



13030 Lundy's Lane Proposed Plan of Subdivision

Preliminary Stormwater Management Report

Project Location:

13030 Lundy's Lane (Highway 20), Thorold, ON

Prepared for:

RUDANCO Hospitality Corporation

Prepared by:

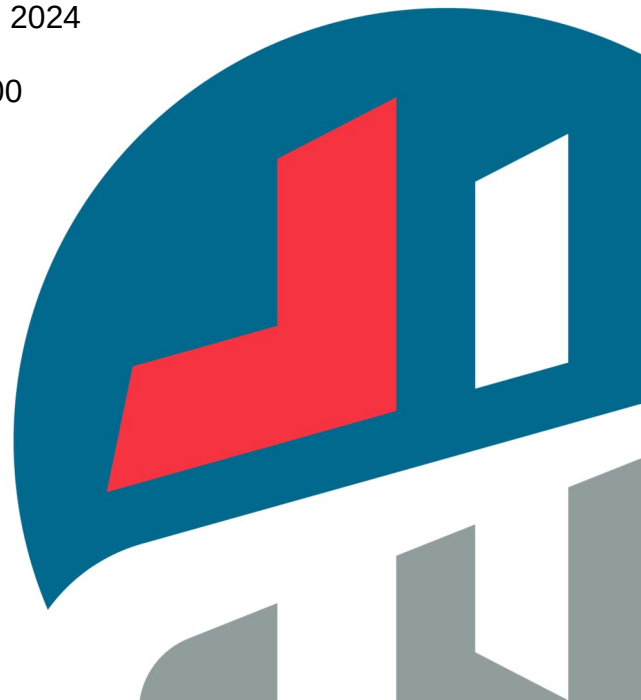
MTE Consultants
1016 Sutton Drive, Unit A
Burlington, ON L7L 6B8

November 23, 2023

Revised: December 14, 2023

Revised: November 26, 2024

MTE File No.: 49428-100





CONTENTS

1.0	Introduction.....	1
1.1	Overview.....	1
1.2	Background Information	4
2.0	Design Criteria.....	5
2.1	Low Impact Development (LID) Considerations	5
3.0	Stormwater Management	7
3.1	Pre-Development Conditions	7
3.2	Post Development Conditions	8
4.0	Stormwater Management Design	9
4.1	Hydrologic Modelling.....	9
4.2	Stormwater Quality Control	9
4.3	Stormwater Quantity Control	12
4.3.1	Outlet Structure.....	12
4.4	Proposed Stormwater Management Facility.....	15
5.0	Erosion and Sediment Control.....	16
6.0	Conclusion and Recommendations	17

Figures

Figure 1.0 – Location Plan	3
----------------------------------	---

Tables

Table 2.1 – Summary of Low Impact Development Screening	6
Table 3.1 - Existing Storm Catchment Areas.....	7
Table 3.2 - Existing Conditions Site Discharge.....	8
Table 3.3 - Post-Development Catchment Parameters	9
Table 4.1 – SWM Facility Water Quality Control Details.....	11
Table 4.2 – Stage Storage-Discharge Information.....	13
Table 4.3 – Maximum Wet Pond Peak Flow, Detention and Ponding Elevations.....	14
Table 4.4 – Proposed Conditions Site Discharge	15

Drawings

Drawing 49428-100 P-ST1 – Preliminary Pre-Development Storm Drainage Area Plan
Drawing 49428-100 P-ST2 – Preliminary Post-Development Storm Drainage Area Plan
Drawing 49428-100 P-SW1.1 – Preliminary SWM Facility Plan
Drawing 49428-100 P-SW1.2 Preliminary SWM Facility Sections
Drawing 49428-100 P-SW1.3 Preliminary SWM Facility Details and Notes
Drawing 49428-100 P-ES2.1 Erosion and Sediment Control Plan Pre-Grading
Drawing 49428-100 P-ES2.2 Erosion and Sediment Control Plan Notes and Details

Appendices

Appendix A	Draft Plan of Subdivision
Appendix B	Pre-Development Hydrologic Modeling
Appendix C	Post-Development Hydrologic Modeling
Appendix D	SWM Facility Design
Appendix E	Pond SWM Facility Operations & Maintenance Manual

1.0 INTRODUCTION

1.1 Overview

MTE Consultants Inc. was retained by Rudanco Hospitality Corporation (“Rudanco”) to complete a preliminary Stormwater Management Design in support of an application for Draft Approval of Plan of Subdivision at 13030 Lundy’s Lane in the City of Thorold, Region of Niagara. The property is referred to herein as the ‘Subject Lands’ (see Figure 1 for Location Plan). The total area of the Subject Lands is approximately 23.0ha and includes two parcels separated by lands owned by Hydro One (“hydro corridor”).

As shown in Figure 1, the Subject Lands are located at the northwest corner of Provincial Highway 20 (Lundy’s Lane) and Thorold Townline Road (Regional Road 70). The Subject Lands extend from Thorold Townline Road at the east limits to the planned Rolling Meadows Subdivision approximately 400m west, and from Highway 20 at the south limits to approximately 600m north where it is bound by agricultural lands. The majority of the Subject Lands comprise vacant land with field crop vegetation. There is a closed motel and associated parking areas at the south of the Subject Lands. The Subject Lands are divided by a Hydro One corridor which runs through the north end of the Subject Lands in a generally southwest to northeast direction, as shown in Figure 1.

The Subject Lands are currently drained by nine outlets located along the perimeter of the Lands. Outlet 1, located at the northeast corner of the Subject Lands, conveys uncontrolled flows overland into the Thorold Townline Road ditch then easterly through two existing 450mm diameter CSP culverts beneath Thorold Townline Road ultimately flowing north. Outlet 2 and Outlet 3 are located at the east boundary of the Subject Lands and each gather flows from the existing lands in respective swales which both outlet into the Thorold Townline Road ditch. Outlet 2 and Outlet 3 then converge in the abutting ditch just outside the property boundary and prior to entering an existing 600mm diameter CSP culvert crossing beneath Thorold Townline Road. These two outlets will be represented by one pre-development catchment. Outlet 4 is located at the southwest corner of the site and drains onto adjacent lands via a 300mm diameter CSP pipe which outlets to a grassed swale outside the property limits. Outlets 5, 6 and 9 are located along the west perimeter of the Subject Lands and each convey uncontrolled flows overland by sheet flow to the adjacent Rolling Meadows lands. Outlet 7 is located along the north perimeter of the site and drains uncontrolled flows overland by sheet flow to the north onto adjacent agricultural lands. Outlet 8 is not within the Subject Lands, but is the point at which the Hydro One corridor through the Subject Lands discharges to the Hydro One Corridor within through the Rolling Meadows Lands. Flows leaving the Subject Lands via Outlets 1, 2, 3 and 7 converge downstream in a watercourse approximately 300m northeast of the Subject Lands, east of Thorold Townline Road.

A Draft Plan of Subdivision has been prepared for the proposed development by Bousfields Inc. and forms the basis for the proposed servicing and stormwater management concepts. The Draft Plan of Subdivision, included in Appendix A, includes single detached residential lots, townhouse residential blocks, mixed-use commercial, mixed-use residential, condominium townhouse blocks, a potential pumping station block, park blocks, stormwater management pond block, a public lane and municipal rights-of-way.

The Draft Plan includes the following:

- Ten municipal roads (Streets A – J);
- Five Public Lanes (Lanes A – E);

- Single detached residential lots totaling 82 lots (Lots 1-39, 41-83);
- On-Street Townhouse blocks (Blocks 84-96), including an estimated 206 units;
- Rear Lane Townhouse blocks (Blocks 97-106), including an estimated 34 units;
- Condominium Townhouse block (Block 110), including an estimated 48 units;
- Mixed Use block (Block 109) including an estimated 167 residential apartment units and 7,309sm retail Gross Floor Area;
- Residential Apartment blocks (Blocks 107, 108) including an estimated 1,223 residential apartment units;
- Stormwater Management Pond block (Block 112);
- Park blocks (Block 113-114); and
- Road Widening block (Block 115).



PROJECT

**PROPOSED PLAN OF SUBDIVISION
13030 LUNDY'S LANE**

TITLE

LOCATION PLAN

Drawn	LXQ	Scale	NTS
Checked	RSM	Project No.	49428-100
Date	2023-10-06	Rev No.	0

Figure

F1.1

1.2 Background Information

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

- Ref.1: *Preliminary Geotechnical Investigation Proposed Residential Development 13030 Lundy's Lane, Allanburg, Ontario*, Soil-Mat Engineers & Consultants Ltd. (July 23, 2021).
- Ref.2: *Erosion and Sediment Control Guidelines for Urban Construction*, Greater Golden Horseshoe Conservation Authorities (2006).
- Ref.3: *NPCA Stormwater Management Policies (2010)*.
- Ref.4: *City of St. Catharines Engineering Standards Manual*, City of St. Catharines, (June, 2015).
- Ref.5: *MOE Stormwater Management Practices Planning and Design Manual*, Ministry of the Environment (March 2003).
- Ref.6: *Erosion and Sediment Control Guide for Urban Construction*, Toronto and region Conservation Authority, 2019.
- Ref. 7: *Test Pit Study – Groundwater Considerations Proposed Residential Development 13030 Lundy's Lane Niagara Falls, Ontario*, Soil-Mat Engineers & Consultants Ltd. (November 21, 2024).

A preliminary geotechnical investigation was prepared by Soil-Mat Engineers & Consultants Ltd. dated July 23, 2021. Ten (10) boreholes were driven to depths between 5.2m and 12.2m below the existing ground surface. Four (4) monitoring wells were installed at Boreholes 1, 5, 6 and 9.

In general, the boreholes driven at the site penetrated fill and topsoil overlaying clayey silt to a depth of 3 to 4 meters decreasing in clay content past this point to predominantly silt with some clay. Soils were generally classified as 'C.L. Inorganic clays of low plasticity' to 'C.H. Inorganic clays of medium to high plasticity'. The report indicates that the soils would be well suited to provide an impermeable liner for a stormwater management pond and are not considered suitable for low impact development (LID) stormwater management systems.

Based on the geotechnical report, an SCS Curve Number (CN) of 79 was used for pervious surfaces in runoff calculations.

Groundwater level readings taken to date conservatively indicate a groundwater level at 1.5 to 2 meters below the existing grade, at an elevation of roughly 183.5 to 186.5 meters.

To gain a better understanding of groundwater levels throughout the Subject Lands, test pits were excavated in November 2024 to depths of 2.2 – 2.7m below existing ground, and no groundwater was contacted, as documented by Soil-Mat (Ref. 7). Based on this test pit data, groundwater is not expected at low rise building footing elevations. Nevertheless, it is recommended that the groundwater level be confirmed at the detailed design stage.

2.0 DESIGN CRITERIA

The stormwater management design criteria for the subject site as established by the Region of Niagara are as follows:

- i. A baseline study is required to investigate the existing stormwater drainage conditions and constraints (e.g. hydraulic capacity, flood, erosion, etc.) in the outlet watersheds, assess future development impacts and identify the stormwater management requirements.
- ii. Provide “Enhanced” level 1 water quality treatment (80% TSS removal);
- iii. Attenuation of the post-development peak flows for the 2- to 100-year storm events to the pre-development (existing) peak flows. Thorold Townline Road and Lundy’s Lane shall not be negatively affected as a result of development; and
- iv. Identify the feasible Low Impact Development/Green Infrastructure practices in order to mitigate impact on the downstream receiving creeks.

2.1 Low Impact Development (LID) Considerations

The geotechnical investigation for the Subject Lands estimates the coefficient of hydraulic conductivity to range from 10^{-7} to 10^{-8} cm/s for the clay and silt soils on site. The values relate to approximate infiltration rates of <6 mm/hr for both clay and silt soils. These Design Infiltration Rates are well below the MECP’s recommended minimum of 15 mm/hr for infiltration design.

A screening of potential LID measures has been completed for the project, in accordance with the Low Impact Development Stormwater Management Planning and Design Guide Version 1.0 (Ref. 2). A summary of the screening of each LID measure considered for the project is included in Table 2.1.

Table 2.1 – Summary of Low Impact Development Screening

LID Measure	Degree of Feasibility	To Be Implemented on Site? (Yes/No/ Maybe)	Discussion
Lot-level Rain Barrels	Feasible	Maybe	Builder preference to be determined.
Lot-Level Cisterns	Feasible	No	Lot-level cisterns could provide SWM quantity control for the development. However, a more efficient result can be achieved with a communal SWM facility.
Green roof	Feasible on Mixed Use Blocks	Maybe	Green roof technology not suited to sloped low- and medium-density residential rooftops. Could be implemented on flat roofed High Density and Commercial blocks. To be determined at Site Plan stage for each block.
Roof Downspout Disconnection	Feasible	Yes	
Soakaways, Infiltration Trenches or Chambers	Not Feasible	No	Site soils are inadequate for infiltration.
Bioretention	Feasible	Maybe	Could be implemented on Mixed Use and/or High Density Blocks. To be determined at Site Plan stage for each block.
Biofilter (filtration only Bioretention design)	Not Feasible	No	No suitable location on plan.
Vegetated Filter Strip	Somewhat Feasible	No	
Permeable Pavement	No	No	Site soils are inadequate for infiltration.
Increased Topsoil Depth	Feasible	Yes	Increased topsoil depth (up to 0.35m depth) can be utilized on all lots, increasing the soil water storage volume and infiltration potential.
Enhanced Grass Swale	Not feasible	No	No suitable location on plan.
Dry Swale	Not feasible	No	No suitable location on plan.
Perforated pipe system	Not feasible	No	Due to the low infiltration potential of site soils, perforated storm sewers are generally not feasible in this development.

3.0 STORMWATER MANAGEMENT

3.1 Pre-Development Conditions

Under pre-development conditions, the Subject Lands were delineated into eight sub-catchments. **Drawing 49428-100 P-ST1 Preliminary Pre-Development Storm Drainage Area Plan** (appended) provides an illustration of the pre-development sub-catchment areas, and **Table 3.1** provides a brief description of each sub-catchment area as well as the design parameters used in the hydrologic modeling. Catchments were delineated to illustrate runoff areas tributary to their respective outlets discussed.

Catchment 102 includes drainage areas tributary to both Outlet 2 and Outlet 3 since flows from these two outlets converge within the Thorold Townline Road ditch prior to entering the existing 600mm diameter CSP culvert and crossing Thorold Townline Road.

Table 3.1 - Existing Storm Catchment Areas

Catchment ID	Catchment Description	%Imp	Area (ha)	Pervious CN
101	Undeveloped Site – Outlet 1	5	3.15	79
102	Existing Conditions – Outlets 2 & 3	12	14.73	79
103	Undeveloped Site – Outlet 7	5	1.47	79
104	Existing Conditions – Outlet 4	53	0.95	79
105	Undeveloped Site – Outlet 5	5	3.32	79
106	Undeveloped Site – Outlet 6	5	0.36	79
107	Undeveloped Site – Outlet 7	5	0.15	79
108	Hydro Corridor – Outlet 8	5	0.08	79
	Total		24.21	

The existing conditions were assessed using the Visual OTTHYMO 6.2 (VO6) hydrologic modeling software developed by Smart City Water Inc for the 2 to 100-year 24 hour SCS synthetic design storms, the 2 to 100-year 3 hour Chicago synthetic design storms, and the 25mm 4-hour Chicago water quality storm event, all based on City of St. Catharines design rainfall data. The rainfall parameters inputted into the VO6 models for the design storms are included in **Appendix B**. Table 3.2 summarizes the existing conditions site discharge rates for each of the aforementioned design storm events.

Table 3.2 - Existing Conditions Site Discharge

Storm Event		Site Discharge to (Q (m³/s) ^A)							
		Outlet 1 & 7	Outlet 2 & 3	Total Outlet 1, 2, 3, 7	Outlet 4	Outlet 5	Outlet 6	Outlet 8	Outlet 9
		Town-line Ditch North	Town-line Ditch East	Toward Water-course to East	Ad-jacent Lot	Rolling Meadows	Rolling Meadows	Rolling Meadows	Hydro Corridor
24 Hour SCS Distribution	2-yr	0.261	0.621	0.857	0.108	0.175	0.026	0.007	0.012
	5-yr	0.354	0.845	1.166	0.142	0.238	0.036	0.009	0.017
	10-yr	0.435	1.041	1.436	0.168	0.293	0.044	0.012	0.020
	25-yr	0.559	1.339	1.846	0.188	0.377	0.056	0.015	0.026
	50-yr	0.651	1.563	2.154	0.219	0.440	0.065	0.017	0.030
	100-yr	0.756	1.817	2.504	0.250	0.511	0.076	0.020	0.035
3 Hour Chicago Distribution	2-yr	0.101	0.253	0.344	0.059	0.069	0.010	0.003	0.005
	5-yr	0.147	0.367	0.498	0.077	0.100	0.015	0.004	0.007
	10-yr	0.185	0.459	0.625	0.092	0.126	0.018	0.005	0.009
	25-yr	0.246	0.611	0.831	0.112	0.167	0.024	0.007	0.011
	50-yr	0.295	0.734	0.997	0.132	0.201	0.029	0.008	0.014
	100-yr	0.352	0.873	1.188	0.151	0.240	0.035	0.010	0.016
4hr-Chicago Distribution	25mm WQ	0.045	0.114	0.154	0.042	0.033	0.004	0.001	0.0002
^A Catchment discharge taken from VO6 output; Refer to Appendix B.									

A copy of the pre-development VO6 modeling output files, along with a pre-development hydrologic connectivity schematic, are included in **Appendix B**.

3.2 Post Development Conditions

The post development conditions drainage pattern was delineated by six sub-catchment areas (see **Drawing 49428-100 P-ST2 Preliminary Post-Development Storm Drainage Area Plan** (appended)).

Table 3.3 provides a brief description of each sub-catchment area as well as the design parameters used in the hydrologic modeling.

Minor stormwater runoff (i.e. up to the 5-year storm event) from the site will be collected by an internal storm sewer system that will convey storm flows to a proposed stormwater management pond at the northeast of the property. Stormwater management controls will be implemented upstream of the outlet to control post-development site discharge to the

appropriate pre-development levels. Due to grading constraints, short transition slopes along the north property line will continue to drain uncontrolled towards adjacent lands. Along the west limits of the Subject Lands, rear lot catchbasins are included as needed to ensure no site runoff is discharged towards Rolling Meadows lands.

The proposed conditions were assessed using the Visual OTTHYMO (VO6) hydrologic modeling program developed by Smart City Water for the 2 to 100-year 24 hour SCS type II design storms.

Table 3.3 - Post-Development Catchment Parameters

Sub-Catchment	Description	Area (ha.)	% Impervious	Pervious Flow Length (m)	Impervious Flow Length (m)	Pervious Slope (%)	Impervious Slope (%)	Pervious CN
201	Open Space, Park, Hydro Corridor to SWM Facility	1.68	10	100	20	2.0	1.0	80
202	Uncontrolled to Townline Ditch - Street K	0.13	60	10	30	2.0	1.0	80
203	Uncontrolled to Townline Ditch -Street A	0.10	60	10	30	2.0	1.0	80
204 ²	Development Area to SWM Pond	20.67	75	30	40	2.0	1.0	90
205	Uncontrolled Hydro Corridor, to Hydro Corridor	0.10	5	15	5	2.0	1.0	80
206	SWM Facility Block	1.53	50	2	10	33.0	2.0	80
		24.21	62					
¹ Pervious CN based on SCS Soil Class D.								
² Pervious CN based on SCS Soil Class D, Road.								

4.0 STORMWATER MANAGEMENT DESIGN

4.1 Hydrologic Modelling

Hydrologic models were developed to provide quantitative estimates of flows across the study area under existing and proposed development conditions. The rainfall event simulation model Visual OTTHYMO was used to simulate response to the 2 to 100-year 24 hour SCS synthetic design storms, the 2 to 100-year 3 hour Chicago synthetic design storms, and the 25mm 4-hour Chicago water quality storm event, all based on City of St. Catharines design rainfall data. Post-development Visual OTTHYMO modelling output files are included in **Appendix C**, along with a post-development hydrologic connectivity schematic.

4.2 Stormwater Quality Control

A Wet Pond SWM facility is proposed to provide water quality and quantity control treatment for runoff from the Subject Lands. Wet pond SWM facilities offer the benefits of dilution and settling

of sediment within the forebay and the wet pond components. During the detailed design stage, a planting scheme will be prepared that carefully selects plant species and their location in and around the basin to stabilize banks, mitigate temperature increases, deter waterfowl from nesting within the area, and provide aesthetics and safety benefits.

The proposed SWM facility includes a sediment forebay and a main pool. The sediment forebay is located at the west end of the SWM block and will accept minor storm event flows originating from the majority of the Subject Lands. Major storm flows are diverted around the sediment forebay to avoid resuspension of solids. The maximum and minimum depths of the forebay are 2.0m and 0.8m, respectively. The maximum design depth would be available immediately following construction and after sediment clean-out operations. The minimum design operating depth is that which occurs prior to the required clean-out operations. Maintenance of the top portion of the forebay at all points in the sediment accumulation / clean-out cycle minimizes the potential for scour and re-suspension of previously settled sediments. The wet pond portion of the Pond has been designed with a 1.5 m deep permanent pool feature.

Since the majority of annual rainfall occurs in storms less than or equal to a 25mm event, the majority of water borne sediment is also transported to the SWM facility in these less intense events. Therefore, the sediment forebay is designed targeting the smaller flows. Furthermore, since larger storm events will have greater peak flows, there is potential for resuspension of accumulated sediment. Thus, the smaller flows into the forebay should be separated from the larger flows which should enter the main pond directly. To achieve this objective, the overland (major) flow route bypasses the sediment forebay and enters the main pool directly.

Forebay design is based on classic particle settling and flow dispersion equations as presented in the MOE 2003 Stormwater Management Practices Planning and Design Manual. The methodology presented in that document suggests that the design flow for the forebay should be taken as the peak outflow from the facility. Sediment forebay design calculations are included in **Appendix D**.

The clean-out frequency for the proposed SWM facilities can be found in the forebay design calculations in **Appendix D**.

Based on the MOE's 2003 Stormwater Management Guidelines, an Enhanced Level of water quality protection is required. Quality control measures proposed will take the form of a wet pond SWM facility. **Table 4.1** outlines the proposed Pond SWM facility design. **Appendix D** includes main pond draw down calculations.

Table 4.1 – SWM Facility Water Quality Control Details

General	Pond Characteristics
Wet Pond Stormwater Management Facility	Enhanced Quality Control
Total Contributing Area	23.92 ha
Imperviousness	68.8%
Main Pool Bottom Elevation	178.70 m
Pond Side Slopes (below Top of Freeboard) H:V	4:1 below Freeboard, 7:1 within 3m of the PWL, 3:1 to bottom of pond
Storage	
Unit Area Storage Volume Requirements as per SWMMP (MOE 2003)	222.3 m ³ /ha
Required Total Volume	5,317 m ³
Permanent Pool	182.3 m ³ /ha
Required Permanent Pool Volume	4,630 m ³
Permanent Pool Volume Provided	
Sediment Forebay	1,642 m ³
Main Pool	3,994 m ³
Total	5,636 m ³
Permanent Pool Elevation	180.30 m
Extended Detention	
Minimum Required Volume (based on 40 m ³ /ha)	957 m ³
Extended Detention Volume Provided	3,003 m ³
Approximate Drawdown Time	41.7 hr
Extended Detention Elevation	180.88 m
Peak Release Rate for Extended Detention (Quality)	0.101 m ³ /s
Sediment Forebay	
Required Forebay Length	30.0 m
Actual Forebay Length	67.0 m
Permanent Pool Elevation	180.30 m
Bottom Elevation	178.30 m

General	Pond Characteristics
Outlet Controls	
Orifice 1 (Extended Detention) Diameter	150 mm
Orifice 1 Invert Elevation	180.30 m
Orifice 2 Diameter	750 mm
Orifice 2 Invert Elevation	180.70 m
Weir Crest Breadth	1.3 m
Weir Crest Elevation	182.30 m
Weir Side Slopes (below top of freeboard elevation)	3:1 H:V

4.3 Stormwater Quantity Control

Stormwater quantity controls are required to attenuate flows from Catchments 201, 204 and 206. Runoff from these catchments is controlled by two stages of outlets from the SWM Pond near Outlet 1 at Thorold Townline Road. All other catchments can meet their respective predevelopment condition peak flow rates in an uncontrolled state.

Runoff from Catchments 201 and 206 is directed to the stormwater management pond overland via sheet flow.

Runoff from minor (5yr) storm events from Catchment 204 will be conveyed to the Pond via the proposed storm sewer network which flows into the sediment forebay.

Major flows (>5yr) from Catchment 204 will be conveyed to the Pond via overland flow routes along the proposed roadways, bypassing the forebay and flowing directly into the main pool of the pond.

4.3.1 Outlet Structure

A multi-stage outlet structure has been proposed for use in the SWM facility.

The low-flow outlet of the Pond includes a Hickenbottom outlet structure and 150 mm diameter reverse-slope pipe which will provide control for the 25mm water quality storm events. A second orifice, with a diameter of 750mm and invert 0.40m above the permanent pool water level provides peak flow control for the 2- through 100-year storm events. A spillway weir having a 1.3m crest width, 3:1 side slopes and weir crest elevation 2.0m above the permanent water level is provided for emergency pond discharge only, and is not active under design storms up to and including the 100-year event. This emergency spillway discharges to the Thorold Townline Road ditch near existing culverts crossing the road, and is set above the low point of the centreline of Thorold Townline Road, to ensure emergency discharge from the SWM facility can cross Thorold Townline Road and continue downstream to the receiving watercourse via the existing overland flow route. The two orifice outlets converge in an outlet maintenance hole, which discharges directly to the watercourse east of Thorold Townline Road via a 1200mm dia. storm sewer and outlet headwall. Downstream of Thorold Townline Road, the alignment of the proposed storm sewer passes through external lands owned by Walker Aggregates. Rudanco is working with Walker to prepare a legal agreement as will be required for this outlet

to be created, and to create an easement over the sewer and outlet headwall to allow the City of Thorold to maintain the outlet in the long term. At the appropriate time, Rudanco will involve the City in this process to ensure the details of the agreement and easement are to the City's satisfaction.

Stage-storage-discharge relationships for the proposed SWM facility are shown below in **Table 4.2**. Detailed stage-storage-discharge relationships for the SWM facilities are provided in **Appendix D**.

Table 4.2 – Stage Storage-Discharge Information

Elevation (m)	Discharge (m ³ /s)	Volume (m ³)	Remarks
180.30	0	0	Permanent Pool Elevation; 150mm dia. Orifice Invert
180.70	0.028	2,011	750mm dia. Orifice Invert
180.88	0.101	3,003	Enhanced WQ Storage Volume
181.20	0.4813	4,965	
181.70	1.0314	8,413	
182.30	0.948	13,200	Emergency Spillway Weir Crest
183.50	4.010	25,362	Top of Freeboard

A summary of the peak flows for the post-development conditions controlled by the pond is summarized in **Table 4.3**. Visual OTTHYMO output files for the quantity control modeling can be found in **Appendix C**.

A summary of the peak discharge rates from the pond, as well as maximum ponding elevation, depth and storage volume used under each design storm is provided in **Table 4.3**.

Table 4.3 – Maximum Wet Pond Peak Flow, Detention and Ponding Elevations

Storm Event		Peak Discharge (m ³ /s)	Max. Ponding Elevation (m)	Max. Detention Depth (m)	Max. Storage Volume Used (m ³)
4 hour Chicago Distribution	25 mm WQ	0.094	180.88	0.58	2,820
24 Hour SCS Distribution	2 Year	0.621	181.30	1.00	5,590
	5 Year	0.824	181.47	1.17	6,780
	10 Year	0.956	181.62	1.32	7,800
	25 Year	1.118	181.83	1.53	9,300
	50 Year	1.218	181.95	1.65	10,380
	100 Year	1.317	182.10	1.80	11,580
3 Hour Chicago Distribution	2 Year	0.243	180.62	0.32	3,800
	5 Year	0.368	180.75	0.45	4,450
	10 Year	0.478	181.19	0.89	4,950
	25 Year	0.643	181.31	1.01	5,710
	50 Year	0.749	181.39	1.09	6,340
	100 Year	0.864	181.52	1.22	7,040

A summary of the peak flows for the post-development conditions is provided in **Table 4.4**. Comparing this to Table 3.2, it is evident that the post-development peak flows can be attenuated to pre-development levels under each design storm event at each outlet, and at the downstream watercourse where flows from Outlets 1, 2, 3, 7 and the SWM facility confluence. Visual OTTHYMO output files for the quantity control modeling can be found in **Appendix C**.

Table 4.4 – Proposed Conditions Site Discharge

Storm Event	Site Discharge to (m ³ /s) ^A									
	Out -let 1 ^B	Outlet 2	Out -let 3	Out -let 4	Out -let 5	Out -let 6	Out -let 7	Outlet 8	Out -let 9	Total Outlet 1, 2, 3, 7 & SWM Facility
										Toward Watercourse to East
4 hour Chicago Distribution										
25mm WQ	0	0.016	0	0	0	0	0	0.001	0	0.094
24 Hour SCS Distribution										
2-yr	0	0.033	0	0	0	0	0	0.005	0	0.621
5-yr	0	0.042	0	0	0	0	0	0.007	0	0.824
10-yr	0	0.049	0	0	0	0	0	0.008	0	0.956
25-yr	0	0.060	0	0	0	0	0	0.010	0	1.118
50-yr	0	0.067	0	0	0	0	0	0.012	0	1.218
100-yr	0	0.076	0	0	0	0	0	0.014	0	1.317
3 Hour Chicago Distribution										
2-yr	0	0.022	0	0	0	0	0	0.002	0	0.243
5-yr	0	0.029	0	0	0	0	0	0.003	0	0.368
10-yr	0	0.034	0	0	0	0	0	0.004	0	0.478
25-yr	0	0.042	0	0	0	0	0	0.005	0	0.643
50-yr	0	0.048	0	0	0	0	0	0.006	0	0.749
100-yr	0	0.055	0	0	0	0	0	0.007	0	0.864
^A Catchment discharge taken from VO6 output; Refer to Appendix B and Appendix C. ^B Post-development discharge to Outlet 1 is the portion of the SWM facility outflow which is discharged via the weir to the Thorold Townline Road west ditch.										

4.4 Proposed Stormwater Management Facility

Details of the proposed SWM facility are provided on MTE Drawings **49428-100 P-SW1.1 – Preliminary SWM Facility Plan**, **49428-100 P-SW1.2 Preliminary SWM Facility Sections** and **49428-100 P-SW1.3 Preliminary SWM Facility Details and Notes**, enclosed. The following list of SWM facility design characteristics, read in conjunction with the above drawings, outlines all significant design aspects and rationales:

- The Pond has been designed as a wet pond facility with sufficient permanent and active storage volumes to achieve an Enhanced level of Water Quality protection.

- The outlet control structure for the SWM facility will be in the form of a bottom draw with a 150 mm diameter low flow orifice, and a secondary 750 mm diameter orifice. A 1.3m wide emergency outlet spillway weir with 3:1 side slopes is provided above the 100-year ponding level. The low-flow outlet pipe has been designed to provide a minimum of 24 hours of drawdown time for the extended detention volume.
- The low-flow outlet is discharged to Beaverdams Creek east of Thorold Townline Road via an outlet pipe and headwall.
- An access/maintenance road of 4m width has been incorporated into the design of the SWM facility to ensure sufficient access to the inlet and outlet structures and forebay for ease of inspection and maintenance. A maximum longitudinal grade of 10%, maximum cross-fall of 2% and a minimum centreline radius of 12m are proposed.
- The design of the SWM facility has incorporated internal side slopes of 7:1 or flatter (for safety) throughout the facility 3m horizontally above and below the permanent water level where pedestrian access could be achieved. Beyond the top of freeboard elevation, minimum side slopes of 3:1 H:V are provided. Between the top of freeboard and the 7:1 slope, 4:1 slopes are provided.
- Minimum freeboard of 0.3m has been provided to the top of the berming on all sides of the SWM facility above the emergency spillway.
- While groundwater was not encountered to a Test Pit depth of 180.8m within the SWM block, it is recommended that additional groundwater data be collected in this area at the detailed design stage. In the event that groundwater is encountered above the pond permanent pool elevation of 180.3m, an impermeable clay liner may be required.
- A preliminary Operations & Maintenance (O&M) manual for the wet pond SWM facility is included in **Appendix E**.

5.0 EROSION AND SEDIMENT CONTROL

During construction, erosion and sedimentation controls (ESC) will be provided via cutoff swales with rock check dams, siltation control fencing and temporary sediment basins. All proposed on-site catchbasin manholes and catchbasins as well as nearby off-site catchbasins will be fitted with silt sacks within the structures to mitigate sediment transport during construction. A mudmat will be constructed at the proposed construction access to mitigate the transport of sediments to the surrounding roads.

All erosion and sediment controls must be inspected and maintained regularly for the full duration of construction until the Engineer or the City approves removal of the measures. The Contractor shall inspect all erosion and sediment controls weekly and after any rainfall event and rectify any deficiencies immediately.

Preliminary ESC design is provided on MTE Drawings **49428-100 P-ES2.1 Erosion and Sediment Control Plan Pre-Grading** and **ES2.2 Erosion and Sediment Control Plan Notes and Details**, included herewith.

6.0 CONCLUSION AND RECOMMENDATIONS

Based on the information provided herein and foregoing analysis, it can be concluded that:

- i. The proposed stormwater management design provides adequate attenuation for the 2 to 100-year storm events and meets the design requirements set by the Region of Niagara.
- ii. The post-development flows will be controlled by orifice controls in the stormwater management pond; sufficient storage volume is provided within the pond.

A stormwater quality control “Enhanced” level of 80% TSS removal will be achieved via best-management practices.

Based on the above conclusions it is recommended that:

- i. The Draft Plan be approved.
- ii. Detailed design for the Subject Lands be completed in accordance with the preliminary design included in this report.

All of which is respectfully submitted,

MTE Consultants Inc.



Rob Melick, P. Eng.

Senior Project Manager
905-639-2552 ext. 2438

rmelick@mte85.com

RSM:vxv

M:\49428\100\Reports\MTE\SWM\49428-100 Preliminary SWM Report.docx

Appendix A

Draft Plan of Subdivision

Appendix B

Pre-Development Hydrologic Modeling



Highway 20 & Thorold Townline Road Subdivision
Preliminary Stormwater Management
Thorold, Ontario



Project Number: 49428-100

Date: 10/31/2024

Designed by: RSM

File: Q:\49428\100\SWM\Preliminary\49428-100 -Preliminary SWM Analysis.xlsx\Param - Pre

Pre-Development Hydrologic Modeling Parameters

Catchment ID	Catchment Description	Hydrograph Method	Area (ha)	Perv. CN	Perv. Ia (mm)	Impervious (%)		Flow Length (m)		Manning's 'n'		Slope (%)		Time to Peak T _p (hrs)
						TIMP	XIMP	Perv.	Imperv.	Perv.	Imperv.	Perv.	Imperv.	
101	Site – Outlet 1	NASHYD	3.15	79	6.75									0.23
102	Site – Outlets 2 & 3	NASHYD	14.73	79	6.75									0.33
103	Site – Outlet 7	NASHYD	1.47	79	6.75									0.19
104	Site – Outlet 4	STANDHYD	0.95	79	6.75	53	26	40	50	0.25	0.013	2	1	-
105	Site – Outlet 5	NASHYD	3.32	79	6.75									0.24
106	Site – Outlet 6	NASHYD	0.36	79	6.75									0.14
107	Site - Outlet 9	NASHYD	0.15	79	6.75									0.11
108	Hydro Corridor - Outlet 8	NASHYD	0.08	79	6.75									0.09
TOTAL			24.21											

Notes

- Pervious Initial Abstraction (Perv. Ia) = $0.1 \times S$, where $S = (25400 / CN) - 254$

- Depression Storage over Impervious areas (DPSI) = 1.0 mm

¹CN Values based on SCS Soil Class D, unimproved land

Highway 20 & Thorold Townline Road Subdivision Preliminary Stormwater Management Thorold, Ontario

Project Number: 49428-100

Date: 10/31/2024

Designed by: RSM

File: Q:\49428\100\SWM\Preliminary\[49428-100 -Preliminary SWM Analysis.xlsx]Ex. TP

Time to Peak Calculations

Time to peak (T_p) values were derived from time of concentration (T_c) calculations based on the Airport Method equation:

$$T_c = \frac{3.26(1.1-C)L^{0.5}}{S_w^{0.33}} \quad \text{(MTO Dainage Manual Design Chart 1.12)}$$

T_c = Overland flow time of concentration (minutes)

L = Flow travel length

S = Basin slope (%)

C = Runoff coefficient

From this, $T_p = 0.67 T_c$

The time to peak values used in the NASHYD command for the existing conditions hydrologic modeling are shown below:

Catchment ID	Area (ha)	Length (m)	'C'	Slope (m/m)	T_c (min)	T_p (min)	T_p (hrs)
101	3.15	89	0.24	0.02	21.01	14.08	0.23
102	14.73	192	0.28	0.02	29.46	19.74	0.33
103	1.47	61	0.24	0.02	17.37	11.64	0.19
104	0.95	49	0.57	0.02	9.60	6.43	0.11
105	3.32	91	0.24	0.02	21.29	14.26	0.24
106	0.36	30	0.24	0.02	12.22	8.19	0.14
107	0.15	19	0.24	0.02	9.81	6.57	0.11
108	0.08	14	0.24	0.02	8.39	5.62	0.09

City of St. Catharines Rainfall Parameters

Storm Event	IDF Parameters			Rainfall Depth i, (mm)
	a	b	c	
24-Hour SCS Distribution ^A				
2-year	567	5.2	0.746	60.2
5-year	664	4.7	0.744	72.3
10-year	724	4.3	0.739	81.2
25-year	821	4.0	0.735	94.3
50-year	900	3.8	0.734	104.5
100-year	980	3.7	0.732	114.9
4-Hour Chicago Distribution				
25mm WQ ^B	378.97	5.2	0.746	25.01
^A Rainfall Depths from St Catharines Engineering Guidelines. Results are based on IDF curves and a 24-hour SCS II storm event; refer to Appendix B.				
^B 25mm rainfall depth derived by factoring the 2-year 'a' parameter by (25mm desired rainfall depth) / (37.41mm 2yr rainfall depth).				

