0
3006	12:35	0
3006	12:40	0
3006	12:45	0
3006	12:50	0
3006	12:55	0
3006	13:00	0
3006	13:05	0
3006	13:10	0
3006	13:15	0
3006	13:20	0
3006	13:25	0
3006	13:30	0
3006	13:35	0
3006	13:40	0
3006	13:45	0
3006	13:50	0
3006	13:55	0
3006	14:00	0
3006	14:05	0
3006	14:10	0
3006	14:15	0
3006	14:20	0
3006	14:25	0
3006	14:30	0
3006	14:35	0
3006	14:40	0
3006	14:45	0
3006	14:50	0
3006	14:55	0
3006	15:00	0
3006	15:05	0
3006	15:10	0
3006	15:15	0
3006	15:20	0
3006	15:25	0
3006	15:30	0
3006	15:35	0
3006	15:40	0
3006	15:45	0
3006	15:50	0
3006	15:55	0
3006	16:00	0
3006	16:05	0
3006	16:10	0
3006	16:15	0
3006	16:20	0
3006	16:25	0
3006	16:30	0
3006	16:35	0
3006	16:40	0
3006	16:45	0
3006	16:50	0
3006	16:55	0
3006	17:00	0
3006	17:05	0
3006	17:10	0
3006	17:15	0
3006	17:20	0
3006	17:25	0
3006	17:30	0
3006	17:35	0
3006	17:40	0
3006	17:45	0
3006	17:50	0
3006	17:55	0
3006	18:00	0
3006	18:05	0
3006	18:10	0
3006	18:15	0
3006	18:20	0
3006	18:25	0
3006	18:30	0
3006	18:35	0
3006	18:40	0
3006	18:45	0
3006	18:50	0
3006	18:55	0
3006	19:00	0
3006	19:05	0
3006	19:10	0
3006	19:15	0
3006	19:20	0
3006	19:25	0
3006	19:30	0
3006	19:35	0
3006	19:40	0
3006	19:45	0
3006	19:50	0
3006	19:55	0
3006	20:00	0
3006	20:05	0
3006	20:10	0
3006	20:15	0
3006	20:20	0
3006	20:25	0
3006	20:30	0
3006	20:35	0
3006	20:40	0
3006	20:45	0
3006	20:50	0
3006	20:55	0
3006	21:00	0
3006	21:05	0
3006	21:10	0
3006	21:15	0
3006	21:20	0
3006	21:25	0
3006	21:30	0
3006	21:35	0
3006	21:40	0
3006	21:45	0
3006	21:50	0
3006	21:55	0
3006	22:00	0
3006	22:05	0
3006	22:10	0
3006	22:15	0
3006	22:20	0
3006	22:25	0
3006	22:30	0
3006	22:35	0
3006	22:40	0
3006	22:45	0
3006	22:50	0
3006	22:55	0
3006	23:00	0
3006	23:05	0
3006	23:10	0
3006	23:15	0
3006	23:20	0
3006	23:25	0
3006	23:30	0
3006	23:35	0
3006	23:40	0
3006	23:45	0
3006	23:50	0
3006	23:55	0
3008	0:00	0
3008	0:05	0
3008	0:10	0
3008	0:15	0
3008	0:20	0
3008	0:25	0
3008	0:30	0.001
3008	0:35	0.001
3008	0:40	0.001
3008	0:45	0.003
3008	0:50	0
3008	0:55	0.014
3008	1:00	0.021
3008	1:05	0.021
3008	1:10	0.021
3008	1:15	0.021
3008	1:20	0.021
3008	1:25	0.021
3008	1:30	0.019
3008	1:35	0.016
3008	1:40	0.014
3008	1:45	0.012
3008	1:50	0.01
3008	1:55	0.009
3008	2:00	0.007
3008	2:05	0.006
3008	2:10	0.006
3008	2:15	0.005
3008	2:20	0.004
3008	2:25	0.004
3008	2:30	0.003

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3008	2:35	0.003	3008	11:40	0
3008	2:40	0.003	3008	11:45	0
3008	2:45	0.003	3008	11:50	0
3008	2:50	0.002	3008	11:55	0
3008	2:55	0.002	3008	12:00	0
3008	3:00	0.003	3008	12:05	0
3008	3:05	0.003	3008	12:10	0
3008	3:10	0.002	3008	12:15	0
3008	3:15	0.002	3008	12:20	0
3008	3:20	0.002	3008	12:25	0
3008	3:25	0.002	3008	12:30	0
3008	3:30	0.002	3008	12:35	0
3008	3:35	0.002	3008	12:40	0
3008	3:40	0.001	3008	12:45	0
3008	3:45	0.001	3008	12:50	0
3008	3:50	0.001	3008	12:55	0
3008	3:55	0.001	3008	13:00	0
3008	4:00	0.001	3008	13:05	0
3008	4:05	0.001	3008	13:10	0
3008	4:10	0.001	3008	13:15	0
3008	4:15	0.001	3008	13:20	0
3008	4:20	0.001	3008	13:25	0
3008	4:25	0.001	3008	13:30	0
3008	4:30	0.001	3008	13:35	0
3008	4:35	0.001	3008	13:40	0
3008	4:40	0.001	3008	13:45	0
3008	4:45	0.001	3008	13:50	0
3008	4:50	0.001	3008	13:55	0
3008	4:55	0.001	3008	14:00	0
3008	5:00	0.001	3008	14:05	0
3008	5:05	0.001	3008	14:10	0
3008	5:10	0.001	3008	14:15	0
3008	5:15	0.001	3008	14:20	0
3008	5:20	0.001	3008	14:25	0
3008	5:25	0.001	3008	14:30	0
3008	5:30	0.001	3008	14:35	0
3008	5:35	0.001	3008	14:40	0
3008	5:40	0.001	3008	14:45	0
3008	5:45	0.001	3008	14:50	0
3008	5:50	0.001	3008	14:55	0
3008	5:55	0.001	3008	15:00	0
3008	6:00	0.001	3008	15:05	0
3008	6:05	0.001	3008	15:10	0
3008	6:10	0.001	3008	15:15	0
3008	6:15	0.001	3008	15:20	0
3008	6:20	0.001	3008	15:25	0
3008	6:25	0.001	3008	15:30	0
3008	6:30	0.001	3008	15:35	0
3008	6:35	0.001	3008	15:40	0
3008	6:40	0.001	3008	15:45	0
3008	6:45	0.001	3008	15:50	0
3008	6:50	0.001	3008	15:55	0
3008	6:55	0.001	3008	16:00	0
3008	7:00	0	3008	16:05	0
3008	7:05	0	3008	16:10	0
3008	7:10	0	3008	16:15	0
3008	7:15	0	3008	16:20	0
3008	7:20	0	3008	16:25	0
3008	7:25	0	3008	16:30	0
3008	7:30	0	3008	16:35	0
3008	7:35	0	3008	16:40	0
3008	7:40	0	3008	16:45	0
3008	7:45	0	3008	16:50	0
3008	7:50	0	3008	16:55	0
3008	7:55	0	3008	17:00	0
3008	8:00	0	3008	17:05	0
3008	8:05	0	3008	17:10	0
3008	8:10	0	3008	17:15	0
3008	8:15	0	3008	17:20	0
3008	8:20	0	3008	17:25	0
3008	8:25	0	3008	17:30	0
3008	8:30	0	3008	17:35	0
3008	8:35	0	3008	17:40	0
3008	8:40	0	3008	17:45	0
3008	8:45	0	3008	17:50	0
3008	8:50	0	3008	17:55	0
3008	8:55	0	3008	18:00	0
3008	9:00	0	3008	18:05	0
3008	9:05	0	3008	18:10	0
3008	9:10	0	3008	18:15	0
3008	9:15	0	3008	18:20	0
3008	9:20	0	3008	18:25	0
3008	9:25	0	3008	18:30	0
3008	9:30	0	3008	18:35	0
3008	9:35	0	3008	18:40	0
3008	9:40	0	3008	18:45	0
3008	9:45	0	3008	18:50	0
3008	9:50	0	3008	18:55	0
3008	9:55	0	3008	19:00	0
3008	10:00	0	3008	19:05	0
3008	10:05	0	3008	19:10	0
3008	10:10	0	3008	19:15	0
3008	10:15	0	3008	19:20	0
3008	10:20	0	3008	19:25	0
3008	10:25	0	3008	19:30	0
3008	10:30	0	3008	19:35	0
3008	10:35	0	3008	19:40	0
3008	10:40	0	3008	19:45	0
3008	10:45	0	3008	19:50	0
3008	10:50	0	3008	19:55	0
3008	10:55	0	3008	20:00	0
3008	11:00	0	3008	20:05	0
3008	11:05	0	3008	20:10	0
3008	11:10	0	3008	20:15	0
3008	11:15	0	3008	20:20	0
3008	11:20	0	3008	20:25	0
3008	11:25	0	3008	20:30	0
3008	11:30	0	3008	20:35	0
3008	11:35	0	3008	20:40	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3008	20:45	0
3008	20:50	0
3008	20:55	0
3008	21:00	0
3008	21:05	0
3008	21:10	0
3008	21:15	0
3008	21:20	0
3008	21:25	0
3008	21:30	0
3008	21:35	0
3008	21:40	0
3008	21:45	0
3008	21:50	0
3008	21:55	0
3008	22:00	0
3008	22:05	0
3008	22:10	0
3008	22:15	0
3008	22:20	0
3008	22:25	0
3008	22:30	0
3008	22:35	0
3008	22:40	0
3008	22:45	0
3008	22:50	0
3008	22:55	0
3008	23:00	0
3008	23:05	0
3008	23:10	0
3008	23:15	0
3008	23:20	0
3008	23:25	0
3008	23:30	0
3008	23:35	0
3008	23:40	0
3008	23:45	0
3008	23:50	0
3008	23:55	0
3009	0:00	0
3009	0:05	0
3009	0:10	0
3009	0:15	0
3009	0:20	0
3009	0:25	0
3009	0:30	0.002
3009	0:35	0.004
3009	0:40	0.005
3009	0:45	0.011
3009	0:50	0.018
3009	0:55	0.052
3009	1:00	0.064
3009	1:05	0.064
3009	1:10	0.064
3009	1:15	0.064
3009	1:20	0.063
3009	1:25	0.062
3009	1:30	0.059
3009	1:35	0.051
3009	1:40	0.045
3009	1:45	0.04
3009	1:50	0.036
3009	1:55	0.033
3009	2:00	0.029
3009	2:05	0.026
3009	2:10	0.024
3009	2:15	0.022
3009	2:20	0.019
3009	2:25	0.018
3009	2:30	0.016
3009	2:35	0.015
3009	2:40	0.014
3009	2:45	0.013
3009	2:50	0.012
3009	2:55	0.011
3009	3:00	0.011
3009	3:05	0.01
3009	3:10	0.009
3009	3:15	0.009
3009	3:20	0.008
3009	3:25	0.007
3009	3:30	0.007
3009	3:35	0.006
3009	3:40	0.005
3009	3:45	0.005
3009	3:50	0.005
3009	3:55	0.004
3009	4:00	0.004
3009	4:05	0.004
3009	4:10	0.003
3009	4:15	0.003
3009	4:20	0.003
3009	4:25	0.003
3009	4:30	0.003
3009	4:35	0.002
3009	4:40	0.002
3009	4:45	0.002
3009	4:50	0.002
3009	4:55	0.002
3009	5:00	0.002
3009	5:05	0.002
3009	5:10	0.002
3009	5:15	0.002
3009	5:20	0.002
3009	5:25	0.002
3009	5:30	0.002
3009	5:35	0.001
3009	5:40	0.001
3009	5:45	0.001
3009	5:50	0.001
3009	5:55	0.001
3009	6:00	0.001
3009	6:05	0.001
3009	6:10	0.001
3009	6:15	0.001
3009	6:20	0.001
3009	6:25	0.001
3009	6:30	0.001
3009	6:35	0.001
3009	6:40	0.001
3009	6:45	0.001
3009	6:50	0.001
3009	6:55	0.001
3009	7:00	0.001
3009	7:05	0.001
3009	7:10	0.001
3009	7:15	0.001
3009	7:20	0.001
3009	7:25	0.001
3009	7:30	0.001
3009	7:35	0.001
3009	7:40	0.001
3009	7:45	0.001
3009	7:50	0.001
3009	7:55	0.001
3009	8:00	0.001
3009	8:05	0.001
3009	8:10	0.001
3009	8:15	0.001
3009	8:20	0.001
3009	8:25	0.001
3009	8:30	0.001
3009	8:35	0.001
3009	8:40	0.001
3009	8:45	0.001
3009	8:50	0.001
3009	8:55	0.001
3009	9:00	0.001
3009	9:05	0.001
3009	9:10	0.001
3009	9:15	0.001
3009	9:20	0.001
3009	9:25	0.001
3009	9:30	0.001
3009	9:35	0.001
3009	9:40	0.001
3009	9:45	0.001
3009	9:50	0.001
3009	9:55	0.001
3009	10:00	0.001
3009	10:05	0.001
3009	10:10	0.001
3009	10:15	0.001
3009	10:20	0.001
3009	10:25	0.001
3009	10:30	0.001
3009	10:35	0.001
3009	10:40	0.001
3009	10:45	0.001
3009	10:50	0.001
3009	10:55	0.001
3009	11:00	0.001
3009	11:05	0.001
3009	11:10	0.001
3009	11:15	0
3009	11:20	0
3009	11:25	0
3009	11:30	0
3009	11:35	0
3009	11:40	0
3009	11:45	0
3009	11:50	0
3009	11:55	0
3009	12:00	0
3009	12:05	0
3009	12:10	0
3009	12:15	0
3009	12:20	0
3009	12:25	0
3009	12:30	0
3009	12:35	0
3009	12:40	0
3009	12:45	0
3009	12:50	0
3009	12:55	0
3009	13:00	0
3009	13:05	0
3009	13:10	0
3009	13:15	0
3009	13:20	0
3009	13:25	0
3009	13:30	0
3009	13:35	0
3009	13:40	0
3009	13:45	0
3009	13:50	0
3009	13:55	0
3009	14:00	0
3009	14:05	0
3009	14:10	0
3009	14:15	0
3009	14:20	0
3009	14:25	0
3009	14:30	0
3009	14:35	0
3009	14:40	0
3009	14:45	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3009	14:50	0	3009	23:55	0
3009	14:55	0			
3009	15:00	0	3010	0:00	0
3009	15:05	0	3010	0:05	0
3009	15:10	0	3010	0:10	0
3009	15:15	0	3010	0:15	0
3009	15:20	0	3010	0:20	0
3009	15:25	0	3010	0:25	0.001
3009	15:30	0	3010	0:30	0.002
3009	15:35	0	3010	0:35	0.004
3009	15:40	0	3010	0:40	0.008
3009	15:45	0	3010	0:45	0.013
3009	15:50	0	3010	0:50	0.028
3009	15:55	0	3010	0:55	0.042
3009	16:00	0	3010	1:00	0.042
3009	16:05	0	3010	1:05	0.042
3009	16:10	0	3010	1:10	0.042
3009	16:15	0	3010	1:15	0.042
3009	16:20	0	3010	1:20	0.039
3009	16:25	0	3010	1:25	0.032
3009	16:30	0	3010	1:30	0.025
3009	16:35	0	3010	1:35	0.02
3009	16:40	0	3010	1:40	0.016
3009	16:45	0	3010	1:45	0.014
3009	16:50	0	3010	1:50	0.012
3009	16:55	0	3010	1:55	0.01
3009	17:00	0	3010	2:00	0.009
3009	17:05	0	3010	2:05	0.008
3009	17:10	0	3010	2:10	0.007
3009	17:15	0	3010	2:15	0.006
3009	17:20	0	3010	2:20	0.006
3009	17:25	0	3010	2:25	0.006
3009	17:30	0	3010	2:30	0.005
3009	17:35	0	3010	2:35	0.005
3009	17:40	0	3010	2:40	0.005
3009	17:45	0	3010	2:45	0.004
3009	17:50	0	3010	2:50	0.004
3009	17:55	0	3010	2:55	0.004
3009	18:00	0	3010	3:00	0.004
3009	18:05	0	3010	3:05	0.004
3009	18:10	0	3010	3:10	0.004
3009	18:15	0	3010	3:15	0.003
3009	18:20	0	3010	3:20	0.003
3009	18:25	0	3010	3:25	0.002
3009	18:30	0	3010	3:30	0.002
3009	18:35	0	3010	3:35	0.002
3009	18:40	0	3010	3:40	0.002
3009	18:45	0	3010	3:45	0.002
3009	18:50	0	3010	3:50	0.001
3009	18:55	0	3010	3:55	0.001
3009	19:00	0	3010	4:00	0.001
3009	19:05	0	3010	4:05	0.001
3009	19:10	0	3010	4:10	0.001
3009	19:15	0	3010	4:15	0.001
3009	19:20	0	3010	4:20	0.001
3009	19:25	0	3010	4:25	0.001
3009	19:30	0	3010	4:30	0.001
3009	19:35	0	3010	4:35	0.001
3009	19:40	0	3010	4:40	0.001
3009	19:45	0	3010	4:45	0.001
3009	19:50	0	3010	4:50	0.001
3009	19:55	0	3010	4:55	0.001
3009	20:00	0	3010	5:00	0.001
3009	20:05	0	3010	5:05	0.001
3009	20:10	0	3010	5:10	0.001
3009	20:15	0	3010	5:15	0.001
3009	20:20	0	3010	5:20	0.001
3009	20:25	0	3010	5:25	0.001
3009	20:30	0	3010	5:30	0.001
3009	20:35	0	3010	5:35	0.001
3009	20:40	0	3010	5:40	0.001
3009	20:45	0	3010	5:45	0.001
3009	20:50	0	3010	5:50	0.001
3009	20:55	0	3010	5:55	0
3009	21:00	0	3010	6:00	0
3009	21:05	0	3010	6:05	0
3009	21:10	0	3010	6:10	0
3009	21:15	0	3010	6:15	0
3009	21:20	0	3010	6:20	0
3009	21:25	0	3010	6:25	0
3009	21:30	0	3010	6:30	0
3009	21:35	0	3010	6:35	0
3009	21:40	0	3010	6:40	0
3009	21:45	0	3010	6:45	0
3009	21:50	0	3010	6:50	0
3009	21:55	0	3010	6:55	0
3009	22:00	0	3010	7:00	0
3009	22:05	0	3010	7:05	0
3009	22:10	0	3010	7:10	0
3009	22:15	0	3010	7:15	0
3009	22:20	0	3010	7:20	0
3009	22:25	0	3010	7:25	0
3009	22:30	0	3010	7:30	0
3009	22:35	0	3010	7:35	0
3009	22:40	0	3010	7:40	0
3009	22:45	0	3010	7:45	0
3009	22:50	0	3010	7:50	0
3009	22:55	0	3010	7:55	0
3009	23:00	0	3010	8:00	0
3009	23:05	0	3010	8:05	0
3009	23:10	0	3010	8:10	0
3009	23:15	0	3010	8:15	0
3009	23:20	0	3010	8:20	0
3009	23:25	0	3010	8:25	0
3009	23:30	0	3010	8:30	0
3009	23:35	0	3010	8:35	0
3009	23:40	0	3010	8:40	0
3009	23:45	0	3010	8:45	0
3009	23:50	0	3010	8:50	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3010	8:55	0	3010	18:00	0
3010	9:00	0	3010	18:05	0
3010	9:05	0	3010	18:10	0
3010	9:10	0	3010	18:15	0
3010	9:15	0	3010	18:20	0
3010	9:20	0	3010	18:25	0
3010	9:25	0	3010	18:30	0
3010	9:30	0	3010	18:35	0
3010	9:35	0	3010	18:40	0
3010	9:40	0	3010	18:45	0
3010	9:45	0	3010	18:50	0
3010	9:50	0	3010	18:55	0
3010	9:55	0	3010	19:00	0
3010	10:00	0	3010	19:05	0
3010	10:05	0	3010	19:10	0
3010	10:10	0	3010	19:15	0
3010	10:15	0	3010	19:20	0
3010	10:20	0	3010	19:25	0
3010	10:25	0	3010	19:30	0
3010	10:30	0	3010	19:35	0
3010	10:35	0	3010	19:40	0
3010	10:40	0	3010	19:45	0
3010	10:45	0	3010	19:50	0
3010	10:50	0	3010	19:55	0
3010	10:55	0	3010	20:00	0
3010	11:00	0	3010	20:05	0
3010	11:05	0	3010	20:10	0
3010	11:10	0	3010	20:15	0
3010	11:15	0	3010	20:20	0
3010	11:20	0	3010	20:25	0
3010	11:25	0	3010	20:30	0
3010	11:30	0	3010	20:35	0
3010	11:35	0	3010	20:40	0
3010	11:40	0	3010	20:45	0
3010	11:45	0	3010	20:50	0
3010	11:50	0	3010	20:55	0
3010	11:55	0	3010	21:00	0
3010	12:00	0	3010	21:05	0
3010	12:05	0	3010	21:10	0
3010	12:10	0	3010	21:15	0
3010	12:15	0	3010	21:20	0
3010	12:20	0	3010	21:25	0
3010	12:25	0	3010	21:30	0
3010	12:30	0	3010	21:35	0
3010	12:35	0	3010	21:40	0
3010	12:40	0	3010	21:45	0
3010	12:45	0	3010	21:50	0
3010	12:50	0	3010	21:55	0
3010	12:55	0	3010	22:00	0
3010	13:00	0	3010	22:05	0
3010	13:05	0	3010	22:10	0
3010	13:10	0	3010	22:15	0
3010	13:15	0	3010	22:20	0
3010	13:20	0	3010	22:25	0
3010	13:25	0	3010	22:30	0
3010	13:30	0	3010	22:35	0
3010	13:35	0	3010	22:40	0
3010	13:40	0	3010	22:45	0
3010	13:45	0	3010	22:50	0
3010	13:50	0	3010	22:55	0
3010	13:55	0	3010	23:00	0
3010	14:00	0	3010	23:05	0
3010	14:05	0	3010	23:10	0
3010	14:10	0	3010	23:15	0
3010	14:15	0	3010	23:20	0
3010	14:20	0	3010	23:25	0
3010	14:25	0	3010	23:30	0
3010	14:30	0	3010	23:35	0
3010	14:35	0	3010	23:40	0
3010	14:40	0	3010	23:45	0
3010	14:45	0	3010	23:50	0
3010	14:50	0	3010	23:55	0
3010	14:55	0			
3010	15:00	0	3011	0:00	0
3010	15:05	0	3011	0:05	0
3010	15:10	0	3011	0:10	0
3010	15:15	0	3011	0:15	0
3010	15:20	0	3011	0:20	0
3010	15:25	0	3011	0:25	0
3010	15:30	0	3011	0:30	0.001
3010	15:35	0	3011	0:35	0.002
3010	15:40	0	3011	0:40	0.004
3010	15:45	0	3011	0:45	0.007
3010	15:50	0	3011	0:50	0.02
3010	15:55	0	3011	0:55	0.021
3010	16:00	0	3011	1:00	0.021
3010	16:05	0	3011	1:05	0.021
3010	16:10	0	3011	1:10	0.017
3010	16:15	0	3011	1:15	0.012
3010	16:20	0	3011	1:20	0.009
3010	16:25	0	3011	1:25	0.007
3010	16:30	0	3011	1:30	0.006
3010	16:35	0	3011	1:35	0.005
3010	16:40	0	3011	1:40	0.004
3010	16:45	0	3011	1:45	0.004
3010	16:50	0	3011	1:50	0.003
3010	16:55	0	3011	1:55	0.003
3010	17:00	0	3011	2:00	0.003
3010	17:05	0	3011	2:05	0.002
3010	17:10	0	3011	2:10	0.002
3010	17:15	0	3011	2:15	0.002
3010	17:20	0	3011	2:20	0.002
3010	17:25	0	3011	2:25	0.002
3010	17:30	0	3011	2:30	0.002
3010	17:35	0	3011	2:35	0.002
3010	17:40	0	3011	2:40	0.002
3010	17:45	0	3011	2:45	0.002
3010	17:50	0	3011	2:50	0.001
3010	17:55	0	3011	2:55	0.001

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3011	3:00	0.001	3011	12:05	0
3011	3:05	0.001	3011	12:10	0
3011	3:10	0.001	3011	12:15	0
3011	3:15	0.001	3011	12:20	0
3011	3:20	0.001	3011	12:25	0
3011	3:25	0.001	3011	12:30	0
3011	3:30	0.001	3011	12:35	0
3011	3:35	0.001	3011	12:40	0
3011	3:40	0.001	3011	12:45	0
3011	3:45	0.001	3011	12:50	0
3011	3:50	0.001	3011	12:55	0
3011	3:55	0.001	3011	13:00	0
3011	4:00	0.001	3011	13:05	0
3011	4:05	0.001	3011	13:10	0
3011	4:10	0.001	3011	13:15	0
3011	4:15	0.001	3011	13:20	0
3011	4:20	0.001	3011	13:25	0
3011	4:25	0.001	3011	13:30	0
3011	4:30	0	3011	13:35	0
3011	4:35	0	3011	13:40	0
3011	4:40	0	3011	13:45	0
3011	4:45	0	3011	13:50	0
3011	4:50	0	3011	13:55	0
3011	4:55	0	3011	14:00	0
3011	5:00	0	3011	14:05	0
3011	5:05	0	3011	14:10	0
3011	5:10	0	3011	14:15	0
3011	5:15	0	3011	14:20	0
3011	5:20	0	3011	14:25	0
3011	5:25	0	3011	14:30	0
3011	5:30	0	3011	14:35	0
3011	5:35	0	3011	14:40	0
3011	5:40	0	3011	14:45	0
3011	5:45	0	3011	14:50	0
3011	5:50	0	3011	14:55	0
3011	5:55	0	3011	15:00	0
3011	6:00	0	3011	15:05	0
3011	6:05	0	3011	15:10	0
3011	6:10	0	3011	15:15	0
3011	6:15	0	3011	15:20	0
3011	6:20	0	3011	15:25	0
3011	6:25	0	3011	15:30	0
3011	6:30	0	3011	15:35	0
3011	6:35	0	3011	15:40	0
3011	6:40	0	3011	15:45	0
3011	6:45	0	3011	15:50	0
3011	6:50	0	3011	15:55	0
3011	6:55	0	3011	16:00	0
3011	7:00	0	3011	16:05	0
3011	7:05	0	3011	16:10	0
3011	7:10	0	3011	16:15	0
3011	7:15	0	3011	16:20	0
3011	7:20	0	3011	16:25	0
3011	7:25	0	3011	16:30	0
3011	7:30	0	3011	16:35	0
3011	7:35	0	3011	16:40	0
3011	7:40	0	3011	16:45	0
3011	7:45	0	3011	16:50	0
3011	7:50	0	3011	16:55	0
3011	7:55	0	3011	17:00	0
3011	8:00	0	3011	17:05	0
3011	8:05	0	3011	17:10	0
3011	8:10	0	3011	17:15	0
3011	8:15	0	3011	17:20	0
3011	8:20	0	3011	17:25	0
3011	8:25	0	3011	17:30	0
3011	8:30	0	3011	17:35	0
3011	8:35	0	3011	17:40	0
3011	8:40	0	3011	17:45	0
3011	8:45	0	3011	17:50	0
3011	8:50	0	3011	17:55	0
3011	8:55	0	3011	18:00	0
3011	9:00	0	3011	18:05	0
3011	9:05	0	3011	18:10	0
3011	9:10	0	3011	18:15	0
3011	9:15	0	3011	18:20	0
3011	9:20	0	3011	18:25	0
3011	9:25	0	3011	18:30	0
3011	9:30	0	3011	18:35	0
3011	9:35	0	3011	18:40	0
3011	9:40	0	3011	18:45	0
3011	9:45	0	3011	18:50	0
3011	9:50	0	3011	18:55	0
3011	9:55	0	3011	19:00	0
3011	10:00	0	3011	19:05	0
3011	10:05	0	3011	19:10	0
3011	10:10	0	3011	19:15	0
3011	10:15	0	3011	19:20	0
3011	10:20	0	3011	19:25	0
3011	10:25	0	3011	19:30	0
3011	10:30	0	3011	19:35	0
3011	10:35	0	3011	19:40	0
3011	10:40	0	3011	19:45	0
3011	10:45	0	3011	19:50	0
3011	10:50	0	3011	19:55	0
3011	10:55	0	3011	20:00	0
3011	11:00	0	3011	20:05	0
3011	11:05	0	3011	20:10	0
3011	11:10	0	3011	20:15	0
3011	11:15	0	3011	20:20	0
3011	11:20	0	3011	20:25	0
3011	11:25	0	3011	20:30	0
3011	11:30	0	3011	20:35	0
3011	11:35	0	3011	20:40	0
3011	11:40	0	3011	20:45	0
3011	11:45	0	3011	20:50	0
3011	11:50	0	3011	20:55	0
3011	11:55	0	3011	21:00	0
3011	12:00	0	3011	21:05	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3011	21:10	0
3011	21:15	0
3011	21:20	0
3011	21:25	0
3011	21:30	0
3011	21:35	0
3011	21:40	0
3011	21:45	0
3011	21:50	0
3011	21:55	0
3011	22:00	0
3011	22:05	0
3011	22:10	0
3011	22:15	0
3011	22:20	0
3011	22:25	0
3011	22:30	0
3011	22:35	0
3011	22:40	0
3011	22:45	0
3011	22:50	0
3011	22:55	0
3011	23:00	0
3011	23:05	0
3011	23:10	0
3011	23:15	0
3011	23:20	0
3011	23:25	0
3011	23:30	0
3011	23:35	0
3011	23:40	0
3011	23:45	0
3011	23:50	0
3011	23:55	0
3012	0:00	0
3012	0:05	0
3012	0:10	0
3012	0:15	0
3012	0:20	0
3012	0:25	0.001
3012	0:30	0.002
3012	0:35	0.004
3012	0:40	0.006
3012	0:45	0.012
3012	0:50	0.031
3012	0:55	0.059
3012	1:00	0.064
3012	1:05	0.064
3012	1:10	0.064
3012	1:15	0.064
3012	1:20	0.064
3012	1:25	0.058
3012	1:30	0.05
3012	1:35	0.043
3012	1:40	0.034
3012	1:45	0.029
3012	1:50	0.026
3012	1:55	0.024
3012	2:00	0.022
3012	2:05	0.021
3012	2:10	0.019
3012	2:15	0.018
3012	2:20	0.017
3012	2:25	0.016
3012	2:30	0.015
3012	2:35	0.014
3012	2:40	0.013
3012	2:45	0.012
3012	2:50	0.012
3012	2:55	0.011
3012	3:00	0.01
3012	3:05	0.01
3012	3:10	0.009
3012	3:15	0.009
3012	3:20	0.008
3012	3:25	0.008
3012	3:30	0.007
3012	3:35	0.007
3012	3:40	0.006
3012	3:45	0.006
3012	3:50	0.005
3012	3:55	0.005
3012	4:00	0.005
3012	4:05	0.004
3012	4:10	0.004
3012	4:15	0.004
3012	4:20	0.004
3012	4:25	0.003
3012	4:30	0.003
3012	4:35	0.003
3012	4:40	0.003
3012	4:45	0.003
3012	4:50	0.003
3012	4:55	0.002
3012	5:00	0.002
3012	5:05	0.002
3012	5:10	0.002
3012	5:15	0.002
3012	5:20	0.002
3012	5:25	0.002
3012	5:30	0.002
3012	5:35	0.002
3012	5:40	0.002
3012	5:45	0.002
3012	5:50	0.002
3012	5:55	0.001
3012	6:00	0.001
3012	6:05	0.001
3012	6:10	0.001
3012	6:15	0.001
3012	6:20	0.001
3012	6:25	0.001
3012	6:30	0.001
3012	6:35	0.001
3012	6:40	0.001
3012	6:45	0.001
3012	6:50	0.001
3012	6:55	0.001
3012	7:00	0.001
3012	7:05	0.001
3012	7:10	0.001
3012	7:15	0.001
3012	7:20	0.001
3012	7:25	0.001
3012	7:30	0.001
3012	7:35	0.001
3012	7:40	0.001
3012	7:45	0.001
3012	7:50	0.001
3012	7:55	0.001
3012	8:00	0.001
3012	8:05	0.001
3012	8:10	0.001
3012	8:15	0.001
3012	8:20	0.001
3012	8:25	0.001
3012	8:30	0.001
3012	8:35	0.001
3012	8:40	0.001
3012	8:45	0.001
3012	8:50	0.001
3012	8:55	0.001
3012	9:00	0.001
3012	9:05	0.001
3012	9:10	0.001
3012	9:15	0.001
3012	9:20	0.001
3012	9:25	0.001
3012	9:30	0.001
3012	9:35	0.001
3012	9:40	0.001
3012	9:45	0.001
3012	9:50	0.001
3012	9:55	0.001
3012	10:00	0.001
3012	10:05	0.001
3012	10:10	0.001
3012	10:15	0.001
3012	10:20	0.001
3012	10:25	0.001
3012	10:30	0.001
3012	10:35	0.001
3012	10:40	0.001
3012	10:45	0.001
3012	10:50	0.001
3012	10:55	0
3012	11:00	0
3012	11:05	0
3012	11:10	0
3012	11:15	0
3012	11:20	0
3012	11:25	0
3012	11:30	0
3012	11:35	0
3012	11:40	0
3012	11:45	0
3012	11:50	0
3012	11:55	0
3012	12:00	0
3012	12:05	0
3012	12:10	0
3012	12:15	0
3012	12:20	0
3012	12:25	0
3012	12:30	0
3012	12:35	0
3012	12:40	0
3012	12:45	0
3012	12:50	0
3012	12:55	0
3012	13:00	0
3012	13:05	0
3012	13:10	0
3012	13:15	0
3012	13:20	0
3012	13:25	0
3012	13:30	0
3012	13:35	0
3012	13:40	0
3012	13:45	0
3012	13:50	0
3012	13:55	0
3012	14:00	0
3012	14:05	0
3012	14:10	0
3012	14:15	0
3012	14:20	0
3012	14:25	0
3012	14:30	0
3012	14:35	0
3012	14:40	0
3012	14:45	0
3012	14:50	0
3012	14:55	0
3012	15:00	0
3012	15:05	0
3012	15:10	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3012	15:15	0	3014	0:15	0
3012	15:20	0	3014	0:20	0
3012	15:25	0	3014	0:25	0.001
3012	15:30	0	3014	0:30	0.002
3012	15:35	0	3014	0:35	0.006
3012	15:40	0	3014	0:40	0.012
3012	15:45	0	3014	0:45	0.021
3012	15:50	0	3014	0:50	0.03
3012	15:55	0	3014	0:55	0.042
3012	16:00	0	3014	1:00	0.06
3012	16:05	0	3014	1:05	0.054
3012	16:10	0	3014	1:10	0.051
3012	16:15	0	3014	1:15	0.049
3012	16:20	0	3014	1:20	0.048
3012	16:25	0	3014	1:25	0.047
3012	16:30	0	3014	1:30	0.046
3012	16:35	0	3014	1:35	0.044
3012	16:40	0	3014	1:40	0.039
3012	16:45	0	3014	1:45	0.034
3012	16:50	0	3014	1:50	0.03
3012	16:55	0	3014	1:55	0.026
3012	17:00	0	3014	2:00	0.023
3012	17:05	0	3014	2:05	0.021
3012	17:10	0	3014	2:10	0.019
3012	17:15	0	3014	2:15	0.017
3012	17:20	0	3014	2:20	0.016
3012	17:25	0	3014	2:25	0.014
3012	17:30	0	3014	2:30	0.013
3012	17:35	0	3014	2:35	0.012
3012	17:40	0	3014	2:40	0.011
3012	17:45	0	3014	2:45	0.011
3012	17:50	0	3014	2:50	0.01
3012	17:55	0	3014	2:55	0.009
3012	18:00	0	3014	3:00	0.009
3012	18:05	0	3014	3:05	0.009
3012	18:10	0	3014	3:10	0.009
3012	18:15	0	3014	3:15	0.008
3012	18:20	0	3014	3:20	0.007
3012	18:25	0	3014	3:25	0.006
3012	18:30	0	3014	3:30	0.005
3012	18:35	0	3014	3:35	0.005
3012	18:40	0	3014	3:40	0.005
3012	18:45	0	3014	3:45	0.004
3012	18:50	0	3014	3:50	0.004
3012	18:55	0	3014	3:55	0.004
3012	19:00	0	3014	4:00	0.004
3012	19:05	0	3014	4:05	0.003
3012	19:10	0	3014	4:10	0.003
3012	19:15	0	3014	4:15	0.003
3012	19:20	0	3014	4:20	0.003
3012	19:25	0	3014	4:25	0.003
3012	19:30	0	3014	4:30	0.003
3012	19:35	0	3014	4:35	0.003
3012	19:40	0	3014	4:40	0.003
3012	19:45	0	3014	4:45	0.003
3012	19:50	0	3014	4:50	0.002
3012	19:55	0	3014	4:55	0.002
3012	20:00	0	3014	5:00	0.002
3012	20:05	0	3014	5:05	0.002
3012	20:10	0	3014	5:10	0.002
3012	20:15	0	3014	5:15	0.002
3012	20:20	0	3014	5:20	0.002
3012	20:25	0	3014	5:25	0.002
3012	20:30	0	3014	5:30	0.002
3012	20:35	0	3014	5:35	0.002
3012	20:40	0	3014	5:40	0.002
3012	20:45	0	3014	5:45	0.002
3012	20:50	0	3014	5:50	0.002
3012	20:55	0	3014	5:55	0.002
3012	21:00	0	3014	6:00	0.002
3012	21:05	0	3014	6:05	0.002
3012	21:10	0	3014	6:10	0.002
3012	21:15	0	3014	6:15	0.002
3012	21:20	0	3014	6:20	0.002
3012	21:25	0	3014	6:25	0.002
3012	21:30	0	3014	6:30	0.002
3012	21:35	0	3014	6:35	0.002
3012	21:40	0	3014	6:40	0.002
3012	21:45	0	3014	6:45	0.001
3012	21:50	0	3014	6:50	0.001
3012	21:55	0	3014	6:55	0.001
3012	22:00	0	3014	7:00	0.001
3012	22:05	0	3014	7:05	0.001
3012	22:10	0	3014	7:10	0.001
3012	22:15	0	3014	7:15	0.001
3012	22:20	0	3014	7:20	0.001
3012	22:25	0	3014	7:25	0.001
3012	22:30	0	3014	7:30	0.001
3012	22:35	0	3014	7:35	0.001
3012	22:40	0	3014	7:40	0.001
3012	22:45	0	3014	7:45	0.001
3012	22:50	0	3014	7:50	0.001
3012	22:55	0	3014	7:55	0.001
3012	23:00	0	3014	8:00	0.001
3012	23:05	0	3014	8:05	0.001
3012	23:10	0	3014	8:10	0.001
3012	23:15	0	3014	8:15	0.001
3012	23:20	0	3014	8:20	0.001
3012	23:25	0	3014	8:25	0.001
3012	23:30	0	3014	8:30	0.001
3012	23:35	0	3014	8:35	0.001
3012	23:40	0	3014	8:40	0.001
3012	23:45	0	3014	8:45	0.001
3012	23:50	0	3014	8:50	0.001
3012	23:55	0	3014	8:55	0.001
			3014	9:00	0.001
3014	0:00	0	3014	9:05	0.001
3014	0:05	0	3014	9:10	0.001
3014	0:10	0	3014	9:15	0.001

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3014	9:20	0.001
3014	9:25	0.001
3014	9:30	0.001
3014	9:35	0.001
3014	9:40	0.001
3014	9:45	0.001
3014	9:50	0.001
3014	9:55	0.001
3014	10:00	0.001
3014	10:05	0.001
3014	10:10	0.001
3014	10:15	0.001
3014	10:20	0.001
3014	10:25	0.001
3014	10:30	0.001
3014	10:35	0.001
3014	10:40	0.001
3014	10:45	0.001
3014	10:50	0.001
3014	10:55	0.001
3014	11:00	0.001
3014	11:05	0.001
3014	11:10	0.001
3014	11:15	0.001
3014	11:20	0.001
3014	11:25	0.001
3014	11:30	0.001
3014	11:35	0.001
3014	11:40	0.001
3014	11:45	0.001
3014	11:50	0.001
3014	11:55	0.001
3014	12:00	0.001
3014	12:05	0.001
3014	12:10	0.001
3014	12:15	0.001
3014	12:20	0.001
3014	12:25	0.001
3014	12:30	0.001
3014	12:35	0.001
3014	12:40	0.001
3014	12:45	0.001
3014	12:50	0.001
3014	12:55	0.001
3014	13:00	0.001
3014	13:05	0.001
3014	13:10	0.001
3014	13:15	0.001
3014	13:20	0.001
3014	13:25	0.001
3014	13:30	0.001
3014	13:35	0.001
3014	13:40	0.001
3014	13:45	0.001
3014	13:50	0.001
3014	13:55	0.001
3014	14:00	0.001
3014	14:05	0.001
3014	14:10	0.001
3014	14:15	0.001
3014	14:20	0.001
3014	14:25	0.001
3014	14:30	0.001
3014	14:35	0.001
3014	14:40	0.001
3014	14:45	0.001
3014	14:50	0.001
3014	14:55	0.001
3014	15:00	0.001
3014	15:05	0.001
3014	15:10	0.001
3014	15:15	0.001
3014	15:20	0.001
3014	15:25	0.001
3014	15:30	0.001
3014	15:35	0.001
3014	15:40	0.001
3014	15:45	0.001
3014	15:50	0.001
3014	15:55	0.001
3014	16:00	0.001
3014	16:05	0.001
3014	16:10	0.001
3014	16:15	0.001
3014	16:20	0.001
3014	16:25	0.001
3014	16:30	0.001
3014	16:35	0.001
3014	16:40	0.001
3014	16:45	0.001
3014	16:50	0.001
3014	16:55	0
3014	17:00	0
3014	17:05	0
3014	17:10	0
3014	17:15	0
3014	17:20	0
3014	17:25	0
3014	17:30	0
3014	17:35	0
3014	17:40	0
3014	17:45	0
3014	17:50	0
3014	17:55	0
3014	18:00	0
3014	18:05	0
3014	18:10	0
3014	18:15	0
3014	18:20	0
3014	18:25	0
3014	18:30	0
3014	18:35	0
3014	18:40	0
3014	18:45	0
3014	18:50	0
3014	18:55	0
3014	19:00	0
3014	19:05	0
3014	19:10	0
3014	19:15	0
3014	19:20	0
3014	19:25	0
3014	19:30	0
3014	19:35	0
3014	19:40	0
3014	19:45	0
3014	19:50	0
3014	19:55	0
3014	20:00	0
3014	20:05	0
3014	20:10	0
3014	20:15	0
3014	20:20	0
3014	20:25	0
3014	20:30	0
3014	20:35	0
3014	20:40	0
3014	20:45	0
3014	20:50	0
3014	20:55	0
3014	21:00	0
3014	21:05	0
3014	21:10	0
3014	21:15	0
3014	21:20	0
3014	21:25	0
3014	21:30	0
3014	21:35	0
3014	21:40	0
3014	21:45	0
3014	21:50	0
3014	21:55	0
3014	22:00	0
3014	22:05	0
3014	22:10	0
3014	22:15	0
3014	22:20	0
3014	22:25	0
3014	22:30	0
3014	22:35	0
3014	22:40	0
3014	22:45	0
3014	22:50	0
3014	22:55	0
3014	23:00	0
3014	23:05	0
3014	23:10	0
3014	23:15	0
3014	23:20	0
3014	23:25	0
3014	23:30	0
3014	23:35	0
3014	23:40	0
3014	23:45	0
3014	23:50	0
3014	23:55	0

;Data for 3015S and 31015N combined to create a single inflow condition at MH3015

3015(combined)	0:00	0
3015(combined)	0:05	0
3015(combined)	0:10	0
3015(combined)	0:15	0
3015(combined)	0:20	0
3015(combined)	0:25	0
3015(combined)	0:30	0.001
3015(combined)	0:35	0.002
3015(combined)	0:40	0.003
3015(combined)	0:45	0.006
3015(combined)	0:50	0.012
3015(combined)	0:55	0.025
3015(combined)	1:00	0.042
3015(combined)	1:05	0.042
3015(combined)	1:10	0.042
3015(combined)	1:15	0.042
3015(combined)	1:20	0.042
3015(combined)	1:25	0.041
3015(combined)	1:30	0.039
3015(combined)	1:35	0.031
3015(combined)	1:40	0.025
3015(combined)	1:45	0.02
3015(combined)	1:50	0.018
3015(combined)	1:55	0.016
3015(combined)	2:00	0.013
3015(combined)	2:05	0.011
3015(combined)	2:10	0.01
3015(combined)	2:15	0.01
3015(combined)	2:20	0.008
3015(combined)	2:25	0.007
3015(combined)	2:30	0.007
3015(combined)	2:35	0.007
3015(combined)	2:40	0.006
3015(combined)	2:45	0.006
3015(combined)	2:50	0.005
3015(combined)	2:55	0.004
3015(combined)	3:00	0.004
3015(combined)	3:05	0.005
3015(combined)	3:10	0.004

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Design Storm: 100 Year 3-hour Chicago Storm

3015 (combined)	3:15	0.004	3015 (combined)	12:20	0
3015 (combined)	3:20	0.004	3015 (combined)	12:25	0
3015 (combined)	3:25	0.003	3015 (combined)	12:30	0
3015 (combined)	3:30	0.003	3015 (combined)	12:35	0
3015 (combined)	3:35	0.003	3015 (combined)	12:40	0
3015 (combined)	3:40	0.003	3015 (combined)	12:45	0
3015 (combined)	3:45	0.003	3015 (combined)	12:50	0
3015 (combined)	3:50	0.003	3015 (combined)	12:55	0
3015 (combined)	3:55	0.002	3015 (combined)	13:00	0
3015 (combined)	4:00	0.002	3015 (combined)	13:05	0
3015 (combined)	4:05	0.002	3015 (combined)	13:10	0
3015 (combined)	4:10	0.002	3015 (combined)	13:15	0
3015 (combined)	4:15	0.002	3015 (combined)	13:20	0
3015 (combined)	4:20	0.002	3015 (combined)	13:25	0
3015 (combined)	4:25	0.002	3015 (combined)	13:30	0
3015 (combined)	4:30	0.002	3015 (combined)	13:35	0
3015 (combined)	4:35	0.002	3015 (combined)	13:40	0
3015 (combined)	4:40	0.002	3015 (combined)	13:45	0
3015 (combined)	4:45	0.002	3015 (combined)	13:50	0
3015 (combined)	4:50	0.002	3015 (combined)	13:55	0
3015 (combined)	4:55	0.002	3015 (combined)	14:00	0
3015 (combined)	5:00	0.002	3015 (combined)	14:05	0
3015 (combined)	5:05	0.002	3015 (combined)	14:10	0
3015 (combined)	5:10	0.002	3015 (combined)	14:15	0
3015 (combined)	5:15	0.002	3015 (combined)	14:20	0
3015 (combined)	5:20	0.002	3015 (combined)	14:25	0
3015 (combined)	5:25	0.002	3015 (combined)	14:30	0
3015 (combined)	5:30	0.002	3015 (combined)	14:35	0
3015 (combined)	5:35	0.002	3015 (combined)	14:40	0
3015 (combined)	5:40	0.002	3015 (combined)	14:45	0
3015 (combined)	5:45	0.002	3015 (combined)	14:50	0
3015 (combined)	5:50	0.002	3015 (combined)	14:55	0
3015 (combined)	5:55	0.001	3015 (combined)	15:00	0
3015 (combined)	6:00	0.001	3015 (combined)	15:05	0
3015 (combined)	6:05	0.001	3015 (combined)	15:10	0
3015 (combined)	6:10	0.001	3015 (combined)	15:15	0
3015 (combined)	6:15	0	3015 (combined)	15:20	0
3015 (combined)	6:20	0	3015 (combined)	15:25	0
3015 (combined)	6:25	0	3015 (combined)	15:30	0
3015 (combined)	6:30	0	3015 (combined)	15:35	0
3015 (combined)	6:35	0	3015 (combined)	15:40	0
3015 (combined)	6:40	0	3015 (combined)	15:45	0
3015 (combined)	6:45	0	3015 (combined)	15:50	0
3015 (combined)	6:50	0	3015 (combined)	15:55	0
3015 (combined)	6:55	0	3015 (combined)	16:00	0
3015 (combined)	7:00	0	3015 (combined)	16:05	0
3015 (combined)	7:05	0	3015 (combined)	16:10	0
3015 (combined)	7:10	0	3015 (combined)	16:15	0
3015 (combined)	7:15	0	3015 (combined)	16:20	0
3015 (combined)	7:20	0	3015 (combined)	16:25	0
3015 (combined)	7:25	0	3015 (combined)	16:30	0
3015 (combined)	7:30	0	3015 (combined)	16:35	0
3015 (combined)	7:35	0	3015 (combined)	16:40	0
3015 (combined)	7:40	0	3015 (combined)	16:45	0
3015 (combined)	7:45	0	3015 (combined)	16:50	0
3015 (combined)	7:50	0	3015 (combined)	16:55	0
3015 (combined)	7:55	0	3015 (combined)	17:00	0
3015 (combined)	8:00	0	3015 (combined)	17:05	0
3015 (combined)	8:05	0	3015 (combined)	17:10	0
3015 (combined)	8:10	0	3015 (combined)	17:15	0
3015 (combined)	8:15	0	3015 (combined)	17:20	0
3015 (combined)	8:20	0	3015 (combined)	17:25	0
3015 (combined)	8:25	0	3015 (combined)	17:30	0
3015 (combined)	8:30	0	3015 (combined)	17:35	0
3015 (combined)	8:35	0	3015 (combined)	17:40	0
3015 (combined)	8:40	0	3015 (combined)	17:45	0
3015 (combined)	8:45	0	3015 (combined)	17:50	0
3015 (combined)	8:50	0	3015 (combined)	17:55	0
3015 (combined)	8:55	0	3015 (combined)	18:00	0
3015 (combined)	9:00	0	3015 (combined)	18:05	0
3015 (combined)	9:05	0	3015 (combined)	18:10	0
3015 (combined)	9:10	0	3015 (combined)	18:15	0
3015 (combined)	9:15	0	3015 (combined)	18:20	0
3015 (combined)	9:20	0	3015 (combined)	18:25	0
3015 (combined)	9:25	0	3015 (combined)	18:30	0
3015 (combined)	9:30	0	3015 (combined)	18:35	0
3015 (combined)	9:35	0	3015 (combined)	18:40	0
3015 (combined)	9:40	0	3015 (combined)	18:45	0
3015 (combined)	9:45	0	3015 (combined)	18:50	0
3015 (combined)	9:50	0	3015 (combined)	18:55	0
3015 (combined)	9:55	0	3015 (combined)	19:00	0
3015 (combined)	10:00	0	3015 (combined)	19:05	0
3015 (combined)	10:05	0	3015 (combined)	19:10	0
3015 (combined)	10:10	0	3015 (combined)	19:15	0
3015 (combined)	10:15	0	3015 (combined)	19:20	0
3015 (combined)	10:20	0	3015 (combined)	19:25	0
3015 (combined)	10:25	0	3015 (combined)	19:30	0
3015 (combined)	10:30	0	3015 (combined)	19:35	0
3015 (combined)	10:35	0	3015 (combined)	19:40	0
3015 (combined)	10:40	0	3015 (combined)	19:45	0
3015 (combined)	10:45	0	3015 (combined)	19:50	0
3015 (combined)	10:50	0	3015 (combined)	19:55	0
3015 (combined)	10:55	0	3015 (combined)	20:00	0
3015 (combined)	11:00	0	3015 (combined)	20:05	0
3015 (combined)	11:05	0	3015 (combined)	20:10	0
3015 (combined)	11:10	0	3015 (combined)	20:15	0
3015 (combined)	11:15	0	3015 (combined)	20:20	0
3015 (combined)	11:20	0	3015 (combined)	20:25	0
3015 (combined)	11:25	0	3015 (combined)	20:30	0
3015 (combined)	11:30	0	3015 (combined)	20:35	0
3015 (combined)	11:35	0	3015 (combined)	20:40	0
3015 (combined)	11:40	0	3015 (combined)	20:45	0
3015 (combined)	11:45	0	3015 (combined)	20:50	0
3015 (combined)	11:50	0	3015 (combined)	20:55	0
3015 (combined)	11:55	0	3015 (combined)	21:00	0
3015 (combined)	12:00	0	3015 (combined)	21:05	0
3015 (combined)	12:05	0	3015 (combined)	21:10	0
3015 (combined)	12:10	0	3015 (combined)	21:15	0
3015 (combined)	12:15	0	3015 (combined)	21:20	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3015 (combined)	21:25	0
3015 (combined)	21:30	0
3015 (combined)	21:35	0
3015 (combined)	21:40	0
3015 (combined)	21:45	0
3015 (combined)	21:50	0
3015 (combined)	21:55	0
3015 (combined)	22:00	0
3015 (combined)	22:05	0
3015 (combined)	22:10	0
3015 (combined)	22:15	0
3015 (combined)	22:20	0
3015 (combined)	22:25	0
3015 (combined)	22:30	0
3015 (combined)	22:35	0
3015 (combined)	22:40	0
3015 (combined)	22:45	0
3015 (combined)	22:50	0
3015 (combined)	22:55	0
3015 (combined)	23:00	0
3015 (combined)	23:05	0
3015 (combined)	23:10	0
3015 (combined)	23:15	0
3015 (combined)	23:20	0
3015 (combined)	23:25	0
3015 (combined)	23:30	0
3015 (combined)	23:35	0
3015 (combined)	23:40	0
3015 (combined)	23:45	0
3015 (combined)	23:50	0
3015 (combined)	23:55	0
3017	0:00	0
3017	0:05	0
3017	0:10	0
3017	0:15	0
3017	0:20	0.001
3017	0:25	0.001
3017	0:30	0.002
3017	0:35	0.002
3017	0:40	0.004
3017	0:45	0.005
3017	0:50	0.021
3017	0:55	0.021
3017	1:00	0.021
3017	1:05	0.021
3017	1:10	0.021
3017	1:15	0.021
3017	1:20	0.021
3017	1:25	0.013
3017	1:30	0.007
3017	1:35	0.003
3017	1:40	0.001
3017	1:45	0.002
3017	1:50	0.001
3017	1:55	0.001
3017	2:00	0.001
3017	2:05	0.001
3017	2:10	0.001
3017	2:15	0.001
3017	2:20	0.001
3017	2:25	0.001
3017	2:30	0.001
3017	2:35	0.001
3017	2:40	0.001
3017	2:45	0.001
3017	2:50	0.001
3017	2:55	0.001
3017	3:00	0
3017	3:05	0
3017	3:10	0
3017	3:15	0
3017	3:20	0
3017	3:25	0
3017	3:30	0
3017	3:35	0
3017	3:40	0
3017	3:45	0
3017	3:50	0
3017	3:55	0
3017	4:00	0
3017	4:05	0
3017	4:10	0
3017	4:15	0
3017	4:20	0
3017	4:25	0
3017	4:30	0
3017	4:35	0
3017	4:40	0
3017	4:45	0
3017	4:50	0
3017	4:55	0
3017	5:00	0
3017	5:05	0
3017	5:10	0
3017	5:15	0
3017	5:20	0
3017	5:25	0
3017	5:30	0
3017	5:35	0
3017	5:40	0
3017	5:45	0
3017	5:50	0
3017	5:55	0
3017	6:00	0
3017	6:05	0
3017	6:10	0
3017	6:15	0
3017	6:20	0
3017	6:25	0
3017	6:30	0
3017	6:35	0
3017	6:40	0
3017	6:45	0
3017	6:50	0
3017	6:55	0
3017	7:00	0
3017	7:05	0
3017	7:10	0
3017	7:15	0
3017	7:20	0
3017	7:25	0
3017	7:30	0
3017	7:35	0
3017	7:40	0
3017	7:45	0
3017	7:50	0
3017	7:55	0
3017	8:00	0
3017	8:05	0
3017	8:10	0
3017	8:15	0
3017	8:20	0
3017	8:25	0
3017	8:30	0
3017	8:35	0
3017	8:40	0
3017	8:45	0
3017	8:50	0
3017	8:55	0
3017	9:00	0
3017	9:05	0
3017	9:10	0
3017	9:15	0
3017	9:20	0
3017	9:25	0
3017	9:30	0
3017	9:35	0
3017	9:40	0
3017	9:45	0
3017	9:50	0
3017	9:55	0
3017	10:00	0
3017	10:05	0
3017	10:10	0
3017	10:15	0
3017	10:20	0
3017	10:25	0
3017	10:30	0
3017	10:35	0
3017	10:40	0
3017	10:45	0
3017	10:50	0
3017	10:55	0
3017	11:00	0
3017	11:05	0
3017	11:10	0
3017	11:15	0
3017	11:20	0
3017	11:25	0
3017	11:30	0
3017	11:35	0
3017	11:40	0
3017	11:45	0
3017	11:50	0
3017	11:55	0
3017	12:00	0
3017	12:05	0
3017	12:10	0
3017	12:15	0
3017	12:20	0
3017	12:25	0
3017	12:30	0
3017	12:35	0
3017	12:40	0
3017	12:45	0
3017	12:50	0
3017	12:55	0
3017	13:00	0
3017	13:05	0
3017	13:10	0
3017	13:15	0
3017	13:20	0
3017	13:25	0
3017	13:30	0
3017	13:35	0
3017	13:40	0
3017	13:45	0
3017	13:50	0
3017	13:55	0
3017	14:00	0
3017	14:05	0
3017	14:10	0
3017	14:15	0
3017	14:20	0
3017	14:25	0
3017	14:30	0
3017	14:35	0
3017	14:40	0
3017	14:45	0
3017	14:50	0
3017	14:55	0
3017	15:00	0
3017	15:05	0
3017	15:10	0
3017	15:15	0
3017	15:20	0
3017	15:25	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3017	15:30	0	3020	0:30	0.007
3017	15:35	0	3020	0:35	0.014
3017	15:40	0	3020	0:40	0.023
3017	15:45	0	3020	0:45	0.039
3017	15:50	0	3020	0:50	0.077
3017	15:55	0	3020	0:55	0.106
3017	16:00	0	3020	1:00	0.106
3017	16:05	0	3020	1:05	0.102
3017	16:10	0	3020	1:10	0.091
3017	16:15	0	3020	1:15	0.083
3017	16:20	0	3020	1:20	0.078
3017	16:25	0	3020	1:25	0.069
3017	16:30	0	3020	1:30	0.052
3017	16:35	0	3020	1:35	0.042
3017	16:40	0	3020	1:40	0.035
3017	16:45	0	3020	1:45	0.03
3017	16:50	0	3020	1:50	0.026
3017	16:55	0	3020	1:55	0.023
3017	17:00	0	3020	2:00	0.02
3017	17:05	0	3020	2:05	0.018
3017	17:10	0	3020	2:10	0.016
3017	17:15	0	3020	2:15	0.015
3017	17:20	0	3020	2:20	0.013
3017	17:25	0	3020	2:25	0.012
3017	17:30	0	3020	2:30	0.012
3017	17:35	0	3020	2:35	0.011
3017	17:40	0	3020	2:40	0.01
3017	17:45	0	3020	2:45	0.01
3017	17:50	0	3020	2:50	0.01
3017	17:55	0	3020	2:55	0.009
3017	18:00	0	3020	3:00	0.009
3017	18:05	0	3020	3:05	0.009
3017	18:10	0	3020	3:10	0.008
3017	18:15	0	3020	3:15	0.007
3017	18:20	0	3020	3:20	0.006
3017	18:25	0	3020	3:25	0.005
3017	18:30	0	3020	3:30	0.005
3017	18:35	0	3020	3:35	0.004
3017	18:40	0	3020	3:40	0.004
3017	18:45	0	3020	3:45	0.004
3017	18:50	0	3020	3:50	0.003
3017	18:55	0	3020	3:55	0.003
3017	19:00	0	3020	4:00	0.003
3017	19:05	0	3020	4:05	0.003
3017	19:10	0	3020	4:10	0.003
3017	19:15	0	3020	4:15	0.003
3017	19:20	0	3020	4:20	0.002
3017	19:25	0	3020	4:25	0.002
3017	19:30	0	3020	4:30	0.002
3017	19:35	0	3020	4:35	0.002
3017	19:40	0	3020	4:40	0.002
3017	19:45	0	3020	4:45	0.002
3017	19:50	0	3020	4:50	0.002
3017	19:55	0	3020	4:55	0.002
3017	20:00	0	3020	5:00	0.002
3017	20:05	0	3020	5:05	0.002
3017	20:10	0	3020	5:10	0.002
3017	20:15	0	3020	5:15	0.002
3017	20:20	0	3020	5:20	0.002
3017	20:25	0	3020	5:25	0.002
3017	20:30	0	3020	5:30	0.002
3017	20:35	0	3020	5:35	0.002
3017	20:40	0	3020	5:40	0.001
3017	20:45	0	3020	5:45	0.001
3017	20:50	0	3020	5:50	0.001
3017	20:55	0	3020	5:55	0.001
3017	21:00	0	3020	6:00	0.001
3017	21:05	0	3020	6:05	0.001
3017	21:10	0	3020	6:10	0.001
3017	21:15	0	3020	6:15	0.001
3017	21:20	0	3020	6:20	0.001
3017	21:25	0	3020	6:25	0.001
3017	21:30	0	3020	6:30	0.001
3017	21:35	0	3020	6:35	0.001
3017	21:40	0	3020	6:40	0.001
3017	21:45	0	3020	6:45	0.001
3017	21:50	0	3020	6:50	0.001
3017	21:55	0	3020	6:55	0.001
3017	22:00	0	3020	7:00	0.001
3017	22:05	0	3020	7:05	0.001
3017	22:10	0	3020	7:10	0.001
3017	22:15	0	3020	7:15	0.001
3017	22:20	0	3020	7:20	0.001
3017	22:25	0	3020	7:25	0.001
3017	22:30	0	3020	7:30	0.001
3017	22:35	0	3020	7:35	0.001
3017	22:40	0	3020	7:40	0.001
3017	22:45	0	3020	7:45	0.001
3017	22:50	0	3020	7:50	0.001
3017	22:55	0	3020	7:55	0.001
3017	23:00	0	3020	8:00	0.001
3017	23:05	0	3020	8:05	0.001
3017	23:10	0	3020	8:10	0.001
3017	23:15	0	3020	8:15	0.001
3017	23:20	0	3020	8:20	0.001
3017	23:25	0	3020	8:25	0.001
3017	23:30	0	3020	8:30	0.001
3017	23:35	0	3020	8:35	0.001
3017	23:40	0	3020	8:40	0.001
3017	23:45	0	3020	8:45	0.001
3017	23:50	0	3020	8:50	0.001
3017	23:55	0	3020	8:55	0.001
			3020	9:00	0.001
3020	0:00	0	3020	9:05	0.001
3020	0:05	0	3020	9:10	0.001
3020	0:10	0	3020	9:15	0.001
3020	0:15	0	3020	9:20	0.001
3020	0:20	0.001	3020	9:25	0.001
3020	0:25	0.003	3020	9:30	0.001