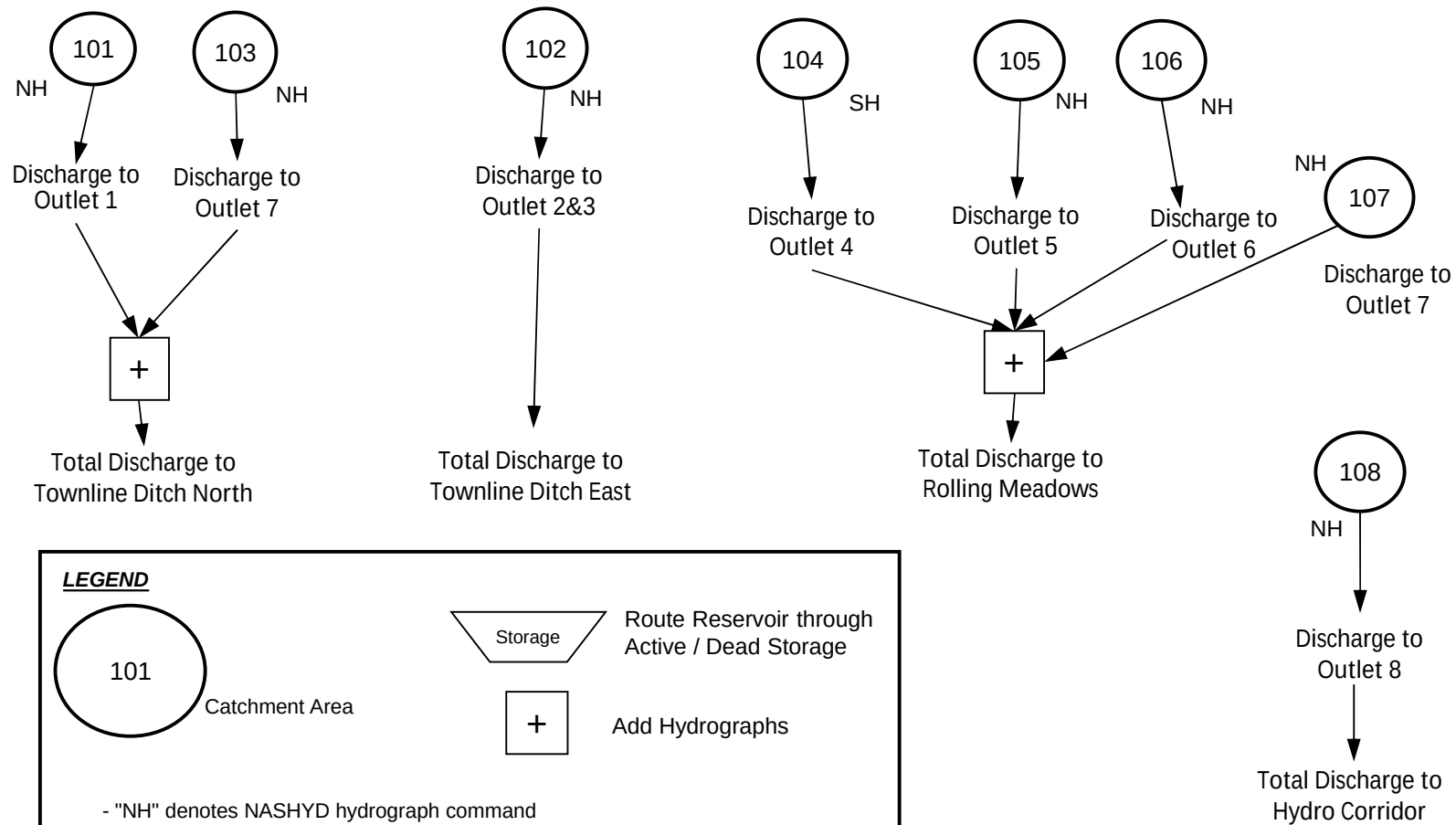
Chicago Storm Design
Intensity (mm/h)
r=0.46 -3 Hour Duration

Time (mins)	Return Period (Years)					
	2	5	10	25	50	100
5	3.33	3.95	4.48	5.24	5.79	6.4
10	3.52	4.16	4.72	5.52	6.09	6.74
15	3.72	4.41	4.99	5.83	6.44	7.12
20	3.96	4.69	5.3	6.19	6.83	7.55
25	4.24	5.01	5.66	6.61	7.29	8.06
30	4.56	5.39	6.09	7.1	7.83	8.65
35	4.96	5.85	6.6	7.69	8.47	9.36
40	5.43	6.41	7.21	8.4	9.25	10.21
45	6.03	7.1	7.98	9.28	10.22	11.28
50	6.8	8	8.97	10.42	11.47	12.64
55	7.83	9.2	10.3	11.93	13.13	14.46
60	9.3	10.9	12.17	14.08	15.48	17.03
65	11.56	13.52	15.05	17.35	19.06	20.95
70	15.5	18.1	20.06	23.05	25.29	27.75
75	24.12	28.13	31.05	35.54	38.95	42.65
80	55.57	65.65	72.79	83.55	91.83	100.53
85	72.37	86.37	96.42	111.28	122.72	134.61
90	29.76	34.74	38.31	43.82	48.02	52.54
95	18.68	21.79	24.1	27.65	30.31	33.22
100	13.74	16.05	17.82	20.51	22.51	24.71
105	10.95	12.82	14.29	16.48	18.11	19.91
110	9.17	10.75	12.01	13.89	15.27	16.8
115	7.92	9.3	10.42	12.07	13.28	14.62
120	7	8.23	9.23	10.71	11.8	13
125	6.29	7.4	8.32	9.67	10.65	11.74
130	5.72	6.75	7.59	8.83	9.73	10.73
135	5.26	6.21	6.99	8.14	8.98	9.91
140	4.88	5.76	6.5	7.57	8.35	9.22
145	4.55	5.38	6.07	7.08	7.81	8.63
150	4.27	5.05	5.71	6.66	7.35	8.12
155	4.03	4.77	5.39	6.03	6.95	7.68
160	3.82	4.52	5.11	5.97	6.59	7.29
165	3.63	4.3	4.87	5.69	6.28	6.94
170	3.46	4.1	4.64	5.43	6	6.63
175	3.31	3.92	4.45	5.2	5.74	6.35
180	3.17	3.76	4.27	4.99	5.51	6.1

Highway 20 & Thorold Townline Road Subdivision
Preliminary Stormwater Management
Thorold, Ontario



EXISTING DEVELOPMENT CONDITIONS MODEL SCHEMATIC



3.733	0.78	9.767	2.15	15.888	1.79	21.83	0.72	0.72
3.767	0.78	9.889	2.15	15.833	1.79	21.87	0.72	0.72
3.803	0.78	9.960	2.15	15.900	1.79	21.93	0.72	0.72
3.837	0.78	9.980	2.15	15.933	1.79	21.97	0.72	0.72
3.873	0.78	9.987	2.15	15.966	1.79	22.03	0.72	0.72
3.907	0.78	9.967	2.15	16.000	1.79	22.08	0.72	0.72
3.943	0.78	10.000	2.15	16.033	1.79	22.07	0.72	0.72
4.003	0.78	10.027	2.15	16.067	1.79	22.13	0.72	0.72
4.067	0.78	10.100	2.15	16.133	1.88	22.17	0.72	0.72
4.100	0.87	10.123	2.75	16.167	1.88	22.20	0.72	0.72
4.167	0.96	10.200	2.75	16.233	1.88	22.27	0.72	0.72
4.200	0.96	10.223	2.75	16.267	1.88	22.30	0.72	0.72
4.267	0.96	10.300	2.75	16.333	1.88	22.37	0.72	0.72
4.300	0.96	10.323	2.75	16.367	1.88	22.40	0.72	0.72
4.367	0.96	10.400	2.75	16.433	1.88	22.47	0.72	0.72
4.400	0.96	10.433	2.75	16.467	1.88	22.50	0.72	0.72
4.467	0.96	10.500	2.75	16.533	1.88	22.57	0.72	0.72
4.500	0.96	10.523	2.75	16.567	1.88	22.60	0.72	0.72
4.567	0.96	10.600	3.23	16.633	1.88	22.67	0.72	0.72
4.600	0.96	10.633	3.71	16.667	1.88	22.70	0.72	0.72
4.633	0.96	10.667	3.71	16.700	1.88	22.77	0.72	0.72
4.700	0.96	10.733	3.71	16.767	1.88	22.80	0.72	0.72
4.733	0.96	10.767	3.71	16.800	1.88	22.83	0.72	0.72
4.800	0.96	10.833	3.71	16.867	1.88	22.90	0.72	0.72
4.833	0.96	10.867	3.71	16.900	1.88	22.93	0.72	0.72
4.900	0.96	10.933	3.71	16.967	1.88	23.00	0.72	0.72
4.933	0.96	10.967	3.71	17.000	1.88	23.03	0.72	0.72
5.000	0.96	11.033	3.71	17.067	1.88	23.10	0.72	0.72
5.033	0.96	11.067	3.71	17.100	1.88	23.13	0.72	0.72
5.100	0.96	11.133	5.74	17.167	1.88	23.20	0.72	0.72
5.133	0.96	11.167	5.74	17.200	1.88	23.23	0.72	0.72
5.200	0.96	11.200	5.74	17.233	1.88	23.27	0.72	0.72
5.267	0.96	11.267	5.74	17.300	1.88	23.33	0.72	0.72
5.300	0.96	11.300	5.74	17.333	1.88	23.37	0.72	0.72
5.367	0.96	11.367	5.74	17.400	1.88	23.43	0.72	0.72
5.400	0.96	11.400	5.74	17.433	1.88	23.47	0.72	0.72
5.467	0.96	11.467	5.74	17.500	1.88	23.53	0.72	0.72
5.500	0.96	11.500	5.74	17.533	1.88	23.57	0.72	0.72
5.567	0.96	11.567	5.74	17.600	1.88	23.63	0.72	0.72
5.600	0.96	11.600	11.73	17.633	1.88	23.67	0.72	0.72
5.633	0.96	11.633	17.69	17.700	1.88	23.73	0.72	0.72
5.667	0.96	11.700	17.69	17.733	1.88	23.77	0.72	0.72
5.733	0.96	11.733	17.69	17.800	1.88	23.83	0.72	0.72
5.767	0.96	11.800	17.69	17.833	1.88	23.87	0.72	0.72
5.800	0.96	11.833	17.77	17.867	1.88	23.90	0.72	0.72
5.833	0.96	11.867	17.83	17.900	1.88	23.93	0.72	0.72

Unit Hyd Peak (cms) = 0.528

PEAK FLOW (cms) = 0.375 (1)
TIME TO PEAK (hrs) = 12.233
RUNOFF VOLUME (mm) = 23.370
RUNOFF COEFFICIENT = 0.389

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB (0.006) Area (ha) = 0.38 Curve Number (CN) = 79.0
NASHVD (1.0) = 2.0 min. U.H. Tr(hrs) = 0.14
of Linear Res.(N) = 3.00

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

RAIN			TRANSFORMED HYETOGRAPH			RAIN		
TIME	mm/hr	hrs	TIME	mm/hr	hrs	TIME	mm/hr	hrs
0.033	0.88	6.967	0.96	12.100	48.79	18.13	1.08	18.13
0.067	0.88	6.967	0.96	12.100	48.79	18.13	1.08	18.13
0.100	0.33	6.133	1.08	12.167	8.61	18.20	1.08	18.20
0.133	0.66	6.167	1.08	12.200	8.61	18.23	1.08	18.23
0.167	0.66	6.167	1.08	12.200	8.61	18.23	1.08	18.23
0.200	0.66	6.233	1.08	12.267	8.61	18.30	1.08	18.30
0.233	0.66	6.267	1.08	12.300	8.61	18.33	1.08	18.33
0.267	0.66	6.333	1.08	12.367	8.61	18.40	1.08	18.40
0.300	0.66	6.333	1.08	12.367	8.61	18.40	1.08	18.40
0.333	0.66	6.367	1.08	12.400	8.61	18.43	1.08	18.43
0.367	0.66	6.433	1.08	12.467	8.61	18.50	1.08	18.50
0.400	0.66	6.433	1.08	12.467	8.61	18.50	1.08	18.50
0.433	0.66	6.467	1.08	12.500	8.61	18.53	1.08	18.53
0.467	0.66	6.500	1.08	12.533	8.61	18.57	1.08	18.57
0.500	0.66	6.533	1.08	12.567	8.61	18.60	1.08	18.60
0.533	0.66	6.567	1.08	12.600	6.51	18.63	1.08	18.63
0.567	0.66	6.600	1.08	12.633	6.51	18.67	1.08	18.67
0.600	0.66	6.633	1.08	12.667	4.42	18.70	1.08	18.70
0.633	0.66	6.667	1.08	12.700	4.42	18.73	1.08	18.73
0.667	0.66	6.700	1.08	12.733	4.42	18.77	1.08	18.77
0.700	0.66	6.733	1.08	12.767	4.42	18.80	1.08	18.80
0.733	0.66	6.767	1.08	12.800	4.42	18.83	1.08	18.83
0.767	0.66	6.800	1.08	12.833	4.42	18.87	1.08	18.87
0.800	0.66	6.833	1.08	12.867	4.42	18.90	1.08	18.90
0.833	0.66	6.867	1.08	12.900	4.42	18.93	1.08	18.93
0.867	0.66	6.900	1.08	12.933	4.42	18.97	1.08	18.97
0.900	0.66	6.933	1.08	12.967	4.42	19.00	1.08	19.00
0.933	0.66	6.967	1.08	13.000	4.42	19.03	1.08	19.03
0.967	0.66	7.000	1.08	13.033	4.42	19.07	1.08	19.07
1.000	0.66	7.033	1.08	13.067	4.42	19.10	1.08	19.10
1.033	0.66	7.067	1.08	13.100	3.82	19.13	1.08	19.13
1.067	0.66	7.133	1.20	13.133	3.23	19.17	1.08	19.17
1.100	0.66	7.133	1.20	13.133	3.23	19.17	1.08	19.17
1.133	0.66	7.167	1.21	13.200	3.23	19.23	1.08	19.23

14

5.433	0.96	11.457	5.74	17.599	1.08	23.53	0.72
5.467	0.96	11.500	5.74	17.533	1.08	23.57	0.72
5.503	0.96	11.567	5.74	17.660	1.08	23.63	0.72
5.539	0.96	11.633	5.74	17.690	1.08	23.67	0.72
5.563	0.96	11.667	5.74	17.760	1.08	23.73	0.72
5.567	0.96	11.700	5.74	17.733	1.08	23.77	0.72
5.573	0.96	11.733	5.74	17.690	1.08	23.83	0.72
5.576	0.96	11.800	5.74	17.690	1.08	23.83	0.72
5.580	0.96	11.833	5.74	17.733	1.08	23.90	0.72
5.586	0.96	11.867	5.74	17.667	1.08	23.96	0.72
5.590	0.96	11.923	5.74	17.967	1.08	24.00	0.72
5.597	0.96	12.000	5.74	17.967	1.08	24.07	0.72
5.609	0.96	12.067	5.74	18.033	1.08	24.16	0.36
5.633	0.96	12.067	5.74	18.060	1.08		

Unit Hyd Qpeak (cms) = 0.098

PEAK FLOW
(cms) = 0.026 (l)
TIME TO PEAK
(hrs) = 12.133
TOTAL RAINFALL
(mm) = 53.770
RUNOFF COEFFICIENT = 0.390

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

Area (ha) = 0.95 Dir. Conn. (%) = 26.00

Total Impervious (%) = 53.06

Area (ha) = 0.95

Surface Area (ha) = 0.95

Dwp. Storage (mm) = 1.00

Average Slope (%) = 2.00

Manifolds n = 0.013

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

TIME	RAIN	TRANSFORMED HYETOGRAPH	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	mm/hr
0.017	0.06	12.083	73.46	18.12
0.069	0.06	12.083	73.46	18.12
0.659	0.06	12.117	8.61	18.15
0.667	0.06	12.133	8.61	18.17
0.669	0.06	12.133	8.61	18.17
0.673	0.06	12.167	8.61	18.20
0.676	0.06	12.183	8.61	18.22
0.679	0.06	12.217	8.61	18.25
0.683	0.06	12.217	8.61	18.25
0.687	0.06	12.233	8.61	18.27
0.690	0.06	12.250	8.61	18.28
0.693	0.06	12.250	8.61	18.28
0.697	0.06	12.267	8.61	18.32
0.700	0.06	12.283	8.61	18.33
0.703	0.06	12.300	8.61	18.33
0.706	0.06	12.317	8.61	18.35

17

0.267	0.66	6.369	1.08	12.333	8.61	18.37	1.08
0.283	0.66	6.317	1.08	12.369	8.61	18.38	1.08
0.317	0.66	6.350	1.08	12.369	8.61	18.42	1.08
0.333	0.66	6.367	1.08	12.400	8.61	18.43	1.08
0.367	0.66	6.408	1.08	12.433	8.61	18.47	1.08
0.383	0.66	6.417	1.08	12.469	8.61	18.48	1.08
0.417	0.66	6.458	1.08	12.500	8.61	18.52	1.08
0.433	0.66	6.467	1.08	12.500	8.61	18.53	1.08
0.440	0.66	6.483	1.08	12.517	8.61	18.57	1.08
0.450	0.66	6.483	1.08	12.517	8.61	18.57	1.08
0.483	0.66	6.517	1.08	12.569	8.61	18.58	1.08
0.500	0.66	6.523	1.08	12.567	8.61	18.69	1.08
0.553	0.66	6.567	1.08	12.600	4.43	18.93	1.08
0.569	0.66	6.583	1.08	12.617	4.42	18.95	1.08
0.583	0.66	6.617	1.08	12.669	4.42	18.96	1.08
0.600	0.66	6.633	1.08	12.667	4.42	18.99	1.08
0.617	0.66	6.659	1.08	12.683	4.42	18.92	1.08
0.633	0.66	6.667	1.08	12.683	4.42	18.92	1.08
0.659	0.66	6.690	1.08	12.700	4.42	18.79	1.08
0.667	0.66	6.683	1.08	12.700	4.42	18.79	1.08
0.673	0.66	6.683	1.08	12.717	4.42	18.75	1.08
0.676	0.66	6.710	1.08	12.733	4.42	18.78	1.08
0.679	0.66	6.710	1.08	12.733	4.42	18.78	1.08
0.683	0.66	6.733	1.08	12.67	4.42	18.80	1.08
0.687	0.66	6.750	1.08	12.683	4.42	18.82	1.08
0.690	0.66	6.750	1.08	12.683	4.42	18.82	1.08
0.693	0.66	6.783	1.08	12.617	4.42	18.85	1.08
0.697	0.66	6.783	1.08	12.617	4.42	18.85	1.08
0.700	0.66	6.800	1.08	13.033	4.42	19.07	1.08
0.703	0.66	6.817	1.08	13.069	4.42	19.08	1.08
0.706	0.66	6.817	1.08	13.069	4.42	19.08	1.08
0.709	0.66	6.859	1.08	13.083	4.42	19.12	1.08
0.713	0.66	6.867	1.08	13.109	3.23	19.13	1.08
0.716	0.66	6.867	1.08	13.133	3.23	19.17	1.08
0.719	0.66	6.867	1.08	13.133	3.23	19.17	1.08
0.723	0.66	6.883	1.08	13.169	3.23	19.28	1.08
0.726	0.66	6.883	1.08	13.169	3.23	19.28	1.08
0.729	0.66	6.900	1.08	13.169	3.23	19.28	1.08
0.733	0.66	6.933	1.08	13.200	3.23	19.23	1.08
0.736	0.66	6.933	1.08	13.200	3.23	19.23	1.08
0.739	0.66	6.950	1.08	13.200	3.23	19.23	1.08
0.743	0.66	6.950	1.08	13.200	3.23	19.23	1.08
0.746	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.749	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.753	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.756	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.759	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.763	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.766	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.769	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.773	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.776	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.779	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.783	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.786	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.789	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.793	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.796	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.799	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.803	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.806	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.809	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.813	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.816	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.819	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.823	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.826	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.829	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.833	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.836	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.839	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.843	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.846	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.849	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.853	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.856	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.859	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.863	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.866	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.869	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.873	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.876	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.879	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.883	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.886	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.889	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.893	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.896	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.899	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.903	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.906	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.909	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.913	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.916	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.919	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.923	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.926	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.929	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.933	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.936	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.939	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.943	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.946	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.949	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.953	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.956	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.959	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.963	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.966	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.969	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.973	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.976	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.979	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.983	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.986	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.989	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.993	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.996	0.66	6.983	1.08	13.233	3.23	19.27	1.08
0.999	0.66	6.983	1.08	13.233	3.23	19.27	1.08

2.390	0.78	8.333	1.55	14.367	1.79	20.48	0.72	22.53	1.08	22.53	0.72
2.393	0.78	8.367	1.55	14.460	1.79	20.43	0.72	22.57	1.08	22.57	0.72
2.400	0.78	8.433	1.55	14.467	1.79	20.50	0.72	22.63	1.08	22.63	0.72
2.403	0.78	8.467	1.55	14.560	1.79	20.53	0.72	22.67	1.08	22.67	0.72
2.406	0.78	8.500	1.55	14.563	1.79	20.60	0.72	22.73	1.08	22.73	0.72
2.500	0.78	8.533	1.55	14.600	1.79	20.63	0.72	22.77	1.08	22.77	0.72
2.503	0.78	8.567	1.55	14.603	1.79	20.70	0.72	22.83	1.08	22.83	0.72
2.506	0.78	8.600	1.55	14.606	1.79	20.73	0.72	22.89	1.08	22.89	0.72
2.509	0.78	8.633	1.55	14.609	1.79	20.77	0.72	22.92	1.08	22.92	0.72
2.512	0.78	8.667	1.55	14.700	1.79	20.73	0.72	22.97	1.08	22.97	0.72
2.567	0.78	8.700	1.55	14.733	1.79	20.77	0.72	23.00	1.08	23.00	0.72
2.570	0.78	8.733	1.55	14.736	1.79	20.83	0.72	23.06	1.08	23.06	0.72
2.733	0.78	8.767	1.55	14.800	1.79	20.83	0.72	23.11	1.08	23.11	0.72
2.767	0.78	8.800	1.55	14.833	1.79	20.87	0.72	23.16	1.08	23.16	0.72
2.800	0.78	8.833	1.55	14.836	1.79	20.93	0.72	23.21	1.08	23.21	0.72
2.803	0.78	8.867	1.55	14.900	1.79	20.93	0.72	23.26	1.08	23.26	0.72
2.806	0.78	8.900	1.55	14.933	1.79	20.97	0.72	23.31	1.08	23.31	0.72
2.809	0.78	8.933	1.55	14.936	1.79	21.03	0.72	23.36	1.08	23.36	0.72
2.812	0.78	8.967	1.55	15.000	1.79	21.03	0.72	23.41	1.08	23.41	0.72
2.867	0.78	9.000	1.55	15.033	1.79	21.07	0.72	23.46	1.08	23.46	0.72
2.870	0.78	9.033	1.55	15.036	1.79	21.13	0.72	23.51	1.08	23.51	0.72
2.873	0.78	9.067	1.55	15.100	1.79	21.13	0.72	23.56	1.08	23.56	0.72
2.876	0.78	9.100	1.55	15.133	1.79	21.17	0.72	23.61	1.08	23.61	0.72
2.879	0.78	9.133	1.55	15.136	1.79	21.23	0.72	23.66	1.08	23.66	0.72
3.133	0.78	9.167	1.55	15.200	1.79	21.23	0.72	23.71	1.08	23.71	0.72
3.136	0.78	9.200	1.55	15.233	1.79	21.27	0.72	23.76	1.08	23.76	0.72
3.139	0.78	9.233	1.55	15.236	1.79	21.30	0.72	23.81	1.08	23.81	0.72
3.190	0.78	9.267	1.55	15.267	1.79	21.30	0.72	23.86	1.08	23.86	0.72
3.193	0.78	9.300	1.55	15.267	1.79	21.36	0.72	23.91	1.08	23.91	0.72
3.196	0.78	9.333	1.55	15.333	1.79	21.37	0.72	23.96	1.08	23.96	0.72
3.199	0.78	9.367	1.55	15.336	1.79	21.47	0.72	24.01	1.08	24.01	0.72
3.400	0.78	9.400	1.55	15.433	1.79	21.47	0.72	24.06	1.08	24.06	0.72
3.403	0.78	9.433	1.55	15.467	1.79	21.50	0.72	24.11	1.08	24.11	0.72
3.406	0.78	9.467	1.55	15.533	1.79	21.57	0.72	24.16	1.08	24.16	0.72
3.409	0.78	9.500	1.55	15.536	1.79	21.60	0.72	24.21	1.08	24.21	0.72
3.412	0.78	9.533	1.55	15.567	1.79	21.66	0.72	24.26	1.08	24.26	0.72
3.415	0.78	9.567	1.55	15.633	1.79	21.67	0.72	24.31	1.08	24.31	0.72
3.418	0.78	9.600	1.55	15.636	1.79	21.77	0.72	24.36	1.08	24.36	0.72
3.421	0.78	9.633	1.55	15.667	1.79	21.76	0.72	24.41	1.08	24.41	0.72
3.424	0.78	9.667	1.55	15.667	1.79	21.77	0.72	24.46	1.08	24.46	0.72
3.427	0.78	9.700	1.55	15.733	1.79	21.77	0.72	24.51	1.08	24.51	0.72
3.430	0.78	9.733	1.55	15.767	1.79	21.80	0.72	24.56	1.08	24.56	0.72
3.433	0.78	9.767	1.55	15.800	1.79	21.83	0.72	24.61	1.08	24.61	0.72
3.436	0.78	9.800	1.55	15.800	1.79	21.83	0.72	24.66	1.08	24.66	0.72
3.439	0.78	9.833	1.55	15.867	1.79	21.90	0.72	24.71	1.08	24.71	0.72
3.442	0.78	9.867	1.55	15.867	1.79	21.93	0.72	24.76	1.08	24.76	0.72
3.445	0.78	9.900	1.55	15.900	1.79	21.93	0.72	24.81	1.08	24.81	0.72
3.448	0.78	9.933	1.55	15.967	1.79	22.00	0.72	24.86	1.08	24.86	0.72
3.451	0.78	9.967	1.55	16.000	1.79	22.03	0.72	24.91	1.08	24.91	0.72
3.454	0.78	10.000	1.55	16.000	1.79	22.06	0.72	24.96	1.08	24.96	0.72
3.457	0.78	10.033	1.55	16.067	1.79	22.10	0.72	25.01	1.08	25.01	0.72
3.460	0.78	10.067	1.55	16.100	1.79	22.13	0.72	25.06	1.08	25.06	0.72
3.463	0.78	10.100	1.55	16.167	1.79	22.13	0.72	25.11	1.08	25.11	0.72
3.466	0.78	10.133	1.55	16.167	1.79	22.20	0.72	25.16	1.08	25.16	0.72
3.469	0.78	10.167	1.55	16.200	1.79	22.23	0.72	25.21	1.08	25.21	0.72
3.472	0.78	10.200	1.55	16.233	1.79	22.26	0.72	25.26	1.08	25.26	0.72
3.475	0.78	10.233	1.55	16.267	1.79	22.30	0.72	25.31	1.08	25.31	0.72
3.478	0.78	10.267	1.55	16.300	1.79	22.33	0.72	25.36	1.08	25.36	0.72
3.481	0.78	10.300	1.55	16.300	1.79	22.33	0.72	25.41	1.08	25.41	0.72
3.484	0.78	10.333	1.55	16.333	1.79	22.40	0.72	25.46	1.08	25.46	0.72
3.487	0.78	10.367	1.55	16.400	1.79	22.43	0.72	25.51	1.08	25.51	0.72
3.490	0.78	10.400	1.55	16.433	1.79	22.47	0.72	25.56	1.08	25.56	0.72
3.493	0.78	10.433	1.55	16.467	1.79	22.50	0.72	25.61	1.08	25.61	0.72
3.496	0.78	10.467	1.55	16.533	1.79	22.53	0.72	25.66	1.08	25.66	0.72
3.499	0.78	10.500	1.55	16.567	1.79	22.57	0.72	25.71	1.08	25.71	0.72
3.502	0.78	10.533	1.55	16.567	1.79	22.63	0.72	25.76	1.08	25.76	0.72
3.505	0.78	10.567	1.55	16.633	1.79	22.63	0.72	25.81	1.08	25.81	0.72
3.508	0.78	10.600	1.55	16.633	1.79	22.67	0.72	25.86	1.08	25.86	0.72
3.511	0.78	10.633	1.55	16.700	1.79	22.67	0.72	25.91	1.08	25.91	0.72
3.514	0.78	10.667	1.55	16.733	1.79	22.77	0.72	25.96	1.08	25.96	0.72
3.517	0.78	10.700	1.55	16.733	1.79	22.77	0.72	26.01	1.08	26.01	0.72
3.520	0.78	10.733	1.55	16.800	1.79	22.77	0.72	26.06	1.08	26.06	0.72
3.523	0.78	10.767	1.55	16.800	1.79	22.83	0.72	26.11	1.08	26.11	0.72
3.526	0.78	10.800	1.55	16.867	1.79	22.83	0.72	26.16	1.08	26.16	0.72
3.529	0.78	10.833	1.55	16.867	1.79	22.90	0.72	26.21	1.08	26.21	0.72
3.532	0.78	10.867	1.55	16.933	1.79	22.90	0.72	26.26	1.08	26.26	0.72
3.535	0.78	10.900	1.55	16.933	1.79	22.96	0.72	26.31	1.08	26.31	0.72
3.538	0.78	10.933	1.55	17.000	1.79	22.96	0.72	26.36	1.08	26.36	0.72
3.541	0.78	10.967	1.55	17.067	1.79	23.00	0.72	26.41	1.08	26.41	0.72
3.544	0.78	11.000	1.55	17.067	1.79	23.03	0.72	26.46	1.08	26.46	0.72
3.547	0.78	11.033	1.55	17.133	1.79	23.03	0.72	26.51	1.08	26.51	0.72
3.550	0.78	11.067	1.55	17.133	1.79	23.07	0.72	26.56	1.08	26.56	0.72
3.553	0.78	11.100	1.55	17.200	1.79	23.07	0.72	26.61	1.08	26.61	0.72
3.556	0.78	11.133	1.55	17.200	1.79	23.13	0.72	26.66	1.08	26.66	0.72
3.559	0.78	11.167	1.55	17.267	1.79	23.13	0.72	26.71	1.08	26.71	0.72
3.562	0.78	11.200	1.55	17.267	1.79	23.17	0.72	26.76	1.08	26.76	0.72
3.565	0.78	11.233	1.55	17.333	1.79	23.17	0.72	26.81	1.08	26.81	0.72
3.568	0.78	11.267	1.55	17.333	1.79	23.23	0.72	26.86	1.08	26.86	0.72
3.571	0.78	11.300	1.55	17.400	1.79	23.23	0.72	26.91	1.08	26.91	0.72
3.574	0.78	11.333	1.55	17.400	1.79	23.27	0.72	26.96	1.08	26.96	0.72
3.577	0.78	11.367	1.55	17.467	1.79	23.27	0.72	27.01	1.08	27.01	0.72
3.580	0.78	11.400	1.55	17.467	1.79	23.33	0.72	27.06	1.08	27.06	0.72
3.583	0.78	11.433	1.55	17.533	1.79	23.33	0.72	27.11	1.08	27.11	0.72
3.586	0.78	11.467	1.55	17.533	1.79	23.37	0.72	27.16	1.08	27.16	0.72
3.589	0.78	11.500	1.55	17.600	1.79	23.37	0.72	27.21	1.08	27.21	0.72
3.592	0.78	11.533	1.55	17.600	1.79	23.43	0.72	27.26	1.08	27.26	0.72
3.595	0.78	11.567	1.55	17.667	1.79	23.43	0.72	27.31	1.08	27.31	0.72
3.598	0.78	11.600	1.55	17.667	1.79	23.47	0.72	27.36	1.08	27.36	0.72
3.601	0.78	11.633	1.55	17.733	1.79	23.47	0.72	27.41	1.08	27.41	0.72
3.604	0.78	11.667	1.55	17.733	1.79	23.53	0.72	27.46	1.08	27.46	0.72
3.607	0.78	11.700	1.55	17.800	1.79	23.53	0.72	27.51	1.08	27.51	0.72
3.610	0.78	11.733	1.55	17.800	1.79	23.57	0.72				

PEAK FLOW (cms) = 0.007 (1)
PEAK FLOW (mm) = 23.291
TOTAL RAINFALL (mm) = 59.770
RUNOFF COEFFICIENT = 0.300
(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB ID= 1.00, (0.0101) Area (ha) = 3.15 Curve Number (CN) = 79.0
U.H. Tp (hrs) = 0.23
NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

----- TRANSFORMED METEOROLOG -----									
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr
0.033	0.067	0.033	0.067	0.033	0.067	0.033	0.067	0.033	0.067
0.067	0.000	0.067	0.000	0.067	0.000	0.067	0.000	0.067	0.000
0.100	0.000	0.100	0.000	0.100	0.000	0.100	0.000	0.100	0.000
0.133	0.000	0.133	0.000	0.133	0.000	0.133	0.000	0.133	0.000
0.167	0.066	0.167	0.066	0.167	0.066	0.167	0.066	0.167	0.066
0.200	0.066	0.200	0.066	0.200	0.066	0.200	0.066	0.200	0.066
0.233	0.066	0.233	0.066	0.233	0.066	0.233	0.066	0.233	0.066
0.267	0.066	0.267	0.066	0.267	0.066	0.267	0.066	0.267	0.066
0.300	0.066	0.300	0.066	0.300	0.066	0.300	0.066	0.300	0.066
0.333	0.066	0.333	0.066	0.333	0.066	0.333	0.066	0.333	0.066
0.367	0.066	0.367	0.066	0.367	0.066	0.367	0.066	0.367	0.066
0.400	0.066	0.400	0.066	0.400	0.066	0.400	0.066	0.400	0.066
0.433	0.066	0.433	0.066	0.433	0.066	0.433	0.066	0.433	0.066
0.467	0.066	0.467	0.066	0.467	0.066	0.467	0.066	0.467	0.066
0.500	0.066	0.500	0.066	0.500	0.066	0.500	0.066	0.500	0.066
0.533	0.066	0.533	0.066	0.533	0.066	0.533	0.066	0.533	0.066
0.567	0.066	0.567	0.066	0.567	0.066	0.567	0.066	0.567	0.066
0.600	0.066	0.600	0.066	0.600	0.066	0.600	0.066	0.600	0.066
0.633	0.066	0.633	0.066	0.633	0.066	0.633	0.066	0.633	0.066
0.667	0.066	0.667	0.066	0.667	0.066	0.667	0.066	0.667	0.066
0.700	0.066	0.700	0.066	0.700	0.066	0.700	0.066	0.700	0.066
0.733	0.066	0.733	0.066	0.733	0.066	0.733	0.066	0.733	0.066
0.767	0.066	0.767	0.066	0.767	0.066	0.767	0.066	0.767	0.066
0.800	0.066	0.800	0.066	0.800	0.066	0.800	0.066	0.800	0.066
0.833	0.066	0.833	0.066	0.833	0.066	0.833	0.066	0.833	0.066
0.867	0.066	0.867	0.066	0.867	0.066	0.867	0.066	0.867	0.066
0.900	0.066	0.900	0.066	0.900	0.066	0.900	0.066	0.900	0.066
0.933	0.066	0.933	0.066	0.933	0.066	0.933	0.066	0.933	0.066
0.967	0.066	0.967	0.066	0.967	0.066	0.967	0.066	0.967	0.066
1.000	0.066	1.000	0.066	1.000	0.066	1.000	0.066	1.000	0.066
1.033	0.066	1.033	0.066	1.033	0.066	1.033	0.066	1.033	0.066
1.067	0.066	1.067	0.066	1.067	0.066	1.067	0.066	1.067	0.066
1.100	0.066	1.100	0.066	1.100	0.066	1.100	0.066	1.100	0.066
1.133	0.066	1.133	0.066	1.133	0.066	1.133	0.066	1.133	0.066
1.167	0.066	1.167	0.066	1.167	0.066	1.167	0.066	1.167	0.066
1.200	0.066	1.200	0.066	1.200	0.066	1.200	0.066	1.200	0.066
1.233	0.066	1.233	0.066	1.233	0.066	1.233	0.066	1.233	0.066
1.267	0.066	1.267	0.066	1.267	0.066	1.267	0.066	1.267	0.066
1.300	0.066	1.300	0.066	1.300	0.066	1.300	0.066	1.300	0.066
1.333	0.066	1.333	0.066	1.333	0.066	1.333	0.066	1.333	0.066
1.367	0.066	1.367	0.066	1.367	0.066	1.367	0.066	1.367	0.066
1.400	0.066	1.400	0.066	1.400	0.066	1.400	0.066	1.400	0.066

Unit Hyd Qpeak (cms) = 0.034

1.433	0.66	7.467	1.31	13.590	9.23	19.53	1.68	0.72
1.467	0.66	7.510	1.31	13.533	9.23	19.57	1.68	0.72
1.500	0.66	7.553	1.31	13.477	9.23	19.61	1.68	0.72
1.533	0.66	7.596	1.31	13.420	9.23	19.65	1.68	0.72
1.567	0.66	7.639	1.31	13.363	9.23	19.69	1.68	0.72
1.600	0.66	7.682	1.31	13.307	9.23	19.73	1.68	0.72
1.633	0.66	7.725	1.31	13.250	9.23	19.77	1.68	0.72
1.667	0.66	7.768	1.31	13.193	9.23	19.81	1.68	0.72
1.700	0.66	7.811	1.31	13.137	9.23	19.85	1.68	0.72
1.733	0.66	7.854	1.31	13.080	9.23	19.89	1.68	0.72
1.767	0.66	7.897	1.31	13.023	9.23	19.93	1.68	0.72
1.800	0.66	7.940	1.31	12.967	9.23	19.97	1.68	0.72
1.833	0.66	7.983	1.31	12.910	9.23	20.01	1.68	0.72
1.867	0.66	8.026	1.31	12.853	9.23	20.05	1.68	0.72
1.900	0.66	8.069	1.31	12.797	9.23	20.09	1.68	0.72
1.933	0.66	8.112	1.31	12.740	9.23	20.13	1.68	0.72
1.967	0.66	8.155	1.31	12.683	9.23	20.17	1.68	0.72
2.000	0.66	8.198	1.31	12.627	9.23	20.21	1.68	0.72
2.033	0.66	8.241	1.31	12.570	9.23	20.25	1.68	0.72
2.067	0.66	8.284	1.31	12.513	9.23	20.29	1.68	0.72
2.100	0.66	8.327	1.31	12.457	9.23	20.33	1.68	0.72
2.133	0.66	8.370	1.31	12.400	9.23	20.37	1.68	0.72
2.167	0.66	8.413	1.31	12.343	9.23	20.41	1.68	0.72
2.200	0.66	8.456	1.31	12.287	9.23	20.45	1.68	0.72
2.233	0.66	8.499	1.31	12.230	9.23	20.49	1.68	0.72
2.267	0.66	8.542	1.31	12.173	9.23	20.53	1.68	0.72
2.300	0.66	8.585	1.31	12.117	9.23	20.57	1.68	0.72
2.333	0.66	8.628	1.31	12.060	9.23	20.61	1.68	0.72
2.367	0.66	8.671	1.31	12.003	9.23	20.65	1.68	0.72
2.400	0.66	8.714	1.31	11.947	9.23	20.69	1.68	0.72
2.433	0.66	8.757	1.31	11.890	9.23	20.73	1.68	0.72
2.467	0.66	8.800	1.31	11.833	9.23	20.77	1.68	0.72
2.500	0.66	8.843	1.31	11.777	9.23	20.81	1.68	0.72
2.533	0.66	8.886	1.31	11.720	9.23	20.85	1.68	0.72
2.567	0.66	8.929	1.31	11.663	9.23	20.89	1.68	0.72
2.600	0.66	8.972	1.31	11.607	9.23	20.93	1.68	0.72
2.633	0.66	9.015	1.31	11.550	9.23	20.97	1.68	0.72
2.667	0.66	9.058	1.31	11.493	9.23	21.01	1.68	0.72
2.700	0.66	9.101	1.31	11.437	9.23	21.05	1.68	0.72
2.733	0.66	9.144	1.31	11.380	9.23	21.09	1.68	0.72
2.767	0.66	9.187	1.31	11.323	9.23	21.13	1.68	0.72
2.800	0.66	9.230	1.31	11.267	9.23	21.17	1.68	0.72
2.833	0.66	9.273	1.31	11.210	9.23	21.21	1.68	0.72
2.867	0.66	9.316	1.31	11.153	9.23	21.25	1.68	0.72
2.900	0.66	9.359	1.31	11.097	9.23	21.29	1.68	0.72
2.933	0.66	9.402	1.31	11.040	9.23	21.33	1.68	0.72
2.967	0.66	9.445	1.31	10.983	9.23	21.37	1.68	0.72
3.000	0.66	9.488	1.31	10.927	9.23	21.41	1.68	0.72
3.033	0.66	9.531	1.31	10.870	9.23	21.45	1.68	0.72
3.067	0.66	9.574	1.31	10.813	9.23	21.49	1.68	0.72
3.100	0.66	9.617	1.31	10.757	9.23	21.53	1.68	0.72
3.133	0.66	9.660	1.31	10.700	9.23	21.57	1.68	0.72
3.167	0.66	9.703	1.31	10.643	9.23	21.61	1.68	0.72
3.200	0.66	9.746	1.31	10.587	9.23	21.65	1.68	0.72
3.233	0.66	9.789	1.31	10.530	9.23	21.69	1.68	0.72
3.267	0.66	9.832	1.31	10.473	9.23	21.73	1.68	0.72
3.300	0.66	9.875	1.31	10.417	9.23	21.77	1.68	0.72
3.333	0.66	9.918	1.31	10.360	9.23	21.81	1.68	0.72
3.367	0.66	9.961	1.31	10.303	9.23	21.85	1.68	0.72
3.400	0.66	10.004	1.31	10.247	9.23	21.89	1.68	0.72
3.433	0.66	10.047	1.31	10.190	9.23	21.93	1.68	0.72
3.467	0.66	10.090	1.31	10.133	9.23	21.97	1.68	0.72
3.500	0.66	10.133	1.31	10.077	9.23	22.01	1.68	0.72
3.533	0.66	10.176	1.31	10.020	9.23	22.05	1.68	0.72
3.567	0.66	10.219	1.31	9.963	9.23	22.09	1.68	0.72
3.600	0.66	10.262	1.31	9.907	9.23	22.13	1.68	0.72
3.633	0.66	10.305	1.31	9.850	9.23	22.17	1.68	0.72
3.667	0.66	10.348	1.31	9.793	9.23	22.21	1.68	0.72
3.700	0.66	10.391	1.31	9.737	9.23	22.25	1.68	0.72
3.733	0.66	10.434	1.31	9.680	9.23	22.29	1.68	0.72
3.767	0.66	10.477	1.31	9.623	9.23	22.33	1.68	0.72
3.800	0.66	10.520	1.31	9.567	9.23	22.37	1.68	0.72
3.833	0.66	10.563	1.31	9.510	9.23	22.41	1.68	0.72
3.867	0.66	10.606	1.31	9.453	9.23	22.45	1.68	0.72
3.900	0.66	10.649	1.31	9.397	9.23	22.49	1.68	0.72
3.933	0.66	10.692	1.31	9.340	9.23	22.53	1.68	0.72
3.967	0.66	10.735	1.31	9.283	9.23	22.57	1.68	0.72
4.000	0.66	10.778	1.31	9.227	9.23	22.61	1.68	0.72
4.033	0.66	10.821	1.31	9.170	9.23	22.65	1.68	0.72
4.067	0.66	10.864	1.31	9.113	9.23	22.69	1.68	0.72
4.100	0.66	10.907	1.31	9.057	9.23	22.73	1.68	0.72
4.133	0.66	10.950	1.31	9.000	9.23	22.77	1.68	0.72
4.167	0.66	10.993	1.31	8.943	9.23	22.81	1.68	0.72
4.200	0.66	11.036	1.31	8.887	9.23	22.85	1.68	0.72
4.233	0.66	11.079	1.31	8.830	9.23	22.89	1.68	0.72
4.267	0.66	11.122	1.31	8.773	9.23	22.93	1.68	0.72
4.300	0.66	11.165	1.31	8.717	9.23	22.97	1.68	0.72
4.333	0.66	11.208	1.31	8.660	9.23	23.01	1.68	0.72
4.367	0.66	11.251	1.31	8.603	9.23	23.05	1.68	0.72
4.400	0.66	11.294	1.31	8.547	9.23	23.09	1.68	0.72
4.433	0.66	11.337	1.31	8.490	9.23	23.13	1.68	0.72
4.467	0.66	11.380	1.31	8.433	9.23	23.17	1.68	0.72
4.500	0.66	11.423	1.31	8.377	9.23	23.21	1.68	0.72
4.533	0.66	11.466	1.31	8.320	9.23	23.25	1.68	0.72
4.567	0.66	11.509	1.31	8.263	9.23	23.29	1.68	0.72
4.600	0.66	11.552	1.31	8.207	9.23	23.33	1.68	0.72
4.633	0.66	11.595	1.31	8.150	9.23	23.37	1.68	0.72
4.667	0.66	11.638	1.31	8.093	9.23	23.41	1.68	0.72
4.700	0.66	11.681	1.31	8.037	9.23	23.45	1.68	0.72
4.733	0.66	11.724	1.31	7.980	9.23	23.49	1.68	0.72
4.767	0.66	11.767	1.31	7.923	9.23	23.53	1.68	0.72
4.800	0.66	11.810	1.31	7.867	9.23	23.57	1.68	0.72
4.833	0.66	11.853	1.31	7.810	9.23	23.61	1.68	0.72
4.867	0.66	11.896	1.31	7.753	9.23	23.65	1.68	0.72
4.900	0.66	11.939	1.31	7.697	9.23	23.69	1.68	0.72
4.933	0.66	11.982	1.31	7.640	9.23	23.73	1.68	0.72
4.967	0.66	12.025	1.31	7.583	9.23	23.77	1.68	0.72
5.000	0.66	12.068	1.31	7.527	9.23	23.81	1.68	0.72
5.033	0.66	12.111	1.31	7.470	9.23	23.85	1.68	0.72
5.067	0.66	12.154	1.31	7.413	9.23	23.89	1.68	0.72
5.100	0.66	12.197	1.31	7.357	9.23	23.93	1.68	0.72
5.133	0.66	12.240	1.31	7.300	9.23	23.97	1.68	0.72
5.167	0.66	12.283	1.31	7.243	9.23	24.01	1.68	0.72
5.200	0.66	12.326	1.31	7.187	9.23	24.05	1.68	0.72
5.233	0.66	12.369	1.31	7.130	9.23	24.09	1.68	0.72
5.267	0.66	12.412	1.31	7.073	9.23	24.13	1.68	0.72
5.300	0.66	12.455	1.31	7.017	9.23	24.17	1.68	0.72
5.333	0.66	12.498	1.31	6.960	9.23	24.21	1.68	0.72
5.367	0.66	12.541	1.31	6.903	9.23	24.25	1.68	0.72
5.400	0.66	12.584	1.31	6.847	9.23	24.29	1.68	0.72
5.433	0.66	12.627	1.31	6.790	9.23	24.33	1.68	0.72
5.467	0.66	12.670	1.31	6.733	9.23	24.37	1.68	0.72
5.500	0.66	12.713	1.31	6.677	9.23	24.41	1.68	0.72
5.533	0.66	12.756	1.31	6.620	9.23	24.45	1.68	0.72
5.567	0.66	12.799	1.31	6.563	9.23	24.49	1.68	0.72
5.600	0.66	12.842	1.31	6.507	9.23	24.53	1.68	0.72
5.633	0.66	12.885	1.31	6.450	9.23	24.57	1.68	0.72
5.667	0.66	12.928	1.31	6.393	9.23	24.61	1.68	0.72
5.700	0.66	12.971	1.31	6.337	9.23	24.65	1.68	0.72
5.733	0.66	13.014	1.31	6.280	9.23	24.69	1.68	0.72
5.767	0.66	13.057	1.31	6.223	9.23	24.73	1.68	0.72
5.800	0.66	13.100	1.31	6.167	9.23	24.77	1.68	0.72
5.833	0.66	13.143	1.31	6.110	9.23	24.81	1.68	0.72
5.867	0.66	13.186	1.31	6.053	9.23	24.85	1.68	0.72
5.900	0.66	13.229	1.31	5.997	9.23	24.89	1.68	0.72
5.933	0.66	13.272	1.31	5.940	9.23	24.93	1.68	0.72
5.967	0.66	13.315	1.31	5.883	9.23	24.97	1.68	0.72
6.000	0.66	13.358	1.31	5.82				

5.780	0.96	11.733	17.69	17.767	1.08	23.88	0.72
5.73	0.96	11.767	17.69	17.890	1.08	23.83	0.72
5.880	0.96	11.833	17.77	17.867	1.08	23.93	0.72
5.833	0.96	11.867	17.316	17.900	1.08	23.93	0.72
5.960	0.96	11.933	17.316	17.953	1.08	24.00	0.72
5.933	0.96	11.967	17.316	18.000	1.08	24.03	0.72
6.060	0.96	12.033	17.316	18.053	1.08	24.10	0.36
6.033	0.96	12.067	17.316	18.100	1.08		

Unit Hyd Qpeak (cms) = 0.523

PEAK FLOW (cms) = 0.171 (1)
 RUNOFF VOLUME (mm) = 23.320
 TOTAL RAINFALL (mm) = 59.770
 RUNOFF COEFFICIENT = 0.399

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
0.000	0.00	6.067	0.96	12.100	40.79	18.13	1.08
0.067	0.00	6.133	1.02	12.133	8.61	18.17	1.08
0.133	0.00	6.200	1.08	12.200	8.61	18.23	1.08
0.167	0.00	6.266	1.08	12.233	8.61	18.27	1.08
0.233	0.00	6.333	1.08	12.300	8.61	18.33	1.08
0.267	0.00	6.366	1.08	12.333	8.61	18.37	1.08
0.333	0.00	6.433	1.08	12.400	8.61	18.40	1.08
0.367	0.00	6.466	1.08	12.433	8.61	18.47	1.08
0.400	0.00	6.500	1.08	12.467	8.61	18.50	1.08
0.466	0.00	6.566	1.08	12.533	8.61	18.57	1.08
0.500	0.00	6.600	1.08	12.600	8.61	18.60	1.08
0.566	0.00	6.666	1.08	12.633	4.42	18.67	1.08
0.600	0.00	6.700	1.08	12.700	4.42	18.77	1.08
0.666	0.00	6.766	1.08	12.733	4.42	18.87	1.08
0.700	0.00	6.800	1.08	12.800	4.42	18.90	1.08
0.766	0.00	6.866	1.08	12.833	4.42	18.97	1.08
0.800	0.00	6.900	1.08	12.900	4.42	19.00	1.08
0.866	0.00	6.966	1.08	12.933	4.42	19.03	1.08
0.900	0.00	7.000	1.08	13.000	4.42	19.03	1.08
0.966	0.00	7.066	1.08	13.033	4.42	19.07	1.08
0.967	0.00	7.066	1.08	13.033	4.42	19.07	1.08

Area (ha) = 1.47 Curve Number (CN) = 79.0

Ia (mm) = 6.75 # of Linear Res. (N) = 3.60

U.H. Tp(hrs) = 0.19

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

UNIT HYD Qpeak (cms) = 0.523

PEAK FLOW (cms) = 0.171 (1)

RUNOFF VOLUME (mm) = 23.320

TOTAL RAINFALL (mm) = 59.770

RUNOFF COEFFICIENT = 0.399

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

Area (ha) = 1.47 Curve Number (CN) = 79.0

Ia (mm) = 6.75 # of Linear Res. (N) = 3.60

U.H. Tp(hrs) = 0.19

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

UNIT HYD Qpeak (cms) = 0.523

PEAK FLOW (cms) = 0.171 (1)

RUNOFF VOLUME (mm) = 23.320

TOTAL RAINFALL (mm) = 59.770

RUNOFF COEFFICIENT = 0.399

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

Area (ha) = 1.47 Curve Number (CN) = 79.0

Ia (mm) = 6.75 # of Linear Res. (N) = 3.60

U.H. Tp(hrs) = 0.19

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

UNIT HYD Qpeak (cms) = 0.523

PEAK FLOW (cms) = 0.171 (1)

RUNOFF VOLUME (mm) = 23.320

TOTAL RAINFALL (mm) = 59.770

RUNOFF COEFFICIENT = 0.399

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

Area (ha) = 1.47 Curve Number (CN) = 79.0

Ia (mm) = 6.75 # of Linear Res. (N) = 3.60

U.H. Tp(hrs) = 0.19

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

UNIT HYD Qpeak (cms) = 0.523

PEAK FLOW (cms) = 0.171 (1)

RUNOFF VOLUME (mm) = 23.320

TOTAL RAINFALL (mm) = 59.770

RUNOFF COEFFICIENT = 0.399

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

Area (ha) = 1.47 Curve Number (CN) = 79.0

Ia (mm) = 6.75 # of Linear Res. (N) = 3.60

U.H. Tp(hrs) = 0.19

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

UNIT HYD Qpeak (cms) = 0.523

PEAK FLOW (cms) = 0.171 (1)

RUNOFF VOLUME (mm) = 23.320

TOTAL RAINFALL (mm) = 59.770

RUNOFF COEFFICIENT = 0.399

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

Area (ha) = 1.47 Curve Number (CN) = 79.0

Ia (mm) = 6.75 # of Linear Res. (N) = 3.60

U.H. Tp(hrs) = 0.19

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

UNIT HYD Qpeak (cms) = 0.523

PEAK FLOW (cms) = 0.171 (1)

RUNOFF VOLUME (mm) = 23.320

TOTAL RAINFALL (mm) = 59.770

RUNOFF COEFFICIENT = 0.399

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

Area (ha) = 1.47 Curve Number (CN) = 79.0

Ia (mm) = 6.75 # of Linear Res. (N) = 3.60

U.H. Tp(hrs) = 0.19

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

UNIT HYD Qpeak (cms) = 0.523

PEAK FLOW (cms) = 0.171 (1)

RUNOFF VOLUME (mm) = 23.320

TOTAL RAINFALL (mm) = 59.770

RUNOFF COEFFICIENT = 0.399

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

Area (ha) = 1.47 Curve Number (CN) = 79.0

Ia (mm) = 6.75 # of Linear Res. (N) = 3.60

U.H. Tp(hrs) = 0.19

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

UNIT HYD Qpeak (cms) = 0.523

PEAK FLOW (cms) = 0.171 (1)

RUNOFF VOLUME (mm) = 23.320

TOTAL RAINFALL (mm) = 59.770

RUNOFF COEFFICIENT = 0.399

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

Area (ha) = 1.47 Curve Number (CN) = 79.0

Ia (mm) = 6.75 # of Linear Res. (N) = 3.60

U.H. Tp(hrs) = 0.19

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

UNIT HYD Qpeak (cms) = 0.523

PEAK FLOW (cms) = 0.171 (1)

RUNOFF VOLUME (mm) = 23.320

TOTAL RAINFALL (mm) = 59.770

RUNOFF COEFFICIENT = 0.399

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

Area (ha) = 1.47 Curve Number (CN) = 79.0

Ia (mm) = 6.75 # of Linear Res. (N) = 3.60

U.H. Tp(hrs) = 0.19

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

UNIT HYD Qpeak (cms) = 0.523

PEAK FLOW (cms) = 0.171 (1)

RUNOFF VOLUME (mm) = 23.320

TOTAL RAINFALL (mm) = 59.770

RUNOFF COEFFICIENT = 0.399

1.000	0.66	7.033	1.08	13.067	4.42	19.10	1.08
1.033	0.66	7.067	1.08	13.100	3.82	19.13	1.08
1.066	0.66	7.100	1.08	13.133	3.23	19.20	1.08
1.100	0.66	7.133	1.08	13.167	3.23	19.26	1.08
1.133	0.66	7.167	1.08	13.200	3.23	19.30	1.08
1.166	0.66	7.200	1.08	13.233	3.23	19.36	1.08
1.200	0.66	7.233	1.08	13.267	3.23	19.40	1.08
1.233	0.66	7.267	1.08	13.300	3.23	19.43	1.08
1.266	0.66	7.300	1.08	13.333	3.23	19.47	1.08
1.300	0.66	7.333	1.08	13.366	3.23	19.50	1.08
1.333	0.66	7.367	1.08	13.400	3.23	19.53	1.08
1.366	0.66	7.400	1.08	13.433	3.23	19.57	1.08
1.400	0.66	7.433	1.08	13.467	3.23	19.60	1.08
1.433	0.66	7.467	1.08	13.500	3.23	19.63	1.08
1.466	0.66	7.500	1.08	13.533	3.23	19.67	1.08
1.500	0.66	7.533	1.08	13.566	3.23	19.70	1.08
1.533	0.66	7.567	1.08	13.600	3.23	19.73	1.08
1.566	0.66	7.600	1.08	13.633	3.23	19.76	1.08
1.600	0.66	7.633	1.08	13.666	3.23	19.79	1.08
1.633	0.66	7.667	1.08	13.700	3.23	19.82	1.08
1.666	0.66	7.700	1.08	13.733	3.23	19.85	1.08
1.700	0.66	7.733	1.08	13.766	3.23	19.88	1.08
1.733	0.66	7.767	1.08	13.800	3.23	19.91	1.08
1.766	0.66	7.800	1.08	13.833	3.23	19.94	1.08
1.800	0.66	7.833	1.08	13.866	3.23	19.97	1.08
1.833	0.66	7.867	1.08	13.900	3.23	20.00	1.08
1.866	0.66	7.900	1.08	13.933	3.23	20.03	1.08
1.900	0.66	7.933	1.08	13.966	3.23	20.06	1.08
1.933	0.66	7.967	1.08	14.000	3.23	20.09	1.08
1.966	0.66	8.000	1.08	14.033	3.23	20.12	1.08
2.000	0.66	8.033	1.08	14.066	3.23	20.15	1.08
2.033	0.66	8.067	1.08	14.100	3.23	20.18	1.08
2.066	0.66	8.100	1.08	14.133	3.23	20.21	1.08
2.100	0.66	8.133	1.08	14.166	3.23	20.24	1.08
2.133	0.66	8.167	1.08	14.200	3.23	20.27	1.08
2.166	0.66	8.200	1.08	14.233	3.23	20.30	1.08
2.200	0.66	8.233	1.08	14.266	3.23	20.33	1.08
2.233	0.66	8.267	1.08	14.300	3.23	20.36	1.08
2.266	0.66	8.300	1.08	14.333	3.23	20.39	1.08
2.300	0.66	8.333	1.08	14.366	3.23	20.42	1.08
2.333	0.66	8.367	1.08	14.400	3.23	20.45	1.08
2.366	0.66	8.400	1.08	14.433	3.23	20.48	1.08
2.400	0.66	8.433	1.08	14.466	3.23	20.51	1.08
2.433	0.66	8.467	1.08	14.500	3.23	20.54	1.08
2.466	0.66	8.500	1.08	14.533	3.23	20.57	1.08
2.500	0.66	8.533	1.08	14.566	3.23	20.60	1.08
2.533	0.66	8.567	1.08	14.600	3.23	20.63	1.08
2.566	0.66	8.600	1.08	14.633	3.23	20.66	1.08
2.600	0.66	8.633	1.08	14.666	3.23	20.69	1.08
2.633	0.66	8.667	1.08	14.700	3.23	20.72	1.08
2.666	0.66	8.700	1.08	14.733	3.23	20.75	1.08
2.700	0.66	8.733	1.08	14.766	3.23	20.78	1.

IO= 1 DT= 2.0 min | Ia (mm)= 6.75 # of Linear Res. (N)= 3.00
 ----- | U.H. Tp(hrs)= 0.14

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

0.167	3.95	0.967	9.20	1.767	14.44	2.57	5.05
0.200	4.16	1.000	9.20	1.890	12.82	2.60	4.91
0.233	4.16	1.033	10.90	1.833	12.82	2.63	4.77
0.267	4.28	1.067	10.90	1.867	10.75	2.67	4.77
0.300	4.41	1.100	12.21	1.900	10.75	2.70	4.52

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

UNIT Hyd Qpeak (cms) = 0.098	
PEAK FLOW	(cms) = 0.015 (1)
TIME TO PEAK	(hr-s) = 1.693
TIME TO RISE	(hr-s) = 0.357
TOTAL RAINFALL	(mm) = 38.537
RUNOFF COEFFICIENT	= 0.264

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

	IMPERVIOUS	PERVIOUS (1)
Surface Area (ha) =	0.50	0.45
Dep. Storage (mm) =	1.00	6.75
Average Slope (%) =	1.00	2.00
Length (m) =	50.00	40.00
Mannings n =	0.013	0.250

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	6.00	0.899	7.10	1.583	34.74	2.37	5.76

[illegible]

RUNOFF COEFFICIENT = 0.264

(i) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB (ha) = 0.08 Curve Number (CN) = 79.0
 MASHDY (0108) Area Ia (mm) = 6.75 # of Linear Res. (N) = 3.00
 ID= 1 DT= 2.0 min U.H. Tp (hrs) = 0.09

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP

--- TRANSFORMED HYETOGRAPH ---			
TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr
0.033	0.00	0.833	7.10
		1.633	21.79
		2.43	5.57

Unit Hyd Qpeak	(cms) =	0.034
PEAK FLOW	(cms) =	0.004 (1)
TIME TO PEAK	(hrs) =	1.567
RUNOFF VOLUME	(mm) =	10.166
TOTAL RAINFALL	(mm) =	38.537
RUNOFF COEFFICIENT	=	0.264

LIB	Area	(ha)	Curve Number
SP10	11	(mm)	# of Linear Res.
1 DT = 2.0 min		U.H. T _p (hr.s)	2.0 MIN. TIME STEP

ORIGINAL HYPERGRAPH				TRANSFORMED HYPERGRAPH			
TIME	RAM	TIME	RAM	TIME	RAM	TIME	RAM
mm/yr	MB	mm/yr	MB	mm/yr	MB	mm/yr	MB
0.033	0.00	1.633	7.10	1.633	21.79	2.43	5.57
0.067	0.00	3.267	14.20	3.267	43.58	4.86	11.14
0.067	0.00	0.967	8.69	1.967	21.09	2.97	5.38
0.067	0.00	0.967	8.69	1.967	21.09	2.97	5.38
0.133	0.00	6.533	28.39	6.533	87.17	12.53	28.90
0.133	0.00	0.933	8.69	1.733	16.95	2.53	5.05
0.167	0.00	0.967	8.69	1.733	16.95	2.53	5.05
0.167	0.00	3.95	16.97	3.95	17.44	2.57	5.65
0.167	0.00	0.967	8.69	1.733	16.95	2.53	5.05
0.167	0.00	0.967	8.69	1.733	16.95	2.53	5.05
0.233	0.00	1.933	10.69	1.933	12.82	2.63	4.77
0.233	0.00	1.933	10.69	1.933	12.82	2.63	4.77
0.267	0.00	1.967	10.69	1.967	10.95	2.67	4.77
0.267	0.00	1.967	10.69	1.967	10.95	2.67	4.77
0.333	0.00	3.933	14.11	3.933	13.42	3.33	4.52
0.333	0.00	3.933	14.11	3.933	13.42	3.33	4.52
0.367	0.00	1.633	13.52	1.633	19.63	2.73	4.41
0.367	0.00	1.633	13.52	1.633	19.63	2.73	4.41
0.433	0.00	1.633	13.52	1.633	19.63	2.73	4.41
0.433	0.00	1.633	13.52	1.633	19.63	2.73	4.41
0.467	0.00	1.633	13.52	1.633	19.63	2.73	4.41
0.467	0.00	1.633	13.52	1.633	19.63	2.73	4.41
0.467	0.00	5.61	23.12	5.61	23.87	4.30	9.86
0.467	0.00	5.61	23.12	5.61	23.87	4.30	9.86
0.500	0.00	1.366	28.13	1.366	29.00	4.19	4.19
0.500	0.00	1.366	28.13	1.366	29.00	4.19	4.19
0.500	0.00	1.366	28.13	1.366	29.00	4.19	4.19
0.500	0.00	1.366	28.13	1.366	29.00	4.19	4.19
0.567	0.00	1.367	65.95	1.367	7.40	3.92	3.92
0.567	0.00	1.367	65.95	1.367	7.40	3.92	3.92
0.567	0.00	1.367	65.95	1.367	7.40	3.92	3.92
0.567	0.00	1.367	65.95	1.367	7.40	3.92	3.92

46

D HYD (0009)	AREA	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3	3.15	0.697	1.77	10.17
ID= 1 (0101) :	1.47	0.651	1.70	10.17
+ ID2= 2 (0103) :	4.62	0.147	1.73	10.17
ID= 3 (0009) :				

LIB SHYD (0102) 1 DT= 2.0 min	Area Ia (mm) = U.H. Tp(hrs)=	(ha) = 14.73 6.75 0.33	Curve Number # of Linear Res.(N)=	(CN)= 79.0 3.00
--------------------------------------	------------------------------------	------------------------------	--------------------------------------	--------------------

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

TIME			TRANSFORMED HYDROGRAPH			TIME		
min	h	mm	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.033	0.60	0.833	7.40	1.633	21.79	2.45	5.57	3.80
0.067	1.20	1.667	14.80	3.267	43.58	4.90	11.14	7.60
0.100	1.80	2.500	22.20	4.900	65.37	7.35	16.69	11.40
0.133	2.40	3.333	29.60	6.533	87.16	9.80	22.13	15.20
0.167	3.00	4.167	37.00	8.167	108.95	12.25	27.58	19.00
0.200	3.60	5.000	44.40	9.800	130.74	14.70	33.03	22.80
0.233	4.20	5.833	51.80	11.433	152.53	17.15	38.48	26.60
0.267	4.80	6.667	59.20	13.067	174.32	19.60	43.93	30.40
0.300	5.40	7.500	66.60	14.700	196.11	22.05	49.38	34.20
0.333	6.00	8.333	74.00	16.333	217.90	24.50	54.83	38.00
0.367	6.60	9.167	81.40	17.967	239.69	26.95	60.28	41.80
0.400	7.20	10.000	88.80	19.600	261.48	29.40	65.73	45.60
0.433	7.80	10.833	96.20	21.233	283.27	31.85	71.18	49.40
0.467	8.40	11.667	103.60	22.867	305.06	34.30	76.63	53.20
0.500	9.00	12.500	111.00	24.500	326.85	36.75	82.08	57.00
0.533	9.60	13.333	118.40	26.133	348.64	39.20	87.53	60.80
0.567	10.20	14.167	125.80	27.767	370.43	41.65	92.98	64.60
0.600	10.80	15.000	133.20	29.400	392.22	44.10	98.43	68.40
0.633	11.40	15.833	140.60	31.033	414.01	46.55	103.88	72.20
0.667	12.00	16.667	148.00	32.667	435.80	49.00	109.33	76.00
0.700	12.60	17.500	155.40	34.300	457.59	51.45	114.78	79.80
0.733	13.20	18.333	162.80	35.933	479.38	53.90	120.23	83.60
0.767	13.80	19.167	170.20	37.567	501.17	56.35	125.68	87.40
0.800	14.40	20.000	177.60	39.200	522.96	58.80	131.13	91.20
0.833	15.00	20.833	185.00	40.833	544.75	61.25	136.58	95.00
0.867	15.60	21.667	192.40	42.467	566.54	63.70	142.03	98.80
0.900	16.20	22.500	199.80	44.100	588.33	66.15	147.48	102.60
0.933	16.80	23.333	207.20	45.733	610.12	68.60	152.93	106.40
0.967	17.40	24.167	214.60	47.367	631.91	71.05	158.38	110.20
1.000	18.00	25.000	222.00	49.000	653.70	73.50	163.83	114.00
1.033	18.60	25.833	229.40	50.633	675.49	75.95	169.28	117.80
1.067	19.20	26.667	236.80	52.267	697.28	78.40	174.73	121.60
1.100	19.80	27.500	244.20	53.900	719.07	80.85	180.18	125.40
1.133	20.40	28.333	251.60	55.533	740.86	83.30	185.63	129.20
1.167	21.00	29.167	259.00	57.167	762.65	85.75	191.08	133.00
1.200	21.60	30.000	266.40	58.800	784.44	88.20	196.53	136.80
1.233	22.20	30.833	273.80	60.433	806.23	90.65	201.98	140.60
1.267	22.80	31.667	281.20	62.067	828.02	93.10	207.43	144.40
1.300	23.40	32.500	288.60	63.700	849.81	95.55	212.88	148.20
1.333	24.00	33.333	296.00	65.333	871.60	98.00	218.33	152.00
1.367	24.60	34						

PEAK FLOW	(cms) =	0.367	(l)
TIME TO PEAK	(hrs) =	1.900	
RUNOFF VOLUME	(mm) =	10.174	
TOTAL RAINFALL	(mm) =	38.537	
RUNOFF COEFFICIENT	=	0.264	

Filename: C:\Users\rmelick\AppData
Local\Temp\
f3bf6fd-8844-4cbb-8aa1-19b887cc49c8\5b9ae7d
53r 24hr Type II (MT0)
Comments:

48

Unit Hyd Qpeak	(cms)=	0.523
PEAK FLOW	(cms)=	0.097 (l)
TIME TO PEAK	(hrs)=	1.767
RUNOFF VOLUME	(mm)=	10.174
TOTAL RAINFALL	(mm)=	38.537
RUNOFF COEFFICIENT	=	0.264

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

[illegible]

PEAK FLOW	(cms) =	0.051	(i)
TIME TO PEAK	(hrs) =	1.790	
RUNOFF VOLUME	(mm) =	19.174	
TOTAL RAINFALL	(mm) =	38.537	
RUNOFF COEFFICIENT	=	0.264	

46

ADD HYD 2 (0016)	AREA (ha)	PEAK (cms)	P. V. (mm)
ID1 - 1 (0102)	14.73	8.367	1.96
+ ID2 - 2 (0002)	15.25	8.688	10.17
ID 3 (0016)	19.35	6.498	1.83
			10.17

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

(v 6.2.2016)

***** DETAILED OUTPUT *****

```

Input filename: C:\Program Files (x86)\Visual OTTHYM0 6.2\VO2\vo.in.dat
Output filename:
C:\Users\me\appdata\Local\CVicita\WH5\ee1fe3a4-48f5-416c-bec2-dede8bd38cf6\90c\bd
769-1b3ba-48ff-881e-8382c656f27\scen
Summary filename:
C:\Users\me\appdata\Local\CVicita\WH5\ee1fe3a4-48f5-416c-bec2-dede8bd38cf6\90c\bd
769-1b3ba-48ff-881e-8382c656f27\scen