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3020	9:35	0.001	3020	18:40	0
3020	9:40	0.001	3020	18:45	0
3020	9:45	0.001	3020	18:50	0
3020	9:50	0.001	3020	18:55	0
3020	9:55	0.001	3020	19:00	0
3020	10:00	0.001	3020	19:05	0
3020	10:05	0.001	3020	19:10	0
3020	10:10	0.001	3020	19:15	0
3020	10:15	0.001	3020	19:20	0
3020	10:20	0.001	3020	19:25	0
3020	10:25	0.001	3020	19:30	0
3020	10:30	0.001	3020	19:35	0
3020	10:35	0.001	3020	19:40	0
3020	10:40	0.001	3020	19:45	0
3020	10:45	0.001	3020	19:50	0
3020	10:50	0.001	3020	19:55	0
3020	10:55	0.001	3020	20:00	0
3020	11:00	0.001	3020	20:05	0
3020	11:05	0.001	3020	20:10	0
3020	11:10	0.001	3020	20:15	0
3020	11:15	0.001	3020	20:20	0
3020	11:20	0.001	3020	20:25	0
3020	11:25	0.001	3020	20:30	0
3020	11:30	0.001	3020	20:35	0
3020	11:35	0.001	3020	20:40	0
3020	11:40	0.001	3020	20:45	0
3020	11:45	0.001	3020	20:50	0
3020	11:50	0.001	3020	20:55	0
3020	11:55	0.001	3020	21:00	0
3020	12:00	0.001	3020	21:05	0
3020	12:05	0.001	3020	21:10	0
3020	12:10	0.001	3020	21:15	0
3020	12:15	0.001	3020	21:20	0
3020	12:20	0	3020	21:25	0
3020	12:25	0	3020	21:30	0
3020	12:30	0	3020	21:35	0
3020	12:35	0	3020	21:40	0
3020	12:40	0	3020	21:45	0
3020	12:45	0	3020	21:50	0
3020	12:50	0	3020	21:55	0
3020	12:55	0	3020	22:00	0
3020	13:00	0	3020	22:05	0
3020	13:05	0	3020	22:10	0
3020	13:10	0	3020	22:15	0
3020	13:15	0	3020	22:20	0
3020	13:20	0	3020	22:25	0
3020	13:25	0	3020	22:30	0
3020	13:30	0	3020	22:35	0
3020	13:35	0	3020	22:40	0
3020	13:40	0	3020	22:45	0
3020	13:45	0	3020	22:50	0
3020	13:50	0	3020	22:55	0
3020	13:55	0	3020	23:00	0
3020	14:00	0	3020	23:05	0
3020	14:05	0	3020	23:10	0
3020	14:10	0	3020	23:15	0
3020	14:15	0	3020	23:20	0
3020	14:20	0	3020	23:25	0
3020	14:25	0	3020	23:30	0
3020	14:30	0	3020	23:35	0
3020	14:35	0	3020	23:40	0
3020	14:40	0	3020	23:45	0
3020	14:45	0	3020	23:50	0
3020	14:50	0	3020	23:55	0
3020	14:55	0			
3020	15:00	0	3021	0:00	0
3020	15:05	0	3021	0:05	0
3020	15:10	0	3021	0:10	0
3020	15:15	0	3021	0:15	0
3020	15:20	0	3021	0:20	0
3020	15:25	0	3021	0:25	0
3020	15:30	0	3021	0:30	0.001
3020	15:35	0	3021	0:35	0.001
3020	15:40	0	3021	0:40	0.002
3020	15:45	0	3021	0:45	0.003
3020	15:50	0	3021	0:50	0.018
3020	15:55	0	3021	0:55	0.021
3020	16:00	0	3021	1:00	0.021
3020	16:05	0	3021	1:05	0.021
3020	16:10	0	3021	1:10	0.021
3020	16:15	0	3021	1:15	0.021
3020	16:20	0	3021	1:20	0.019
3020	16:25	0	3021	1:25	0.014
3020	16:30	0	3021	1:30	0.01
3020	16:35	0	3021	1:35	0.007
3020	16:40	0	3021	1:40	0.005
3020	16:45	0	3021	1:45	0.004
3020	16:50	0	3021	1:50	0.004
3020	16:55	0	3021	1:55	0.003
3020	17:00	0	3021	2:00	0.003
3020	17:05	0	3021	2:05	0.002
3020	17:10	0	3021	2:10	0.002
3020	17:15	0	3021	2:15	0.002
3020	17:20	0	3021	2:20	0.002
3020	17:25	0	3021	2:25	0.001
3020	17:30	0	3021	2:30	0.001
3020	17:35	0	3021	2:35	0.001
3020	17:40	0	3021	2:40	0.001
3020	17:45	0	3021	2:45	0.001
3020	17:50	0	3021	2:50	0.001
3020	17:55	0	3021	2:55	0.001
3020	18:00	0	3021	3:00	0.001
3020	18:05	0	3021	3:05	0.001
3020	18:10	0	3021	3:10	0.001
3020	18:15	0	3021	3:15	0.001
3020	18:20	0	3021	3:20	0.001
3020	18:25	0	3021	3:25	0.001
3020	18:30	0	3021	3:30	0.001
3020	18:35	0	3021	3:35	0.001

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3021	3:40	0.001	3021	12:45	0
3021	3:45	0.001	3021	12:50	0
3021	3:50	0.001	3021	12:55	0
3021	3:55	0.001	3021	13:00	0
3021	4:00	0	3021	13:05	0
3021	4:05	0	3021	13:10	0
3021	4:10	0	3021	13:15	0
3021	4:15	0	3021	13:20	0
3021	4:20	0	3021	13:25	0
3021	4:25	0	3021	13:30	0
3021	4:30	0	3021	13:35	0
3021	4:35	0	3021	13:40	0
3021	4:40	0	3021	13:45	0
3021	4:45	0	3021	13:50	0
3021	4:50	0	3021	13:55	0
3021	4:55	0	3021	14:00	0
3021	5:00	0	3021	14:05	0
3021	5:05	0	3021	14:10	0
3021	5:10	0	3021	14:15	0
3021	5:15	0	3021	14:20	0
3021	5:20	0	3021	14:25	0
3021	5:25	0	3021	14:30	0
3021	5:30	0	3021	14:35	0
3021	5:35	0	3021	14:40	0
3021	5:40	0	3021	14:45	0
3021	5:45	0	3021	14:50	0
3021	5:50	0	3021	14:55	0
3021	5:55	0	3021	15:00	0
3021	6:00	0	3021	15:05	0
3021	6:05	0	3021	15:10	0
3021	6:10	0	3021	15:15	0
3021	6:15	0	3021	15:20	0
3021	6:20	0	3021	15:25	0
3021	6:25	0	3021	15:30	0
3021	6:30	0	3021	15:35	0
3021	6:35	0	3021	15:40	0
3021	6:40	0	3021	15:45	0
3021	6:45	0	3021	15:50	0
3021	6:50	0	3021	15:55	0
3021	6:55	0	3021	16:00	0
3021	7:00	0	3021	16:05	0
3021	7:05	0	3021	16:10	0
3021	7:10	0	3021	16:15	0
3021	7:15	0	3021	16:20	0
3021	7:20	0	3021	16:25	0
3021	7:25	0	3021	16:30	0
3021	7:30	0	3021	16:35	0
3021	7:35	0	3021	16:40	0
3021	7:40	0	3021	16:45	0
3021	7:45	0	3021	16:50	0
3021	7:50	0	3021	16:55	0
3021	7:55	0	3021	17:00	0
3021	8:00	0	3021	17:05	0
3021	8:05	0	3021	17:10	0
3021	8:10	0	3021	17:15	0
3021	8:15	0	3021	17:20	0
3021	8:20	0	3021	17:25	0
3021	8:25	0	3021	17:30	0
3021	8:30	0	3021	17:35	0
3021	8:35	0	3021	17:40	0
3021	8:40	0	3021	17:45	0
3021	8:45	0	3021	17:50	0
3021	8:50	0	3021	17:55	0
3021	8:55	0	3021	18:00	0
3021	9:00	0	3021	18:05	0
3021	9:05	0	3021	18:10	0
3021	9:10	0	3021	18:15	0
3021	9:15	0	3021	18:20	0
3021	9:20	0	3021	18:25	0
3021	9:25	0	3021	18:30	0
3021	9:30	0	3021	18:35	0
3021	9:35	0	3021	18:40	0
3021	9:40	0	3021	18:45	0
3021	9:45	0	3021	18:50	0
3021	9:50	0	3021	18:55	0
3021	9:55	0	3021	19:00	0
3021	10:00	0	3021	19:05	0
3021	10:05	0	3021	19:10	0
3021	10:10	0	3021	19:15	0
3021	10:15	0	3021	19:20	0
3021	10:20	0	3021	19:25	0
3021	10:25	0	3021	19:30	0
3021	10:30	0	3021	19:35	0
3021	10:35	0	3021	19:40	0
3021	10:40	0	3021	19:45	0
3021	10:45	0	3021	19:50	0
3021	10:50	0	3021	19:55	0
3021	10:55	0	3021	20:00	0
3021	11:00	0	3021	20:05	0
3021	11:05	0	3021	20:10	0
3021	11:10	0	3021	20:15	0
3021	11:15	0	3021	20:20	0
3021	11:20	0	3021	20:25	0
3021	11:25	0	3021	20:30	0
3021	11:30	0	3021	20:35	0
3021	11:35	0	3021	20:40	0
3021	11:40	0	3021	20:45	0
3021	11:45	0	3021	20:50	0
3021	11:50	0	3021	20:55	0
3021	11:55	0	3021	21:00	0
3021	12:00	0	3021	21:05	0
3021	12:05	0	3021	21:10	0
3021	12:10	0	3021	21:15	0
3021	12:15	0	3021	21:20	0
3021	12:20	0	3021	21:25	0
3021	12:25	0	3021	21:30	0
3021	12:30	0	3021	21:35	0
3021	12:35	0	3021	21:40	0
3021	12:40	0	3021	21:45	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3021	21:50	0	3022	6:50	0.001
3021	21:55	0	3022	6:55	0.001
3021	22:00	0	3022	7:00	0.001
3021	22:05	0	3022	7:05	0.001
3021	22:10	0	3022	7:10	0.001
3021	22:15	0	3022	7:15	0.001
3021	22:20	0	3022	7:20	0.001
3021	22:25	0	3022	7:25	0.001
3021	22:30	0	3022	7:30	0.001
3021	22:35	0	3022	7:35	0.001
3021	22:40	0	3022	7:40	0.001
3021	22:45	0	3022	7:45	0.001
3021	22:50	0	3022	7:50	0.001
3021	22:55	0	3022	7:55	0.001
3021	23:00	0	3022	8:00	0.001
3021	23:05	0	3022	8:05	0.001
3021	23:10	0	3022	8:10	0.001
3021	23:15	0	3022	8:15	0.001
3021	23:20	0	3022	8:20	0.001
3021	23:25	0	3022	8:25	0.001
3021	23:30	0	3022	8:30	0.001
3021	23:35	0	3022	8:35	0.001
3021	23:40	0	3022	8:40	0.001
3021	23:45	0	3022	8:45	0.001
3021	23:50	0	3022	8:50	0.001
3021	23:55	0	3022	8:55	0.001
			3022	9:00	0.001
3022	0:00	0	3022	9:05	0.001
3022	0:05	0	3022	9:10	0.001
3022	0:10	0	3022	9:15	0.001
3022	0:15	0	3022	9:20	0.001
3022	0:20	0	3022	9:25	0.001
3022	0:25	0	3022	9:30	0.001
3022	0:30	0.003	3022	9:35	0.001
3022	0:35	0.006	3022	9:40	0.001
3022	0:40	0.009	3022	9:45	0.001
3022	0:45	0.017	3022	9:50	0.001
3022	0:50	0.024	3022	9:55	0.001
3022	0:55	0.042	3022	10:00	0.001
3022	1:00	0.042	3022	10:05	0.001
3022	1:05	0.042	3022	10:10	0.001
3022	1:10	0.042	3022	10:15	0.001
3022	1:15	0.042	3022	10:20	0.001
3022	1:20	0.042	3022	10:25	0.001
3022	1:25	0.042	3022	10:30	0.001
3022	1:30	0.041	3022	10:35	0
3022	1:35	0.037	3022	10:40	0
3022	1:40	0.032	3022	10:45	0
3022	1:45	0.028	3022	10:50	0
3022	1:50	0.025	3022	10:55	0
3022	1:55	0.022	3022	11:00	0
3022	2:00	0.02	3022	11:05	0
3022	2:05	0.017	3022	11:10	0
3022	2:10	0.016	3022	11:15	0
3022	2:15	0.014	3022	11:20	0
3022	2:20	0.013	3022	11:25	0
3022	2:25	0.012	3022	11:30	0
3022	2:30	0.011	3022	11:35	0
3022	2:35	0.01	3022	11:40	0
3022	2:40	0.009	3022	11:45	0
3022	2:45	0.009	3022	11:50	0
3022	2:50	0.008	3022	11:55	0
3022	2:55	0.008	3022	12:00	0
3022	3:00	0.008	3022	12:05	0
3022	3:05	0.008	3022	12:10	0
3022	3:10	0.007	3022	12:15	0
3022	3:15	0.006	3022	12:20	0
3022	3:20	0.006	3022	12:25	0
3022	3:25	0.005	3022	12:30	0
3022	3:30	0.004	3022	12:35	0
3022	3:35	0.004	3022	12:40	0
3022	3:40	0.004	3022	12:45	0
3022	3:45	0.003	3022	12:50	0
3022	3:50	0.003	3022	12:55	0
3022	3:55	0.003	3022	13:00	0
3022	4:00	0.003	3022	13:05	0
3022	4:05	0.002	3022	13:10	0
3022	4:10	0.002	3022	13:15	0
3022	4:15	0.002	3022	13:20	0
3022	4:20	0.002	3022	13:25	0
3022	4:25	0.002	3022	13:30	0
3022	4:30	0.002	3022	13:35	0
3022	4:35	0.002	3022	13:40	0
3022	4:40	0.002	3022	13:45	0
3022	4:45	0.002	3022	13:50	0
3022	4:50	0.002	3022	13:55	0
3022	4:55	0.002	3022	14:00	0
3022	5:00	0.002	3022	14:05	0
3022	5:05	0.001	3022	14:10	0
3022	5:10	0.001	3022	14:15	0
3022	5:15	0.001	3022	14:20	0
3022	5:20	0.001	3022	14:25	0
3022	5:25	0.001	3022	14:30	0
3022	5:30	0.001	3022	14:35	0
3022	5:35	0.001	3022	14:40	0
3022	5:40	0.001	3022	14:45	0
3022	5:45	0.001	3022	14:50	0
3022	5:50	0.001	3022	14:55	0
3022	5:55	0.001	3022	15:00	0
3022	6:00	0.001	3022	15:05	0
3022	6:05	0.001	3022	15:10	0
3022	6:10	0.001	3022	15:15	0
3022	6:15	0.001	3022	15:20	0
3022	6:20	0.001	3022	15:25	0
3022	6:25	0.001	3022	15:30	0
3022	6:30	0.001	3022	15:35	0
3022	6:35	0.001	3022	15:40	0
3022	6:40	0.001	3022	15:45	0
3022	6:45	0.001	3022	15:50	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3022	15:55	0	3023	0:55	0.021
3022	16:00	0	3023	1:00	0.021
3022	16:05	0	3023	1:05	0.021
3022	16:10	0	3023	1:10	0.021
3022	16:15	0	3023	1:15	0.021
3022	16:20	0	3023	1:20	0.021
3022	16:25	0	3023	1:25	0.018
3022	16:30	0	3023	1:30	0.012
3022	16:35	0	3023	1:35	0.009
3022	16:40	0	3023	1:40	0.008
3022	16:45	0	3023	1:45	0.007
3022	16:50	0	3023	1:50	0.006
3022	16:55	0	3023	1:55	0.005
3022	17:00	0	3023	2:00	0.005
3022	17:05	0	3023	2:05	0.005
3022	17:10	0	3023	2:10	0.004
3022	17:15	0	3023	2:15	0.004
3022	17:20	0	3023	2:20	0.004
3022	17:25	0	3023	2:25	0.004
3022	17:30	0	3023	2:30	0.003
3022	17:35	0	3023	2:35	0.003
3022	17:40	0	3023	2:40	0.003
3022	17:45	0	3023	2:45	0.003
3022	17:50	0	3023	2:50	0.003
3022	17:55	0	3023	2:55	0.003
3022	18:00	0	3023	3:00	0.003
3022	18:05	0	3023	3:05	0.003
3022	18:10	0	3023	3:10	0.002
3022	18:15	0	3023	3:15	0.002
3022	18:20	0	3023	3:20	0.002
3022	18:25	0	3023	3:25	0.001
3022	18:30	0	3023	3:30	0.001
3022	18:35	0	3023	3:35	0.001
3022	18:40	0	3023	3:40	0.001
3022	18:45	0	3023	3:45	0.001
3022	18:50	0	3023	3:50	0.001
3022	18:55	0	3023	3:55	0.001
3022	19:00	0	3023	4:00	0.001
3022	19:05	0	3023	4:05	0.001
3022	19:10	0	3023	4:10	0.001
3022	19:15	0	3023	4:15	0.001
3022	19:20	0	3023	4:20	0.001
3022	19:25	0	3023	4:25	0.001
3022	19:30	0	3023	4:30	0.001
3022	19:35	0	3023	4:35	0.001
3022	19:40	0	3023	4:40	0.001
3022	19:45	0	3023	4:45	0.001
3022	19:50	0	3023	4:50	0.001
3022	19:55	0	3023	4:55	0.001
3022	20:00	0	3023	5:00	0
3022	20:05	0	3023	5:05	0
3022	20:10	0	3023	5:10	0
3022	20:15	0	3023	5:15	0
3022	20:20	0	3023	5:20	0
3022	20:25	0	3023	5:25	0
3022	20:30	0	3023	5:30	0
3022	20:35	0	3023	5:35	0
3022	20:40	0	3023	5:40	0
3022	20:45	0	3023	5:45	0
3022	20:50	0	3023	5:50	0
3022	20:55	0	3023	5:55	0
3022	21:00	0	3023	6:00	0
3022	21:05	0	3023	6:05	0
3022	21:10	0	3023	6:10	0
3022	21:15	0	3023	6:15	0
3022	21:20	0	3023	6:20	0
3022	21:25	0	3023	6:25	0
3022	21:30	0	3023	6:30	0
3022	21:35	0	3023	6:35	0
3022	21:40	0	3023	6:40	0
3022	21:45	0	3023	6:45	0
3022	21:50	0	3023	6:50	0
3022	21:55	0	3023	6:55	0
3022	22:00	0	3023	7:00	0
3022	22:05	0	3023	7:05	0
3022	22:10	0	3023	7:10	0
3022	22:15	0	3023	7:15	0
3022	22:20	0	3023	7:20	0
3022	22:25	0	3023	7:25	0
3022	22:30	0	3023	7:30	0
3022	22:35	0	3023	7:35	0
3022	22:40	0	3023	7:40	0
3022	22:45	0	3023	7:45	0
3022	22:50	0	3023	7:50	0
3022	22:55	0	3023	7:55	0
3022	23:00	0	3023	8:00	0
3022	23:05	0	3023	8:05	0
3022	23:10	0	3023	8:10	0
3022	23:15	0	3023	8:15	0
3022	23:20	0	3023	8:20	0
3022	23:25	0	3023	8:25	0
3022	23:30	0	3023	8:30	0
3022	23:35	0	3023	8:35	0
3022	23:40	0	3023	8:40	0
3022	23:45	0	3023	8:45	0
3022	23:50	0	3023	8:50	0
3022	23:55	0	3023	8:55	0
			3023	9:00	0
3023	0:00	0	3023	9:05	0
3023	0:05	0	3023	9:10	0
3023	0:10	0	3023	9:15	0
3023	0:15	0	3023	9:20	0
3023	0:20	0	3023	9:25	0
3023	0:25	0.001	3023	9:30	0
3023	0:30	0.002	3023	9:35	0
3023	0:35	0.005	3023	9:40	0
3023	0:40	0.008	3023	9:45	0
3023	0:45	0.014	3023	9:50	0
3023	0:50	0.021	3023	9:55	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3023	10:00	0	3023	19:05	0
3023	10:05	0	3023	19:10	0
3023	10:10	0	3023	19:15	0
3023	10:15	0	3023	19:20	0
3023	10:20	0	3023	19:25	0
3023	10:25	0	3023	19:30	0
3023	10:30	0	3023	19:35	0
3023	10:35	0	3023	19:40	0
3023	10:40	0	3023	19:45	0
3023	10:45	0	3023	19:50	0
3023	10:50	0	3023	19:55	0
3023	10:55	0	3023	20:00	0
3023	11:00	0	3023	20:05	0
3023	11:05	0	3023	20:10	0
3023	11:10	0	3023	20:15	0
3023	11:15	0	3023	20:20	0
3023	11:20	0	3023	20:25	0
3023	11:25	0	3023	20:30	0
3023	11:30	0	3023	20:35	0
3023	11:35	0	3023	20:40	0
3023	11:40	0	3023	20:45	0
3023	11:45	0	3023	20:50	0
3023	11:50	0	3023	20:55	0
3023	11:55	0	3023	21:00	0
3023	12:00	0	3023	21:05	0
3023	12:05	0	3023	21:10	0
3023	12:10	0	3023	21:15	0
3023	12:15	0	3023	21:20	0
3023	12:20	0	3023	21:25	0
3023	12:25	0	3023	21:30	0
3023	12:30	0	3023	21:35	0
3023	12:35	0	3023	21:40	0
3023	12:40	0	3023	21:45	0
3023	12:45	0	3023	21:50	0
3023	12:50	0	3023	21:55	0
3023	12:55	0	3023	22:00	0
3023	13:00	0	3023	22:05	0
3023	13:05	0	3023	22:10	0
3023	13:10	0	3023	22:15	0
3023	13:15	0	3023	22:20	0
3023	13:20	0	3023	22:25	0
3023	13:25	0	3023	22:30	0
3023	13:30	0	3023	22:35	0
3023	13:35	0	3023	22:40	0
3023	13:40	0	3023	22:45	0
3023	13:45	0	3023	22:50	0
3023	13:50	0	3023	22:55	0
3023	13:55	0	3023	23:00	0
3023	14:00	0	3023	23:05	0
3023	14:05	0	3023	23:10	0
3023	14:10	0	3023	23:15	0
3023	14:15	0	3023	23:20	0
3023	14:20	0	3023	23:25	0
3023	14:25	0	3023	23:30	0
3023	14:30	0	3023	23:35	0
3023	14:35	0	3023	23:40	0
3023	14:40	0	3023	23:45	0
3023	14:45	0	3023	23:50	0
3023	14:50	0	3023	23:55	0
3023	14:55	0			
3023	15:00	0	3024	0:00	0
3023	15:05	0	3024	0:05	0
3023	15:10	0	3024	0:10	0
3023	15:15	0	3024	0:15	0
3023	15:20	0	3024	0:20	0
3023	15:25	0	3024	0:25	0
3023	15:30	0	3024	0:30	0.001
3023	15:35	0	3024	0:35	0.002
3023	15:40	0	3024	0:40	0.002
3023	15:45	0	3024	0:45	0.005
3023	15:50	0	3024	0:50	0.002
3023	15:55	0	3024	0:55	0.021
3023	16:00	0	3024	1:00	0.021
3023	16:05	0	3024	1:05	0.021
3023	16:10	0	3024	1:10	0.021
3023	16:15	0	3024	1:15	0.021
3023	16:20	0	3024	1:20	0.021
3023	16:25	0	3024	1:25	0.021
3023	16:30	0	3024	1:30	0.021
3023	16:35	0	3024	1:35	0.021
3023	16:40	0	3024	1:40	0.019
3023	16:45	0	3024	1:45	0.015
3023	16:50	0	3024	1:50	0.013
3023	16:55	0	3024	1:55	0.011
3023	17:00	0	3024	2:00	0.01
3023	17:05	0	3024	2:05	0.008
3023	17:10	0	3024	2:10	0.007
3023	17:15	0	3024	2:15	0.006
3023	17:20	0	3024	2:20	0.006
3023	17:25	0	3024	2:25	0.005
3023	17:30	0	3024	2:30	0.004
3023	17:35	0	3024	2:35	0.004
3023	17:40	0	3024	2:40	0.003
3023	17:45	0	3024	2:45	0.003
3023	17:50	0	3024	2:50	0.003
3023	17:55	0	3024	2:55	0.003
3023	18:00	0	3024	3:00	0.003
3023	18:05	0	3024	3:05	0.003
3023	18:10	0	3024	3:10	0.003
3023	18:15	0	3024	3:15	0.003
3023	18:20	0	3024	3:20	0.002
3023	18:25	0	3024	3:25	0.002
3023	18:30	0	3024	3:30	0.002
3023	18:35	0	3024	3:35	0.002
3023	18:40	0	3024	3:40	0.002
3023	18:45	0	3024	3:45	0.001
3023	18:50	0	3024	3:50	0.001
3023	18:55	0	3024	3:55	0.001
3023	19:00	0	3024	4:00	0.001

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3024	4:05	0.001	3024	13:10	0
3024	4:10	0.001	3024	13:15	0
3024	4:15	0.001	3024	13:20	0
3024	4:20	0.001	3024	13:25	0
3024	4:25	0.001	3024	13:30	0
3024	4:30	0.001	3024	13:35	0
3024	4:35	0.001	3024	13:40	0
3024	4:40	0.001	3024	13:45	0
3024	4:45	0.001	3024	13:50	0
3024	4:50	0.001	3024	13:55	0
3024	4:55	0.001	3024	14:00	0
3024	5:00	0.001	3024	14:05	0
3024	5:05	0.001	3024	14:10	0
3024	5:10	0.001	3024	14:15	0
3024	5:15	0.001	3024	14:20	0
3024	5:20	0.001	3024	14:25	0
3024	5:25	0.001	3024	14:30	0
3024	5:30	0.001	3024	14:35	0
3024	5:35	0.001	3024	14:40	0
3024	5:40	0.001	3024	14:45	0
3024	5:45	0.001	3024	14:50	0
3024	5:50	0.001	3024	14:55	0
3024	5:55	0.001	3024	15:00	0
3024	6:00	0.001	3024	15:05	0
3024	6:05	0.001	3024	15:10	0
3024	6:10	0.001	3024	15:15	0
3024	6:15	0.001	3024	15:20	0
3024	6:20	0.001	3024	15:25	0
3024	6:25	0.001	3024	15:30	0
3024	6:30	0.001	3024	15:35	0
3024	6:35	0.001	3024	15:40	0
3024	6:40	0.001	3024	15:45	0
3024	6:45	0.001	3024	15:50	0
3024	6:50	0.001	3024	15:55	0
3024	6:55	0.001	3024	16:00	0
3024	7:00	0	3024	16:05	0
3024	7:05	0	3024	16:10	0
3024	7:10	0	3024	16:15	0
3024	7:15	0	3024	16:20	0
3024	7:20	0	3024	16:25	0
3024	7:25	0	3024	16:30	0
3024	7:30	0	3024	16:35	0
3024	7:35	0	3024	16:40	0
3024	7:40	0	3024	16:45	0
3024	7:45	0	3024	16:50	0
3024	7:50	0	3024	16:55	0
3024	7:55	0	3024	17:00	0
3024	8:00	0	3024	17:05	0
3024	8:05	0	3024	17:10	0
3024	8:10	0	3024	17:15	0
3024	8:15	0	3024	17:20	0
3024	8:20	0	3024	17:25	0
3024	8:25	0	3024	17:30	0
3024	8:30	0	3024	17:35	0
3024	8:35	0	3024	17:40	0
3024	8:40	0	3024	17:45	0
3024	8:45	0	3024	17:50	0
3024	8:50	0	3024	17:55	0
3024	8:55	0	3024	18:00	0
3024	9:00	0	3024	18:05	0
3024	9:05	0	3024	18:10	0
3024	9:10	0	3024	18:15	0
3024	9:15	0	3024	18:20	0
3024	9:20	0	3024	18:25	0
3024	9:25	0	3024	18:30	0
3024	9:30	0	3024	18:35	0
3024	9:35	0	3024	18:40	0
3024	9:40	0	3024	18:45	0
3024	9:45	0	3024	18:50	0
3024	9:50	0	3024	18:55	0
3024	9:55	0	3024	19:00	0
3024	10:00	0	3024	19:05	0
3024	10:05	0	3024	19:10	0
3024	10:10	0	3024	19:15	0
3024	10:15	0	3024	19:20	0
3024	10:20	0	3024	19:25	0
3024	10:25	0	3024	19:30	0
3024	10:30	0	3024	19:35	0
3024	10:35	0	3024	19:40	0
3024	10:40	0	3024	19:45	0
3024	10:45	0	3024	19:50	0
3024	10:50	0	3024	19:55	0
3024	10:55	0	3024	20:00	0
3024	11:00	0	3024	20:05	0
3024	11:05	0	3024	20:10	0
3024	11:10	0	3024	20:15	0
3024	11:15	0	3024	20:20	0
3024	11:20	0	3024	20:25	0
3024	11:25	0	3024	20:30	0
3024	11:30	0	3024	20:35	0
3024	11:35	0	3024	20:40	0
3024	11:40	0	3024	20:45	0
3024	11:45	0	3024	20:50	0
3024	11:50	0	3024	20:55	0
3024	11:55	0	3024	21:00	0
3024	12:00	0	3024	21:05	0
3024	12:05	0	3024	21:10	0
3024	12:10	0	3024	21:15	0
3024	12:15	0	3024	21:20	0
3024	12:20	0	3024	21:25	0
3024	12:25	0	3024	21:30	0
3024	12:30	0	3024	21:35	0
3024	12:35	0	3024	21:40	0
3024	12:40	0	3024	21:45	0
3024	12:45	0	3024	21:50	0
3024	12:50	0	3024	21:55	0
3024	12:55	0	3024	22:00	0
3024	13:00	0	3024	22:05	0
3024	13:05	0	3024	22:10	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3024	22:15	0
3024	22:20	0
3024	22:25	0
3024	22:30	0
3024	22:35	0
3024	22:40	0
3024	22:45	0
3024	22:50	0
3024	22:55	0
3024	23:00	0
3024	23:05	0
3024	23:10	0
3024	23:15	0
3024	23:20	0
3024	23:25	0
3024	23:30	0
3024	23:35	0
3024	23:40	0
3024	23:45	0
3024	23:50	0
3024	23:55	0
3026	0:00	0
3026	0:05	0
3026	0:10	0
3026	0:15	0
3026	0:20	0
3026	0:25	0
3026	0:30	0.001
3026	0:35	0.003
3026	0:40	0.005
3026	0:45	0.009
3026	0:50	0.02
3026	0:55	0.042
3026	1:00	0.042
3026	1:05	0.042
3026	1:10	0.041
3026	1:15	0.036
3026	1:20	0.032
3026	1:25	0.03
3026	1:30	0.027
3026	1:35	0.024
3026	1:40	0.022
3026	1:45	0.019
3026	1:50	0.017
3026	1:55	0.015
3026	2:00	0.014
3026	2:05	0.012
3026	2:10	0.011
3026	2:15	0.01
3026	2:20	0.009
3026	2:25	0.008
3026	2:30	0.007
3026	2:35	0.007
3026	2:40	0.006
3026	2:45	0.006
3026	2:50	0.005
3026	2:55	0.005
3026	3:00	0.005
3026	3:05	0.005
3026	3:10	0.004
3026	3:15	0.004
3026	3:20	0.004
3026	3:25	0.003
3026	3:30	0.003
3026	3:35	0.003
3026	3:40	0.003
3026	3:45	0.002
3026	3:50	0.002
3026	3:55	0.002
3026	4:00	0.002
3026	4:05	0.002
3026	4:10	0.002
3026	4:15	0.002
3026	4:20	0.002
3026	4:25	0.001
3026	4:30	0.001
3026	4:35	0.001
3026	4:40	0.001
3026	4:45	0.001
3026	4:50	0.001
3026	4:55	0.001
3026	5:00	0.001
3026	5:05	0.001
3026	5:10	0.001
3026	5:15	0.001
3026	5:20	0.001
3026	5:25	0.001
3026	5:30	0.001
3026	5:35	0.001
3026	5:40	0.001
3026	5:45	0.001
3026	5:50	0.001
3026	5:55	0.001
3026	6:00	0.001
3026	6:05	0.001
3026	6:10	0.001
3026	6:15	0.001
3026	6:20	0.001
3026	6:25	0.001
3026	6:30	0.001
3026	6:35	0.001
3026	6:40	0.001
3026	6:45	0.001
3026	6:50	0.001
3026	6:55	0.001
3026	7:00	0.001
3026	7:05	0.001
3026	7:10	0.001
3026	7:15	0.001
3026	7:20	0.001
3026	7:25	0.001
3026	7:30	0.001
3026	7:35	0.001
3026	7:40	0.001
3026	7:45	0.001
3026	7:50	0.001
3026	7:55	0.001
3026	8:00	0
3026	8:05	0
3026	8:10	0
3026	8:15	0
3026	8:20	0
3026	8:25	0
3026	8:30	0
3026	8:35	0
3026	8:40	0
3026	8:45	0
3026	8:50	0
3026	8:55	0
3026	9:00	0
3026	9:05	0
3026	9:10	0
3026	9:15	0
3026	9:20	0
3026	9:25	0
3026	9:30	0
3026	9:35	0
3026	9:40	0
3026	9:45	0
3026	9:50	0
3026	9:55	0
3026	10:00	0
3026	10:05	0
3026	10:10	0
3026	10:15	0
3026	10:20	0
3026	10:25	0
3026	10:30	0
3026	10:35	0
3026	10:40	0
3026	10:45	0
3026	10:50	0
3026	10:55	0
3026	11:00	0
3026	11:05	0
3026	11:10	0
3026	11:15	0
3026	11:20	0
3026	11:25	0
3026	11:30	0
3026	11:35	0
3026	11:40	0
3026	11:45	0
3026	11:50	0
3026	11:55	0
3026	12:00	0
3026	12:05	0
3026	12:10	0
3026	12:15	0
3026	12:20	0
3026	12:25	0
3026	12:30	0
3026	12:35	0
3026	12:40	0
3026	12:45	0
3026	12:50	0
3026	12:55	0
3026	13:00	0
3026	13:05	0
3026	13:10	0
3026	13:15	0
3026	13:20	0
3026	13:25	0
3026	13:30	0
3026	13:35	0
3026	13:40	0
3026	13:45	0
3026	13:50	0
3026	13:55	0
3026	14:00	0
3026	14:05	0
3026	14:10	0
3026	14:15	0
3026	14:20	0
3026	14:25	0
3026	14:30	0
3026	14:35	0
3026	14:40	0
3026	14:45	0
3026	14:50	0
3026	14:55	0
3026	15:00	0
3026	15:05	0
3026	15:10	0
3026	15:15	0
3026	15:20	0
3026	15:25	0
3026	15:30	0
3026	15:35	0
3026	15:40	0
3026	15:45	0
3026	15:50	0
3026	15:55	0
3026	16:00	0
3026	16:05	0
3026	16:10	0
3026	16:15	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3026	16:20	0
3026	16:25	0
3026	16:30	0
3026	16:35	0
3026	16:40	0
3026	16:45	0
3026	16:50	0
3026	16:55	0
3026	17:00	0
3026	17:05	0
3026	17:10	0
3026	17:15	0
3026	17:20	0
3026	17:25	0
3026	17:30	0
3026	17:35	0
3026	17:40	0
3026	17:45	0
3026	17:50	0
3026	17:55	0
3026	18:00	0
3026	18:05	0
3026	18:10	0
3026	18:15	0
3026	18:20	0
3026	18:25	0
3026	18:30	0
3026	18:35	0
3026	18:40	0
3026	18:45	0
3026	18:50	0
3026	18:55	0
3026	19:00	0
3026	19:05	0
3026	19:10	0
3026	19:15	0
3026	19:20	0
3026	19:25	0
3026	19:30	0
3026	19:35	0
3026	19:40	0
3026	19:45	0
3026	19:50	0
3026	19:55	0
3026	20:00	0
3026	20:05	0
3026	20:10	0
3026	20:15	0
3026	20:20	0
3026	20:25	0
3026	20:30	0
3026	20:35	0
3026	20:40	0
3026	20:45	0
3026	20:50	0
3026	20:55	0
3026	21:00	0
3026	21:05	0
3026	21:10	0
3026	21:15	0
3026	21:20	0
3026	21:25	0
3026	21:30	0
3026	21:35	0
3026	21:40	0
3026	21:45	0
3026	21:50	0
3026	21:55	0
3026	22:00	0
3026	22:05	0
3026	22:10	0
3026	22:15	0
3026	22:20	0
3026	22:25	0
3026	22:30	0
3026	22:35	0
3026	22:40	0
3026	22:45	0
3026	22:50	0
3026	22:55	0
3026	23:00	0
3026	23:05	0
3026	23:10	0
3026	23:15	0
3026	23:20	0
3026	23:25	0
3026	23:30	0
3026	23:35	0
3026	23:40	0
3026	23:45	0
3026	23:50	0
3026	23:55	0
3027	0:00	0
3027	0:05	0
3027	0:10	0
3027	0:15	0
3027	0:20	0
3027	0:25	0
3027	0:30	0.001
3027	0:35	0.002
3027	0:40	0.003
3027	0:45	0.005
3027	0:50	0.011
3027	0:55	0.021
3027	1:00	0.021
3027	1:05	0.021
3027	1:10	0.021
3027	1:15	0.021
3027	1:20	0.021
3027	1:25	0.021
3027	1:30	0.02
3027	1:35	0.019
3027	1:40	0.017
3027	1:45	0.016
3027	1:50	0.014
3027	1:55	0.013
3027	2:00	0.012
3027	2:05	0.011
3027	2:10	0.01
3027	2:15	0.009
3027	2:20	0.008
3027	2:25	0.007
3027	2:30	0.007
3027	2:35	0.006
3027	2:40	0.006
3027	2:45	0.005
3027	2:50	0.005
3027	2:55	0.005
3027	3:00	0.004
3027	3:05	0.004
3027	3:10	0.004
3027	3:15	0.004
3027	3:20	0.003
3027	3:25	0.003
3027	3:30	0.003
3027	3:35	0.003
3027	3:40	0.002
3027	3:45	0.002
3027	3:50	0.002
3027	3:55	0.002
3027	4:00	0.002
3027	4:05	0.002
3027	4:10	0.001
3027	4:15	0.001
3027	4:20	0.001
3027	4:25	0.001
3027	4:30	0.001
3027	4:35	0.001
3027	4:40	0.001
3027	4:45	0.001
3027	4:50	0.001
3027	4:55	0.001
3027	5:00	0.001
3027	5:05	0.001
3027	5:10	0.001
3027	5:15	0.001
3027	5:20	0.001
3027	5:25	0.001
3027	5:30	0.001
3027	5:35	0.001
3027	5:40	0.001
3027	5:45	0.001
3027	5:50	0.001
3027	5:55	0.001
3027	6:00	0.001
3027	6:05	0.001
3027	6:10	0.001
3027	6:15	0
3027	6:20	0
3027	6:25	0
3027	6:30	0
3027	6:35	0
3027	6:40	0
3027	6:45	0
3027	6:50	0
3027	6:55	0
3027	7:00	0
3027	7:05	0
3027	7:10	0
3027	7:15	0
3027	7:20	0
3027	7:25	0
3027	7:30	0
3027	7:35	0
3027	7:40	0
3027	7:45	0
3027	7:50	0
3027	7:55	0
3027	8:00	0
3027	8:05	0
3027	8:10	0
3027	8:15	0
3027	8:20	0
3027	8:25	0
3027	8:30	0
3027	8:35	0
3027	8:40	0
3027	8:45	0
3027	8:50	0
3027	8:55	0
3027	9:00	0
3027	9:05	0
3027	9:10	0
3027	9:15	0
3027	9:20	0
3027	9:25	0
3027	9:30	0
3027	9:35	0
3027	9:40	0
3027	9:45	0
3027	9:50	0
3027	9:55	0
3027	10:00	0
3027	10:05	0
3027	10:10	0
3027	10:15	0
3027	10:20	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3027	10:25	0	3027	19:30	0
3027	10:30	0	3027	19:35	0
3027	10:35	0	3027	19:40	0
3027	10:40	0	3027	19:45	0
3027	10:45	0	3027	19:50	0
3027	10:50	0	3027	19:55	0
3027	10:55	0	3027	20:00	0
3027	11:00	0	3027	20:05	0
3027	11:05	0	3027	20:10	0
3027	11:10	0	3027	20:15	0
3027	11:15	0	3027	20:20	0
3027	11:20	0	3027	20:25	0
3027	11:25	0	3027	20:30	0
3027	11:30	0	3027	20:35	0
3027	11:35	0	3027	20:40	0
3027	11:40	0	3027	20:45	0
3027	11:45	0	3027	20:50	0
3027	11:50	0	3027	20:55	0
3027	11:55	0	3027	21:00	0
3027	12:00	0	3027	21:05	0
3027	12:05	0	3027	21:10	0
3027	12:10	0	3027	21:15	0
3027	12:15	0	3027	21:20	0
3027	12:20	0	3027	21:25	0
3027	12:25	0	3027	21:30	0
3027	12:30	0	3027	21:35	0
3027	12:35	0	3027	21:40	0
3027	12:40	0	3027	21:45	0
3027	12:45	0	3027	21:50	0
3027	12:50	0	3027	21:55	0
3027	12:55	0	3027	22:00	0
3027	13:00	0	3027	22:05	0
3027	13:05	0	3027	22:10	0
3027	13:10	0	3027	22:15	0
3027	13:15	0	3027	22:20	0
3027	13:20	0	3027	22:25	0
3027	13:25	0	3027	22:30	0
3027	13:30	0	3027	22:35	0
3027	13:35	0	3027	22:40	0
3027	13:40	0	3027	22:45	0
3027	13:45	0	3027	22:50	0
3027	13:50	0	3027	22:55	0
3027	13:55	0	3027	23:00	0
3027	14:00	0	3027	23:05	0
3027	14:05	0	3027	23:10	0
3027	14:10	0	3027	23:15	0
3027	14:15	0	3027	23:20	0
3027	14:20	0	3027	23:25	0
3027	14:25	0	3027	23:30	0
3027	14:30	0	3027	23:35	0
3027	14:35	0	3027	23:40	0
3027	14:40	0	3027	23:45	0
3027	14:45	0	3027	23:50	0
3027	14:50	0	3027	23:55	0
3027	14:55	0			
3027	15:00	0	3028	0:00	0
3027	15:05	0	3028	0:05	0
3027	15:10	0	3028	0:10	0
3027	15:15	0	3028	0:15	0
3027	15:20	0	3028	0:20	0.001
3027	15:25	0	3028	0:25	0.001
3027	15:30	0	3028	0:30	0.002
3027	15:35	0	3028	0:35	0.002
3027	15:40	0	3028	0:40	0.004
3027	15:45	0	3028	0:45	0.006
3027	15:50	0	3028	0:50	0.021
3027	15:55	0	3028	0:55	0.021
3027	16:00	0	3028	1:00	0.021
3027	16:05	0	3028	1:05	0.021
3027	16:10	0	3028	1:10	0.021
3027	16:15	0	3028	1:15	0.021
3027	16:20	0	3028	1:20	0.019
3027	16:25	0	3028	1:25	0.011
3027	16:30	0	3028	1:30	0.005
3027	16:35	0	3028	1:35	0.004
3027	16:40	0	3028	1:40	0.003
3027	16:45	0	3028	1:45	0.002
3027	16:50	0	3028	1:50	0.002
3027	16:55	0	3028	1:55	0.002
3027	17:00	0	3028	2:00	0.002
3027	17:05	0	3028	2:05	0.001
3027	17:10	0	3028	2:10	0.001
3027	17:15	0	3028	2:15	0.001
3027	17:20	0	3028	2:20	0.001
3027	17:25	0	3028	2:25	0.001
3027	17:30	0	3028	2:30	0.001
3027	17:35	0	3028	2:35	0.001
3027	17:40	0	3028	2:40	0.001
3027	17:45	0	3028	2:45	0.001
3027	17:50	0	3028	2:50	0.001
3027	17:55	0	3028	2:55	0.001
3027	18:00	0	3028	3:00	0.001
3027	18:05	0	3028	3:05	0
3027	18:10	0	3028	3:10	0
3027	18:15	0	3028	3:15	0
3027	18:20	0	3028	3:20	0
3027	18:25	0	3028	3:25	0
3027	18:30	0	3028	3:30	0
3027	18:35	0	3028	3:35	0
3027	18:40	0	3028	3:40	0
3027	18:45	0	3028	3:45	0
3027	18:50	0	3028	3:50	0
3027	18:55	0	3028	3:55	0
3027	19:00	0	3028	4:00	0
3027	19:05	0	3028	4:05	0
3027	19:10	0	3028	4:10	0
3027	19:15	0	3028	4:15	0
3027	19:20	0	3028	4:20	0
3027	19:25	0	3028	4:25	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3028	4:30	0	3028	13:35	0
3028	4:35	0	3028	13:40	0
3028	4:40	0	3028	13:45	0
3028	4:45	0	3028	13:50	0
3028	4:50	0	3028	13:55	0
3028	4:55	0	3028	14:00	0
3028	5:00	0	3028	14:05	0
3028	5:05	0	3028	14:10	0
3028	5:10	0	3028	14:15	0
3028	5:15	0	3028	14:20	0
3028	5:20	0	3028	14:25	0
3028	5:25	0	3028	14:30	0
3028	5:30	0	3028	14:35	0
3028	5:35	0	3028	14:40	0
3028	5:40	0	3028	14:45	0
3028	5:45	0	3028	14:50	0
3028	5:50	0	3028	14:55	0
3028	5:55	0	3028	15:00	0
3028	6:00	0	3028	15:05	0
3028	6:05	0	3028	15:10	0
3028	6:10	0	3028	15:15	0
3028	6:15	0	3028	15:20	0
3028	6:20	0	3028	15:25	0
3028	6:25	0	3028	15:30	0
3028	6:30	0	3028	15:35	0
3028	6:35	0	3028	15:40	0
3028	6:40	0	3028	15:45	0
3028	6:45	0	3028	15:50	0
3028	6:50	0	3028	15:55	0
3028	6:55	0	3028	16:00	0
3028	7:00	0	3028	16:05	0
3028	7:05	0	3028	16:10	0
3028	7:10	0	3028	16:15	0
3028	7:15	0	3028	16:20	0
3028	7:20	0	3028	16:25	0
3028	7:25	0	3028	16:30	0
3028	7:30	0	3028	16:35	0
3028	7:35	0	3028	16:40	0
3028	7:40	0	3028	16:45	0
3028	7:45	0	3028	16:50	0
3028	7:50	0	3028	16:55	0
3028	7:55	0	3028	17:00	0
3028	8:00	0	3028	17:05	0
3028	8:05	0	3028	17:10	0
3028	8:10	0	3028	17:15	0
3028	8:15	0	3028	17:20	0
3028	8:20	0	3028	17:25	0
3028	8:25	0	3028	17:30	0
3028	8:30	0	3028	17:35	0
3028	8:35	0	3028	17:40	0
3028	8:40	0	3028	17:45	0
3028	8:45	0	3028	17:50	0
3028	8:50	0	3028	17:55	0
3028	8:55	0	3028	18:00	0
3028	9:00	0	3028	18:05	0
3028	9:05	0	3028	18:10	0
3028	9:10	0	3028	18:15	0
3028	9:15	0	3028	18:20	0
3028	9:20	0	3028	18:25	0
3028	9:25	0	3028	18:30	0
3028	9:30	0	3028	18:35	0
3028	9:35	0	3028	18:40	0
3028	9:40	0	3028	18:45	0
3028	9:45	0	3028	18:50	0
3028	9:50	0	3028	18:55	0
3028	9:55	0	3028	19:00	0
3028	10:00	0	3028	19:05	0
3028	10:05	0	3028	19:10	0
3028	10:10	0	3028	19:15	0
3028	10:15	0	3028	19:20	0
3028	10:20	0	3028	19:25	0
3028	10:25	0	3028	19:30	0
3028	10:30	0	3028	19:35	0
3028	10:35	0	3028	19:40	0
3028	10:40	0	3028	19:45	0
3028	10:45	0	3028	19:50	0
3028	10:50	0	3028	19:55	0
3028	10:55	0	3028	20:00	0
3028	11:00	0	3028	20:05	0
3028	11:05	0	3028	20:10	0
3028	11:10	0	3028	20:15	0
3028	11:15	0	3028	20:20	0
3028	11:20	0	3028	20:25	0
3028	11:25	0	3028	20:30	0
3028	11:30	0	3028	20:35	0
3028	11:35	0	3028	20:40	0
3028	11:40	0	3028	20:45	0
3028	11:45	0	3028	20:50	0
3028	11:50	0	3028	20:55	0
3028	11:55	0	3028	21:00	0
3028	12:00	0	3028	21:05	0
3028	12:05	0	3028	21:10	0
3028	12:10	0	3028	21:15	0
3028	12:15	0	3028	21:20	0
3028	12:20	0	3028	21:25	0
3028	12:25	0	3028	21:30	0
3028	12:30	0	3028	21:35	0
3028	12:35	0	3028	21:40	0
3028	12:40	0	3028	21:45	0
3028	12:45	0	3028	21:50	0
3028	12:50	0	3028	21:55	0
3028	12:55	0	3028	22:00	0
3028	13:00	0	3028	22:05	0
3028	13:05	0	3028	22:10	0
3028	13:10	0	3028	22:15	0
3028	13:15	0	3028	22:20	0
3028	13:20	0	3028	22:25	0
3028	13:25	0	3028	22:30	0
3028	13:30	0	3028	22:35	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

```
3028                    22:40   0
3028                    22:45   0
3028                    22:50   0
3028                    22:55   0
3028                    23:00   0
3028                    23:05   0
3028                    23:10   0
3028                    23:15   0
3028                    23:20   0
3028                    23:25   0
3028                    23:30   0
3028                    23:35   0
3028                    23:40   0
3028                    23:45   0
3028                    23:50   0
3028                    23:55   0

;Direct minor system capture at 3029. Taken from Phase 3
Submission 5, DDSWMM output.
3029(3-29minor)         0:00    0
3029(3-29minor)         0:05    0
3029(3-29minor)         0:10    0
3029(3-29minor)         0:15    0
3029(3-29minor)         0:20    0.001
3029(3-29minor)         0:25    0.001
3029(3-29minor)         0:30    0.002
3029(3-29minor)         0:35    0.002
3029(3-29minor)         0:40    0.004
3029(3-29minor)         0:45    0.006
3029(3-29minor)         0:50    0.021
3029(3-29minor)         0:55    0.021
3029(3-29minor)         1:00    0.021
3029(3-29minor)         1:05    0.021
3029(3-29minor)         1:10    0.021
3029(3-29minor)         1:15    0.021
3029(3-29minor)         1:20    0.021
3029(3-29minor)         1:25    0.021
3029(3-29minor)         1:30    0.021
3029(3-29minor)         1:35    0.019
3029(3-29minor)         1:40    0.014
3029(3-29minor)         1:45    0.008
3029(3-29minor)         1:50    0.005
3029(3-29minor)         1:55    0.004
3029(3-29minor)         2:00    0.003
3029(3-29minor)         2:05    0.002
3029(3-29minor)         2:10    0.002
3029(3-29minor)         2:15    0.002
3029(3-29minor)         2:20    0.002
3029(3-29minor)         2:25    0.001
3029(3-29minor)         2:30    0.001
3029(3-29minor)         2:35    0.001
3029(3-29minor)         2:40    0.001
3029(3-29minor)         2:45    0.001
3029(3-29minor)         2:50    0.001
3029(3-29minor)         2:55    0.001
3029(3-29minor)         3:00    0.001
3029(3-29minor)         3:05    0.001
3029(3-29minor)         3:10    0
3029(3-29minor)         3:15    0
3029(3-29minor)         3:20    0
3029(3-29minor)         3:25    0
3029(3-29minor)         3:30    0
3029(3-29minor)         3:35    0
3029(3-29minor)         3:40    0
3029(3-29minor)         3:45    0
3029(3-29minor)         3:50    0
3029(3-29minor)         3:55    0
3029(3-29minor)         4:00    0
3029(3-29minor)         4:05    0
3029(3-29minor)         4:10    0
3029(3-29minor)         4:15    0
3029(3-29minor)         4:20    0
3029(3-29minor)         4:25    0
3029(3-29minor)         4:30    0
3029(3-29minor)         4:35    0
3029(3-29minor)         4:40    0
3029(3-29minor)         4:45    0
3029(3-29minor)         4:50    0
3029(3-29minor)         4:55    0
3029(3-29minor)         5:00    0
3029(3-29minor)         5:05    0
3029(3-29minor)         5:10    0
3029(3-29minor)         5:15    0
3029(3-29minor)         5:20    0
3029(3-29minor)         5:25    0
3029(3-29minor)         5:30    0
3029(3-29minor)         5:35    0
3029(3-29minor)         5:40    0
3029(3-29minor)         5:45    0
3029(3-29minor)         5:50    0
3029(3-29minor)         5:55    0
3029(3-29minor)         6:00    0
3029(3-29minor)         6:05    0
3029(3-29minor)         6:10    0
3029(3-29minor)         6:15    0
3029(3-29minor)         6:20    0
3029(3-29minor)         6:25    0
3029(3-29minor)         6:30    0
3029(3-29minor)         6:35    0
3029(3-29minor)         6:40    0
3029(3-29minor)         6:45    0
3029(3-29minor)         6:50    0
3029(3-29minor)         6:55    0
3029(3-29minor)         7:00    0
3029(3-29minor)         7:05    0
3029(3-29minor)         7:10    0
3029(3-29minor)         7:15    0
3029(3-29minor)         7:20    0
3029(3-29minor)         7:25    0
3029(3-29minor)         7:30    0
3029(3-29minor)         7:35    0
3029(3-29minor)         7:40    0
3029(3-29minor)         7:45    0
3029(3-29minor)         7:50    0
3029(3-29minor)         7:55    0
3029(3-29minor)         8:00    0
3029(3-29minor)         8:05    0
3029(3-29minor)         8:10    0
3029(3-29minor)         8:15    0
3029(3-29minor)         8:20    0
3029(3-29minor)         8:25    0
3029(3-29minor)         8:30    0
3029(3-29minor)         8:35    0
3029(3-29minor)         8:40    0
3029(3-29minor)         8:45    0
3029(3-29minor)         8:50    0
3029(3-29minor)         8:55    0
3029(3-29minor)         9:00    0
3029(3-29minor)         9:05    0
3029(3-29minor)         9:10    0
3029(3-29minor)         9:15    0
3029(3-29minor)         9:20    0
3029(3-29minor)         9:25    0
3029(3-29minor)         9:30    0
3029(3-29minor)         9:35    0
3029(3-29minor)         9:40    0
3029(3-29minor)         9:45    0
3029(3-29minor)         9:50    0
3029(3-29minor)         9:55    0
3029(3-29minor)         10:00   0
3029(3-29minor)         10:05   0
3029(3-29minor)         10:10   0
3029(3-29minor)         10:15   0
3029(3-29minor)         10:20   0
3029(3-29minor)         10:25   0
3029(3-29minor)         10:30   0
3029(3-29minor)         10:35   0
3029(3-29minor)         10:40   0
3029(3-29minor)         10:45   0
3029(3-29minor)         10:50   0
3029(3-29minor)         10:55   0
3029(3-29minor)         11:00   0
3029(3-29minor)         11:05   0
3029(3-29minor)         11:10   0
3029(3-29minor)         11:15   0
3029(3-29minor)         11:20   0
3029(3-29minor)         11:25   0
3029(3-29minor)         11:30   0
3029(3-29minor)         11:35   0
3029(3-29minor)         11:40   0
3029(3-29minor)         11:45   0
3029(3-29minor)         11:50   0
3029(3-29minor)         11:55   0
3029(3-29minor)         12:00   0
3029(3-29minor)         12:05   0
3029(3-29minor)         12:10   0
3029(3-29minor)         12:15   0
3029(3-29minor)         12:20   0
3029(3-29minor)         12:25   0
3029(3-29minor)         12:30   0
3029(3-29minor)         12:35   0
3029(3-29minor)         12:40   0
3029(3-29minor)         12:45   0
3029(3-29minor)         12:50   0
3029(3-29minor)         12:55   0
3029(3-29minor)         13:00   0
3029(3-29minor)         13:05   0
3029(3-29minor)         13:10   0
3029(3-29minor)         13:15   0
3029(3-29minor)         13:20   0
3029(3-29minor)         13:25   0
3029(3-29minor)         13:30   0
3029(3-29minor)         13:35   0
3029(3-29minor)         13:40   0
3029(3-29minor)         13:45   0
3029(3-29minor)         13:50   0
3029(3-29minor)         13:55   0
3029(3-29minor)         14:00   0
3029(3-29minor)         14:05   0
3029(3-29minor)         14:10   0
3029(3-29minor)         14:15   0
3029(3-29minor)         14:20   0
3029(3-29minor)         14:25   0
3029(3-29minor)         14:30   0
3029(3-29minor)         14:35   0
3029(3-29minor)         14:40   0
3029(3-29minor)         14:45   0
3029(3-29minor)         14:50   0
3029(3-29minor)         14:55   0
3029(3-29minor)         15:00   0
3029(3-29minor)         15:05   0
3029(3-29minor)         15:10   0
3029(3-29minor)         15:15   0
3029(3-29minor)         15:20   0
3029(3-29minor)         15:25   0
3029(3-29minor)         15:30   0
3029(3-29minor)         15:35   0
3029(3-29minor)         15:40   0
3029(3-29minor)         15:45   0
3029(3-29minor)         15:50   0
3029(3-29minor)         15:55   0
3029(3-29minor)         16:00   0
3029(3-29minor)         16:05   0
3029(3-29minor)         16:10   0
3029(3-29minor)         16:15   0
3029(3-29minor)         16:20   0
3029(3-29minor)         16:25   0
3029(3-29minor)         16:30   0
```

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3029(3-29minor)	16:35	0
3029(3-29minor)	16:40	0
3029(3-29minor)	16:45	0
3029(3-29minor)	16:50	0
3029(3-29minor)	16:55	0
3029(3-29minor)	17:00	0
3029(3-29minor)	17:05	0
3029(3-29minor)	17:10	0
3029(3-29minor)	17:15	0
3029(3-29minor)	17:20	0
3029(3-29minor)	17:25	0
3029(3-29minor)	17:30	0
3029(3-29minor)	17:35	0
3029(3-29minor)	17:40	0
3029(3-29minor)	17:45	0
3029(3-29minor)	17:50	0
3029(3-29minor)	17:55	0
3029(3-29minor)	18:00	0
3029(3-29minor)	18:05	0
3029(3-29minor)	18:10	0
3029(3-29minor)	18:15	0
3029(3-29minor)	18:20	0
3029(3-29minor)	18:25	0
3029(3-29minor)	18:30	0
3029(3-29minor)	18:35	0
3029(3-29minor)	18:40	0
3029(3-29minor)	18:45	0
3029(3-29minor)	18:50	0
3029(3-29minor)	18:55	0
3029(3-29minor)	19:00	0
3029(3-29minor)	19:05	0
3029(3-29minor)	19:10	0
3029(3-29minor)	19:15	0
3029(3-29minor)	19:20	0
3029(3-29minor)	19:25	0
3029(3-29minor)	19:30	0
3029(3-29minor)	19:35	0
3029(3-29minor)	19:40	0
3029(3-29minor)	19:45	0
3029(3-29minor)	19:50	0
3029(3-29minor)	19:55	0
3029(3-29minor)	20:00	0
3029(3-29minor)	20:05	0
3029(3-29minor)	20:10	0
3029(3-29minor)	20:15	0
3029(3-29minor)	20:20	0
3029(3-29minor)	20:25	0
3029(3-29minor)	20:30	0
3029(3-29minor)	20:35	0
3029(3-29minor)	20:40	0
3029(3-29minor)	20:45	0
3029(3-29minor)	20:50	0
3029(3-29minor)	20:55	0
3029(3-29minor)	21:00	0
3029(3-29minor)	21:05	0
3029(3-29minor)	21:10	0
3029(3-29minor)	21:15	0
3029(3-29minor)	21:20	0
3029(3-29minor)	21:25	0
3029(3-29minor)	21:30	0
3029(3-29minor)	21:35	0
3029(3-29minor)	21:40	0
3029(3-29minor)	21:45	0
3029(3-29minor)	21:50	0
3029(3-29minor)	21:55	0
3029(3-29minor)	22:00	0
3029(3-29minor)	22:05	0
3029(3-29minor)	22:10	0
3029(3-29minor)	22:15	0
3029(3-29minor)	22:20	0
3029(3-29minor)	22:25	0
3029(3-29minor)	22:30	0
3029(3-29minor)	22:35	0
3029(3-29minor)	22:40	0
3029(3-29minor)	22:45	0
3029(3-29minor)	22:50	0
3029(3-29minor)	22:55	0
3029(3-29minor)	23:00	0
3029(3-29minor)	23:05	0
3029(3-29minor)	23:10	0
3029(3-29minor)	23:15	0
3029(3-29minor)	23:20	0
3029(3-29minor)	23:25	0
3029(3-29minor)	23:30	0
3029(3-29minor)	23:35	0
3029(3-29minor)	23:40	0
3029(3-29minor)	23:45	0
3029(3-29minor)	23:50	0
3029(3-29minor)	23:55	0

;Major overflow from road sag on street at Akerson Road and Seven Oak Avenue. Taken from Phase 3 Submission 5, DDSWMM output.