```

: 10/29/2024

```
*****  
** SIMULATION : 005yr_24hr_5min_SCS_Type II ( **  
*****
```

Filename: C:\Users\rmelick\AppData
Local\Temp\
f3bf6fd-8844-4cbb-8aa1-19b887cc49c8\5b9ae7d
53r 24hr Type II (MT0)
Comments:

5.567	1.14	11.699	13.94	17.633	1.28	23.67	0.857	0.78	6.999	1.28	12.933	5.26	18.97	1.28
5.699	1.14	11.633	21.03	17.667	1.28	23.76	0.989	0.78	6.933	1.28	12.967	5.26	19.09	1.28
5.697	1.14	11.799	21.93	17.733	1.28	23.77	0.967	0.78	7.999	1.28	13.033	5.26	19.07	1.28
5.789	1.14	11.733	21.03	17.767	1.28	23.88	1.099	0.78	7.933	1.28	13.067	5.26	19.19	1.28
5.797	1.14	11.899	21.93	17.833	1.28	23.87	1.097	0.78	7.967	1.28	13.133	5.26	19.17	1.28
5.899	1.14	11.833	21.11	17.867	1.28	23.99	1.199	0.78	7.133	1.28	13.167	5.26	19.29	1.28
5.897	1.14	11.999	21.93	17.933	1.28	23.97	1.197	0.78	7.967	1.28	13.233	5.26	19.27	1.28
5.969	1.14	11.933	21.11	17.967	1.28	24.09	1.299	0.78	7.233	1.28	13.267	5.26	19.39	1.28
5.967	1.14	12.067	21.93	18.033	1.28	24.03	1.297	0.78	7.267	1.28	13.333	5.26	19.37	1.28
6.069	1.14	12.033	21.11	18.067	1.28	24.19	1.399	0.78	7.333	1.28	13.367	5.26	19.49	1.28
6.067	1.14	12.199	21.93	18.133	1.28	24.16	1.397	0.78	7.367	1.28	13.433	5.26	19.47	1.28
6.133	1.14	12.633	21.11	18.167	1.28	24.19	1.499	0.78	7.433	1.28	13.467	5.26	19.59	1.28

Unit Hyd Gpeak (cms) = 0.528

PEAK FLOW (cms) = 0.236 (1)
TIME TO PEAK (hrs) = 42.269 (1)
RUNOFF VOLUME (mm) = 31.356
AVERAGE SLOPE (ft/ft) = 0.45
RUNOFF COEFFICIENT = 0.441

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB		Area		Curve Number		CN= 79.0	
WASHO (0104)		Ia		# of Linear Res. (N)		79.0	
ID= 1 DT= 2.0 min		0.75		6.75		3.09	
		U.H. T _P (hrs) =		0.14			

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

TIME		RAIN		TRANSFORMED HYETOGRAPH		TIME		RAIN	
hrs		mm/hr		mm/hr		hrs		mm/hr	
0.033	0.00	6.067	1.14	12.199	48.48	18.13	1.28	12.933	5.26
0.166	0.39	6.133	1.28	12.163	18.23	18.26	1.28	13.033	5.26
0.133	0.78	6.167	1.28	12.269	18.23	18.23	1.28	13.067	5.26
0.266	0.78	6.299	1.28	12.233	18.23	18.26	1.28	13.133	5.26
0.233	0.78	6.267	1.28	12.369	18.23	18.33	1.28	13.167	5.26
0.266	0.78	6.399	1.28	12.333	18.23	18.37	1.28	13.233	5.26
0.333	0.78	6.367	1.28	12.499	18.23	18.43	1.28	13.267	5.26
0.366	0.78	6.499	1.28	12.433	18.23	18.47	1.28	13.333	5.26
0.433	0.78	6.467	1.28	12.599	18.23	18.53	1.28	13.367	5.26
0.466	0.78	6.599	1.28	12.533	18.23	18.57	1.28	13.433	5.26
0.533	0.78	6.567	1.28	12.669	18.23	18.63	1.28	13.467	5.26
0.566	0.78	6.699	1.28	12.633	18.23	18.67	1.28	13.533	5.26
0.633	0.78	6.667	1.28	12.799	18.23	18.73	1.28	13.567	5.26
0.666	0.78	6.799	1.28	12.733	18.23	18.77	1.28	13.633	5.26
0.699	0.78	6.733	1.28	12.867	18.23	18.83	1.28	13.667	5.26
0.766	0.78	6.899	1.28	12.833	18.23	18.87	1.28	13.733	5.26
0.833	0.78	6.867	1.28	12.967	18.23	18.93	1.28	13.767	5.26
0.866	0.78	6.999	1.28	12.933	18.23	18.97	1.28	13.833	5.26
0.933	0.78	6.967	1.28	13.067	18.23	19.03	1.28	13.867	5.26

53

54

3.099	0.92	9.033	1.99	15.967	2.13	21.19	5.133	1.14	11.167	6.32	17.299	1.28	23.23	0.85
3.033	0.92	9.067	1.99	15.999	2.13	21.13	5.167	1.14	11.299	6.32	17.233	1.28	23.27	0.85
3.166	0.92	9.133	2.27	15.167	2.13	21.26	5.233	1.14	11.367	6.32	17.367	1.28	23.37	0.85
3.133	0.92	9.167	2.27	15.299	2.13	21.23	5.267	1.14	11.399	6.32	17.333	1.28	23.33	0.85
3.266	0.92	9.233	2.27	15.263	2.13	21.30	5.333	1.14	11.367	6.32	17.367	1.28	23.43	0.85
3.233	0.92	9.267	2.27	15.399	2.13	21.33	5.367	1.14	11.499	6.32	17.333	1.28	23.47	0.85
3.366	0.92	9.333	2.27	15.363	2.13	21.40	5.433	1.14	11.467	6.32	17.467	1.28	23.57	0.85
3.333	0.92	9.367	2.27	15.499	2.13	21.43	5.467	1.14	11.599	6.32	17.433	1.28	23.57	0.85
3.466	0.92	9.499	2.27	15.433	2.13	21.47	5.500	1.14	11.533	6.32	17.567	1.28	23.69	0.85
3.433	0.92	9.467	2.27	15.599	2.13	21.53	5.567	1.14	11.699	6.32	17.533	1.28	23.67	0.85
3.566	0.92	9.599	2.27	15.533	2.13	21.57	5.600	1.14	11.633	6.32	17.667	1.28	23.79	0.85
3.533	0.92	9.567	2.27	15.699	2.13	21.63	5.667	1.14	11.799	6.32	17.633	1.28	23.77	0.85
3.666	0.92	9.699	2.27	15.633	2.13	21.67	5.733	1.14	11.733	6.32	17.767	1.28	23.89	0.85
3.633	0.92	9.667	2.27	15.799	2.13	21.73	5.799	1.14	11.899	6.32	17.733	1.28	23.97	0.85
3.766	0.92	9.799	2.27	15.733	2.13	21.77	5.866	1.14	11.833	6.32	17.867	1.28	24.09	0.85
3.733	0.92	9.767	2.27	15.899	2.13	21.83	5.899	1.14	11.966	6.32	17.833	1.28	24.07	0.85
3.866	0.92	9.899	2.27	15.833	2.13	21.87	5.966	1.14	11.933	6.32	17.967	1.28	24.19	0.85
3.833	0.92	9.867	2.27	15.999	2.13	21.93	5.999	1.14	12.067	6.32	17.933	1.28	24.27	0.85
3.966	0.92	9.999	2.27	15.933	2.13	21.97	6.066	1.14	12.033	6.32	18.067	1.28	24.39	0.85
3.933	0.92	9.967	2.27	16.099	2.13	22.03	6.033	1.14	12.067	6.32	18.033	1.28	24.47	0.85
4.066	0.92	10.099	2.27	16.033	2.13	22.07	6.099	1.14	12.133	6.32	18.167	1.28	24.59	0.85
4.033	0.92	10.067	2.27	16.199	2.13	22.13	6.166	1.14	12.167	6.32	18.133	1.28	24.67	0.85
4.166	0.92	10.199	2.27	16.133	2.13	22.17	6.233	1.14	12.233	6.32	18.267	1.28	24.79	0.85
4.133	0.92	10.167	2.27	16.299	2.13	22.23	6.267	1.14	12.299	6.32	18.233	1.28	24.87	0.85
4.266	0.92	10.299	2.27	16.233	2.13	22.27	6.333	1.14	12.367	6.32	18.367	1.28	24.99	0.85
4.233	0.92	10.267	2.27	16.399	2.13	22.33	6.367	1.14	12.433	6.32	18.333	1.28	25.07	0.85
4.366	0.92	10.399	2.27	16.333	2.13	22.37	6.433	1.14	12.467	6.32	18.467	1.28	25.19	0.85
4.333	0.92	10.367	2.27	16.499	2.13	22.43	6.467	1.14	12.533	6.32	18.433	1.28	25.27	0.85
4.466	0.92	10.499	2.27	16.433	2.13	22.47	6.533	1.14	12.567	6.32	18.567	1.28	25.39	0.85
4.433	0.92	10.467	2.27	16.599	2.13	22.53	6.567	1.14	12.633	6.32	18.533	1.28	25.47	0.85
4.566	0.92	10.599	2.27	16.533	2.13	22.57	6.633	1.14	12.667	6.32	18.667	1.28	25.59	0.85
4.533	0.92	10.567	2.27	16.699	2.13	22.63	6.667	1.14	12.733	6.32	18.633	1.28	25.67	0.85
4.666	0.92	10.699	2.27	16.633	2.13	22.67	6.733	1.14	12.767	6.32	18.767	1.28	25.79	0.85
4.633	0.92	10.667	2.27	16.799	2.13	22.73	6.767	1.14	12.833	6.32	18.733	1.28	25.87	0.85
4.766	0.92	10.799	2.27	16.733	2.13	22.77	6.833	1.14	12.867	6.32	18.867	1.28	25.99	0.85
4.733	0.92	10.767	2.27	16.899	2.13	22.83	6.867	1.14	12.933	6.32	18.833	1.28	26.07	0.85
4.866	0.92	10.899	2.27	16.833	2.13	22.87	6.933	1.14	12.967	6.32	18.967	1.28	26.19	0.85
4.833	0.92	10.867	2.27	16.999	2.13	22.93	6.967	1.14	13.033	6.32	18.933	1.28	26.27	0.85
4.966	0.92	10.999	2.27	16.933	2.13	22.97	7.033	1.14	13.067	6.32	19.067	1.28	26.39	0.85
4.933	0.92	10.967	2.27	17.099	2.13	23.03	7.067	1.14	13.133	6.32	19.033	1.28	26.47	0.85
5.066	0.92	11.099	2.27	17.033	2.13	23.07	7.133	1.14	13.167	6.32	19.167	1.28	26.59	0.85
5.033	0.92	11.067	2.27	17.199	2.13	23.13	7.167	1.14	13.233	6.32	19.133	1.28	26.67	0.85
5.166	0.92	11.199	2.27	17.133	2.13	23.17	7.233	1.14	13.267	6.32	19.267	1.28	26.79	0.85
5.133	0.92	11.167	2.27	17.299	2.13	23.23	7.267	1.14	13.333	6.32	19.233	1.28	26.87	0.85

55

Unit Hyd Gpeak (cms) = 0.698
PEAK FLOW (cms) = 0.836 (1)
TIME TO PEAK (hrs) = 12.133
RUNOFF VOLUME (mm) = 31.358
AVERAGE SLOPE (ft/ft) = 0.45
RUNOFF COEFFICIENT = 0.441

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB		Area		Curve Number		CN= 79.0	
STANDARD (0104)		Ia		# of Linear Res. (N)		79.0	
ID= 1 DT= 1.0 min		0.75		6.75		3.09	

0.117	0.78	6.150	1.28	12.183	10.23	18.22	1.28	1.28
0.133	0.78	6.167	1.28	12.209	10.23	18.23	1.28	1.28
0.150	0.78	6.184	1.28	12.235	10.23	18.24	1.28	1.28
0.167	0.78	6.200	1.28	12.261	10.23	18.25	1.28	1.28
0.183	0.78	6.217	1.28	12.287	10.23	18.26	1.28	1.28
0.200	0.78	6.233	1.28	12.313	10.23	18.27	1.28	1.28
0.217	0.78	6.250	1.28	12.339	10.23	18.28	1.28	1.28
0.233	0.78	6.266	1.28	12.365	10.23	18.29	1.28	1.28
0.250	0.78	6.283	1.28	12.391	10.23	18.30	1.28	1.28
0.267	0.78	6.299	1.28	12.417	10.23	18.31	1.28	1.28
0.283	0.78	6.316	1.28	12.443	10.23	18.32	1.28	1.28
0.300	0.78	6.333	1.28	12.469	10.23	18.33	1.28	1.28
0.317	0.78	6.349	1.28	12.495	10.23	18.34	1.28	1.28
0.333	0.78	6.366	1.28	12.521	10.23	18.35	1.28	1.28
0.350	0.78	6.383	1.28	12.547	10.23	18.36	1.28	1.28
0.367	0.78	6.399	1.28	12.573	10.23	18.37	1.28	1.28
0.383	0.78	6.416	1.28	12.599	10.23	18.38	1.28	1.28
0.400	0.78	6.433	1.28	12.625	10.23	18.39	1.28	1.28
0.417	0.78	6.449	1.28	12.651	10.23	18.40	1.28	1.28
0.433	0.78	6.466	1.28	12.677	10.23	18.41	1.28	1.28
0.450	0.78	6.483	1.28	12.703	10.23	18.42	1.28	1.28
0.467	0.78	6.500	1.28	12.729	10.23	18.43	1.28	1.28
0.483	0.78	6.517	1.28	12.755	10.23	18.44	1.28	1.28
0.500	0.78	6.533	1.28	12.781	10.23	18.45	1.28	1.28
0.517	0.78	6.550	1.28	12.807	10.23	18.46	1.28	1.28
0.533	0.78	6.567	1.28	12.833	10.23	18.47	1.28	1.28
0.550	0.78	6.583	1.28	12.859	10.23	18.48	1.28	1.28
0.567	0.78	6.600	1.28	12.885	10.23	18.49	1.28	1.28
0.583	0.78	6.617	1.28	12.911	10.23	18.50	1.28	1.28
0.600	0.78	6.633	1.28	12.937	10.23	18.51	1.28	1.28
0.617	0.78	6.650	1.28	12.963	10.23	18.52	1.28	1.28
0.633	0.78	6.667	1.28	12.989	10.23	18.53	1.28	1.28
0.650	0.78	6.683	1.28	13.015	10.23	18.54	1.28	1.28
0.667	0.78	6.700	1.28	13.041	10.23	18.55	1.28	1.28
0.683	0.78	6.717	1.28	13.067	10.23	18.56	1.28	1.28
0.700	0.78	6.733	1.28	13.093	10.23	18.57	1.28	1.28
0.717	0.78	6.750	1.28	13.119	10.23	18.58	1.28	1.28
0.733	0.78	6.767	1.28	13.145	10.23	18.59	1.28	1.28
0.750	0.78	6.783	1.28	13.171	10.23	18.60	1.28	1.28
0.767	0.78	6.800	1.28	13.197	10.23	18.61	1.28	1.28
0.783	0.78	6.817	1.28	13.223	10.23	18.62	1.28	1.28
0.800	0.78	6.833	1.28	13.249	10.23	18.63	1.28	1.28
0.817	0.78	6.850	1.28	13.275	10.23	18.64	1.28	1.28
0.833	0.78	6.867	1.28	13.301	10.23	18.65	1.28	1.28
0.850	0.78	6.883	1.28	13.327	10.23	18.66	1.28	1.28
0.867	0.78	6.900	1.28	13.353	10.23	18.67	1.28	1.28
0.883	0.78	6.917	1.28	13.379	10.23	18.68	1.28	1.28
0.900	0.78	6.933	1.28	13.405	10.23	18.69	1.28	1.28
0.917	0.78	6.950	1.28	13.431	10.23	18.70	1.28	1.28
0.933	0.78	6.967	1.28	13.457	10.23	18.71	1.28	1.28
0.950	0.78	6.983	1.28	13.483	10.23	18.72	1.28	1.28
0.967	0.78	7.000	1.28	13.509	10.23	18.73	1.28	1.28
0.983	0.78	7.017	1.28	13.535	10.23	18.74	1.28	1.28
1.000	0.78	7.033	1.28	13.561	10.23	18.75	1.28	1.28
1.017	0.78	7.050	1.28	13.587	10.23	18.76	1.28	1.28
1.033	0.78	7.067	1.28	13.613	10.23	18.77	1.28	1.28
1.050	0.78	7.083	1.28	13.639	10.23	18.78	1.28	1.28
1.067	0.78	7.100	1.28	13.665	10.23	18.79	1.28	1.28
1.083	0.78	7.117	1.28	13.691	10.23	18.80	1.28	1.28
1.100	0.78	7.133	1.28	13.717	10.23	18.81	1.28	1.28
1.117	0.78	7.150	1.28	13.743	10.23	18.82	1.28	1.28
1.133	0.78	7.167	1.28	13.769	10.23	18.83	1.28	1.28
1.150	0.78	7.183	1.28	13.795	10.23	18.84	1.28	1.28
1.167	0.78	7.200	1.28	13.821	10.23	18.85	1.28	1.28

57

58

1.183	0.78	7.217	1.56	13.848	1.56	13.848	3.84	19.28
1.200	0.78	7.233	1.56	13.874	1.56	13.874	3.84	19.28
1.217	0.78	7.250	1.56	13.900	1.56	13.900	3.84	19.28
1.233	0.78	7.267	1.56	13.926	1.56	13.926	3.84	19.28
1.250	0.78	7.283	1.56	13.952	1.56	13.952	3.84	19.28
1.267	0.78	7.300	1.56	13.978	1.56	13.978	3.84	19.28
1.283	0.78	7.317	1.56	14.004	1.56	14.004	3.84	19.28
1.300	0.78	7.333	1.56	14.030	1.56	14.030	3.84	19.28
1.317	0.78	7.350	1.56	14.056	1.56	14.056	3.84	19.28
1.333	0.78	7.367	1.56	14.082	1.56	14.082	3.84	19.28
1.350	0.78	7.383	1.56	14.108	1.56	14.108	3.84	19.28
1.367	0.78	7.400	1.56	14.134	1.56	14.134	3.84	19.28
1.383	0.78	7.417	1.56	14.160	1.56	14.160	3.84	19.28
1.400	0.78	7.433	1.56	14.186	1.56	14.186	3.84	19.28
1.417	0.78	7.450	1.56	14.212	1.56	14.212	3.84	19.28
1.433	0.78	7.467	1.56	14.238	1.56	14.238	3.84	19.28
1.450	0.78	7.483	1.56	14.264	1.56	14.264	3.84	19.28
1.467	0.78	7.500	1.56	14.290	1.56	14.290	3.84	19.28
1.483	0.78	7.517	1.56	14.316	1.56	14.316	3.84	19.28
1.500	0.78	7.533	1.56	14.342	1.56	14.342	3.84	19.28
1.517	0.78	7.550	1.56	14.368	1.56	14.368	3.84	19.28
1.533	0.78	7.567	1.56	14.394	1.56	14.394	3.84	19.28
1.550	0.78	7.583	1.56	14.420	1.56	14.420	3.84	19.28
1.567	0.78	7.600	1.56	14.446	1.56	14.446	3.84	19.28
1.583	0.78	7.617	1.56	14.472	1.56	14.472	3.84	19.28
1.600	0.78	7.633	1.56	14.498	1.56	14.498	3.84	19.28
1.617	0.78	7.650	1.56	14.524	1.56	14.524	3.84	19.28
1.633	0.78	7.667	1.56	14.550	1.56	14.550	3.84	19.28
1.650	0.78	7.683	1.56	14.576	1.56	14.576	3.84	19.28
1.667	0.78	7.700	1.56	14.602	1.56	14.602	3.84	19.28
1.683	0.78	7.717	1.56	14.628	1.56	14.628	3.84	19.28
1.700	0.78	7.733	1.56	14.654	1.56	14.654	3.84	19.28
1.717	0.78	7.750	1.56	14.680	1.56	14.680	3.84	19.28
1.733	0.78	7.767	1.56	14.706	1.56	14.706	3.84	19.28
1.750	0.78	7.783	1.56	14.732	1.56	14.732	3.84	19.28
1.767	0.78	7.800	1.56	14.758	1.56	14.758	3.84	19.28
1.783	0.78	7.817	1.56	14.784	1.56	14.784	3.84	19.28
1.800	0.78	7.833	1.56	14.810	1.56	14.810	3.84	19.28
1.817	0.78	7.850	1.56	14.836	1.56	14.836	3.84	19.28
1.833	0.78	7.867	1.56	14.862	1.56	14.862	3.84	19.28
1.850	0.78	7.883	1.56	14.888	1.56	14.888	3.84	19.28
1.867	0.78	7.900	1.56	14.914	1.56	14.914	3.84	19.28
1.883	0.78	7.917	1.56	14.940	1.56	14.940	3.84	19.28
1.900	0.78	7.933	1.56	14.966	1.56	14.966	3.84	19.28
1.917	0.78	7.950	1.56	14.992	1.56	14.992	3.84	19.28
1.933	0.78	7.967	1.56	15.018	1.56	15.018	3.84	19.28
1.950	0.78	7.983	1.56	15.044	1.56	15.044	3.84	19.28
1.967	0.78	8.000	1.56	15.070	1.56	15.070	3.84	19.28
1.983	0.78	8.017	1.56	15.096	1.56	15.096	3.84	19.28
2.000	0.78	8.033	1.56	15.122	1.56	15.122	3.84	19.28
2.017	0.78	8.050	1.56	15.148	1.56	15.148	3.84	19.28
2.033	0.78	8.067	1.56	15.174	1.56	15.174	3.84	19.28
2.050	0.78	8.083	1.56	15.200	1.56	15.200	3.84	19.28
2.067	0.78	8.100	1.56	15.226	1.56	15.226	3.84	19.28
2.083	0.78	8.117	1.56	15.252	1.56	15.252	3.84	19.28
2.100	0.78	8.133	1.56	15.278	1.56	15.278	3.84	19.28
2.117	0.78	8.150	1.56	15.304	1.56	15.304	3.84	19.28
2.133	0.78	8.167	1.56	15.330	1.56	15.330	3.84	19.28
2.150	0.78	8.183	1.56	15.356	1.56	15.356	3.84	19.28
2.167	0.78	8.200	1.56	15.382	1.56	15.382	3.84	19.28
2.183	0.78	8.217	1.56	15.408	1.56	15.408	3.84	19.28
2.200	0.78	8.233	1.56	15.434	1.56	15.434	3.84	19.28
2.217	0.78	8.250	1.56	15.460	1.56	15.460	3.84	19.28
2.233	0.78	8.267	1.56	15.486	1.56	15.486	3.84	19.28
2.250	0.78	8.283	1.56	15.512	1.56	15.512	3.84	19.28
2.267	0.78	8.300	1.56	15.538	1.56	15.538	3.84	19.28
2.283	0.78	8.317	1.56	15.564	1.56	15.564	3.84	19.28
2.300	0.78	8.333	1.56	15.590	1.56	15.590	3.84	19.28
2.317	0.78	8.350	1.56	15.616	1.56	15.616	3.84	19.28
2.333	0.78	8.367	1.56	15.642	1.56	15.642	3.84	1

4.383	1.14	10.417	3.27	16.457	1.28	22.48	0.85	5.459	1.14	11.483	6.32	17.517	1.28	23.55	0.85
4.409	1.14	10.433	3.27	16.467	1.28	22.58	0.85	5.467	1.14	11.500	6.32	17.533	1.28	23.57	0.85
4.434	1.14	10.449	3.27	16.477	1.28	22.63	0.85	5.475	1.14	11.516	6.32	17.549	1.28	23.59	0.85
4.459	1.14	10.465	3.27	16.487	1.28	22.68	0.85	5.483	1.14	11.532	6.32	17.565	1.28	23.61	0.85
4.484	1.14	10.481	3.27	16.497	1.28	22.73	0.85	5.491	1.14	11.548	6.32	17.581	1.28	23.63	0.85
4.509	1.14	10.497	3.27	16.507	1.28	22.78	0.85	5.499	1.14	11.564	6.32	17.597	1.28	23.65	0.85
4.534	1.14	10.513	3.27	16.517	1.28	22.83	0.85	5.507	1.14	11.580	6.32	17.613	1.28	23.67	0.85
4.559	1.14	10.529	3.27	16.527	1.28	22.88	0.85	5.515	1.14	11.596	6.32	17.629	1.28	23.69	0.85
4.584	1.14	10.545	3.27	16.537	1.28	22.93	0.85	5.523	1.14	11.612	6.32	17.645	1.28	23.71	0.85
4.609	1.14	10.561	3.27	16.547	1.28	22.98	0.85	5.531	1.14	11.628	6.32	17.661	1.28	23.73	0.85
4.634	1.14	10.577	3.27	16.557	1.28	23.03	0.85	5.539	1.14	11.644	6.32	17.677	1.28	23.75	0.85
4.659	1.14	10.593	3.27	16.567	1.28	23.08	0.85	5.547	1.14	11.660	6.32	17.693	1.28	23.77	0.85
4.684	1.14	10.609	3.27	16.577	1.28	23.13	0.85	5.555	1.14	11.676	6.32	17.709	1.28	23.79	0.85
4.709	1.14	10.625	3.27	16.587	1.28	23.18	0.85	5.563	1.14	11.692	6.32	17.725	1.28	23.81	0.85
4.734	1.14	10.641	3.27	16.597	1.28	23.23	0.85	5.571	1.14	11.708	6.32	17.741	1.28	23.83	0.85
4.759	1.14	10.657	3.27	16.607	1.28	23.28	0.85	5.579	1.14	11.724	6.32	17.757	1.28	23.85	0.85
4.784	1.14	10.673	3.27	16.617	1.28	23.33	0.85	5.587	1.14	11.740	6.32	17.773	1.28	23.87	0.85
4.809	1.14	10.689	3.27	16.627	1.28	23.38	0.85	5.595	1.14	11.756	6.32	17.789	1.28	23.89	0.85
4.834	1.14	10.705	3.27	16.637	1.28	23.43	0.85	5.603	1.14	11.772	6.32	17.805	1.28	23.91	0.85
4.859	1.14	10.721	3.27	16.647	1.28	23.48	0.85	5.611	1.14	11.788	6.32	17.821	1.28	23.93	0.85
4.884	1.14	10.737	3.27	16.657	1.28	23.53	0.85	5.619	1.14	11.804	6.32	17.837	1.28	23.95	0.85
4.909	1.14	10.753	3.27	16.667	1.28	23.58	0.85	5.627	1.14	11.820	6.32	17.853	1.28	23.97	0.85
4.934	1.14	10.769	3.27	16.677	1.28	23.63	0.85	5.635	1.14	11.836	6.32	17.869	1.28	23.99	0.85
4.959	1.14	10.785	3.27	16.687	1.28	23.68	0.85	5.643	1.14	11.852	6.32	17.885	1.28	24.01	0.85
4.984	1.14	10.801	3.27	16.697	1.28	23.73	0.85	5.651	1.14	11.868	6.32	17.901	1.28	24.03	0.85
5.009	1.14	10.817	3.27	16.707	1.28	23.78	0.85	5.659	1.14	11.884	6.32	17.917	1.28	24.05	0.85
5.034	1.14	10.833	3.27	16.717	1.28	23.83	0.85	5.667	1.14	11.900	6.32	17.933	1.28	24.07	0.85
5.059	1.14	10.849	3.27	16.727	1.28	23.88	0.85	5.675	1.14	11.916	6.32	17.949	1.28	24.09	0.85
5.084	1.14	10.865	3.27	16.737	1.28	23.93	0.85	5.683	1.14	11.932	6.32	17.965	1.28	24.11	0.85
5.109	1.14	10.881	3.27	16.747	1.28	23.98	0.85	5.691	1.14	11.948	6.32	17.981	1.28	24.13	0.85
5.134	1.14	10.897	3.27	16.757	1.28	24.03	0.85	5.699	1.14	11.964	6.32	17.997	1.28	24.15	0.85
5.159	1.14	10.913	3.27	16.767	1.28	24.08	0.85	5.707	1.14	11.980	6.32	18.013	1.28	24.17	0.85
5.184	1.14	10.929	3.27	16.777	1.28	24.13	0.85	5.715	1.14	11.996	6.32	18.029	1.28	24.19	0.85
5.209	1.14	10.945	3.27	16.787	1.28	24.18	0.85	5.723	1.14	12.012	6.32	18.045	1.28	24.21	0.85
5.234	1.14	10.961	3.27	16.797	1.28	24.23	0.85	5.731	1.14	12.028	6.32	18.061	1.28	24.23	0.85
5.259	1.14	10.977	3.27	16.807	1.28	24.28	0.85	5.739	1.14	12.044	6.32	18.077	1.28	24.25	0.85
5.284	1.14	10.993	3.27	16.817	1.28	24.33	0.85	5.747	1.14	12.060	6.32	18.093	1.28	24.27	0.85
5.309	1.14	11.009	3.27	16.827	1.28	24.38	0.85	5.755	1.14	12.076	6.32	18.109	1.28	24.29	0.85
5.334	1.14	11.025	3.27	16.837	1.28	24.43	0.85	5.763	1.14	12.092	6.32	18.125	1.28	24.31	0.85
5.359	1.14	11.041	3.27	16.847	1.28	24.48	0.85	5.771	1.14	12.108	6.32	18.141	1.28	24.33	0.85
5.384	1.14	11.057	3.27	16.857	1.28	24.53	0.85	5.779	1.14	12.124	6.32	18.157	1.28	24.35	0.85
5.409	1.14	11.073	3.27	16.867	1.28	24.58	0.85	5.787	1.14	12.140	6.32	18.173	1.28	24.37	0.85
5.434	1.14	11.089	3.27	16.877	1.28	24.63	0.85	5.795	1.14	12.156	6.32	18.189	1.28	24.39	0.85
5.459	1.14	11.105	3.27	16.887	1.28	24.68	0.85	5.803	1.14	12.172	6.32	18.205	1.28	24.41	0.85
5.484	1.14	11.121	3.27	16.897	1.28	24.73	0.85	5.811	1.14	12.188	6.32	18.221	1.28	24.43	0.85
5.509	1.14	11.137	3.27	16.907	1.28	24.78	0.85	5.819	1.14	12.204	6.32	18.237	1.28	24.45	0.85
5.534	1.14	11.153	3.27	16.917	1.28	24.83	0.85	5.827	1.14	12.220	6.32	18.253	1.28	24.47	0.85
5.559	1.14	11.169	3.27	16.927	1.28	24.88	0.85	5.835	1.14	12.236	6.32	18.269	1.28	24.49	0.85
5.584	1.14	11.185	3.27	16.937	1.28	24.93	0.85	5.843	1.14	12.252	6.32	18.285	1.28	24.51	0.85
5.609	1.14	11.201	3.27	16.947	1.28	24.98	0.85	5.851	1.14	12.268	6.32	18.301	1.28	24.53	0.85
5.634	1.14	11.217	3.27	16.957	1.28	25.03	0.85	5.859	1.14	12.284	6.32	18.317	1.28	24.55	0.85
5.659	1.14	11.233	3.27	16.967	1.28	25.08	0.85	5.867	1.14	12.300	6.32	18.333	1.28	24.57	0.85
5.684	1.14	11.249	3.27	16.977	1.28	25.13	0.85	5.875	1.14	12.316	6.32	18.349	1.28	24.59	0.85
5.709	1.14	11.265	3.27	16.987	1.28	25.18	0.85	5.883	1.14	12.332	6.32	18.365	1.28	24.61	0.85
5.734	1.14	11.281	3.27	16.997	1.28	25.23	0.85	5.891	1.14	12.348	6.32	18.381	1.28	24.63	0.85
5.759	1.14	11.297	3.27	17.007	1.28	25.28	0.85	5.899	1.14	12.364	6.32	18.397	1.28	24.65	0.85
5.784	1.14	11.313	3.27	17.017	1.28	25.33	0.85	5.907	1.14	12.380	6.32	18.413	1.28	24.67	0.85
5.809	1.14	11.329	3.27	17.027	1.28	25.38	0.85	5.915	1.14	12.396	6.32	18.429	1.28	24.69	0.85
5.834	1.14	11.345	3.27	17.037	1.28	25.43	0.85	5.923	1.14	12.412	6.32	18.445	1.28	24.71	0.85
5.859	1.14	11.361	3.27	17.047	1.28	25.48	0.85	5.931	1.14	12.428	6.32	18.461	1.28	24.73	0.85
5.884	1.14	11.377	3.27	17.057	1.28	25.53	0.85	5.939	1.14	12.444	6.32	18.477	1.28	24.75	0.85
5.909	1.14	11.393	3.27	17.067	1.28	25.58	0.85	5.947	1.14	12.460	6.32	18.493	1.28	24.77	0.85
5.934	1.14	11.409	3.27	17.077	1.28	25.63	0.85	5.955	1.14	12.476	6.32	18.509	1.28	24.79	0.85
5.959	1.14	11.425	3.27	17.087	1.28	25.68	0.85	5.963	1.14	12.492	6.32	18.525	1.28	24.81	0.85
5.984	1.14	11.441	3.27	17.097	1.28	25.73	0.85	5.971	1.14	12.508	6.32	18.541	1.28	24.83	0.85
6.009	1.14	11.457	3.27	17.107	1.28	25.78	0.85	5.979	1.14	12.524	6.32	18.557	1.28	24.85	0.85
6.034	1.14	11.473	3.27	17.117	1.28	25.83	0.85	5.987	1.14	12.540	6.32	18.573	1.28	24.87	0.85
6.059	1.14	11.489	3.27	17.127	1.28	25.88	0.85	5.995	1.14	12.556	6.32	18.589	1.28	24.89	0.85
6.084	1.14	11.505	3.27	17.137	1.28	25.93	0.85	5.999	1.14	12.568	6.32	18.599	1.28	24.91	0.85
6.109	1.14	11.521	3.27	17.147	1.28	25.98	0.85	6.003	1.14	12.576	6.32	18.603	1.28	24.93	0.85
6.134	1.14	11.537	3.27	17.157	1.28	26.03	0.85	6.007	1.14	12.584	6.32	18.607	1.28	24.95	0.85
6.159	1.14	11.553	3.27	17.167	1.28	26.08	0.85	6.011	1.14	12.592	6.32	18.611	1.28	24.97	0.85
6.184	1.14	11.569	3.27	17.177	1.28	26.13	0.85	6.015	1.14	12.600	6.32	18.615	1.28	24.99	0.85
6.209	1.14	11.585	3.27	17.187	1.28	26.18	0.85	6.019	1.14	12.608	6.32	18.619	1.28	25.01	0.85
6.234	1.14	11.601	3.27	17.197	1.28	26.23	0.85	6.023	1.14	12.616	6.32	18.623	1.28	25.03	0.85
6.259	1.14	11.617	3.27	17.207	1.28	26.28	0.85	6.027	1.14	12.624	6.32	18.627	1.28	25.05	0.85
6.284	1.14	11.633	3.27	17.217	1.28	26.33	0.85	6.031	1.14	12.632	6.32				

TOTAL RAINFALL (mm) = 71.649
RUNOFF COEFFICIENT = 0.441
(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	Area (0.03)	Area (sq mi)	Curve Number (CN) = 79.0	# of Linear Res. (N) = 5.00
DATE	U.H.	TP (hrs)	U.H.	TP (hrs)
10/15/14	0.03	0.03	0.03	0.03
10/16/14	0.03	0.03	0.03	0.03
10/17/14	0.03	0.03	0.03	0.03
10/18/14	0.03	0.03	0.03	0.03
10/19/14	0.03	0.03	0.03	0.03
10/20/14	0.03	0.03	0.03	0.03
10/21/14	0.03	0.03	0.03	0.03
10/22/14	0.03	0.03	0.03	0.03
10/23/14	0.03	0.03	0.03	0.03
10/24/14	0.03	0.03	0.03	0.03
10/25/14	0.03	0.03	0.03	0.03
10/26/14	0.03	0.03	0.03	0.03
10/27/14	0.03	0.03	0.03	0.03
10/28/14	0.03	0.03	0.03	0.03
10/29/14	0.03	0.03	0.03	0.03
10/30/14	0.03	0.03	0.03	0.03
10/31/14	0.03	0.03	0.03	0.03
11/01/14	0.03	0.03	0.03	0.03
11/02/14	0.03	0.03	0.03	0.03
11/03/14	0.03	0.03	0.03	0.03
11/04/14	0.03	0.03	0.03	0.03
11/05/14	0.03	0.03	0.03	0.03
11/06/14	0.03	0.03	0.03	0.03
11/07/14	0.03	0.03	0.03	0.03
11/08/14	0.03	0.03	0.03	0.03
11/09/14	0.03	0.03	0.03	0.03
11/10/14	0.03	0.03	0.03	0.03
11/11/14	0.03	0.03	0.03	0.03
11/12/14	0.03	0.03	0.03	0.03
11/13/14	0.03	0.03	0.03	0.03
11/14/14	0.03	0.03	0.03	0.03
11/15/14	0.03	0.03	0.03	0.03
11/16/14	0.03	0.03	0.03	0.03
11/17/14	0.03	0.03	0.03	0.03
11/18/14	0.03	0.03	0.03	0.03
11/19/14	0.03	0.03	0.03	0.03
11/20/14	0.03	0.03	0.03	0.03
11/21/14	0.03	0.03	0.03	0.03
11/22/14	0.03	0.03	0.03	0.03
11/23/14	0.03	0.03	0.03	0.03
11/24/14	0.03	0.03	0.03	0.03
11/25/14	0.03	0.03	0.03	0.03
11/26/14	0.03	0.03	0.03	0.03
11/27/14	0.03	0.03	0.03	0.03
11/28/14	0.03	0.03	0.03	0.03
11/29/14	0.03	0.03	0.03	0.03
11/30/14	0.03	0.03	0.03	0.03
12/01/14	0.03	0.03	0.03	0.03
12/02/14	0.03	0.03	0.03	0.03
12/03/14	0.03	0.03	0.03	0.03
12/04/14	0.03	0.03	0.03	0.03
12/05/14	0.03	0.03	0.03	0.03
12/06/14	0.03	0.03	0.03	0.03
12/07/14	0.03	0.03	0.03	0.03
12/08/14	0.03	0.03	0.03	0.03
12/09/14	0.03	0.03	0.03	0.03
12/10/14	0.03	0.03	0.03	0.03
12/11/14	0.03	0.03	0.03	0.03
12/12/14	0.03	0.03	0.03	0.03
12/13/14	0.03	0.03	0.03	0.03
12/14/14	0.03	0.03	0.03	0.03
12/15/14	0.03	0.03	0.03	0.03
12/16/14	0.03	0.03	0.03	0.03
12/17/14	0.03	0.03	0.03	0.03
12/18/14	0.03	0.03	0.03	0.03
12/19/14	0.03	0.03	0.03	0.03
12/20/14	0.03	0.03	0.03	0.03
12/21/14	0.03	0.03	0.03	0.03
12/22/14	0.03	0.03	0.03	0.03
12/23/14	0.03	0.03	0.03	0.03
12/24/14	0.03	0.03	0.03	0.03
12/25/14	0.03	0.03	0.03	0.03
12/26/14	0.03	0.03	0.03	0.03
12/27/14	0.03	0.03	0.03	0.03
12/28/14	0.03	0.03	0.03	0.03
12/29/14	0.03	0.03	0.03	0.03
12/30/14	0.03	0.03	0.03	0.03
12/31/14	0.03	0.03	0.03	0.03

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

Unit Hyd Qpeak (cms) = 0.052
PEAK FLOW (cms) = 0.017 (1)
TIME TO PEAK (hrs) = 12.100
RUNOFF VOLUME (mm) = 31.339

65

1.567	0.78	7.600	1.56	13.633	2.98	19.67	1.28	22.23	0.85
1.600	0.78	7.633	1.56	13.667	2.98	19.76	1.28	22.27	0.85
1.633	0.78	7.667	1.56	13.700	2.98	19.85	1.28	22.31	0.85
1.667	0.78	7.700	1.56	13.733	2.98	19.94	1.28	22.35	0.85
1.700	0.78	7.733	1.56	13.767	2.98	20.03	1.28	22.39	0.85
1.733	0.78	7.767	1.56	13.800	2.98	20.12	1.28	22.43	0.85
1.767	0.78	7.800	1.56	13.833	2.98	20.21	1.28	22.47	0.85
1.800	0.78	7.833	1.56	13.867	2.98	20.30	1.28	22.51	0.85
1.833	0.78	7.867	1.56	13.900	2.98	20.39	1.28	22.55	0.85
1.867	0.78	7.900	1.56	13.933	2.98	20.48	1.28	22.59	0.85
1.900	0.78	7.933	1.56	13.967	2.98	20.57	1.28	22.63	0.85
1.933	0.78	7.967	1.56	14.000	2.98	20.66	1.28	22.67	0.85
1.967	0.78	8.000	1.56	14.033	2.98	20.75	1.28	22.71	0.85
2.000	0.78	8.033	1.56	14.067	2.98	20.84	1.28	22.75	0.85
2.033	0.78	8.067	1.56	14.100	2.98	20.93	1.28	22.79	0.85
2.067	0.78	8.100	1.56	14.133	2.98	21.02	1.28	22.83	0.85
2.100	0.85	8.133	1.85	14.167	2.13	21.11	1.28	22.87	0.85
2.133	0.85	8.167	1.85	14.200	2.13	21.20	1.28	22.91	0.85
2.167	0.85	8.200	1.85	14.233	2.13	21.29	1.28	22.95	0.85
2.200	0.85	8.233	1.85	14.267	2.13	21.38	1.28	22.99	0.85
2.233	0.85	8.267	1.85	14.300	2.13	21.47	1.28	23.03	0.85
2.267	0.85	8.300	1.85	14.333	2.13	21.56	1.28	23.07	0.85
2.300	0.85	8.333	1.85	14.367	2.13	21.65	1.28	23.11	0.85
2.333	0.85	8.367	1.85	14.400	2.13	21.74	1.28	23.15	0.85
2.367	0.85	8.400	1.85	14.433	2.13	21.83	1.28	23.19	0.85
2.400	0.85	8.433	1.85	14.467	2.13	21.92	1.28	23.23	0.85
2.433	0.85	8.467	1.85	14.500	2.13	22.01	1.28	23.27	0.85
2.467	0.85	8.500	1.85	14.533	2.13	22.10	1.28	23.31	0.85
2.500	0.85	8.533	1.85	14.567	2.13	22.19	1.28	23.35	0.85
2.533	0.85	8.567	1.85	14.600	2.13	22.28	1.28	23.39	0.85
2.567	0.85	8.600	1.85	14.633	2.13	22.37	1.28	23.43	0.85
2.600	0.85	8.633	1.85	14.667	2.13	22.46	1.28	23.47	0.85
2.633	0.85	8.667	1.85	14.700	2.13	22.55	1.28	23.51	0.85
2.667	0.85	8.700	1.85	14.733	2.13	22.64	1.28	23.55	0.85
2.700	0.85	8.733	1.85	14.767	2.13	22.73	1.28	23.59	0.85
2.733	0.85	8.767	1.85	14.800	2.13	22.82	1.28	23.63	0.85
2.767	0.85	8.800	1.85	14.833	2.13	22.91	1.28	23.67	0.85
2.800	0.85	8.833	1.85	14.867	2.13	23.00	1.28	23.71	0.85
2.833	0.85	8.867	1.85	14.900	2.13	23.09	1.28	23.75	0.85
2.867	0.85	8.900	1.85	14.933	2.13	23.18	1.28	23.79	0.85
2.900	0.85	8.933	1.85	14.967	2.13	23.27	1.28	23.83	0.85
2.933	0.85	8.967	1.85	15.000	2.13	23.36	1.28	23.87	0.85
2.967	0.85	9.000	1.85	15.033	2.13	23.45	1.28	23.91	0.85
3.000	0.85	9.033	1.85	15.067	2.13	23.54	1.28	23.95	0.85
3.033	0.85	9.067	1.85	15.100	2.13	23.63	1.28	23.99	0.85
3.067	0.85	9.100	1.85	15.133	2.13	23.72	1.28	24.03	0.85
3.100	0.85	9.133	1.85	15.167	2.13	23.81	1.28	24.07	0.85
3.133	0.85	9.167	1.85	15.200	2.13	23.90	1.28	24.11	0.85
3.167	0.85	9.200	1.85	15.233	2.13	23.99	1.28	24.15	0.85
3.200	0.85	9.233	1.85	15.267	2.13	24.08	1.28	24.19	0.85
3.233	0.85	9.267	1.85	15.300	2.13	24.17	1.28	24.23	0.85
3.267	0.85	9.300	1.85	15.333	2.13	24.26	1.28	24.27	0.85
3.300	0.85	9.333	1.85	15.367	2.13	24.35	1.28	24.31	0.85
3.333	0.85	9.367	1.85	15.400	2.13	24.44	1.28	24.35	0.85
3.367	0.85	9.400	1.85	15.433	2.13	24.53	1.28	24.39	0.85
3.400	0.85	9.433	1.85	15.467	2.13	24.62	1.28	24.43	0.85
3.433	0.85	9.467	1.85	15.500	2.13	24.71	1.28	24.47	0.85
3.467	0.85	9.500	1.85	15.533	2.13	24.80	1.28	24.51	0.85
3.500	0.85	9.533	1.85	15.567	2.13	24.89	1.28	24.55	0.85
3.533	0.85	9.567	1.85	15.600	2.13	24.98	1.28	24.59	0.85
3.567	0.85	9.600	1.85	15.633	2.13	25.07	1.28	24.63	0.85
3.600	0.85	9.633	1.85	15.667	2.13	25.16	1.28	24.67	0.85
3.633	0.85	9.667	1.85	15.700	2.13	25.25	1.28	24.71	0.85
3.667	0.85	9.700	1.85	15.733	2.13	25.34	1.28	24.75	0.85
3.700	0.85	9.733	1.85	15.767	2.13	25.43	1.28	24.79	0.85
3.733	0.85	9.767	1.85	15.800	2.13	25.52	1.28	24.83	0.85
3.767	0.85	9.800	1.85	15.833	2.13	25.61	1.28	24.87	0.85
3.800	0.85	9.833	1.85	15.867	2.13	25.70	1.28	24.91	0.85
3.833	0.85	9.867	1.85	15.900	2.13	25.79	1.28	24.95	0.85
3.867	0.85	9.900	1.85	15.933	2.13	25.88	1.28	24.99	0.85
3.900	0.85	9.933	1.85	15.967	2.13	25.97	1.28	25.03	0.85
3.933	0.85	9.967	1.85	16.000	2.13	26.06	1.28	25.07	0.85
3.967	0.85	10.000	1.85	16.033	2.13	26.15	1.28	25.11	0.85
4.000	0.85	10.033	1.85	16.067	2.13	26.24	1.28	25.15	0.85
4.033	0.85	10.067	1.85	16.100	2.13	26.33	1.28	25.19	0.85
4.067	0.85	10.100	1.85	16.133	2.13	26.42	1.28	25.23	0.85
4.100	0.85	10.133	1.85	16.167	2.13	26.51	1.28	25.27	0.85
4.133	0.85	10.167	1.85	16.200	2.13	26.60	1.28	25.31	0.85
4.167	0.85	10.200	1.85	16.233	2.13	26.69	1.28	25.35	0.85
4.200	0.85	10.233	1.85	16.267	2.13	26.78	1.28	25.39	0.85
4.233	0.85	10.267	1.85	16.300	2.13	26.87	1.28	25.43	0.85
4.267	0.85	10.300	1.85	16.333	2.13	26.96	1.28	25.47	0.85
4.300	0.85	10.333	1.85	16.367	2.13	27.05	1.28	25.51	0.85
4.333	0.85	10.367	1.85	16.400	2.13	27.14	1.28	25.55	0.85
4.367	0.85	10.400	1.85	16.433	2.13	27.23	1.28	25.59	0.85
4.400	0.85	10.433	1.85	16.467	2.13	27.32	1.28	25.63	0.85
4.433	0.85	10.467	1.85	16.500	2.13	27.41	1.28	25.67	0.85
4.467	0.85	10.500	1.85	16.533	2.13	27.50	1.28	25.71	0.85
4.500	0.85	10.533	1.85	16.567	2.13	27.59	1.28	25.75	0.85
4.533	0.85	10.567	1.85	16.600	2.13	27.68	1.28	25.79	0.85
4.567	0.85	10.600	1.85	16.633	2.13	27.77	1.28	25.83	0.85
4.600	0.85	10.633	1.85	16.667	2.13	27.86	1.28	25.87	0.85
4.633	0.85	10.667	1.85	16.700	2.13	27.95	1.28	25.91	0.85
4.667	0.85	10.700	1.85	16.733	2.13	28.04	1.28	25.95	0.85
4.700	0.85	10.733	1.85	16.767	2.13	28.13	1.28	25.99	0.85
4.733	0.85	10.767	1.85	16.800	2.13	28.22	1.28	26.03	0.85
4.767	0.85	10.800	1.85	16.833	2.13	28.31	1.28	26.07	0.85
4.800	0.85	10.833	1.85	16.867	2.13	28.40	1.28	26.11	0.85
4.833	0.85	10.867	1.85	16.900	2.13	28.49	1.28	26.15	0.85
4.867	0.85	10.900	1.85	16.933	2.13	28.58	1.28	26.19	0.85
4.900	0.85	10.933	1.85	16.967	2.13	28.67	1.28	26.23	0.85
4.933	0.85	10.967	1.85	17.000	2.13	28.76	1.28	26.27	0.85
4.967	0.85	11.000	1.85	17.033	2.13	28.85	1.28	26.31	0.85
5.000	0.85	11.033	1.85	17.067	2.13	28.94	1.28	26.35	0.85
5.033	0.85	11.067	1.85	17.100	2.13	29.03	1.28	26.39	0.85
5.067	0.85	11.100	1.85	17.133	2.13	29.12	1.28	26.43	0.85
5.100	0.85	11.133	1.85	17.167	2.13	29.21	1.28	26.47	0.85
5.133	0.85	11.167	1.85	17.200	2.13	29.30	1.28	26.51	0.85
5.167	0.85	11.200	1.85	17.233	2.13	29.39	1.28	26.55	0.85
5.200	0.85	11.233	1.85	17.267	2.13	29.48	1.28	26.59	0.85
5.233	0.85	11.267	1.85	17.300	2.13	29.57	1.28	26.63	0.85
5.267	0.85	11.300	1.85	17.333	2.13	29.66	1.28	26.67	0.85
5.300	0.85	11.333	1.85	17.367	2.13	29.75	1.28	26.71	0.85
5.333	0.85	11.367	1.85	17.400	2.13	29.84	1.28	26.75	0.85
5.367	0.85	11.400	1.85	17.433	2.13	29.93	1.28	26.79	0.85
5.400	0.85	11.433	1.85	17.467	2.13	30.02	1.28	26.83	0.85
5.433	0.85	11.467	1.85	17.500	2.13	30.11	1.28	26.87	0.85
5.467	0.85	11.500	1.85	17.533	2.13	30.20	1.28	26.91	0.85
5.500	0.85	11.533	1.85	17.567	2.13	30.29	1.28	26.95	0.85
5.533	0.85	11.567	1.85	17.600	2.13	30.38	1.28	26.99	0.85
5.567	0.85	11.600	1.85	17.633	2.13	30.47	1.28	27.03	0.85
5.600	0.85	11.633	1.85	17.667	2.13	30.56	1.28	27.07	0.85
5.633	0.85	11.667	1.85	17.700	2.13	30.65	1.28	27.11	0.85
5.667	0.85	11.700							

0.700	0.78	6.733	1.28	12.767	5.26	18.80	1.28	0.85
0.703	0.78	6.767	1.28	12.800	5.26	18.83	1.28	0.85
0.706	0.78	6.800	1.28	12.833	5.26	18.86	1.28	0.85
0.709	0.78	6.833	1.28	12.867	5.26	18.90	1.28	0.85
0.712	0.78	6.867	1.28	12.900	5.26	18.93	1.28	0.85
0.715	0.78	6.900	1.28	12.933	5.26	18.96	1.28	0.85
0.718	0.78	6.933	1.28	12.967	5.26	19.00	1.28	0.85
0.721	0.78	6.967	1.28	13.000	5.26	19.03	1.28	0.85
0.724	0.78	7.000	1.28	13.033	5.26	19.06	1.28	0.85
0.727	0.78	7.033	1.28	13.067	5.26	19.10	1.28	0.85
0.730	0.78	7.067	1.28	13.100	5.26	19.13	1.28	0.85
0.733	0.78	7.100	1.28	13.133	5.26	19.17	1.28	0.85
0.736	0.78	7.133	1.28	13.167	5.26	19.20	1.28	0.85
0.739	0.78	7.167	1.28	13.200	5.26	19.23	1.28	0.85
0.742	0.78	7.200	1.28	13.233	5.26	19.27	1.28	0.85
0.745	0.78	7.233	1.28	13.267	5.26	19.30	1.28	0.85
0.748	0.78	7.267	1.28	13.300	5.26	19.33	1.28	0.85
0.751	0.78	7.300	1.28	13.333	5.26	19.37	1.28	0.85
0.754	0.78	7.333	1.28	13.367	5.26	19.40	1.28	0.85
0.757	0.78	7.367	1.28	13.400	5.26	19.43	1.28	0.85
0.760	0.78	7.400	1.28	13.433	5.26	19.47	1.28	0.85
0.763	0.78	7.433	1.28	13.467	5.26	19.50	1.28	0.85
0.766	0.78	7.467	1.28	13.500	5.26	19.53	1.28	0.85
0.769	0.78	7.500	1.28	13.533	5.26	19.57	1.28	0.85
0.772	0.78	7.533	1.28	13.567	5.26	19.60	1.28	0.85
0.775	0.78	7.567	1.28	13.600	5.26	19.63	1.28	0.85
0.778	0.78	7.600	1.28	13.633	5.26	19.67	1.28	0.85
0.781	0.78	7.633	1.28	13.667	5.26	19.70	1.28	0.85
0.784	0.78	7.667	1.28	13.700	5.26	19.73	1.28	0.85
0.787	0.78	7.700	1.28	13.733	5.26	19.77	1.28	0.85
0.790	0.78	7.733	1.28	13.767	5.26	19.80	1.28	0.85
0.793	0.78	7.767	1.28	13.800	5.26	19.83	1.28	0.85
0.796	0.78	7.800	1.28	13.833	5.26	19.87	1.28	0.85
0.799	0.78	7.833	1.28	13.867	5.26	19.90	1.28	0.85
0.802	0.78	7.867	1.28	13.900	5.26	19.93	1.28	0.85
0.805	0.78	7.900	1.28	13.933	5.26	19.97	1.28	0.85
0.808	0.78	7.933	1.28	13.967	5.26	20.00	1.28	0.85
0.811	0.78	7.967	1.28	14.000	5.26	20.03	1.28	0.85
0.814	0.78	8.000	1.28	14.033	5.26	20.07	1.28	0.85
0.817	0.78	8.033	1.28	14.067	5.26	20.10	1.28	0.85
0.820	0.78	8.067	1.28	14.100	5.26	20.13	1.28	0.85
0.823	0.78	8.100	1.28	14.133	5.26	20.17	1.28	0.85
0.826	0.78	8.133	1.28	14.167	5.26	20.20	1.28	0.85
0.829	0.78	8.167	1.28	14.200	5.26	20.23	1.28	0.85
0.832	0.78	8.200	1.28	14.233	5.26	20.27	1.28	0.85
0.835	0.78	8.233	1.28	14.267	5.26	20.30	1.28	0.85
0.838	0.78	8.267	1.28	14.300	5.26	20.33	1.28	0.85
0.841	0.78	8.300	1.28	14.333	5.26	20.37	1.28	0.85
0.844	0.78	8.333	1.28	14.367	5.26	20.40	1.28	0.85
0.847	0.78	8.367	1.28	14.400	5.26	20.43	1.28	0.85
0.850	0.78	8.400	1.28	14.433	5.26	20.47	1.28	0.85
0.853	0.78	8.433	1.28	14.467	5.26	20.50	1.28	0.85
0.856	0.78	8.467	1.28	14.500	5.26	20.53	1.28	0.85
0.859	0.78	8.500	1.28	14.533	5.26	20.57	1.28	0.85
0.862	0.78	8.533	1.28	14.567	5.26	20.60	1.28	0.85
0.865	0.78	8.567	1.28	14.600	5.26	20.63	1.28	0.85
0.868	0.78	8.600	1.28	14.633	5.26	20.67	1.28	0.85
0.871	0.78	8.633	1.28	14.667	5.26	20.70	1.28	0.85
0.874	0.78	8.667	1.28	14.700	5.26	20.73	1.28	0.85
0.877	0.78	8.700	1.28	14.733	5.26	20.77	1.28	0.85
0.880	0.78	8.733	1.28	14.767	5.26	20.80	1.28	0.85
0.883	0.78	8.767	1.28	14.800	5.26	20.83	1.28	0.85
0.886	0.78	8.800	1.28	14.833	5.26	20.87	1.28	0.85
0.889	0.78	8.833	1.28	14.867	5.26	20.90	1.28	0.85

73

74

4.967	1.14	11.000	4.40	17.033	1.28	23.07	0.85
5.000	1.14	11.033	4.40	17.067	1.28	23.10	0.85
5.033	1.14	11.067	4.40	17.100	1.28	23.13	0.85
5.067	1.14	11.100	4.40	17.133	1.28	23.17	0.85
5.100	1.14	11.133	4.40	17.167	1.28	23.20	0.85
5.133	1.14	11.167	4.40	17.200	1.28	23.23	0.85
5.167	1.14	11.200	4.40	17.233	1.28	23.27	0.85
5.200	1.14	11.233	4.40	17.267	1.28	23.30	0.85
5.233	1.14	11.267	4.40	17.300	1.28	23.33	0.85
5.267	1.14	11.300	4.40	17.333	1.28	23.37	0.85
5.300	1.14	11.333	4.40	17.367	1.28	23.40	0.85
5.333	1.14	11.367	4.40	17.400	1.28	23.43	0.85
5.367	1.14	11.400	4.40	17.433	1.28	23.47	0.85
5.400	1.14	11.433	4.40	17.467	1.28	23.50	0.85
5.433	1.14	11.467	4.40	17.500	1.28	23.53	0.85
5.467	1.14	11.500	4.40	17.533	1.28	23.57	0.85
5.500	1.14	11.533	4.40	17.567	1.28	23.60	0.85
5.533	1.14	11.567	4.40	17.600	1.28	23.63	0.85
5.567	1.14	11.600	4.40	17.633	1.28	23.67	0.85
5.600	1.14	11.633	4.40	17.667	1.28	23.70	0.85
5.633	1.14	11.667	4.40	17.700	1.28	23.73	0.85
5.667	1.14	11.700	4.40	17.733	1.28	23.77	0.85
5.700	1.14	11.733	4.40	17.767	1.28	23.80	0.85
5.733	1.14	11.767	4.40	17.800	1.28	23.83	0.85
5.767	1.14	11.800	4.40	17.833	1.28	23.87	0.85
5.800	1.14	11.833	4.40	17.867	1.28	23.90	0.85
5.833	1.14	11.867	4.40	17.900	1.28	23.93	0.85
5.867	1.14	11.900	4.40	17.933	1.28	23.97	0.85
5.900	1.14	11.933	4.40	17.967	1.28	24.00	0.85
5.933	1.14	11.967	4.40	18.000	1.28	24.03	0.85
5.967	1.14	12.000	4.40	18.033	1.28	24.07	0.85
6.000	1.14	12.033	4.40	18.067	1.28	24.10	0.85

UNIT HYD QPEAK (cms)= 0.206

PEAK FLOW (cms)= 0.123 (1)

TOTAL RAINFALL (mm)= 31.35

RMPFF COEFFICIENT= 0.441

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0099)	AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3	(ha)	(cms)	(hrs)	30
102- 2 (0103)	1.47	6.123	12.17	31.35
ID = 3 (0099)	4.02	0.354	12.20	31.36

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

CALIB	Area	(ha)= 14.73	Curve Number (CN)= 70.0
ID= 0- 2 (0102)	U.H. Td(hrs)= 0.33	# of Linear Res. (N)= 3.00	

NOTE: RAINFALL WAS TRANSFERRED TO 2.0 MIN. TIME STEP.

75

4.967	1.14	11.000	4.40	17.033	1.28	23.07	0.85
5.000	1.14	11.033	4.40	17.067	1.28	23.10	0.85
5.033	1.14	11.067	4.40	17.100	1.28	23.13	0.85
5.067	1.14	11.100	4.40	17.133	1.28	23.17	0.85
5.100	1.14	11.133	4.40	17.167	1.28	23.20	0.85
5.133	1.14	11.167	4.40	17.200	1.28	23.23	0.85
5.167	1.14	11.200	4.40	17.233	1.28	23.27	0.85
5.200	1.14	11.233	4.40	17.267	1.28	23.30	0.85
5.233	1.14	11.267	4.40	17.300	1.28	23.33	0.85
5.267	1.14	11.300	4.40	17.333	1.28	23.37	0.85
5.300	1.14	11.333	4.40	17.367	1.28	23.40	0.85
5.333	1.14	11.367	4.40	17.400	1.28	23.43	0.85
5.367	1.14	11.400	4.40	17.433	1.28	23.47	0.85
5.400	1.14	11.433	4.40	17.467	1.28	23.50	0.85
5.433	1.14	11.467	4.40	17.500	1.28	23.53	0.85
5.467	1.14	11.500	4.40	17.533	1.28	23.57	0.85
5.500	1.14	11.533	4.40	17.567	1.28	23.60	0.85
5.533	1.14	11.567	4.40	17.600	1.28	23.63	0.85
5.567	1.14	11.600	4.40	17.633	1.28	23.67	0.85
5.600	1.14	11.633	4.40	17.667	1.28	23.70	0.85
5.633	1.14	11.667	4.40	17.700	1.28	23.73	0.85
5.667	1.14	11.700	4.40	17.733	1.28	23.77	0.85
5.700	1.14	11.733	4.40	17.767	1.28	23.80	0.85
5.733	1.14	11.767	4.40	17.800	1.28	23.83	0.85
5.767	1.14	11.800	4.40	17.833	1.28	23.87	0.85
5.800	1.14	11.833	4.40	17.867	1.28	23.90	0.85
5.833	1.14	11.867	4.40	17.900	1.28	23.93	0.85
5.867	1.14	11.900	4.40	17.933	1.28	23.97	0.85
5.900	1.14	11.933	4.40	17.967	1.28	24.00	0.85
5.933	1.14	11.967	4.40	18.000	1.28	24.03	0.85
5.967	1.14	12.000	4.40	18.033	1.28	24.07	0.85
6.000	1.14	12.033	4.40	18.067	1.28	24.10	0.85

76

77

2.000	0.78	8.033	1.56	14.067	2.98	20.10	1.07
2.033	0.78	8.067	1.56	14.100	2.96	20.13	0.85
2.066	0.85	8.133	1.85	14.167	2.96	20.16	0.85
2.100	0.85	8.167	1.85	14.200	2.96	20.20	0.85
2.133	0.85	8.200	1.85	14.233	2.96	20.23	0.85
2.166	0.92	8.266	1.85	14.266	2.96	20.26	0.85
2.200	0.92	8.300	1.85	14.300	2.96	20.30	0.85
2.233	0.92	8.333	1.85	14.333	2.96	20.33	0.85
2.266	0.92	8.366	1.85	14.366	2.96	20.36	0.85
2.300	0.92	8.400	1.85	14.400	2.96	20.40	0.85
2.333	0.92	8.433	1.85	14.433	2.96	20.43	0.85
2.366	0.92	8.466	1.85	14.466	2.96	20.46	0.85
2.400	0.92	8.500	1.85	14.500	2.96	20.50	0.85
2.433	0.92	8.533	1.85	14.533	2.96	20.53	0.85
2.466	0.92	8.566	1.85	14.566	2.96	20.56	0.85
2.500	0.92	8.600	1.85	14.600	2.96	20.60	0.85
2.533	0.92	8.633	1.85	14.633	2.96	20.63	0.85
2.566	0.92	8.666	1.85	14.666	2.96	20.66	0.85
2.600	0.92	8.700	1.85	14.700	2.96	20.70	0.85
2.633	0.92	8.733	1.85	14.733	2.96	20.73	0.85
2.666	0.92	8.766	1.85	14.766	2.96	20.76	0.85
2.700	0.92	8.800	1.85	14.800	2.96	20.80	0.85
2.733	0.92	8.833	1.85	14.833	2.96	20.83	0.85
2.766	0.92	8.866	1.85	14.866	2.96	20.86	0.85
2.800	0.92	8.900	1.85	14.900	2.96	20.90	0.85
2.833	0.92	8.933	1.85	14.933	2.96	20.93	0.85
2.866	0.92	8.966	1.85	14.966	2.96	20.96	0.85
2.900	0.92	9.000	1.85	15.000	2.96	21.00	0.85
2.933	0.92	9.033	1.85	15.033	2.96	21.03	0.85
2.966	0.92	9.066	1.85	15.066	2.96	21.06	0.85
3.000	0.92	9.100	1.85	15.100	2.96	21.10	0.85
3.033	0.92	9.133	1.85	15.133	2.96	21.13	0.85
3.066	0.92	9.166	1.85	15.166	2.96	21.16	0.85
3.100	0.92	9.200	1.85	15.200	2.96	21.20	0.85
3.133	0.92	9.233	1.85	15.233	2.96	21.23	0.85
3.166	0.92	9.266	1.85	15.266	2.96	21.26	0.85
3.200	0.92	9.300	1.85	15.300	2.96	21.30	0.85
3.233	0.92	9.333	1.85	15.333	2.96	21.33	0.85
3.266	0.92	9.366	1.85	15.366	2.96	21.36	0.85
3.300	0.92	9.400	1.85	15.400	2.96	21.40	0.85
3.333	0.92	9.433	1.85	15.433	2.96	21.43	0.85
3.366	0.92	9.466	1.85	15.466	2.96	21.46	0.85
3.400	0.92	9.500	1.85	15.500	2.96	21.50	0.85
3.433	0.92	9.533	1.85	15.533	2.96	21.53	0.85
3.466	0.92	9.566	1.85	15.566	2.96	21.56	0.85
3.500	0.92	9.600	1.85	15.600	2.96	21.60	0.85
3.533	0.92	9.633	1.85	15.633	2.96	21.63	0.85
3.566	0.92	9.666	1.85	15.666	2.96	21.66	0.85
3.600	0.92	9.700	1.85	15.700	2.96	21.70	0.85
3.633	0.92	9.733	1.85	15.733	2.96	21.73	0.85
3.666	0.92	9.766	1.85	15.766	2.96	21.76	0.85
3.700	0.92	9.800	1.85	15.800	2.96	21.80	0.85
3.733	0.92	9.833	1.85	15.833	2.96	21.83	0.85
3.766	0.92	9.866	1.85	15.866	2.96	21.86	0.85
3.800	0.92	9.900	1.85	15.900	2.96	21.90	0.85
3.833	0.92	9.933	1.85	15.933	2.96	21.93	0.85
3.866	0.92	9.966	1.85	15.966	2.96	21.96	0.85
3.900	0.92	10.000	1.85	16.000	2.96	22.00	0.85
3.933	0.92	10.033	1.85	16.033	2.96	22.03	0.85
3.966	0.92	10.066	1.85	16.066	2.96	22.06	0.85
4.000	0.92	10.100	1.85	16.100	2.96	22.10	0.85
4.033	0.92	10.133	1.85	16.133	2.96	22.13	0.85
4.066	0.92	10.166	1.85	16.166	2.96	22.16	0.85
4.100	1.03	13.135	3.27	16.135	1.28	22.18	0.85

77

TOTAL RAINFALL (mm) = 71.040
 RUNOFF COEFFICIENT = 0.441

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

```

ADD HYD = 0016
+ ID= 2 ( 0102) 14.73 0.845 12.30 31.36
ID = 3 ( 0016) 19.35 1.166 12.27 31.36
NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.
=====

```

V V I SSSSS U U A A L (v 6.2.2016)
 V V I SS U U AAAAA L
 V V I SSSSS UUUU A A LLLL

***** D E T A I L E D O U T P U T *****
 Input filename: C:\Program Files (x86)\Visual OTTHMMO 6.2\VO2\voln.dat
 Output filename:
 C:\Users\me\lick\AppData\Local\GLVica VHS\veifesa4-48f5-416c-bec2-debeb8d38cf635be1
 1ed-90c3-4068-b668-69093b543057Ascen
 C:\Users\me\lick\AppData\Local\GLVica VHS\veifesa4-48f5-416c-bec2-debeb8d38cf635be1
 1ed-90c3-4068-b668-69093b543057Ascen

DATE: 10/29/2024
 TIME: 04:15:11

USER:

COMMENTS: _____

 ** SIMULATION : 010 Year 3 Hour Chicago (St. ***

79

Filename: C:\Users\me\lick\AppData\Local\Temp\3a30ff6d-8844-4cbb-8aa1-190b87cd40ca\8097ea52
 Comments: 10 Year 3 Hour Chicago (St. Catharines)

Total= 43.00 mm											
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	0.00	0.85	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
0.08	4.48	0.92	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
0.17	4.75	1.00	12.17	1.83	12.01	2.67	16.33	3.27	16.33	4.04	18.26
0.33	5.30	1.17	20.06	2.00	9.23	2.83	16.33	3.27	16.33	4.04	18.26
0.42	5.66	1.25	31.95	2.09	9.32	2.92	16.33	3.27	16.33	4.04	18.26
0.59	6.60	1.42	56.42	2.25	6.99	3.66	16.33	3.27	16.33	4.04	18.26
0.67	7.21	1.50	38.31	2.33	6.50						
0.75	7.96	1.58	24.10	2.42	6.07						

CALIB (mm) = 0.32
 AREA (mm) = 0.32
 U.H. Tp(hrs) = 0.24
 Curve Number (CN) = 79.0
 # of Linear Reg.(N) = 3.00

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

----- TRANSFORMED METEOROLOG -----											
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.00	0.00	0.85	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
0.08	0.00	0.92	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
0.17	0.00	0.99	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
0.33	0.00	1.06	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
0.42	0.00	1.13	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
0.59	0.00	1.20	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
0.67	0.00	1.27	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
0.75	0.00	1.34	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
0.83	0.00	1.41	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
0.91	0.00	1.48	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
0.99	0.00	1.55	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
1.07	0.00	1.62	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
1.15	0.00	1.69	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
1.23	0.00	1.76	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
1.31	0.00	1.83	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
1.39	0.00	1.90	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
1.47	0.00	1.97	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
1.55	0.00	2.04	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
1.63	0.00	2.11	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
1.71	0.00	2.18	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
1.79	0.00	2.25	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
1.87	0.00	2.32	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
1.95	0.00	2.39	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
2.03	0.00	2.46	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
2.11	0.00	2.53	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
2.19	0.00	2.60	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
2.27	0.00	2.67	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
2.35	0.00	2.74	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
2.43	0.00	2.81	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
2.51	0.00	2.88	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
2.59	0.00	2.95	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
2.67	0.00	3.02	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
2.75	0.00	3.09	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
2.83	0.00	3.16	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
2.91	0.00	3.23	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
2.99	0.00	3.30	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
3.07	0.00	3.37	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
3.15	0.00	3.44	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
3.23	0.00	3.51	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
3.31	0.00	3.58	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
3.39	0.00	3.65	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
3.47	0.00	3.72	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
3.55	0.00	3.79	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
3.63	0.00	3.86	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
3.71	0.00	3.93	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
3.79	0.00	4.00	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
3.87	0.00	4.07	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
3.95	0.00	4.14	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
4.03	0.00	4.21	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
4.11	0.00	4.28	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
4.19	0.00	4.35	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
4.27	0.00	4.42	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
4.35	0.00	4.49	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
4.43	0.00	4.56	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
4.51	0.00	4.63	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
4.59	0.00	4.70	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
4.67	0.00	4.77	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
4.75	0.00	4.84	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
4.83	0.00	4.91	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
4.91	0.00	4.98	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
4.99	0.00	5.05	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
5.07	0.00	5.12	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
5.15	0.00	5.19	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
5.23	0.00	5.26	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
5.31	0.00	5.33	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
5.39	0.00	5.40	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
5.47	0.00	5.47	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
5.55	0.00	5.54	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
5.63	0.00	5.61	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
5.71	0.00	5.68	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
5.79	0.00	5.75	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
5.87	0.00	5.82	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
5.95	0.00	5.89	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
6.03	0.00	5.96	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
6.11	0.00	6.03	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
6.19	0.00	6.10	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
6.27	0.00	6.17	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
6.35	0.00	6.24	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
6.43	0.00	6.31	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
6.51	0.00	6.38	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
6.59	0.00	6.45	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
6.67	0.00	6.52	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
6.75	0.00	6.59	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
6.83	0.00	6.66	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
6.91	0.00	6.73	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
6.99	0.00	6.80	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
7.07	0.00	6.87	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
7.15	0.00	6.94	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
7.23	0.00	7.01	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
7.31	0.00	7.08	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
7.39	0.00	7.15	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
7.47	0.00	7.22	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
7.55	0.00	7.29	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
7.63	0.00	7.36	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
7.71	0.00	7.43	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
7.79	0.00	7.50	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
7.87	0.00	7.57	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
7.95	0.00	7.64	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
8.03	0.00	7.71	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
8.11	0.00	7.78	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
8.19	0.00	7.85	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
8.27	0.00	7.92	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
8.35	0.00	7.99	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
8.43	0.00	8.06	10.30	1.75	14.29	2.50	16.33	3.27	16.33	4.04	18.26
8.51	0.00	8.13	10.								