3029(3-29spill)	0:00	0
3029(3-29spill)	0:05	0
3029(3-29spill)	0:10	0
3029(3-29spill)	0:15	0
3029(3-29spill)	0:20	0
3029(3-29spill)	0:25	0
3029(3-29spill)	0:30	0
3029(3-29spill)	0:35	0
3029(3-29spill)	0:40	0
3029(3-29spill)	0:45	0
3029(3-29spill)	0:50	0.099
3029(3-29spill)	0:55	0.827
3029(3-29spill)	1:00	1.411
3029(3-29spill)	1:05	1.003
3029(3-29spill)	1:10	0.633
3029(3-29spill)	1:15	0.36
3029(3-29spill)	1:20	0.181
3029(3-29spill)	1:25	0.093
3029(3-29spill)	1:30	0.033
3029(3-29spill)	1:35	0
3029(3-29spill)	1:40	0
3029(3-29spill)	1:45	0
3029(3-29spill)	1:50	0
3029(3-29spill)	1:55	0
3029(3-29spill)	2:00	0
3029(3-29spill)	2:05	0
3029(3-29spill)	2:10	0
3029(3-29spill)	2:15	0
3029(3-29spill)	2:20	0
3029(3-29spill)	2:25	0
3029(3-29spill)	2:30	0
3029(3-29spill)	2:35	0
3029(3-29spill)	2:40	0
3029(3-29spill)	2:45	0
3029(3-29spill)	2:50	0
3029(3-29spill)	2:55	0
3029(3-29spill)	3:00	0
3029(3-29spill)	3:05	0
3029(3-29spill)	3:10	0
3029(3-29spill)	3:15	0
3029(3-29spill)	3:20	0
3029(3-29spill)	3:25	0
3029(3-29spill)	3:30	0
3029(3-29spill)	3:35	0
3029(3-29spill)	3:40	0
3029(3-29spill)	3:45	0
3029(3-29spill)	3:50	0
3029(3-29spill)	3:55	0
3029(3-29spill)	4:00	0
3029(3-29spill)	4:05	0
3029(3-29spill)	4:10	0
3029(3-29spill)	4:15	0
3029(3-29spill)	4:20	0
3029(3-29spill)	4:25	0
3029(3-29spill)	4:30	0
3029(3-29spill)	4:35	0
3029(3-29spill)	4:40	0
3029(3-29spill)	4:45	0
3029(3-29spill)	4:50	0
3029(3-29spill)	4:55	0
3029(3-29spill)	5:00	0
3029(3-29spill)	5:05	0
3029(3-29spill)	5:10	0
3029(3-29spill)	5:15	0
3029(3-29spill)	5:20	0
3029(3-29spill)	5:25	0
3029(3-29spill)	5:30	0
3029(3-29spill)	5:35	0
3029(3-29spill)	5:40	0
3029(3-29spill)	5:45	0
3029(3-29spill)	5:50	0
3029(3-29spill)	5:55	0
3029(3-29spill)	6:00	0
3029(3-29spill)	6:05	0
3029(3-29spill)	6:10	0
3029(3-29spill)	6:15	0
3029(3-29spill)	6:20	0
3029(3-29spill)	6:25	0
3029(3-29spill)	6:30	0
3029(3-29spill)	6:35	0
3029(3-29spill)	6:40	0
3029(3-29spill)	6:45	0
3029(3-29spill)	6:50	0
3029(3-29spill)	6:55	0
3029(3-29spill)	7:00	0
3029(3-29spill)	7:05	0
3029(3-29spill)	7:10	0
3029(3-29spill)	7:15	0
3029(3-29spill)	7:20	0
3029(3-29spill)	7:25	0
3029(3-29spill)	7:30	0
3029(3-29spill)	7:35	0
3029(3-29spill)	7:40	0
3029(3-29spill)	7:45	0
3029(3-29spill)	7:50	0
3029(3-29spill)	7:55	0
3029(3-29spill)	8:00	0
3029(3-29spill)	8:05	0
3029(3-29spill)	8:10	0
3029(3-29spill)	8:15	0
3029(3-29spill)	8:20	0
3029(3-29spill)	8:25	0
3029(3-29spill)	8:30	0
3029(3-29spill)	8:35	0
3029(3-29spill)	8:40	0
3029(3-29spill)	8:45	0
3029(3-29spill)	8:50	0
3029(3-29spill)	8:55	0
3029(3-29spill)	9:00	0
3029(3-29spill)	9:05	0
3029(3-29spill)	9:10	0
3029(3-29spill)	9:15	0
3029(3-29spill)	9:20	0
3029(3-29spill)	9:25	0
3029(3-29spill)	9:30	0
3029(3-29spill)	9:35	0
3029(3-29spill)	9:40	0
3029(3-29spill)	9:45	0
3029(3-29spill)	9:50	0
3029(3-29spill)	9:55	0
3029(3-29spill)	10:00	0
3029(3-29spill)	10:05	0
3029(3-29spill)	10:10	0
3029(3-29spill)	10:15	0
3029(3-29spill)	10:20	0
3029(3-29spill)	10:25	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

3029(3-29spill)	10:30	0
3029(3-29spill)	10:35	0
3029(3-29spill)	10:40	0
3029(3-29spill)	10:45	0
3029(3-29spill)	10:50	0
3029(3-29spill)	10:55	0
3029(3-29spill)	11:00	0
3029(3-29spill)	11:05	0
3029(3-29spill)	11:10	0
3029(3-29spill)	11:15	0
3029(3-29spill)	11:20	0
3029(3-29spill)	11:25	0
3029(3-29spill)	11:30	0
3029(3-29spill)	11:35	0
3029(3-29spill)	11:40	0
3029(3-29spill)	11:45	0
3029(3-29spill)	11:50	0
3029(3-29spill)	11:55	0
3029(3-29spill)	12:00	0
3029(3-29spill)	12:05	0
3029(3-29spill)	12:10	0
3029(3-29spill)	12:15	0
3029(3-29spill)	12:20	0
3029(3-29spill)	12:25	0
3029(3-29spill)	12:30	0
3029(3-29spill)	12:35	0
3029(3-29spill)	12:40	0
3029(3-29spill)	12:45	0
3029(3-29spill)	12:50	0
3029(3-29spill)	12:55	0
3029(3-29spill)	13:00	0
3029(3-29spill)	13:05	0
3029(3-29spill)	13:10	0
3029(3-29spill)	13:15	0
3029(3-29spill)	13:20	0
3029(3-29spill)	13:25	0
3029(3-29spill)	13:30	0
3029(3-29spill)	13:35	0
3029(3-29spill)	13:40	0
3029(3-29spill)	13:45	0
3029(3-29spill)	13:50	0
3029(3-29spill)	13:55	0
3029(3-29spill)	14:00	0
3029(3-29spill)	14:05	0
3029(3-29spill)	14:10	0
3029(3-29spill)	14:15	0
3029(3-29spill)	14:20	0
3029(3-29spill)	14:25	0
3029(3-29spill)	14:30	0
3029(3-29spill)	14:35	0
3029(3-29spill)	14:40	0
3029(3-29spill)	14:45	0
3029(3-29spill)	14:50	0
3029(3-29spill)	14:55	0
3029(3-29spill)	15:00	0
3029(3-29spill)	15:05	0
3029(3-29spill)	15:10	0
3029(3-29spill)	15:15	0
3029(3-29spill)	15:20	0
3029(3-29spill)	15:25	0
3029(3-29spill)	15:30	0
3029(3-29spill)	15:35	0
3029(3-29spill)	15:40	0
3029(3-29spill)	15:45	0
3029(3-29spill)	15:50	0
3029(3-29spill)	15:55	0
3029(3-29spill)	16:00	0
3029(3-29spill)	16:05	0
3029(3-29spill)	16:10	0
3029(3-29spill)	16:15	0
3029(3-29spill)	16:20	0
3029(3-29spill)	16:25	0
3029(3-29spill)	16:30	0
3029(3-29spill)	16:35	0
3029(3-29spill)	16:40	0
3029(3-29spill)	16:45	0
3029(3-29spill)	16:50	0
3029(3-29spill)	16:55	0
3029(3-29spill)	17:00	0
3029(3-29spill)	17:05	0
3029(3-29spill)	17:10	0
3029(3-29spill)	17:15	0
3029(3-29spill)	17:20	0
3029(3-29spill)	17:25	0
3029(3-29spill)	17:30	0
3029(3-29spill)	17:35	0
3029(3-29spill)	17:40	0
3029(3-29spill)	17:45	0
3029(3-29spill)	17:50	0
3029(3-29spill)	17:55	0
3029(3-29spill)	18:00	0
3029(3-29spill)	18:05	0
3029(3-29spill)	18:10	0
3029(3-29spill)	18:15	0
3029(3-29spill)	18:20	0
3029(3-29spill)	18:25	0
3029(3-29spill)	18:30	0
3029(3-29spill)	18:35	0
3029(3-29spill)	18:40	0
3029(3-29spill)	18:45	0
3029(3-29spill)	18:50	0
3029(3-29spill)	18:55	0
3029(3-29spill)	19:00	0
3029(3-29spill)	19:05	0
3029(3-29spill)	19:10	0
3029(3-29spill)	19:15	0
3029(3-29spill)	19:20	0
3029(3-29spill)	19:25	0
3029(3-29spill)	19:30	0
3029(3-29spill)	19:35	0
3029(3-29spill)	19:40	0
3029(3-29spill)	19:45	0
3029(3-29spill)	19:50	0
3029(3-29spill)	19:55	0
3029(3-29spill)	20:00	0
3029(3-29spill)	20:05	0
3029(3-29spill)	20:10	0
3029(3-29spill)	20:15	0
3029(3-29spill)	20:20	0
3029(3-29spill)	20:25	0
3029(3-29spill)	20:30	0
3029(3-29spill)	20:35	0
3029(3-29spill)	20:40	0
3029(3-29spill)	20:45	0
3029(3-29spill)	20:50	0
3029(3-29spill)	20:55	0
3029(3-29spill)	21:00	0
3029(3-29spill)	21:05	0
3029(3-29spill)	21:10	0
3029(3-29spill)	21:15	0
3029(3-29spill)	21:20	0
3029(3-29spill)	21:25	0
3029(3-29spill)	21:30	0
3029(3-29spill)	21:35	0
3029(3-29spill)	21:40	0
3029(3-29spill)	21:45	0
3029(3-29spill)	21:50	0
3029(3-29spill)	21:55	0
3029(3-29spill)	22:00	0
3029(3-29spill)	22:05	0
3029(3-29spill)	22:10	0
3029(3-29spill)	22:15	0
3029(3-29spill)	22:20	0
3029(3-29spill)	22:25	0
3029(3-29spill)	22:30	0
3029(3-29spill)	22:35	0
3029(3-29spill)	22:40	0
3029(3-29spill)	22:45	0
3029(3-29spill)	22:50	0
3029(3-29spill)	22:55	0
3029(3-29spill)	23:00	0
3029(3-29spill)	23:05	0
3029(3-29spill)	23:10	0
3029(3-29spill)	23:15	0
3029(3-29spill)	23:20	0
3029(3-29spill)	23:25	0
3029(3-29spill)	23:30	0
3029(3-29spill)	23:35	0
3029(3-29spill)	23:40	0
3029(3-29spill)	23:45	0
3029(3-29spill)	23:50	0
3029(3-29spill)	23:55	0

August4_1988	0:00	0
August4_1988	0:05	0.1
August4_1988	0:10	0.1
August4_1988	0:15	0
August4_1988	0:20	3.7
August4_1988	0:25	6.2
August4_1988	0:30	101.5
August4_1988	0:35	15.5
August4_1988	0:40	29.3
August4_1988	0:45	19.8
August4_1988	0:50	1.5
August4_1988	0:55	1.7
August4_1988	1:00	5.4
August4_1988	1:05	24.6
August4_1988	1:10	26.5
August4_1988	1:15	34.9
August4_1988	1:20	10.2
August4_1988	1:25	27.1
August4_1988	1:30	104.4
August4_1988	1:35	27.5
August4_1988	1:40	62.5
August4_1988	1:45	31.8
August4_1988	1:50	79.8
August4_1988	1:55	67.5
August4_1988	2:00	156.2
August4_1988	2:05	5.1
August4_1988	2:10	0.2
August4_1988	2:15	0.2
August4_1988	2:20	0.2
August4_1988	2:25	0.2
August4_1988	2:30	0.2
August4_1988	2:35	0.2
August4_1988	2:40	0.2
August4_1988	2:45	0.2
August4_1988	2:50	0.2
August4_1988	2:55	0.2
August4_1988	3:00	12.8
August4_1988	3:05	14
August4_1988	3:10	22.2
August4_1988	3:15	21.8
August4_1988	3:20	1.4
August4_1988	3:25	0.2
August4_1988	3:30	0.2
August4_1988	3:35	0.2
August4_1988	3:40	0.2
August4_1988	3:45	0.2
August4_1988	3:50	0.2
August4_1988	3:55	0.2
August4_1988	4:00	0.2
August4_1988	4:05	0.2
August4_1988	4:10	0.2
August4_1988	4:15	0.2
August4_1988	4:20	0.2
August4_1988	4:25	0.2
August4_1988	4:30	0.2

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

August4_1988	4:35	0.2
August4_1988	4:40	0.2
August4_1988	4:45	0.2
August4_1988	4:50	0.2
August4_1988	4:55	0.2
August4_1988	5:00	2.9
August4_1988	5:05	7.8
August4_1988	5:10	10
August4_1988	5:15	6.3
August4_1988	5:20	5.1
August4_1988	5:25	9.8
August4_1988	5:30	2.6
August4_1988	5:35	1.7
August8_1996	0:00	4
August8_1996	0:05	11.9
August8_1996	0:10	26.5
August8_1996	0:15	13.3
August8_1996	0:20	0
August8_1996	0:25	2.7
August8_1996	0:30	0
August8_1996	0:35	8
August8_1996	0:40	18.6
August8_1996	0:45	10.6
August8_1996	0:50	21.2
August8_1996	0:55	2.7
August8_1996	1:00	2.7
August8_1996	1:05	15.9
August8_1996	1:10	66.3
August8_1996	1:15	55.7
August8_1996	1:20	122
August8_1996	1:25	88.9
August8_1996	1:30	9.63
August8_1996	1:35	8
August8_1996	1:40	4
August8_1996	1:45	0
August8_1996	1:50	2.7
August8_1996	1:55	0
August8_1996	2:00	0
August8_1996	2:05	0
August8_1996	2:10	5.3
August8_1996	2:15	0
August8_1996	2:20	0
August8_1996	2:25	0
August8_1996	2:30	0
August8_1996	2:35	0
August8_1996	2:40	0
August8_1996	2:45	4
August8_1996	2:50	53.1
August8_1996	2:55	69
August8_1996	3:00	63.7
August8_1996	3:05	58.4
August8_1996	3:10	47.8
August8_1996	3:15	15.9
August8_1996	3:20	13.3
August8_1996	3:25	8
August8_1996	3:30	5.3
August8_1996	3:35	6.6
August8_1996	3:40	2.7
August8_1996	3:45	4
August8_1996	3:50	2.7
August8_1996	3:55	4
August8_1996	4:00	2.7
August8_1996	4:05	5.3
August8_1996	4:10	4
August8_1996	4:15	2.7
August8_1996	4:20	4
August8_1996	4:25	2.7
August8_1996	4:30	1.3
August8_1996	4:35	1.3
August8_1996	4:40	0
August8_1996	4:45	0
August8_1996	4:50	0
August8_1996	4:55	0
August8_1996	5:00	2.7
August8_1996	5:05	0
August8_1996	5:10	0
August8_1996	5:15	0
August8_1996	5:20	0
August8_1996	5:25	0
August8_1996	5:30	0
August8_1996	5:35	0
August8_1996	5:40	1.3
Chicago_100yr_3h	0:00	0
Chicago_100yr_3h	0:10	6.05
Chicago_100yr_3h	0:20	7.54
Chicago_100yr_3h	0:30	10.16
Chicago_100yr_3h	0:40	15.97
Chicago_100yr_3h	0:50	40.65
Chicago_100yr_3h	1:00	178.56
Chicago_100yr_3h	1:10	54.05
Chicago_100yr_3h	1:20	27.32
Chicago_100yr_3h	1:30	18.24
Chicago_100yr_3h	1:40	13.74
Chicago_100yr_3h	1:50	11.06
Chicago_100yr_3h	2:00	9.29
Chicago_100yr_3h	2:10	8.02
Chicago_100yr_3h	2:20	7.08
Chicago_100yr_3h	2:30	6.35
Chicago_100yr_3h	2:40	5.76
Chicago_100yr_3h	2:50	5.28
Chicago_100yr_3h	3:00	4.88
Chicago_100yr+20%_3h	0:00	0
Chicago_100yr+20%_3h	0:10	7.26
Chicago_100yr+20%_3h	0:20	9.048
Chicago_100yr+20%_3h	0:30	12.192
Chicago_100yr+20%_3h	0:40	19.164
Chicago_100yr+20%_3h	0:50	48.78
Chicago_100yr+20%_3h	1:00	214.272
Chicago_100yr+20%_3h	1:10	64.86
Chicago_100yr+20%_3h	1:20	32.784
Chicago_100yr+20%_3h	1:30	21.888
Chicago_100yr+20%_3h	1:40	16.488
Chicago_100yr+20%_3h	1:50	13.272
Chicago_100yr+20%_3h	2:00	11.148
Chicago_100yr+20%_3h	2:10	9.624
Chicago_100yr+20%_3h	2:20	8.496
Chicago_100yr+20%_3h	2:30	7.62
Chicago_100yr+20%_3h	2:40	6.912
Chicago_100yr+20%_3h	2:50	6.336
Chicago_100yr+20%_3h	3:00	5.856
Chicago_2yr_3h	0:00	0
Chicago_2yr_3h	0:10	2.81
Chicago_2yr_3h	0:20	3.5
Chicago_2yr_3h	0:30	4.69
Chicago_2yr_3h	0:40	7.3
Chicago_2yr_3h	0:50	18.21
Chicago_2yr_3h	1:00	76.81
Chicago_2yr_3h	1:10	24.08
Chicago_2yr_3h	1:20	12.36
Chicago_2yr_3h	1:30	8.32
Chicago_2yr_3h	1:40	6.3
Chicago_2yr_3h	1:50	5.09
Chicago_2yr_3h	2:00	4.29
Chicago_2yr_3h	2:10	3.72
Chicago_2yr_3h	2:20	3.29
Chicago_2yr_3h	2:30	2.95
Chicago_2yr_3h	2:40	2.68
Chicago_2yr_3h	2:50	2.46
Chicago_2yr_3h	3:00	2.28
Chicago_5yr_3h	0:00	0
Chicago_5yr_3h	0:10	3.68
Chicago_5yr_3h	0:20	4.58
Chicago_5yr_3h	0:30	6.15
Chicago_5yr_3h	0:40	9.61
Chicago_5yr_3h	0:50	24.17
Chicago_5yr_3h	1:00	104.19
Chicago_5yr_3h	1:10	32.04
Chicago_5yr_3h	1:20	16.34
Chicago_5yr_3h	1:30	10.96
Chicago_5yr_3h	1:40	8.29
Chicago_5yr_3h	1:50	6.69
Chicago_5yr_3h	2:00	5.63
Chicago_5yr_3h	2:10	4.87
Chicago_5yr_3h	2:20	4.3
Chicago_5yr_3h	2:30	3.86
Chicago_5yr_3h	2:40	3.51
Chicago_5yr_3h	2:50	3.22
Chicago_5yr_3h	3:00	2.98
July1_1979	0:00	0
July1_1979	0:05	2.3
July1_1979	0:10	2.3
July1_1979	0:15	8.89
July1_1979	0:20	8.89
July1_1979	0:25	8.89
July1_1979	0:30	8.89
July1_1979	0:35	38.1
July1_1979	0:40	38.1
July1_1979	0:45	38.1
July1_1979	0:50	38.1
July1_1979	0:55	38.1
July1_1979	1:00	38.1
July1_1979	1:05	38.1
July1_1979	1:10	50.8
July1_1979	1:15	50.8
July1_1979	1:20	76.2
July1_1979	1:25	106.7
July1_1979	1:30	106.7
July1_1979	1:35	71.1
July1_1979	1:40	71.1
July1_1979	1:45	30.5
July1_1979	1:50	30.5
July1_1979	1:55	30.5
July1_1979	2:00	30.5
July1_1979	2:05	3.8
July1_1979	2:10	3.8
July1_1979	2:15	3.8
July1_1979	2:20	3.8
July1_1979	2:25	3.8
July1_1979	2:30	3.8
July1_1979	2:35	3.8
July1_1979	2:40	3.8
July1_1979	2:45	3.8
July1_1979	2:50	3.8
July1_1979	2:55	3.8
July1_1979	3:00	3.8
SCS_Type_II_100yr_103.2mm	0:00	1.17
SCS_Type_II_100yr_103.2mm	0:10	1.17
SCS_Type_II_100yr_103.2mm	0:20	1.17
SCS_Type_II_100yr_103.2mm	0:30	1.17
SCS_Type_II_100yr_103.2mm	0:40	1.17
SCS_Type_II_100yr_103.2mm	0:50	1.17
SCS_Type_II_100yr_103.2mm	1:00	1.17
SCS_Type_II_100yr_103.2mm	1:10	1.17
SCS_Type_II_100yr_103.2mm	1:20	1.17
SCS_Type_II_100yr_103.2mm	1:30	1.17
SCS_Type_II_100yr_103.2mm	1:40	1.17
SCS_Type_II_100yr_103.2mm	1:50	1.17
SCS_Type_II_100yr_103.2mm	2:00	1.39
SCS_Type_II_100yr_103.2mm	2:10	1.39
SCS_Type_II_100yr_103.2mm	2:20	1.39
SCS_Type_II_100yr_103.2mm	2:30	1.39

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

```
SCS_Type_II_100yr_103.2mm       2:40    1.39
SCS_Type_II_100yr_103.2mm       2:50    1.39
SCS_Type_II_100yr_103.2mm       3:00    1.39
SCS_Type_II_100yr_103.2mm       3:10    1.39
SCS_Type_II_100yr_103.2mm       3:20    1.39
SCS_Type_II_100yr_103.2mm       3:30    1.39
SCS_Type_II_100yr_103.2mm       3:40    1.39
SCS_Type_II_100yr_103.2mm       3:50    1.39
SCS_Type_II_100yr_103.2mm       4:00    1.71
SCS_Type_II_100yr_103.2mm       4:10    1.71
SCS_Type_II_100yr_103.2mm       4:20    1.71
SCS_Type_II_100yr_103.2mm       4:30    1.71
SCS_Type_II_100yr_103.2mm       4:40    1.71
SCS_Type_II_100yr_103.2mm       4:50    1.71
SCS_Type_II_100yr_103.2mm       5:00    1.71
SCS_Type_II_100yr_103.2mm       5:10    1.71
SCS_Type_II_100yr_103.2mm       5:20    1.71
SCS_Type_II_100yr_103.2mm       5:30    1.71
SCS_Type_II_100yr_103.2mm       5:40    1.71
SCS_Type_II_100yr_103.2mm       5:50    1.71
SCS_Type_II_100yr_103.2mm       6:00    1.92
SCS_Type_II_100yr_103.2mm       6:10    1.92
SCS_Type_II_100yr_103.2mm       6:20    1.92
SCS_Type_II_100yr_103.2mm       6:30    1.92
SCS_Type_II_100yr_103.2mm       6:40    1.92
SCS_Type_II_100yr_103.2mm       6:50    1.92
SCS_Type_II_100yr_103.2mm       7:00    2.35
SCS_Type_II_100yr_103.2mm       7:10    2.35
SCS_Type_II_100yr_103.2mm       7:20    2.35
SCS_Type_II_100yr_103.2mm       7:30    2.35
SCS_Type_II_100yr_103.2mm       7:40    2.35
SCS_Type_II_100yr_103.2mm       7:50    2.35
SCS_Type_II_100yr_103.2mm       8:00    2.78
SCS_Type_II_100yr_103.2mm       8:10    2.78
SCS_Type_II_100yr_103.2mm       8:20    2.78
SCS_Type_II_100yr_103.2mm       8:30    2.99
SCS_Type_II_100yr_103.2mm       8:40    2.99
SCS_Type_II_100yr_103.2mm       8:50    2.99
SCS_Type_II_100yr_103.2mm       9:00    3.42
SCS_Type_II_100yr_103.2mm       9:10    3.42
SCS_Type_II_100yr_103.2mm       9:20    3.42
SCS_Type_II_100yr_103.2mm       9:30    3.84
SCS_Type_II_100yr_103.2mm       9:40    3.84
SCS_Type_II_100yr_103.2mm       9:50    3.84
SCS_Type_II_100yr_103.2mm       10:00   4.91
SCS_Type_II_100yr_103.2mm       10:10   4.91
SCS_Type_II_100yr_103.2mm       10:20   4.91
SCS_Type_II_100yr_103.2mm       10:30   6.62
SCS_Type_II_100yr_103.2mm       10:40   6.62
SCS_Type_II_100yr_103.2mm       10:50   6.62
SCS_Type_II_100yr_103.2mm       11:00   10.25
SCS_Type_II_100yr_103.2mm       11:10   10.25
SCS_Type_II_100yr_103.2mm       11:20   10.25
SCS_Type_II_100yr_103.2mm       11:30   31.6
SCS_Type_II_100yr_103.2mm       11:40   81.12
SCS_Type_II_100yr_103.2mm       11:50   130.65
SCS_Type_II_100yr_103.2mm       12:00   15.37
SCS_Type_II_100yr_103.2mm       12:10   15.37
SCS_Type_II_100yr_103.2mm       12:20   15.37
SCS_Type_II_100yr_103.2mm       12:30   7.9
SCS_Type_II_100yr_103.2mm       12:40   7.9
SCS_Type_II_100yr_103.2mm       12:50   7.9
SCS_Type_II_100yr_103.2mm       13:00   5.76
SCS_Type_II_100yr_103.2mm       13:10   5.76
SCS_Type_II_100yr_103.2mm       13:20   5.76
SCS_Type_II_100yr_103.2mm       13:30   4.48
SCS_Type_II_100yr_103.2mm       13:40   4.48
SCS_Type_II_100yr_103.2mm       13:50   4.48
SCS_Type_II_100yr_103.2mm       14:00   3.2
SCS_Type_II_100yr_103.2mm       14:10   3.2
SCS_Type_II_100yr_103.2mm       14:20   3.2
SCS_Type_II_100yr_103.2mm       14:30   3.2
SCS_Type_II_100yr_103.2mm       14:40   3.2
SCS_Type_II_100yr_103.2mm       14:50   3.2
SCS_Type_II_100yr_103.2mm       15:00   3.2
SCS_Type_II_100yr_103.2mm       15:10   3.2
SCS_Type_II_100yr_103.2mm       15:20   3.2
SCS_Type_II_100yr_103.2mm       15:30   3.2
SCS_Type_II_100yr_103.2mm       15:40   3.2
SCS_Type_II_100yr_103.2mm       15:50   3.2
SCS_Type_II_100yr_103.2mm       16:00   1.92
SCS_Type_II_100yr_103.2mm       16:10   1.92
SCS_Type_II_100yr_103.2mm       16:20   1.92
SCS_Type_II_100yr_103.2mm       16:30   1.92
SCS_Type_II_100yr_103.2mm       16:40   1.92
SCS_Type_II_100yr_103.2mm       16:50   1.92
SCS_Type_II_100yr_103.2mm       17:00   1.92
SCS_Type_II_100yr_103.2mm       17:10   1.92
SCS_Type_II_100yr_103.2mm       17:20   1.92
SCS_Type_II_100yr_103.2mm       17:30   1.92
SCS_Type_II_100yr_103.2mm       17:40   1.92
SCS_Type_II_100yr_103.2mm       17:50   1.92
SCS_Type_II_100yr_103.2mm       18:00   1.92
SCS_Type_II_100yr_103.2mm       18:10   1.92
SCS_Type_II_100yr_103.2mm       18:20   1.92
SCS_Type_II_100yr_103.2mm       18:30   1.92
SCS_Type_II_100yr_103.2mm       18:40   1.92
SCS_Type_II_100yr_103.2mm       18:50   1.92
SCS_Type_II_100yr_103.2mm       19:00   1.92
SCS_Type_II_100yr_103.2mm       19:10   1.92
SCS_Type_II_100yr_103.2mm       19:20   1.92
SCS_Type_II_100yr_103.2mm       19:30   1.92
SCS_Type_II_100yr_103.2mm       19:40   1.92
SCS_Type_II_100yr_103.2mm       19:50   1.92
SCS_Type_II_100yr_103.2mm       20:00   1.28
SCS_Type_II_100yr_103.2mm       20:10   1.28
SCS_Type_II_100yr_103.2mm       20:20   1.28
SCS_Type_II_100yr_103.2mm       20:30   1.28
SCS_Type_II_100yr_103.2mm       20:40   1.28
SCS_Type_II_100yr_103.2mm       20:50   1.28
SCS_Type_II_100yr_103.2mm       21:00   1.28
SCS_Type_II_100yr_103.2mm       21:10   1.28
SCS_Type_II_100yr_103.2mm       21:20   1.28
SCS_Type_II_100yr_103.2mm       21:30   1.28
SCS_Type_II_100yr_103.2mm       21:40   1.28
SCS_Type_II_100yr_103.2mm       21:50   1.28
SCS_Type_II_100yr_103.2mm       22:00   1.28
SCS_Type_II_100yr_103.2mm       22:10   1.28
SCS_Type_II_100yr_103.2mm       22:20   1.28
SCS_Type_II_100yr_103.2mm       22:30   1.28
SCS_Type_II_100yr_103.2mm       22:40   1.28
SCS_Type_II_100yr_103.2mm       22:50   1.28
SCS_Type_II_100yr_103.2mm       23:00   1.28
SCS_Type_II_100yr_103.2mm       23:10   1.28
SCS_Type_II_100yr_103.2mm       23:20   1.28
SCS_Type_II_100yr_103.2mm       23:30   1.28
SCS_Type_II_100yr_103.2mm       23:40   1.28
SCS_Type_II_100yr_103.2mm       23:50   1.28

[REPORT]
;;Reporting Options
INPUT      YES
CONTROLS   NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]
Node       3-29_spill       spill
Node       3001             ExMH
Node       3002             ExMH
Node       3003             ExMH
Node       3004             ExMH
Node       3005             ExMH
Node       3006             ExMH
Node       3007             ExMH
Node       3008             ExMH
Node       3009             ExMH
Node       3010             ExMH
Node       3011             ExMH
Node       3012             ExMH
Node       3013             ExMH
Node       3014             ExMH
Node       3015             ExMH
Node       3016             ExMH
Node       3017             ExMH
Node       3018             ExMH
Node       3019             ExMH
Node       3020             ExMH
Node       3021             ExMH
Node       3022             ExMH
Node       3023             ExMH
Node       3024             ExMH
Node       3025             ExMH
Node       3026             ExMH
Node       3027             ExMH
Node       3028             ExMH
Node       3029             ExMH
Node       CB101A           CB
Node       CB103A           CB
Node       CB105A           CB
Node       CB107A           CB
Node       CB3029A          CB
Node       STM100           MH
Node       STM101           MH
Node       STM102           MH
Node       STM103           MH
Node       STM104           MH
Node       STM105           MH
Node       STM106           MH
Node       STM107           MH
Link       C10              MajorSystem
Link       C2               MajorSystem
Link       C6               MajorSystem
Link       C7               MajorSystem
Link       C8               MajorSystem
Link       C9               MajorSystem
Link       L1               ExMinorSystem
Link       L11              ExMinorSystem
Link       L12              ExMinorSystem
Link       L13              ExMinorSystem
Link       L15              ExMinorSystem
Link       L16              ExMinorSystem
Link       L17              ExMinorSystem
Link       L18              ExMinorSystem
Link       L19              ExMinorSystem
Link       L2               ExMinorSystem
Link       L20              ExMinorSystem
Link       L24              ExMinorSystem
Link       L25              ExMinorSystem
Link       L26-1            ExMinorSystem
Link       L26-2            ExMinorSystem
Link       L27-1            ExMinorSystem
Link       L27-2            ExMinorSystem
Link       L28              ExMinorSystem
Link       L29              ExMinorSystem
Link       L3               ExMinorSystem
Link       L30              ExMinorSystem
Link       L32              ExMinorSystem
Link       L33              ExMinorSystem
Link       L34              ExMinorSystem
Link       L35              ExMinorSystem
Link       L36              ExMinorSystem
Link       L37              ExMinorSystem
Link       L38              ExMinorSystem
Link       L39-1            ExMinorSystem
Link       L39-2            ExMinorSystem
Link       L39-3            ExMinorSystem
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Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

```
Link       L4              ExMinorSystem
Link       L5              ExMinorSystem
Link       L6              ExMinorSystem
Link       L7              ExMinorSystem
Link       CB-101A-1       CB_Lead
Link       CB-101A-2       CB_Lead
Link       CB-103A-1       CB_Lead
Link       CB-103A-2       CB_Lead
Link       CB-105A-1       CB_Lead
Link       CB-105A-2       CB_Lead
Link       CB-107A-1       CB_Lead
Link       CB-107A-2       CB_Lead
Link       CB-3029A-1      CB_Lead
Link       CB-3029A-2      CB_Lead

[MAP]
DIMENSIONS       353955.41775     5015802.96245    354396.06125
5016148.81455
UNITS            Meters

[COORDINATES]
;;Node            X-Coord            Y-Coord
;;--------------- ------------------ ------------------
3-29_spill       354174.88          5015904.66
3030-Bypass      354137.614         5015843.459
OF1              354079.347         5015879.073
OF2              354109.679         5015864.59
OF3              354147.484         5015847.035
OF4              354180.043         5015832.892
OF5              354209.555         5015818.683
3001             354287.358         5016133.094
3002             354188.829         5016099.754
3003             354091.265         5016066.737
3004             353975.447         5016076.902
3005             353993.702         5016033.713
3006             354016.7           5016002.619
3007             354040.321         5015979.51
3008             354308.837         5016059.521
3009             354232.864         5016033.899
3010             354157.087         5016008.254
3011             354080.212         5015982.23
3012             354063.223         5015965.103
3013             354296.783         5016128.788
3014             354323.034         5016064.418
3015             354376.032         5015919.321
3016             354373.703         5015941.375
3017             354351.977         5015993.447
3018             354372.46          5015903.924
3019             354362.45          5015882.497
3020             354352.258         5015879.332
3021             354244.109         5015929.404
3022             354295.143         5015974.215
3023             354236.307         5015954.302
3024             354191.584         5015939.161
3025             354178.918         5015926.422
3026             354364.89          5015820.284
3027             354297.864         5015851.885
3028             354218.01          5015889.18
3029             354170.349         5015911.713
CB101A           354219.386         5015844.18
CB103A           354189.181         5015859.339
CB105A           354121.754         5015890.161
CB107A           354090.819         5015904.534
CB3029A          354156.674         5015873.823
STM100           354233.774         5015881.677
STM101           354210.534         5015828.728
STM102           354203             5015896.135
STM103           354179.321         5015842.13
STM104           354136.407         5015928.433
STM105           354111.026         5015873.634
STM106           354105.963         5015943.603
STM107           354080.266         5015887.943

[VERTICES]
;;Link            X-Coord            Y-Coord
;;--------------- ------------------ ------------------
CB-101A-2        354216.443         5015840.456
CB-103A-2        354185.103         5015853.927
CB-105A-2        354116.661         5015884.132
CB-107A-2        354086.478         5015899.366
CB-3029A-2       354165.49          5015894.131

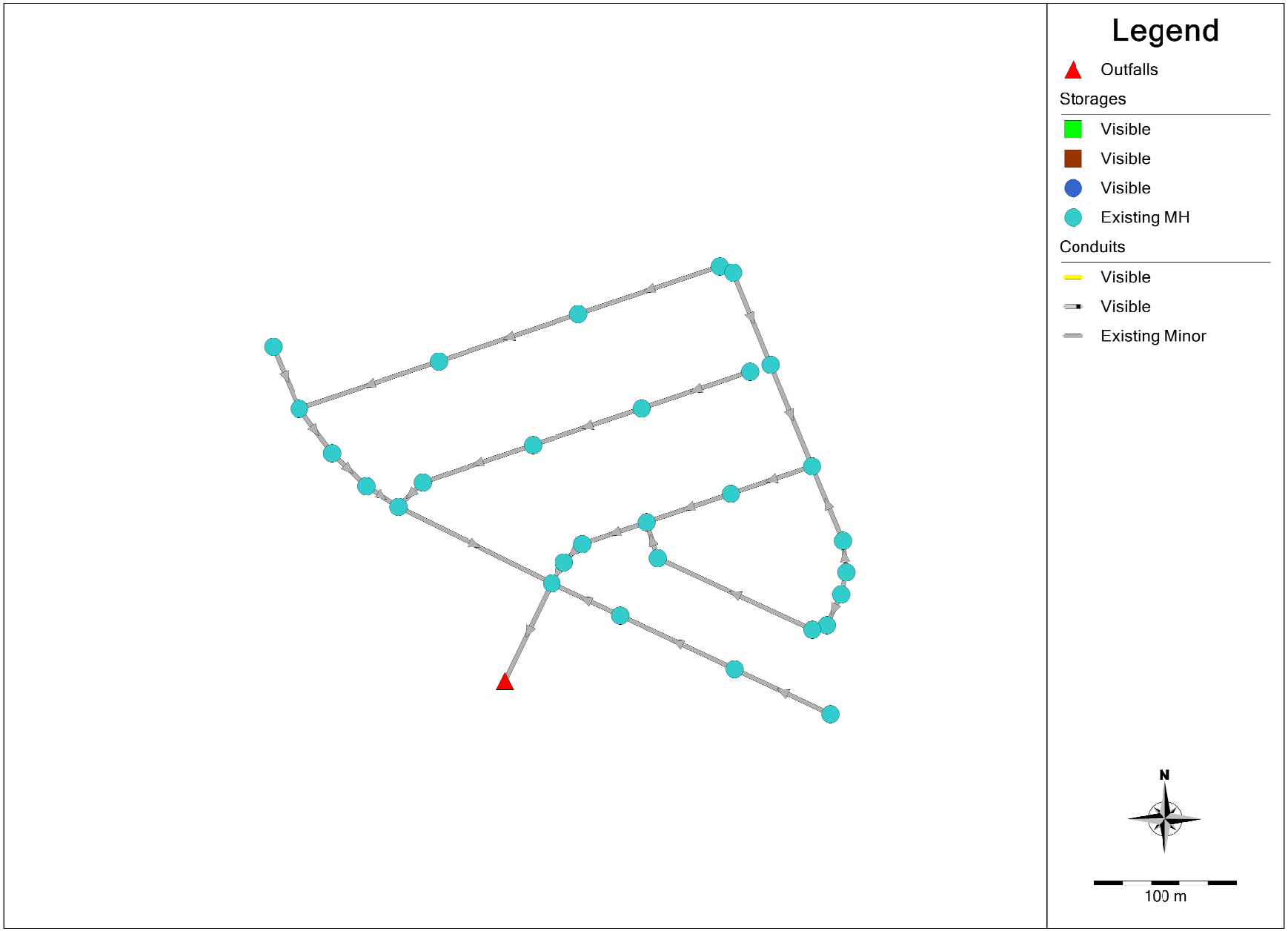
[POLYGONS]
;;Subcatchment    X-Coord            Y-Coord
;;--------------- ------------------ ------------------
C101A            354202.692         5015830.001
C101A            354194.651         5015833.552
C101A            354194.651         5015833.552
C101A            354202.586         5015850.703
C101A            354202.586         5015850.703
C101A            354205.599         5015851.513
C101A            354205.599         5015851.513
C101A            354204.443         5015854.475
C101A            354204.443         5015854.475
C101A            354212.2           5015871.485
C101A            354212.2           5015871.485
C101A            354220.112         5015867.656
C101A            354220.112         5015867.656
C101A            354226.831         5015862.623
C101A            354226.831         5015862.623
C101A            354232.295         5015860.095
C101A            354232.295         5015860.095
C101A            354223.403         5015843.252
C101A            354223.403         5015843.252
C101A            354214.375         5015825.648
C101A            354214.375         5015825.648
C101A            354207.69          5015828.87
C101A            354207.69          5015828.87
C101A            354202.692         5015830.001
C103A            354204.16          5015875.037
C103A            354212.2           5015871.485
C103A            354212.2           5015871.485
C103A            354204.443         5015854.475
C103A            354204.443         5015854.475
C103A            354205.599         5015851.513
C103A            354205.599         5015851.513
C103A            354202.586         5015850.703
C103A            354202.586         5015850.703
C103A            354194.651         5015833.552
C103A            354194.651         5015833.552
C103A            354186.739         5015837.381
C103A            354186.739         5015837.381
C103A            354182.641         5015840.459
C103A            354182.641         5015840.459
C103A            354176.833         5015843.146
C103A            354176.833         5015843.146
C103A            354171.834         5015844.276
C103A            354171.834         5015844.276
C103A            354163.794         5015847.828
C103A            354163.794         5015847.828
C103A            354171.728         5015864.979
C103A            354171.728         5015864.979
C103A            354177.074         5015864.71
C103A            354177.074         5015864.71
C103A            354173.408         5015868.61
C103A            354173.408         5015868.61
C103A            354181.343         5015885.761
C103A            354181.343         5015885.761
C103A            354189.255         5015881.932
C103A            354189.255         5015881.932
C103A            354195.589         5015883.687
C103A            354195.589         5015883.687
C103A            354201.397         5015881
C103A            354201.397         5015881
C103A            354204.16          5015875.037
C105A            354136.999         5015906.108
C105A            354145.039         5015902.556
C105A            354145.039         5015902.556
C105A            354137.105         5015885.405
C105A            354137.105         5015885.405
C105A            354137.187         5015883.163
C105A            354137.187         5015883.163
C105A            354135.425         5015881.774
C105A            354135.425         5015881.774
C105A            354127.49          5015864.623
C105A            354127.49          5015864.623
C105A            354119.578         5015868.452
C105A            354119.578         5015868.452
C105A            354115.48          5015871.53
C105A            354115.48          5015871.53
C105A            354109.672         5015874.217
C105A            354109.672         5015874.217
C105A            354104.673         5015875.347
C105A            354104.673         5015875.347
C105A            354096.633         5015878.899
C105A            354096.633         5015878.899
C105A            354104.567         5015896.05
C105A            354104.567         5015896.05
C105A            354106.319         5015897.444
C105A            354106.319         5015897.444
C105A            354106.247         5015899.681
C105A            354106.247         5015899.681
C105A            354114.182         5015916.832
C105A            354114.182         5015916.832
C105A            354122.094         5015913.003
C105A            354122.094         5015913.003
C105A            354128.428         5015914.758
C105A            354128.428         5015914.758
C105A            354134.238         5015912.075
C105A            354134.238         5015912.075
C105A            354136.999         5015906.108
C107A            354096.633         5015878.899
C107A            354088.72          5015882.728
C107A            354088.72          5015882.728
C107A            354084.623         5015885.805
C107A            354084.623         5015885.805
C107A            354078.814         5015888.493
C107A            354078.814         5015888.493
C107A            354078.366         5015894.318
C107A            354078.366         5015894.318
C107A            354092.46          5015924.787
C107A            354092.46          5015924.787
C107A            354097.955         5015922.245
C107A            354097.955         5015922.245
C107A            354100.678         5015920.986
C107A            354100.678         5015920.986
C107A            354106.141         5015920.383
C107A            354106.141         5015920.383
C107A            354114.182         5015916.832
C107A            354114.182         5015916.832
C107A            354106.247         5015899.681
C107A            354106.247         5015899.681
C107A            354106.319         5015897.444
C107A            354106.319         5015897.444
C107A            354104.567         5015896.05
C107A            354104.567         5015896.05
C107A            354096.633         5015878.899
C3029A           354173.302         5015889.312
C3029A           354181.343         5015885.761
C3029A           354181.343         5015885.761
C3029A           354173.408         5015868.61
C3029A           354173.408         5015868.61
C3029A           354177.074         5015864.71
C3029A           354177.074         5015864.71
C3029A           354171.728         5015864.979
C3029A           354171.728         5015864.979
C3029A           354163.794         5015847.828
C3029A           354163.794         5015847.828
```

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data

Design Storm: 100 Year 3-hour Chicago Storm

```
C3029A           354155.881         5015851.657
C3029A           354155.881         5015851.657
C3029A           354148.27          5015850.52
C3029A           354148.27          5015850.52
C3029A           354140.446         5015854.14
C3029A           354140.446         5015854.14
C3029A           354135.531         5015861.072
C3029A           354135.531         5015861.072
C3029A           354127.49          5015864.623
C3029A           354127.49          5015864.623
C3029A           354135.425         5015881.774
C3029A           354135.425         5015881.774
C3029A           354137.187         5015883.163
C3029A           354137.187         5015883.163
C3029A           354137.105         5015885.405
C3029A           354137.105         5015885.405
C3029A           354145.039         5015902.556
C3029A           354145.039         5015902.556
C3029A           354152.952         5015898.727
C3029A           354152.952         5015898.727
C3029A           354158.928         5015894.04
C3029A           354158.928         5015894.04
C3029A           354166.734         5015890.424
C3029A           354166.734         5015890.424
C3029A           354173.302         5015889.312

[SYMBOLS]
;;Gage           X-Coord            Y-Coord
;;-------------- ------------------ ------------------
```


Legend
Outfalls
Storages
Visible
Visible
Visible
Existing MH
Conduits
Visible
Visible
Existing Minor
N
100 m

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data – 2011 Subdivision

Design Storm: 100 Year 3-hour Chicago Storm

```
[TITLE]
;;Project Title/Notes
Akerson Road
Option 1: Increase allowable minor system discharge
HGL-2011-100yr: Re-creation of 2011 subdivision HGL using DDSWMM
data files from Soho West Phase 1 and 2 (160400502)
v0: Original simulation
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[OPTIONS]
;;Option             Value
FLOW_UNITS           CMS
INFILTRATION         HORTON
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           2/10/2023
START_TIME           00:00:00
REPORT_START_DATE    2/10/2023
REPORT_START_TIME    00:00:00
END_DATE             2/11/2023
END_TIME             00:00:00
SWEEP_START          1/1
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:01:00
WET_STEP             00:05:00
DRY_STEP             00:05:00
ROUTING_STEP         5
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              4

[EVAPORATION]
;;Data Source    Parameters
;;-------------- ----------------
CONSTANT         0.0
DRY_ONLY         NO

[RAINGAGES]
;;Name           Format    Interval SCF      Source
;;-------------- --------- -------- -------- ----------
August4_1988     INTENSITY 0:05     1.0      TIMESERIES
August4_1988
August8_1996     INTENSITY 0:05     1.0      TIMESERIES
August8_1996
Chicago_100yr_3h INTENSITY 0:10     1.0      TIMESERIES
Chicago_100yr_3h
Chicago_100yr+20%_3h INTENSITY 0:10     1.0      TIMESERIES
Chicago_100yr+20%_3h
Chicago_2yr_3h   INTENSITY 0:10     1.0      TIMESERIES
Chicago_2yr_3h
Chicago_5yr_3h   INTENSITY 0:10     1.0      TIMESERIES
Chicago_5yr_3h
July1_1979       INTENSITY 0:05     1.0      TIMESERIES
July1_1979
SCS_Type_II_100yr_103.2mm INTENSITY 0:10     1.0      TIMESERIES
SCS_Type_II_100yr_103.2mm

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated
Route To
;;-------------- ---------- ---------- ---------------- --------
----------------
3030-Bypass      93.15      FIXED      94.39            YES

[STORAGE]
;;Name           Elev.    MaxDepth   InitDepth  Shape      Curve
Name/Params            N/A      Fevap    Psi      Ksat     IMD
;;-------------- -------- ---------- ---------- ---------- ------
---------------------- -------- --------           -------- ------
--
3001             94.45    3.05       0          FUNCTIONAL 0
0         1.13     0        0
3002             94.18    3.02       0          FUNCTIONAL 0
0         1.13     0        0
3003             93.94    2.91       0          FUNCTIONAL 0
0         1.13     0        0
3004             94.04    2.86       0          FUNCTIONAL 0
0         1.13     0        0
3005             93.65    3.25       0          FUNCTIONAL 0
0         1.13     0        0
3006             93.54    3.06       0          FUNCTIONAL 0
0         1.13     0        0
3007             93.5     3.15       0          FUNCTIONAL 0
0         1.13     0        0
3008             94.32    2.98       0          FUNCTIONAL 0
0         1.13     0        0
3009             94.08    2.72       0          FUNCTIONAL 0
0         1.13     0        0
3010             93.87    3.03       0          FUNCTIONAL 0
0         1.13     0        0
3011             93.73    2.97       0          FUNCTIONAL 0
0         1.13     0        0
;1.03
3012             93.4     3.35       0          FUNCTIONAL 0
0         1.13     0        0
3013             94.57    2.93       0          FUNCTIONAL 0
0         1.13     0        0
3014             94.18    3.27       0          FUNCTIONAL 0
0         1.13     0        0
3015             94.32    2.78       0          FUNCTIONAL 0
0         1.13     0        0
3016             94.21    3.04       0          FUNCTIONAL 0
0         1.13     0        0
3017             93.92    3.28       0          FUNCTIONAL 0
0         1.13     0        0
3018             94.27    2.83       0          FUNCTIONAL 0
0         1.13     0        0
3019             94.18    3.02       0          FUNCTIONAL 0
0         1.13     0        0
3020             94       3.2        0          FUNCTIONAL 0
0         1.13     0        0
3021             93.78    3.02       0          FUNCTIONAL 0
0         1.13     0        0
3022             93.75    3.05       0          FUNCTIONAL 0
0         1.13     0        0
3023             93.44    3.36       0          FUNCTIONAL 0
0         1.13     0        0
3024             93.36    3.39       0          FUNCTIONAL 0
0         1.13     0        0
3025             93.32    3.18       0          FUNCTIONAL 0
0         1.13     0        0
3026             93.9     2.55       0          FUNCTIONAL 0
0         1.13     0        0
;0.74
3027             93.71    3.45       0          FUNCTIONAL 0
0         1.13     0        0
;0.86
3028             93.59    3.35       0          FUNCTIONAL 0
0         1.13     0        0
;1.2
3029             93.22    3.31       0          FUNCTIONAL 0
0         1.13     0        0

[CONDUITS]
;;Name           From Node        To Node          Length
Roughness  InOffset   OutOffset  InitFlow   MaxFlow
;;-------------- ---------------- ---------------- ---------- ---
------- ---------- ---------- ---------- ----------
L1               3004             3005             46.892
0.013      94.04      93.95      0          0
L11              3018             3019             23.652
0.013      94.27      94.21      0          0
L12              3019             3020             10.673
0.013      94.18      94.15      0          0
L13              3020             3021             119.187
0.013      94         93.81      0          0
L15              3022             3023             62.119
0.013      93.75      93.67      0          0
L16              3021             3023             26.094
0.013      93.78      93.74      0          0
L17              3008             3009             80.184
0.013      94.32      94.16      0          0
L18              3009             3010             80.005
0.013      94.08      93.95      0          0
L19              3010             3011             81.167
0.013      93.87      93.76      0          0
L2               3001             3002             104.025
0.013      94.45      94.25      0          0
L20              3011             3012             24.126
0.013      93.73      93.7       0          0
L24              3029             3030-Bypass      75.703
0.013      93.22      93.2       0          0
L25              3026             3027             74.108
0.013      93.9       93.78      0          0
L26              3027             3028             88.141
0.013      93.71      93.59      0          0
L27              3028             3029             52.723
0.013      93.59      93.52      0          0
L28              3023             3024             47.22
0.013      93.44      93.39      0          0
L29              3024             3025             17.966
0.013      93.36      93.35      0          0
L3               3002             3003             103.007
0.013      94.18      94.01      0          0
L30              3025             3029             17.024
0.013      93.32      93.3       0          0
L32              3017             3022             60.004
0.013      93.92      93.82      0          0
L33              3015             3018             15.807
0.013      94.43      94.37      0          0
```