TOTAL RAINFALL (mm) = 42.997
RUNOFF COEFFICIENT = 0.294

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB ID= 2.0	Area (sq ft)	(ha) = 0.95	Curve Number (CN) = 79.0	U.H. Tp(hrs) = 0.14	# of Linear Res.(N) = 3.69
------------------	-----------------	----------------	-----------------------------	------------------------	-------------------------------

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

TRANSFORMED METEOROGRAPH				
TIME	RAIN	TIME	RAIN	TIME
h/hrs	mm/hr	h/hrs	mm/hr	h/hrs
0.063	0.60	0.633	7.09	24.10
0.126	0.60	0.633	7.09	24.10
0.189	0.60	0.633	7.09	24.10
0.252	0.60	0.633	7.09	24.10
0.315	0.60	0.633	7.09	24.10
0.378	0.60	0.633	7.09	24.10
0.441	0.60	0.633	7.09	24.10
0.504	0.60	0.633	7.09	24.10
0.567	0.60	0.633	7.09	24.10
0.630	0.60	0.633	7.09	24.10
0.693	0.60	0.633	7.09	24.10
0.756	0.60	0.633	7.09	24.10
0.819	0.60	0.633	7.09	24.10
0.882	0.60	0.633	7.09	24.10
0.945	0.60	0.633	7.09	24.10
1.008	0.60	0.633	7.09	24.10
1.071	0.60	0.633	7.09	24.10
1.134	0.60	0.633	7.09	24.10
1.197	0.60	0.633	7.09	24.10
1.260	0.60	0.633	7.09	24.10
1.323	0.60	0.633	7.09	24.10
1.386	0.60	0.633	7.09	24.10
1.449	0.60	0.633	7.09	24.10
1.512	0.60	0.633	7.09	24.10
1.575	0.60	0.633	7.09	24.10
1.638	0.60	0.633	7.09	24.10
1.701	0.60	0.633	7.09	24.10
1.764	0.60	0.633	7.09	24.10
1.827	0.60	0.633	7.09	24.10
1.890	0.60	0.633	7.09	24.10
1.953	0.60	0.633	7.09	24.10
2.016	0.60	0.633	7.09	24.10
2.079	0.60	0.633	7.09	24.10
2.142	0.60	0.633	7.09	24.10
2.205	0.60	0.633	7.09	24.10
2.268	0.60	0.633	7.09	24.10
2.331	0.60	0.633	7.09	24.10
2.394	0.60	0.633	7.09	24.10
2.457	0.60	0.633	7.09	24.10
2.520	0.60	0.633	7.09	24.10
2.583	0.60	0.633	7.09	24.10
2.646	0.60	0.633	7.09	24.10
2.709	0.60	0.633	7.09	24.10
2.772	0.60	0.633	7.09	24.10
2.835	0.60	0.633	7.09	24.10
2.898	0.60	0.633	7.09	24.10
2.961	0.60	0.633	7.09	24.10
3.024	0.60	0.633	7.09	24.10
3.087	0.60	0.633	7.09	24.10
3.150	0.60	0.633	7.09	24.10
3.213	0.60	0.633	7.09	24.10
3.276	0.60	0.633	7.09	24.10
3.339	0.60	0.633	7.09	24.10
3.402	0.60	0.633	7.09	24.10
3.465	0.60	0.633	7.09	24.10
3.528	0.60	0.633	7.09	24.10
3.591	0.60	0.633	7.09	24.10
3.654	0.60	0.633	7.09	24.10
3.717	0.60	0.633	7.09	24.10
3.780	0.60	0.633	7.09	24.10
3.843	0.60	0.633	7.09	24.10
3.906	0.60	0.633	7.09	24.10
3.969	0.60	0.633	7.09	24.10
4.032	0.60	0.633	7.09	24.10
4.095	0.60	0.633	7.09	24.10
4.158	0.60	0.633	7.09	24.10
4.221	0.60	0.633	7.09	24.10
4.284	0.60	0.633	7.09	24.10
4.347	0.60	0.633	7.09	24.10
4.410	0.60	0.633	7.09	24.10
4.473	0.60	0.633	7.09	24.10
4.536	0.60	0.633	7.09	24.10
4.599	0.60	0.633	7.09	24.10
4.662	0.60	0.633	7.09	24.10
4.725	0.60	0.633	7.09	24.10
4.788	0.60	0.633	7.09	24.10
4.851	0.60	0.633	7.09	24.10
4.914	0.60	0.633	7.09	24.10
4.977	0.60	0.633	7.09	24.10
5.040	0.60	0.633	7.09	24.10
5.103	0.60	0.633	7.09	24.10
5.166	0.60	0.633	7.09	24.10
5.229	0.60	0.633	7.09	24.10
5.292	0.60	0.633	7.09	24.10
5.355	0.60	0.633	7.09	24.10
5.418	0.60	0.633	7.09	24.10
5.481	0.60	0.633	7.09	24.10
5.544	0.60	0.633	7.09	24.10
5.607	0.60	0.633	7.09	24.10
5.670	0.60	0.633	7.09	24.10
5.733	0.60	0.633	7.09	24.10
5.796	0.60	0.633	7.09	24.10
5.859	0.60	0.633	7.09	24.10
5.922	0.60	0.633	7.09	24.10
5.985	0.60	0.633	7.09	24.10
6.048	0.60	0.633	7.09	24.10
6.111	0.60	0.633	7.09	24.10
6.174	0.60	0.633	7.09	24.10
6.237	0.60	0.633	7.09	24.10
6.300	0.60	0.633	7.09	24.10
6.363	0.60	0.633	7.09	24.10
6.426	0.60	0.633	7.09	24.10
6.489	0.60	0.633	7.09	24.10
6.552	0.60	0.633	7.09	24.10
6.615	0.60	0.633	7.09	24.10
6.678	0.60	0.633	7.09	24.10
6.741	0.60	0.633	7.09	24.10
6.804	0.60	0.633	7.09	24.10
6.867	0.60	0.633	7.09	24.10
6.930	0.60	0.633	7.09	24.10
6.993	0.60	0.633	7.09	24.10
7.056	0.60	0.633	7.09	24.10
7.119	0.60	0.633	7.09	24.10
7.182	0.60	0.633	7.09	24.10
7.245	0.60	0.633	7.09	24.10
7.308	0.60	0.633	7.09	24.10
7.371	0.60	0.633	7.09	24.10
7.434	0.60	0.633	7.09	24.10
7.497	0.60	0.633	7.09	24.10
7.560	0.60	0.633	7.09	24.10
7.623	0.60	0.633	7.09	24.10
7.686	0.60	0.633	7.09	24.10
7.749	0.60	0.633	7.09	24.10
7.812	0.60	0.633	7.09	24.10
7.875	0.60	0.633	7.09	24.10
7.938	0.60	0.633	7.09	24.10
8.001	0.60	0.633	7.09	24.10
8.064	0.60	0.633	7.09	24.10
8.127	0.60	0.633	7.09	24.10
8.190	0.60	0.633	7.09	24.10
8.253	0.60	0.633	7.09	24.10
8.316	0.60	0.633	7.09	24.10
8.379	0.60	0.633	7.09	24.10
8.442	0.60	0.633	7.09	24.10
8.505	0.60	0.633	7.09	24.10
8.568	0.60	0.633	7.09	24.10
8.631	0.60	0.633	7.09	24.10
8.694	0.60	0.633	7.09	24.10
8.757	0.60	0.633	7.09	24.10
8.820	0.60	0.633	7.09	24.10
8.883	0.60	0.633	7.09	24.10
8.946	0.60	0.633	7.09	24.10
9.009	0.60	0.633	7.09	24.10
9.072	0.60	0.633	7.09	24.10
9.135	0.60	0.633	7.09	24.10
9.198	0.60	0.633	7.09	24.10
9.261	0.60	0.633	7.09	24.10
9.324	0.60	0.633	7.09	24.10
9.387	0.60	0.633	7.09	24.10
9.450	0.60	0.633	7.09	24.10
9.513	0.60	0.633	7.09	24.10
9.576	0.60	0.633	7.09	24.10
9.639	0.60	0.633	7.09	24.10
9.702	0.60	0.633	7.09	24.10
9.765	0.60	0.633	7.09	24.10
9.828	0.60	0.633	7.09	24.10
9.891	0.60	0.633	7.09	24.10
9.954	0.60	0.633	7.09	24.10
10.017	0.60	0.633	7.09	24.10
10.080	0.60	0.633	7.09	24.10
10.143	0.60	0.633	7.09	24.10
10.206	0.60	0.633	7.09	24.10
10.269	0.60	0.633	7.09	24.10
10.332	0.60	0.633	7.09	24.10
10.395	0.60	0.633	7.09	24.10
10.458	0.60	0.633	7.09	24.10
10.521	0.60	0.633	7.09	24.10
10.584	0.60	0.633	7.09	24.10
10.647	0.60	0.633	7.09	24.10
10.710	0.60	0.633	7.09	24.10
10.773	0.60	0.633	7.09	24.10
10.836	0.60	0.633	7.09	24.10
10.899	0.60	0.633	7.09	24.10
10.962	0.60	0.633	7.09	24.10
11.025	0.60	0.633	7.09	24.10
11.088	0.60	0.633	7.09	24.10
11.151	0.60	0.633	7.09	24.10
11.214	0.60	0.633	7.09	24.10
11.277	0.60	0.633	7.09	24.10
11.340	0.60	0.633	7.09	24.10
11.403	0.60	0.633	7.09	24.10
11.466	0.60	0.633	7.09	24.10
11.529	0.60	0.633	7.09	24.10
11.592	0.60	0.633	7.09	24.10
11.655	0.60	0.633	7.09	24.10
11.718	0.60	0.633	7.09	24.10
11.781	0.60	0.633	7.09	24.10
11.844	0.60	0.633	7.09	24.10
11.907	0.60	0.633	7.09	24.10
11.970	0.60	0.633	7.09	24.10
12.033	0.60	0.633	7.09	24.10
12.096	0.60	0.633	7.09	24.10
12.159	0.60	0.633	7.09	24.10
12.222	0.60	0.633	7.09	24.10
12.285	0.60	0.633	7.09	24.10
12.348	0.60	0.633	7.09	24.10
12.411	0.60	0.633	7.09	24.10
12.474	0.60	0.633	7.09	24.10
12.537	0.60	0.633	7.09	24.10
12.600	0.60	0.633	7.09	24.10
12.663	0.60	0.633	7.09	24.10
12.726	0.60	0.633	7.09	24.10
12.789	0.60	0.633	7.09	24.10
12.852	0.60	0.633	7.09	24.10
12.915	0.60	0.633	7.09	24.10
12.978	0.60	0.633	7.09	24.10
13.041	0.60	0.633	7.09	24.10
13.104	0.60	0.633	7.09	24.10
13.167	0.60	0.633	7.09	24.10
13.230	0.60	0.633	7.09	24.10
13.293	0.60	0.633	7.09	24.10
13.356	0.60	0.633	7.09	24.10
13.419	0.60	0.633	7.09	24.10
13.482	0.60	0.633	7.09	24.10
13.545	0.60	0.633	7.09	24.10
13.608	0.60	0.633	7.09	24.10
13.671	0.60	0.633	7.09	24.10
13.734	0.60	0.633	7.09	24.10
13.797	0.60	0.633	7.09	24.10
13.860	0.60	0.633	7.09	24.10
13.923	0.60	0.633	7.09	24.10
13.986	0.60	0.633	7.09	24.10
14.049	0.60	0.633	7.09	24.10
14.112	0.60	0.633	7.09	24.10
14.175	0.60	0.633	7.09	24.10
14.238	0.60	0.633	7.09	24.10
14.301	0.60	0.633	7.09	24.10
14.364	0.60	0.633	7.09	24.10
14.427	0.60	0.633	7.09	24.10
14.490	0.60	0.633	7.09	24.10
14.553	0.60	0.633	7.09	24.10
14.616	0.60	0.633	7.09	24.10
14.679	0.60	0.633	7.09	24.10
14.742	0.			

0.360 4.98 1.100 13.61 1.900 12.01 2.70 5.11
0.333 11.22 1.933 15.05 1.933 11.22 2.73 5.11
0.306 15.05 1.900 18.87 1.900 15.05 2.70 4.87
0.400 5.30 1.200 20.06 2.000 10.42 2.60 4.87
0.433 5.48 1.233 20.06 2.000 10.42 2.60 4.87
0.500 6.00 1.300 21.95 2.100 8.78 2.90 4.64
0.533 6.60 1.333 21.33 2.133 8.32 2.93 4.55
0.600 6.90 1.400 22.79 2.200 7.95 3.00 4.45
0.633 6.60 1.433 24.60 2.233 7.59 3.03 4.27
0.667 6.60 1.467 26.42 2.267 7.29 3.07 4.27
0.733 7.21 1.533 38.31 2.333 6.99 3.10 4.14
0.800 7.60 1.600 31.21 2.400 6.50 3.07 4.14
0.867 7.60 1.667 38.31 2.460 6.50 3.07 4.14

Unit Hyd Qpeak (cms)= 0.523

PEAK FLOW (cms)= 0.122 (1)

TIME TO PEAK (hrs)= 1.733

TOTAL RAINFALL (mm)= 42.997

RUNOFF COEFFICIENT = 0.294

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB ID= 1 (0103) Area (ha)= 1.47 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.19 # of Linear Res.(N)= 3.00

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

TIME		RAIN		TRANSFORMED		HYETOGRAPH		TIME		RAIN	
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
0.100	2.24	0.090	8.97	1.700	17.82	2.50	6.07	0.100	2.24	0.090	8.97
0.133	4.48	0.933	9.64	1.733	17.82	2.53	5.71	0.133	4.48	0.933	9.64
0.167	4.48	0.933	9.64	1.733	17.82	2.53	5.71	0.167	4.48	0.933	9.64
0.200	4.75	1.000	10.30	1.800	14.29	2.60	5.55	0.200	4.75	1.000	10.30
0.233	4.75	1.033	12.17	1.833	14.29	2.63	5.39	0.233	4.75	1.033	12.17
0.267	4.75	1.067	14.04	1.867	14.29	2.66	5.23	0.267	4.75	1.067	14.04
0.300	4.99	1.100	13.61	1.900	12.01	2.70	5.11	0.300	4.99	1.100	13.61
0.333	4.98	1.133	15.05	1.933	11.22	2.73	5.11	0.333	4.98	1.133	15.05
0.367	4.98	1.167	16.90	1.967	10.42	2.77	4.99	0.367	4.98	1.167	16.90
0.400	5.30	1.200	20.06	2.000	10.42	2.80	4.87	0.400	5.30	1.200	20.06
0.433	5.48	1.233	20.06	2.033	9.23	2.83	4.87	0.433	5.48	1.233	20.06
0.467	5.48	1.267	21.95	2.067	8.78	2.86	4.64	0.467	5.48	1.267	21.95
0.500	5.60	1.300	21.95	2.100	8.32	2.90	4.55	0.500	5.60	1.300	21.95
0.533	6.00	1.333	21.33	2.133	8.32	2.93	4.55	0.533	6.00	1.333	21.33
0.567	6.30	1.400	22.79	2.200	7.95	3.00	4.45	0.567	6.30	1.400	22.79
0.600	6.30	1.433	24.60	2.233	7.59	3.03	4.27	0.600	6.30	1.433	24.60
0.633	6.60	1.467	26.42	2.267	7.29	3.07	4.27	0.633	6.60	1.467	26.42
0.667	6.60	1.500	28.23	2.300	6.99	3.10	4.14	0.667	6.60	1.500	28.23
0.700	7.21	1.533	38.31	2.333	6.50	3.07	4.14	0.700	7.21	1.533	38.31
0.733	7.21	1.567	38.31	2.367	6.50	3.07	4.14	0.733	7.21	1.567	38.31
0.767	7.60	1.600	31.21	2.400	6.50	3.07	4.14	0.767	7.60	1.600	31.21
0.800	7.60	1.667	38.31	2.460	6.50	3.07	4.14	0.800	7.60	1.667	38.31

85

Unit Hyd Qpeak (cms)= 1.705

PEAK FLOW (cms)= 0.459 (1)

86

Unit Hyd Qpeak (cms)= 0.296

PEAK FLOW (cms)= 0.064 (1)

TIME TO PEAK (hrs)= 1.700

TOTAL RAINFALL (mm)= 42.997

RUNOFF COEFFICIENT = 0.294

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB ID= 1 (0009) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

CALIB ID= 1 (0102) AREA (ha)= 14.73 Curve Number (CN)= 79.0
U.H. Tp(hrs)= 0.33 # of Linear Res.(N)= 3.00

[illegible]

90

3.133	1.64	9.157	2.57	15.269	2.41	21.23	0.95	5.267	1.23	11.330	7.71	17.393	1.45	23.327	0.95
3.157	1.64	9.238	2.57	15.233	2.41	21.23	0.95	5.368	1.23	11.337	7.71	17.393	1.45	23.340	0.95
3.200	1.64	9.333	2.57	15.267	2.41	21.36	0.95	5.333	1.29	11.367	7.71	17.460	1.45	23.43	0.95
3.223	1.64	9.207	2.57	15.309	2.41	21.33	0.95	5.367	1.29	11.400	7.71	17.433	1.45	23.47	0.95
3.246	1.64	9.288	2.57	15.273	2.41	21.33	0.95	5.333	1.29	11.367	7.71	17.433	1.45	23.47	0.95
3.300	1.64	9.333	2.57	15.307	2.41	21.46	0.95	5.433	1.29	11.467	7.71	17.506	1.45	23.53	0.95
3.333	1.64	9.367	2.57	15.400	2.41	21.43	0.95	5.467	1.29	11.500	7.71	17.533	1.45	23.57	0.95
3.367	1.64	9.430	2.57	15.432	2.41	21.57	0.95	5.500	1.29	11.533	7.71	17.567	1.45	23.60	0.95
3.400	1.64	9.467	2.57	15.465	2.41	21.57	0.95	5.533	1.29	11.567	7.71	17.567	1.45	23.60	0.95
3.433	1.64	9.467	2.57	15.500	2.41	21.53	0.95	5.567	1.29	11.600	7.71	17.633	1.45	23.67	0.95
3.467	1.64	9.500	2.57	15.533	2.41	21.57	0.95	5.600	1.29	11.633	7.71	17.667	1.45	23.70	0.95
3.500	1.64	9.567	2.57	15.560	2.41	21.65	0.95	5.667	1.29	11.700	7.71	17.733	1.45	23.73	0.95
3.533	1.64	9.567	2.57	15.560	2.41	21.65	0.95	5.667	1.29	11.700	7.71	17.733	1.45	23.73	0.95
3.567	1.64	9.600	2.73	15.633	2.41	21.67	0.95	5.700	1.29	11.733	7.71	17.767	1.45	23.80	0.95
3.600	1.64	9.633	2.89	15.667	2.41	21.70	0.95	5.733	1.29	11.767	7.71	17.800	1.45	23.83	0.95
3.633	1.64	9.633	2.89	15.667	2.41	21.70	0.95	5.733	1.29	11.767	7.71	17.800	1.45	23.83	0.95
3.667	1.64	9.700	2.89	15.733	2.41	21.75	0.95	5.800	1.29	11.833	7.71	17.867	1.45	23.96	0.95
3.700	1.64	9.733	2.89	15.767	2.41	21.80	0.95	5.833	1.29	11.867	7.71	17.900	1.45	23.96	0.95
3.733	1.64	9.767	2.89	15.800	2.41	21.83	0.95	5.867	1.29	11.900	7.71	17.933	1.45	23.97	0.95
3.767	1.64	9.800	2.89	15.800	2.41	21.83	0.95	5.867	1.29	11.900	7.71	17.933	1.45	23.97	0.95
3.800	1.64	9.833	2.89	15.867	2.41	21.96	0.95	5.933	1.29	11.967	7.71	18.000	1.45	24.03	0.95
3.833	1.64	9.867	2.89	15.900	2.41	21.93	0.95	5.967	1.29	12.000	7.71	18.033	1.45	24.07	0.95
3.867	1.64	9.867	2.89	15.900	2.41	21.93	0.95	5.967	1.29	12.000	7.71	18.033	1.45	24.07	0.95
3.900	1.64	9.933	2.89	15.967	2.41	22.00	0.95	6.033	1.29	12.067	7.71	18.100	1.45	24.10	0.48
3.933	1.64	9.933	2.89	15.967	2.41	22.00	0.95	6.033	1.29	12.067	7.71	18.100	1.45	24.10	0.48

[illegible]

Unit peak (cms) = 0.528

PEAK FLOW	(cms) =	0.293 (i)
TIME TO PEAK		4.888 (i)

TIME TO PEAK	(hrs) =	12.260
RUNOFF VOLUME	(mm) =	38.384

TOTAL RAINFALL (mm) = 80.350
RUNOFF COEFFICIENT = 0.478

[illegible][illegible]

LIB	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
LIB	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

SHYD	(0106)	Area	(ha) =	0.36	Curve Number	(CN) =	79.9
1 DT=	2.0 min	Ia	(mm) =	6.75	# of Linear Res.	(N) =	3.00

..... U.H. $\text{Tp}(\text{hrs}) = 0.14$

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

---- TRANSFORMED HYETOGRAPH ----

[illegible][illegible]

0.067	0.00	6.100	1.37	12.133	11.57	18.17
0.100	0.44	6.133	1.45	12.167	11.57	18.20

0.133	0.88	6.167	1.45	12.200	11.57	18.23
-------	------	-------	------	--------	-------	-------

0.167	0.88	6.200	1.45	12.233	11.57	18.27
0.200	0.88	6.233	1.45	12.267	11.57	18.30

[illegible]

0.267	0.88	6.369	1.45	12.333	11.57	18.37
0.300	0.88	6.333	1.45	12.367	11.57	18.49

0.333	0.88	6.367	1.45	12.400	11.57	18.43
-------	------	-------	------	--------	-------	-------

0.367	0.88	6.400	1.45	12.433	11.57	18.47
0.400	0.88	6.433	1.45	12.467	11.57	18.50

0.433	0.88	6.467	1.45	12.500	11.57	18.53
-------	------	-------	------	--------	-------	-------

0.467	0.88	6.500	1.45	12.533	11.57	18.57
0.500	0.88	6.533	1.45	12.567	11.57	18.60

0.533	0.88	6.567	1.45	12.600	8.75	18.63
-------	------	-------	------	--------	------	-------

92

1.633	0.88	7.067	1.45	13.109	4.34	19.13	1.45	0.96
1.069	0.88	7.063	1.45	13.117	4.34	19.15	1.45	0.96
1.068	0.88	7.117	1.45	13.116	4.34	19.16	1.45	0.96
1.063	0.88	7.133	1.45	13.158	4.34	19.20	1.45	0.96
1.133	0.88	7.127	1.45	13.286	4.34	19.23	1.45	0.96
1.160	0.88	7.163	1.45	13.217	4.34	19.25	1.45	0.96
1.163	0.88	7.177	1.45	13.253	4.34	19.26	1.45	0.96
1.133	0.88	7.233	1.45	13.267	4.34	19.30	1.45	0.96
1.217	0.88	7.269	1.45	13.283	4.34	19.32	1.45	0.96
1.259	0.88	7.283	1.45	13.317	4.34	19.35	1.45	0.96
1.267	0.88	7.309	1.45	13.333	4.34	19.37	1.45	0.96
1.360	0.88	7.333	1.45	13.367	4.34	19.40	1.45	0.96
1.356	0.88	7.369	1.45	13.383	4.34	19.42	1.45	0.96
1.350	0.88	7.383	1.45	13.417	4.34	19.45	1.45	0.96
1.387	0.88	7.409	1.45	13.433	4.34	19.47	1.45	0.96
1.400	0.88	7.433	1.45	13.467	4.34	19.49	1.45	0.96
1.417	0.88	7.459	1.45	13.483	4.34	19.52	1.45	0.96
1.436	0.88	7.483	1.45	13.517	4.34	19.55	1.45	0.96
1.458	0.88	7.483	1.45	13.517	4.34	19.55	1.45	0.96
1.467	0.88	7.509	1.45	13.533	4.34	19.57	1.45	0.96
1.583	0.88	7.517	1.45	13.559	4.34	19.58	1.45	0.96
1.533	0.88	7.567	1.45	13.609	4.34	19.63	1.45	0.96
1.517	0.88	7.559	1.45	13.593	4.34	19.62	1.45	0.96
1.567	0.88	7.609	1.45	13.633	4.34	19.67	1.45	0.96
1.583	0.88	7.617	1.45	13.659	4.34	19.68	1.45	0.96
1.607	0.88	7.659	1.45	13.683	4.34	19.72	1.45	0.96
1.633	0.88	7.667	1.45	13.709	4.34	19.73	1.45	0.96
1.697	0.88	7.709	1.45	13.733	4.34	19.77	1.45	0.96
1.683	0.88	7.717	1.45	13.759	4.34	19.78	1.45	0.96
1.717	0.88	7.759	1.45	13.783	4.34	19.82	1.45	0.96
1.733	0.88	7.767	1.45	13.809	4.34	19.83	1.45	0.96
1.759	0.88	7.783	1.45	13.837	4.34	19.85	1.45	0.96
1.783	0.88	7.817	1.45	13.859	4.34	19.88	1.45	0.96
1.809	0.88	7.833	1.45	13.867	4.34	19.90	1.45	0.96
1.833	0.88	7.867	1.45	13.909	4.34	19.93	1.45	0.96
1.859	0.88	7.883	1.45	13.917	4.34	19.95	1.45	0.96
1.883	0.88	7.917	1.45	13.959	4.34	19.98	1.45	0.96
1.909	0.88	7.933	1.45	13.967	4.34	20.00	1.45	0.96
1.969	0.88	7.983	1.45	14.009	4.34	20.03	1.45	0.96
1.969	0.88	7.983	1.45	14.017	4.34	20.05	1.45	0.96
1.983	0.88	8.017	1.45	14.053	4.34	20.08	1.45	0.96
2.069	0.88	8.033	1.45	14.067	4.34	20.10	0.97	0.96
2.033	0.88	8.097	1.45	14.083	4.34	20.13	0.96	0.96
2.057	0.88	8.117	1.45	14.117	4.34	20.15	0.96	0.96
2.069	0.88	8.109	1.45	14.133	4.34	20.17	0.96	0.96
2.093	0.88	8.117	1.45	14.139	4.34	20.17	0.96	0.96

97

3.167	1.04	9.299	2.57	15.233	2.41	21.27	0.96	0.96
3.183	1.04	9.217	2.57	15.259	2.41	21.28	0.96	0.96
3.217	1.04	9.299	2.57	15.283	2.41	21.32	0.96	0.96
3.233	1.04	9.267	2.57	15.309	2.41	21.33	0.96	0.96
3.297	1.04	9.309	2.57	15.333	2.41	21.37	0.96	0.96
3.317	1.04	9.333	2.57	15.387	2.41	21.42	0.96	0.96
3.333	1.04	9.367	2.57	15.409	2.41	21.43	0.96	0.96
3.359	1.04	9.383	2.57	15.417	2.41	21.45	0.96	0.96
3.383	1.04	9.417	2.57	15.459	2.41	21.48	0.96	0.96
3.409	1.04	9.433	2.57	15.467	2.41	21.50	0.96	0.96
3.433	1.04	9.467	2.57	15.509	2.41	21.53	0.96	0.96
3.459	1.04	9.483	2.57	15.517	2.41	21.55	0.96	0.96
3.483	1.04	9.517	2.57	15.559	2.41	21.58	0.96	0.96
3.509	1.04	9.533	2.57	15.567	2.41	21.60	0.96	0.96
3.523	1.04	9.567	2.57	15.609	2.41	21.63	0.96	0.96
3.549	1.04	9.583	2.57	15.617	2.41	21.65	0.96	0.96
3.593	1.04	9.617	2.57	15.653	2.41	21.68	0.96	0.96
3.609	1.04	9.633	2.57	15.667	2.41	21.70	0.96	0.96
3.637	1.04	9.669	2.57	15.683	2.41	21.72	0.96	0.96
3.659	1.04	9.683	2.57	15.717	2.41	21.75	0.96	0.96
3.709	1.04	9.733	2.57	15.767	2.41	21.80	0.96	0.96
3.717	1.04	9.759	2.57	15.783	2.41	21.82	0.96	0.96
3.759	1.04	9.783	2.57	15.817	2.41	21.85	0.96	0.96
3.767	1.04	9.809	2.57	15.833	2.41	21.87	0.96	0.96
3.809	1.04	9.833	2.57	15.867	2.41	21.90	0.96	0.96
3.817	1.04	9.859	2.57	15.883	2.41	21.92	0.96	0.96
3.859	1.04	9.883	2.57	15.917	2.41	21.95	0.96	0.96
3.867	1.04	9.909	2.57	15.933	2.41	21.97	0.96	0.96
3.883	1.04	9.917	2.57	15.959	2.41	21.98	0.96	0.96
3.917	1.04	9.959	2.57	15.983	2.41	22.02	0.96	0.96
3.967	1.04	9.967	2.57	16.009	2.41	22.03	0.96	0.96
3.983	1.04	10.009	2.57	16.033	2.41	22.07	0.96	0.96
4.007	1.04	10.059	2.57	16.059	2.41	22.12	0.96	0.96
4.067	1.04	10.067	2.57	16.133	2.41	22.17	0.96	0.96
4.083	1.04	10.107	2.57	16.159	2.41	22.18	0.96	0.96
4.117	1.04	10.139	2.57	16.183	2.41	22.22	0.96	0.96
4.133	1.29	10.167	3.70	16.209	1.45	22.23	0.96	0.96
4.157	1.29	10.183	3.70	16.237	1.45	22.27	0.96	0.96
4.183	1.29	10.217	3.70	16.259	1.45	22.28	0.96	0.96
4.209	1.29	10.233	3.70	16.267	1.45	22.30	0.96	0.96
4.217	1.29	10.239	3.70	16.253	1.45	22.32	0.96	0.96

99

2.109	1.04	8.133	2.57	14.167	2.41	20.20	0.96	0.96
2.117	1.04	8.159	2.57	14.183	2.41	20.22	0.96	0.96
2.159	1.04	8.183	2.57	14.217	2.41	20.25	0.96	0.96
2.167	1.04	8.209	2.57	14.233	2.41	20.27	0.96	0.96
2.209	1.04	8.233	2.57	14.267	2.41	20.30	0.96	0.96
2.217	1.04	8.259	2.57	14.283	2.41	20.32	0.96	0.96
2.259	1.04	8.283	2.57	14.317	2.41	20.35	0.96	0.96
2.267	1.04	8.309	2.57	14.333	2.41	20.37	0.96	0.96
2.283	1.04	8.317	2.57	14.369	2.41	20.38	0.96	0.96
2.317	1.04	8.359	2.57	14.383	2.41	20.44	0.96	0.96
2.333	1.04	8.367	2.57	14.409	2.41	20.43	0.96	0.96
2.367	1.04	8.383	2.57	14.433	2.41	20.47	0.96	0.96
2.383	1.04	8.417	2.57	14.459	2.41	20.48	0.96	0.96
2.417	1.04	8.459	2.57	14.483	2.41	20.52	0.96	0.96
2.443	1.04	8.467	2.57	14.509	2.41	20.53	0.96	0.96
2.483	1.04	8.517	2.57	14.533	2.41	20.57	0.96	0.96
2.483	1.04	8.517	2.57	14.569	2.41	20.58	0.96	0.96
2.517	1.04	8.553	2.57	14.583	2.41	20.62	0.96	0.96
2.533	1.04	8.567	2.57	14.609	2.41	20.63	0.96	0.96
2.559	1.04	8.583	2.57	14.637	2.41	20.65	0.96	0.96
2.569	1.04	8.623	2.57	14.667	2.41	20.70	0.96	0.96
2.609	1.04	8.633	2.57	14.677	2.41	20.71	0.96	0.96
2.633	1.04	8.667	2.57	14.709	2.41	20.73	0.96	0.96
2.659	1.04	8.683	2.57	14.717	2.41	20.75	0.96	0.96
2.669	1.04	8.683	2.57	14.767	2.41	20.78	0.96	0.96
2.709	1.04	8.733	2.57	14.767	2.41	20.80	0.96	0.96
2.733	1.04	8.767	2.57	14.809	2.41	20.85	0.96	0.96
2.759	1.04	8.783	2.57	14.817	2.41	20.85	0.96	0.96
2.783	1.04	8.817	2.57	14.869	2.41	20.88	0.96	0.96
2.809	1.04	8.833	2.57	14.867	2.41	20.90	0.96	0.96
2.833	1.04	8.859	2.57	14.883	2.41	20.92	0.96	0.96
2.859	1.04	8.883	2.57	14.917	2.41	20.95	0.96	0.96
2.867	1.04	8.909	2.57	14.933	2.41	20.97	0.96	0.96
2.917	1.04	8.959	2.57	14.967	2.41	21.02	0.96	0.96
2.933	1.04	8.967	2.57	14.983	2.41	21.02	0.96	0.96
2.969	1.04	9.009	2.57	15.009	2.41	21.08	0.96	0.96
2.983	1.04	9.017	2.57	15.033	2.41	21.11	0.96	0.96
3.017	1.04	9.059	2.57	15.067	2.41	21.13	0.96	0.96
3.033	1.04	9.067	2.57	15.083	2.41	21.15	0.96	0.96
3.069	1.04	9.109	2.57	15.109	2.41	21.18	0.96	0.96
3.083	1.04	9.117	2.57	15.133	2.41	21.21	0.96	0.96
3.117	1.04	9.159	2.57	15.163	2.41	21.22	0.96	0.96
3.139	1.04	9.183	2.57	15.209	2.41	21.23	0.96	0.96
3.159	1.04	9.183	2.57	15.217	2.41	21.23	0.96	0.96

98

4.233	1.29	10.267	3.70	16.309	1.45	22.33	0.96	0.96
4.269	1.29	10.283	3.70	16.317	1.45	22.35	0.96	0.96
4.283	1.29	10.317	3.70	16.359	1.45	22.38	0.96	0.96
4.309	1.29	10.333	3.70	16.367	1.45	22.40	0.96	0.