```
L34              3015             3016             22.178
0.013      94.32      94.24      0          0
L35              3016             3017             56.427
0.013      94.21      94.07      0          0
L36              3005             3006             38.678
0.013      93.65      93.61      0          0
L37              3006             3007             33.048
0.013      93.54      93.5       0          0
L38              3007             3012             27.059
0.013      93.5       93.48      0          0
L39              3012             3029             119.702
0.013      93.4       93.28      0          0
L4               3003             3005             103.009
0.013      93.94      93.8       0          0
L5               3001             3013             10.363
0.013      94.64      94.6       0          0
L6               3013             3014             69.522
0.013      94.57      94.33      0          0
L7               3014             3017             76.651
0.013      94.18      93.99      0          0

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3
Geom4      Barrels    Culvert
;;-------------- ------------ ---------------- ---------- -------
--- ---------- ---------- ----------
L1               CIRCULAR     0.45             0          0
0          1
L11              CIRCULAR     0.375            0          0
0          1
L12              CIRCULAR     0.375            0          0
0          1
L13              CIRCULAR     0.525            0          0
0          1
L15              CIRCULAR     0.6              0          0
0          1
L16              CIRCULAR     0.525            0          0
0          1
L17              CIRCULAR     0.45             0          0
0          1
L18              CIRCULAR     0.525            0          0
0          1
L19              CIRCULAR     0.6              0          0
0          1
L2               CIRCULAR     0.45             0          0
0          1
L20              CIRCULAR     0.6              0          0
0          1
L24              RECT_CLOSED  0.9              1.8        0
0          1
L25              CIRCULAR     0.525            0          0
0          1
L26              CIRCULAR     0.6              0          0
0          1
L27              CIRCULAR     0.6              0          0
0          1
L28              CIRCULAR     0.825            0          0
0          1
L29              CIRCULAR     0.825            0          0
0          1
L3               CIRCULAR     0.525            0          0
0          1
L30              CIRCULAR     0.825            0          0
0          1
L32              CIRCULAR     0.525            0          0
0          1
L33              CIRCULAR     0.3              0          0
0          1
L34              CIRCULAR     0.375            0          0
0          1
L35              CIRCULAR     0.375            0          0
0          1
L36              CIRCULAR     0.75             0          0
0          1
L37              CIRCULAR     0.825            0          0
0          1
L38              CIRCULAR     0.825            0          0
0          1
L39              RECT_CLOSED  0.9              1.8        0
0          1
L4               CIRCULAR     0.6              0          0
0          1
L5               CIRCULAR     0.3              0          0
0          1
L6               CIRCULAR     0.3              0          0
0          1
L7               CIRCULAR     0.45             0          0
0          1

[TRANSECTS]
;;Transect Data in HEC-2 format
;
NC 0.025    0.025    0.013
X1 18mROW            7        4.75     13.25    0.0       0.0
0.0       0.0       0.0
GR 0.3      0        0.15     4.75     0        4.75      0.13
9         0        13.25
GR 0.15     13.25    0.3      18

[LOSSES]
;;Link           Kentry     Kexit      Kavg       Flap Gate
Seepage
;;-------------- ---------- ---------- ---------- ---------- ----
------

[INFLOWS]
;;Node           Constituent      Time Series      Type
Mfactor  Sfactor  Baseline Pattern
;;-------------- ---------------- ---------------- --------
--- --------- --------- ---------
3001             FLOW             3001             FLOW     1.0
1         0
3002             FLOW             3002             FLOW     1.0
1         0
3003             FLOW             3003             FLOW     1.0
1         0
3004             FLOW             3004             FLOW     1.0
1         0
3005             FLOW             3005             FLOW     1.0
1         0
3006             FLOW             3006             FLOW     1.0
1         0
3008             FLOW             3008             FLOW     1.0
1         0
3009             FLOW             3009             FLOW     1.0
1         0
3010             FLOW             3010             FLOW     1.0
1         0
3011             FLOW             3011             FLOW     1.0
1         0
3012             FLOW             3012             FLOW     1.0
1         0
3014             FLOW             3014             FLOW     1.0
1         0
3015             FLOW             3015(combined)   FLOW     1.0
1         0
3017             FLOW             3017             FLOW     1.0
1         0
3020             FLOW             3020             FLOW     1.0
1         0
3021             FLOW             3021             FLOW     1.0
1         0
3022             FLOW             3022             FLOW     1.0
1         0
3023             FLOW             3023             FLOW     1.0
1         0
3024             FLOW             3024             FLOW     1.0
1         0
3026             FLOW             3026             FLOW     1.0
1         0
3027             FLOW             3027             FLOW     1.0
1         0
3028             FLOW             3028             FLOW     1.0
1         0
3029             FLOW             3029             FLOW     1.0
1         0

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
Curve1           Storage    0          0
Curve1                      1.2        0
Curve1                      1.38       233

Curve2           Storage    0          0
Curve2                      1.2        0
Curve2                      1.38       338.7

Curve3           Storage    0          0
Curve3                      1.2        0
Curve3                      1.31       194.7

Curve4           Storage    0          0
Curve4                      1.2        0
Curve4                      1.37       245.2

Curve5           Storage    0          0
Curve5                      1.2        0
Curve5                      1.37       258.1

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
3001                        0:0        0
3001                        0:05       0
3001                        0:10       0
3001                        0:15       0
3001                        0:20       0
3001                        0:25       0
3001                        0:30       0.001
3001                        0:35       0.002
3001                        0:40       0.004
3001                        0:45       0.008
3001                        0:50       0.016
3001                        0:55       0.042
3001                        1:00       0.064
3001                        1:05       0.064
3001                        1:10       0.064
3001                        1:15       0.064
3001                        1:20       0.064
3001                        1:25       0.063
3001                        1:30       0.061
3001                        1:35       0.059
3001                        1:40       0.056
3001                        1:45       0.051
3001                        1:50       0.045
3001                        1:55       0.041
3001                        2:00       0.037
3001                        2:05       0.033
3001                        2:10       0.03
3001                        2:15       0.027
3001                        2:20       0.024
3001                        2:25       0.022
3001                        2:30       0.02
3001                        2:35       0.018
3001                        2:40       0.016
3001                        2:45       0.015
```

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data – 2011 Subdivision

Design Storm: 100 Year 3-hour Chicago Storm

3001	2:50	0.014	3001	11:55	0.001
3001	2:55	0.013	3001	12:00	0.001
3001	3:00	0.012	3001	12:05	0.001
3001	3:05	0.012	3001	12:10	0.001
3001	3:10	0.011	3001	12:15	0.001
3001	3:15	0.01	3001	12:20	0.001
3001	3:20	0.009	3001	12:25	0.001
3001	3:25	0.008	3001	12:30	0.001
3001	3:30	0.008	3001	12:35	0.001
3001	3:35	0.007	3001	12:40	0.001
3001	3:40	0.006	3001	12:45	0.001
3001	3:45	0.006	3001	12:50	0.001
3001	3:50	0.005	3001	12:55	0.001
3001	3:55	0.005	3001	13:00	0.001
3001	4:00	0.005	3001	13:05	0.001
3001	4:05	0.004	3001	13:10	0.001
3001	4:10	0.004	3001	13:15	0.001
3001	4:15	0.004	3001	13:20	0.001
3001	4:20	0.004	3001	13:25	0.001
3001	4:25	0.003	3001	13:30	0.001
3001	4:30	0.003	3001	13:35	0.001
3001	4:35	0.003	3001	13:40	0.001
3001	4:40	0.003	3001	13:45	0.001
3001	4:45	0.003	3001	13:50	0.001
3001	4:50	0.003	3001	13:55	0.001
3001	4:55	0.003	3001	14:00	0.001
3001	5:00	0.002	3001	14:05	0.001
3001	5:05	0.002	3001	14:10	0.001
3001	5:10	0.002	3001	14:15	0.001
3001	5:15	0.002	3001	14:20	0.001
3001	5:20	0.002	3001	14:25	0.001
3001	5:25	0.002	3001	14:30	0.001
3001	5:30	0.002	3001	14:35	0.001
3001	5:35	0.002	3001	14:40	0.001
3001	5:40	0.002	3001	14:45	0.001
3001	5:45	0.002	3001	14:50	0.001
3001	5:50	0.002	3001	14:55	0.001
3001	5:55	0.002	3001	15:00	0.001
3001	6:00	0.002	3001	15:05	0.001
3001	6:05	0.002	3001	15:10	0.001
3001	6:10	0.002	3001	15:15	0.001
3001	6:15	0.002	3001	15:20	0.001
3001	6:20	0.002	3001	15:25	0.001
3001	6:25	0.002	3001	15:30	0.001
3001	6:30	0.002	3001	15:35	0.001
3001	6:35	0.002	3001	15:40	0
3001	6:40	0.001	3001	15:45	0
3001	6:45	0.001	3001	15:50	0
3001	6:50	0.001	3001	15:55	0
3001	6:55	0.001	3001	16:00	0
3001	7:00	0.001	3001	16:05	0
3001	7:05	0.001	3001	16:10	0
3001	7:10	0.001	3001	16:15	0
3001	7:15	0.001	3001	16:20	0
3001	7:20	0.001	3001	16:25	0
3001	7:25	0.001	3001	16:30	0
3001	7:30	0.001	3001	16:35	0
3001	7:35	0.001	3001	16:40	0
3001	7:40	0.001	3001	16:45	0
3001	7:45	0.001	3001	16:50	0
3001	7:50	0.001	3001	16:55	0
3001	7:55	0.001	3001	17:00	0
3001	8:00	0.001	3001	17:05	0
3001	8:05	0.001	3001	17:10	0
3001	8:10	0.001	3001	17:15	0
3001	8:15	0.001	3001	17:20	0
3001	8:20	0.001	3001	17:25	0
3001	8:25	0.001	3001	17:30	0
3001	8:30	0.001	3001	17:35	0
3001	8:35	0.001	3001	17:40	0
3001	8:40	0.001	3001	17:45	0
3001	8:45	0.001	3001	17:50	0
3001	8:50	0.001	3001	17:55	0
3001	8:55	0.001	3001	18:00	0
3001	9:00	0.001	3001	18:05	0
3001	9:05	0.001	3001	18:10	0
3001	9:10	0.001	3001	18:15	0
3001	9:15	0.001	3001	18:20	0
3001	9:20	0.001	3001	18:25	0
3001	9:25	0.001	3001	18:30	0
3001	9:30	0.001	3001	18:35	0
3001	9:35	0.001	3001	18:40	0
3001	9:40	0.001	3001	18:45	0
3001	9:45	0.001	3001	18:50	0
3001	9:50	0.001	3001	18:55	0
3001	9:55	0.001	3001	19:00	0
3001	10:00	0.001	3001	19:05	0
3001	10:05	0.001	3001	19:10	0
3001	10:10	0.001	3001	19:15	0
3001	10:15	0.001	3001	19:20	0
3001	10:20	0.001	3001	19:25	0
3001	10:25	0.001	3001	19:30	0
3001	10:30	0.001	3001	19:35	0
3001	10:35	0.001	3001	19:40	0
3001	10:40	0.001	3001	19:45	0
3001	10:45	0.001	3001	19:50	0
3001	10:50	0.001	3001	19:55	0
3001	10:55	0.001	3001	20:00	0
3001	11:00	0.001	3001	20:05	0
3001	11:05	0.001	3001	20:10	0
3001	11:10	0.001	3001	20:15	0
3001	11:15	0.001	3001	20:20	0
3001	11:20	0.001	3001	20:25	0
3001	11:25	0.001	3001	20:30	0
3001	11:30	0.001	3001	20:35	0
3001	11:35	0.001	3001	20:40	0
3001	11:40	0.001	3001	20:45	0
3001	11:45	0.001	3001	20:50	0
3001	11:50	0.001	3001	20:55	0

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3001	21:00	0	3002	6:00	0
3001	21:05	0	3002	6:05	0
3001	21:10	0	3002	6:10	0
3001	21:15	0	3002	6:15	0
3001	21:20	0	3002	6:20	0
3001	21:25	0	3002	6:25	0
3001	21:30	0	3002	6:30	0
3001	21:35	0	3002	6:35	0
3001	21:40	0	3002	6:40	0
3001	21:45	0	3002	6:45	0
3001	21:50	0	3002	6:50	0
3001	21:55	0	3002	6:55	0
3001	22:00	0	3002	7:00	0
3001	22:05	0	3002	7:05	0
3001	22:10	0	3002	7:10	0
3001	22:15	0	3002	7:15	0
3001	22:20	0	3002	7:20	0
3001	22:25	0	3002	7:25	0
3001	22:30	0	3002	7:30	0
3001	22:35	0	3002	7:35	0
3001	22:40	0	3002	7:40	0
3001	22:45	0	3002	7:45	0
3001	22:50	0	3002	7:50	0
3001	22:55	0	3002	7:55	0
3001	23:00	0	3002	8:00	0
3001	23:05	0	3002	8:05	0
3001	23:10	0	3002	8:10	0
3001	23:15	0	3002	8:15	0
3001	23:20	0	3002	8:20	0
3001	23:25	0	3002	8:25	0
3001	23:30	0	3002	8:30	0
3001	23:35	0	3002	8:35	0
3001	23:40	0	3002	8:40	0
3001	23:45	0	3002	8:45	0
3001	23:50	0	3002	8:50	0
3001	23:55	0	3002	8:55	0
			3002	9:00	0
3002	0:00	0	3002	9:05	0
3002	0:05	0	3002	9:10	0
3002	0:10	0	3002	9:15	0
3002	0:15	0	3002	9:20	0
3002	0:20	0	3002	9:25	0
3002	0:25	0	3002	9:30	0
3002	0:30	0.001	3002	9:35	0
3002	0:35	0.001	3002	9:40	0
3002	0:40	0.001	3002	9:45	0
3002	0:45	0.003	3002	9:50	0
3002	0:50	0.002	3002	9:55	0
3002	0:55	0.019	3002	10:00	0
3002	1:00	0.021	3002	10:05	0
3002	1:05	0.021	3002	10:10	0
3002	1:10	0.021	3002	10:15	0
3002	1:15	0.021	3002	10:20	0
3002	1:20	0.021	3002	10:25	0
3002	1:25	0.021	3002	10:30	0
3002	1:30	0.021	3002	10:35	0
3002	1:35	0.017	3002	10:40	0
3002	1:40	0.013	3002	10:45	0
3002	1:45	0.008	3002	10:50	0
3002	1:50	0.006	3002	10:55	0
3002	1:55	0.005	3002	11:00	0
3002	2:00	0.004	3002	11:05	0
3002	2:05	0.003	3002	11:10	0
3002	2:10	0.003	3002	11:15	0
3002	2:15	0.003	3002	11:20	0
3002	2:20	0.002	3002	11:25	0
3002	2:25	0.002	3002	11:30	0
3002	2:30	0.002	3002	11:35	0
3002	2:35	0.002	3002	11:40	0
3002	2:40	0.002	3002	11:45	0
3002	2:45	0.002	3002	11:50	0
3002	2:50	0.001	3002	11:55	0
3002	2:55	0.001	3002	12:00	0
3002	3:00	0.002	3002	12:05	0
3002	3:05	0.002	3002	12:10	0
3002	3:10	0.002	3002	12:15	0
3002	3:15	0.001	3002	12:20	0
3002	3:20	0.001	3002	12:25	0
3002	3:25	0.001	3002	12:30	0
3002	3:30	0.001	3002	12:35	0
3002	3:35	0.001	3002	12:40	0
3002	3:40	0.001	3002	12:45	0
3002	3:45	0.001	3002	12:50	0
3002	3:50	0.001	3002	12:55	0
3002	3:55	0.001	3002	13:00	0
3002	4:00	0.001	3002	13:05	0
3002	4:05	0.001	3002	13:10	0
3002	4:10	0.001	3002	13:15	0
3002	4:15	0.001	3002	13:20	0
3002	4:20	0.001	3002	13:25	0
3002	4:25	0.001	3002	13:30	0
3002	4:30	0.001	3002	13:35	0
3002	4:35	0.001	3002	13:40	0
3002	4:40	0.001	3002	13:45	0
3002	4:45	0.001	3002	13:50	0
3002	4:50	0.001	3002	13:55	0
3002	4:55	0.001	3002	14:00	0
3002	5:00	0.001	3002	14:05	0
3002	5:05	0.001	3002	14:10	0
3002	5:10	0.001	3002	14:15	0
3002	5:15	0.001	3002	14:20	0
3002	5:20	0.001	3002	14:25	0
3002	5:25	0.001	3002	14:30	0
3002	5:30	0.001	3002	14:35	0
3002	5:35	0	3002	14:40	0
3002	5:40	0	3002	14:45	0
3002	5:45	0	3002	14:50	0
3002	5:50	0	3002	14:55	0
3002	5:55	0	3002	15:00	0

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3002	15:05	0	3003	0:05	0
3002	15:10	0	3003	0:10	0
3002	15:15	0	3003	0:15	0
3002	15:20	0	3003	0:20	0
3002	15:25	0	3003	0:25	0
3002	15:30	0	3003	0:30	0.001
3002	15:35	0	3003	0:35	0.003
3002	15:40	0	3003	0:40	0.006
3002	15:45	0	3003	0:45	0.011
3002	15:50	0	3003	0:50	0.028
3002	15:55	0	3003	0:55	0.053
3002	16:00	0	3003	1:00	0.064
3002	16:05	0	3003	1:05	0.06
3002	16:10	0	3003	1:10	0.054
3002	16:15	0	3003	1:15	0.051
3002	16:20	0	3003	1:20	0.049
3002	16:25	0	3003	1:25	0.047
3002	16:30	0	3003	1:30	0.045
3002	16:35	0	3003	1:35	0.042
3002	16:40	0	3003	1:40	0.038
3002	16:45	0	3003	1:45	0.035
3002	16:50	0	3003	1:50	0.032
3002	16:55	0	3003	1:55	0.03
3002	17:00	0	3003	2:00	0.027
3002	17:05	0	3003	2:05	0.025
3002	17:10	0	3003	2:10	0.023
3002	17:15	0	3003	2:15	0.021
3002	17:20	0	3003	2:20	0.019
3002	17:25	0	3003	2:25	0.017
3002	17:30	0	3003	2:30	0.016
3002	17:35	0	3003	2:35	0.015
3002	17:40	0	3003	2:40	0.013
3002	17:45	0	3003	2:45	0.012
3002	17:50	0	3003	2:50	0.012
3002	17:55	0	3003	2:55	0.011
3002	18:00	0	3003	3:00	0.01
3002	18:05	0	3003	3:05	0.01
3002	18:10	0	3003	3:10	0.009
3002	18:15	0	3003	3:15	0.008
3002	18:20	0	3003	3:20	0.008
3002	18:25	0	3003	3:25	0.007
3002	18:30	0	3003	3:30	0.006
3002	18:35	0	3003	3:35	0.006
3002	18:40	0	3003	3:40	0.005
3002	18:45	0	3003	3:45	0.005
3002	18:50	0	3003	3:50	0.004
3002	18:55	0	3003	3:55	0.004
3002	19:00	0	3003	4:00	0.004
3002	19:05	0	3003	4:05	0.003
3002	19:10	0	3003	4:10	0.003
3002	19:15	0	3003	4:15	0.003
3002	19:20	0	3003	4:20	0.003
3002	19:25	0	3003	4:25	0.002
3002	19:30	0	3003	4:30	0.002
3002	19:35	0	3003	4:35	0.002
3002	19:40	0	3003	4:40	0.002
3002	19:45	0	3003	4:45	0.002
3002	19:50	0	3003	4:50	0.002
3002	19:55	0	3003	4:55	0.002
3002	20:00	0	3003	5:00	0.002
3002	20:05	0	3003	5:05	0.002
3002	20:10	0	3003	5:10	0.002
3002	20:15	0	3003	5:15	0.001
3002	20:20	0	3003	5:20	0.001
3002	20:25	0	3003	5:25	0.001
3002	20:30	0	3003	5:30	0.001
3002	20:35	0	3003	5:35	0.001
3002	20:40	0	3003	5:40	0.001
3002	20:45	0	3003	5:45	0.001
3002	20:50	0	3003	5:50	0.001
3002	20:55	0	3003	5:55	0.001
3002	21:00	0	3003	6:00	0.001
3002	21:05	0	3003	6:05	0.001
3002	21:10	0	3003	6:10	0.001
3002	21:15	0	3003	6:15	0.001
3002	21:20	0	3003	6:20	0.001
3002	21:25	0	3003	6:25	0.001
3002	21:30	0	3003	6:30	0.001
3002	21:35	0	3003	6:35	0.001
3002	21:40	0	3003	6:40	0.001
3002	21:45	0	3003	6:45	0.001
3002	21:50	0	3003	6:50	0.001
3002	21:55	0	3003	6:55	0.001
3002	22:00	0	3003	7:00	0.001
3002	22:05	0	3003	7:05	0.001
3002	22:10	0	3003	7:10	0.001
3002	22:15	0	3003	7:15	0.001
3002	22:20	0	3003	7:20	0.001
3002	22:25	0	3003	7:25	0.001
3002	22:30	0	3003	7:30	0.001
3002	22:35	0	3003	7:35	0.001
3002	22:40	0	3003	7:40	0.001
3002	22:45	0	3003	7:45	0.001
3002	22:50	0	3003	7:50	0.001
3002	22:55	0	3003	7:55	0.001
3002	23:00	0	3003	8:00	0.001
3002	23:05	0	3003	8:05	0.001
3002	23:10	0	3003	8:10	0.001
3002	23:15	0	3003	8:15	0.001
3002	23:20	0	3003	8:20	0.001
3002	23:25	0	3003	8:25	0.001
3002	23:30	0	3003	8:30	0.001
3002	23:35	0	3003	8:35	0.001
3002	23:40	0	3003	8:40	0.001
3002	23:45	0	3003	8:45	0.001
3002	23:50	0	3003	8:50	0.001
3002	23:55	0	3003	8:55	0.001
			3003	9:00	0.001
3003	0:00	0	3003	9:05	0.001

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3003	9:10	0.001	3003	18:15	0
3003	9:15	0.001	3003	18:20	0
3003	9:20	0.001	3003	18:25	0
3003	9:25	0.001	3003	18:30	0
3003	9:30	0.001	3003	18:35	0
3003	9:35	0.001	3003	18:40	0
3003	9:40	0.001	3003	18:45	0
3003	9:45	0	3003	18:50	0
3003	9:50	0	3003	18:55	0
3003	9:55	0	3003	19:00	0
3003	10:00	0	3003	19:05	0
3003	10:05	0	3003	19:10	0
3003	10:10	0	3003	19:15	0
3003	10:15	0	3003	19:20	0
3003	10:20	0	3003	19:25	0
3003	10:25	0	3003	19:30	0
3003	10:30	0	3003	19:35	0
3003	10:35	0	3003	19:40	0
3003	10:40	0	3003	19:45	0
3003	10:45	0	3003	19:50	0
3003	10:50	0	3003	19:55	0
3003	10:55	0	3003	20:00	0
3003	11:00	0	3003	20:05	0
3003	11:05	0	3003	20:10	0
3003	11:10	0	3003	20:15	0
3003	11:15	0	3003	20:20	0
3003	11:20	0	3003	20:25	0
3003	11:25	0	3003	20:30	0
3003	11:30	0	3003	20:35	0
3003	11:35	0	3003	20:40	0
3003	11:40	0	3003	20:45	0
3003	11:45	0	3003	20:50	0
3003	11:50	0	3003	20:55	0
3003	11:55	0	3003	21:00	0
3003	12:00	0	3003	21:05	0
3003	12:05	0	3003	21:10	0
3003	12:10	0	3003	21:15	0
3003	12:15	0	3003	21:20	0
3003	12:20	0	3003	21:25	0
3003	12:25	0	3003	21:30	0
3003	12:30	0	3003	21:35	0
3003	12:35	0	3003	21:40	0
3003	12:40	0	3003	21:45	0
3003	12:45	0	3003	21:50	0
3003	12:50	0	3003	21:55	0
3003	12:55	0	3003	22:00	0
3003	13:00	0	3003	22:05	0
3003	13:05	0	3003	22:10	0
3003	13:10	0	3003	22:15	0
3003	13:15	0	3003	22:20	0
3003	13:20	0	3003	22:25	0
3003	13:25	0	3003	22:30	0
3003	13:30	0	3003	22:35	0
3003	13:35	0	3003	22:40	0
3003	13:40	0	3003	22:45	0
3003	13:45	0	3003	22:50	0
3003	13:50	0	3003	22:55	0
3003	13:55	0	3003	23:00	0
3003	14:00	0	3003	23:05	0
3003	14:05	0	3003	23:10	0
3003	14:10	0	3003	23:15	0
3003	14:15	0	3003	23:20	0
3003	14:20	0	3003	23:25	0
3003	14:25	0	3003	23:30	0
3003	14:30	0	3003	23:35	0
3003	14:35	0	3003	23:40	0
3003	14:40	0	3003	23:45	0
3003	14:45	0	3003	23:50	0
3003	14:50	0	3003	23:55	0
3003	14:55	0			
3003	15:00	0	3004	0:00	0
3003	15:05	0	3004	0:05	0
3003	15:10	0	3004	0:10	0
3003	15:15	0	3004	0:15	0
3003	15:20	0	3004	0:20	0
3003	15:25	0	3004	0:25	0
3003	15:30	0	3004	0:30	0.001
3003	15:35	0	3004	0:35	0.002
3003	15:40	0	3004	0:40	0.002
3003	15:45	0	3004	0:45	0.005
3003	15:50	0	3004	0:50	0.011
3003	15:55	0	3004	0:55	0.027
3003	16:00	0	3004	1:00	0.042
3003	16:05	0	3004	1:05	0.042
3003	16:10	0	3004	1:10	0.042
3003	16:15	0	3004	1:15	0.042
3003	16:20	0	3004	1:20	0.042
3003	16:25	0	3004	1:25	0.042
3003	16:30	0	3004	1:30	0.042
3003	16:35	0	3004	1:35	0.042
3003	16:40	0	3004	1:40	0.038
3003	16:45	0	3004	1:45	0.03
3003	16:50	0	3004	1:50	0.024
3003	16:55	0	3004	1:55	0.019
3003	17:00	0	3004	2:00	0.016
3003	17:05	0	3004	2:05	0.014
3003	17:10	0	3004	2:10	0.012
3003	17:15	0	3004	2:15	0.01
3003	17:20	0	3004	2:20	0.009
3003	17:25	0	3004	2:25	0.008
3003	17:30	0	3004	2:30	0.007
3003	17:35	0	3004	2:35	0.006
3003	17:40	0	3004	2:40	0.006
3003	17:45	0	3004	2:45	0.005
3003	17:50	0	3004	2:50	0.005
3003	17:55	0	3004	2:55	0.005
3003	18:00	0	3004	3:00	0.005
3003	18:05	0	3004	3:05	0.005
3003	18:10	0	3004	3:10	0.005

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Design Storm: 100 Year 3-hour Chicago Storm

3004	3:15	0.004	3004	12:20	0
3004	3:20	0.004	3004	12:25	0
3004	3:25	0.004	3004	12:30	0
3004	3:30	0.003	3004	12:35	0
3004	3:35	0.003	3004	12:40	0
3004	3:40	0.003	3004	12:45	0
3004	3:45	0.003	3004	12:50	0
3004	3:50	0.003	3004	12:55	0
3004	3:55	0.002	3004	13:00	0
3004	4:00	0.002	3004	13:05	0
3004	4:05	0.002	3004	13:10	0
3004	4:10	0.002	3004	13:15	0
3004	4:15	0.002	3004	13:20	0
3004	4:20	0.002	3004	13:25	0
3004	4:25	0.002	3004	13:30	0
3004	4:30	0.002	3004	13:35	0
3004	4:35	0.002	3004	13:40	0
3004	4:40	0.002	3004	13:45	0
3004	4:45	0.002	3004	13:50	0
3004	4:50	0.002	3004	13:55	0
3004	4:55	0.002	3004	14:00	0
3004	5:00	0.002	3004	14:05	0
3004	5:05	0.001	3004	14:10	0
3004	5:10	0.001	3004	14:15	0
3004	5:15	0.001	3004	14:20	0
3004	5:20	0.001	3004	14:25	0
3004	5:25	0.001	3004	14:30	0
3004	5:30	0.001	3004	14:35	0
3004	5:35	0.001	3004	14:40	0
3004	5:40	0.001	3004	14:45	0
3004	5:45	0.001	3004	14:50	0
3004	5:50	0.001	3004	14:55	0
3004	5:55	0.001	3004	15:00	0
3004	6:00	0.001	3004	15:05	0
3004	6:05	0.001	3004	15:10	0
3004	6:10	0.001	3004	15:15	0
3004	6:15	0.001	3004	15:20	0
3004	6:20	0.001	3004	15:25	0
3004	6:25	0.001	3004	15:30	0
3004	6:30	0.001	3004	15:35	0
3004	6:35	0.001	3004	15:40	0
3004	6:40	0.001	3004	15:45	0
3004	6:45	0.001	3004	15:50	0
3004	6:50	0.001	3004	15:55	0
3004	6:55	0.001	3004	16:00	0
3004	7:00	0.001	3004	16:05	0
3004	7:05	0.001	3004	16:10	0
3004	7:10	0.001	3004	16:15	0
3004	7:15	0.001	3004	16:20	0
3004	7:20	0.001	3004	16:25	0
3004	7:25	0.001	3004	16:30	0
3004	7:30	0.001	3004	16:35	0
3004	7:35	0.001	3004	16:40	0
3004	7:40	0.001	3004	16:45	0
3004	7:45	0.001	3004	16:50	0
3004	7:50	0.001	3004	16:55	0
3004	7:55	0.001	3004	17:00	0
3004	8:00	0.001	3004	17:05	0
3004	8:05	0.001	3004	17:10	0
3004	8:10	0.001	3004	17:15	0
3004	8:15	0.001	3004	17:20	0
3004	8:20	0.001	3004	17:25	0
3004	8:25	0.001	3004	17:30	0
3004	8:30	0.001	3004	17:35	0
3004	8:35	0.001	3004	17:40	0
3004	8:40	0.001	3004	17:45	0
3004	8:45	0.001	3004	17:50	0
3004	8:50	0.001	3004	17:55	0
3004	8:55	0.001	3004	18:00	0
3004	9:00	0.001	3004	18:05	0
3004	9:05	0.001	3004	18:10	0
3004	9:10	0.001	3004	18:15	0
3004	9:15	0.001	3004	18:20	0
3004	9:20	0.001	3004	18:25	0
3004	9:25	0.001	3004	18:30	0
3004	9:30	0.001	3004	18:35	0
3004	9:35	0.001	3004	18:40	0
3004	9:40	0.001	3004	18:45	0
3004	9:45	0.001	3004	18:50	0
3004	9:50	0.001	3004	18:55	0
3004	9:55	0.001	3004	19:00	0
3004	10:00	0.001	3004	19:05	0
3004	10:05	0.001	3004	19:10	0
3004	10:10	0.001	3004	19:15	0
3004	10:15	0.001	3004	19:20	0
3004	10:20	0.001	3004	19:25	0
3004	10:25	0.001	3004	19:30	0
3004	10:30	0.001	3004	19:35	0
3004	10:35	0.001	3004	19:40	0
3004	10:40	0.001	3004	19:45	0
3004	10:45	0.001	3004	19:50	0
3004	10:50	0.001	3004	19:55	0
3004	10:55	0.001	3004	20:00	0
3004	11:00	0.001	3004	20:05	0
3004	11:05	0.001	3004	20:10	0
3004	11:10	0	3004	20:15	0
3004	11:15	0	3004	20:20	0
3004	11:20	0	3004	20:25	0
3004	11:25	0	3004	20:30	0
3004	11:30	0	3004	20:35	0
3004	11:35	0	3004	20:40	0
3004	11:40	0	3004	20:45	0
3004	11:45	0	3004	20:50	0
3004	11:50	0	3004	20:55	0
3004	11:55	0	3004	21:00	0
3004	12:00	0	3004	21:05	0
3004	12:05	0	3004	21:10	0
3004	12:10	0	3004	21:15	0
3004	12:15	0	3004	21:20	0

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Design Storm: 100 Year 3-hour Chicago Storm

3004	21:25	0	3005	6:25	0.001
3004	21:30	0	3005	6:30	0.001
3004	21:35	0	3005	6:35	0.001
3004	21:40	0	3005	6:40	0.001
3004	21:45	0	3005	6:45	0.001
3004	21:50	0	3005	6:50	0.001
3004	21:55	0	3005	6:55	0.001
3004	22:00	0	3005	7:00	0.001
3004	22:05	0	3005	7:05	0.001
3004	22:10	0	3005	7:10	0.001
3004	22:15	0	3005	7:15	0.001
3004	22:20	0	3005	7:20	0.001
3004	22:25	0	3005	7:25	0.001
3004	22:30	0	3005	7:30	0.001
3004	22:35	0	3005	7:35	0.001
3004	22:40	0	3005	7:40	0.001
3004	22:45	0	3005	7:45	0.001
3004	22:50	0	3005	7:50	0.001
3004	22:55	0	3005	7:55	0.001
3004	23:00	0	3005	8:00	0.001
3004	23:05	0	3005	8:05	0.001
3004	23:10	0	3005	8:10	0.001
3004	23:15	0	3005	8:15	0.001
3004	23:20	0	3005	8:20	0.001
3004	23:25	0	3005	8:25	0.001
3004	23:30	0	3005	8:30	0.001
3004	23:35	0	3005	8:35	0.001
3004	23:40	0	3005	8:40	0.001
3004	23:45	0	3005	8:45	0.001
3004	23:50	0	3005	8:50	0.001
3004	23:55	0	3005	8:55	0.001
			3005	9:00	0.001
3005	0:00	0	3005	9:05	0.001
3005	0:05	0	3005	9:10	0.001
3005	0:10	0	3005	9:15	0.001
3005	0:15	0	3005	9:20	0.001
3005	0:20	0	3005	9:25	0.001
3005	0:25	0	3005	9:30	0.001
3005	0:30	0	3005	9:35	0.001
3005	0:35	0	3005	9:40	0.001
3005	0:40	0.001	3005	9:45	0.001
3005	0:45	0.002	3005	9:50	0.001
3005	0:50	0.005	3005	9:55	0.001
3005	0:55	0.021	3005	10:00	0.001
3005	1:00	0.021	3005	10:05	0.001
3005	1:05	0.021	3005	10:10	0.001
3005	1:10	0.021	3005	10:15	0.001
3005	1:15	0.021	3005	10:20	0.001
3005	1:20	0.021	3005	10:25	0.001
3005	1:25	0.02	3005	10:30	0.001
3005	1:30	0.018	3005	10:35	0.001
3005	1:35	0.017	3005	10:40	0.001
3005	1:40	0.015	3005	10:45	0.001
3005	1:45	0.014	3005	10:50	0.001
3005	1:50	0.013	3005	10:55	0.001
3005	1:55	0.011	3005	11:00	0.001
3005	2:00	0.01	3005	11:05	0.001
3005	2:05	0.01	3005	11:10	0.001
3005	2:10	0.009	3005	11:15	0.001
3005	2:15	0.008	3005	11:20	0.001
3005	2:20	0.007	3005	11:25	0.001
3005	2:25	0.007	3005	11:30	0.001
3005	2:30	0.006	3005	11:35	0.001
3005	2:35	0.006	3005	11:40	0.001
3005	2:40	0.006	3005	11:45	0.001
3005	2:45	0.005	3005	11:50	0.001
3005	2:50	0.005	3005	11:55	0.001
3005	2:55	0.005	3005	12:00	0.001
3005	3:00	0.004	3005	12:05	0.001
3005	3:05	0.004	3005	12:10	0.001
3005	3:10	0.004	3005	12:15	0.001
3005	3:15	0.004	3005	12:20	0.001
3005	3:20	0.004	3005	12:25	0.001
3005	3:25	0.004	3005	12:30	0.001
3005	3:30	0.003	3005	12:35	0.001
3005	3:35	0.003	3005	12:40	0.001
3005	3:40	0.003	3005	12:45	0.001
3005	3:45	0.003	3005	12:50	0.001
3005	3:50	0.003	3005	12:55	0.001
3005	3:55	0.003	3005	13:00	0.001
3005	4:00	0.003	3005	13:05	0.001
3005	4:05	0.003	3005	13:10	0.001
3005	4:10	0.003	3005	13:15	0.001
3005	4:15	0.003	3005	13:20	0.001
3005	4:20	0.002	3005	13:25	0.001
3005	4:25	0.002	3005	13:30	0.001
3005	4:30	0.002	3005	13:35	0.001
3005	4:35	0.002	3005	13:40	0.001
3005	4:40	0.002	3005	13:45	0.001
3005	4:45	0.002	3005	13:50	0.001
3005	4:50	0.002	3005	13:55	0.001
3005	4:55	0.002	3005	14:00	0.001
3005	5:00	0.002	3005	14:05	0.001
3005	5:05	0.002	3005	14:10	0.001
3005	5:10	0.002	3005	14:15	0.001
3005	5:15	0.002	3005	14:20	0.001
3005	5:20	0.002	3005	14:25	0.001
3005	5:25	0.002	3005	14:30	0.001
3005	5:30	0.002	3005	14:35	0.001
3005	5:35	0.002	3005	14:40	0.001
3005	5:40	0.002	3005	14:45	0.001
3005	5:45	0.002	3005	14:50	0.001
3005	5:50	0.002	3005	14:55	0.001
3005	5:55	0.002	3005	15:00	0.001
3005	6:00	0.002	3005	15:05	0.001
3005	6:05	0.002	3005	15:10	0.001
3005	6:10	0.002	3005	15:15	0.001
3005	6:15	0.002	3005	15:20	0.001
3005	6:20	0.001	3005	15:25	0.001

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3005	15:30	0.001	3006	0:30	0.001
3005	15:35	0.001	3006	0:35	0.003
3005	15:40	0.001	3006	0:40	0.004
3005	15:45	0.001	3006	0:45	0.009
3005	15:50	0.001	3006	0:50	0.015
3005	15:55	0.001	3006	0:55	0.045
3005	16:00	0.001	3006	1:00	0.064
3005	16:05	0.001	3006	1:05	0.064
3005	16:10	0.001	3006	1:10	0.064
3005	16:15	0.001	3006	1:15	0.064
3005	16:20	0.001	3006	1:20	0.064
3005	16:25	0.001	3006	1:25	0.064
3005	16:30	0.001	3006	1:30	0.064
3005	16:35	0	3006	1:35	0.063
3005	16:40	0	3006	1:40	0.061
3005	16:45	0	3006	1:45	0.053
3005	16:50	0	3006	1:50	0.046
3005	16:55	0	3006	1:55	0.04
3005	17:00	0	3006	2:00	0.035
3005	17:05	0	3006	2:05	0.031
3005	17:10	0	3006	2:10	0.027
3005	17:15	0	3006	2:15	0.024
3005	17:20	0	3006	2:20	0.022
3005	17:25	0	3006	2:25	0.019
3005	17:30	0	3006	2:30	0.017
3005	17:35	0	3006	2:35	0.015
3005	17:40	0	3006	2:40	0.014
3005	17:45	0	3006	2:45	0.013
3005	17:50	0	3006	2:50	0.012
3005	17:55	0	3006	2:55	0.011
3005	18:00	0	3006	3:00	0.01
3005	18:05	0	3006	3:05	0.01
3005	18:10	0	3006	3:10	0.009
3005	18:15	0	3006	3:15	0.008
3005	18:20	0	3006	3:20	0.008
3005	18:25	0	3006	3:25	0.007
3005	18:30	0	3006	3:30	0.006
3005	18:35	0	3006	3:35	0.006
3005	18:40	0	3006	3:40	0.005
3005	18:45	0	3006	3:45	0.005
3005	18:50	0	3006	3:50	0.004
3005	18:55	0	3006	3:55	0.004
3005	19:00	0	3006	4:00	0.004
3005	19:05	0	3006	4:05	0.003
3005	19:10	0	3006	4:10	0.003
3005	19:15	0	3006	4:15	0.003
3005	19:20	0	3006	4:20	0.003
3005	19:25	0	3006	4:25	0.003
3005	19:30	0	3006	4:30	0.003
3005	19:35	0	3006	4:35	0.002
3005	19:40	0	3006	4:40	0.002
3005	19:45	0	3006	4:45	0.002
3005	19:50	0	3006	4:50	0.002
3005	19:55	0	3006	4:55	0.002
3005	20:00	0	3006	5:00	0.002
3005	20:05	0	3006	5:05	0.002
3005	20:10	0	3006	5:10	0.002
3005	20:15	0	3006	5:15	0.002
3005	20:20	0	3006	5:20	0.002
3005	20:25	0	3006	5:25	0.002
3005	20:30	0	3006	5:30	0.002
3005	20:35	0	3006	5:35	0.002
3005	20:40	0	3006	5:40	0.001
3005	20:45	0	3006	5:45	0.001
3005	20:50	0	3006	5:50	0.001
3005	20:55	0	3006	5:55	0.001
3005	21:00	0	3006	6:00	0.001
3005	21:05	0	3006	6:05	0.001
3005	21:10	0	3006	6:10	0.001
3005	21:15	0	3006	6:15	0.001
3005	21:20	0	3006	6:20	0.001
3005	21:25	0	3006	6:25	0.001
3005	21:30	0	3006	6:30	0.001
3005	21:35	0	3006	6:35	0.001
3005	21:40	0	3006	6:40	0.001
3005	21:45	0	3006	6:45	0.001
3005	21:50	0	3006	6:50	0.001
3005	21:55	0	3006	6:55	0.001
3005	22:00	0	3006	7:00	0.001
3005	22:05	0	3006	7:05	0.001
3005	22:10	0	3006	7:10	0.001
3005	22:15	0	3006	7:15	0.001
3005	22:20	0	3006	7:20	0.001
3005	22:25	0	3006	7:25	0.001
3005	22:30	0	3006	7:30	0.001
3005	22:35	0	3006	7:35	0.001
3005	22:40	0	3006	7:40	0.001
3005	22:45	0	3006	7:45	0.001
3005	22:50	0	3006	7:50	0.001
3005	22:55	0	3006	7:55	0.001
3005	23:00	0	3006	8:00	0.001
3005	23:05	0	3006	8:05	0.001
3005	23:10	0	3006	8:10	0.001
3005	23:15	0	3006	8:15	0.001
3005	23:20	0	3006	8:20	0.001
3005	23:25	0	3006	8:25	0.001
3005	23:30	0	3006	8:30	0.001
3005	23:35	0	3006	8:35	0.001
3005	23:40	0	3006	8:40	0.001
3005	23:45	0	3006	8:45	0.001
3005	23:50	0	3006	8:50	0.001
3005	23:55	0	3006	8:55	0.001
			3006	9:00	0.001
3006	0:00	0	3006	9:05	0.001
3006	0:05	0	3006	9:10	0.001
3006	0:10	0	3006	9:15	0.001
3006	0:15	0	3006	9:20	0.001
3006	0:20	0	3006	9:25	0.001
3006	0:25	0	3006	9:30	0.001

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3006	9:35	0.001	3006	18:40	0
3006	9:40	0.001	3006	18:45	0
3006	9:45	0.001	3006	18:50	0
3006	9:50	0.001	3006	18:55	0
3006	9:55	0.001	3006	19:00	0
3006	10:00	0.001	3006	19:05	0
3006	10:05	0.001	3006	19:10	0
3006	10:10	0.001	3006	19:15	0
3006	10:15	0.001	3006	19:20	0
3006	10:20	0.001	3006	19:25	0
3006	10:25	0.001	3006	19:30	0
3006	10:30	0.001	3006	19:35	0
3006	10:35	0.001	3006	19:40	0
3006	10:40	0.001	3006	19:45	0
3006	10:45	0.001	3006	19:50	0
3006	10:50	0.001	3006	19:55	0
3006	10:55	0.001	3006	20:00	0
3006	11:00	0.001	3006	20:05	0
3006	11:05	0.001	3006	20:10	0
3006	11:10	0.001	3006	20:15	0
3006	11:15	0.001	3006	20:20	0
3006	11:20	0.001	3006	20:25	0
3006	11:25	0.001	3006	20:30	0
3006	11:30	0.001	3006	20:35	0
3006	11:35	0.001	3006	20:40	0
3006	11:40	0.001	3006	20:45	0
3006	11:45	0.001	3006	20:50	0
3006	11:50	0.001	3006	20:55	0
3006	11:55	0.001	3006	21:00	0
3006	12:00	0.001	3006	21:05	0
3006	12:05	0	3006	21:10	0
3006	12:10	0	3006	21:15	0
3006	12:15	0	3006	21:20	0
3006	12:20	0	3006	21:25	0
3006	12:25	0	3006	21:30	0
3006	12:30	0	3006	21:35	0
3006	12:35	0	3006	21:40	0
3006	12:40	0	3006	21:45	0
3006	12:45	0	3006	21:50	0
3006	12:50	0	3006	21:55	0
3006	12:55	0	3006	22:00	0
3006	13:00	0	3006	22:05	0
3006	13:05	0	3006	22:10	0
3006	13:10	0	3006	22:15	0
3006	13:15	0	3006	22:20	0
3006	13:20	0	3006	22:25	0
3006	13:25	0	3006	22:30	0
3006	13:30	0	3006	22:35	0
3006	13:35	0	3006	22:40	0
3006	13:40	0	3006	22:45	0
3006	13:45	0	3006	22:50	0
3006	13:50	0	3006	22:55	0
3006	13:55	0	3006	23:00	0
3006	14:00	0	3006	23:05	0
3006	14:05	0	3006	23:10	0
3006	14:10	0	3006	23:15	0
3006	14:15	0	3006	23:20	0
3006	14:20	0	3006	23:25	0
3006	14:25	0	3006	23:30	0
3006	14:30	0	3006	23:35	0
3006	14:35	0	3006	23:40	0
3006	14:40	0	3006	23:45	0
3006	14:45	0	3006	23:50	0
3006	14:50	0	3006	23:55	0
3006	14:55	0			
3006	15:00	0	3008	0:00	0
3006	15:05	0	3008	0:05	0
3006	15:10	0	3008	0:10	0
3006	15:15	0	3008	0:15	0
3006	15:20	0	3008	0:20	0
3006	15:25	0	3008	0:25	0
3006	15:30	0	3008	0:30	0.001
3006	15:35	0	3008	0:35	0.001
3006	15:40	0	3008	0:40	0.001
3006	15:45	0	3008	0:45	0.003
3006	15:50	0	3008	0:50	0
3006	15:55	0	3008	0:55	0.014
3006	16:00	0	3008	1:00	0.021
3006	16:05	0	3008	1:05	0.021
3006	16:10	0	3008	1:10	0.021
3006	16:15	0	3008	1:15	0.021
3006	16:20	0	3008	1:20	0.021
3006	16:25	0	3008	1:25	0.021
3006	16:30	0	3008	1:30	0.019
3006	16:35	0	3008	1:35	0.016
3006	16:40	0	3008	1:40	0.014
3006	16:45	0	3008	1:45	0.012
3006	16:50	0	3008	1:50	0.01
3006	16:55	0	3008	1:55	0.009
3006	17:00	0	3008	2:00	0.007
3006	17:05	0	3008	2:05	0.006
3006	17:10	0	3008	2:10	0.006
3006	17:15	0	3008	2:15	0.005
3006	17:20	0	3008	2:20	0.004
3006	17:25	0	3008	2:25	0.004
3006	17:30	0	3008	2:30	0.003
3006	17:35	0	3008	2:35	0.003
3006	17:40	0	3008	2:40	0.003
3006	17:45	0	3008	2:45	0.003
3006	17:50	0	3008	2:50	0.002
3006	17:55	0	3008	2:55	0.002
3006	18:00	0	3008	3:00	0.003
3006	18:05	0	3008	3:05	0.003
3006	18:10	0	3008	3:10	0.002
3006	18:15	0	3008	3:15	0.002
3006	18:20	0	3008	3:20	0.002
3006	18:25	0	3008	3:25	0.002
3006	18:30	0	3008	3:30	0.002
3006	18:35	0	3008	3:35	0.002

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data – 2011 Subdivision

Design Storm: 100 Year 3-hour Chicago Storm

3008	3:40	0.001	3008	12:45	0
3008	3:45	0.001	3008	12:50	0
3008	3:50	0.001	3008	12:55	0
3008	3:55	0.001	3008	13:00	0
3008	4:00	0.001	3008	13:05	0
3008	4:05	0.001	3008	13:10	0
3008	4:10	0.001	3008	13:15	0
3008	4:15	0.001	3008	13:20	0
3008	4:20	0.001	3008	13:25	0
3008	4:25	0.001	3008	13:30	0
3008	4:30	0.001	3008	13:35	0
3008	4:35	0.001	3008	13:40	0
3008	4:40	0.001	3008	13:45	0
3008	4:45	0.001	3008	13:50	0
3008	4:50	0.001	3008	13:55	0
3008	4:55	0.001	3008	14:00	0
3008	5:00	0.001	3008	14:05	0
3008	5:05	0.001	3008	14:10	0
3008	5:10	0.001	3008	14:15	0
3008	5:15	0.001	3008	14:20	0
3008	5:20	0.001	3008	14:25	0
3008	5:25	0.001	3008	14:30	0
3008	5:30	0.001	3008	14:35	0
3008	5:35	0.001	3008	14:40	0
3008	5:40	0.001	3008	14:45	0
3008	5:45	0.001	3008	14:50	0
3008	5:50	0.001	3008	14:55	0
3008	5:55	0.001	3008	15:00	0
3008	6:00	0.001	3008	15:05	0
3008	6:05	0.001	3008	15:10	0
3008	6:10	0.001	3008	15:15	0
3008	6:15	0.001	3008	15:20	0
3008	6:20	0.001	3008	15:25	0
3008	6:25	0.001	3008	15:30	0
3008	6:30	0.001	3008	15:35	0
3008	6:35	0.001	3008	15:40	0
3008	6:40	0.001	3008	15:45	0
3008	6:45	0.001	3008	15:50	0
3008	6:50	0.001	3008	15:55	0
3008	6:55	0.001	3008	16:00	0
3008	7:00	0	3008	16:05	0
3008	7:05	0	3008	16:10	0
3008	7:10	0	3008	16:15	0
3008	7:15	0	3008	16:20	0
3008	7:20	0	3008	16:25	0
3008	7:25	0	3008	16:30	0
3008	7:30	0	3008	16:35	0
3008	7:35	0	3008	16:40	0
3008	7:40	0	3008	16:45	0
3008	7:45	0	3008	16:50	0
3008	7:50	0	3008	16:55	0
3008	7:55	0	3008	17:00	0
3008	8:00	0	3008	17:05	0
3008	8:05	0	3008	17:10	0
3008	8:10	0	3008	17:15	0
3008	8:15	0	3008	17:20	0
3008	8:20	0	3008	17:25	0
3008	8:25	0	3008	17:30	0
3008	8:30	0	3008	17:35	0
3008	8:35	0	3008	17:40	0
3008	8:40	0	3008	17:45	0
3008	8:45	0	3008	17:50	0
3008	8:50	0	3008	17:55	0
3008	8:55	0	3008	18:00	0
3008	9:00	0	3008	18:05	0
3008	9:05	0	3008	18:10	0
3008	9:10	0	3008	18:15	0
3008	9:15	0	3008	18:20	0
3008	9:20	0	3008	18:25	0
3008	9:25	0	3008	18:30	0
3008	9:30	0	3008	18:35	0
3008	9:35	0	3008	18:40	0
3008	9:40	0	3008	18:45	0
3008	9:45	0	3008	18:50	0
3008	9:50	0	3008	18:55	0
3008	9:55	0	3008	19:00	0
3008	10:00	0	3008	19:05	0
3008	10:05	0	3008	19:10	0
3008	10:10	0	3008	19:15	0
3008	10:15	0	3008	19:20	0
3008	10:20	0	3008	19:25	0
3008	10:25	0	3008	19:30	0
3008	10:30	0	3008	19:35	0
3008	10:35	0	3008	19:40	0
3008	10:40	0	3008	19:45	0
3008	10:45	0	3008	19:50	0
3008	10:50	0	3008	19:55	0
3008	10:55	0	3008	20:00	0
3008	11:00	0	3008	20:05	0
3008	11:05	0	3008	20:10	0
3008	11:10	0	3008	20:15	0
3008	11:15	0	3008	20:20	0
3008	11:20	0	3008	20:25	0
3008	11:25	0	3008	20:30	0
3008	11:30	0	3008	20:35	0
3008	11:35	0	3008	20:40	0
3008	11:40	0	3008	20:45	0
3008	11:45	0	3008	20:50	0
3008	11:50	0	3008	20:55	0
3008	11:55	0	3008	21:00	0
3008	12:00	0	3008	21:05	0
3008	12:05	0	3008	21:10	0
3008	12:10	0	3008	21:15	0
3008	12:15	0	3008	21:20	0
3008	12:20	0	3008	21:25	0
3008	12:25	0	3008	21:30	0
3008	12:30	0	3008	21:35	0
3008	12:35	0	3008	21:40	0
3008	12:40	0	3008	21:45	0

Design Storm: 100 Year 3-hour Chicago Storm

3008	21:50	0	3009	6:50	0.001
3008	21:55	0	3009	6:55	0.001
3008	22:00	0	3009	7:00	0.001
3008	22:05	0	3009	7:05	0.001
3008	22:10	0	3009	7:10	0.001
3008	22:15	0	3009	7:15	0.001
3008	22:20	0	3009	7:20	0.001
3008	22:25	0	3009	7:25	0.001
3008	22:30	0	3009	7:30	0.001
3008	22:35	0	3009	7:35	0.001
3008	22:40	0	3009	7:40	0.001
3008	22:45	0	3009	7:45	0.001
3008	22:50	0	3009	7:50	0.001
3008	22:55	0	3009	7:55	0.001
3008	23:00	0	3009	8:00	0.001
3008	23:05	0	3009	8:05	0.001
3008	23:10	0	3009	8:10	0.001
3008	23:15	0	3009	8:15	0.001
3008	23:20	0	3009	8:20	0.001
3008	23:25	0	3009	8:25	0.001
3008	23:30	0	3009	8:30	0.001
3008	23:35	0	3009	8:35	0.001
3008	23:40	0	3009	8:40	0.001
3008	23:45	0	3009	8:45	0.001
3008	23:50	0	3009	8:50	0.001
3008	23:55	0	3009	8:55	0.001
			3009	9:00	0.001
3009	0:00	0	3009	9:05	0.001
3009	0:05	0	3009	9:10	0.001
3009	0:10	0	3009	9:15	0.001
3009	0:15	0	3009	9:20	0.001
3009	0:20	0	3009	9:25	0.001
3009	0:25	0	3009	9:30	0.001
3009	0:30	0.002	3009	9:35	0.001
3009	0:35	0.004	3009	9:40	0.001
3009	0:40	0.005	3009	9:45	0.001
3009	0:45	0.011	3009	9:50	0.001
3009	0:50	0.018	3009	9:55	0.001
3009	0:55	0.052	3009	10:00	0.001
3009	1:00	0.064	3009	10:05	0.001
3009	1:05	0.064	3009	10:10	0.001
3009	1:10	0.064	3009	10:15	0.001
3009	1:15	0.064	3009	10:20	0.001
3009	1:20	0.063	3009	10:25	0.001
3009	1:25	0.062	3009	10:30	0.001
3009	1:30	0.059	3009	10:35	0.001
3009	1:35	0.051	3009	10:40	0.001
3009	1:40	0.045	3009	10:45	0.001
3009	1:45	0.04	3009	10:50	0.001
3009	1:50	0.036	3009	10:55	0.001
3009	1:55	0.033	3009	11:00	0.001
3009	2:00	0.029	3009	11:05	0.001
3009	2:05	0.026	3009	11:10	0.001
3009	2:10	0.024	3009	11:15	0
3009	2:15	0.022	3009	11:20	0
3009	2:20	0.019	3009	11:25	0
3009	2:25	0.018	3009	11:30	0
3009	2:30	0.016	3009	11:35	0
3009	2:35	0.015	3009	11:40	0
3009	2:40	0.014	3009	11:45	0
3009	2:45	0.013	3009	11:50	0
3009	2:50	0.012	3009	11:55	0
3009	2:55	0.011	3009	12:00	0
3009	3:00	0.011	3009	12:05	0
3009	3:05	0.01	3009	12:10	0
3009	3:10	0.009	3009	12:15	0
3009	3:15	0.009	3009	12:20	0
3009	3:20	0.008	3009	12:25	0
3009	3:25	0.007	3009	12:30	0
3009	3:30	0.007	3009	12:35	0
3009	3:35	0.006	3009	12:40	0
3009	3:40	0.005	3009	12:45	0
3009	3:45	0.005	3009	12:50	0
3009	3:50	0.005	3009	12:55	0
3009	3:55	0.004	3009	13:00	0
3009	4:00	0.004	3009	13:05	0
3009	4:05	0.004	3009	13:10	0
3009	4:10	0.003	3009	13:15	0
3009	4:15	0.003	3009	13:20	0
3009	4:20	0.003	3009	13:25	0
3009	4:25	0.003	3009	13:30	0
3009	4:30	0.003	3009	13:35	0
3009	4:35	0.002	3009	13:40	0
3009	4:40	0.002	3009	13:45	0
3009	4:45	0.002	3009	13:50	0
3009	4:50	0.002	3009	13:55	0
3009	4:55	0.002	3009	14:00	0
3009	5:00	0.002	3009	14:05	0
3009	5:05	0.002	3009	14:10	0
3009	5:10	0.002	3009	14:15	0
3009	5:15	0.002	3009	14:20	0
3009	5:20	0.002	3009	14:25	0
3009	5:25	0.002	3009	14:30	0
3009	5:30	0.002	3009	14:35	0
3009	5:35	0.001	3009	14:40	0
3009	5:40	0.001	3009	14:45	0
3009	5:45	0.001	3009	14:50	0
3009	5:50	0.001	3009	14:55	0
3009	5:55	0.001	3009	15:00	0
3009	6:00	0.001	3009	15:05	0
3009	6:05	0.001	3009	15:10	0
3009	6:10	0.001	3009	15:15	0
3009	6:15	0.001	3009	15:20	0
3009	6:20	0.001	3009	15:25	0
3009	6:25	0.001	3009	15:30	0
3009	6:30	0.001	3009	15:35	0
3009	6:35	0.001	3009	15:40	0
3009	6:40	0.001	3009	15:45	0
3009	6:45	0.001	3009	15:50	0

Design Storm: 100 Year 3-hour Chicago Storm

3009	15:55	0	3010	0:55	0.042
3009	16:00	0	3010	1:00	0.042
3009	16:05	0	3010	1:05	0.042
3009	16:10	0	3010	1:10	0.042
3009	16:15	0	3010	1:15	0.042
3009	16:20	0	3010	1:20	0.039
3009	16:25	0	3010	1:25	0.032
3009	16:30	0	3010	1:30	0.025
3009	16:35	0	3010	1:35	0.02
3009	16:40	0	3010	1:40	0.016
3009	16:45	0	3010	1:45	0.014
3009	16:50	0	3010	1:50	0.012
3009	16:55	0	3010	1:55	0.01
3009	17:00	0	3010	2:00	0.009
3009	17:05	0	3010	2:05	0.008
3009	17:10	0	3010	2:10	0.007
3009	17:15	0	3010	2:15	0.006
3009	17:20	0	3010	2:20	0.006
3009	17:25	0	3010	2:25	0.006
3009	17:30	0	3010	2:30	0.005
3009	17:35	0	3010	2:35	0.005
3009	17:40	0	3010	2:40	0.005
3009	17:45	0	3010	2:45	0.004
3009	17:50	0	3010	2:50	0.004
3009	17:55	0	3010	2:55	0.004
3009	18:00	0	3010	3:00	0.004
3009	18:05	0	3010	3:05	0.004
3009	18:10	0	3010	3:10	0.004
3009	18:15	0	3010	3:15	0.003
3009	18:20	0	3010	3:20	0.003
3009	18:25	0	3010	3:25	0.002
3009	18:30	0	3010	3:30	0.002
3009	18:35	0	3010	3:35	0.002
3009	18:40	0	3010	3:40	0.002
3009	18:45	0	3010	3:45	0.002
3009	18:50	0	3010	3:50	0.001
3009	18:55	0	3010	3:55	0.001
3009	19:00	0	3010	4:00	0.001
3009	19:05	0	3010	4:05	0.001
3009	19:10	0	3010	4:10	0.001
3009	19:15	0	3010	4:15	0.001
3009	19:20	0	3010	4:20	0.001
3009	19:25	0	3010	4:25	0.001
3009	19:30	0	3010	4:30	0.001
3009	19:35	0	3010	4:35	0.001
3009	19:40	0	3010	4:40	0.001
3009	19:45	0	3010	4:45	0.001
3009	19:50	0	3010	4:50	0.001
3009	19:55	0	3010	4:55	0.001
3009	20:00	0	3010	5:00	0.001
3009	20:05	0	3010	5:05	0.001
3009	20:10	0	3010	5:10	0.001
3009	20:15	0	3010	5:15	0.001
3009	20:20	0	3010	5:20	0.001
3009	20:25	0	3010	5:25	0.001
3009	20:30	0	3010	5:30	0.001
3009	20:35	0	3010	5:35	0.001
3009	20:40	0	3010	5:40	0.001
3009	20:45	0	3010	5:45	0.001
3009	20:50	0	3010	5:50	0.001
3009	20:55	0	3010	5:55	0
3009	21:00	0	3010	6:00	0
3009	21:05	0	3010	6:05	0
3009	21:10	0	3010	6:10	0
3009	21:15	0	3010	6:15	0
3009	21:20	0	3010	6:20	0
3009	21:25	0	3010	6:25	0
3009	21:30	0	3010	6:30	0
3009	21:35	0	3010	6:35	0
3009	21:40	0	3010	6:40	0
3009	21:45	0	3010	6:45	0
3009	21:50	0	3010	6:50	0
3009	21:55	0	3010	6:55	0
3009	22:00	0	3010	7:00	0
3009	22:05	0	3010	7:05	0
3009	22:10	0	3010	7:10	0
3009	22:15	0	3010	7:15	0
3009	22:20	0	3010	7:20	0
3009	22:25	0	3010	7:25	0
3009	22:30	0	3010	7:30	0
3009	22:35	0	3010	7:35	0
3009	22:40	0	3010	7:40	0
3009	22:45	0	3010	7:45	0
3009	22:50	0	3010	7:50	0
3009	22:55	0	3010	7:55	0
3009	23:00	0	3010	8:00	0
3009	23:05	0	3010	8:05	0
3009	23:10	0	3010	8:10	0
3009	23:15	0	3010	8:15	0
3009	23:20	0	3010	8:20	0
3009	23:25	0	3010	8:25	0
3009	23:30	0	3010	8:30	0
3009	23:35	0	3010	8:35	0
3009	23:40	0	3010	8:40	0
3009	23:45	0	3010	8:45	0
3009	23:50	0	3010	8:50	0
3009	23:55	0	3010	8:55	0
			3010	9:00	0
3010	0:00	0	3010	9:05	0
3010	0:05	0	3010	9:10	0
3010	0:10	0	3010	9:15	0
3010	0:15	0	3010	9:20	0
3010	0:20	0	3010	9:25	0
3010	0:25	0.001	3010	9:30	0
3010	0:30	0.002	3010	9:35	0
3010	0:35	0.004	3010	9:40	0
3010	0:40	0.008	3010	9:45	0
3010	0:45	0.013	3010	9:50	0
3010	0:50	0.028	3010	9:55	0

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Design Storm: 100 Year 3-hour Chicago Storm

3010	10:00	0	3010	19:05	0
3010	10:05	0	3010	19:10	0
3010	10:10	0	3010	19:15	0
3010	10:15	0	3010	19:20	0
3010	10:20	0	3010	19:25	0
3010	10:25	0	3010	19:30	0
3010	10:30	0	3010	19:35	0
3010	10:35	0	3010	19:40	0
3010	10:40	0	3010	19:45	0
3010	10:45	0	3010	19:50	0
3010	10:50	0	3010	19:55	0
3010	10:55	0	3010	20:00	0
3010	11:00	0	3010	20:05	0
3010	11:05	0	3010	20:10	0
3010	11:10	0	3010	20:15	0
3010	11:15	0	3010	20:20	0
3010	11:20	0	3010	20:25	0
3010	11:25	0	3010	20:30	0
3010	11:30	0	3010	20:35	0
3010	11:35	0	3010	20:40	0
3010	11:40	0	3010	20:45	0
3010	11:45	0	3010	20:50	0
3010	11:50	0	3010	20:55	0
3010	11:55	0	3010	21:00	0
3010	12:00	0	3010	21:05	0
3010	12:05	0	3010	21:10	0
3010	12:10	0	3010	21:15	0
3010	12:15	0	3010	21:20	0
3010	12:20	0	3010	21:25	0
3010	12:25	0	3010	21:30	0
3010	12:30	0	3010	21:35	0
3010	12:35	0	3010	21:40	0
3010	12:40	0	3010	21:45	0
3010	12:45	0	3010	21:50	0
3010	12:50	0	3010	21:55	0
3010	12:55	0	3010	22:00	0
3010	13:00	0	3010	22:05	0
3010	13:05	0	3010	22:10	0
3010	13:10	0	3010	22:15	0
3010	13:15	0	3010	22:20	0
3010	13:20	0	3010	22:25	0
3010	13:25	0	3010	22:30	0
3010	13:30	0	3010	22:35	0
3010	13:35	0	3010	22:40	0
3010	13:40	0	3010	22:45	0
3010	13:45	0	3010	22:50	0
3010	13:50	0	3010	22:55	0
3010	13:55	0	3010	23:00	0
3010	14:00	0	3010	23:05	0
3010	14:05	0	3010	23:10	0
3010	14:10	0	3010	23:15	0
3010	14:15	0	3010	23:20	0
3010	14:20	0	3010	23:25	0
3010	14:25	0	3010	23:30	0
3010	14:30	0	3010	23:35	0
3010	14:35	0	3010	23:40	0
3010	14:40	0	3010	23:45	0
3010	14:45	0	3010	23:50	0
3010	14:50	0	3010	23:55	0
3010	14:55	0			
3010	15:00	0	3011	0:00	0
3010	15:05	0	3011	0:05	0
3010	15:10	0	3011	0:10	0
3010	15:15	0	3011	0:15	0
3010	15:20	0	3011	0:20	0
3010	15:25	0	3011	0:25	0
3010	15:30	0	3011	0:30	0.001
3010	15:35	0	3011	0:35	0.002
3010	15:40	0	3011	0:40	0.004
3010	15:45	0	3011	0:45	0.007
3010	15:50	0	3011	0:50	0.02
3010	15:55	0	3011	0:55	0.021
3010	16:00	0	3011	1:00	0.021
3010	16:05	0	3011	1:05	0.021
3010	16:10	0	3011	1:10	0.017
3010	16:15	0	3011	1:15	0.012
3010	16:20	0	3011	1:20	0.009
3010	16:25	0	3011	1:25	0.007
3010	16:30	0	3011	1:30	0.006
3010	16:35	0	3011	1:35	0.005
3010	16:40	0	3011	1:40	0.004
3010	16:45	0	3011	1:45	0.004
3010	16:50	0	3011	1:50	0.003
3010	16:55	0	3011	1:55	0.003
3010	17:00	0	3011	2:00	0.003
3010	17:05	0	3011	2:05	0.002
3010	17:10	0	3011	2:10	0.002
3010	17:15	0	3011	2:15	0.002
3010	17:20	0	3011	2:20	0.002
3010	17:25	0	3011	2:25	0.002
3010	17:30	0	3011	2:30	0.002
3010	17:35	0	3011	2:35	0.002
3010	17:40	0	3011	2:40	0.002
3010	17:45	0	3011	2:45	0.002
3010	17:50	0	3011	2:50	0.001
3010	17:55	0	3011	2:55	0.001
3010	18:00	0	3011	3:00	0.001
3010	18:05	0	3011	3:05	0.001
3010	18:10	0	3011	3:10	0.001
3010	18:15	0	3011	3:15	0.001
3010	18:20	0	3011	3:20	0.001
3010	18:25	0	3011	3:25	0.001
3010	18:30	0	3011	3:30	0.001
3010	18:35	0	3011	3:35	0.001
3010	18:40	0	3011	3:40	0.001
3010	18:45	0	3011	3:45	0.001
3010	18:50	0	3011	3:50	0.001
3010	18:55	0	3011	3:55	0.001
3010	19:00	0	3011	4:00	0.001

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Design Storm: 100 Year 3-hour Chicago Storm

3011	4:05	0.001	3011	13:10	0
3011	4:10	0.001	3011	13:15	0
3011	4:15	0.001	3011	13:20	0
3011	4:20	0.001	3011	13:25	0
3011	4:25	0.001	3011	13:30	0
3011	4:30	0	3011	13:35	0
3011	4:35	0	3011	13:40	0
3011	4:40	0	3011	13:45	0
3011	4:45	0	3011	13:50	0
3011	4:50	0	3011	13:55	0
3011	4:55	0	3011	14:00	0
3011	5:00	0	3011	14:05	0
3011	5:05	0	3011	14:10	0
3011	5:10	0	3011	14:15	0
3011	5:15	0	3011	14:20	0
3011	5:20	0	3011	14:25	0
3011	5:25	0	3011	14:30	0
3011	5:30	0	3011	14:35	0
3011	5:35	0	3011	14:40	0
3011	5:40	0	3011	14:45	0
3011	5:45	0	3011	14:50	0
3011	5:50	0	3011	14:55	0
3011	5:55	0	3011	15:00	0
3011	6:00	0	3011	15:05	0
3011	6:05	0	3011	15:10	0
3011	6:10	0	3011	15:15	0
3011	6:15	0	3011	15:20	0
3011	6:20	0	3011	15:25	0
3011	6:25	0	3011	15:30	0
3011	6:30	0	3011	15:35	0
3011	6:35	0	3011	15:40	0
3011	6:40	0	3011	15:45	0
3011	6:45	0	3011	15:50	0
3011	6:50	0	3011	15:55	0
3011	6:55	0	3011	16:00	0
3011	7:00	0	3011	16:05	0
3011	7:05	0	3011	16:10	0
3011	7:10	0	3011	16:15	0
3011	7:15	0	3011	16:20	0
3011	7:20	0	3011	16:25	0
3011	7:25	0	3011	16:30	0
3011	7:30	0	3011	16:35	0
3011	7:35	0	3011	16:40	0
3011	7:40	0	3011	16:45	0
3011	7:45	0	3011	16:50	0
3011	7:50	0	3011	16:55	0
3011	7:55	0	3011	17:00	0
3011	8:00	0	3011	17:05	0
3011	8:05	0	3011	17:10	0
3011	8:10	0	3011	17:15	0
3011	8:15	0	3011	17:20	0
3011	8:20	0	3011	17:25	0
3011	8:25	0	3011	17:30	0
3011	8:30	0	3011	17:35	0
3011	8:35	0	3011	17:40	0
3011	8:40	0	3011	17:45	0
3011	8:45	0	3011	17:50	0
3011	8:50	0	3011	17:55	0
3011	8:55	0	3011	18:00	0
3011	9:00	0	3011	18:05	0
3011	9:05	0	3011	18:10	0
3011	9:10	0	3011	18:15	0
3011	9:15	0	3011	18:20	0
3011	9:20	0	3011	18:25	0
3011	9:25	0	3011	18:30	0
3011	9:30	0	3011	18:35	0
3011	9:35	0	3011	18:40	0
3011	9:40	0	3011	18:45	0
3011	9:45	0	3011	18:50	0
3011	9:50	0	3011	18:55	0
3011	9:55	0	3011	19:00	0
3011	10:00	0	3011	19:05	0
3011	10:05	0	3011	19:10	0
3011	10:10	0	3011	19:15	0
3011	10:15	0	3011	19:20	0
3011	10:20	0	3011	19:25	0
3011	10:25	0	3011	19:30	0
3011	10:30	0	3011	19:35	0
3011	10:35	0	3011	19:40	0
3011	10:40	0	3011	19:45	0
3011	10:45	0	3011	19:50	0
3011	10:50	0	3011	19:55	0
3011	10:55	0	3011	20:00	0
3011	11:00	0	3011	20:05	0
3011	11:05	0	3011	20:10	0
3011	11:10	0	3011	20:15	0
3011	11:15	0	3011	20:20	0
3011	11:20	0	3011	20:25	0
3011	11:25	0	3011	20:30	0
3011	11:30	0	3011	20:35	0
3011	11:35	0	3011	20:40	0
3011	11:40	0	3011	20:45	0
3011	11:45	0	3011	20:50	0
3011	11:50	0	3011	20:55	0
3011	11:55	0	3011	21:00	0
3011	12:00	0	3011	21:05	0
3011	12:05	0	3011	21:10	0
3011	12:10	0	3011	21:15	0
3011	12:15	0	3011	21:20	0
3011	12:20	0	3011	21:25	0
3011	12:25	0	3011	21:30	0
3011	12:30	0	3011	21:35	0
3011	12:35	0	3011	21:40	0
3011	12:40	0	3011	21:45	0
3011	12:45	0	3011	21:50	0
3011	12:50	0	3011	21:55	0
3011	12:55	0	3011	22:00	0
3011	13:00	0	3011	22:05	0
3011	13:05	0	3011	22:10	0

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3011	22:15	0	3012	7:15	0.001
3011	22:20	0	3012	7:20	0.001
3011	22:25	0	3012	7:25	0.001
3011	22:30	0	3012	7:30	0.001
3011	22:35	0	3012	7:35	0.001
3011	22:40	0	3012	7:40	0.001
3011	22:45	0	3012	7:45	0.001
3011	22:50	0	3012	7:50	0.001
3011	22:55	0	3012	7:55	0.001
3011	23:00	0	3012	8:00	0.001
3011	23:05	0	3012	8:05	0.001
3011	23:10	0	3012	8:10	0.001
3011	23:15	0	3012	8:15	0.001
3011	23:20	0	3012	8:20	0.001
3011	23:25	0	3012	8:25	0.001
3011	23:30	0	3012	8:30	0.001
3011	23:35	0	3012	8:35	0.001
3011	23:40	0	3012	8:40	0.001
3011	23:45	0	3012	8:45	0.001
3011	23:50	0	3012	8:50	0.001
3011	23:55	0	3012	8:55	0.001
			3012	9:00	0.001
3012	0:00	0	3012	9:05	0.001
3012	0:05	0	3012	9:10	0.001
3012	0:10	0	3012	9:15	0.001
3012	0:15	0	3012	9:20	0.001
3012	0:20	0	3012	9:25	0.001
3012	0:25	0.001	3012	9:30	0.001
3012	0:30	0.002	3012	9:35	0.001
3012	0:35	0.004	3012	9:40	0.001
3012	0:40	0.006	3012	9:45	0.001
3012	0:45	0.012	3012	9:50	0.001
3012	0:50	0.031	3012	9:55	0.001
3012	0:55	0.059	3012	10:00	0.001
3012	1:00	0.064	3012	10:05	0.001
3012	1:05	0.064	3012	10:10	0.001
3012	1:10	0.064	3012	10:15	0.001
3012	1:15	0.064	3012	10:20	0.001
3012	1:20	0.064	3012	10:25	0.001
3012	1:25	0.058	3012	10:30	0.001
3012	1:30	0.05	3012	10:35	0.001
3012	1:35	0.043	3012	10:40	0.001
3012	1:40	0.034	3012	10:45	0.001
3012	1:45	0.029	3012	10:50	0.001
3012	1:50	0.026	3012	10:55	0
3012	1:55	0.024	3012	11:00	0
3012	2:00	0.022	3012	11:05	0
3012	2:05	0.021	3012	11:10	0
3012	2:10	0.019	3012	11:15	0
3012	2:15	0.018	3012	11:20	0
3012	2:20	0.017	3012	11:25	0
3012	2:25	0.016	3012	11:30	0
3012	2:30	0.015	3012	11:35	0
3012	2:35	0.014	3012	11:40	0
3012	2:40	0.013	3012	11:45	0
3012	2:45	0.012	3012	11:50	0
3012	2:50	0.012	3012	11:55	0
3012	2:55	0.011	3012	12:00	0
3012	3:00	0.01	3012	12:05	0
3012	3:05	0.01	3012	12:10	0
3012	3:10	0.009	3012	12:15	0
3012	3:15	0.009	3012	12:20	0
3012	3:20	0.008	3012	12:25	0
3012	3:25	0.008	3012	12:30	0
3012	3:30	0.007	3012	12:35	0
3012	3:35	0.007	3012	12:40	0
3012	3:40	0.006	3012	12:45	0
3012	3:45	0.006	3012	12:50	0
3012	3:50	0.005	3012	12:55	0
3012	3:55	0.005	3012	13:00	0
3012	4:00	0.005	3012	13:05	0
3012	4:05	0.004	3012	13:10	0
3012	4:10	0.004	3012	13:15	0
3012	4:15	0.004	3012	13:20	0
3012	4:20	0.004	3012	13:25	0
3012	4:25	0.003	3012	13:30	0
3012	4:30	0.003	3012	13:35	0
3012	4:35	0.003	3012	13:40	0
3012	4:40	0.003	3012	13:45	0
3012	4:45	0.003	3012	13:50	0
3012	4:50	0.003	3012	13:55	0
3012	4:55	0.002	3012	14:00	0
3012	5:00	0.002	3012	14:05	0
3012	5:05	0.002	3012	14:10	0
3012	5:10	0.002	3012	14:15	0
3012	5:15	0.002	3012	14:20	0
3012	5:20	0.002	3012	14:25	0
3012	5:25	0.002	3012	14:30	0
3012	5:30	0.002	3012	14:35	0
3012	5:35	0.002	3012	14:40	0
3012	5:40	0.002	3012	14:45	0
3012	5:45	0.002	3012	14:50	0
3012	5:50	0.002	3012	14:55	0
3012	5:55	0.001	3012	15:00	0
3012	6:00	0.001	3012	15:05	0
3012	6:05	0.001	3012	15:10	0
3012	6:10	0.001	3012	15:15	0
3012	6:15	0.001	3012	15:20	0
3012	6:20	0.001	3012	15:25	0
3012	6:25	0.001	3012	15:30	0
3012	6:30	0.001	3012	15:35	0
3012	6:35	0.001	3012	15:40	0
3012	6:40	0.001	3012	15:45	0
3012	6:45	0.001	3012	15:50	0
3012	6:50	0.001	3012	15:55	0
3012	6:55	0.001	3012	16:00	0
3012	7:00	0.001	3012	16:05	0
3012	7:05	0.001	3012	16:10	0
3012	7:10	0.001	3012	16:15	0

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3012	16:20	0
3012	16:25	0
3012	16:30	0
3012	16:35	0
3012	16:40	0
3012	16:45	0
3012	16:50	0
3012	16:55	0
3012	17:00	0
3012	17:05	0
3012	17:10	0
3012	17:15	0
3012	17:20	0
3012	17:25	0
3012	17:30	0
3012	17:35	0
3012	17:40	0
3012	17:45	0
3012	17:50	0
3012	17:55	0
3012	18:00	0
3012	18:05	0
3012	18:10	0
3012	18:15	0
3012	18:20	0
3012	18:25	0
3012	18:30	0
3012	18:35	0
3012	18:40	0
3012	18:45	0
3012	18:50	0
3012	18:55	0
3012	19:00	0
3012	19:05	0
3012	19:10	0
3012	19:15	0
3012	19:20	0
3012	19:25	0
3012	19:30	0
3012	19:35	0
3012	19:40	0
3012	19:45	0
3012	19:50	0
3012	19:55	0
3012	20:00	0
3012	20:05	0
3012	20:10	0
3012	20:15	0
3012	20:20	0
3012	20:25	0
3012	20:30	0
3012	20:35	0
3012	20:40	0
3012	20:45	0
3012	20:50	0
3012	20:55	0
3012	21:00	0
3012	21:05	0
3012	21:10	0
3012	21:15	0
3012	21:20	0
3012	21:25	0
3012	21:30	0
3012	21:35	0
3012	21:40	0
3012	21:45	0
3012	21:50	0
3012	21:55	0
3012	22:00	0
3012	22:05	0
3012	22:10	0
3012	22:15	0
3012	22:20	0
3012	22:25	0
3012	22:30	0
3012	22:35	0
3012	22:40	0
3012	22:45	0
3012	22:50	0
3012	22:55	0
3012	23:00	0
3012	23:05	0
3012	23:10	0
3012	23:15	0
3012	23:20	0
3012	23:25	0
3012	23:30	0
3012	23:35	0
3012	23:40	0
3012	23:45	0
3012	23:50	0
3012	23:55	0
3014	0:00	0
3014	0:05	0
3014	0:10	0
3014	0:15	0
3014	0:20	0
3014	0:25	0.001
3014	0:30	0.002
3014	0:35	0.006
3014	0:40	0.012
3014	0:45	0.021
3014	0:50	0.03
3014	0:55	0.042
3014	1:00	0.06
3014	1:05	0.054
3014	1:10	0.051
3014	1:15	0.049
3014	1:20	0.048
3014	1:25	0.047
3014	1:30	0.046
3014	1:35	0.044
3014	1:40	0.039
3014	1:45	0.034
3014	1:50	0.03
3014	1:55	0.026
3014	2:00	0.023
3014	2:05	0.021
3014	2:10	0.019
3014	2:15	0.017
3014	2:20	0.016
3014	2:25	0.014
3014	2:30	0.013
3014	2:35	0.012
3014	2:40	0.011
3014	2:45	0.011
3014	2:50	0.01
3014	2:55	0.009
3014	3:00	0.009
3014	3:05	0.009
3014	3:10	0.009
3014	3:15	0.008
3014	3:20	0.007
3014	3:25	0.006
3014	3:30	0.005
3014	3:35	0.005
3014	3:40	0.005
3014	3:45	0.004
3014	3:50	0.004
3014	3:55	0.004
3014	4:00	0.004
3014	4:05	0.003
3014	4:10	0.003
3014	4:15	0.003
3014	4:20	0.003
3014	4:25	0.003
3014	4:30	0.003
3014	4:35	0.003
3014	4:40	0.003
3014	4:45	0.003
3014	4:50	0.002
3014	4:55	0.002
3014	5:00	0.002
3014	5:05	0.002
3014	5:10	0.002
3014	5:15	0.002
3014	5:20	0.002
3014	5:25	0.002
3014	5:30	0.002
3014	5:35	0.002
3014	5:40	0.002
3014	5:45	0.002
3014	5:50	0.002
3014	5:55	0.002
3014	6:00	0.002
3014	6:05	0.002
3014	6:10	0.002
3014	6:15	0.002
3014	6:20	0.002
3014	6:25	0.002
3014	6:30	0.002
3014	6:35	0.002
3014	6:40	0.002
3014	6:45	0.001
3014	6:50	0.001
3014	6:55	0.001
3014	7:00	0.001
3014	7:05	0.001
3014	7:10	0.001
3014	7:15	0.001
3014	7:20	0.001
3014	7:25	0.001
3014	7:30	0.001
3014	7:35	0.001
3014	7:40	0.001
3014	7:45	0.001
3014	7:50	0.001
3014	7:55	0.001
3014	8:00	0.001
3014	8:05	0.001
3014	8:10	0.001
3014	8:15	0.001
3014	8:20	0.001
3014	8:25	0.001
3014	8:30	0.001
3014	8:35	0.001
3014	8:40	0.001
3014	8:45	0.001
3014	8:50	0.001
3014	8:55	0.001
3014	9:00	0.001
3014	9:05	0.001
3014	9:10	0.001
3014	9:15	0.001
3014	9:20	0.001
3014	9:25	0.001
3014	9:30	0.001
3014	9:35	0.001
3014	9:40	0.001
3014	9:45	0.001
3014	9:50	0.001
3014	9:55	0.001
3014	10:00	0.001
3014	10:05	0.001
3014	10:10	0.001
3014	10:15	0.001
3014	10:20	0.001

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3014	10:25	0.001
3014	10:30	0.001
3014	10:35	0.001
3014	10:40	0.001
3014	10:45	0.001
3014	10:50	0.001
3014	10:55	0.001
3014	11:00	0.001
3014	11:05	0.001
3014	11:10	0.001
3014	11:15	0.001
3014	11:20	0.001
3014	11:25	0.001
3014	11:30	0.001
3014	11:35	0.001
3014	11:40	0.001
3014	11:45	0.001
3014	11:50	0.001
3014	11:55	0.001
3014	12:00	0.001
3014	12:05	0.001
3014	12:10	0.001
3014	12:15	0.001
3014	12:20	0.001
3014	12:25	0.001
3014	12:30	0.001
3014	12:35	0.001
3014	12:40	0.001
3014	12:45	0.001
3014	12:50	0.001
3014	12:55	0.001
3014	13:00	0.001
3014	13:05	0.001
3014	13:10	0.001
3014	13:15	0.001
3014	13:20	0.001
3014	13:25	0.001
3014	13:30	0.001
3014	13:35	0.001
3014	13:40	0.001
3014	13:45	0.001
3014	13:50	0.001
3014	13:55	0.001
3014	14:00	0.001
3014	14:05	0.001
3014	14:10	0.001
3014	14:15	0.001
3014	14:20	0.001
3014	14:25	0.001
3014	14:30	0.001
3014	14:35	0.001
3014	14:40	0.001
3014	14:45	0.001
3014	14:50	0.001
3014	14:55	0.001
3014	15:00	0.001
3014	15:05	0.001
3014	15:10	0.001
3014	15:15	0.001
3014	15:20	0.001
3014	15:25	0.001
3014	15:30	0.001
3014	15:35	0.001
3014	15:40	0.001
3014	15:45	0.001
3014	15:50	0.001
3014	15:55	0.001
3014	16:00	0.001
3014	16:05	0.001
3014	16:10	0.001
3014	16:15	0.001
3014	16:20	0.001
3014	16:25	0.001
3014	16:30	0.001
3014	16:35	0.001
3014	16:40	0.001
3014	16:45	0.001
3014	16:50	0.001
3014	16:55	0
3014	17:00	0
3014	17:05	0
3014	17:10	0
3014	17:15	0
3014	17:20	0
3014	17:25	0
3014	17:30	0
3014	17:35	0
3014	17:40	0
3014	17:45	0
3014	17:50	0
3014	17:55	0
3014	18:00	0
3014	18:05	0
3014	18:10	0
3014	18:15	0
3014	18:20	0
3014	18:25	0
3014	18:30	0
3014	18:35	0
3014	18:40	0
3014	18:45	0
3014	18:50	0
3014	18:55	0
3014	19:00	0
3014	19:05	0
3014	19:10	0
3014	19:15	0
3014	19:20	0
3014	19:25	0
3014	19:30	0
3014	19:35	0
3014	19:40	0
3014	19:45	0
3014	19:50	0
3014	19:55	0
3014	20:00	0
3014	20:05	0
3014	20:10	0
3014	20:15	0
3014	20:20	0
3014	20:25	0
3014	20:30	0
3014	20:35	0
3014	20:40	0
3014	20:45	0
3014	20:50	0
3014	20:55	0
3014	21:00	0
3014	21:05	0
3014	21:10	0
3014	21:15	0
3014	21:20	0
3014	21:25	0
3014	21:30	0
3014	21:35	0
3014	21:40	0
3014	21:45	0
3014	21:50	0
3014	21:55	0
3014	22:00	0
3014	22:05	0
3014	22:10	0
3014	22:15	0
3014	22:20	0
3014	22:25	0
3014	22:30	0
3014	22:35	0
3014	22:40	0
3014	22:45	0
3014	22:50	0
3014	22:55	0
3014	23:00	0
3014	23:05	0
3014	23:10	0
3014	23:15	0
3014	23:20	0
3014	23:25	0
3014	23:30	0
3014	23:35	0
3014	23:40	0
3014	23:45	0
3014	23:50	0
3014	23:55	0

;Data for 3015S and 31015N combined to create a single inflow condition at MH3015

3015(combined)	0:00	0
3015(combined)	0:05	0
3015(combined)	0:10	0
3015(combined)	0:15	0
3015(combined)	0:20	0
3015(combined)	0:25	0
3015(combined)	0:30	0.001
3015(combined)	0:35	0.002
3015(combined)	0:40	0.003
3015(combined)	0:45	0.006
3015(combined)	0:50	0.012
3015(combined)	0:55	0.025
3015(combined)	1:00	0.042
3015(combined)	1:05	0.042
3015(combined)	1:10	0.042
3015(combined)	1:15	0.042
3015(combined)	1:20	0.042
3015(combined)	1:25	0.041
3015(combined)	1:30	0.039
3015(combined)	1:35	0.031
3015(combined)	1:40	0.025
3015(combined)	1:45	0.02
3015(combined)	1:50	0.018
3015(combined)	1:55	0.016
3015(combined)	2:00	0.013
3015(combined)	2:05	0.011
3015(combined)	2:10	0.01
3015(combined)	2:15	0.01
3015(combined)	2:20	0.008
3015(combined)	2:25	0.007
3015(combined)	2:30	0.007
3015(combined)	2:35	0.007
3015(combined)	2:40	0.006
3015(combined)	2:45	0.006
3015(combined)	2:50	0.005
3015(combined)	2:55	0.004
3015(combined)	3:00	0.004
3015(combined)	3:05	0.005
3015(combined)	3:10	0.004
3015(combined)	3:15	0.004
3015(combined)	3:20	0.004
3015(combined)	3:25	0.003
3015(combined)	3:30	0.003
3015(combined)	3:35	0.003
3015(combined)	3:40	0.003
3015(combined)	3:45	0.003
3015(combined)	3:50	0.003
3015(combined)	3:55	0.002
3015(combined)	4:00	0.002
3015(combined)	4:05	0.002
3015(combined)	4:10	0.002
3015(combined)	4:15	0.002

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3015 (combined)	4:20	0.002	3015 (combined)	13:25	0
3015 (combined)	4:25	0.002	3015 (combined)	13:30	0
3015 (combined)	4:30	0.002	3015 (combined)	13:35	0
3015 (combined)	4:35	0.002	3015 (combined)	13:40	0
3015 (combined)	4:40	0.002	3015 (combined)	13:45	0
3015 (combined)	4:45	0.002	3015 (combined)	13:50	0
3015 (combined)	4:50	0.002	3015 (combined)	13:55	0
3015 (combined)	4:55	0.002	3015 (combined)	14:00	0
3015 (combined)	5:00	0.002	3015 (combined)	14:05	0
3015 (combined)	5:05	0.002	3015 (combined)	14:10	0
3015 (combined)	5:10	0.002	3015 (combined)	14:15	0
3015 (combined)	5:15	0.002	3015 (combined)	14:20	0
3015 (combined)	5:20	0.002	3015 (combined)	14:25	0
3015 (combined)	5:25	0.002	3015 (combined)	14:30	0
3015 (combined)	5:30	0.002	3015 (combined)	14:35	0
3015 (combined)	5:35	0.002	3015 (combined)	14:40	0
3015 (combined)	5:40	0.002	3015 (combined)	14:45	0
3015 (combined)	5:45	0.002	3015 (combined)	14:50	0
3015 (combined)	5:50	0.002	3015 (combined)	14:55	0
3015 (combined)	5:55	0.001	3015 (combined)	15:00	0
3015 (combined)	6:00	0.001	3015 (combined)	15:05	0
3015 (combined)	6:05	0.001	3015 (combined)	15:10	0
3015 (combined)	6:10	0.001	3015 (combined)	15:15	0
3015 (combined)	6:15	0	3015 (combined)	15:20	0
3015 (combined)	6:20	0	3015 (combined)	15:25	0
3015 (combined)	6:25	0	3015 (combined)	15:30	0
3015 (combined)	6:30	0	3015 (combined)	15:35	0
3015 (combined)	6:35	0	3015 (combined)	15:40	0
3015 (combined)	6:40	0	3015 (combined)	15:45	0
3015 (combined)	6:45	0	3015 (combined)	15:50	0
3015 (combined)	6:50	0	3015 (combined)	15:55	0
3015 (combined)	6:55	0	3015 (combined)	16:00	0
3015 (combined)	7:00	0	3015 (combined)	16:05	0
3015 (combined)	7:05	0	3015 (combined)	16:10	0
3015 (combined)	7:10	0	3015 (combined)	16:15	0
3015 (combined)	7:15	0	3015 (combined)	16:20	0
3015 (combined)	7:20	0	3015 (combined)	16:25	0
3015 (combined)	7:25	0	3015 (combined)	16:30	0
3015 (combined)	7:30	0	3015 (combined)	16:35	0
3015 (combined)	7:35	0	3015 (combined)	16:40	0
3015 (combined)	7:40	0	3015 (combined)	16:45	0
3015 (combined)	7:45	0	3015 (combined)	16:50	0
3015 (combined)	7:50	0	3015 (combined)	16:55	0
3015 (combined)	7:55	0	3015 (combined)	17:00	0
3015 (combined)	8:00	0	3015 (combined)	17:05	0
3015 (combined)	8:05	0	3015 (combined)	17:10	0
3015 (combined)	8:10	0	3015 (combined)	17:15	0
3015 (combined)	8:15	0	3015 (combined)	17:20	0
3015 (combined)	8:20	0	3015 (combined)	17:25	0
3015 (combined)	8:25	0	3015 (combined)	17:30	0
3015 (combined)	8:30	0	3015 (combined)	17:35	0
3015 (combined)	8:35	0	3015 (combined)	17:40	0
3015 (combined)	8:40	0	3015 (combined)	17:45	0
3015 (combined)	8:45	0	3015 (combined)	17:50	0
3015 (combined)	8:50	0	3015 (combined)	17:55	0
3015 (combined)	8:55	0	3015 (combined)	18:00	0
3015 (combined)	9:00	0	3015 (combined)	18:05	0
3015 (combined)	9:05	0	3015 (combined)	18:10	0
3015 (combined)	9:10	0	3015 (combined)	18:15	0
3015 (combined)	9:15	0	3015 (combined)	18:20	0
3015 (combined)	9:20	0	3015 (combined)	18:25	0
3015 (combined)	9:25	0	3015 (combined)	18:30	0
3015 (combined)	9:30	0	3015 (combined)	18:35	0
3015 (combined)	9:35	0	3015 (combined)	18:40	0
3015 (combined)	9:40	0	3015 (combined)	18:45	0
3015 (combined)	9:45	0	3015 (combined)	18:50	0
3015 (combined)	9:50	0	3015 (combined)	18:55	0
3015 (combined)	9:55	0	3015 (combined)	19:00	0
3015 (combined)	10:00	0	3015 (combined)	19:05	0
3015 (combined)	10:05	0	3015 (combined)	19:10	0
3015 (combined)	10:10	0	3015 (combined)	19:15	0
3015 (combined)	10:15	0	3015 (combined)	19:20	0
3015 (combined)	10:20	0	3015 (combined)	19:25	0
3015 (combined)	10:25	0	3015 (combined)	19:30	0
3015 (combined)	10:30	0	3015 (combined)	19:35	0
3015 (combined)	10:35	0	3015 (combined)	19:40	0
3015 (combined)	10:40	0	3015 (combined)	19:45	0
3015 (combined)	10:45	0	3015 (combined)	19:50	0
3015 (combined)	10:50	0	3015 (combined)	19:55	0
3015 (combined)	10:55	0	3015 (combined)	20:00	0
3015 (combined)	11:00	0	3015 (combined)	20:05	0
3015 (combined)	11:05	0	3015 (combined)	20:10	0
3015 (combined)	11:10	0	3015 (combined)	20:15	0
3015 (combined)	11:15	0	3015 (combined)	20:20	0
3015 (combined)	11:20	0	3015 (combined)	20:25	0
3015 (combined)	11:25	0	3015 (combined)	20:30	0
3015 (combined)	11:30	0	3015 (combined)	20:35	0
3015 (combined)	11:35	0	3015 (combined)	20:40	0
3015 (combined)	11:40	0	3015 (combined)	20:45	0
3015 (combined)	11:45	0	3015 (combined)	20:50	0
3015 (combined)	11:50	0	3015 (combined)	20:55	0
3015 (combined)	11:55	0	3015 (combined)	21:00	0
3015 (combined)	12:00	0	3015 (combined)	21:05	0
3015 (combined)	12:05	0	3015 (combined)	21:10	0
3015 (combined)	12:10	0	3015 (combined)	21:15	0
3015 (combined)	12:15	0	3015 (combined)	21:20	0
3015 (combined)	12:20	0	3015 (combined)	21:25	0
3015 (combined)	12:25	0	3015 (combined)	21:30	0
3015 (combined)	12:30	0	3015 (combined)	21:35	0
3015 (combined)	12:35	0	3015 (combined)	21:40	0
3015 (combined)	12:40	0	3015 (combined)	21:45	0
3015 (combined)	12:45	0	3015 (combined)	21:50	0
3015 (combined)	12:50	0	3015 (combined)	21:55	0
3015 (combined)	12:55	0	3015 (combined)	22:00	0
3015 (combined)	13:00	0	3015 (combined)	22:05	0
3015 (combined)	13:05	0	3015 (combined)	22:10	0
3015 (combined)	13:10	0	3015 (combined)	22:15	0
3015 (combined)	13:15	0	3015 (combined)	22:20	0
3015 (combined)	13:20	0	3015 (combined)	22:25	0

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3015 (combined)	22:30	0
3015 (combined)	22:35	0
3015 (combined)	22:40	0
3015 (combined)	22:45	0
3015 (combined)	22:50	0
3015 (combined)	22:55	0
3015 (combined)	23:00	0
3015 (combined)	23:05	0
3015 (combined)	23:10	0
3015 (combined)	23:15	0
3015 (combined)	23:20	0
3015 (combined)	23:25	0
3015 (combined)	23:30	0
3015 (combined)	23:35	0
3015 (combined)	23:40	0
3015 (combined)	23:45	0
3015 (combined)	23:50	0
3015 (combined)	23:55	0
3017	0:00	0
3017	0:05	0
3017	0:10	0
3017	0:15	0
3017	0:20	0.001
3017	0:25	0.001
3017	0:30	0.002
3017	0:35	0.002
3017	0:40	0.004
3017	0:45	0.005
3017	0:50	0.021
3017	0:55	0.021
3017	1:00	0.021
3017	1:05	0.021
3017	1:10	0.021
3017	1:15	0.021
3017	1:20	0.021
3017	1:25	0.013
3017	1:30	0.007
3017	1:35	0.003
3017	1:40	0.001
3017	1:45	0.002
3017	1:50	0.001
3017	1:55	0.001
3017	2:00	0.001
3017	2:05	0.001
3017	2:10	0.001
3017	2:15	0.001
3017	2:20	0.001
3017	2:25	0.001
3017	2:30	0.001
3017	2:35	0.001
3017	2:40	0.001
3017	2:45	0.001
3017	2:50	0.001
3017	2:55	0.001
3017	3:00	0
3017	3:05	0
3017	3:10	0
3017	3:15	0
3017	3:20	0
3017	3:25	0
3017	3:30	0
3017	3:35	0
3017	3:40	0
3017	3:45	0
3017	3:50	0
3017	3:55	0
3017	4:00	0
3017	4:05	0
3017	4:10	0
3017	4:15	0
3017	4:20	0
3017	4:25	0
3017	4:30	0
3017	4:35	0
3017	4:40	0
3017	4:45	0
3017	4:50	0
3017	4:55	0
3017	5:00	0
3017	5:05	0
3017	5:10	0
3017	5:15	0
3017	5:20	0
3017	5:25	0
3017	5:30	0
3017	5:35	0
3017	5:40	0
3017	5:45	0
3017	5:50	0
3017	5:55	0
3017	6:00	0
3017	6:05	0
3017	6:10	0
3017	6:15	0
3017	6:20	0
3017	6:25	0
3017	6:30	0
3017	6:35	0
3017	6:40	0
3017	6:45	0
3017	6:50	0
3017	6:55	0
3017	7:00	0
3017	7:05	0
3017	7:10	0
3017	7:15	0
3017	7:20	0
3017	7:25	0
3017	7:30	0
3017	7:35	0
3017	7:40	0
3017	7:45	0
3017	7:50	0
3017	7:55	0
3017	8:00	0
3017	8:05	0
3017	8:10	0
3017	8:15	0
3017	8:20	0
3017	8:25	0
3017	8:30	0
3017	8:35	0
3017	8:40	0
3017	8:45	0
3017	8:50	0
3017	8:55	0
3017	9:00	0
3017	9:05	0
3017	9:10	0
3017	9:15	0
3017	9:20	0
3017	9:25	0
3017	9:30	0
3017	9:35	0
3017	9:40	0
3017	9:45	0
3017	9:50	0
3017	9:55	0
3017	10:00	0
3017	10:05	0
3017	10:10	0
3017	10:15	0
3017	10:20	0
3017	10:25	0
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3017	10:35	0
3017	10:40	0
3017	10:45	0
3017	10:50	0
3017	10:55	0
3017	11:00	0
3017	11:05	0
3017	11:10	0
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3017	11:20	0
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3017	11:35	0
3017	11:40	0
3017	11:45	0
3017	11:50	0
3017	11:55	0
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3017	12:05	0
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3017	12:15	0
3017	12:20	0
3017	12:25	0
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3017	12:35	0
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3017	12:45	0
3017	12:50	0
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3017	13:35	0
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3017	13:45	0
3017	13:50	0
3017	13:55	0
3017	14:00	0
3017	14:05	0
3017	14:10	0
3017	14:15	0
3017	14:20	0
3017	14:25	0
3017	14:30	0
3017	14:35	0
3017	14:40	0
3017	14:45	0
3017	14:50	0
3017	14:55	0
3017	15:00	0
3017	15:05	0
3017	15:10	0
3017	15:15	0
3017	15:20	0
3017	15:25	0
3017	15:30	0
3017	15:35	0
3017	15:40	0
3017	15:45	0
3017	15:50	0
3017	15:55	0
3017	16:00	0
3017	16:05	0
3017	16:10	0
3017	16:15	0
3017	16:20	0
3017	16:25	0
3017	16:30	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data – 2011 Subdivision

Design Storm: 100 Year 3-hour Chicago Storm

3017	16:35	0	3020	1:35	0.042
3017	16:40	0	3020	1:40	0.035
3017	16:45	0	3020	1:45	0.03
3017	16:50	0	3020	1:50	0.026
3017	16:55	0	3020	1:55	0.023
3017	17:00	0	3020	2:00	0.02
3017	17:05	0	3020	2:05	0.018
3017	17:10	0	3020	2:10	0.016
3017	17:15	0	3020	2:15	0.015
3017	17:20	0	3020	2:20	0.013
3017	17:25	0	3020	2:25	0.012
3017	17:30	0	3020	2:30	0.012
3017	17:35	0	3020	2:35	0.011
3017	17:40	0	3020	2:40	0.01
3017	17:45	0	3020	2:45	0.01
3017	17:50	0	3020	2:50	0.01
3017	17:55	0	3020	2:55	0.009
3017	18:00	0	3020	3:00	0.009
3017	18:05	0	3020	3:05	0.009
3017	18:10	0	3020	3:10	0.008
3017	18:15	0	3020	3:15	0.007
3017	18:20	0	3020	3:20	0.006
3017	18:25	0	3020	3:25	0.005
3017	18:30	0	3020	3:30	0.005
3017	18:35	0	3020	3:35	0.004
3017	18:40	0	3020	3:40	0.004
3017	18:45	0	3020	3:45	0.004
3017	18:50	0	3020	3:50	0.003
3017	18:55	0	3020	3:55	0.003
3017	19:00	0	3020	4:00	0.003
3017	19:05	0	3020	4:05	0.003
3017	19:10	0	3020	4:10	0.003
3017	19:15	0	3020	4:15	0.003
3017	19:20	0	3020	4:20	0.002
3017	19:25	0	3020	4:25	0.002
3017	19:30	0	3020	4:30	0.002
3017	19:35	0	3020	4:35	0.002
3017	19:40	0	3020	4:40	0.002
3017	19:45	0	3020	4:45	0.002
3017	19:50	0	3020	4:50	0.002
3017	19:55	0	3020	4:55	0.002
3017	20:00	0	3020	5:00	0.002
3017	20:05	0	3020	5:05	0.002
3017	20:10	0	3020	5:10	0.002
3017	20:15	0	3020	5:15	0.002
3017	20:20	0	3020	5:20	0.002
3017	20:25	0	3020	5:25	0.002
3017	20:30	0	3020	5:30	0.002
3017	20:35	0	3020	5:35	0.002
3017	20:40	0	3020	5:40	0.001
3017	20:45	0	3020	5:45	0.001
3017	20:50	0	3020	5:50	0.001
3017	20:55	0	3020	5:55	0.001
3017	21:00	0	3020	6:00	0.001
3017	21:05	0	3020	6:05	0.001
3017	21:10	0	3020	6:10	0.001
3017	21:15	0	3020	6:15	0.001
3017	21:20	0	3020	6:20	0.001
3017	21:25	0	3020	6:25	0.001
3017	21:30	0	3020	6:30	0.001
3017	21:35	0	3020	6:35	0.001
3017	21:40	0	3020	6:40	0.001
3017	21:45	0	3020	6:45	0.001
3017	21:50	0	3020	6:50	0.001
3017	21:55	0	3020	6:55	0.001
3017	22:00	0	3020	7:00	0.001
3017	22:05	0	3020	7:05	0.001
3017	22:10	0	3020	7:10	0.001
3017	22:15	0	3020	7:15	0.001
3017	22:20	0	3020	7:20	0.001
3017	22:25	0	3020	7:25	0.001
3017	22:30	0	3020	7:30	0.001
3017	22:35	0	3020	7:35	0.001
3017	22:40	0	3020	7:40	0.001
3017	22:45	0	3020	7:45	0.001
3017	22:50	0	3020	7:50	0.001
3017	22:55	0	3020	7:55	0.001
3017	23:00	0	3020	8:00	0.001
3017	23:05	0	3020	8:05	0.001
3017	23:10	0	3020	8:10	0.001
3017	23:15	0	3020	8:15	0.001
3017	23:20	0	3020	8:20	0.001
3017	23:25	0	3020	8:25	0.001
3017	23:30	0	3020	8:30	0.001
3017	23:35	0	3020	8:35	0.001
3017	23:40	0	3020	8:40	0.001
3017	23:45	0	3020	8:45	0.001
3017	23:50	0	3020	8:50	0.001
3017	23:55	0	3020	8:55	0.001
			3020	9:00	0.001
3020	0:00	0	3020	9:05	0.001
3020	0:05	0	3020	9:10	0.001
3020	0:10	0	3020	9:15	0.001
3020	0:15	0	3020	9:20	0.001
3020	0:20	0.001	3020	9:25	0.001
3020	0:25	0.003	3020	9:30	0.001
3020	0:30	0.007	3020	9:35	0.001
3020	0:35	0.014	3020	9:40	0.001
3020	0:40	0.023	3020	9:45	0.001
3020	0:45	0.039	3020	9:50	0.001
3020	0:50	0.077	3020	9:55	0.001
3020	0:55	0.106	3020	10:00	0.001
3020	1:00	0.106	3020	10:05	0.001
3020	1:05	0.102	3020	10:10	0.001
3020	1:10	0.091	3020	10:15	0.001
3020	1:15	0.083	3020	10:20	0.001
3020	1:20	0.078	3020	10:25	0.001
3020	1:25	0.069	3020	10:30	0.001
3020	1:30	0.052	3020	10:35	0.001

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data – 2011 Subdivision

Design Storm: 100 Year 3-hour Chicago Storm

3020	10:40	0.001	3020	19:45	0
3020	10:45	0.001	3020	19:50	0
3020	10:50	0.001	3020	19:55	0
3020	10:55	0.001	3020	20:00	0
3020	11:00	0.001	3020	20:05	0
3020	11:05	0.001	3020	20:10	0
3020	11:10	0.001	3020	20:15	0
3020	11:15	0.001	3020	20:20	0
3020	11:20	0.001	3020	20:25	0
3020	11:25	0.001	3020	20:30	0
3020	11:30	0.001	3020	20:35	0
3020	11:35	0.001	3020	20:40	0
3020	11:40	0.001	3020	20:45	0
3020	11:45	0.001	3020	20:50	0
3020	11:50	0.001	3020	20:55	0
3020	11:55	0.001	3020	21:00	0
3020	12:00	0.001	3020	21:05	0
3020	12:05	0.001	3020	21:10	0
3020	12:10	0.001	3020	21:15	0
3020	12:15	0.001	3020	21:20	0
3020	12:20	0	3020	21:25	0
3020	12:25	0	3020	21:30	0
3020	12:30	0	3020	21:35	0
3020	12:35	0	3020	21:40	0
3020	12:40	0	3020	21:45	0
3020	12:45	0	3020	21:50	0
3020	12:50	0	3020	21:55	0
3020	12:55	0	3020	22:00	0
3020	13:00	0	3020	22:05	0
3020	13:05	0	3020	22:10	0
3020	13:10	0	3020	22:15	0
3020	13:15	0	3020	22:20	0
3020	13:20	0	3020	22:25	0
3020	13:25	0	3020	22:30	0
3020	13:30	0	3020	22:35	0
3020	13:35	0	3020	22:40	0
3020	13:40	0	3020	22:45	0
3020	13:45	0	3020	22:50	0
3020	13:50	0	3020	22:55	0
3020	13:55	0	3020	23:00	0
3020	14:00	0	3020	23:05	0
3020	14:05	0	3020	23:10	0
3020	14:10	0	3020	23:15	0
3020	14:15	0	3020	23:20	0
3020	14:20	0	3020	23:25	0
3020	14:25	0	3020	23:30	0
3020	14:30	0	3020	23:35	0
3020	14:35	0	3020	23:40	0
3020	14:40	0	3020	23:45	0
3020	14:45	0	3020	23:50	0
3020	14:50	0	3020	23:55	0
3020	14:55	0			
3020	15:00	0	3021	0:00	0
3020	15:05	0	3021	0:05	0
3020	15:10	0	3021	0:10	0
3020	15:15	0	3021	0:15	0
3020	15:20	0	3021	0:20	0
3020	15:25	0	3021	0:25	0
3020	15:30	0	3021	0:30	0.001
3020	15:35	0	3021	0:35	0.001
3020	15:40	0	3021	0:40	0.002
3020	15:45	0	3021	0:45	0.003
3020	15:50	0	3021	0:50	0.018
3020	15:55	0	3021	0:55	0.021
3020	16:00	0	3021	1:00	0.021
3020	16:05	0	3021	1:05	0.021
3020	16:10	0	3021	1:10	0.021
3020	16:15	0	3021	1:15	0.021
3020	16:20	0	3021	1:20	0.019
3020	16:25	0	3021	1:25	0.014
3020	16:30	0	3021	1:30	0.01
3020	16:35	0	3021	1:35	0.007
3020	16:40	0	3021	1:40	0.005
3020	16:45	0	3021	1:45	0.004
3020	16:50	0	3021	1:50	0.004
3020	16:55	0	3021	1:55	0.003
3020	17:00	0	3021	2:00	0.003
3020	17:05	0	3021	2:05	0.002
3020	17:10	0	3021	2:10	0.002
3020	17:15	0	3021	2:15	0.002
3020	17:20	0	3021	2:20	0.002
3020	17:25	0	3021	2:25	0.001
3020	17:30	0	3021	2:30	0.001
3020	17:35	0	3021	2:35	0.001
3020	17:40	0	3021	2:40	0.001
3020	17:45	0	3021	2:45	0.001
3020	17:50	0	3021	2:50	0.001
3020	17:55	0	3021	2:55	0.001
3020	18:00	0	3021	3:00	0.001
3020	18:05	0	3021	3:05	0.001
3020	18:10	0	3021	3:10	0.001
3020	18:15	0	3021	3:15	0.001
3020	18:20	0	3021	3:20	0.001
3020	18:25	0	3021	3:25	0.001
3020	18:30	0	3021	3:30	0.001
3020	18:35	0	3021	3:35	0.001
3020	18:40	0	3021	3:40	0.001
3020	18:45	0	3021	3:45	0.001
3020	18:50	0	3021	3:50	0.001
3020	18:55	0	3021	3:55	0.001
3020	19:00	0	3021	4:00	0
3020	19:05	0	3021	4:05	0
3020	19:10	0	3021	4:10	0
3020	19:15	0	3021	4:15	0
3020	19:20	0	3021	4:20	0
3020	19:25	0	3021	4:25	0
3020	19:30	0	3021	4:30	0
3020	19:35	0	3021	4:35	0
3020	19:40	0	3021	4:40	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data – 2011 Subdivision

Design Storm: 100 Year 3-hour Chicago Storm

3021	4:45	0	3021	13:50	0
3021	4:50	0	3021	13:55	0
3021	4:55	0	3021	14:00	0
3021	5:00	0	3021	14:05	0
3021	5:05	0	3021	14:10	0
3021	5:10	0	3021	14:15	0
3021	5:15	0	3021	14:20	0
3021	5:20	0	3021	14:25	0
3021	5:25	0	3021	14:30	0
3021	5:30	0	3021	14:35	0
3021	5:35	0	3021	14:40	0
3021	5:40	0	3021	14:45	0
3021	5:45	0	3021	14:50	0
3021	5:50	0	3021	14:55	0
3021	5:55	0	3021	15:00	0
3021	6:00	0	3021	15:05	0
3021	6:05	0	3021	15:10	0
3021	6:10	0	3021	15:15	0
3021	6:15	0	3021	15:20	0
3021	6:20	0	3021	15:25	0
3021	6:25	0	3021	15:30	0
3021	6:30	0	3021	15:35	0
3021	6:35	0	3021	15:40	0
3021	6:40	0	3021	15:45	0
3021	6:45	0	3021	15:50	0
3021	6:50	0	3021	15:55	0
3021	6:55	0	3021	16:00	0
3021	7:00	0	3021	16:05	0
3021	7:05	0	3021	16:10	0
3021	7:10	0	3021	16:15	0
3021	7:15	0	3021	16:20	0
3021	7:20	0	3021	16:25	0
3021	7:25	0	3021	16:30	0
3021	7:30	0	3021	16:35	0
3021	7:35	0	3021	16:40	0
3021	7:40	0	3021	16:45	0
3021	7:45	0	3021	16:50	0
3021	7:50	0	3021	16:55	0
3021	7:55	0	3021	17:00	0
3021	8:00	0	3021	17:05	0
3021	8:05	0	3021	17:10	0
3021	8:10	0	3021	17:15	0
3021	8:15	0	3021	17:20	0
3021	8:20	0	3021	17:25	0
3021	8:25	0	3021	17:30	0
3021	8:30	0	3021	17:35	0
3021	8:35	0	3021	17:40	0
3021	8:40	0	3021	17:45	0
3021	8:45	0	3021	17:50	0
3021	8:50	0	3021	17:55	0
3021	8:55	0	3021	18:00	0
3021	9:00	0	3021	18:05	0
3021	9:05	0	3021	18:10	0
3021	9:10	0	3021	18:15	0
3021	9:15	0	3021	18:20	0
3021	9:20	0	3021	18:25	0
3021	9:25	0	3021	18:30	0
3021	9:30	0	3021	18:35	0
3021	9:35	0	3021	18:40	0
3021	9:40	0	3021	18:45	0
3021	9:45	0	3021	18:50	0
3021	9:50	0	3021	18:55	0
3021	9:55	0	3021	19:00	0
3021	10:00	0	3021	19:05	0
3021	10:05	0	3021	19:10	0
3021	10:10	0	3021	19:15	0
3021	10:15	0	3021	19:20	0
3021	10:20	0	3021	19:25	0
3021	10:25	0	3021	19:30	0
3021	10:30	0	3021	19:35	0
3021	10:35	0	3021	19:40	0
3021	10:40	0	3021	19:45	0
3021	10:45	0	3021	19:50	0
3021	10:50	0	3021	19:55	0
3021	10:55	0	3021	20:00	0
3021	11:00	0	3021	20:05	0
3021	11:05	0	3021	20:10	0
3021	11:10	0	3021	20:15	0
3021	11:15	0	3021	20:20	0
3021	11:20	0	3021	20:25	0
3021	11:25	0	3021	20:30	0
3021	11:30	0	3021	20:35	0
3021	11:35	0	3021	20:40	0
3021	11:40	0	3021	20:45	0
3021	11:45	0	3021	20:50	0
3021	11:50	0	3021	20:55	0
3021	11:55	0	3021	21:00	0
3021	12:00	0	3021	21:05	0
3021	12:05	0	3021	21:10	0
3021	12:10	0	3021	21:15	0
3021	12:15	0	3021	21:20	0
3021	12:20	0	3021	21:25	0
3021	12:25	0	3021	21:30	0
3021	12:30	0	3021	21:35	0
3021	12:35	0	3021	21:40	0
3021	12:40	0	3021	21:45	0
3021	12:45	0	3021	21:50	0
3021	12:50	0	3021	21:55	0
3021	12:55	0	3021	22:00	0
3021	13:00	0	3021	22:05	0
3021	13:05	0	3021	22:10	0
3021	13:10	0	3021	22:15	0
3021	13:15	0	3021	22:20	0
3021	13:20	0	3021	22:25	0
3021	13:25	0	3021	22:30	0
3021	13:30	0	3021	22:35	0
3021	13:35	0	3021	22:40	0
3021	13:40	0	3021	22:45	0
3021	13:45	0	3021	22:50	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data – 2011 Subdivision

Design Storm: 100 Year 3-hour Chicago Storm

3021	22:55	0
3021	23:00	0
3021	23:05	0
3021	23:10	0
3021	23:15	0
3021	23:20	0
3021	23:25	0
3021	23:30	0
3021	23:35	0
3021	23:40	0
3021	23:45	0
3021	23:50	0
3021	23:55	0
3022	0:00	0
3022	0:05	0
3022	0:10	0
3022	0:15	0
3022	0:20	0
3022	0:25	0
3022	0:30	0.003
3022	0:35	0.006
3022	0:40	0.009
3022	0:45	0.017
3022	0:50	0.024
3022	0:55	0.042
3022	1:00	0.042
3022	1:05	0.042
3022	1:10	0.042
3022	1:15	0.042
3022	1:20	0.042
3022	1:25	0.042
3022	1:30	0.041
3022	1:35	0.037
3022	1:40	0.032
3022	1:45	0.028
3022	1:50	0.025
3022	1:55	0.022
3022	2:00	0.02
3022	2:05	0.017
3022	2:10	0.016
3022	2:15	0.014
3022	2:20	0.013
3022	2:25	0.012
3022	2:30	0.011
3022	2:35	0.01
3022	2:40	0.009
3022	2:45	0.009
3022	2:50	0.008
3022	2:55	0.008
3022	3:00	0.008
3022	3:05	0.008
3022	3:10	0.007
3022	3:15	0.006
3022	3:20	0.006
3022	3:25	0.005
3022	3:30	0.004
3022	3:35	0.004
3022	3:40	0.004
3022	3:45	0.003
3022	3:50	0.003
3022	3:55	0.003
3022	4:00	0.003
3022	4:05	0.002
3022	4:10	0.002
3022	4:15	0.002
3022	4:20	0.002
3022	4:25	0.002
3022	4:30	0.002
3022	4:35	0.002
3022	4:40	0.002
3022	4:45	0.002
3022	4:50	0.002
3022	4:55	0.002
3022	5:00	0.002
3022	5:05	0.001
3022	5:10	0.001
3022	5:15	0.001
3022	5:20	0.001
3022	5:25	0.001
3022	5:30	0.001
3022	5:35	0.001
3022	5:40	0.001
3022	5:45	0.001
3022	5:50	0.001
3022	5:55	0.001
3022	6:00	0.001
3022	6:05	0.001
3022	6:10	0.001
3022	6:15	0.001
3022	6:20	0.001
3022	6:25	0.001
3022	6:30	0.001
3022	6:35	0.001
3022	6:40	0.001
3022	6:45	0.001
3022	6:50	0.001
3022	6:55	0.001
3022	7:00	0.001
3022	7:05	0.001
3022	7:10	0.001
3022	7:15	0.001
3022	7:20	0.001
3022	7:25	0.001
3022	7:30	0.001
3022	7:35	0.001
3022	7:40	0.001
3022	7:45	0.001
3022	7:50	0.001
3022	7:55	0.001
3022	8:00	0.001
3022	8:05	0.001
3022	8:10	0.001
3022	8:15	0.001
3022	8:20	0.001
3022	8:25	0.001
3022	8:30	0.001
3022	8:35	0.001
3022	8:40	0.001
3022	8:45	0.001
3022	8:50	0.001
3022	8:55	0.001
3022	9:00	0.001
3022	9:05	0.001
3022	9:10	0.001
3022	9:15	0.001
3022	9:20	0.001
3022	9:25	0.001
3022	9:30	0.001
3022	9:35	0.001
3022	9:40	0.001
3022	9:45	0.001
3022	9:50	0.001
3022	9:55	0.001
3022	10:00	0.001
3022	10:05	0.001
3022	10:10	0.001
3022	10:15	0.001
3022	10:20	0.001
3022	10:25	0.001
3022	10:30	0.001
3022	10:35	0
3022	10:40	0
3022	10:45	0
3022	10:50	0
3022	10:55	0
3022	11:00	0
3022	11:05	0
3022	11:10	0
3022	11:15	0
3022	11:20	0
3022	11:25	0
3022	11:30	0
3022	11:35	0
3022	11:40	0
3022	11:45	0
3022	11:50	0
3022	11:55	0
3022	12:00	0
3022	12:05	0
3022	12:10	0
3022	12:15	0
3022	12:20	0
3022	12:25	0
3022	12:30	0
3022	12:35	0
3022	12:40	0
3022	12:45	0
3022	12:50	0
3022	12:55	0
3022	13:00	0
3022	13:05	0
3022	13:10	0
3022	13:15	0
3022	13:20	0
3022	13:25	0
3022	13:30	0
3022	13:35	0
3022	13:40	0
3022	13:45	0
3022	13:50	0
3022	13:55	0
3022	14:00	0
3022	14:05	0
3022	14:10	0
3022	14:15	0
3022	14:20	0
3022	14:25	0
3022	14:30	0
3022	14:35	0
3022	14:40	0
3022	14:45	0
3022	14:50	0
3022	14:55	0
3022	15:00	0
3022	15:05	0
3022	15:10	0
3022	15:15	0
3022	15:20	0
3022	15:25	0
3022	15:30	0
3022	15:35	0
3022	15:40	0
3022	15:45	0
3022	15:50	0
3022	15:55	0
3022	16:00	0
3022	16:05	0
3022	16:10	0
3022	16:15	0
3022	16:20	0
3022	16:25	0
3022	16:30	0
3022	16:35	0
3022	16:40	0
3022	16:45	0
3022	16:50	0
3022	16:55	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data – 2011 Subdivision

Design Storm: 100 Year 3-hour Chicago Storm

3022	17:00	0	3023	2:00	0.005
3022	17:05	0	3023	2:05	0.005
3022	17:10	0	3023	2:10	0.004
3022	17:15	0	3023	2:15	0.004
3022	17:20	0	3023	2:20	0.004
3022	17:25	0	3023	2:25	0.004
3022	17:30	0	3023	2:30	0.003
3022	17:35	0	3023	2:35	0.003
3022	17:40	0	3023	2:40	0.003
3022	17:45	0	3023	2:45	0.003
3022	17:50	0	3023	2:50	0.003
3022	17:55	0	3023	2:55	0.003
3022	18:00	0	3023	3:00	0.003
3022	18:05	0	3023	3:05	0.003
3022	18:10	0	3023	3:10	0.002
3022	18:15	0	3023	3:15	0.002
3022	18:20	0	3023	3:20	0.002
3022	18:25	0	3023	3:25	0.001
3022	18:30	0	3023	3:30	0.001
3022	18:35	0	3023	3:35	0.001
3022	18:40	0	3023	3:40	0.001
3022	18:45	0	3023	3:45	0.001
3022	18:50	0	3023	3:50	0.001
3022	18:55	0	3023	3:55	0.001
3022	19:00	0	3023	4:00	0.001
3022	19:05	0	3023	4:05	0.001
3022	19:10	0	3023	4:10	0.001
3022	19:15	0	3023	4:15	0.001
3022	19:20	0	3023	4:20	0.001
3022	19:25	0	3023	4:25	0.001
3022	19:30	0	3023	4:30	0.001
3022	19:35	0	3023	4:35	0.001
3022	19:40	0	3023	4:40	0.001
3022	19:45	0	3023	4:45	0.001
3022	19:50	0	3023	4:50	0.001
3022	19:55	0	3023	4:55	0.001
3022	20:00	0	3023	5:00	0
3022	20:05	0	3023	5:05	0
3022	20:10	0	3023	5:10	0
3022	20:15	0	3023	5:15	0
3022	20:20	0	3023	5:20	0
3022	20:25	0	3023	5:25	0
3022	20:30	0	3023	5:30	0
3022	20:35	0	3023	5:35	0
3022	20:40	0	3023	5:40	0
3022	20:45	0	3023	5:45	0
3022	20:50	0	3023	5:50	0
3022	20:55	0	3023	5:55	0
3022	21:00	0	3023	6:00	0
3022	21:05	0	3023	6:05	0
3022	21:10	0	3023	6:10	0
3022	21:15	0	3023	6:15	0
3022	21:20	0	3023	6:20	0
3022	21:25	0	3023	6:25	0
3022	21:30	0	3023	6:30	0
3022	21:35	0	3023	6:35	0
3022	21:40	0	3023	6:40	0
3022	21:45	0	3023	6:45	0
3022	21:50	0	3023	6:50	0
3022	21:55	0	3023	6:55	0
3022	22:00	0	3023	7:00	0
3022	22:05	0	3023	7:05	0
3022	22:10	0	3023	7:10	0
3022	22:15	0	3023	7:15	0
3022	22:20	0	3023	7:20	0
3022	22:25	0	3023	7:25	0
3022	22:30	0	3023	7:30	0
3022	22:35	0	3023	7:35	0
3022	22:40	0	3023	7:40	0
3022	22:45	0	3023	7:45	0
3022	22:50	0	3023	7:50	0
3022	22:55	0	3023	7:55	0
3022	23:00	0	3023	8:00	0
3022	23:05	0	3023	8:05	0
3022	23:10	0	3023	8:10	0
3022	23:15	0	3023	8:15	0
3022	23:20	0	3023	8:20	0
3022	23:25	0	3023	8:25	0
3022	23:30	0	3023	8:30	0
3022	23:35	0	3023	8:35	0
3022	23:40	0	3023	8:40	0
3022	23:45	0	3023	8:45	0
3022	23:50	0	3023	8:50	0
3022	23:55	0	3023	8:55	0
			3023	9:00	0
3023	0:00	0	3023	9:05	0
3023	0:05	0	3023	9:10	0
3023	0:10	0	3023	9:15	0
3023	0:15	0	3023	9:20	0
3023	0:20	0	3023	9:25	0
3023	0:25	0.001	3023	9:30	0
3023	0:30	0.002	3023	9:35	0
3023	0:35	0.005	3023	9:40	0
3023	0:40	0.008	3023	9:45	0
3023	0:45	0.014	3023	9:50	0
3023	0:50	0.021	3023	9:55	0
3023	0:55	0.021	3023	10:00	0
3023	1:00	0.021	3023	10:05	0
3023	1:05	0.021	3023	10:10	0
3023	1:10	0.021	3023	10:15	0
3023	1:15	0.021	3023	10:20	0
3023	1:20	0.021	3023	10:25	0
3023	1:25	0.018	3023	10:30	0
3023	1:30	0.012	3023	10:35	0
3023	1:35	0.009	3023	10:40	0
3023	1:40	0.008	3023	10:45	0
3023	1:45	0.007	3023	10:50	0
3023	1:50	0.006	3023	10:55	0
3023	1:55	0.005	3023	11:00	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data – 2011 Subdivision

Design Storm: 100 Year 3-hour Chicago Storm

3023	11:05	0	3023	20:10	0
3023	11:10	0	3023	20:15	0
3023	11:15	0	3023	20:20	0
3023	11:20	0	3023	20:25	0
3023	11:25	0	3023	20:30	0
3023	11:30	0	3023	20:35	0
3023	11:35	0	3023	20:40	0
3023	11:40	0	3023	20:45	0
3023	11:45	0	3023	20:50	0
3023	11:50	0	3023	20:55	0
3023	11:55	0	3023	21:00	0
3023	12:00	0	3023	21:05	0
3023	12:05	0	3023	21:10	0
3023	12:10	0	3023	21:15	0
3023	12:15	0	3023	21:20	0
3023	12:20	0	3023	21:25	0
3023	12:25	0	3023	21:30	0
3023	12:30	0	3023	21:35	0
3023	12:35	0	3023	21:40	0
3023	12:40	0	3023	21:45	0
3023	12:45	0	3023	21:50	0
3023	12:50	0	3023	21:55	0
3023	12:55	0	3023	22:00	0
3023	13:00	0	3023	22:05	0
3023	13:05	0	3023	22:10	0
3023	13:10	0	3023	22:15	0
3023	13:15	0	3023	22:20	0
3023	13:20	0	3023	22:25	0
3023	13:25	0	3023	22:30	0
3023	13:30	0	3023	22:35	0
3023	13:35	0	3023	22:40	0
3023	13:40	0	3023	22:45	0
3023	13:45	0	3023	22:50	0
3023	13:50	0	3023	22:55	0
3023	13:55	0	3023	23:00	0
3023	14:00	0	3023	23:05	0
3023	14:05	0	3023	23:10	0
3023	14:10	0	3023	23:15	0
3023	14:15	0	3023	23:20	0
3023	14:20	0	3023	23:25	0
3023	14:25	0	3023	23:30	0
3023	14:30	0	3023	23:35	0
3023	14:35	0	3023	23:40	0
3023	14:40	0	3023	23:45	0
3023	14:45	0	3023	23:50	0
3023	14:50	0	3023	23:55	0
3023	14:55	0			
3023	15:00	0	3024	0:00	0
3023	15:05	0	3024	0:05	0
3023	15:10	0	3024	0:10	0
3023	15:15	0	3024	0:15	0
3023	15:20	0	3024	0:20	0
3023	15:25	0	3024	0:25	0
3023	15:30	0	3024	0:30	0.001
3023	15:35	0	3024	0:35	0.002
3023	15:40	0	3024	0:40	0.002
3023	15:45	0	3024	0:45	0.005
3023	15:50	0	3024	0:50	0.002
3023	15:55	0	3024	0:55	0.021
3023	16:00	0	3024	1:00	0.021
3023	16:05	0	3024	1:05	0.021
3023	16:10	0	3024	1:10	0.021
3023	16:15	0	3024	1:15	0.021
3023	16:20	0	3024	1:20	0.021
3023	16:25	0	3024	1:25	0.021
3023	16:30	0	3024	1:30	0.021
3023	16:35	0	3024	1:35	0.021
3023	16:40	0	3024	1:40	0.019
3023	16:45	0	3024	1:45	0.015
3023	16:50	0	3024	1:50	0.013
3023	16:55	0	3024	1:55	0.011
3023	17:00	0	3024	2:00	0.01
3023	17:05	0	3024	2:05	0.008
3023	17:10	0	3024	2:10	0.007
3023	17:15	0	3024	2:15	0.006
3023	17:20	0	3024	2:20	0.006
3023	17:25	0	3024	2:25	0.005
3023	17:30	0	3024	2:30	0.004
3023	17:35	0	3024	2:35	0.004
3023	17:40	0	3024	2:40	0.003
3023	17:45	0	3024	2:45	0.003
3023	17:50	0	3024	2:50	0.003
3023	17:55	0	3024	2:55	0.003
3023	18:00	0	3024	3:00	0.003
3023	18:05	0	3024	3:05	0.003
3023	18:10	0	3024	3:10	0.003
3023	18:15	0	3024	3:15	0.003
3023	18:20	0	3024	3:20	0.002
3023	18:25	0	3024	3:25	0.002
3023	18:30	0	3024	3:30	0.002
3023	18:35	0	3024	3:35	0.002
3023	18:40	0	3024	3:40	0.002
3023	18:45	0	3024	3:45	0.001
3023	18:50	0	3024	3:50	0.001
3023	18:55	0	3024	3:55	0.001
3023	19:00	0	3024	4:00	0.001
3023	19:05	0	3024	4:05	0.001
3023	19:10	0	3024	4:10	0.001
3023	19:15	0	3024	4:15	0.001
3023	19:20	0	3024	4:20	0.001
3023	19:25	0	3024	4:25	0.001
3023	19:30	0	3024	4:30	0.001
3023	19:35	0	3024	4:35	0.001
3023	19:40	0	3024	4:40	0.001
3023	19:45	0	3024	4:45	0.001
3023	19:50	0	3024	4:50	0.001
3023	19:55	0	3024	4:55	0.001
3023	20:00	0	3024	5:00	0.001
3023	20:05	0	3024	5:05	0.001

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data – 2011 Subdivision

Design Storm: 100 Year 3-hour Chicago Storm

3024	5:10	0.001	3024	14:15	0
3024	5:15	0.001	3024	14:20	0
3024	5:20	0.001	3024	14:25	0
3024	5:25	0.001	3024	14:30	0
3024	5:30	0.001	3024	14:35	0
3024	5:35	0.001	3024	14:40	0
3024	5:40	0.001	3024	14:45	0
3024	5:45	0.001	3024	14:50	0
3024	5:50	0.001	3024	14:55	0
3024	5:55	0.001	3024	15:00	0
3024	6:00	0.001	3024	15:05	0
3024	6:05	0.001	3024	15:10	0
3024	6:10	0.001	3024	15:15	0
3024	6:15	0.001	3024	15:20	0
3024	6:20	0.001	3024	15:25	0
3024	6:25	0.001	3024	15:30	0
3024	6:30	0.001	3024	15:35	0
3024	6:35	0.001	3024	15:40	0
3024	6:40	0.001	3024	15:45	0
3024	6:45	0.001	3024	15:50	0
3024	6:50	0.001	3024	15:55	0
3024	6:55	0.001	3024	16:00	0
3024	7:00	0	3024	16:05	0
3024	7:05	0	3024	16:10	0
3024	7:10	0	3024	16:15	0
3024	7:15	0	3024	16:20	0
3024	7:20	0	3024	16:25	0
3024	7:25	0	3024	16:30	0
3024	7:30	0	3024	16:35	0
3024	7:35	0	3024	16:40	0
3024	7:40	0	3024	16:45	0
3024	7:45	0	3024	16:50	0
3024	7:50	0	3024	16:55	0
3024	7:55	0	3024	17:00	0
3024	8:00	0	3024	17:05	0
3024	8:05	0	3024	17:10	0
3024	8:10	0	3024	17:15	0
3024	8:15	0	3024	17:20	0
3024	8:20	0	3024	17:25	0
3024	8:25	0	3024	17:30	0
3024	8:30	0	3024	17:35	0
3024	8:35	0	3024	17:40	0
3024	8:40	0	3024	17:45	0
3024	8:45	0	3024	17:50	0
3024	8:50	0	3024	17:55	0
3024	8:55	0	3024	18:00	0
3024	9:00	0	3024	18:05	0
3024	9:05	0	3024	18:10	0
3024	9:10	0	3024	18:15	0
3024	9:15	0	3024	18:20	0
3024	9:20	0	3024	18:25	0
3024	9:25	0	3024	18:30	0
3024	9:30	0	3024	18:35	0
3024	9:35	0	3024	18:40	0
3024	9:40	0	3024	18:45	0
3024	9:45	0	3024	18:50	0
3024	9:50	0	3024	18:55	0
3024	9:55	0	3024	19:00	0
3024	10:00	0	3024	19:05	0
3024	10:05	0	3024	19:10	0
3024	10:10	0	3024	19:15	0
3024	10:15	0	3024	19:20	0
3024	10:20	0	3024	19:25	0
3024	10:25	0	3024	19:30	0
3024	10:30	0	3024	19:35	0
3024	10:35	0	3024	19:40	0
3024	10:40	0	3024	19:45	0
3024	10:45	0	3024	19:50	0
3024	10:50	0	3024	19:55	0
3024	10:55	0	3024	20:00	0
3024	11:00	0	3024	20:05	0
3024	11:05	0	3024	20:10	0
3024	11:10	0	3024	20:15	0
3024	11:15	0	3024	20:20	0
3024	11:20	0	3024	20:25	0
3024	11:25	0	3024	20:30	0
3024	11:30	0	3024	20:35	0
3024	11:35	0	3024	20:40	0
3024	11:40	0	3024	20:45	0
3024	11:45	0	3024	20:50	0
3024	11:50	0	3024	20:55	0
3024	11:55	0	3024	21:00	0
3024	12:00	0	3024	21:05	0
3024	12:05	0	3024	21:10	0
3024	12:10	0	3024	21:15	0
3024	12:15	0	3024	21:20	0
3024	12:20	0	3024	21:25	0
3024	12:25	0	3024	21:30	0
3024	12:30	0	3024	21:35	0
3024	12:35	0	3024	21:40	0
3024	12:40	0	3024	21:45	0
3024	12:45	0	3024	21:50	0
3024	12:50	0	3024	21:55	0
3024	12:55	0	3024	22:00	0
3024	13:00	0	3024	22:05	0
3024	13:05	0	3024	22:10	0
3024	13:10	0	3024	22:15	0
3024	13:15	0	3024	22:20	0
3024	13:20	0	3024	22:25	0
3024	13:25	0	3024	22:30	0
3024	13:30	0	3024	22:35	0
3024	13:35	0	3024	22:40	0
3024	13:40	0	3024	22:45	0
3024	13:45	0	3024	22:50	0
3024	13:50	0	3024	22:55	0
3024	13:55	0	3024	23:00	0
3024	14:00	0	3024	23:05	0
3024	14:05	0	3024	23:10	0
3024	14:10	0	3024	23:15	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data – 2011 Subdivision

Design Storm: 100 Year 3-hour Chicago Storm

3024	23:20	0	3026	8:20	0
3024	23:25	0	3026	8:25	0
3024	23:30	0	3026	8:30	0
3024	23:35	0	3026	8:35	0
3024	23:40	0	3026	8:40	0
3024	23:45	0	3026	8:45	0
3024	23:50	0	3026	8:50	0
3024	23:55	0	3026	8:55	0
			3026	9:00	0
3026	0:00	0	3026	9:05	0
3026	0:05	0	3026	9:10	0
3026	0:10	0	3026	9:15	0
3026	0:15	0	3026	9:20	0
3026	0:20	0	3026	9:25	0
3026	0:25	0	3026	9:30	0
3026	0:30	0.001	3026	9:35	0
3026	0:35	0.003	3026	9:40	0
3026	0:40	0.005	3026	9:45	0
3026	0:45	0.009	3026	9:50	0
3026	0:50	0.02	3026	9:55	0
3026	0:55	0.042	3026	10:00	0
3026	1:00	0.042	3026	10:05	0
3026	1:05	0.042	3026	10:10	0
3026	1:10	0.041	3026	10:15	0
3026	1:15	0.036	3026	10:20	0
3026	1:20	0.032	3026	10:25	0
3026	1:25	0.03	3026	10:30	0
3026	1:30	0.027	3026	10:35	0
3026	1:35	0.024	3026	10:40	0
3026	1:40	0.022	3026	10:45	0
3026	1:45	0.019	3026	10:50	0
3026	1:50	0.017	3026	10:55	0
3026	1:55	0.015	3026	11:00	0
3026	2:00	0.014	3026	11:05	0
3026	2:05	0.012	3026	11:10	0
3026	2:10	0.011	3026	11:15	0
3026	2:15	0.01	3026	11:20	0
3026	2:20	0.009	3026	11:25	0
3026	2:25	0.008	3026	11:30	0
3026	2:30	0.007	3026	11:35	0
3026	2:35	0.007	3026	11:40	0
3026	2:40	0.006	3026	11:45	0
3026	2:45	0.006	3026	11:50	0
3026	2:50	0.005	3026	11:55	0
3026	2:55	0.005	3026	12:00	0
3026	3:00	0.005	3026	12:05	0
3026	3:05	0.005	3026	12:10	0
3026	3:10	0.004	3026	12:15	0
3026	3:15	0.004	3026	12:20	0
3026	3:20	0.004	3026	12:25	0
3026	3:25	0.003	3026	12:30	0
3026	3:30	0.003	3026	12:35	0
3026	3:35	0.003	3026	12:40	0
3026	3:40	0.003	3026	12:45	0
3026	3:45	0.002	3026	12:50	0
3026	3:50	0.002	3026	12:55	0
3026	3:55	0.002	3026	13:00	0
3026	4:00	0.002	3026	13:05	0
3026	4:05	0.002	3026	13:10	0
3026	4:10	0.002	3026	13:15	0
3026	4:15	0.002	3026	13:20	0
3026	4:20	0.002	3026	13:25	0
3026	4:25	0.001	3026	13:30	0
3026	4:30	0.001	3026	13:35	0
3026	4:35	0.001	3026	13:40	0
3026	4:40	0.001	3026	13:45	0
3026	4:45	0.001	3026	13:50	0
3026	4:50	0.001	3026	13:55	0
3026	4:55	0.001	3026	14:00	0
3026	5:00	0.001	3026	14:05	0
3026	5:05	0.001	3026	14:10	0
3026	5:10	0.001	3026	14:15	0
3026	5:15	0.001	3026	14:20	0
3026	5:20	0.001	3026	14:25	0
3026	5:25	0.001	3026	14:30	0
3026	5:30	0.001	3026	14:35	0
3026	5:35	0.001	3026	14:40	0
3026	5:40	0.001	3026	14:45	0
3026	5:45	0.001	3026	14:50	0
3026	5:50	0.001	3026	14:55	0
3026	5:55	0.001	3026	15:00	0
3026	6:00	0.001	3026	15:05	0
3026	6:05	0.001	3026	15:10	0
3026	6:10	0.001	3026	15:15	0
3026	6:15	0.001	3026	15:20	0
3026	6:20	0.001	3026	15:25	0
3026	6:25	0.001	3026	15:30	0
3026	6:30	0.001	3026	15:35	0
3026	6:35	0.001	3026	15:40	0
3026	6:40	0.001	3026	15:45	0
3026	6:45	0.001	3026	15:50	0
3026	6:50	0.001	3026	15:55	0
3026	6:55	0.001	3026	16:00	0
3026	7:00	0.001	3026	16:05	0
3026	7:05	0.001	3026	16:10	0
3026	7:10	0.001	3026	16:15	0
3026	7:15	0.001	3026	16:20	0
3026	7:20	0.001	3026	16:25	0
3026	7:25	0.001	3026	16:30	0
3026	7:30	0.001	3026	16:35	0
3026	7:35	0.001	3026	16:40	0
3026	7:40	0.001	3026	16:45	0
3026	7:45	0.001	3026	16:50	0
3026	7:50	0.001	3026	16:55	0
3026	7:55	0.001	3026	17:00	0
3026	8:00	0	3026	17:05	0
3026	8:05	0	3026	17:10	0
3026	8:10	0	3026	17:15	0
3026	8:15	0	3026	17:20	0

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Design Storm: 100 Year 3-hour Chicago Storm

3026	17:25	0	3027	2:25	0.007
3026	17:30	0	3027	2:30	0.007
3026	17:35	0	3027	2:35	0.006
3026	17:40	0	3027	2:40	0.006
3026	17:45	0	3027	2:45	0.005
3026	17:50	0	3027	2:50	0.005
3026	17:55	0	3027	2:55	0.005
3026	18:00	0	3027	3:00	0.004
3026	18:05	0	3027	3:05	0.004
3026	18:10	0	3027	3:10	0.004
3026	18:15	0	3027	3:15	0.004
3026	18:20	0	3027	3:20	0.003
3026	18:25	0	3027	3:25	0.003
3026	18:30	0	3027	3:30	0.003
3026	18:35	0	3027	3:35	0.003
3026	18:40	0	3027	3:40	0.002
3026	18:45	0	3027	3:45	0.002
3026	18:50	0	3027	3:50	0.002
3026	18:55	0	3027	3:55	0.002
3026	19:00	0	3027	4:00	0.002
3026	19:05	0	3027	4:05	0.002
3026	19:10	0	3027	4:10	0.001
3026	19:15	0	3027	4:15	0.001
3026	19:20	0	3027	4:20	0.001
3026	19:25	0	3027	4:25	0.001
3026	19:30	0	3027	4:30	0.001
3026	19:35	0	3027	4:35	0.001
3026	19:40	0	3027	4:40	0.001
3026	19:45	0	3027	4:45	0.001
3026	19:50	0	3027	4:50	0.001
3026	19:55	0	3027	4:55	0.001
3026	20:00	0	3027	5:00	0.001
3026	20:05	0	3027	5:05	0.001
3026	20:10	0	3027	5:10	0.001
3026	20:15	0	3027	5:15	0.001
3026	20:20	0	3027	5:20	0.001
3026	20:25	0	3027	5:25	0.001
3026	20:30	0	3027	5:30	0.001
3026	20:35	0	3027	5:35	0.001
3026	20:40	0	3027	5:40	0.001
3026	20:45	0	3027	5:45	0.001
3026	20:50	0	3027	5:50	0.001
3026	20:55	0	3027	5:55	0.001
3026	21:00	0	3027	6:00	0.001
3026	21:05	0	3027	6:05	0.001
3026	21:10	0	3027	6:10	0.001
3026	21:15	0	3027	6:15	0
3026	21:20	0	3027	6:20	0
3026	21:25	0	3027	6:25	0
3026	21:30	0	3027	6:30	0
3026	21:35	0	3027	6:35	0
3026	21:40	0	3027	6:40	0
3026	21:45	0	3027	6:45	0
3026	21:50	0	3027	6:50	0
3026	21:55	0	3027	6:55	0
3026	22:00	0	3027	7:00	0
3026	22:05	0	3027	7:05	0
3026	22:10	0	3027	7:10	0
3026	22:15	0	3027	7:15	0
3026	22:20	0	3027	7:20	0
3026	22:25	0	3027	7:25	0
3026	22:30	0	3027	7:30	0
3026	22:35	0	3027	7:35	0
3026	22:40	0	3027	7:40	0
3026	22:45	0	3027	7:45	0
3026	22:50	0	3027	7:50	0
3026	22:55	0	3027	7:55	0
3026	23:00	0	3027	8:00	0
3026	23:05	0	3027	8:05	0
3026	23:10	0	3027	8:10	0
3026	23:15	0	3027	8:15	0
3026	23:20	0	3027	8:20	0
3026	23:25	0	3027	8:25	0
3026	23:30	0	3027	8:30	0
3026	23:35	0	3027	8:35	0
3026	23:40	0	3027	8:40	0
3026	23:45	0	3027	8:45	0
3026	23:50	0	3027	8:50	0
3026	23:55	0	3027	8:55	0
			3027	9:00	0
3027	0:00	0	3027	9:05	0
3027	0:05	0	3027	9:10	0
3027	0:10	0	3027	9:15	0
3027	0:15	0	3027	9:20	0
3027	0:20	0	3027	9:25	0
3027	0:25	0	3027	9:30	0
3027	0:30	0.001	3027	9:35	0
3027	0:35	0.002	3027	9:40	0
3027	0:40	0.003	3027	9:45	0
3027	0:45	0.005	3027	9:50	0
3027	0:50	0.011	3027	9:55	0
3027	0:55	0.021	3027	10:00	0
3027	1:00	0.021	3027	10:05	0
3027	1:05	0.021	3027	10:10	0
3027	1:10	0.021	3027	10:15	0
3027	1:15	0.021	3027	10:20	0
3027	1:20	0.021	3027	10:25	0
3027	1:25	0.021	3027	10:30	0
3027	1:30	0.02	3027	10:35	0
3027	1:35	0.019	3027	10:40	0
3027	1:40	0.017	3027	10:45	0
3027	1:45	0.016	3027	10:50	0
3027	1:50	0.014	3027	10:55	0
3027	1:55	0.013	3027	11:00	0
3027	2:00	0.012	3027	11:05	0
3027	2:05	0.011	3027	11:10	0
3027	2:10	0.01	3027	11:15	0
3027	2:15	0.009	3027	11:20	0
3027	2:20	0.008	3027	11:25	0

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Design Storm: 100 Year 3-hour Chicago Storm

3027	11:30	0	3027	20:35	0
3027	11:35	0	3027	20:40	0
3027	11:40	0	3027	20:45	0
3027	11:45	0	3027	20:50	0
3027	11:50	0	3027	20:55	0
3027	11:55	0	3027	21:00	0
3027	12:00	0	3027	21:05	0
3027	12:05	0	3027	21:10	0
3027	12:10	0	3027	21:15	0
3027	12:15	0	3027	21:20	0
3027	12:20	0	3027	21:25	0
3027	12:25	0	3027	21:30	0
3027	12:30	0	3027	21:35	0
3027	12:35	0	3027	21:40	0
3027	12:40	0	3027	21:45	0
3027	12:45	0	3027	21:50	0
3027	12:50	0	3027	21:55	0
3027	12:55	0	3027	22:00	0
3027	13:00	0	3027	22:05	0
3027	13:05	0	3027	22:10	0
3027	13:10	0	3027	22:15	0
3027	13:15	0	3027	22:20	0
3027	13:20	0	3027	22:25	0
3027	13:25	0	3027	22:30	0
3027	13:30	0	3027	22:35	0
3027	13:35	0	3027	22:40	0
3027	13:40	0	3027	22:45	0
3027	13:45	0	3027	22:50	0
3027	13:50	0	3027	22:55	0
3027	13:55	0	3027	23:00	0
3027	14:00	0	3027	23:05	0
3027	14:05	0	3027	23:10	0
3027	14:10	0	3027	23:15	0
3027	14:15	0	3027	23:20	0
3027	14:20	0	3027	23:25	0
3027	14:25	0	3027	23:30	0
3027	14:30	0	3027	23:35	0
3027	14:35	0	3027	23:40	0
3027	14:40	0	3027	23:45	0
3027	14:45	0	3027	23:50	0
3027	14:50	0	3027	23:55	0
3027	14:55	0			
3027	15:00	0	3028	0:00	0
3027	15:05	0	3028	0:05	0
3027	15:10	0	3028	0:10	0
3027	15:15	0	3028	0:15	0
3027	15:20	0	3028	0:20	0.001
3027	15:25	0	3028	0:25	0.001
3027	15:30	0	3028	0:30	0.002
3027	15:35	0	3028	0:35	0.002
3027	15:40	0	3028	0:40	0.004
3027	15:45	0	3028	0:45	0.006
3027	15:50	0	3028	0:50	0.021
3027	15:55	0	3028	0:55	0.021
3027	16:00	0	3028	1:00	0.021
3027	16:05	0	3028	1:05	0.021
3027	16:10	0	3028	1:10	0.021
3027	16:15	0	3028	1:15	0.021
3027	16:20	0	3028	1:20	0.019
3027	16:25	0	3028	1:25	0.011
3027	16:30	0	3028	1:30	0.005
3027	16:35	0	3028	1:35	0.004
3027	16:40	0	3028	1:40	0.003
3027	16:45	0	3028	1:45	0.002
3027	16:50	0	3028	1:50	0.002
3027	16:55	0	3028	1:55	0.002
3027	17:00	0	3028	2:00	0.002
3027	17:05	0	3028	2:05	0.001
3027	17:10	0	3028	2:10	0.001
3027	17:15	0	3028	2:15	0.001
3027	17:20	0	3028	2:20	0.001
3027	17:25	0	3028	2:25	0.001
3027	17:30	0	3028	2:30	0.001
3027	17:35	0	3028	2:35	0.001
3027	17:40	0	3028	2:40	0.001
3027	17:45	0	3028	2:45	0.001
3027	17:50	0	3028	2:50	0.001
3027	17:55	0	3028	2:55	0.001
3027	18:00	0	3028	3:00	0.001
3027	18:05	0	3028	3:05	0
3027	18:10	0	3028	3:10	0
3027	18:15	0	3028	3:15	0
3027	18:20	0	3028	3:20	0
3027	18:25	0	3028	3:25	0
3027	18:30	0	3028	3:30	0
3027	18:35	0	3028	3:35	0
3027	18:40	0	3028	3:40	0
3027	18:45	0	3028	3:45	0
3027	18:50	0	3028	3:50	0
3027	18:55	0	3028	3:55	0
3027	19:00	0	3028	4:00	0
3027	19:05	0	3028	4:05	0
3027	19:10	0	3028	4:10	0
3027	19:15	0	3028	4:15	0
3027	19:20	0	3028	4:20	0
3027	19:25	0	3028	4:25	0
3027	19:30	0	3028	4:30	0
3027	19:35	0	3028	4:35	0
3027	19:40	0	3028	4:40	0
3027	19:45	0	3028	4:45	0
3027	19:50	0	3028	4:50	0
3027	19:55	0	3028	4:55	0
3027	20:00	0	3028	5:00	0
3027	20:05	0	3028	5:05	0
3027	20:10	0	3028	5:10	0
3027	20:15	0	3028	5:15	0
3027	20:20	0	3028	5:20	0
3027	20:25	0	3028	5:25	0
3027	20:30	0	3028	5:30	0

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Design Storm: 100 Year 3-hour Chicago Storm

3028	5:35	0	3028	14:40	0
3028	5:40	0	3028	14:45	0
3028	5:45	0	3028	14:50	0
3028	5:50	0	3028	14:55	0
3028	5:55	0	3028	15:00	0
3028	6:00	0	3028	15:05	0
3028	6:05	0	3028	15:10	0
3028	6:10	0	3028	15:15	0
3028	6:15	0	3028	15:20	0
3028	6:20	0	3028	15:25	0
3028	6:25	0	3028	15:30	0
3028	6:30	0	3028	15:35	0
3028	6:35	0	3028	15:40	0
3028	6:40	0	3028	15:45	0
3028	6:45	0	3028	15:50	0
3028	6:50	0	3028	15:55	0
3028	6:55	0	3028	16:00	0
3028	7:00	0	3028	16:05	0
3028	7:05	0	3028	16:10	0
3028	7:10	0	3028	16:15	0
3028	7:15	0	3028	16:20	0
3028	7:20	0	3028	16:25	0
3028	7:25	0	3028	16:30	0
3028	7:30	0	3028	16:35	0
3028	7:35	0	3028	16:40	0
3028	7:40	0	3028	16:45	0
3028	7:45	0	3028	16:50	0
3028	7:50	0	3028	16:55	0
3028	7:55	0	3028	17:00	0
3028	8:00	0	3028	17:05	0
3028	8:05	0	3028	17:10	0
3028	8:10	0	3028	17:15	0
3028	8:15	0	3028	17:20	0
3028	8:20	0	3028	17:25	0
3028	8:25	0	3028	17:30	0
3028	8:30	0	3028	17:35	0
3028	8:35	0	3028	17:40	0
3028	8:40	0	3028	17:45	0
3028	8:45	0	3028	17:50	0
3028	8:50	0	3028	17:55	0
3028	8:55	0	3028	18:00	0
3028	9:00	0	3028	18:05	0
3028	9:05	0	3028	18:10	0
3028	9:10	0	3028	18:15	0
3028	9:15	0	3028	18:20	0
3028	9:20	0	3028	18:25	0
3028	9:25	0	3028	18:30	0
3028	9:30	0	3028	18:35	0
3028	9:35	0	3028	18:40	0
3028	9:40	0	3028	18:45	0
3028	9:45	0	3028	18:50	0
3028	9:50	0	3028	18:55	0
3028	9:55	0	3028	19:00	0
3028	10:00	0	3028	19:05	0
3028	10:05	0	3028	19:10	0
3028	10:10	0	3028	19:15	0
3028	10:15	0	3028	19:20	0
3028	10:20	0	3028	19:25	0
3028	10:25	0	3028	19:30	0
3028	10:30	0	3028	19:35	0
3028	10:35	0	3028	19:40	0
3028	10:40	0	3028	19:45	0
3028	10:45	0	3028	19:50	0
3028	10:50	0	3028	19:55	0
3028	10:55	0	3028	20:00	0
3028	11:00	0	3028	20:05	0
3028	11:05	0	3028	20:10	0
3028	11:10	0	3028	20:15	0
3028	11:15	0	3028	20:20	0
3028	11:20	0	3028	20:25	0
3028	11:25	0	3028	20:30	0
3028	11:30	0	3028	20:35	0
3028	11:35	0	3028	20:40	0
3028	11:40	0	3028	20:45	0
3028	11:45	0	3028	20:50	0
3028	11:50	0	3028	20:55	0
3028	11:55	0	3028	21:00	0
3028	12:00	0	3028	21:05	0
3028	12:05	0	3028	21:10	0
3028	12:10	0	3028	21:15	0
3028	12:15	0	3028	21:20	0
3028	12:20	0	3028	21:25	0
3028	12:25	0	3028	21:30	0
3028	12:30	0	3028	21:35	0
3028	12:35	0	3028	21:40	0
3028	12:40	0	3028	21:45	0
3028	12:45	0	3028	21:50	0
3028	12:50	0	3028	21:55	0
3028	12:55	0	3028	22:00	0
3028	13:00	0	3028	22:05	0
3028	13:05	0	3028	22:10	0
3028	13:10	0	3028	22:15	0
3028	13:15	0	3028	22:20	0
3028	13:20	0	3028	22:25	0
3028	13:25	0	3028	22:30	0
3028	13:30	0	3028	22:35	0
3028	13:35	0	3028	22:40	0
3028	13:40	0	3028	22:45	0
3028	13:45	0	3028	22:50	0
3028	13:50	0	3028	22:55	0
3028	13:55	0	3028	23:00	0
3028	14:00	0	3028	23:05	0
3028	14:05	0	3028	23:10	0
3028	14:10	0	3028	23:15	0
3028	14:15	0	3028	23:20	0
3028	14:20	0	3028	23:25	0
3028	14:25	0	3028	23:30	0
3028	14:30	0	3028	23:35	0
3028	14:35	0	3028	23:40	0

Design Storm: 100 Year 3-hour Chicago Storm

3028	23:45	0	3029	8:45	0
3028	23:50	0	3029	8:50	0
3028	23:55	0	3029	8:55	0
			3029	9:00	0
3029	0:00	0	3029	9:05	0
3029	0:05	0	3029	9:10	0
3029	0:10	0	3029	9:15	0
3029	0:15	0	3029	9:20	0
3029	0:20	0.001	3029	9:25	0
3029	0:25	0.002	3029	9:30	0
3029	0:30	0.003	3029	9:35	0
3029	0:35	0.006	3029	9:40	0
3029	0:40	0.01	3029	9:45	0
3029	0:45	0.017	3029	9:50	0
3029	0:50	0.045	3029	9:55	0
3029	0:55	0.064	3029	10:00	0
3029	1:00	0.064	3029	10:05	0
3029	1:05	0.064	3029	10:10	0
3029	1:10	0.064	3029	10:15	0
3029	1:15	0.063	3029	10:20	0
3029	1:20	0.06	3029	10:25	0
3029	1:25	0.056	3029	10:30	0
3029	1:30	0.052	3029	10:35	0
3029	1:35	0.046	3029	10:40	0
3029	1:40	0.037	3029	10:45	0
3029	1:45	0.029	3029	10:50	0
3029	1:50	0.023	3029	10:55	0
3029	1:55	0.019	3029	11:00	0
3029	2:00	0.017	3029	11:05	0
3029	2:05	0.014	3029	11:10	0
3029	2:10	0.013	3029	11:15	0
3029	2:15	0.012	3029	11:20	0
3029	2:20	0.011	3029	11:25	0
3029	2:25	0.01	3029	11:30	0
3029	2:30	0.009	3029	11:35	0
3029	2:35	0.008	3029	11:40	0
3029	2:40	0.008	3029	11:45	0
3029	2:45	0.007	3029	11:50	0
3029	2:50	0.007	3029	11:55	0
3029	2:55	0.007	3029	12:00	0
3029	3:00	0.006	3029	12:05	0
3029	3:05	0.006	3029	12:10	0
3029	3:10	0.005	3029	12:15	0
3029	3:15	0.005	3029	12:20	0
3029	3:20	0.004	3029	12:25	0
3029	3:25	0.004	3029	12:30	0
3029	3:30	0.003	3029	12:35	0
3029	3:35	0.003	3029	12:40	0
3029	3:40	0.003	3029	12:45	0
3029	3:45	0.003	3029	12:50	0
3029	3:50	0.002	3029	12:55	0
3029	3:55	0.002	3029	13:00	0
3029	4:00	0.002	3029	13:05	0
3029	4:05	0.002	3029	13:10	0
3029	4:10	0.002	3029	13:15	0
3029	4:15	0.002	3029	13:20	0
3029	4:20	0.002	3029	13:25	0
3029	4:25	0.001	3029	13:30	0
3029	4:30	0.001	3029	13:35	0
3029	4:35	0.001	3029	13:40	0
3029	4:40	0.001	3029	13:45	0
3029	4:45	0.001	3029	13:50	0
3029	4:50	0.001	3029	13:55	0
3029	4:55	0.001	3029	14:00	0
3029	5:00	0.001	3029	14:05	0
3029	5:05	0.001	3029	14:10	0
3029	5:10	0.001	3029	14:15	0
3029	5:15	0.001	3029	14:20	0
3029	5:20	0.001	3029	14:25	0
3029	5:25	0.001	3029	14:30	0
3029	5:30	0.001	3029	14:35	0
3029	5:35	0.001	3029	14:40	0
3029	5:40	0.001	3029	14:45	0
3029	5:45	0.001	3029	14:50	0
3029	5:50	0.001	3029	14:55	0
3029	5:55	0.001	3029	15:00	0
3029	6:00	0.001	3029	15:05	0
3029	6:05	0.001	3029	15:10	0
3029	6:10	0.001	3029	15:15	0
3029	6:15	0.001	3029	15:20	0
3029	6:20	0.001	3029	15:25	0
3029	6:25	0.001	3029	15:30	0
3029	6:30	0.001	3029	15:35	0
3029	6:35	0.001	3029	15:40	0
3029	6:40	0.001	3029	15:45	0
3029	6:45	0.001	3029	15:50	0
3029	6:50	0.001	3029	15:55	0
3029	6:55	0.001	3029	16:00	0
3029	7:00	0.001	3029	16:05	0
3029	7:05	0.001	3029	16:10	0
3029	7:10	0.001	3029	16:15	0
3029	7:15	0.001	3029	16:20	0
3029	7:20	0.001	3029	16:25	0
3029	7:25	0.001	3029	16:30	0
3029	7:30	0	3029	16:35	0
3029	7:35	0	3029	16:40	0
3029	7:40	0	3029	16:45	0
3029	7:45	0	3029	16:50	0
3029	7:50	0	3029	16:55	0
3029	7:55	0	3029	17:00	0
3029	8:00	0	3029	17:05	0
3029	8:05	0	3029	17:10	0
3029	8:10	0	3029	17:15	0
3029	8:15	0	3029	17:20	0
3029	8:20	0	3029	17:25	0
3029	8:25	0	3029	17:30	0
3029	8:30	0	3029	17:35	0
3029	8:35	0	3029	17:40	0
3029	8:40	0	3029	17:45	0

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data – 2011 Subdivision

Design Storm: 100 Year 3-hour Chicago Storm

3029	17:50	0
3029	17:55	0
3029	18:00	0
3029	18:05	0
3029	18:10	0
3029	18:15	0
3029	18:20	0
3029	18:25	0
3029	18:30	0
3029	18:35	0
3029	18:40	0
3029	18:45	0
3029	18:50	0
3029	18:55	0
3029	19:00	0
3029	19:05	0
3029	19:10	0
3029	19:15	0
3029	19:20	0
3029	19:25	0
3029	19:30	0
3029	19:35	0
3029	19:40	0
3029	19:45	0
3029	19:50	0
3029	19:55	0
3029	20:00	0
3029	20:05	0
3029	20:10	0
3029	20:15	0
3029	20:20	0
3029	20:25	0
3029	20:30	0
3029	20:35	0
3029	20:40	0
3029	20:45	0
3029	20:50	0
3029	20:55	0
3029	21:00	0
3029	21:05	0
3029	21:10	0
3029	21:15	0
3029	21:20	0
3029	21:25	0
3029	21:30	0
3029	21:35	0
3029	21:40	0
3029	21:45	0
3029	21:50	0
3029	21:55	0
3029	22:00	0
3029	22:05	0
3029	22:10	0
3029	22:15	0
3029	22:20	0
3029	22:25	0
3029	22:30	0
3029	22:35	0
3029	22:40	0
3029	22:45	0
3029	22:50	0
3029	22:55	0
3029	23:00	0
3029	23:05	0
3029	23:10	0
3029	23:15	0
3029	23:20	0
3029	23:25	0
3029	23:30	0
3029	23:35	0
3029	23:40	0
3029	23:45	0
3029	23:50	0
3029	23:55	0
August4_1988	0:00	0
August4_1988	0:05	0.1
August4_1988	0:10	0.1
August4_1988	0:15	0
August4_1988	0:20	3.7
August4_1988	0:25	6.2
August4_1988	0:30	101.5
August4_1988	0:35	15.5
August4_1988	0:40	29.3
August4_1988	0:45	19.8
August4_1988	0:50	1.5
August4_1988	0:55	1.7
August4_1988	1:00	5.4
August4_1988	1:05	24.6
August4_1988	1:10	26.5
August4_1988	1:15	34.9
August4_1988	1:20	10.2
August4_1988	1:25	27.1
August4_1988	1:30	104.4
August4_1988	1:35	27.5
August4_1988	1:40	62.5
August4_1988	1:45	31.8
August4_1988	1:50	79.8
August4_1988	1:55	67.5
August4_1988	2:00	156.2
August4_1988	2:05	5.1
August4_1988	2:10	0.2
August4_1988	2:15	0.2
August4_1988	2:20	0.2
August4_1988	2:25	0.2
August4_1988	2:30	0.2
August4_1988	2:35	0.2
August4_1988	2:40	0.2
August4_1988	2:45	0.2
August4_1988	2:50	0.2
August4_1988	2:55	0.2
August4_1988	3:00	12.8
August4_1988	3:05	14
August4_1988	3:10	22.2
August4_1988	3:15	21.8
August4_1988	3:20	1.4
August4_1988	3:25	0.2
August4_1988	3:30	0.2
August4_1988	3:35	0.2
August4_1988	3:40	0.2
August4_1988	3:45	0.2
August4_1988	3:50	0.2
August4_1988	3:55	0.2
August4_1988	4:00	0.2
August4_1988	4:05	0.2
August4_1988	4:10	0.2
August4_1988	4:15	0.2
August4_1988	4:20	0.2
August4_1988	4:25	0.2
August4_1988	4:30	0.2
August4_1988	4:35	0.2
August4_1988	4:40	0.2
August4_1988	4:45	0.2
August4_1988	4:50	0.2
August4_1988	4:55	0.2
August4_1988	5:00	2.9
August4_1988	5:05	7.8
August4_1988	5:10	10
August4_1988	5:15	6.3
August4_1988	5:20	5.1
August4_1988	5:25	9.8
August4_1988	5:30	2.6
August4_1988	5:35	1.7
August8_1996	0:00	4
August8_1996	0:05	11.9
August8_1996	0:10	26.5
August8_1996	0:15	13.3
August8_1996	0:20	0
August8_1996	0:25	2.7
August8_1996	0:30	0
August8_1996	0:35	8
August8_1996	0:40	18.6
August8_1996	0:45	10.6
August8_1996	0:50	21.2
August8_1996	0:55	2.7
August8_1996	1:00	2.7
August8_1996	1:05	15.9
August8_1996	1:10	66.3
August8_1996	1:15	55.7
August8_1996	1:20	122
August8_1996	1:25	88.9
August8_1996	1:30	9.63
August8_1996	1:35	8
August8_1996	1:40	4
August8_1996	1:45	0
August8_1996	1:50	2.7
August8_1996	1:55	0
August8_1996	2:00	0
August8_1996	2:05	0
August8_1996	2:10	5.3
August8_1996	2:15	0
August8_1996	2:20	0
August8_1996	2:25	0
August8_1996	2:30	0
August8_1996	2:35	0
August8_1996	2:40	0
August8_1996	2:45	4
August8_1996	2:50	53.1
August8_1996	2:55	69
August8_1996	3:00	63.7
August8_1996	3:05	58.4
August8_1996	3:10	47.8
August8_1996	3:15	15.9
August8_1996	3:20	13.3
August8_1996	3:25	8
August8_1996	3:30	5.3
August8_1996	3:35	6.6
August8_1996	3:40	2.7
August8_1996	3:45	4
August8_1996	3:50	2.7
August8_1996	3:55	4
August8_1996	4:00	2.7
August8_1996	4:05	5.3
August8_1996	4:10	4
August8_1996	4:15	2.7
August8_1996	4:20	4
August8_1996	4:25	2.7
August8_1996	4:30	1.3
August8_1996	4:35	1.3
August8_1996	4:40	0
August8_1996	4:45	0
August8_1996	4:50	0
August8_1996	4:55	0
August8_1996	5:00	2.7
August8_1996	5:05	0
August8_1996	5:10	0
August8_1996	5:15	0
August8_1996	5:20	0
August8_1996	5:25	0
August8_1996	5:30	0
August8_1996	5:35	0
August8_1996	5:40	1.3
Chicago_100yr_3h	0:00	0
Chicago_100yr_3h	0:10	6.05
Chicago_100yr_3h	0:20	7.54
Chicago_100yr_3h	0:30	10.16

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data – 2011 Subdivision

Design Storm: 100 Year 3-hour Chicago Storm

Chicago_100yr_3h	0:40	15.97
Chicago_100yr_3h	0:50	40.65
Chicago_100yr_3h	1:00	178.56
Chicago_100yr_3h	1:10	54.05
Chicago_100yr_3h	1:20	27.32
Chicago_100yr_3h	1:30	18.24
Chicago_100yr_3h	1:40	13.74
Chicago_100yr_3h	1:50	11.06
Chicago_100yr_3h	2:00	9.29
Chicago_100yr_3h	2:10	8.02
Chicago_100yr_3h	2:20	7.08
Chicago_100yr_3h	2:30	6.35
Chicago_100yr_3h	2:40	5.76
Chicago_100yr_3h	2:50	5.28
Chicago_100yr_3h	3:00	4.88

Chicago_100yr+20%_3h	0:00	0
Chicago_100yr+20%_3h	0:10	7.26
Chicago_100yr+20%_3h	0:20	9.048
Chicago_100yr+20%_3h	0:30	12.192
Chicago_100yr+20%_3h	0:40	19.164
Chicago_100yr+20%_3h	0:50	48.78
Chicago_100yr+20%_3h	1:00	214.272
Chicago_100yr+20%_3h	1:10	64.86
Chicago_100yr+20%_3h	1:20	32.784
Chicago_100yr+20%_3h	1:30	21.888
Chicago_100yr+20%_3h	1:40	16.488
Chicago_100yr+20%_3h	1:50	13.272
Chicago_100yr+20%_3h	2:00	11.148
Chicago_100yr+20%_3h	2:10	9.624
Chicago_100yr+20%_3h	2:20	8.496
Chicago_100yr+20%_3h	2:30	7.62
Chicago_100yr+20%_3h	2:40	6.912
Chicago_100yr+20%_3h	2:50	6.336
Chicago_100yr+20%_3h	3:00	5.856

Chicago_2yr_3h	0:00	0
Chicago_2yr_3h	0:10	2.81
Chicago_2yr_3h	0:20	3.5
Chicago_2yr_3h	0:30	4.69
Chicago_2yr_3h	0:40	7.3
Chicago_2yr_3h	0:50	18.21
Chicago_2yr_3h	1:00	76.81
Chicago_2yr_3h	1:10	24.08
Chicago_2yr_3h	1:20	12.36
Chicago_2yr_3h	1:30	8.32
Chicago_2yr_3h	1:40	6.3
Chicago_2yr_3h	1:50	5.09
Chicago_2yr_3h	2:00	4.29
Chicago_2yr_3h	2:10	3.72
Chicago_2yr_3h	2:20	3.29
Chicago_2yr_3h	2:30	2.95
Chicago_2yr_3h	2:40	2.68
Chicago_2yr_3h	2:50	2.46
Chicago_2yr_3h	3:00	2.28

Chicago_5yr_3h	0:00	0
Chicago_5yr_3h	0:10	3.68
Chicago_5yr_3h	0:20	4.58
Chicago_5yr_3h	0:30	6.15
Chicago_5yr_3h	0:40	9.61
Chicago_5yr_3h	0:50	24.17
Chicago_5yr_3h	1:00	104.19
Chicago_5yr_3h	1:10	32.04
Chicago_5yr_3h	1:20	16.34
Chicago_5yr_3h	1:30	10.96
Chicago_5yr_3h	1:40	8.29
Chicago_5yr_3h	1:50	6.69
Chicago_5yr_3h	2:00	5.63
Chicago_5yr_3h	2:10	4.87
Chicago_5yr_3h	2:20	4.3
Chicago_5yr_3h	2:30	3.86
Chicago_5yr_3h	2:40	3.51
Chicago_5yr_3h	2:50	3.22
Chicago_5yr_3h	3:00	2.98

July1_1979	0:00	0
July1_1979	0:05	2.3
July1_1979	0:10	2.3
July1_1979	0:15	8.89
July1_1979	0:20	8.89
July1_1979	0:25	8.89
July1_1979	0:30	8.89
July1_1979	0:35	38.1
July1_1979	0:40	38.1
July1_1979	0:45	38.1
July1_1979	0:50	38.1
July1_1979	0:55	38.1
July1_1979	1:00	38.1
July1_1979	1:05	38.1
July1_1979	1:10	50.8
July1_1979	1:15	50.8
July1_1979	1:20	76.2
July1_1979	1:25	106.7
July1_1979	1:30	106.7
July1_1979	1:35	71.1
July1_1979	1:40	71.1
July1_1979	1:45	30.5
July1_1979	1:50	30.5
July1_1979	1:55	30.5
July1_1979	2:00	30.5
July1_1979	2:05	3.8
July1_1979	2:10	3.8
July1_1979	2:15	3.8
July1_1979	2:20	3.8
July1_1979	2:25	3.8
July1_1979	2:30	3.8
July1_1979	2:35	3.8
July1_1979	2:40	3.8
July1_1979	2:45	3.8
July1_1979	2:50	3.8
July1_1979	2:55	3.8
July1_1979	3:00	3.8

SCS_Type_II_100yr_103.2mm	0:00	1.17
SCS_Type_II_100yr_103.2mm	0:10	1.17
SCS_Type_II_100yr_103.2mm	0:20	1.17
SCS_Type_II_100yr_103.2mm	0:30	1.17
SCS_Type_II_100yr_103.2mm	0:40	1.17
SCS_Type_II_100yr_103.2mm	0:50	1.17
SCS_Type_II_100yr_103.2mm	1:00	1.17
SCS_Type_II_100yr_103.2mm	1:10	1.17
SCS_Type_II_100yr_103.2mm	1:20	1.17
SCS_Type_II_100yr_103.2mm	1:30	1.17
SCS_Type_II_100yr_103.2mm	1:40	1.17
SCS_Type_II_100yr_103.2mm	1:50	1.17
SCS_Type_II_100yr_103.2mm	2:00	1.39
SCS_Type_II_100yr_103.2mm	2:10	1.39
SCS_Type_II_100yr_103.2mm	2:20	1.39
SCS_Type_II_100yr_103.2mm	2:30	1.39
SCS_Type_II_100yr_103.2mm	2:40	1.39
SCS_Type_II_100yr_103.2mm	2:50	1.39
SCS_Type_II_100yr_103.2mm	3:00	1.39
SCS_Type_II_100yr_103.2mm	3:10	1.39
SCS_Type_II_100yr_103.2mm	3:20	1.39
SCS_Type_II_100yr_103.2mm	3:30	1.39
SCS_Type_II_100yr_103.2mm	3:40	1.39
SCS_Type_II_100yr_103.2mm	3:50	1.39
SCS_Type_II_100yr_103.2mm	4:00	1.71
SCS_Type_II_100yr_103.2mm	4:10	1.71
SCS_Type_II_100yr_103.2mm	4:20	1.71
SCS_Type_II_100yr_103.2mm	4:30	1.71
SCS_Type_II_100yr_103.2mm	4:40	1.71
SCS_Type_II_100yr_103.2mm	4:50	1.71
SCS_Type_II_100yr_103.2mm	5:00	1.71
SCS_Type_II_100yr_103.2mm	5:10	1.71
SCS_Type_II_100yr_103.2mm	5:20	1.71
SCS_Type_II_100yr_103.2mm	5:30	1.71
SCS_Type_II_100yr_103.2mm	5:40	1.71
SCS_Type_II_100yr_103.2mm	5:50	1.71
SCS_Type_II_100yr_103.2mm	6:00	1.92
SCS_Type_II_100yr_103.2mm	6:10	1.92
SCS_Type_II_100yr_103.2mm	6:20	1.92
SCS_Type_II_100yr_103.2mm	6:30	1.92
SCS_Type_II_100yr_103.2mm	6:40	1.92
SCS_Type_II_100yr_103.2mm	6:50	1.92
SCS_Type_II_100yr_103.2mm	7:00	2.35
SCS_Type_II_100yr_103.2mm	7:10	2.35
SCS_Type_II_100yr_103.2mm	7:20	2.35
SCS_Type_II_100yr_103.2mm	7:30	2.35
SCS_Type_II_100yr_103.2mm	7:40	2.35
SCS_Type_II_100yr_103.2mm	7:50	2.35
SCS_Type_II_100yr_103.2mm	8:00	2.78
SCS_Type_II_100yr_103.2mm	8:10	2.78
SCS_Type_II_100yr_103.2mm	8:20	2.78
SCS_Type_II_100yr_103.2mm	8:30	2.99
SCS_Type_II_100yr_103.2mm	8:40	2.99
SCS_Type_II_100yr_103.2mm	8:50	2.99
SCS_Type_II_100yr_103.2mm	9:00	3.42
SCS_Type_II_100yr_103.2mm	9:10	3.42
SCS_Type_II_100yr_103.2mm	9:20	3.42
SCS_Type_II_100yr_103.2mm	9:30	3.84
SCS_Type_II_100yr_103.2mm	9:40	3.84
SCS_Type_II_100yr_103.2mm	9:50	3.84
SCS_Type_II_100yr_103.2mm	10:00	4.91
SCS_Type_II_100yr_103.2mm	10:10	4.91
SCS_Type_II_100yr_103.2mm	10:20	4.91
SCS_Type_II_100yr_103.2mm	10:30	6.62
SCS_Type_II_100yr_103.2mm	10:40	6.62
SCS_Type_II_100yr_103.2mm	10:50	6.62
SCS_Type_II_100yr_103.2mm	11:00	10.25
SCS_Type_II_100yr_103.2mm	11:10	10.25
SCS_Type_II_100yr_103.2mm	11:20	10.25
SCS_Type_II_100yr_103.2mm	11:30	31.6
SCS_Type_II_100yr_103.2mm	11:40	81.12
SCS_Type_II_100yr_103.2mm	11:50	130.65
SCS_Type_II_100yr_103.2mm	12:00	15.37
SCS_Type_II_100yr_103.2mm	12:10	15.37
SCS_Type_II_100yr_103.2mm	12:20	15.37
SCS_Type_II_100yr_103.2mm	12:30	7.9
SCS_Type_II_100yr_103.2mm	12:40	7.9
SCS_Type_II_100yr_103.2mm	12:50	7.9
SCS_Type_II_100yr_103.2mm	13:00	5.76
SCS_Type_II_100yr_103.2mm	13:10	5.76
SCS_Type_II_100yr_103.2mm	13:20	5.76
SCS_Type_II_100yr_103.2mm	13:30	4.48
SCS_Type_II_100yr_103.2mm	13:40	4.48
SCS_Type_II_100yr_103.2mm	13:50	4.48
SCS_Type_II_100yr_103.2mm	14:00	3.2
SCS_Type_II_100yr_103.2mm	14:10	3.2
SCS_Type_II_100yr_103.2mm	14:20	3.2
SCS_Type_II_100yr_103.2mm	14:30	3.2
SCS_Type_II_100yr_103.2mm	14:40	3.2
SCS_Type_II_100yr_103.2mm	14:50	3.2
SCS_Type_II_100yr_103.2mm	15:00	3.2
SCS_Type_II_100yr_103.2mm	15:10	3.2
SCS_Type_II_100yr_103.2mm	15:20	3.2
SCS_Type_II_100yr_103.2mm	15:30	3.2
SCS_Type_II_100yr_103.2mm	15:40	3.2
SCS_Type_II_100yr_103.2mm	15:50	3.2
SCS_Type_II_100yr_103.2mm	16:00	1.92
SCS_Type_II_100yr_103.2mm	16:10	1.92
SCS_Type_II_100yr_103.2mm	16:20	1.92
SCS_Type_II_100yr_103.2mm	16:30	1.92
SCS_Type_II_100yr_103.2mm	16:40	1.92
SCS_Type_II_100yr_103.2mm	16:50	1.92
SCS_Type_II_100yr_103.2mm	17:00	1.92
SCS_Type_II_100yr_103.2mm	17:10	1.92

Trails West: Akerson Road Blocks 76,77&78 – PCSWMM Input Data – 2011 Subdivision

Design Storm: 100 Year 3-hour Chicago Storm