5.967 1.29 12.099 98.35 18.033 1.45 24.07 0.96
6.069 1.29 12.033 98.35 18.067 1.45 24.16 0.96
6.053 1.29 12.067 98.35 18.100 1.45 24.16 0.96
Unit Hyd Qpeak (cms) = 0.052
PEAK FLOW (cms) = 0.020 (1)
TIME TO PEAK (hrs) = 12.100
TOTAL RAINFALL (mm) = 89.359
RUNOFF COEFFICIENT = 0.477
(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB (0.010) Area (ha) = 0.08 Curve Number (CN) = 79.0
NASHD = 1.01 U.H. Tp(hrs) = 6.09 # of Linear Res. (N) = 3.09
NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

TIME		RAIN		TRANSFORMED HYETOGRAPH		TIME		RAIN	
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.033	0.00	6.067	1.37	12.100	54.84	18.13	1.45		
0.169	0.44	6.133	1.45	12.167	11.57	18.20	1.45		
0.133	0.88	6.167	1.45	12.200	11.57	18.23	1.45		
0.269	0.88	6.233	1.45	12.267	11.57	18.36	1.45		
0.233	0.88	6.267	1.45	12.300	11.57	18.33	1.45		
0.369	0.88	6.333	1.45	12.367	11.57	18.40	1.45		
0.333	0.88	6.367	1.45	12.400	11.57	18.43	1.45		
0.469	0.88	6.433	1.45	12.467	11.57	18.50	1.45		
0.433	0.88	6.467	1.45	12.500	11.57	18.53	1.45		
0.569	0.88	6.533	1.45	12.567	11.57	18.60	1.45		
0.533	0.88	6.567	1.45	12.600	8.75	18.63	1.45		
0.669	0.88	6.600	1.45	12.633	5.95	18.57	1.45		
0.567	0.88	6.667	1.45	12.666	5.95	18.57	1.45		
0.633	0.88	6.667	1.45	12.700	5.95	18.73	1.45		
0.667	0.88	6.700	1.45	12.733	5.95	18.77	1.45		
0.733	0.88	6.767	1.45	12.800	5.95	18.83	1.45		
0.669	0.88	6.800	1.45	12.833	5.95	18.87	1.45		
0.833	0.88	6.867	1.45	12.900	5.95	18.93	1.45		
0.867	0.88	6.900	1.45	12.933	5.95	18.97	1.45		
0.967	0.88	6.967	1.45	13.000	5.95	19.03	1.45		
0.933	0.88	6.967	1.45	13.066	5.95	19.13	1.45		
1.033	0.88	7.000	1.45	13.100	5.94	19.13	1.45		
1.067	0.88	7.100	1.45	13.133	4.34	19.17	1.45		
1.133	0.88	7.133	1.45	13.200	4.34	19.23	1.45		
1.167	0.88	7.167	1.45	13.233	4.34	19.27	1.45		
1.200	0.88	7.200	1.45	13.267	4.34	19.30	1.45		
1.233	0.88	7.233	1.45	13.300	4.34	19.33	1.45		

105

3.400	1.04	9.433	2.57	15.467	2.41	21.59	0.96		
3.433	1.04	9.467	2.57	15.500	2.41	21.53	0.96		
3.500	1.04	9.533	2.57	15.567	2.41	21.60	0.96		
3.533	1.04	9.567	2.57	15.600	2.41	21.63	0.96		
3.600	1.04	9.633	2.57	15.667	2.41	21.70	0.96		
3.633	1.04	9.667	2.57	15.700	2.41	21.73	0.96		
3.700	1.04	9.733	2.57	15.767	2.41	21.80	0.96		
3.733	1.04	9.767	2.57	15.800	2.41	21.83	0.96		
3.800	1.04	9.800	2.57	15.833	2.41	21.87	0.96		
3.833	1.04	9.867	2.57	15.900	2.41	21.93	0.96		
3.867	1.04	9.900	2.57	15.933	2.41	21.97	0.96		
3.933	1.04	9.967	2.57	16.000	2.41	22.03	0.96		
3.967	1.04	10.000	2.57	16.033	2.41	22.07	0.96		
4.033	1.04	10.067	2.57	16.100	1.93	22.13	0.96		
4.067	1.04	10.100	3.29	16.133	1.45	22.17	0.96		
4.133	1.20	10.167	3.76	16.200	1.45	22.23	0.96		
4.167	1.20	10.200	3.76	16.233	1.45	22.27	0.96		
4.233	1.20	10.267	3.76	16.300	1.45	22.33	0.96		
4.267	1.20	10.300	3.76	16.333	1.45	22.37	0.96		
4.300	1.20	10.333	3.76	16.367	1.45	22.40	0.96		
4.367	1.20	10.433	3.76	16.467	1.45	22.50	0.96		
4.400	1.20	10.500	3.76	16.500	1.45	22.57	0.96		
4.467	1.20	10.567	3.76	16.567	1.45	22.60	0.96		
4.500	1.20	10.600	3.76	16.600	1.45	22.63	0.96		
4.567	1.20	10.667	3.76	16.667	1.45	22.67	0.96		
4.600	1.20	10.700	3.76	16.700	1.45	22.70	0.96		
4.667	1.20	10.767	3.76	16.767	1.45	22.77	0.96		
4.700	1.20	10.800	3.76	16.800	1.45	22.80	0.96		
4.767	1.20	10.867	3.76	16.867	1.45	22.87	0.96		
4.800	1.20	10.900	3.76	16.900	1.45	22.90	0.96		
4.867	1.20	10.967	3.76	16.967	1.45	22.97	0.96		
4.900	1.20	11.000	3.76	17.000	1.45	23.00	0.96		
4.967	1.20	11.067	3.76	17.067	1.45	23.07	0.96		
5.000	1.20	11.100	3.76	17.100	1.45	23.10	0.96		
5.067	1.20	11.167	3.76	17.167	1.45	23.17	0.96		
5.100	1.20	11.200	3.76	17.200	1.45	23.20	0.96		
5.167	1.20	11.267	3.76	17.267	1.45	23.27	0.96		
5.200	1.20	11.300	3.76	17.300	1.45	23.30	0.96		
5.267	1.20	11.367	3.76	17.367	1.45	23.37	0.96		
5.300	1.20	11.400	3.76	17.400	1.45	23.40	0.96		
5.367	1.20	11.467	3.76	17.467	1.45	23.47	0.96		
5.400	1.20	11.500	3.76	17.500	1.45	23.50	0.96		
5.467	1.20	11.567	3.76	17.567	1.45	23.57	0.96		
5.500	1.20	11.600	3.76	17.600	1.45	23.60	0.96		

107

CALIB (0.010) Area (ha) = 3.15 Curve Number (CN) = 79.0
NASHD = 1.01 U.H. Tp(hrs) = 6.23 # of Linear Res. (N) = 3.09
NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

TIME		RAIN		TRANSFORMED HYETOGRAPH		TIME		RAIN	
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.033	0.00	6.067	1.37	12.100	54.84	18.13	1.45		
0.169	0.44	6.133	1.45	12.167	11.57	18.20	1.45		
0.133	0.88	6.167	1.45	12.200	11.57	18.23	1.45		
0.269	0.88	6.233	1.45	12.267	11.57	18.36	1.45		
0.233	0.88	6.267	1.45	12.300	11.57	18.33	1.45		
0.369	0.88	6.333	1.45	12.367	11.57	18.40	1.45		
0.333	0.88	6.367	1.45	12.400	11.57	18.43	1.45		
0.469	0.88	6.433	1.45	12.467	11.57	18.50	1.45		
0.433	0.88	6.467	1.45	12.500	11.57	18.53	1.45		
0.569	0.88	6.533	1.45	12.567	11.57	18.60	1.45		
0.533	0.88	6.567	1.45	12.600	8.75	18.63	1.45		
0.669	0.88	6.600	1.45	12.633	5.95	18.57	1.45		
0.567	0.88	6.667	1.45	12.666	5.95	18.57	1.45		
0.633	0.88	6.667	1.45	12.700	5.95	18.73	1.45		
0.667	0.88	6.700	1.45	12.733	5.95	18.77	1.45		
0.733	0.88	6.767	1.45	12.800	5.95	18.83	1.45		
0.669	0.88	6.800	1.45	12.833	5.95	18.87	1.45		
0.833	0.88	6.867	1.45	12.900	5.95	18.93	1.45		
0.867	0.88	6.900	1.45	12.933	5.95	18.97	1.45		
0.967	0.88	6.967	1.45	13.000	5.95	19.03	1.45		
0.933	0.88	6.967	1.45	13.066	5.95	19.13	1.45		
1.033	0.88	7.000	1.45	13.100	5.94	19.13	1.45		
1.067	0.88	7.100	1.45	13.133	4.34	19.17	1.45		
1.133	0.88	7.133	1.45	13.200	4.34	19.23	1.45		
1.167	0.88	7.167	1.45	13.233	4.34	19.27	1.45		
1.200	0.88	7.200	1.45	13.267	4.34	19.30	1.45		
1.233	0.88	7.233	1.45	13.300	4.34	19.33	1.45		

108

0.833	0.88	6.867	1.45	12.999	5.95	18.93	1.45	0.96
0.867	0.909	6.867	1.45	12.933	5.95	18.97	1.45	0.96
0.88	0.92	6.867	1.45	12.867	5.95	19.01	1.45	0.96
0.903	0.93	6.867	1.45	12.800	5.95	19.03	1.45	0.96
0.92	0.94	6.867	1.45	12.733	5.95	19.06	1.45	0.96
0.93	0.95	6.867	1.45	12.667	5.95	19.09	1.45	0.96
0.95	0.96	6.867	1.45	12.600	5.95	19.13	1.45	0.96
0.96	0.97	6.867	1.45	12.533	5.95	19.17	1.45	0.96
0.97	0.98	6.867	1.45	12.467	5.95	19.21	1.45	0.96
0.98	0.99	6.867	1.45	12.400	5.95	19.25	1.45	0.96
0.99	1.00	6.867	1.45	12.333	5.95	19.29	1.45	0.96
1.00	1.01	6.867	1.45	12.267	5.95	19.33	1.45	0.96
1.01	1.02	6.867	1.45	12.200	5.95	19.37	1.45	0.96
1.02	1.03	6.867	1.45	12.133	5.95	19.41	1.45	0.96
1.03	1.04	6.867	1.45	12.067	5.95	19.45	1.45	0.96
1.04	1.05	6.867	1.45	12.000	5.95	19.49	1.45	0.96
1.05	1.06	6.867	1.45	11.933	5.95	19.53	1.45	0.96
1.06	1.07	6.867	1.45	11.867	5.95	19.57	1.45	0.96
1.07	1.08	6.867	1.45	11.800	5.95	19.61	1.45	0.96
1.08	1.09	6.867	1.45	11.733	5.95	19.65	1.45	0.96
1.09	1.10	6.867	1.45	11.667	5.95	19.69	1.45	0.96
1.10	1.11	6.867	1.45	11.600	5.95	19.73	1.45	0.96
1.11	1.12	6.867	1.45	11.533	5.95	19.77	1.45	0.96
1.12	1.13	6.867	1.45	11.467	5.95	19.81	1.45	0.96
1.13	1.14	6.867	1.45	11.400	5.95	19.85	1.45	0.96
1.14	1.15	6.867	1.45	11.333	5.95	19.89	1.45	0.96
1.15	1.16	6.867	1.45	11.267	5.95	19.93	1.45	0.96
1.16	1.17	6.867	1.45	11.200	5.95	19.97	1.45	0.96
1.17	1.18	6.867	1.45	11.133	5.95	20.01	1.45	0.96
1.18	1.19	6.867	1.45	11.067	5.95	20.05	1.45	0.96
1.19	1.20	6.867	1.45	11.000	5.95	20.09	1.45	0.96
1.20	1.21	6.867	1.45	10.933	5.95	20.13	1.45	0.96
1.21	1.22	6.867	1.45	10.867	5.95	20.17	1.45	0.96
1.22	1.23	6.867	1.45	10.800	5.95	20.21	1.45	0.96
1.23	1.24	6.867	1.45	10.733	5.95	20.25	1.45	0.96
1.24	1.25	6.867	1.45	10.667	5.95	20.29	1.45	0.96
1.25	1.26	6.867	1.45	10.600	5.95	20.33	1.45	0.96
1.26	1.27	6.867	1.45	10.533	5.95	20.37	1.45	0.96
1.27	1.28	6.867	1.45	10.467	5.95	20.41	1.45	0.96
1.28	1.29	6.867	1.45	10.400	5.95	20.45	1.45	0.96
1.29	1.30	6.867	1.45	10.333	5.95	20.49	1.45	0.96
1.30	1.31	6.867	1.45	10.267	5.95	20.53	1.45	0.96
1.31	1.32	6.867	1.45	10.200	5.95	20.57	1.45	0.96
1.32	1.33	6.867	1.45	10.133	5.95	20.61	1.45	0.96
1.33	1.34	6.867	1.45	10.067	5.95	20.65	1.45	0.96
1.34	1.35	6.867	1.45	10.000	5.95	20.69	1.45	0.96
1.35	1.36	6.867	1.45	9.933	5.95	20.73	1.45	0.96
1.36	1.37	6.867	1.45	9.867	5.95	20.77	1.45	0.96
1.37	1.38	6.867	1.45	9.800	5.95	20.81	1.45	0.96
1.38	1.39	6.867	1.45	9.733	5.95	20.85	1.45	0.96
1.39	1.40	6.867	1.45	9.667	5.95	20.89	1.45	0.96
1.40	1.41	6.867	1.45	9.600	5.95	20.93	1.45	0.96
1.41	1.42	6.867	1.45	9.533	5.95	20.97	1.45	0.96
1.42	1.43	6.867	1.45	9.467	5.95	21.01	1.45	0.96
1.43	1.44	6.867	1.45	9.400	5.95	21.05	1.45	0.96
1.44	1.45	6.867	1.45	9.333	5.95	21.09	1.45	0.96
1.45	1.46	6.867	1.45	9.267	5.95	21.13	1.45	0.96
1.46	1.47	6.867	1.45	9.200	5.95	21.17	1.45	0.96
1.47	1.48	6.867	1.45	9.133	5.95	21.21	1.45	0.96
1.48	1.49	6.867	1.45	9.067	5.95	21.25	1.45	0.96
1.49	1.50	6.867	1.45	9.000	5.95	21.29	1.45	0.96
1.50	1.51	6.867	1.45	8.933	5.95	21.33	1.45	0.96
1.51	1.52	6.867	1.45	8.867	5.95	21.37	1.45	0.96
1.52	1.53	6.867	1.45	8.800	5.95	21.41	1.45	0.96
1.53	1.54	6.867	1.45	8.733	5.95	21.45	1.45	0.96
1.54	1.55	6.867	1.45	8.667	5.95	21.49	1.45	0.96
1.55	1.56	6.867	1.45	8.600	5.95	21.53	1.45	0.96
1.56	1.57	6.867	1.45	8.533	5.95	21.57	1.45	0.96
1.57	1.58	6.867	1.45	8.467	5.95	21.61	1.45	0.96
1.58	1.59	6.867	1.45	8.400	5.95	21.65	1.45	0.96
1.59	1.60	6.867	1.45	8.333	5.95	21.69	1.45	0.96
1.60	1.61	6.867	1.45	8.267	5.95	21.73	1.45	0.96
1.61	1.62	6.867	1.45	8.200	5.95	21.77	1.45	0.96
1.62	1.63	6.867	1.45	8.133	5.95	21.81	1.45	0.96
1.63	1.64	6.867	1.45	8.067	5.95	21.85	1.45	0.96
1.64	1.65	6.867	1.45	8.000	5.95	21.89	1.45	0.96
1.65	1.66	6.867	1.45	7.933	5.95	21.93	1.45	0.96
1.66	1.67	6.867	1.45	7.867	5.95	21.97	1.45	0.96
1.67	1.68	6.867	1.45	7.800	5.95	22.01	1.45	0.96
1.68	1.69	6.867	1.45	7.733	5.95	22.05	1.45	0.96
1.69	1.70	6.867	1.45	7.667	5.95	22.09	1.45	0.96
1.70	1.71	6.867	1.45	7.600	5.95	22.13	1.45	0.96
1.71	1.72	6.867	1.45	7.533	5.95	22.17	1.45	0.96
1.72	1.73	6.867	1.45	7.467	5.95	22.21	1.45	0.96
1.73	1.74	6.867	1.45	7.400	5.95	22.25	1.45	0.96
1.74	1.75	6.867	1.45	7.333	5.95	22.29	1.45	0.96
1.75	1.76	6.867	1.45	7.267	5.95	22.33	1.45	0.96
1.76	1.77	6.867	1.45	7.200	5.95	22.37	1.45	0.96
1.77	1.78	6.867	1.45	7.133	5.95	22.41	1.45	0.96
1.78	1.79	6.867	1.45	7.067	5.95	22.45	1.45	0.96
1.79	1.80	6.867	1.45	7.000	5.95	22.49	1.45	0.96
1.80	1.81	6.867	1.45	6.933	5.95	22.53	1.45	0.96
1.81	1.82	6.867	1.45	6.867	5.95	22.57	1.45	0.96
1.82	1.83	6.867	1.45	6.800	5.95	22.61	1.45	0.96
1.83	1.84	6.867	1.45	6.733	5.95	22.65	1.45	0.96
1.84	1.85	6.867	1.45	6.667	5.95	22.69	1.45	0.96
1.85	1.86	6.867	1.45	6.600	5.95	22.73	1.45	0.96
1.86	1.87	6.867	1.45	6.533	5.95	22.77	1.45	0.96
1.87	1.88	6.867	1.45	6.467	5.95	22.81	1.45	0.96
1.88	1.89	6.867	1.45	6.400	5.95	22.85	1.45	0.96
1.89	1.90	6.867	1.45	6.333	5.95	22.89	1.45	0.96
1.90	1.91	6.867	1.45	6.267	5.95	22.93	1.45	0.96
1.91	1.92	6.867	1.45	6.200	5.95	22.97	1.45	0.96
1.92	1.93	6.867	1.45	6.133	5.95	23.01	1.45	0.96
1.93	1.94	6.867	1.45	6.067	5.95	23.05	1.45	0.96
1.94	1.95	6.867	1.45	6.000	5.95	23.09	1.45	0.96
1.95	1.96	6.867	1.45	5.933	5.95	23.13	1.45	0.96
1.96	1.97	6.867	1.45	5.867	5.95	23.17	1.45	0.96
1.97	1.98	6.867	1.45	5.800	5.95	23.21	1.45	0.96
1.98	1.99	6.867	1.45	5.733	5.95	23.25	1.45	0.96
1.99	2.00	6.867	1.45	5.667	5.95	23.29	1.45	0.96
2.00	2.01	6.867	1.45	5.600	5.95	23.33	1.45	0.96
2.01	2.02	6.867	1.45	5.533	5.95	23.37	1.45	0.96
2.02	2.03	6.867	1.45	5.467	5.95	23.41	1.45	0.96
2.03	2.04	6.867	1.45	5.400	5.95	23.45	1.45	0.96
2.04	2.05	6.867	1.45	5.333	5.95	23.49	1.45	0.96
2.05	2.06	6.867	1.45	5.267	5.95	23.53	1.45	0.96
2.06	2.07	6.867	1.45	5.200	5.95	23.57	1.45	0.96
2.07	2.08	6.867	1.45	5.133	5.95	23.61	1.45	0.96
2.08	2.09	6.867	1.45	5.067	5.95	23.65	1.45	0.96
2.09	2.10	6.867	1.45	5.000	5.95	23.69	1.45	0.96
2.10	2.11	6.867	1.45	4.933	5.95	23.73	1.45	0.96
2.11	2.12	6.867	1.45	4.867	5.95	23.77	1.45	0.96
2.12	2.13	6.867	1.45	4.800	5.95	23.81	1.45	0.96
2.13	2.14	6.867	1.45	4.733	5.95	23.85	1.45	0.96
2.14	2.15	6.867	1.45	4.667	5.95	23.89	1.45	0.96
2.15	2.16	6.867	1.45	4.600	5.95	23.93	1.45	0.96
2.16	2.17	6.867	1.45	4.533	5.95	23.97	1.45	0.96
2.17	2.18	6.867	1.45	4.467	5.95	24.01	1.45	0.96
2.18	2.19	6.867	1.45	4.400	5.95	24.05	1.45	0.96
2.19	2.20	6.867	1.45	4.333	5.95	24.09	1.45	0.96
2.20	2.21	6.867	1.45	4.267	5.95	24.13	1.45	0.96
2.21	2.22	6.867	1.45	4.200	5.95	24.17	1.45	0.96
2.22	2.23	6.867	1.45	4.133	5.95	24.21	1.45	0.96
2.23	2.24	6.867	1.45	4.067	5.95	24.25	1.45	0.96
2.24	2.25	6.867	1.45	4.000	5.95	24.29	1.45	0.96
2.25	2.26	6.867	1.45	3.933	5.95	24.33	1.45	0.96
2.26	2.27	6.867	1.45	3.867	5.95	24.37	1.45	0.96
2.27	2.28	6						

2.533	1.04	8.567	2.09	14.609	2.41	20.63	0.96
2.567	1.04	8.600	2.17	14.633	2.41	20.67	0.96
2.600	1.04	8.633	2.25	14.657	2.41	20.71	0.96
2.633	1.04	8.667	2.32	14.700	2.41	20.75	0.96
2.667	1.04	8.700	2.40	14.743	2.41	20.79	0.96
2.700	1.04	8.733	2.48	14.787	2.41	20.83	0.96
2.733	1.04	8.767	2.55	14.830	2.41	20.87	0.96
2.767	1.04	8.800	2.62	14.873	2.41	20.91	0.96
2.800	1.04	8.833	2.70	14.917	2.41	20.95	0.96
2.833	1.04	8.867	2.77	14.960	2.41	20.99	0.96
2.867	1.04	8.900	2.85	15.003	2.41	21.03	0.96
2.900	1.04	8.933	2.92	15.047	2.41	21.07	0.96
2.933	1.04	8.967	3.00	15.090	2.41	21.11	0.96
2.967	1.04	9.000	3.07	15.133	2.41	21.15	0.96
3.000	1.04	9.033	3.15	15.177	2.41	21.19	0.96
3.033	1.04	9.067	3.22	15.220	2.41	21.23	0.96
3.067	1.04	9.100	3.30	15.263	2.41	21.27	0.96
3.100	1.04	9.133	3.37	15.307	2.41	21.31	0.96
3.133	1.04	9.167	3.45	15.350	2.41	21.35	0.96
3.167	1.04	9.200	3.52	15.393	2.41	21.39	0.96
3.200	1.04	9.233	3.60	15.437	2.41	21.43	0.96
3.233	1.04	9.267	3.67	15.480	2.41	21.47	0.96
3.267	1.04	9.300	3.75	15.523	2.41	21.51	0.96
3.300	1.04	9.333	3.82	15.567	2.41	21.55	0.96
3.333	1.04	9.367	3.90	15.610	2.41	21.59	0.96
3.367	1.04	9.400	3.97	15.653	2.41	21.63	0.96
3.400	1.04	9.433	4.05	15.697	2.41	21.67	0.96
3.433	1.04	9.467	4.12	15.740	2.41	21.71	0.96
3.467	1.04	9.500	4.20	15.783	2.41	21.75	0.96
3.500	1.04	9.533	4.27	15.827	2.41	21.79	0.96
3.533	1.04	9.567	4.35	15.870	2.41	21.83	0.96
3.567	1.04	9.600	4.42	15.913	2.41	21.87	0.96
3.600	1.04	9.633	4.50	15.957	2.41	21.91	0.96
3.633	1.04	9.667	4.57	16.000	2.41	21.95	0.96
3.667	1.04	9.700	4.65	16.043	2.41	21.99	0.96
3.700	1.04	9.733	4.72	16.087	2.41	22.03	0.96
3.733	1.04	9.767	4.80	16.130	2.41	22.07	0.96
3.767	1.04	9.800	4.87	16.173	2.41	22.11	0.96
3.800	1.04	9.833	4.95	16.217	2.41	22.15	0.96
3.833	1.04	9.867	5.02	16.260	2.41	22.19	0.96
3.867	1.04	9.900	5.10	16.303	2.41	22.23	0.96
3.900	1.04	9.933	5.17	16.347	2.41	22.27	0.96
3.933	1.04	9.967	5.25	16.390	2.41	22.31	0.96
3.967	1.04	10.000	5.32	16.433	2.41	22.35	0.96
4.000	1.04	10.033	5.40	16.477	2.41	22.39	0.96
4.033	1.20	10.067	5.47	16.520	2.41	22.43	0.96
4.067	1.20	10.100	5.55	16.563	2.41	22.47	0.96
4.100	1.20	10.133	5.62	16.607	2.41	22.51	0.96
4.133	1.20	10.167	5.70	16.650	2.41	22.55	0.96
4.167	1.20	10.200	5.77	16.693	2.41	22.59	0.96
4.200	1.20	10.233	5.85	16.737	2.41	22.63	0.96
4.233	1.20	10.267	5.92	16.780	2.41	22.67	0.96
4.267	1.20	10.300	6.00	16.823	2.41	22.71	0.96
4.300	1.20	10.333	6.07	16.867	2.41	22.75	0.96
4.333	1.20	10.367	6.15	16.910	2.41	22.79	0.96
4.367	1.20	10.400	6.22	16.953	2.41	22.83	0.96
4.400	1.20	10.433	6.30	16.997	2.41	22.87	0.96
4.433	1.20	10.467	6.37	17.040	2.41	22.91	0.96
4.467	1.20	10.500	6.45	17.083	2.41	22.95	0.96
4.500	1.20	10.533	6.52	17.127	2.41	22.99	0.96
4.533	1.20	10.567	6.60	17.170	2.41	23.03	0.96
4.567	1.20	10.600	6.67	17.213	2.41	23.07	0.96
4.600	1.20	10.633	6.75	17.257	2.41	23.11	0.96
4.633	1.20	10.667	6.82	17.300	2.41	23.15	0.96
4.667	1.20	10.700	6.90	17.343	2.41	23.19	0.96
4.700	1.20	10.733	6.97	17.387	2.41	23.23	0.96
4.733	1.20	10.767	7.05	17.430	2.41	23.27	0.96
4.767	1.20	10.800	7.12	17.473	2.41	23.31	0.96
4.800	1.20	10.833	7.20	17.517	2.41	23.35	0.96
4.833	1.20	10.867	7.27	17.560	2.41	23.39	0.96
4.867	1.20	10.900	7.35	17.603	2.41	23.43	0.96
4.900	1.20	10.933	7.42	17.647	2.41	23.47	0.96
4.933	1.20	10.967	7.50	17.690	2.41	23.51	0.96
4.967	1.20	11.000	7.57	17.733	2.41	23.55	0.96
5.000	1.20	11.033	7.65	17.777	2.41	23.59	0.96
5.033	1.20	11.067	7.72	17.820	2.41	23.63	0.96
5.067	1.20	11.100	7.80	17.863	2.41	23.67	0.96
5.100	1.20	11.133	7.87	17.907	2.41	23.71	0.96
5.133	1.20	11.167	7.95	17.950	2.41	23.75	0.96
5.167	1.20	11.200	8.02	17.993	2.41	23.79	0.96
5.200	1.20	11.233	8.10	18.037	2.41	23.83	0.96
5.233	1.20	11.267	8.17	18.080	2.41	23.87	0.96
5.267	1.20	11.300	8.25	18.123	2.41	23.91	0.96
5.300	1.20	11.333	8.32	18.167	2.41	23.95	0.96
5.333	1.20	11.367	8.40	18.210	2.41	23.99	0.96
5.367	1.20	11.400	8.47	18.253	2.41	24.03	0.96
5.400	1.20	11.433	8.55	18.297	2.41	24.07	0.96
5.433	1.20	11.467	8.62	18.340	2.41	24.11	0.96
5.467	1.20	11.500	8.70	18.383	2.41	24.15	0.96
5.500	1.20	11.533	8.77	18.427	2.41	24.19	0.96
5.533	1.20	11.567	8.85	18.470	2.41	24.23	0.96
5.567	1.20	11.600	8.92	18.513	2.41	24.27	0.96
5.600	1.20	11.633	9.00	18.557	2.41	24.31	0.96
5.633	1.20	11.667	9.07	18.600	2.41	24.35	0.96
5.667	1.20	11.700	9.15	18.643	2.41	24.39	0.96
5.700	1.20	11.733	9.22	18.687	2.41	24.43	0.96
5.733	1.20	11.767	9.30	18.730	2.41	24.47	0.96
5.767	1.20	11.800	9.37	18.773	2.41	24.51	0.96
5.800	1.20	11.833	9.45	18.817	2.41	24.55	0.96
5.833	1.20	11.867	9.52	18.860	2.41	24.59	0.96
5.867	1.20	11.900	9.60	18.903	2.41	24.63	0.96
5.900	1.20	11.933	9.67	18.947	2.41	24.67	0.96
5.933	1.20	11.967	9.75	18.990	2.41	24.71	0.96
5.967	1.20	12.000	9.82	19.033	2.41	24.75	0.96
6.000	1.20	12.033	9.90	19.077	2.41	24.79	0.96
6.033	1.20	12.067	9.97	19.120	2.41	24.83	0.96
6.067	1.20	12.100	10.05	19.163	2.41	24.87	0.96
6.100	1.20	12.133	10.12	19.207	2.41	24.91	0.96
6.133	1.20	12.167	10.20	19.250	2.41	24.95	0.96
6.167	1.20	12.200	10.27	19.293	2.41	24.99	0.96
6.200	1.20	12.233	10.35	19.337	2.41	25.03	0.96
6.233	1.20	12.267	10.42	19.380	2.41	25.07	0.96
6.267	1.20	12.300	10.50	19.423	2.41	25.11	0.96
6.300	1.20	12.333	10.57	19.467	2.41	25.15	0.96
6.333	1.20	12.367	10.65	19.510	2.41	25.19	0.96
6.367	1.20	12.400	10.72	19.553	2.41	25.23	0.96
6.400	1.20	12.433	10.80	19.597	2.41	25.27	0.96
6.433	1.20	12.467	10.87	19.640	2.41	25.31	0.96
6.467	1.20	12.500	10.95	19.683	2.41	25.35	0.96
6.500	1.20	12.533	11.02	19.727	2.41	25.39	0.96
6.533	1.20	12.567	11.10	19.770	2.41	25.43	0.96
6.567	1.20	12.600	11.17	19.813	2.41	25.47	0.96
6.600	1.20	12.633	11.25	19.857	2.41	25.51	0.96
6.633	1.20	12.667	11.32	19.900	2.41	25.55	0.96
6.667	1.20	12.700	11.40	19.943	2.41	25.59	0.96
6.700	1.20	12.733	11.47	19.987	2.41	25.63	0.96
6.733	1.20	12.767	11.55	20.030	2.41	25.67	0.96
6.767	1.20	12.800	11.62	20.073	2.41	25.71	0.96
6.800	1.20	12.833	11.70	20.117	2.41	25.75	0.96
6.833	1.20	12.867	11.77	20.160	2.41	25.79	0.96
6.867	1.20	12.900	11.85	20.203	2.41	25.83	0.96
6.900	1.20	12.933	11.92	20.247	2.41	25.87	0.96
6.933	1.20	12.967	12.00	20.290	2.41	25.91	0.96
6.967	1.20	13.000	12.07	20.333	2.41	25.95	0.96
7.000	1.20	13.033	12.15	20.377	2.41	25.99	0.96
7.033	1.20	13.067	12.22	20.420	2.41	26.03	0.96
7.067	1.20	13.100	12.30	20.463	2.41	26.07	0.96
7.100	1.20	13.133	12.37	20.507	2.41	26.11	0.96
7.133	1.20	13.167	12.45	20.550	2.41	26.15	0.96
7.167	1.20	13.200	12.52	20.593	2.41	26.19	0.96
7.200	1.20	13.233	12.60	20.637	2.41	26.23	0.96
7.233	1.20	13.267	12.67	20.680	2.41	26.27	0.96
7.267	1.20	13.300	12.75	20.723	2.41	26.31	0.96
7.300	1.20	13.333	12.82	20.767	2.41	26.35	0.96
7.333	1.20	13.367	12.90	20.810	2.41	26.39	0.96
7.367	1.20	13.400	12.97	20.853	2.41	26.43	0.96
7.400	1.20	13.433	13.05	20.897	2.41	26.47	0.96
7.433	1.20	13.467	13.12	20.940	2.41	26.51	0.96
7.467	1.20	13.500	13.20	20.983	2.41	26.55	

3.833	1.04	9.867	2.89	15.999	2.41	21.93	0.96
3.867	1.04	9.989	2.89	15.933	2.41	21.97	0.96
3.901	1.04	10.111	2.89	15.867	2.41	22.01	0.96
3.933	1.04	9.967	2.89	16.000	2.41	22.03	0.96
3.967	1.04	10.089	2.89	16.933	2.41	22.07	0.96
4.000	1.04	10.067	2.89	16.867	2.41	22.11	0.96
4.033	1.04	10.000	2.89	16.800	2.41	22.13	0.96
4.067	1.04	10.109	3.29	16.733	1.45	22.17	0.96
4.100	1.04	10.181	3.29	16.667	1.45	22.21	0.96
4.133	1.29	10.123	3.78	16.600	1.45	22.23	0.96
4.167	1.29	10.280	3.78	16.533	1.45	22.27	0.96
4.200	1.29	10.233	3.78	16.467	1.45	22.30	0.96
4.233	1.29	10.300	3.78	16.400	1.45	22.33	0.96
4.267	1.29	10.389	3.78	16.333	1.45	22.37	0.96
4.300	1.29	10.333	3.78	16.267	1.45	22.40	0.96
4.333	1.29	10.400	3.78	16.200	1.45	22.42	0.96
4.367	1.29	10.467	3.78	16.133	1.45	22.47	0.96
4.400	1.29	10.433	3.78	16.067	1.45	22.50	0.96
4.433	1.29	10.500	3.78	16.000	1.45	22.53	0.96
4.467	1.29	10.567	3.78	15.933	1.45	22.57	0.96
4.500	1.29	10.533	3.78	15.867	1.45	22.60	0.96
4.533	1.29	10.600	4.38	15.800	1.45	22.67	0.96
4.567	1.29	10.633	4.98	15.733	1.45	22.70	0.96
4.600	1.29	10.667	4.98	15.667	1.45	22.72	0.96
4.633	1.29	10.700	4.98	15.600	1.45	22.77	0.96
4.667	1.29	10.767	4.98	15.533	1.45	22.80	0.96
4.700	1.29	10.733	4.98	15.467	1.45	22.83	0.96
4.733	1.29	10.800	4.98	15.400	1.45	22.88	0.96
4.767	1.29	10.833	4.98	15.333	1.45	22.93	0.96
4.800	1.29	10.867	4.98	15.267	1.45	22.96	0.96
4.833	1.29	10.933	4.98	15.200	1.45	23.00	0.96
4.867	1.29	10.967	4.98	15.133	1.45	23.06	0.96
4.900	1.29	11.000	4.98	15.067	1.45	23.10	0.96
4.933	1.29	11.033	4.98	15.000	1.45	23.13	0.96
4.967	1.29	11.067	4.98	14.933	1.45	23.16	0.96
5.000	1.29	11.133	7.71	14.867	1.45	23.20	0.96
5.033	1.29	11.167	7.71	14.800	1.45	23.23	0.96
5.067	1.29	11.200	7.71	14.733	1.45	23.26	0.96
5.100	1.29	11.233	7.71	14.667	1.45	23.30	0.96
5.133	1.29	11.267	7.71	14.600	1.45	23.33	0.96
5.167	1.29	11.300	7.71	14.533	1.45	23.37	0.96
5.200	1.29	11.333	7.71	14.467	1.45	23.40	0.96
5.233	1.29	11.367	7.71	14.400	1.45	23.43	0.96
5.267	1.29	11.400	7.71	14.333	1.45	23.47	0.96
5.300	1.29	11.433	7.71	14.267	1.45	23.50	0.96
5.333	1.29	11.467	7.71	14.200	1.45	23.53	0.96
5.367	1.29	11.500	7.71	14.133	1.45	23.57	0.96
5.400	1.29	11.533	7.71	14.067	1.45	23.60	0.96
5.433	1.29	11.567	7.71	14.000	1.45	23.63	0.96
5.467	1.29	11.600	15.77	13.933	1.45	23.67	0.96
5.500	1.29	11.633	15.77	13.867	1.45	23.70	0.96
5.533	1.29	11.667	23.78	13.800	1.45	23.73	0.96
5.567	1.29	11.700	23.78	13.733	1.45	23.77	0.96
5.600	1.29	11.733	23.78	13.667	1.45	23.80	0.96
5.633	1.29	11.767	23.78	13.600	1.45	23.83	0.96
5.667	1.29	11.800	23.78	13.533	1.45	23.87	0.96
5.700	1.29	11.833	23.78	13.467	1.45	23.90	0.96
5.733	1.29	11.867	23.78	13.400	1.45	23.93	0.96
5.767	1.29	11.900	23.78	13.333	1.45	23.97	0.96
5.800	1.29	11.933	23.78	13.267	1.45	24.00	0.96
5.833	1.29	11.967	23.78	13.200	1.45	24.03	0.96
5.867	1.29	12.000	23.78	13.133	1.45	24.07	0.96
5.900	1.29	12.033	23.78	13.067	1.45	24.10	0.96
5.933	1.29	12.067	23.78	13.000	1.45	24.13	0.96

117

5.967 1.29 12.099 98.35 18.633 1.45 24.97 0.96
6.000 1.29 12.033 98.35 18.677 1.45 24.10 0.48
6.033 1.29 12.067 98.35 18.100 1.45
Unit Hyd Qpeak (cms)= 1.765
PEAK FLOW (cms)= 1.041 (1)
TIME TO PEAK (hrs)= 12.380
TOTAL RAINFALL (mm)= 89.350
RUNOFF COEFFICIENT = 0.478
(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0016) AREA OREAK TPEAK R.V.
+ ID1= 1 (002) : 14.73 1.041 12.38 38.38
+ ID2= 2 (003) : 4.62 0.478 12.38 38.38
ID = 3 (0016) : 19.35 1.436 12.27 38.38

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

***** DETAILED OUTPUT *****

Input filename: C:\Program Files (x86)\Visual QTHYMO 6.2\VO2\VO1n.dat

Output filename:

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

DATE: 10/29/2024

USER:

TIME: 04:15:11

Revised: 2007/05/22 Smart City Water, Inc

Copyright 2007/05/22 Smart City Water, Inc

All rights reserved.