```
SCS_Type_II_100yr_103.2mm           17:20     1.92
SCS_Type_II_100yr_103.2mm           17:30     1.92
SCS_Type_II_100yr_103.2mm           17:40     1.92
SCS_Type_II_100yr_103.2mm           17:50     1.92
SCS_Type_II_100yr_103.2mm           18:00     1.92
SCS_Type_II_100yr_103.2mm           18:10     1.92
SCS_Type_II_100yr_103.2mm           18:20     1.92
SCS_Type_II_100yr_103.2mm           18:30     1.92
SCS_Type_II_100yr_103.2mm           18:40     1.92
SCS_Type_II_100yr_103.2mm           18:50     1.92
SCS_Type_II_100yr_103.2mm           19:00     1.92
SCS_Type_II_100yr_103.2mm           19:10     1.92
SCS_Type_II_100yr_103.2mm           19:20     1.92
SCS_Type_II_100yr_103.2mm           19:30     1.92
SCS_Type_II_100yr_103.2mm           19:40     1.92
SCS_Type_II_100yr_103.2mm           19:50     1.92
SCS_Type_II_100yr_103.2mm           20:00     1.28
SCS_Type_II_100yr_103.2mm           20:10     1.28
SCS_Type_II_100yr_103.2mm           20:20     1.28
SCS_Type_II_100yr_103.2mm           20:30     1.28
SCS_Type_II_100yr_103.2mm           20:40     1.28
SCS_Type_II_100yr_103.2mm           20:50     1.28
SCS_Type_II_100yr_103.2mm           21:00     1.28
SCS_Type_II_100yr_103.2mm           21:10     1.28
SCS_Type_II_100yr_103.2mm           21:20     1.28
SCS_Type_II_100yr_103.2mm           21:30     1.28
SCS_Type_II_100yr_103.2mm           21:40     1.28
SCS_Type_II_100yr_103.2mm           21:50     1.28
SCS_Type_II_100yr_103.2mm           22:00     1.28
SCS_Type_II_100yr_103.2mm           22:10     1.28
SCS_Type_II_100yr_103.2mm           22:20     1.28
SCS_Type_II_100yr_103.2mm           22:30     1.28
SCS_Type_II_100yr_103.2mm           22:40     1.28
SCS_Type_II_100yr_103.2mm           22:50     1.28
SCS_Type_II_100yr_103.2mm           23:00     1.28
SCS_Type_II_100yr_103.2mm           23:10     1.28
SCS_Type_II_100yr_103.2mm           23:20     1.28
SCS_Type_II_100yr_103.2mm           23:30     1.28
SCS_Type_II_100yr_103.2mm           23:40     1.28
SCS_Type_II_100yr_103.2mm           23:50     1.28

[REPORT]
;;Reporting Options
INPUT      YES
CONTROLS   NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]
Node       3001             ExMH
Node       3002             ExMH
Node       3003             ExMH
Node       3004             ExMH
Node       3005             ExMH
Node       3006             ExMH
Node       3007             ExMH
Node       3008             ExMH
Node       3009             ExMH
Node       3010             ExMH
Node       3011             ExMH
Node       3012             ExMH
Node       3013             ExMH
Node       3014             ExMH
Node       3015             ExMH
Node       3016             ExMH
Node       3017             ExMH
Node       3018             ExMH
Node       3019             ExMH
Node       3020             ExMH
Node       3021             ExMH
Node       3022             ExMH
Node       3023             ExMH
Node       3024             ExMH
Node       3025             ExMH
Node       3026             ExMH
Node       3027             ExMH
Node       3028             ExMH
Node       3029             ExMH
Link       L1               ExMinorSystem
Link       L11              ExMinorSystem
Link       L12              ExMinorSystem
Link       L13              ExMinorSystem
Link       L15              ExMinorSystem
Link       L16              ExMinorSystem
Link       L17              ExMinorSystem
Link       L18              ExMinorSystem
Link       L19              ExMinorSystem
Link       L2               ExMinorSystem
Link       L20              ExMinorSystem
Link       L24              ExMinorSystem
Link       L25              ExMinorSystem
Link       L26              ExMinorSystem
Link       L27              ExMinorSystem
Link       L28              ExMinorSystem
Link       L29              ExMinorSystem
Link       L3               ExMinorSystem
Link       L30              ExMinorSystem
Link       L32              ExMinorSystem
Link       L33              ExMinorSystem
Link       L34              ExMinorSystem
Link       L35              ExMinorSystem
Link       L36              ExMinorSystem
Link       L37              ExMinorSystem
Link       L38              ExMinorSystem
Link       L39              ExMinorSystem
Link       L4               ExMinorSystem
Link       L5               ExMinorSystem
Link       L6               ExMinorSystem
Link       L7               ExMinorSystem

[MAP]
DIMENSIONS       353955.41775     5015804.6435     354396.06125
5016148.7345
UNITS            Meters

[COORDINATES]
;;Node            X-Coord            Y-Coord
;;--------------- ------------------ ------------------
3030-Bypass      354137.614         5015843.459
3001             354287.358         5016133.094
3002             354188.829         5016099.754
3003             354091.265         5016066.737
3004             353975.447         5016076.902
3005             353993.702         5016033.713
3006             354016.7           5016002.619
3007             354040.321         5015979.51
3008             354308.837         5016059.521
3009             354232.864         5016033.899
3010             354157.087         5016008.254
3011             354080.212         5015982.23
3012             354063.223         5015965.103
3013             354296.783         5016128.788
3014             354323.034         5016064.418
3015             354376.032         5015919.321
3016             354373.703         5015941.375
3017             354351.977         5015993.447
3018             354372.46          5015903.924
3019             354362.45          5015882.497
3020             354352.258         5015879.332
3021             354244.109         5015929.404
3022             354295.143         5015974.215
3023             354236.307         5015954.302
3024             354191.584         5015939.161
3025             354178.918         5015926.422
3026             354364.89          5015820.284
3027             354297.864         5015851.885
3028             354218.01          5015889.18
3029             354170.349         5015911.713

[VERTICES]
;;Link            X-Coord            Y-Coord
;;--------------- ------------------ ------------------

[SYMBOLS]
;;Gage            X-Coord            Y-Coord
;;--------------- ------------------ ------------------
```

C.3 Storm Sewer Design Sheet

Stantec

Trail West: Akerson Road Blocks 76, 77 & 78

DATE: 2023-04-10
REVISION: 1
DESIGNED BY: WAJ
CHECKED BY: -

STORM SEWER DESIGN SHEET
(City of Ottawa)

FILE NUMBER: **160401706**

DESIGN PARAMETERS

$I = a / (t+b)^c$ (As per City of Ottawa Guidelines, 2012)

	1:2 yr	1:5 yr	1:10 yr	1:100 yr
a =	732.951	998.071	1174.184	1735.688
b =	6.199	6.053	6.014	6.014
c =	0.810	0.814	0.816	0.820

MANNING'S n = 0.013 BEDDING CLASS = B
MINIMUM COVER: 2.00 m
TIME OF ENTRY 10 min

LOCATION			DRAINAGE AREA																						PIPE SELECTION										
AREA ID NUMBER	FROM M.H.	TO M.H.	AREA (2-YEAR) (ha)	AREA (5-YEAR) (ha)	AREA (10-YEAR) (ha)	AREA (100-YEAR) (ha)	AREA (ROOF) (ha)	C (2-YEAR) (-)	C (5-YEAR) (-)	C (10-YEAR) (-)	C (100-YEAR) (-)	A x C (2-YEAR) (ha)	ACCUM AxC (2YR) (ha)	A x C (5-YEAR) (ha)	ACCUM. AxC (5YR) (ha)	A x C (10-YEAR) (ha)	ACCUM. AxC (10YR) (ha)	A x C (100-YEAR) (ha)	ACCUM. AxC (100YR) (ha)	T of C (min)	$I_{2\text{-YEAR}}$ (mm/h)	$I_{5\text{-YEAR}}$ (mm/h)	$I_{10\text{-YEAR}}$ (mm/h)	$I_{100\text{-YEAR}}$ (mm/h)	$Q_{CONTROL}$ (L/s)	ACCUM. $Q_{CONTROL}$ (L/s)	Q_{ACT} (CIA/360) (L/s)	LENGTH (m)	PIPE WIDTH OR DIAMETE (mm)	PIPE HEIGHT (mm)	PIPE SHAPE (-)	MATERIAL (-)	CLASS (-)	SLOPE %	Q_{CAP} (FULL) (L/s)	% FULL (-)	VEL. (FULL) (m/s)	VEL. (ACT) (m/s)	TIME OF FLOW (min)
C101A	101	100	0.00	0.09	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.000	0.000	0.068	0.068	0.000	0.000	0.000	0.000	10.00	76.81	104.19	122.14	178.56	0.0	0.0	19.7	59.8	300	300	CIRCULAR	PVC	-	0.34	56.1	**35.12%**	0.80	0.61	1.63
																				11.63									600	600									
C103A	103	102	0.00	0.14	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.000	0.000	0.116	0.116	0.000	0.000	0.000	0.000	10.00	76.81	104.19	122.14	178.56	0.0	0.0	33.5	59.8	300	300	CIRCULAR	PVC	-	0.34	56.1	**59.71%**	0.80	0.72	1.39
																				11.39									600	600									
C105A	105	104	0.00	0.14	0.00	0.00	0.00	0.00	0.80	0.00	0.00	0.000	0.000	0.116	0.116	0.000	0.000	0.000	0.000	10.00	76.81	104.19	122.14	178.56	0.0	0.0	33.6	61.3	300	300	CIRCULAR	PVC	-	0.34	56.1	**59.87%**	0.80	0.72	1.42
																				11.42									1800	900	RECTANGULAR								
C107A	107	106	0.00	0.09	0.00	0.00	0.00	0.00	0.75	0.00	0.00	0.000	0.000	0.069	0.069	0.000	0.000	0.000	0.000	10.00	76.81	104.19	122.14	178.56	0.0	0.0	20.0	62.5	300	300	CIRCULAR	PVC	-	0.34	56.1	**35.60%**	0.80	0.61	1.70
																				11.70									1800	900	RECTANGULAR								
C3029A	3029	3030	0.00	0.17	0.00	0.00	0.00	0.00	0.77	0.00	0.00	0.000	0.000	0.132	0.132	0.000	0.000	0.000	0.000	10.00	76.81	104.19	122.14	178.56	0.0	0.0	38.1	75.0	1800	900	RECTANGULAR	CONCRETE	-	0.17	2302.6	**1.65%**	1.42	0.44	2.86
	3030	3030B	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.132	0.000	0.000	0.000	0.000	12.86	67.34	91.19	106.83	156.07	0.0	0.0	33.3	2.0	1800	900	RECTANGULAR	CONCRETE	-	0.10	1766.0	**1.89%**	1.09	0.36	0.09
	3030B	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000	0.000	0.000	0.132	0.000	0.000	0.000	0.000	12.95	67.07	90.82	106.40	155.44	0.0	0.0	33.2	25.5	1800	900	RECTANGULAR	CONCRETE	-	0.10	1746.5	**1.90%**	1.08	0.35	1.21
																				14.16									1800	900									

APPENDIX D

Appendix D Geotechnical Information

Houle Chevrier Engineering
a GEMTEC company

Houle Chevrier Engineering Ltd.
32 Steacie Drive
Ottawa, Ontario
K2K 2A9

tel: 613.836.1422
fax: 613.836.9731
ottawa@hceng.ca
www.hceng.ca

Thomas Cavanagh Construction Ltd.
9094 Cavanagh Road
Ashton, Ontario
K0A 1B0

July 21, 2015
Project: 63978.79

Attention: Mr. Mark Purchase / Mr. Chris Collins

Re: Summary of Geotechnical Investigation
Proposed Trail West Condo Developments, Akerson Road and Cope Drive
Ottawa, Ontario

INTRODUCTION

As requested by Thomas Cavanagh Construction Ltd. (Cavanagh), Houle Chevrier Engineering Ltd. carried out a geotechnical investigation within seven (7) areas being proposed for multiple residential condominium buildings. It is understood that the condominium buildings being considered will be four (4) storey wood frame units with one (1) level of below grade parking. Associated parking and driveway areas will also be constructed.

The intent of this preliminary report is to provide subsurface data at the proposed sites in order to commence preliminary design discussions with the owners, Architect and Structural Engineers.

Our subsurface investigation consisted of seven (7) conventional boreholes and seven (7) piezocone probes. Three (3) standpipe piezometers were installed to measure stabilized groundwater levels. In addition, undisturbed samples of the silty clay soil were collected at select locations for laboratory Oedometer consolidation testing.

Detailed borehole and piezocone records are attached in Attachments A and B, respectively and a test hole location plan is presented in Figure 1.

The sites investigated have been identified as:

- 170 Akerson Road (Borehole 15-1 with piezometer install and Piezocone 15-1);
- 150 Akerson Road (Borehole 15-2 and Piezocone 15-2);
- 80 Cope Drive (Borehole 15-3 with piezometer install and Piezocone 15-3);
- 110 Cope Drive (Borehole 15-4 and Piezocone 15-4);
- 140 Cope Drive (Borehole 15-5 and Piezocone 15-5);

- 151 Cope Drive (Borehole 15-6 and Piezocone 15-6);
- 180 Cope Drive (Borehole 15-7 with piezometer install and Piezocone 15-7)

BACKGROUND

Previous geotechnical investigations have been undertaken in the general area of the proposed sites between 1985 and 2009. The test holes from the previous investigations along with the current test hole locations are presented on the attached Figure 1. The results of the previous investigations will not be discussed in this letter, but have been reviewed as part of our current investigation.

SITE CONDITIONS AND GEOLOGY

The proposed condominium sites are currently vacant properties and are generally covered with granular fill or sparse vegetation. A summary of the surface conditions and site grades are summarized below:

- 170 Akerson Road Granular fill surface, existing grade about 2 metres below road;
- 150 Akerson Road Granular fill surface, existing grade about 2 metres below road;
- 80 Cope Drive Granular fill surface, existing grade about 1 metre below road;
- 110 Cope Drive Granular fill surface, existing grade about 1 metre below road;
- 140 Cope Drive Sparse grass cover, existing grade about 1 metres below road;
- 151 Cope Drive Sparse grass cover, existing grade about 1 metres below road
- 180 Cope Drive Sparse grass cover, existing grade close to road grade

A review of published surficial geology maps of this area together with the results of previous subsurface investigations show that the sites are underlain by an assortment of deposits composed of peat and offshore marine deposits consisting of clay and silt and deeper deposits of glacial till. Drift thickness maps indicate that the overburden in the vicinity of the site has a thickness ranging from 5 to 10 metres. Bedrock geology maps suggest that the overburden is underlain by limestone/dolostone of the Gull River Formation. A bedrock fault (Hazeldean Fault) is mapped north of the site, aligned in an east/west direction.

SUBSURFACE CONDITIONS

General

The test hole logs indicate the subsurface conditions at the specific test locations only. Boundaries between zones on the logs are often not distinct, but rather are transitional and have been interpreted. The precision with which subsurface conditions are indicated depends on the method of drilling, the frequency and recovery of samples and the uniformity of the subsurface conditions. Subsurface conditions at areas other than the borehole locations may vary from the conditions encountered in the boreholes. In addition to soil variability, fill of variable physical and chemical composition can be present over portions of the site or on adjacent properties.

The groundwater conditions described in this letter refer only to those observed at the place and time of observation noted in the letter. These conditions may vary seasonally or as a consequence of construction activities in the area.

The soil descriptions in this report are based on commonly accepted methods of classification and identification employed in geotechnical practice. Classification and identification of soil involves judgement and Houle Chevrier Engineering Ltd. does not guarantee descriptions as exact, but infers accuracy to the extent that is common in current geotechnical practice.

The following presents an overview of the subsurface conditions encountered in the test holes advanced during this investigation.

Detailed record of borehole sheets and piezocone logs are provided in Attachments A and B, respectively. The test hole locations are presented in the attached Figure 1.

Fill

A thin layer of fill was encountered at all borehole locations with the exception of borehole 15-6. The fill is generally composed of grey crushed sand and gravel with trace silt. The fill at borehole 15-5 consists of brown silty sand with trace to some gravel and trace organics. The thickness of the fill layer ranges from about 0.6 to 1.5 metres, averaging 0.9 metres.

Standard penetration tests carried out in the fill deposit gave N values ranging from 7 to 15 blows per 0.3 metres of penetration, which reflects a variable loose to compact relative density.

Organic Material

A 150 millimetre thick layer of organics, likely the former topsoil layer, was encountered below the fill layer at borehole 15-5.

Silty Sand

A layer of silty sand was noted at all seven (7) borehole locations. The silty sand was noted below the fill at boreholes 15-1 to 15-4, and 15-7, and below the organic layer at borehole 15-5. At borehole 15-6 the silty sand was encountered from surface grade. The thickness of the silty sand layer ranges from about 0.3 to 2.8 metres.

Standard penetration tests carried out in the fill deposit gave N values ranging from about 3 to 12 blows per 0.3 metres of penetration, which reflects a very loose to compact relative density.

Silty Clay

Grey silty clay was encountered at all borehole locations at depths ranging from about 1.3 to 3.7 metres below existing surface grade. The full extent of silty clay layer was determined at two (2) of the seven (7) boreholes, boreholes 15-1 and 15-7. At these locations the silty clay thickness was about 22.9 and 24.5 metres, respectively.

Field vane readings in the silty clay range from about 15 to 96 kilopascals, averaging 36 kilopascals. On this basis the consistency of the silty clay ranges from soft to stiff, and is firm on average. The ratio of

restrictions for these areas of the site. In addition, the underground parking structures must be designed as completely waterproof so as to not result in any additional groundwater lowering.

Foundation Options

At this preliminary stage of the project, the footing grades and proposed building loads have not yet been finalized. In order for the existing site grades to match the surrounding grades many of the lots will need to be raised in the order of 1 to 2 metres. Due to the thick (i.e. 17 to 25 meters thick) compressible silty clay deposit encountered across the sites, foundation options are limited for the proposed four (4) storey condominium buildings.

In our opinion, conventional spread footings will not be suitable to support the proposed buildings. Alternatively, a rigid raft foundation backfilled with lightweight fill (i.e. EPS block) could be considered for the foundation, but this option is highly dependent on the net stress increase imposed on the soft silty clay. Using the CPT data collected during this investigation and previous consolidation data, the net stress increase on the silty clay should not exceed about 20 kilopascals or the equivalent of about 1.2 metres of sandy borrow fill. In our opinion, the loads from the four (4) storey structures and dead load of the concrete raft slab will likely exceed the 20 kilopascal limit. If the raft slab foundation is installed below existing grade, which will be the case for the proposed underground parking, there would be some net gain on the stress that can be imposed on the silty clay (i.e. about 16 kilopascals for each metre of below existing grade and above the groundwater table).

The option of using a pile foundation is less sensitive to foundation grades, grade raise restrictions and building loads.

In our opinion low displacement steel piles driven to bedrock are best suited for this site. Buoyancy (uplift) issues are anticipated if closed ended steel pipe piles are used since the sensitive silty clay will liquefy around the piles during installation of the piles. Therefore, consideration should be given to using steel H piles or open ended steel pipe piles, both of which are relatively low displacement and not as susceptible to buoyancy effects.

It should be noted that the top of bedrock was only confirmed at two locations (borehole 15-1 and 15-7) thus if the foundation are to be founded on piles we recommended coring bedrock at a few more locations to get a better handle on the bedrock elevations across the sites.

We provide the following general pile recommendations:

- The pile cross section should be confirmed once structural loads are known. Houle Chevrier Engineering Ltd. would be pleased to review pile types once the structural loads have been finalized.

- The pile driving contractor should be required to submit the pile design and pile driving criteria for review prior to pile driving at this site. An allowance should be made in the specifications for re-tapping all of the piles at least once after a minimum period of 24 hours to confirm the permanence of the pile set.

APPENDIX E

Appendix E Drawings

SCHEDULE OF INLET CONTROL DEVICES					
STRUCTURE ID	DRAINAGE AREA ID	ORIFICE SIZE/TYPE	ORIFICE INVERT (m)	100 YEAR HEAD (m)	100 YEAR RELEASE RATE (L/s)
C8101A-1	C101A	83mm IPEX TEMPEST HF	95.33	1.28	16
C8101A-2	C101A	83mm IPEX TEMPEST HF	95.33	1.28	16
C8103A-1	C103A	102mm IPEX TEMPEST HF	95.14	1.32	23
C8103A-2	C103A	102mm IPEX TEMPEST HF	95.14	1.32	23
C8302PA-1	C302PA	127mm IPEX TEMPEST HF	95.01	1.47	38
C8302PA-2	C302PA	102mm IPEX TEMPEST HF	95.01	1.47	25
C8105A-1	C105A	102mm IPEX TEMPEST HF	95.04	1.31	23
C8105A-2	C105A	102mm IPEX TEMPEST HF	95.04	1.31	23
C8107A-1	C107A	83mm IPEX TEMPEST HF	95.00	1.29	16
C8107A-2	C107A	83mm IPEX TEMPEST HF	95.00	1.29	16

SEWER AND WATERMAIN CROSSING TABLE							
CROSSING	STM INV	STM OBV	SAN INV	SAN OBV	WTR TOP	WTR BTM	NOTES
1	94.74	95.04	90.57 (90.45)	91.47 (91.59)			
2	94.75	95.05	93.11	93.31			
3	94.76	95.06	93.20	93.40	94.26	93.960	
4	94.68	94.98	90.53 (90.41)	91.43 (91.55)			
5	94.69	94.99	92.24	92.44			
6	94.70	95.00	92.72	92.92	94.20	93.900	
7	94.58	94.88	90.42 (90.30)	91.32 (91.44)			
8	94.59	94.89	91.85	92.05			
9	94.60	94.90	92.45	92.65	94.10	93.800	
10	94.37	94.67	90.39 (90.27)	91.29 (91.41)			
11	94.38	94.68	92.51	92.71			
12	94.39	94.69	92.53	92.73	93.89	93.590	
* BRACKETS DENOTE ADJUSTED VALUE WITH CONCRETE PIPE THICKNESS							

150mm Ø WATERMAIN A			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	96.62	94.220	CONNECTION TO EX. 300mmØ WATERMAIN
0+007.7	96.68	94.280	150mmØ VALVE AND VALVE BOX
0+020	96.69	94.290	TOP OF WATERMAIN
0+040	96.59	94.190	TOP OF WATERMAIN
0+048.7	96.64	94.240	150mmØ x 50mmØ REDUCER

150mm Ø WATERMAIN B			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	96.63	94.230	CONNECTION TO EX. 300mmØ WATERMAIN
0+007.7	96.67	94.270	150mmØ VALVE AND VALVE BOX
0+020	96.50	94.100	TOP OF WATERMAIN
0+040	96.41	94.010	TOP OF WATERMAIN
0+046.8	96.44	94.040	150mmØ x 50mmØ REDUCER
0+053.2	96.47	94.070	50mmØ CAP AND THRUST BLOCK

150mm Ø WATERMAIN C			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	96.39	93.990	CONNECTION TO EX. 300mmØ WATERMAIN
0+002.4	96.41	94.010	11.25° HORIZONTAL BEND
0+020	96.27	93.870	TOP OF WATERMAIN
0+036.3	96.31	93.910	150mmØ x 50mmØ REDUCER
0+040	96.33	93.930	TOP OF WATERMAIN
0+042.8	96.31	93.910	50mmØ CAP AND THRUST BLOCK

150mm Ø WATERMAIN D			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	96.41	94.010	CONNECTION TO EX. 300mmØ WATERMAIN
0+007.7	96.47	94.070	150mmØ VALVE AND VALVE BOX
0+020	96.36	93.960	TOP OF WATERMAIN
0+040	96.31	93.910	TOP OF WATERMAIN
0+046.8	96.35	93.950	150mmØ x 50mmØ REDUCER
0+053.2	96.38	93.980	50mmØ CAP AND THRUST BLOCK

150mm Ø WATERMAIN E			
STATION	FINISHED GRADE	TOP OF W/M	ITEM
0+000	96.30	93.900	CONNECTION TO EX. 300mmØ WATERMAIN
0+007.7	96.39	93.990	150mmØ VALVE AND VALVE BOX
0+020	96.39	93.990	TOP OF WATERMAIN
0+040	96.27	93.870	TOP OF WATERMAIN
0+048.8	96.32	93.920	150mmØ x 50mmØ REDUCER

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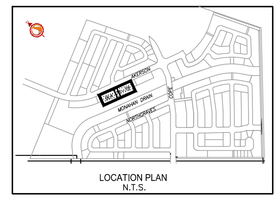
Legend

- PROPOSED WATERMAIN
- PROPOSED VALVE AND VALVE BOX
- PROPOSED VALVE CHAMBER
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT
- PROPOSED SANITARY SEWER
- PROPOSED STORM SEWER
- PROPOSED CATCHBASIN MANHOLE
- PROPOSED CATCHBASIN
- EXISTING WATERMAIN
- EXISTING VALVE AND VALVE BOX
- EXISTING VALVE CHAMBER
- EXISTING REDUCER
- EXISTING FIRE HYDRANT
- EXISTING SANITARY SEWER
- EXISTING STORM SEWER
- EXISTING CATCHBASIN MANHOLE
- EXISTING CATCHBASIN
- INSULATION AS PER CITY STANDARD W22 WHERE MIN. 2.4m COVER FOR WATERMAIN, 2.0m COVER FOR STORM SEWERS OR 2.5m FOR SANITARY SEWERS IS NOT PROVIDED



LOCATION PLAN
N.T.S.

1 ISSUED FOR REVIEW	WAJ	KJK	23.05.17
Revision	By	Appd.	YY.MM.DD

File Name: 160401706-Detailed-D8.dwg	WAJ	KJK	WAJ	22.12.13
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
R. J. B. BRANDRICK
100570025
May 17 2023
PROVINCE OF ONTARIO

Client/Project
CAVANAGH CONSTRUCTION LTD.

TRAIL WEST
AKERSON ROAD BLOCKS 76, 77 & 78
Ottawa, ON, Canada

Title
SITE SERVICING PLAN

Project No.	Scale	Revision
160401706	1:250 (0, 2.5, 7.5, 12.5m)	
Drawing No.	Sheet	
SSP-1	1 of 6	1

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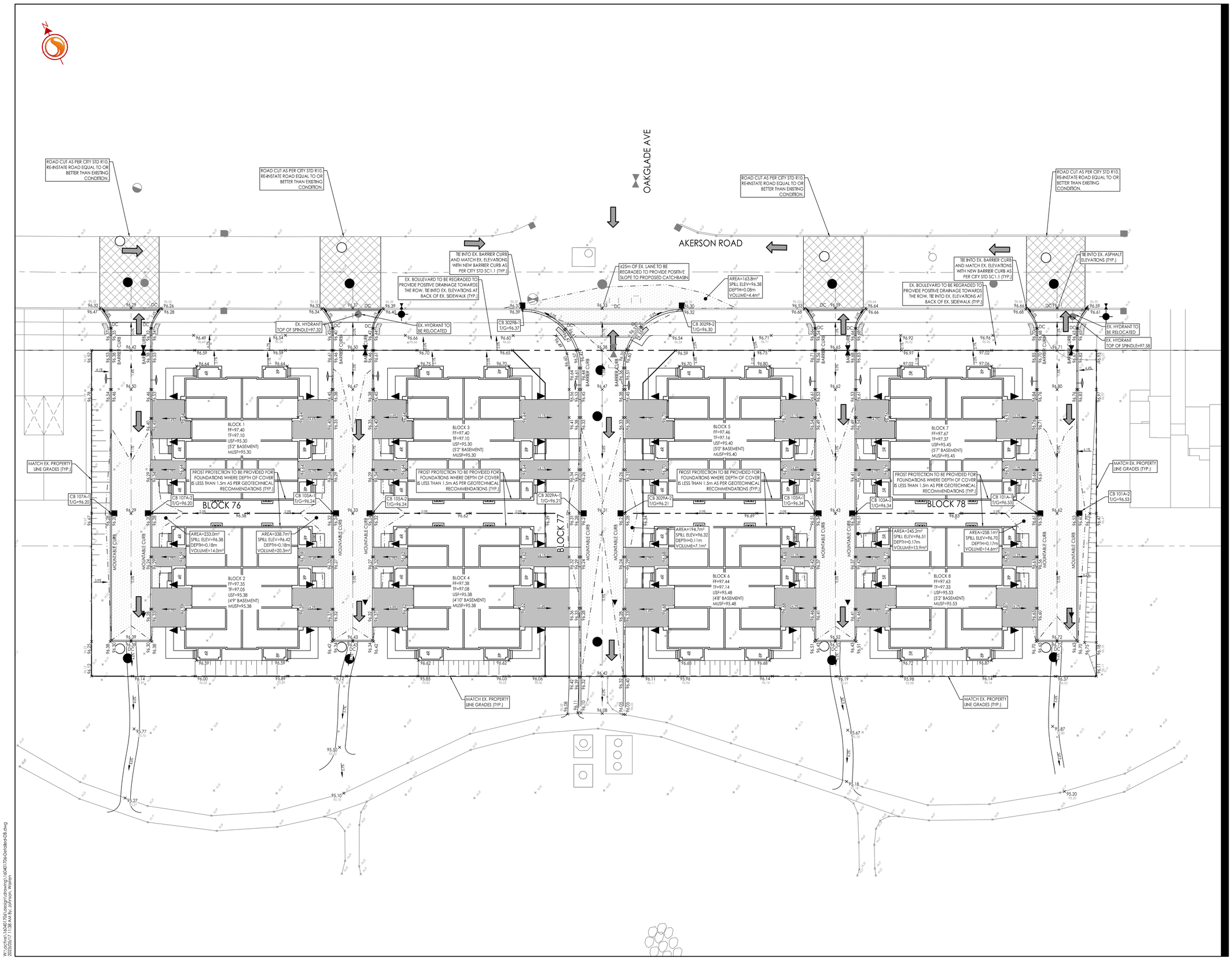
2023/05/17 11:38 AM By: Johnson, Warren

ORIGINAL SHEET - ARCH D



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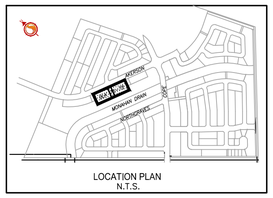
Legend

2.0%	DIRECTION & PERCENT FLOW
x 75.98	PROPOSED ELEVATION
96.60 / 96.60	PROPOSED LOT CORNER ELEVATION
FFE=97.15	FINISHED FIRST FLOOR ELEVATION
USF=97.15	UNDER SIDE OF FOOTING
7R	NUMBER OF RISERS
3:1	TERRACING MAX. 3:1 SLOPE (UNLESS OTHERWISE SHOWN)
	PROPOSED FIRE HYDRANT
	PROPOSED CATCH BASIN
	DIRECTION OF OVERLAND FLOW
x100.17	ORIGINAL GROUND
	PROPOSED SWALE
	PROPOSED RETAINING WALL

Notes

1. ALL PEAT AND BLAST ROCK INFORMATION TO BE CONFIRMED BY GEOTECHNICAL ENGINEER.
2. ALL ENGINEERED FILL AND GRADE RAISES TO BE APPROVED BY GEOTECHNICAL CONSULTANT PRIOR TO PLACING OF MATERIAL.



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Revision		By	Appd.	YY.MM.DD

File Name: 160401706-Detailed-DB.dwg		WAJ	KJK	WAJ	22.12.13
		Dwn.	Chkd.	Dsgn.	YY.MM.DD

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LICENSED PROFESSIONAL ENGINEER
R. J. B. BRANDRICK
100570025
May 17 2023
PROVINCE OF ONTARIO

Client/Project
CAVANAGH CONSTRUCTION LTD.

TRAIL WEST
AKERSON ROAD BLOCKS 76, 77 & 78
Ottawa, ON, Canada

Title
GRADING PLAN

Project No.	Scale	Revision
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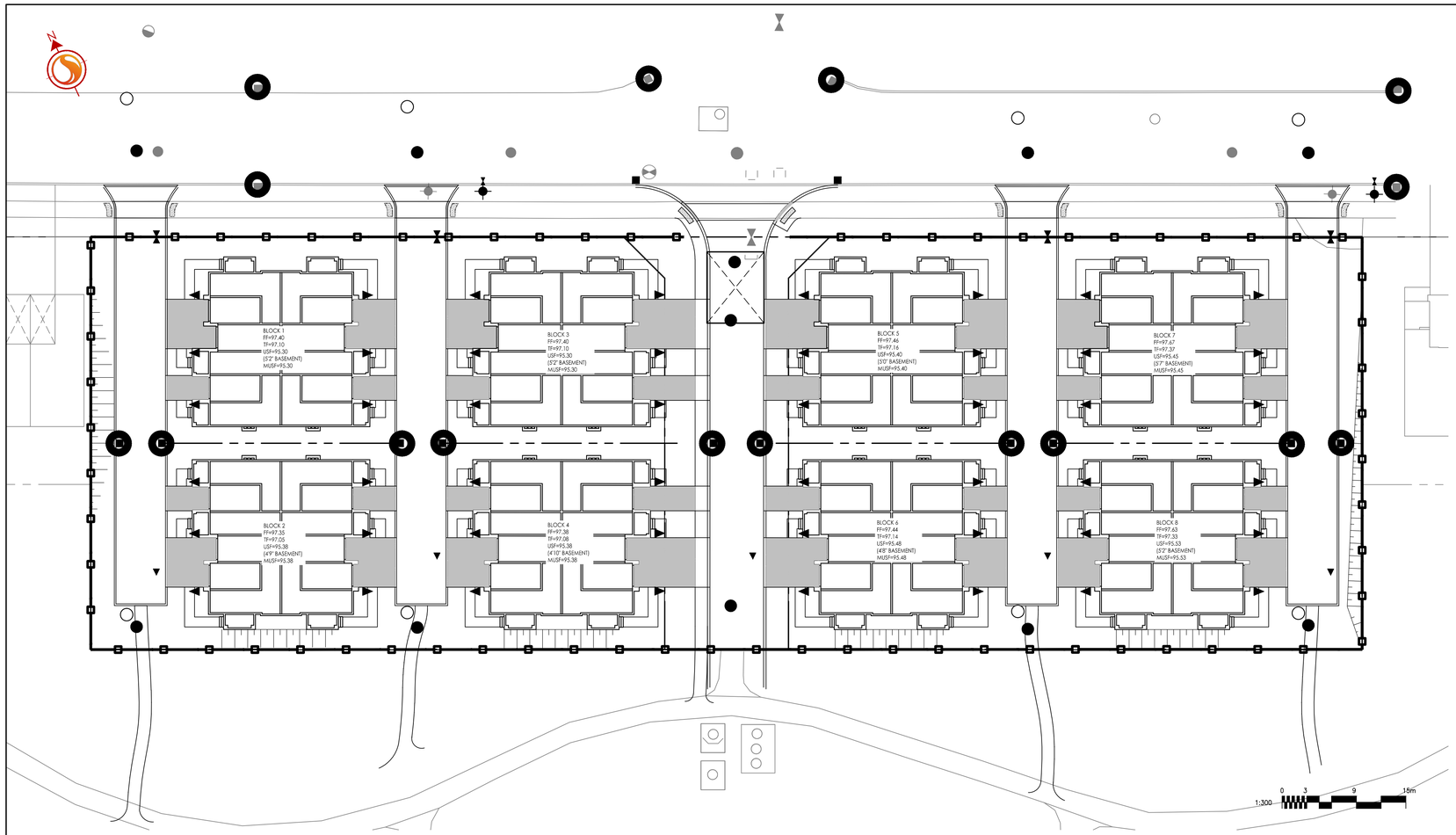
Drawing No.	Sheet	
GP-1	2 of 6	1

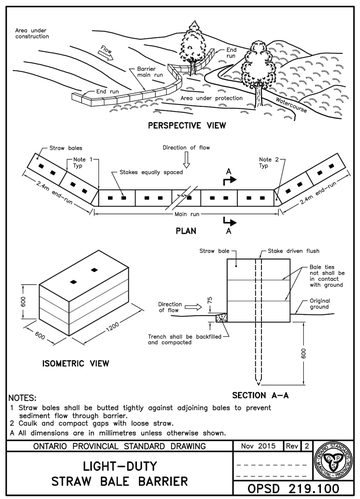


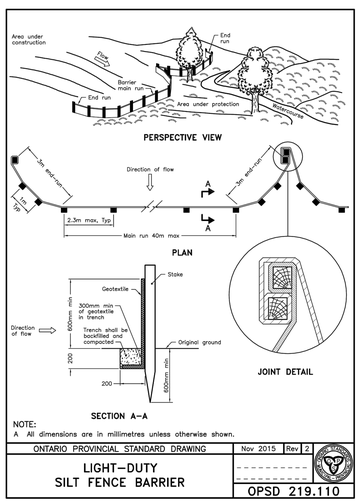
Best Management Practices

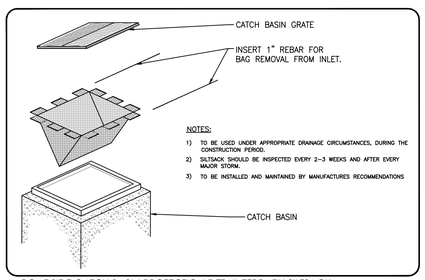
CONTRACTOR TO PROVIDE EROSION AND SEDIMENT CONTROLS (BEST MANAGEMENT PRACTICES) DURING CONSTRUCTION OF THIS PROJECT.

EROSION MUST BE MINIMIZED AND SEDIMENTS MUST BE REMOVED FROM CONSTRUCTION SITE RUN-OFF IN ORDER TO PROTECT DOWNSTREAM AREAS. DURING ALL CONSTRUCTION, EROSION AND SEDIMENTATION SHOULD BE CONTROLLED BY THE FOLLOWING TECHNIQUES:

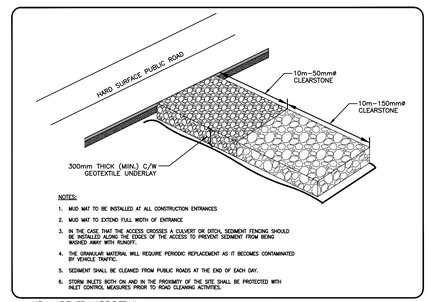
1. LIMIT THE EXTENT OF EXPOSED SOILS AT ANY GIVEN TIME.
2. REVEGETATE EXPOSED AREAS AND SLOPES AS SOON AS POSSIBLE.
3. MINIMIZE AREA TO BE CLEARED AND GRUBBED.
4. PROTECT EXPOSED SLOPES WITH PLASTIC OR SYNTHETIC MULCHES.
5. INSTALL FILTER CLOTH BETWEEN FRAME AND COVER ON ALL PROPOSED CATCH BASINS AND CATCH BASIN MANHOLES AND ON ALL EXISTING CATCH BASINS THAT WILL RECEIVE RUN-OFF FROM THE SITE.
6. A SILT FENCE SHALL BE INSTALLED AROUND THE PERIMETER OF ALL AND ANY STOCKPILES OF MATERIAL TO BE USED OR REMOVED FROM SITE, (LOCATION TO BE DETERMINED)
7. A VISUAL INSPECTION SHALL BE DONE DAILY ON SEDIMENT CONTROL MEASURES AND CLEANED OF ANY ACCUMULATED SILT AS REQUIRED. THE DEPOSITS WILL BE DISPOSED OFF SITE AS PER THE REQUIREMENTS OF THE CONTRACT.
8. SEDIMENT CONTROL BARRIERS MAY ONLY BE REMOVED TEMPORARILY WITH APPROVAL OF CONTRACT ADMINISTRATOR TO ACCOMMODATE CONSTRUCTION OPERATIONS. ALL AFFECTED BARRIERS MUST BE REINSTATED AT NIGHT WHEN CONSTRUCTION IS COMPLETED. NO REMOVAL WILL OCCUR IF THERE IS A SIGNIFICANT RAINFALL EVENT ANTICIPATED (>10mm) UNLESS A NEW DEVICE HAS BEEN INSTALLED TO PROTECT THE EXISTING STORM AND SANITARY SEWER SYSTEMS.
9. NO REFUELING OR CLEANING OF EQUIPMENT IS PERMITTED NEAR ANY EXISTING WATERWAY.
10. CONTRACTOR SHALL REMOVE SEDIMENT CONTROL MEASURES WHEN, IN THE OPINION OF THE CONTRACT ADMINISTRATOR, THE MEASURE(S) IS NO LONGER REQUIRED. NO CONTROL MEASURES SHALL BE PERMANENTLEY REMOVED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE CONTRACT ADMINISTRATOR.
11. THE CONTRACTOR SHALL PERIODICALLY, OR WHEN REQUESTED BY THE CONTRACT ADMINISTRATOR, CLEAN OUT ACCUMULATED SEDIMENTS AS REQUIRED.
12. THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE ENGINEER ANY ACCIDENTAL DISCHARGES OF SEDIMENT MATERIAL INTO THE WATERCOURSE. APPROPRIATE RESPONSE MEASURES, INCLUDING ANY REPAIRS TO EXISTING CONTROL MEASURES OR THE IMPLEMENTATION OF ADDITIONAL CONTROL MEASURES, SHALL BE CARRIED OUT BY THE CONTRACTOR WITHOUT DELAY.







ROADSIDE CATCH BASIN PROTECTION DETAIL:TERRAFIX SILTSACK
SCALE: N.T.S.



MUD MAT ENTRANCE DETAIL
SCALE: N.T.S.

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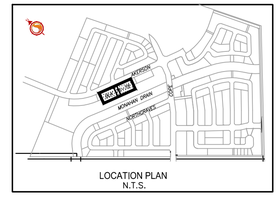
Legend

- PROPOSED SILT FENCE BOUNDARY AS PER OPSD 219.110
- PROPOSED STRAW BALE LOCATION AS PER OPSD 219.100
- PROPOSED MUD MAT LOCATION
- PROPOSED CATCHBASIN PROTECTION AS PER TERRAFIX SILTSACK DETAIL



LOCATION PLAN
N.T.S.

1 ISSUED FOR REVIEW	WAJ	KJK	23.05.17
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	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

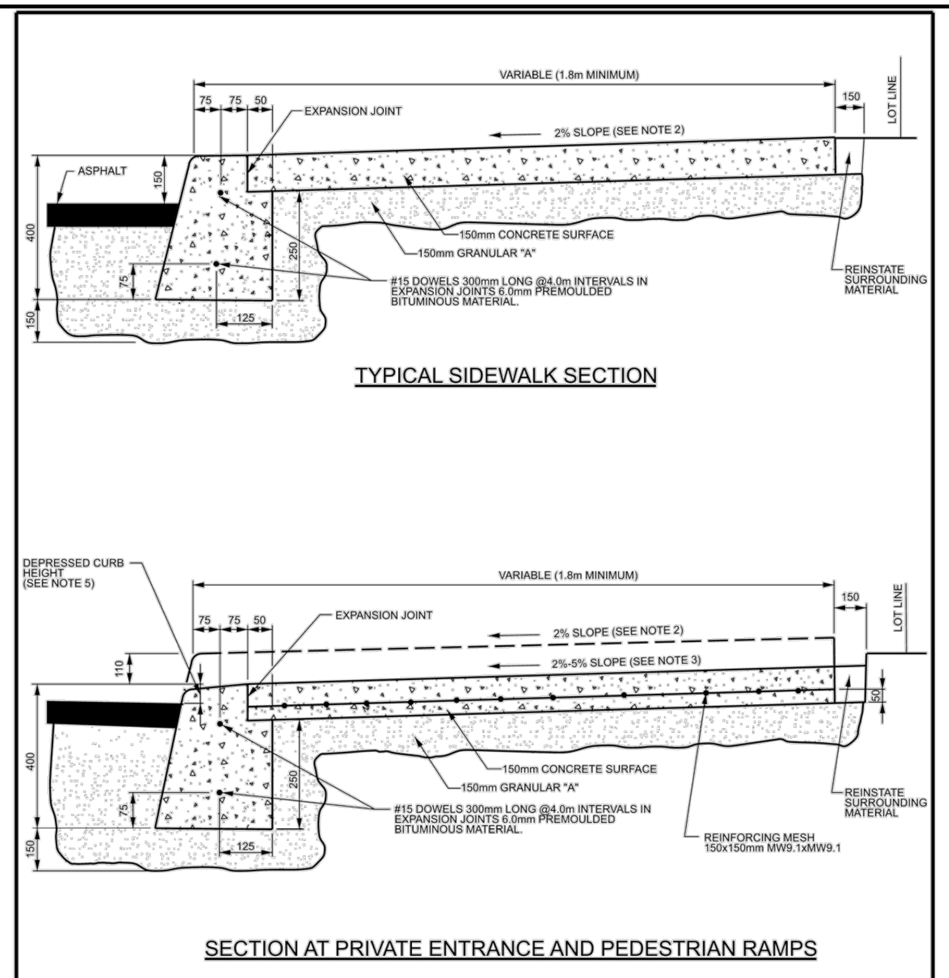
LICENSED PROFESSIONAL ENGINEER
R. J. B. BRANDRICK
100570025
May 17 2023
PROVINCE OF ONTARIO

Client/Project
CAVANAGH CONSTRUCTION LTD.

TRAIL WEST
AKERSON ROAD BLOCKS 76, 77 & 78
Ottawa, ON, Canada

Title
EROSION CONTROL PLAN

Project No.	Scale	
160401706	AS NOTED	
Drawing No.	Sheet	Revision
EC-1	3 of 6	1



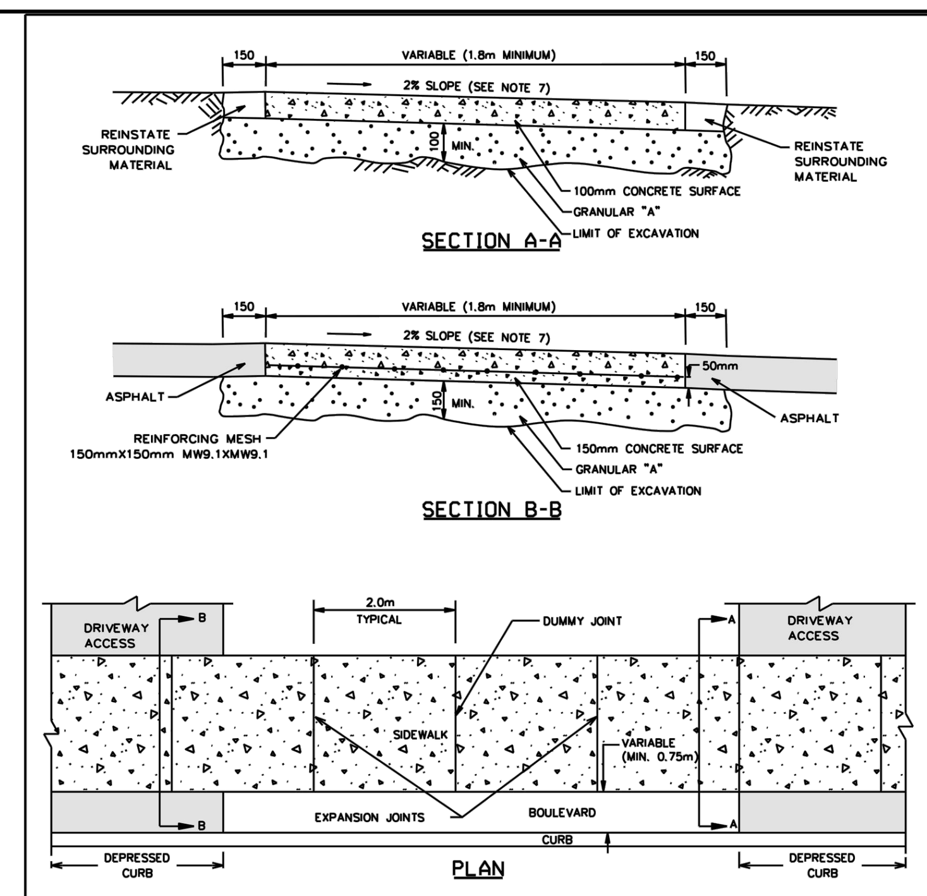
TYPICAL SIDEWALK SECTION

SECTION AT PRIVATE ENTRANCE AND PEDESTRIAN RAMPS

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
2. THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
3. FOR CURB RAMPS, SLOPE OF 2% TO 5%, MAXIMUM 8%..
4. EXPANSION AND DUMMY JOINTS AS PER SC5.
5. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 13mm.

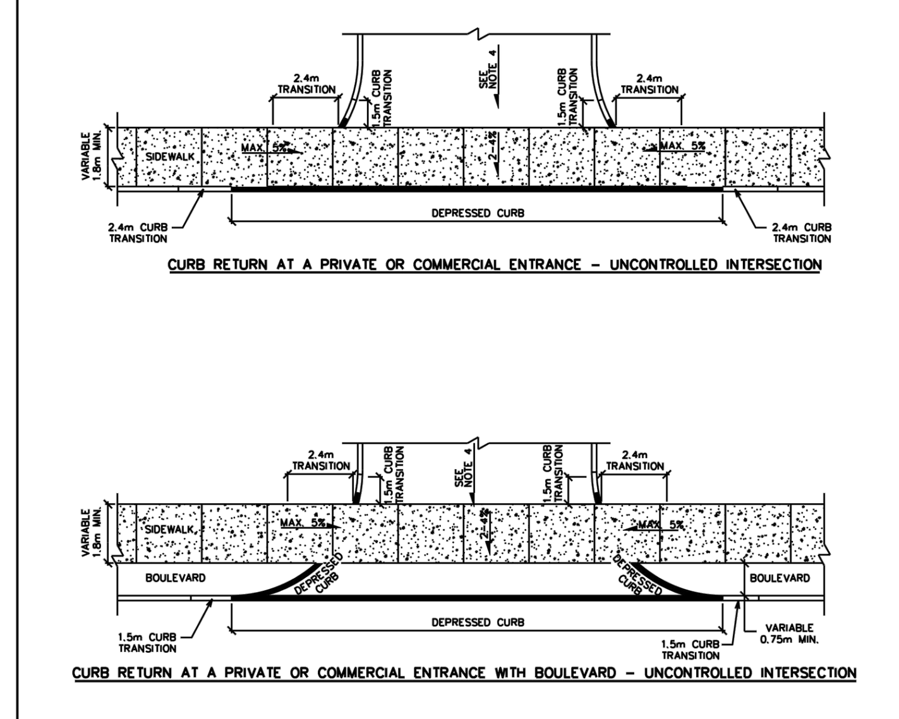
N.T.S.

Ottawa	CONCRETE BARRIER CURB WITH SIDEWALK	DATE:	JANUARY 2003
		REV. DATE:	MARCH 2021
		DWG. No.:	SC1.4



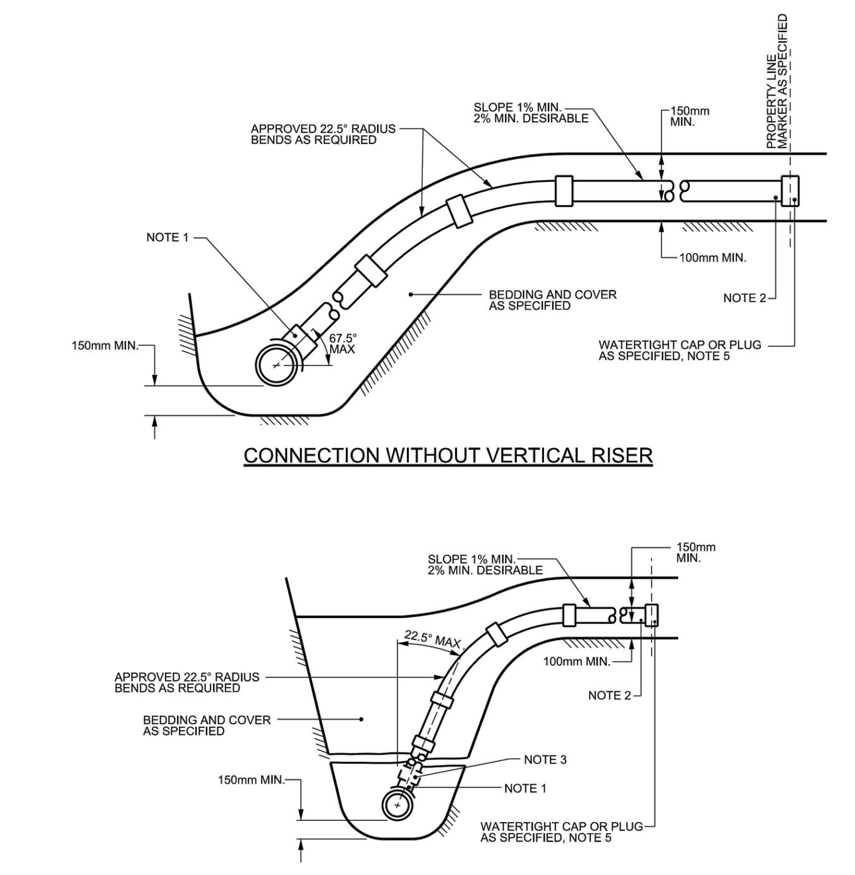
NOTES:
1. CONCRETE AND GRANULAR "A" IS TO BE INCREASED TO 150mm AT THE ENTRANCE AND 150x150mm MW9.1 x MW9.1 REINFORCING MESH IS TO BE PLACED MID DEPTH WITHIN DRIVEWAY ACCESS.
2. TRANSVERSE EXPANSION JOINTS ARE REQUIRED AT THE ENDS, THE MIDPOINT, AT INTERVALS OF 4m MAXIMUM, AND ALSO TO ISOLATE OBSTRUCTIONS FROM SIDEWALK, HYDRANTS, POLES, BUILDINGS, ETC.
3. WHEN THE OVERALL SIDEWALK WIDTH EXCEEDS 2.5m, A LONGITUDINAL CONSTRUCTION JOINT SHALL BE CREATED AT ITS MIDPOINT.
4. EDGES AND JOINTS ARE TO BE FINISHED WITH A 75mm EDGING TOOL.
5. ALL CONCRETE SIDEWALKS ARE TO HAVE A BROOM FINISH UNLESS OTHERWISE SPECIFIED.
6. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
7. THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
8. INSTALL DUMMY TRANSVERSE JOINTS AS REQUIRED SO THERE IS A MAXIMUM SPACING OF 2m BETWEEN ALL JOINTS.
9. SIDEWALK NOT TO BE DEPRESSED ACROSS DRIVEWAY ACCESSES.
10. EXPANSION AND DUMMY JOINTS AS PER SC5

Ottawa	TYPICAL CONCRETE SIDEWALK IN BOULEVARD	DATE:	MAY 2001
		REV. DATE:	MARCH 2016
		DWG. No.:	SC4



NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
2. CURB DETAILS SEE SC1.1, SC1.2 AND SC1.3.
3. SIDEWALK DETAILS SEE SC2 AND SC3.
4. MAXIMUM SLOPE VARIES, SEE PRIVATE APPROACH BYLAW.
5. UNCONTROLLED INTERSECTION MEANS AN ENTRANCE NOT LOCATED AT A TRAFFIC SIGNAL OR ALL-WAY STOP CONTROL.

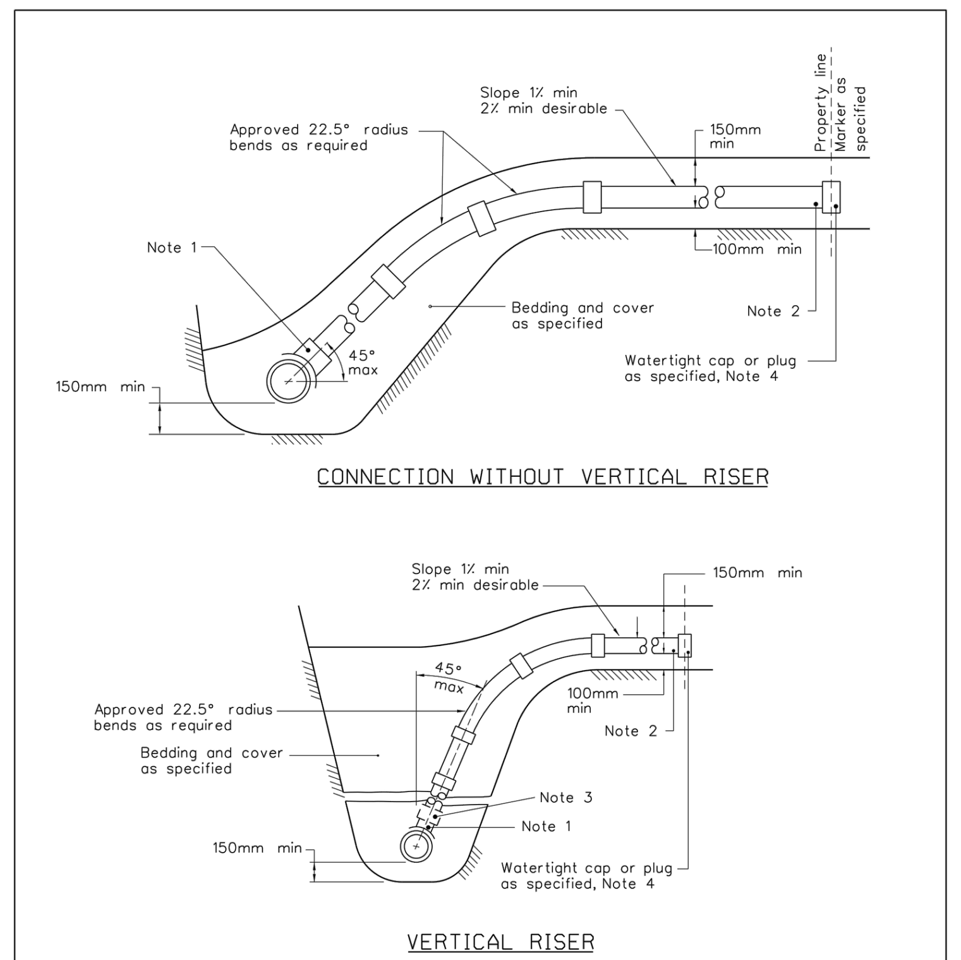
Ottawa	CURB RETURN ENTRANCES - UNCONTROLLED INTERSECTIONS	DATE:	MARCH 2007
		REV. DATE:	MARCH 2021
		DWG. No.:	SC7.1



NOTES:
1. ALL DIAMETERES OF SERVICE CONNECTIONS THAT HAVE NOMINAL DIAMETERS NO GREATER THAN 50% OF THE NOMINAL DIAMETER OF THE RIGID SEWER PIPE SHALL BE MADE USING A BELL END INSERT AS PER S11.2 OR AN APPROVED RUBBER GASKETED INSERT, INSTALLED ABOVE THE SPRING LINE.
2. SANITARY SERVICES TO BE 135mm AND STORM SERVICES TO BE 100mm FOR NEW RESIDENCES UNLESS SPECIFIED OTHERWISE. SERVICE PIPE AND RADIUS BENDS TO BE APPROVED CSA B182.2, SDR28 PRODUCTS UNLESS SPECIFIED OTHERWISE.
3. APPROVED CONTROLLED SETTLEMENT JOINTS OPTIONAL FOR SERVICE CONNECTIONS TO MAIN SEWERS UP TO 5m DEEP. WHERE APPROVED, CONNECTIONS TO SEWERS OVER 5m DEEP REQUIRE APPROVED CONTROLLED SETTLEMENT JOINTS.
4. VERTICAL RISER SHALL BE SAME AS SERVICE PIPE UNLESS OTHERWISE SPECIFIED.
5. CAP OR PLUG AT THE PROPERTY LINE SHALL BE ADEQUATELY BRACED TO WITHSTAND TESTING PRESSURE.
6. FOR NEW CONSTRUCTION, INSERTS MUST BE INSTALLED ON THE MAIN PIPE BEFORE THAT PIPE IS LAID. FOR SERVICES/BRANCHES 375mm DIA. OR LESS, APPROVED "CORED TEES" MAY BE USED.
7. APPROVED CUT-IN TOOL MUST BE USED FOR FIELD MADE CONNECTIONS.
8. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

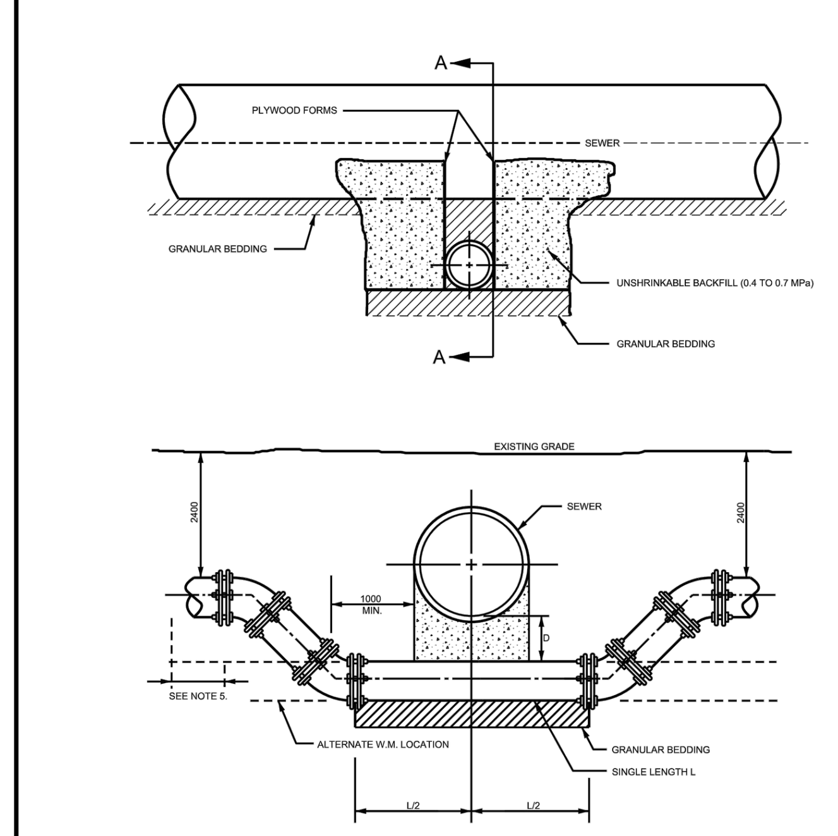
N.T.S.

Ottawa	SEWER SERVICE CONNECTIONS FOR RIGID MAIN SEWER PIPE (MODIFIED OPSD-1006.010)	DATE:	MARCH 2006
		REV. DATE:	MARCH 2014
		DWG. No.:	S11



NOTES:
1. ALL DIAMETERS OF SERVICE CONNECTIONS TO FLEXIBLE MAIN SEWER SHALL BE MADE USING APPROVED TEE OR WYE FITTINGS.
2. SANITARY SERVICES TO BE 135mm AND STORM SERVICES TO BE 100mm FOR NEW RESIDENCES UNLESS SPECIFIED OTHERWISE. SERVICE PIPE AND RADIUS BENDS TO BE APPROVED CSA B182.2, SDR28 PRODUCTS UNLESS SPECIFIED OTHERWISE.
3. APPROVED CONTROLLED SETTLEMENT JOINTS OPTIONAL FOR SERVICE CONNECTIONS TO MAIN SEWERS UP TO 5m DEEP. WHERE APPROVED, CONNECTIONS TO SEWERS OVER 5m DEEP REQUIRE APPROVED CONTROLLED SETTLEMENT JOINTS.
4. CAP OR PLUG AT THE PROPERTY LINE SHALL BE ADEQUATELY BRACED TO WITHSTAND TESTING PRESSURE.
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.

Ottawa	SEWER SERVICE CONNECTIONS FOR FLEXIBLE MAIN SEWER PIPE (MODIFIED OPSD-1006.020)	DATE:	MARCH 2006
		REV. DATE:	MARCH 2013
		DWG. No.:	S11.1

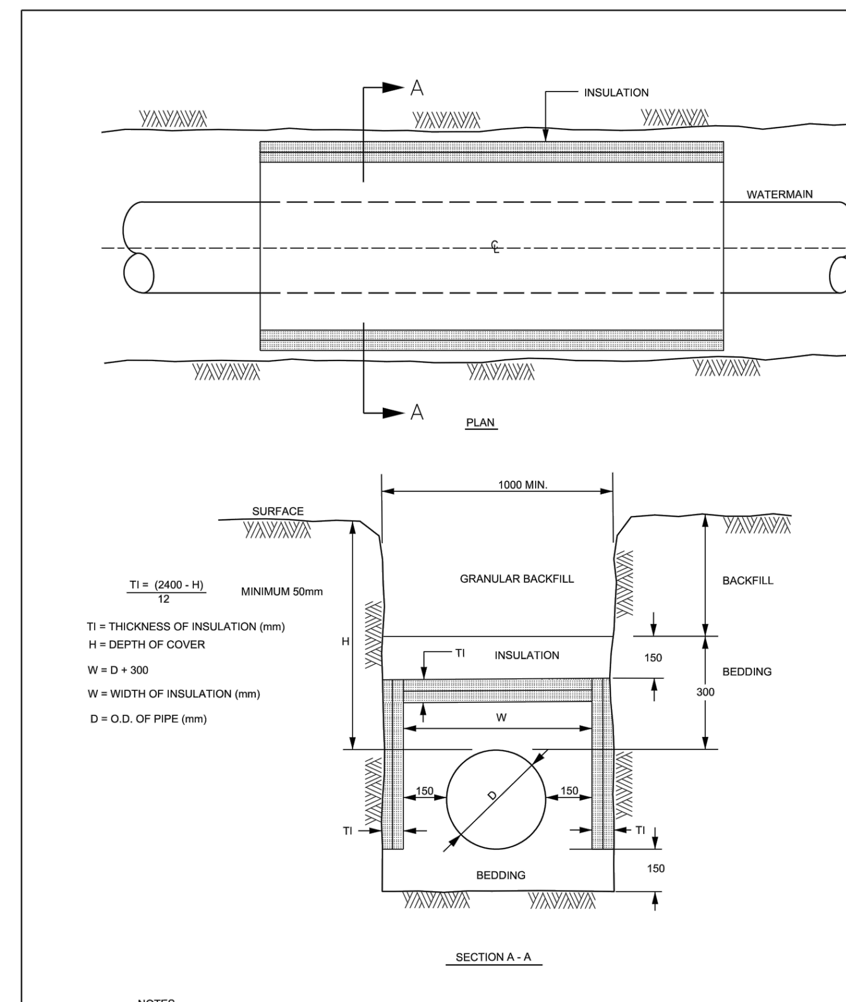


NOTES:

FOR WATERMAIN 100mm (NOMINAL) TO 400mm (NOMINAL)

1. BARREL TO INVERT SEPARATION (D) SHALL BE 500mm MINIMUM.
2. THRUST BLOCKS FOR MAINS LARGER THAN 400mm (NOMINAL) SHALL BE PER SPECIAL DESIGN.
3. FOR 300mm (NOMINAL) AND 400mm (NOMINAL) MAINS, BENDS SHALL BE MAX. 22° 30'.
4. CONCRETE FOR THRUST BLOCKS SHALL BE 20 MPa.
5. REFER TO W25.6 FOR RESTRAINED LENGTH REQUIREMENTS.
6. REFER TO W25.3 AND W25.4 FOR THRUST BLOCK REQUIREMENTS.
7. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
8. DESIGNED TO MEET THE INTENT OF THE MOE WATERMAIN DESIGN CRITERIA JUNE 2012.
9. CATHODIC PROTECTION MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH W39, W40, AND W42.
10. TRACER WIRE REQUIRED FOR PVC, PEX AND HDPE WATERMAIN PIPE ONLY AS PER W36.

Ottawa	WATERMAIN CROSSING BELOW SEWER	DATE:	MAY 2001
		REV. DATE:	MARCH 2021
		DWG. No.:	W25

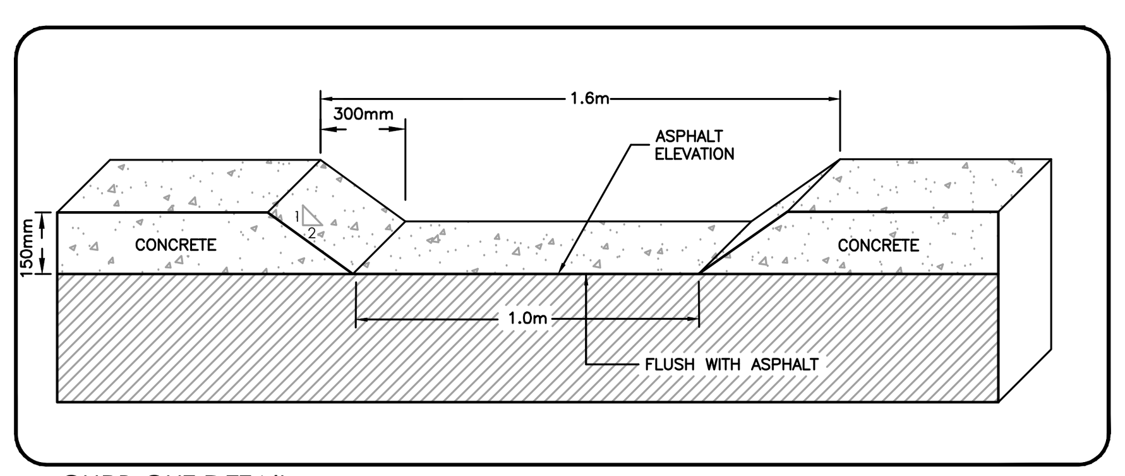


NOTES

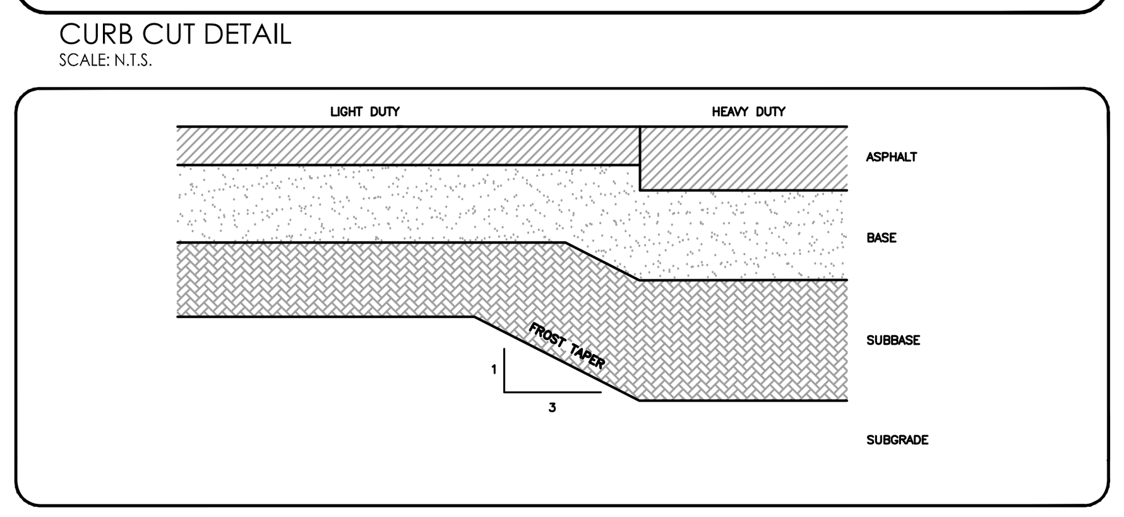
FOR 150 - 400mm (NOMINAL DIAMETER) WATERMAINS, WHERE THE DEPTH OF COVER IS LESS THAN 2400mm

1. INCREMENTS OF THICKNESS SHALL BE ADJUSTABLE TO 25mm.
2. IN PROXIMITY OF MAINTENANCE HOLES, CULVERTS, CATCHBASINS, ETC., INSULATION SHALL BE PLACED PER DETAIL W23
3. DEPTH OF COVER LESS THAN 1200mm REQUIRES SPECIAL DESIGN
4. STAGGER JOINTS OF MULTIPLE SHEETS.
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

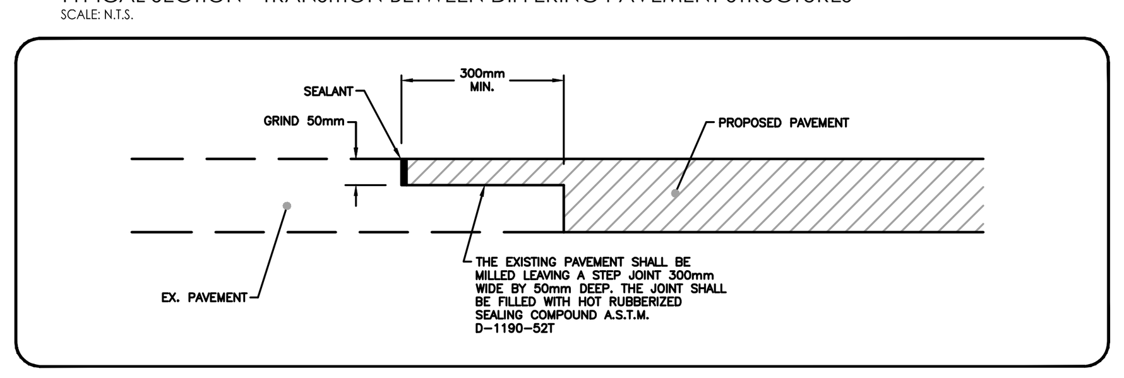
Ottawa	THERMAL INSULATION FOR WATERMAINS IN SHALLOW TRENCHES	DATE:	MAY 2001
		REV. DATE:	MARCH 2013
		DWG. No.:	W22



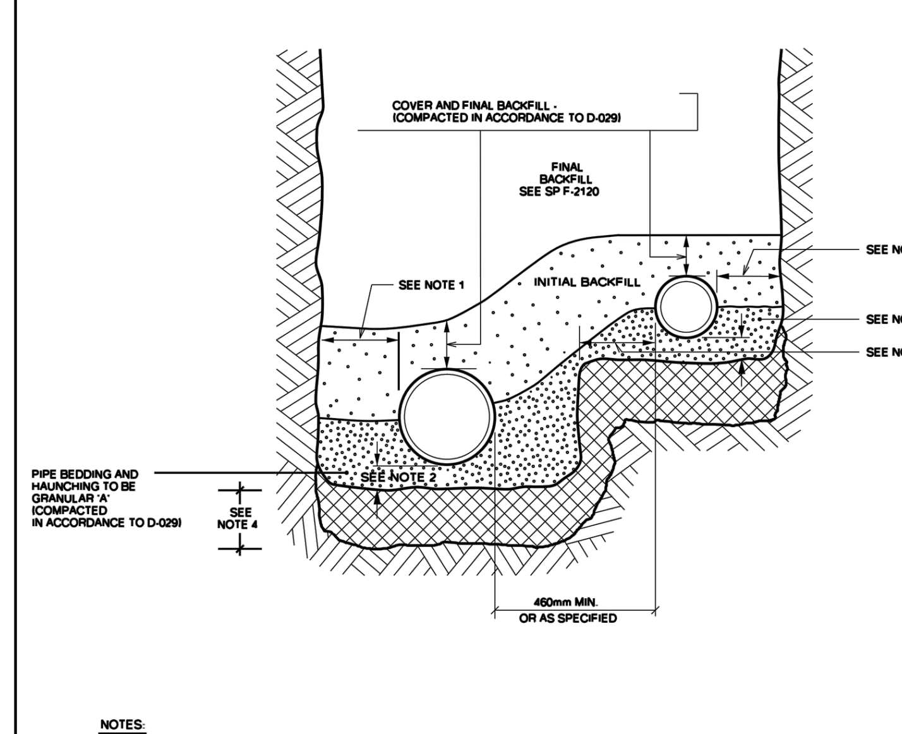
CURB CUT DETAIL
SCALE: N.T.S.



TYPICAL SECTION - TRANSITION BETWEEN DIFFERING PAVEMENT STRUCTURES
SCALE: N.T.S.



MEDIAN/STEP JOINT DETAIL
SCALE: N.T.S.



NOTES:

1.

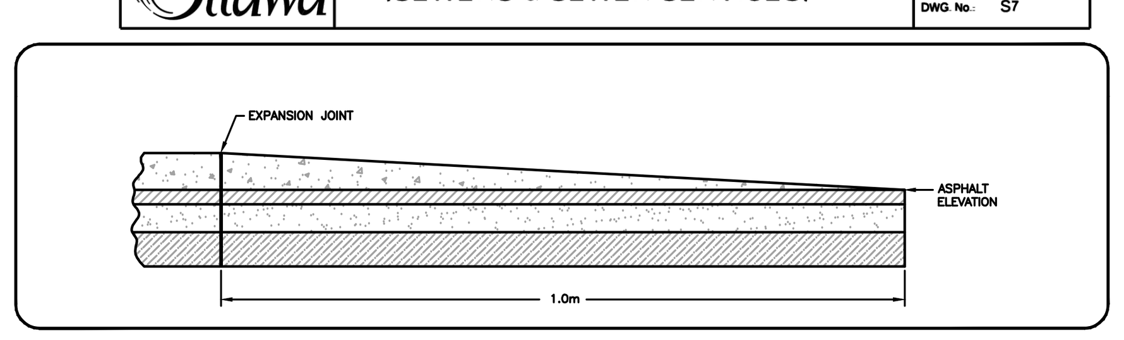
PIPE INSIDE DIAMETER (mm)	CLEARANCE (mm)
150 TO 900	CONC 450 PVC 450
OVER 900	500

2.

CONDITION	SEWER	SERVICES
EARTH	150 Min.	150 Min.
ROCK	300 Min.	150 Min.

3. FINAL BACKFILL - APPROVED NATIVE MATERIAL OR SELECT SUBGRADE IN ACCORDANCE WITH F-2120.
4. WHEN APPROVED BY THE CONTRACT ADMINISTRATOR, POOR SOILS SHALL BE EXCAVATED TO CREATE A FOUNDATION THAT SHALL BE FILLED TO THE BOTTOM OF THE BEDDING WITH GRANULAR 'B'.
5. SEE S11.3 FOR TYPICAL SINGLE, SEMI-DETACHED AND TOWNHOUSE LOT SERVICING
6. INITIAL BACKFILL: CONCRETE PIPE - GRANULAR 'A' OR GRANULAR 'B' WITH 100% PASSING THE 37.5mm SIEVE; PVC PIPE - GRANULAR 'A'

Ottawa	COMBINED TRENCH (SEWERS & SEWER SERVICES)	DATE:	MAY 2001
		REV. DATE:	MARCH 2019
		DWG. No.:	S7



BARRIER CURB END TREATMENT
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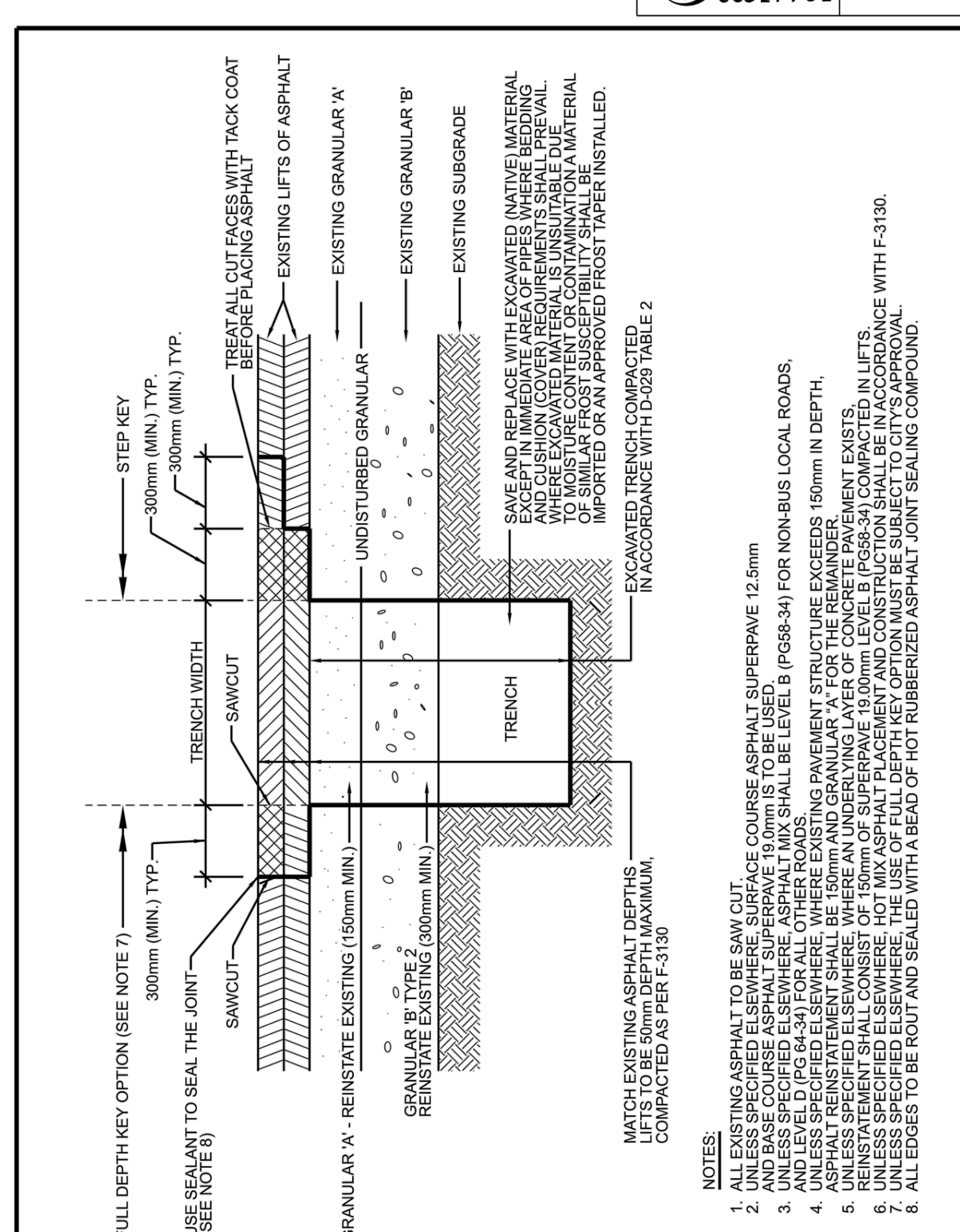

N.T.S.

Ottawa	STANDARD TRENCH REINSTATEMENT IN PAVED SURFACE	DATE:	MAY 2001
		REV. DATE:	MARCH 2021
		DWG. No.:	R10

GENERAL NOTES AND SPECIFICATIONS

1. ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH OPS AND CITY OF OTTAWA STANDARD SPECIFICATIONS AND DRAWINGS AND OPSD SUPPLEMENT. ONTARIO PROVINCIAL STANDARDS WILL APPLY WHERE NO CITY STANDARDS ARE AVAILABLE.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF SAME INCLUDING WATER PERMIT AND ASSOCIATED COSTS.
3. SERVICE AND UTILITY LOCATIONS ARE APPROXIMATE, CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF EXISTING SERVICES AND UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING LOCATES FROM ALL UTILITY COMPANIES TO LOCATE EXISTING UTILITIES PRIOR TO EXCAVATION. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REINSTATEMENT.
4. ALL DISTURBED AREAS SHALL BE REINSTATED TO EQUAL OR BETTER CONDITION TO THE SATISFACTION OF THE ENGINEER & THE CITY. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH OPSD 509.010 AND OPSS 310.
5. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATION FOR CONSTRUCTION PROJECTS". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
6. THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENTATION CONTROL PLAN THAT WILL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE PROTECTION FOR RECEIVING STORM SEWERS OR DRAINAGE DURING CONSTRUCTION ACTIVITIES. THIS PLAN SHALL INCLUDE BUT NOT LIMITED TO FILTER CLOTH ON CATCH BASINS, STRAW BALE CHECK DAMS AND SEDIMENT CONTROLS AROUND ALL DISTURBED AREAS. DEWATERING SHALL BE PUMPED INTO SEDIMENT TRAPS.
7. SITE PLAN PREPARED BY DAVID BLAKELY ARCHITECT, INC.
8. TOPOGRAPHIC SURVEY SUPPLIED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
9. LANDSCAPE ARCHITECTURE PLAN PREPARED BY OTHERS . REFER TO ORIGINAL LANDSCAPE ARCHITECTURE PLAN FOR ALL LANDSCAPING FEATURES (ie. TREES, WALKWAYS, PARK DETAILS, NOISE BARRIERS, FENCES etc.)
10. GEOTECHNICAL INVESTIGATION 63978.79 PREPARED BY HOULE CHEVRIER ENGINEERING DATED MARCH 3, 2016. GEOTECHNICAL INFORMATION PRESENTED ON THESE DRAWINGS MAY BE INTERPOLATED FROM THE ORIGINAL REPORT. REFER TO ORIGINAL GEOTECHNICAL REPORT FOR ADDITIONAL DETAILS AND TO VERIFY ASSUMPTIONS MADE HEREIN.
11. STREET LIGHTING TO CITY OF OTTAWA STANDARDS.
12. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED. DIMENSIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO ENGINEER.
13. THERE WILL BE NO SUBSTITUTION OF MATERIALS UNLESS PRIOR WRITTEN APPROVAL BY THE CONTRACT ADMINISTRATOR AND DIRECTOR OF ENGINEERING HAS BEEN OBTAINED.
14. HERITAGE OPERATIONS UNIT OF THE ONTARIO MINISTRY OF CULTURE TO BE NOTIFIED IF DEEPLY BURRIED ARCHEOLOGICAL REMAINS ARE FOUND ON THE PROPERTY DURING CONSTRUCTION ACTIVITIES.

ROADWORKS

1. ALL TOPSOIL AND ORGANIC MATERIAL TO BE STRIPPED FROM WITHIN THE FULL RIGHT OF WAY PRIOR TO CONSTRUCTION.
2. SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR 'B' COMPACTED IN 0.30m LAYERS.
3. ALL GRANULAR FOR ROADS SHALL BE COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR MAXIMUM DRY DENSITY (SPMDD).
4. ROAD SUBDRAINS SHALL BE CONSTRUCTED AS PER CITY OF OTTAWA STANDARD R1.
5. ASPHALT WEAR COURSE SHALL NOT BE PLACED UNTIL THE VIDEO INSPECTION OF SEWERS & NECESSARY REPAIRS HAVE BEEN CARRIED OUT TO THE SATISFACTION OF THE CONSULTANT.
6. CONTRACTOR TO OBTAIN A ROAD OCCUPANCY PERMIT 48 HOURS PRIOR TO COMMENCING ANY WORK WITHIN THE MUNICIPAL ROAD ALLOWANCE IF REQUIRED BY THE MUNICIPALITY. ALL WORK ON THE MUNICIPAL RIGHT OF WAY AND EASEMENTS TO BE INSPECTED BY THE MUNICIPALITY PRIOR TO BACKFILLING.
7. PAVEMENT REINSTATEMENT FOR SERVICE AND UTILITY CUTS SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD R10, AND OPSD 509.010, AND OPSS 310.
8. CONCRETE CURBS SHALL BE CONSTRUCTED AS PER CITY STANDARD SC1.1 AND SC1.3 (BARRIER OR MOUNTABLE CURB AS SHOWN ON DRAWINGS).
9. CONCRETE SIDEWALKS SHALL BE CONSTRUCTED AS PER CITY STANDARDS SC3 AND SC1.4.
10. PAVEMENT CONSTRUCTION AS PER GEOTECHNICAL INVESTIGATION PREPARED BY HOULE CHEVRIER ENGINEERING LTD.

    HEAVY DUTY PARKING
    40mm SUPERPAVE 12.5
    60mm SUPERPAVE 19.0
    150mm OPSS GRANULAR A BASE
    450mm OPSS GRANULAR B TYPE II

    LIGHT DUTY PARKING
    80mm SUPERPAVE 12.5
    150 OPSS GRANULAR 'A' BASE
    300 OPSS GRANULAR 'B' TYPE II

WATER SUPPLY SERVICING

1. THE CONTRACTOR SHALL CONSTRUCT WATERMAIN, WATER SERVICES, CONNECTIONS & APPURTENANCES AS PER CITY OF OTTAWA SPECIFICATIONS & SHALL CO-ORDINATE AND PAY ALL RELATED COSTS INCLUDING THE COST OF CONNECTION, INSPECTION & DISINFECTION BY CITY PERSONNEL.
2. WATERMAIN PIPE MATERIAL SHALL BE PVC CL.150 DR18. DEFLECTION OF WATERMAIN PIPE IS NOT TO EXCEED 1/2 OF THAT SPECIFIED BY THE MANUFACTURER. PVC WATERMAINS TO BE INSTALLED WITH TRACER WIRE IN ACCORDANCE WITH CITY OF OTTAWA STANDARD W36.
3. WATER SERVICES ARE TO BE TYPE K SOFT COPPER AS PER CITY OF OTTAWA STANDARD W26 (UNLESS OTHERWISE NOTED). WATER SERVICES WITHIN RIGHT OF WAYS TO EXTEND 2.0m BEYOND PROPERTY LINE. STAND POST TO BE INSTALLED AT PROPERTY LINE. WATER SERVICES WITHIN PRIVATE BLOCKS TO EXTEND TO 1.0m FROM PROPOSED FOUNDATIONS. STAND POST TO BE INSTALLED AS SHOWN ON THE SITE SERVICING PLAN (CROSS-SECTION TO BE CONFIRMED PRIOR TO CONSTRUCTION).
4. FIRE HYDRANTS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W18 AND W19.
5. WATER VALVES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W24.
6. WATERMAIN TRENCH AND BEDDING SHALL BE IN ACCORDANCE WITH CITY OF OTTAWA STD. W17 UNLESS OTHERWISE SPECIFIED. BEDDING AND COVER MATERIAL TO BE SPECIFIED BY PROJECT GEOTECHNICAL CONSULTANT.
7. SERVICE CONNECTIONS SHALL BE INSTALLED A MINIMUM OF 2400mm FROM ANY CATCHBASIN, MANHOLE, OR OBJECT THAT MAY CONTRIBUTE TO FREEZING. THERMAL INSULATION SHALL BE INSTALLED ON ALL PROPOSED CB'S ON THE W/M STREET SIDE WHERE 2400mm SEPARATION CANNOT BE ACHIEVED.(AS PER CITY OF OTTAWA W22 & W23)
8. CATHODIC PROTECTION TO BE SUPPLIED ON METALLIC FITTINGS AS PER CITY OF OTTAWA W40 AND W42.
9. THRUST BLOCKS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS W25.3 AND W25.4.
10. WATERMAIN TO HAVE MIN. 2.4m COVER. WHERE WATERMAIN COVER IS LESS THAN 2.4m, INSULATION TO BE SUPPLIED IN ACCORDANCE WITH CITY STANDARD W22.
11. WATERMAIN CROSSINGS ABOVE AND BELOW SEWERS TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W25 AND W25.2.
12. PRESSURE REDUCING VALVES (PRV'S) TO BE INSTALLED AS PER ONTARIO PLUMBING CODE.
13. CONNECTIONS TO EXISTING WATERMAIN ARE TO BE DONE BY CITY FORCES, EXCAVATION AND BACKFILL ARE TO BE PROVIDED BY CONTRACTOR.

STORM AND SANITARY SEWERS

1. SANITARY SEWERS 375mm DIA. OR SMALLER SHALL BE PVC SDR35. SANITARY SEWERS LARGER THAN 375mm SHALL BE CONCRETE CSA A 257.2 CLASS 100D AS PER OPSD 807.010.
2. STORM SEWERS 375mm DIA. OR SMALLER SHALL BE PVC SDR 35. STORM SEWERS LARGER THAN 375mm DIA. SHALL BE CONCRETE CSA A 257.2 CLASS 100-D AS PER OPSD 807.010
3. ALL STORM AND SANITARY SEWER BEDDING SHALL BE INSTALLED AS PER CITY OF OTTAWA STANDARDS S6 AND S7, CLASS "B" BEDDING, UNLESS OTHERWISE NOTED. SUITABLE BEDDING AND COVER MATERIAL TO BE SPECIFIED BY GEOTECHNICAL CONSULTANT.
4. STORM AND SANITARY MANHOLES SHALL BE 1200mm DIAMETER IN ACCORDANCE WITH OPSD-701.01 (UNLESS OTHERWISE NOTED) c/w FRAME AND COVER AS PER CITY OF OTTAWA S24 AND S25. ALL STORM MANHOLES WITH SEWERS 900mm DIA SEWERS AND OVER IN SIZE SHALL BE BENCHED. ALL OTHER STORM MANHOLES SHALL BE COMPLETED WITH 300mm SUMPS AS PER CITY STANDARDS. SANITARY MANHOLES SHALL NOT HAVE SUMPS.
5. ALL SEWERS CONSTRUCTED WITH GRADES 0.50% OR LESS, TO BE INSTALLED WITH LASER AND CHECKED WITH LEVEL INSTRUMENT PRIOR TO BACKFILLING.
6. FOR STORM SEWER INSTALLATION (EXCLUDING CB LEADS) THE MINIMUM DEPTH OF COVER OVER THE CROWN OF THE SEWER IS 2.0m. FOR SANITARY SEWERS THE MINIMUM DEPTH OF COVER IS 2.5m OVER PIPE OBVERT.
7. SAFETY PLATFORMS SHALL BE INSTALLED IN ACCORDANCE WITH OPSD 404.02.
8. DROP STRUCTURES TO BE INSTALLED AS PER CITY OF OTTAWA SPECIFICATIONS AND OPSD 1003.01
9. ALL STORM AND SANITARY SERVICES TO BE EQUIPPED WITH APPROVED BACKWATER VALVES.
10. STORM AND SANITARY SERVICE LATERALS TO BE SDR 28 INSTALLED AT MIN. 1.0% SLOPE. SINGLE STORM SERVICES TO BE 100mmØ, SINGLE SANITARY SERVICES TO BE 135mmØ. (SERVICES WITHIN RIGHT OF WAYS TO EXTEND 2.0m BEYOND PROPERTY LINE. SERVICES WITHIN PRIVATE BLOCKS TO EXTEND TO 1.0m FROM PROPOSED FOUNDATIONS)
11. CATCH BASINS SHALL BE IN ACCORDANCE WITH CITY STANDARDS c/w FRAME AND GRATE AS PER S20, AND S21 FOR REAR YARDS, AND S3 FOR STREET CB'S. PROVIDE 150mm ADJUSTED SPACERS. ALL CATCH BASINS SHALL HAVE SUMPS (600mm DEEP). STREET CATCH BASIN LEADS SHALL BE 200mm DIA.(MIN) PVC SDR 35 AT 1.0% GRADE WHERE NOT OTHERWISE SHOWN ON PLAN. CATCH BASINS WILL BE INSTALLED WITH INLET CONTROL DEVICES (ICD) AS PER ICD SCHEDULE ON STORM DRAINAGE PLAN.
12. STREET CATCH BASINS TO BE INSTALLED c/w SUBDRAINS 3m LONG IN FOUR ORTHOGONAL DIRECTIONS OR LONGITUDINALLY WHEN PLACED ALONG A CURB, AND AT AN ELEVATION OF 300mm BELOW SUBGRADE LEVEL.
13. REAR LOT PERFORATED PIPE TO BE INSTALLED AS PER CITY OF OTTAWA STANDARDS S29. REAR LOT STRUCTURES TO BE INSTALLED AS PER CITY OF OTTAWA STANDARD W30 AND W31.
14. CLAY SEALS TO BE INSTALLED AS PER CITY STANDARD DRAWING NO. S8. THE SEALS SHOULD BE AT LEAST 1.5m LONG (IN THE TRENCH DIRECTION) AND SHOULD EXTEND FROM TRENCH WALL TO TRENCH WALL. GENERALLY, THE SEALS SHOULD EXTEND FROM THE FROST LINE AND FULLY PENETRATE THE BEDDING, SUBBEDDING AND COVER MATERIAL. THE BARRIERS SHOULD CONSIST OF RELATIVELY DRY AND COMPACTABLE BROWN SILTY CLAY PLACED IN MAXIMUM 300mm THICK LOOSE LAYERS COMPACTED TO A MINIMUM OF 95% OF THE MATERIAL'S SPMDD. THE CLAY SEALS SHOULD BE PLACED AT THE SITE BOUNDARIES AND AT STRATEGIC LOCATIONS AT NO MORE THAN 60m INTERVALS IN THE SERVICE TRENCHES. FOR DETAILS REFER TO GEOTECHNICAL INVESTIGATION .
15. GRANULAR "A" SHALL BE PLACED TO A MINIMUM THICKNESS OF 300 mm AROUND ALL STRUCTURES WITHIN PAVEMENT AREA AND COMPACTED TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY.
16. CONTRACTOR SHALL PERFORM LEAKAGE TESTING, IN THE PRESENCE OF THE CONSULTANT, FOR SANITARY SEWERS IN ACCORDANCE WITH OPSS 410 AND OPSS 407. CONTRACTOR SHALL PERFORM VIDEO INSPECTION OF ALL STORM AND SANITARY SEWERS. A COPY OF THE VIDEO AND INSPECTION REPORT SHALL BE SUBMITTED TO THE CONSULTANT FOR REVIEW.

GRADING

1. ALL GRANULAR BASE & SUB BASE COURSE MATERIALS SHALL BE COMPACTED TO 98% STANDARD PROCTOR MAX. DRY DENSITY.
2. SUB-EXCAVATE SOFT AREAS & FILL WITH GRANULAR 'B' COMPACTED IN 0.15m LAYERS.
3. ALL DISTURBED GRASSED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION OR BETTER, WITH SOD ON MIN. 100mm TOPSOIL. THE RELOCATION OF TREES AND SHRUBS SHALL BE SUBJECT TO APPROVAL BY THE PROJECT LANDSCAPE ARCHITECT OR ENGINEER.
4. 100 YEAR PONDING DEPTH TO BE 0.30m (MAXIMUM).
5. EMBANKMENTS TO BE SLOPED AT MIN. 3:1, UNLESS OTHERWISE SPECIFIED.
6. ALL SWALES TO BE MIN. 0.15m DEEP WITH MAX. 3:1 SIDE SLOPES UNLESS OTHERWISE NOTED. THE MINIMUM LONGITUDINAL SLOPE TO BE 1.5% OR 1.0% WHEN PERFORATED SUBDRAIN IS INSTALLED.
7. ALL ROOF DOWNSPOUTS TO DISCHARGE TO THE GROUND ONTO SPLASH PADS AND SHALL NOT BE DIRECTED TO THE STORM SEWER , OR THE BUILDING FOUNDATION DRAIN.
8. TOP OF GRATE (T/G) ELEVATIONS FOR ALL STREET CATCHBASINS SHOWN ON PLANS REFER TO THE ELEVATION AT EDGE OF PAVEMENT, OR GUTTERLINE WHERE APPLICABLE.
9. ALL RETAINING WALLS GREATER THAN 1.0m IN HEIGHT ARE TO BE DESIGNED, APPROVED, AND STAMPED BY STRUCTURAL ENGINEER.
10. FENCES OR RAILINGS ARE REQUIRED FOR RETAINING WALLS GREATER THAN 0.60m IN HEIGHT.
11. EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE.
12. ALL NECESSARY CLEARING AND GRUBBING SHALL BE COMPLETED BY THE CONTRACTOR. REVIEW WITH CONTRACT ADMINISTRATOR AND THE CITY OF OTTAWA PRIOR TO TREE CUTTING.
13. REFER TO DRAWING EC-1 FOR EROSION AND SEDIMENT CONTROL DETAILS.
14. FROST PROTECTION TO BE PROVIDED FOR FOUNDATIONS WHERE DEPTH OF COVER IS LESS THAN 1.5m AS PER GEOTECHNICAL RECOMMENDATIONS.

Stantec

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400 - 1331 Clyde Avenue
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Tel. 613.722.4420
www.stantec.com

Legend

1 ISSUED FOR REVIEW	WAJ	KJK	23.05.17
Revision	By	Appd.	YY.MM.DD

File Name: 160401706-Detailed-DB.dwg	WAJ	KJK	WAJ	22.12.13
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
R. J. B. BRANDRICK
100570025
May 17 2023
PROVINCE OF ONTARIO

Client/Project
CAVANAGH CONSTRUCTION LTD.

TRAIL WEST
AKERSON ROAD BLOCKS 76, 77 & 78
Ottawa, ON, Canada

Title
DETAIL SHEET

Project No.	Scale	
160401706	AS NOTED	
Drawing No.	Sheet	Revision
DS-1	4 of 6	1

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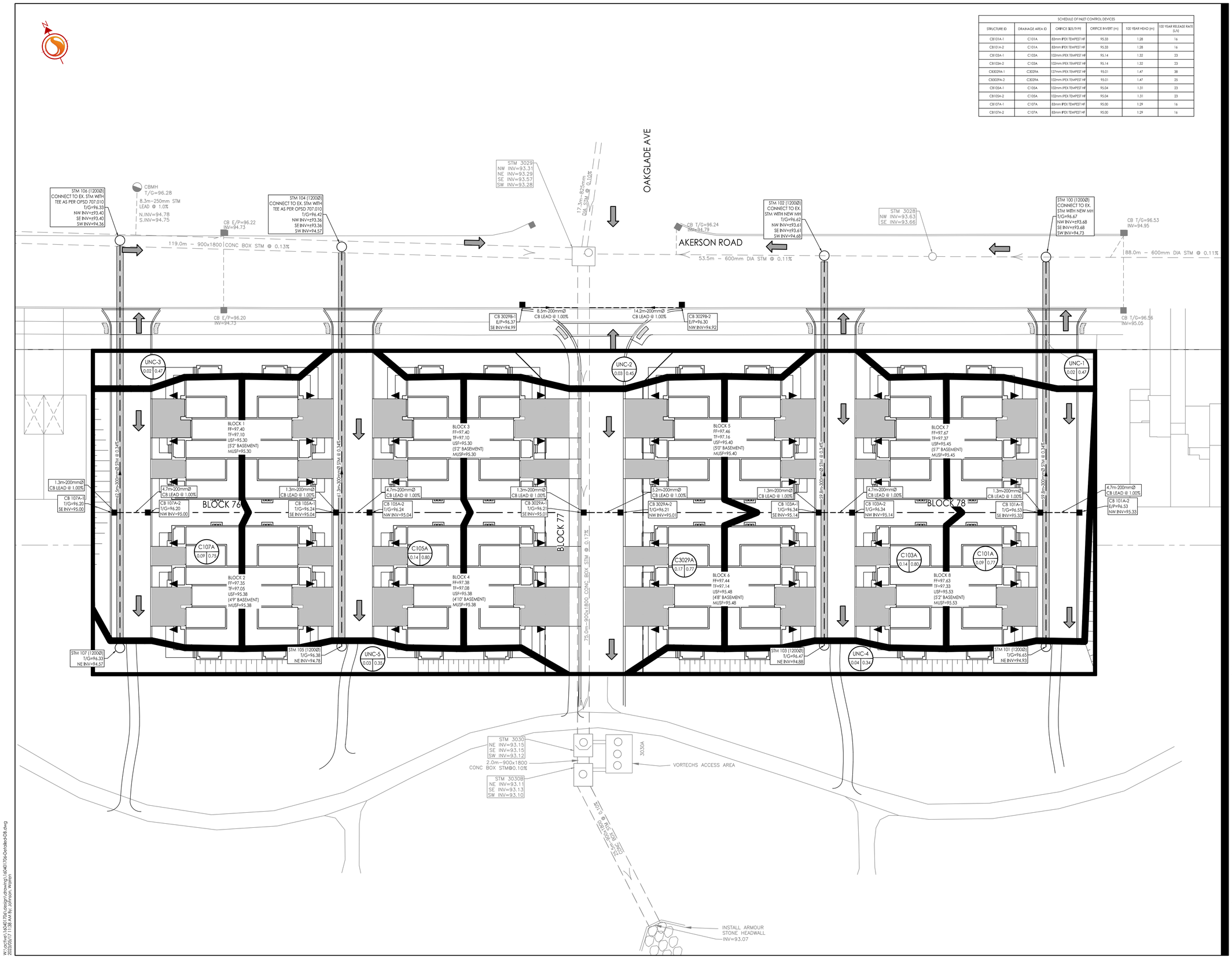
2023/05/17 11:38 AM By: Johnson, Warren

ORIGINAL SHEET - ARCH D

SCHEDULE OF INLET CONTROL DEVICES					
STRUCTURE ID	DRAINAGE AREA ID	ORIFICE SIZE/TYPE	ORIFICE INVERT (m)	100 YEAR HEAD (m)	100 YEAR RELEASE RATE (L/s)
CB101A-1	C101A	83mm IPEX TEMPEST HF	95.33	1.28	16
CB101A-2	C101A	83mm IPEX TEMPEST HF	95.33	1.28	16
CB103A-1	C103A	102mm IPEX TEMPEST HF	95.14	1.32	23
CB103A-2	C103A	102mm IPEX TEMPEST HF	95.14	1.32	23
CB3029A-1	C3029A	127mm IPEX TEMPEST HF	95.01	1.47	38
CB3029A-2	C3029A	102mm IPEX TEMPEST HF	95.01	1.47	25
CB105A-1	C105A	102mm IPEX TEMPEST HF	95.04	1.31	23
CB105A-2	C105A	102mm IPEX TEMPEST HF	95.04	1.31	23
CB107A-1	C107A	83mm IPEX TEMPEST HF	95.00	1.29	16
CB107A-2	C107A	83mm IPEX TEMPEST HF	95.00	1.29	16



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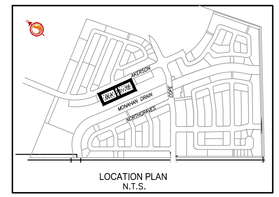
Legend

- PROPOSED STORM SEWER
- PROPOSED DRAINAGE BOUNDARY
- PROPOSED CATCHBASIN
- ST101A / 0.38 / 0.70 — STORM DRAINAGE AREA ID# / C–COEFFICIENT VALUE / DRAINAGE AREA (HA)
- DIRECTION OF OVERLAND FLOW
- WATTS AREA DRAIN OR EQUIVALENT
- EXISTING STORM SEWER
- EXISTING CATCHBASIN MANHOLE
- EXISTING CATCHBASIN
- EXISTING SUBDRAIN CATCHBASIN



1 ISSUED FOR REVIEW	WAJ	KJK	23.05.17
Revision	By	Appd.	YY.MM.DD
File Name: 160401706-Detailed-DB.dwg	WAJ	KJK	WAJ 22.12.13
	Dwn.	Chkd.	Dsgn. YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
R. J. B. BRANDRICK
100570025
May 17 2023
PROVINCE OF ONTARIO

Client/Project
CAVANAGH CONSTRUCTION LTD.

TRAIL WEST
AKERSON ROAD BLOCKS 76, 77 & 78
Ottawa, ON, Canada

Title
STORM DRAINAGE PLAN

Project No.	Scale	Sheet	Revision
160401706	1:250 (0, 2.5, 7.5, 12.5m)		
Drawing No.			
SD-1		5 of 6	1

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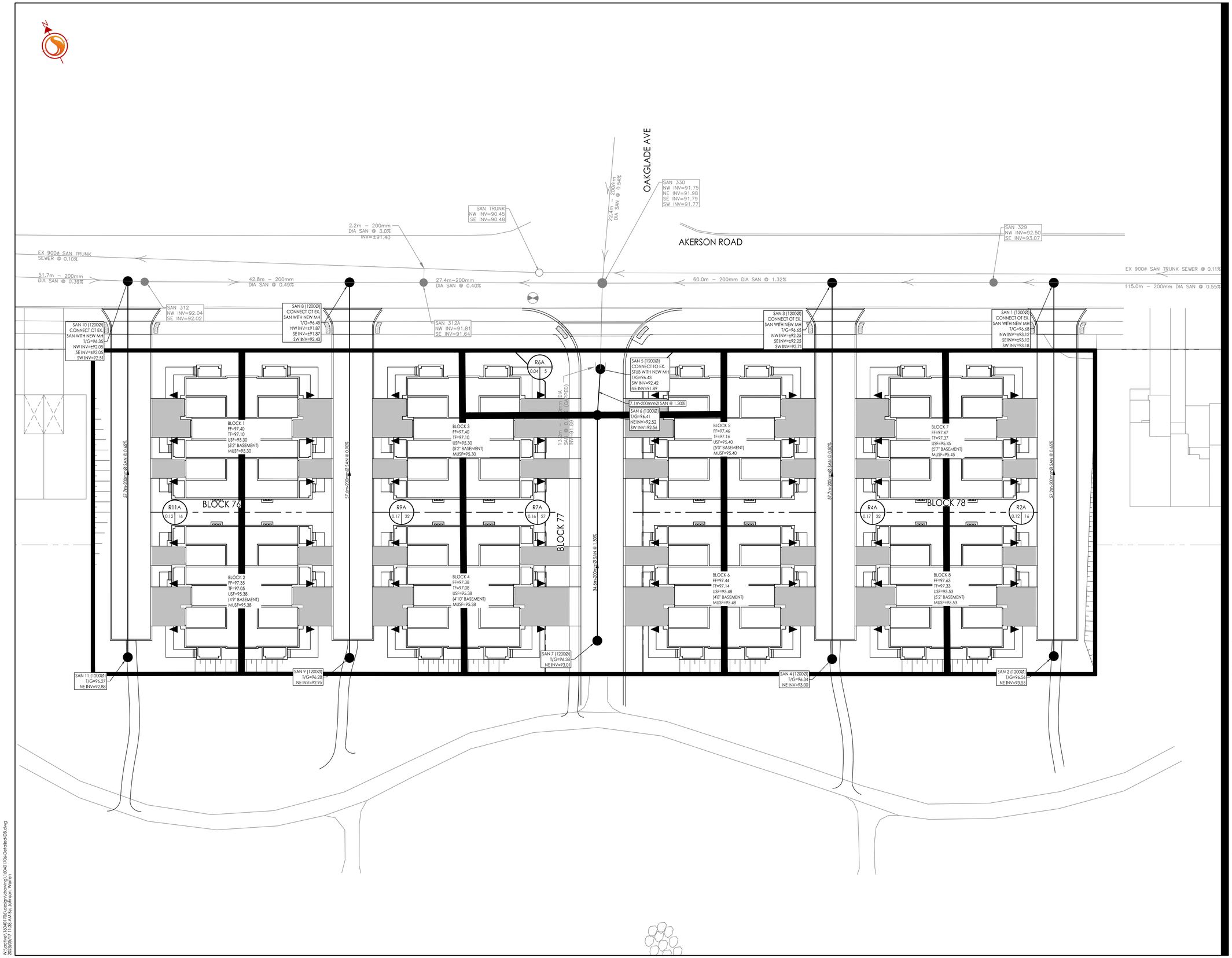
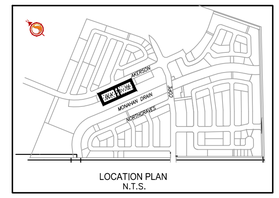
ORIGINAL SHEET - ARCH D





LOCATION PLAN
N.T.S.

Stantec

Stantec Consulting Ltd.
400 - 1331 Clyde Avenue
Ottawa ON
Tel. 613.722.4420
www.stantec.com

Legend

SA1 / 0.38 | 34 — SANITARY DRAINAGE AREA ID#
POPULATION
SANITARY DRAINAGE AREA ha.
SANITARY DRAINAGE AREA
PROPOSED SANITARY SEWER
EXISTING SANITARY SEWER

1	ISSUED FOR REVIEW	WAJ	KJK	23.05.17
	Revision	By	Appd.	YY.MM.DD

File Name: 160401706-Detailed-DB.dwg	WAJ	KJK	WAJ	22.12.13
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

LICENSED PROFESSIONAL ENGINEER
R. J. B. BRANDRICK
100570025
May 17 2023
PROVINCE OF ONTARIO

Client/Project
CAVANAGH CONSTRUCTION LTD.

TRAIL WEST
AKERSON ROAD BLOCKS 76, 77 & 78
Ottawa, ON, Canada

Title
SANITARY DRAINAGE PLAN

Project No.	Scale	
160401706	1:250	0 2.5 7.5 12.5m
Drawing No.	Sheet	Revision
SA-1	6 of 6	1

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2023/05/17 11:38 AM By: rjohnson, Warren

ORIGINAL SHEET - ARCH D