***** DETAILED OUTPUT *****

Input filename: C:\Program Files (x86)\Visual QTHYMO 6.2\VO2\VO1n.dat

Output filename:

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

DATE: 10/29/2024

USER:

TIME: 04:15:11

Revised: 2007/05/22 Smart City Water, Inc

Copyright 2007/05/22 Smart City Water, Inc

All rights reserved.

***** DETAILED OUTPUT *****

Input filename: C:\Program Files (x86)\Visual QTHYMO 6.2\VO2\VO1n.dat

Output filename:

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

DATE: 10/29/2024

USER:

TIME: 04:15:11

Revised: 2007/05/22 Smart City Water, Inc

Copyright 2007/05/22 Smart City Water, Inc

All rights reserved.

***** DETAILED OUTPUT *****

Input filename: C:\Program Files (x86)\Visual QTHYMO 6.2\VO2\VO1n.dat

Output filename:

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

DATE: 10/29/2024

USER:

TIME: 04:15:11

Revised: 2007/05/22 Smart City Water, Inc

Copyright 2007/05/22 Smart City Water, Inc

All rights reserved.

***** DETAILED OUTPUT *****

Input filename: C:\Program Files (x86)\Visual QTHYMO 6.2\VO2\VO1n.dat

Output filename:

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

DATE: 10/29/2024

USER:

TIME: 04:15:11

Revised: 2007/05/22 Smart City Water, Inc

Copyright 2007/05/22 Smart City Water, Inc

All rights reserved.

***** DETAILED OUTPUT *****

Input filename: C:\Program Files (x86)\Visual QTHYMO 6.2\VO2\VO1n.dat

Output filename:

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

DATE: 10/29/2024

USER:

TIME: 04:15:11

Revised: 2007/05/22 Smart City Water, Inc

Copyright 2007/05/22 Smart City Water, Inc

All rights reserved.

***** DETAILED OUTPUT *****

Input filename: C:\Program Files (x86)\Visual QTHYMO 6.2\VO2\VO1n.dat

Output filename:

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

DATE: 10/29/2024

USER:

TIME: 04:15:11

Revised: 2007/05/22 Smart City Water, Inc

Copyright 2007/05/22 Smart City Water, Inc

All rights reserved.

***** DETAILED OUTPUT *****

Input filename: C:\Program Files (x86)\Visual QTHYMO 6.2\VO2\VO1n.dat

Output filename:

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

DATE: 10/29/2024

USER:

TIME: 04:15:11

Revised: 2007/05/22 Smart City Water, Inc

Copyright 2007/05/22 Smart City Water, Inc

All rights reserved.

***** DETAILED OUTPUT *****

Input filename: C:\Program Files (x86)\Visual QTHYMO 6.2\VO2\VO1n.dat

Output filename:

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

C:\Users\FmeLick\AppData\Local\ClvCn\WMS\ee1fe344-48f5-416c-bec2-dede8d38cf6\3602

7bb-360b-47c4-aed4-b30bc446528\scn

DATE: 10/29/2024

USER:

TIME: 04:15:11

0.533 7.10 1.333 35.64 2.133 2.93 9.67 2.93 5.32
0.567 7.10 1.367 83.55 2.167 2.97 9.67 2.97 5.28
0.603 7.69 1.403 97.41 2.203 3.03 9.67 3.03 4.99
0.637 7.69 1.437 111.28 2.237 3.07 9.67 3.07 4.99
0.673 8.48 1.473 43.82 2.273 3.16 9.67 3.16 2.50
0.707 8.84 1.507 43.82 2.307 7.57
0.743 9.28 1.543 35.74 2.343 7.57
0.777 8.84 1.577 43.82 2.377 7.57
0.813 9.28 1.613 35.74 2.413 7.57
0.847 9.28 1.647 35.74 2.447 7.57
0.883 9.28 1.683 35.74 2.483 7.57
0.917 9.28 1.717 35.74 2.517 7.57
0.953 9.28 1.753 35.74 2.553 7.57
0.987 9.28 1.787 35.74 2.587 7.57
1.023 9.28 1.823 35.74 2.623 7.57
1.057 9.28 1.857 35.74 2.657 7.57
1.093 9.28 1.893 35.74 2.693 7.57
1.127 9.28 1.927 35.74 2.727 7.57
1.163 9.28 1.963 35.74 2.763 7.57
1.197 9.28 1.997 35.74 2.797 7.57
1.233 9.28 2.033 35.74 2.833 7.57
1.267 9.28 2.067 35.74 2.867 7.57
1.303 9.28 2.103 35.74 2.903 7.57
1.337 9.28 2.137 35.74 2.937 7.57
1.373 9.28 2.173 35.74 2.973 7.57
1.407 9.28 2.207 35.74 3.007 7.57
1.443 9.28 2.243 35.74 3.043 7.57
1.477 9.28 2.277 35.74 3.077 7.57
1.513 9.28 2.313 35.74 3.113 7.57
1.547 9.28 2.347 35.74 3.147 7.57
1.583 9.28 2.383 35.74 3.183 7.57
1.617 9.28 2.417 35.74 3.217 7.57
1.653 9.28 2.453 35.74 3.253 7.57
1.687 9.28 2.487 35.74 3.287 7.57
1.723 9.28 2.523 35.74 3.323 7.57
1.757 9.28 2.557 35.74 3.357 7.57
1.793 9.28 2.593 35.74 3.393 7.57
1.827 9.28 2.627 35.74 3.427 7.57
1.863 9.28 2.663 35.74 3.463 7.57
1.897 9.28 2.697 35.74 3.497 7.57
1.933 9.28 2.733 35.74 3.533 7.57
1.967 9.28 2.767 35.74 3.567 7.57
2.003 9.28 2.803 35.74 3.603 7.57
2.037 9.28 2.837 35.74 3.637 7.57
2.073 9.28 2.873 35.74 3.673 7.57
2.107 9.28 2.907 35.74 3.707 7.57
2.143 9.28 2.943 35.74 3.743 7.57
2.177 9.28 2.977 35.74 3.777 7.57
2.213 9.28 3.013 35.74 3.813 7.57
2.247 9.28 3.047 35.74 3.847 7.57
2.283 9.28 3.083 35.74 3.883 7.57
2.317 9.28 3.117 35.74 3.917 7.57
2.353 9.28 3.153 35.74 3.953 7.57
2.387 9.28 3.187 35.74 3.987 7.57
2.423 9.28 3.223 35.74 4.023 7.57
2.457 9.28 3.257 35.74 4.057 7.57
2.493 9.28 3.293 35.74 4.093 7.57
2.527 9.28 3.327 35.74 4.127 7.57
2.563 9.28 3.363 35.74 4.163 7.57
2.597 9.28 3.397 35.74 4.197 7.57
2.633 9.28 3.433 35.74 4.233 7.57
2.667 9.28 3.467 35.74 4.267 7.57
2.703 9.28 3.503 35.74 4.303 7.57
2.737 9.28 3.537 35.74 4.337 7.57
2.773 9.28 3.573 35.74 4.373 7.57
2.807 9.28 3.607 35.74 4.407 7.57
2.843 9.28 3.643 35.74 4.443 7.57
2.877 9.28 3.677 35.74 4.477 7.57
2.913 9.28 3.713 35.74 4.513 7.57
2.947 9.28 3.747 35.74 4.547 7.57
2.983 9.28 3.783 35.74 4.583 7.57
3.017 9.28 3.817 35.74 4.617 7.57
3.053 9.28 3.853 35.74 4.653 7.57
3.087 9.28 3.887 35.74 4.687 7.57
3.123 9.28 3.923 35.74 4.723 7.57
3.157 9.28 3.957 35.74 4.757 7.57
3.193 9.28 3.993 35.74 4.793 7.57
3.227 9.28 4.027 35.74 4.827 7.57
3.263 9.28 4.063 35.74 4.863 7.57
3.297 9.28 4.097 35.74 4.897 7.57
3.333 9.28 4.133 35.74 4.933 7.57
3.367 9.28 4.167 35.74 4.967 7.57
3.403 9.28 4.203 35.74 5.003 7.57
3.437 9.28 4.237 35.74 5.037 7.57
3.473 9.28 4.273 35.74 5.073 7.57
3.507 9.28 4.307 35.74 5.107 7.57
3.543 9.28 4.343 35.74 5.143 7.57
3.577 9.28 4.377 35.74 5.177 7.57
3.613 9.28 4.413 35.74 5.213 7.57
3.647 9.28 4.447 35.74 5.247 7.57
3.683 9.28 4.483 35.74 5.283 7.57
3.717 9.28 4.517 35.74 5.317 7.57
3.753 9.28 4.553 35.74 5.353 7.57
3.787 9.28 4.587 35.74 5.387 7.57
3.823 9.28 4.623 35.74 5.423 7.57
3.857 9.28 4.657 35.74 5.457 7.57
3.893 9.28 4.693 35.74 5.493 7.57
3.927 9.28 4.727 35.74 5.527 7.57
3.963 9.28 4.763 35.74 5.563 7.57
3.997 9.28 4.797 35.74 5.597 7.57
4.033 9.28 4.833 35.74 5.633 7.57
4.067 9.28 4.867 35.74 5.667 7.57
4.103 9.28 4.903 35.74 5.703 7.57
4.137 9.28 4.937 35.74 5.737 7.57
4.173 9.28 4.973 35.74 5.773 7.57
4.207 9.28 5.007 35.74 5.807 7.57
4.243 9.28 5.043 35.74 5.843 7.57
4.277 9.28 5.077 35.74 5.877 7.57
4.313 9.28 5.113 35.74 5.913 7.57
4.347 9.28 5.147 35.74 5.947 7.57
4.383 9.28 5.183 35.74 5.983 7.57
4.417 9.28 5.217 35.74 6.017 7.57
4.453 9.28 5.253 35.74 6.053 7.57
4.487 9.28 5.287 35.74 6.087 7.57
4.523 9.28 5.323 35.74 6.123 7.57
4.557 9.28 5.357 35.74 6.157 7.57
4.593 9.28 5.393 35.74 6.193 7.57
4.627 9.28 5.427 35.74 6.227 7.57
4.663 9.28 5.463 35.74 6.263 7.57
4.697 9.28 5.497 35.74 6.297 7.57
4.733 9.28 5.533 35.74 6.333 7.57
4.767 9.28 5.567 35.74 6.367 7.57
4.803 9.28 5.603 35.74 6.403 7.57
4.837 9.28 5.637 35.74 6.437 7.57
4.873 9.28 5.673 35.74 6.473 7.57
4.907 9.28 5.707 35.74 6.507 7.57
4.943 9.28 5.743 35.74 6.543 7.57
4.977 9.28 5.777 35.74 6.577 7.57
5.013 9.28 5.813 35.74 6.613 7.57
5.047 9.28 5.847 35.74 6.647 7.57
5.083 9.28 5.883 35.74 6.683 7.57
5.117 9.28 5.917 35.74 6.717 7.57
5.153 9.28 5.953 35.74 6.753 7.57
5.187 9.28 5.987 35.74 6.787 7.57
5.223 9.28 6.023 35.74 6.823 7.57
5.257 9.28 6.057 35.74 6.857 7.57
5.293 9.28 6.093 35.74 6.893 7.57
5.327 9.28 6.127 35.74 6.927 7.57
5.363 9.28 6.163 35.74 6.963 7.57
5.397 9.28 6.197 35.74 6.997 7.57
5.433 9.28 6.233 35.74 7.033 7.57
5.467 9.28 6.267 35.74 7.067 7.57
5.503 9.28 6.303 35.74 7.103 7.57
5.537 9.28 6.337 35.74 7.137 7.57
5.573 9.28 6.373 35.74 7.173 7.57
5.607 9.28 6.407 35.74 7.207 7.57
5.643 9.28 6.443 35.74 7.243 7.57
5.677 9.28 6.477 35.74 7.277 7.57
5.713 9.28 6.513 35.74 7.313 7.57
5.747 9.28 6.547 35.74 7.347 7.57
5.783 9.28 6.583 35.74 7.383 7.57
5.817 9.28 6.617 35.74 7.417 7.57
5.853 9.28 6.653 35.74 7.453 7.57
5.887 9.28 6.687 35.74 7.487 7.57
5.923 9.28 6.723 35.74 7.523 7.57
5.957 9.28 6.757 35.74 7.557 7.57
5.993 9.28 6.793 35.74 7.593 7.57
6.027 9.28 6.827 35.74 7.627 7.57
6.063 9.28 6.863 35.74 7.663 7.57
6.097 9.28 6.897 35.74 7.697 7.57
6.133 9.28 6.933 35.74 7.733 7.57
6.167 9.28 6.967 35.74 7.767 7.57
6.203 9.28 7.003 35.74 7.803 7.57
6.237 9.28 7.037 35.74 7.837 7.57
6.273 9.28 7.073 35.74 7.873 7.57
6.307 9.28 7.107 35.74 7.907 7.57
6.343 9.28 7.143 35.74 7.943 7.57
6.377 9.28 7.177 35.74 7.977 7.57
6.413 9.28 7.213 35.74 8.013 7.57
6.447 9.28 7.247 35.74 8.047 7.57
6.483 9.28 7.283 35.74 8.083 7.57
6.517 9.28 7.317 35.74 8.117 7.57
6.553 9.28 7.353 35.74 8.153 7.57
6.587 9.28 7.387 35.74 8.187 7.57
6.623 9.28 7.423 35.74 8.223 7.57
6.657 9.28 7.457 35.74 8.257 7.57
6.693 9.28 7.493 35.74 8.293 7.57
6.727 9.28 7.527 35.74 8.327 7.57
6.763 9.28 7.563 35.74 8.363 7.57
6.797 9.28 7.597 35.74 8.397 7.57
6.833 9.28 7.633 35.74 8.433 7.57
6.867 9.28 7.667 35.74 8.467 7.57
6.903 9.28 7.703 35.74 8.503 7.57
6.937 9.28 7.737 35.74 8.537 7.57
6.973 9.28 7.773 35.74 8.573 7.57
7.007 9.28 7.807 35.74 8.607 7.57
7.043 9.28 7.843 35.74 8.643 7.57
7.077 9.28 7.877 35.74 8.677 7.57
7.113 9.28 7.913 35.74 8.713 7.57
7.147 9.28 7.947 35.74 8.747 7.57
7.183 9.28 7.983 35.74 8.783 7.57
7.217 9.28 8.017 35.74 8.817 7.57
7.253 9.28 8.053 35.74 8.853 7.57
7.287 9.28 8.087 35.74 8.887 7.57
7.323 9.28 8.123 35.74 8.923 7.57
7.357 9.28 8.157 35.74 8.957 7.57
7.393 9.28 8.193 35.74 8.993 7.57
7.427 9.28 8.227 35.74 9.027 7.57
7.463 9.28 8.263 35.74 9.063 7.57
7.497 9.28 8.297 35.74 9.097 7.57
7.533 9.28 8.333 35.74 9.133 7.57
7.567 9.28 8.367 35.74 9.167 7.57
7.603 9.28 8.403 35.74 9.203 7.57
7.637 9.28 8.437 35.74 9.237 7.57
7.673 9.28 8.473 35.74 9.273 7.57
7.707 9.28 8.507 35.74 9.307 7.57
7.743 9.28 8.543 35.74 9.343 7.57
7.777 9.28 8.577 35.74 9.377 7.57
7.813 9.28 8.613 35.74 9.413 7.57
7.847 9.28 8.647 35.74 9.447 7.57
7.883 9.28 8.683 35.74 9.483 7.57
7.917 9.28 8.717 35.74 9.517 7.57
7.953 9.28 8.753 35.74 9.553 7.57
7.987 9.28 8.787 35.74 9.587 7.57
8.023 9.28 8.823 35.74 9.623 7.57
8.057 9.28 8.857 35.74 9.657 7.57
8.093 9.28 8.893 35.74 9.693 7.57
8.127 9.28 8.927 35.74 9.727 7.57
8.163 9.28 8.963 35.74 9.763 7.57
8.197 9.28 8.997 35.74 9.797 7.57
8.233 9.28 9.033 35.74 9.833 7.57
8.267 9.28 9.067 35.74 9.867 7.57
8.303 9.28 9.103 35.74 9.903 7.57
8.337 9.28 9.137 35.74 9.937 7.57
8.373 9.28 9.173 35.74 9.973 7.57
8.407 9.28 9.207 35.74 10.007 7.57
8.443 9.28 9.243 35.74 10.043 7.57
8.477 9.28 9.277 35.74 10.077 7.57
8.513 9.28 9.313 35.74 10.113 7.57
8.547 9.28 9.347 35.74 10.147 7.57
8.583 9.28 9.383 35.74 10.183 7.57
8.617 9.28 9.417 35.74 10.217 7.57
8.653 9.28 9.453 35.74 10.253 7.57
8.687 9.28 9.487 35.74 10.287 7.57
8.723 9.28 9.523 35.74 10.323 7.57
8.757 9.28 9.557 35.74 10.357 7.57
8.793 9.28 9.593 35.74 10.393 7.57
8.827 9.28 9.627 35.74 10.427 7.57
8.863 9.28 9.663 35.74 10.463 7.57
8.897 9.28 9.697 35.74 10.497 7.57
8.933 9.28 9.733 35.74 10.533 7.57
8.967 9.28 9.767 35.74 10.567 7.57
9.003 9.28 9.803 35.74 10.603 7.57
9.037 9.28 9.837 35.74 10.637 7.57
9.073 9.28 9.873 35.74 10.673 7.57
9.107 9.28 9.907 35.74 10.707 7.57
9.143 9.28 9.943 35.74 10.743 7.57
9.177 9.28 9.977 35.74 10.777 7.57
9.213 9.28 10.013 35.74 10.813 7.57
9.247 9.28 10.047 35.74 10.847 7.57
9.283 9.28 10.083 35.74 10.883 7.57
9.317 9.28 10.117 35.74 10.917 7.57
9.353 9.28 10.153 35.74 10.953 7.57
9.387 9.28 10.187 35.74 10.987 7.57
9.423 9.28 10.223 35.74 11.023 7.57
9.457 9.28 10.257 35.74 11.057 7.57
9.493 9.28 10.293 35.74 11.093 7.57
9.527 9.28 10.327 35.74 11.127 7.57
9.563 9.28 10.363 35.74 11.163 7.57
9.597 9.28 10.397 35.74 11.197 7.57
9.633 9.28 10.433 35.74 11.233 7.57
9.667 9.28 10.467 35.74 11.267 7.57
9.703 9.28 10.503 35.74 11.303 7.57
9.737 9.28 10.537 35.74 11.337 7.57
9.773 9.28 10.573 35.74 11.373 7.57
9.807 9.28 10.607 35.74 11.407 7.57
9.843 9.28 10.643 35.74 11.443 7.57
9.877 9.28 10.677 35.74 11.477 7.57
9.913 9.28 10.713 35.74 11.513 7.57
9.947 9.28 10.747 35.74 11.547 7.57
9.983 9.28 10.783 35.74 11.583 7.57
10.017 9.28 10.817 35.74 11.617 7.57
10.053 9.28 10.853 35.74 11.653 7.57
10.087 9.28 10.887 35.74 11.687 7.57
10.123 9.28 10.923 35.74 11.723 7.57
10.157 9.28 10.957 35.74 11.757 7.57
10.193 9.28 10.993 35.74 11.793 7.57
10.227 9.28 11.027 35.74 11.827 7.57
10.263 9.28 11.063 35.74 11.863 7.57
10.297 9.28 11.097 35.74 11.897 7.57
10.333 9.28 11.133 35.74 11.933 7.57
10.367 9.28 11.167 35.74 11.967 7.57
10.403 9.28 11.203 35.74 12.003 7.57
10.437 9.28 11.237 35.74 12.037 7.57
10.473 9.28 11.273 35.74 12.073 7.57
10.507 9.28 11.307 35.74 12.107 7.57
10.543 9.28 11.343 35.74 12.143 7.57
10.577 9.28 11.377 35.74 12.177 7.57
10.613 9.28 11.413 35.74 12.213 7.57
10.647 9.28 11.447 35.74 12.247 7.57
10.683 9.28 11.483 35.74 12.283 7.57
10.717 9.28 11.517 35.74 12.317 7.57
10.753 9.28 11.553 35.74 12.353 7.57
10.787 9.28 11.587 35.74 12.387 7.57
10.823 9.28 11.623 35.74 12.423 7.57
10.857 9.28 11.657 35.74 12.457 7.57
10.893 9.28 11.693 35.74 12.493 7.57
10.927 9.28 11.727 35.74 12.527 7.57
10.963 9.28 11.763 35.74 12.563 7.57
10.997 9.28 11.797 35.74 12.597 7.57
11.033 9.28 11.833 35.74 12.633 7.57
11.067 9.28 11.867 35.74 12.667 7.57
11.103 9.28 11.903 35.74 12.703 7.57
11.137 9.28 11.937 35.74 12.737 7.57
11.173 9.28 11.973 35.74 12.773 7.57
11.207 9.28 12.007 35.74 12.807 7.57
11.243 9.28 12.043 35.74 12.843 7.57
11.277 9.28 12.077 35.74 12.877 7.57
11.313 9.28 12.113 35.74 12.913 7.57
11.347 9.28 12.147 35.74 12.947 7.57
11.383 9.28 12.183 35.74 12.983 7.57
11.417 9.28 12.217 35.74 13.017 7.57
11.453 9.28 12.253 35.74 13.053 7.57
11.487 9.28 12.287 35.74 13.087 7.57
11.523 9.28 12.323 35.74 13.123 7.57
11.557 9.28 12.357 35.74 13.157 7.57
11.593 9.28 12.393 35.74 13.193 7.57
11.627 9.28 12.427 35.74 13.227 7.57
11.663 9.28 12.463 35.74 13.263 7.57
11.697 9.28 12.497 35.74 13.297 7.57
11.733 9.28 12.533 35.74 13.333 7.57
11.767 9.28 12.567 35.74 13.367 7.57
11.803 9.28 12.603 35.74 13.403 7.57
11.837 9.28 12.637 35.74 13.437 7.57
11.873 9.28 12.673 35.74 13.473 7.57
11.907 9.28 12.707 35.74 13.507 7.57
11.943 9.28 12.743 35.74 13.543 7.57
11.977 9.28 12.777 35.74 13.577 7.57
12.013 9.28 12.813 35.74 13.613 7.57
12.047 9.28 12.847 35.74 13.647 7.57
12.083 9.28 12.883 35.74 13.683 7.57
12.117 9.28 12.917 35.74 13.717 7.57
12.153 9.28 12.953 35.74 13.753 7.57
12.187 9.28 12.987 35.74 13.787 7.57
12.223 9.28 13.023 35.74 13.823 7.57
12.257 9.28 13.057 35.74 13.857 7.57
12.293 9.28 13.093 35.74 13.893 7.57
12.327 9.28 13.127 35.74 13.927 7.57
12.363 9.28 13.163 35.74 13.963 7.57
12.397 9.28 13.197 35.74 13.997 7.57
12.433 9.28 13.233 35.74 14.033 7.57
12.467 9.28 13.267 35.74 14.067 7.57
12.503 9.28 13.303 35.74 14.1

0.700	1.03	6.733	1.69	12.767	6.94	18.80	1.69	1.33
0.733	1.03	6.767	1.69	12.800	6.94	18.83	1.69	1.33
0.767	1.03	6.800	1.69	12.833	6.94	18.86	1.69	1.33
0.800	1.03	6.833	1.69	12.867	6.94	18.90	1.69	1.33
0.833	1.03	6.867	1.69	12.900	6.94	18.93	1.69	1.33
0.867	1.03	6.900	1.69	12.933	6.94	18.96	1.69	1.33
0.900	1.03	6.933	1.69	12.967	6.94	19.00	1.69	1.33
0.933	1.03	6.967	1.69	13.000	6.94	19.03	1.69	1.33
0.967	1.03	7.000	1.69	13.033	6.94	19.06	1.69	1.33
1.000	1.03	7.033	1.69	13.067	6.94	19.10	1.69	1.33
1.033	1.03	7.067	1.69	13.100	6.94	19.13	1.69	1.33
1.067	1.03	7.100	1.69	13.133	6.94	19.17	1.69	1.33
1.100	1.03	7.133	1.69	13.167	6.94	19.20	1.69	1.33
1.133	1.03	7.167	1.69	13.200	6.94	19.23	1.69	1.33
1.167	1.03	7.200	1.69	13.233	6.94	19.27	1.69	1.33
1.200	1.03	7.233	1.69	13.267	6.94	19.30	1.69	1.33
1.233	1.03	7.267	1.69	13.300	6.94	19.33	1.69	1.33
1.267	1.03	7.300	1.69	13.333	6.94	19.37	1.69	1.33
1.300	1.03	7.333	1.69	13.367	6.94	19.40	1.69	1.33
1.333	1.03	7.367	1.69	13.400	6.94	19.43	1.69	1.33
1.367	1.03	7.400	1.69	13.433	6.94	19.47	1.69	1.33
1.400	1.03	7.433	1.69	13.467	6.94	19.50	1.69	1.33
1.433	1.03	7.467	1.69	13.500	6.94	19.53	1.69	1.33
1.467	1.03	7.500	1.69	13.533	6.94	19.57	1.69	1.33
1.500	1.03	7.533	1.69	13.567	6.94	19.60	1.69	1.33
1.533	1.03	7.567	1.69	13.600	6.94	19.63	1.69	1.33
1.567	1.03	7.600	1.69	13.633	6.94	19.67	1.69	1.33
1.600	1.03	7.633	1.69	13.667	6.94	19.70	1.69	1.33
1.633	1.03	7.667	1.69	13.700	6.94	19.73	1.69	1.33
1.667	1.03	7.700	1.69	13.733	6.94	19.77	1.69	1.33
1.700	1.03	7.733	1.69	13.767	6.94	19.80	1.69	1.33
1.733	1.03	7.767	1.69	13.800	6.94	19.83	1.69	1.33
1.767	1.03	7.800	1.69	13.833	6.94	19.87	1.69	1.33
1.800	1.03	7.833	1.69	13.867	6.94	19.90	1.69	1.33
1.833	1.03	7.867	1.69	13.900	6.94	19.93	1.69	1.33
1.867	1.03	7.900	1.69	13.933	6.94	19.97	1.69	1.33
1.900	1.03	7.933	1.69	13.967	6.94	20.00	1.69	1.33
1.933	1.03	7.967	1.69	14.000	6.94	20.03	1.69	1.33
1.967	1.03	8.000	1.69	14.033	6.94	20.07	1.69	1.33
2.000	1.03	8.033	1.69	14.067	6.94	20.10	1.69	1.33
2.033	1.03	8.067	1.69	14.100	6.94	20.13	1.69	1.33
2.067	1.03	8.100	1.69	14.133	6.94	20.17	1.69	1.33
2.100	1.03	8.133	1.69	14.167	6.94	20.20	1.69	1.33
2.133	1.03	8.167	1.69	14.200	6.94	20.23	1.69	1.33
2.167	1.03	8.200	1.69	14.233	6.94	20.27	1.69	1.33
2.200	1.03	8.233	1.69	14.267	6.94	20.30	1.69	1.33
2.233	1.03	8.267	1.69	14.300	6.94	20.33	1.69	1.33
2.267	1.03	8.300	1.69	14.333	6.94	20.37	1.69	1.33
2.300	1.03	8.333	1.69	14.367	6.94	20.40	1.69	1.33
2.333	1.03	8.367	1.69	14.400	6.94	20.43	1.69	1.33
2.367	1.03	8.400	1.69	14.433	6.94	20.47	1.69	1.33
2.400	1.03	8.433	1.69	14.467	6.94	20.50	1.69	1.33
2.433	1.03	8.467	1.69	14.500	6.94	20.53	1.69	1.33
2.467	1.03	8.500	1.69	14.533	6.94	20.57	1.69	1.33
2.500	1.03	8.533	1.69	14.567	6.94	20.60	1.69	1.33
2.533	1.03	8.567	1.69	14.600	6.94	20.63	1.69	1.33
2.567	1.03	8.600	1.69	14.633	6.94	20.67	1.69	1.33
2.600	1.03	8.633	1.69	14.667	6.94	20.70	1.69	1.33
2.633	1.03	8.667	1.69	14.700	6.94	20.73	1.69	1.33
2.667	1.03	8.700	1.69	14.733	6.94	20.77	1.69	1.33
2.700	1.03	8.733	1.69	14.767	6.94	20.80	1.69	1.33
2.733	1.03	8.767	1.69	14.800	6.94	20.83	1.69	1.33
2.767	1.03	8.800	1.69	14.833	6.94	20.87	1.69	1.33
2.800	1.03	8.833	1.69	14.867	6.94	20.90	1.69	1.33

129

4.967	1.50	11.000	5.82	17.033	1.69	23.07	1.13	1.69
5.000	1.50	11.033	5.82	17.067	1.69	23.10	1.13	1.69
5.033	1.50	11.067	5.82	17.100	1.69	23.13	1.13	1.69
5.067	1.50	11.100	5.82	17.133	1.69	23.17	1.13	1.69
5.100	1.50	11.133	5.82	17.167	1.69	23.20	1.13	1.69
5.133	1.50	11.167	5.82	17.200	1.69	23.23	1.13	1.69
5.167	1.50	11.200	5.82	17.233	1.69	23.27	1.13	1.69
5.200	1.50	11.233	5.82	17.267	1.69	23.30	1.13	1.69
5.233	1.50	11.267	5.82	17.300	1.69	23.33	1.13	1.69
5.267	1.50	11.300	5.82	17.333	1.69	23.37	1.13	1.69
5.300	1.50	11.333	5.82	17.367	1.69	23.40	1.13	1.69
5.333	1.50	11.367	5.82	17.400	1.69	23.43	1.13	1.69
5.367	1.50	11.400	5.82	17.433	1.69	23.47	1.13	1.69
5.400	1.50	11.433	5.82	17.467	1.69	23.50	1.13	1.69
5.433	1.50	11.467	5.82	17.500	1.69	23.53	1.13	1.69
5.467	1.50	11.500	5.82	17.533	1.69	23.57	1.13	1.69
5.500	1.50	11.533	5.82	17.567	1.69	23.60	1.13	1.69
5.533	1.50	11.567	5.82	17.600	1.69	23.63	1.13	1.69
5.567	1.50	11.600	5.82	17.633	1.69	23.67	1.13	1.69
5.600	1.50	11.633	5.82	17.667	1.69	23.70	1.13	1.69
5.633	1.50	11.667	5.82	17.700	1.69	23.73	1.13	1.69
5.667	1.50	11.700	5.82	17.733	1.69	23.77	1.13	1.69
5.700	1.50	11.733	5.82	17.767	1.69	23.80	1.13	1.69
5.733	1.50	11.767	5.82	17.800	1.69	23.83	1.13	1.69
5.767	1.50	11.800	5.82	17.833	1.69	23.87	1.13	1.69
5.800	1.50	11.833	5.82	17.867	1.69	23.90	1.13	1.69
5.833	1.50	11.867	5.82	17.900	1.69	23.93	1.13	1.69
5.867	1.50	11.900	5.82	17.933	1.69	23.97	1.13	1.69
5.900	1.50	11.933	5.82	17.967	1.69	24.00	1.13	1.69
5.933	1.50	11.967	5.82	18.000	1.69	24.03	1.13	1.69
5.967	1.50	12.000	5.82	18.033	1.69	24.07	1.13	1.69
6.000	1.50	12.033	5.82	18.067	1.69	24.10	1.13	1.69
6.033	1.50	12.067	5.82	18.100	1.69	24.13	1.13	1.69

131

2.833	1.22	8.867	2.63	14.500	2.81	20.93	1.13	1.33
2.867	1.22	8.900	2.63	14.533	2.81	20.97	1.13	1.33
2.900	1.22	8.933	2.63	14.567	2.81	21.00	1.13	1.33
2.933	1.22	8.967	2.63	14.600	2.81	21.03	1.13	1.33
2.967	1.22	9.000	2.63	14.633	2.81	21.07	1.13	1.33
3.000	1.22	9.033	2.63	14.667	2.81	21.10	1.13	1.33
3.033	1.22	9.067	2.63	14.700	2.81	21.13	1.13	1.33
3.067	1.22	9.100	2.63	14.733	2.81	21.17	1.13	1.33
3.100	1.22	9.133	2.63	14.767	2.81	21.20	1.13	1.33
3.133	1.22	9.167	2.63	14.800	2.81	21.23	1.13	1.33
3.167	1.22	9.200	2.63	14.833	2.81	21.27	1.13	1.33
3.200	1.22	9.233	2.63	14.867	2.81	21.30	1.13	1.33
3.233	1.22	9.267	2.63	14.900	2.81	21.33	1.13	1.33
3.267	1.22	9.300	2.63	14.933	2.81	21.37	1.13	1.33
3.300	1.22	9.333	2.63	14.967	2.81	21.40	1.13	1.33
3.333	1.22	9.367	2.63	15.000	2.81	21.43	1.13	1.33
3.367	1.22	9.400	2.63	15.033	2.81	21.47	1.13	1.33
3.400	1.22	9.433	2.63	15.067	2.81	21.50	1.13	1.33
3.433	1.22	9.467	2.63	15.100	2.81	21.53	1.13	1.33
3.467	1.22	9.500	2.63	15.133	2.81	21.57	1.13	1.33
3.500	1.22	9.533	2.63	15.167	2.81	21.60	1.13	1.33
3.533	1.22	9.567	2.63	15.200	2.81	21.63	1.13	1.33
3.567	1.22	9.600	2.63	15.233	2.81	21.67	1.13	1.33
3.600	1.22	9.633	2.63	15.267	2.81	21.70	1.13	1.33
3.633	1.22	9.667	2.63	15.300	2.81	21.73	1.13	1.33
3.667	1.22	9.700	2.63	15.333	2.81	21.77	1.13	1.33
3.700	1.22	9.733	2.63	15.367	2.81	21.80	1.13	1.33
3.733	1.22	9.767	2.63	15.400	2.81	21.83	1.13	1.33
3.767	1.22	9.800	2.63	15.433	2.81	21.87	1.13	1.33
3.800	1.22	9.833	2.63	15.467	2.81	21.90	1.13	1.33
3.833	1.22	9.867	2.63	15.500	2.81	21.93	1.13	1.33
3.867	1.22	9.900	2.63	15.533	2.81	21.97	1.13	1.33
3.900	1.22	9.933	2.63	15.567	2.81	22.00	1.13	1.33
3.933	1.22	9.967	2.63	15.600	2.81	22.03	1.13	1.33
3.967	1.22	10.000	2.63	15.633	2.81	22.07	1.13	1.33
4.000	1.22	10.033	2.63	15.667	2.81	22.10	1.13	1.33
4.033	1.22	10.067	2.63	15.700	2.81	22.13	1.13	1.33
4.067	1.22	10.100	2.63	15.733	2.81	22.17	1.13	1.33
4.100	1.22	10.133	2.63	15.767	2.81	22.20	1.13	1.33
4.133	1.22	10.167	2.63	15.800	2.81	22.23	1.13	1.33
4.167	1.22	10.200	2.63	15.833	2.81	22.27	1.13	1.33
4.200	1.22	10.233	2.63	15.867	2.81	22.30	1.13	1.33
4.233	1.22	10.267	2.63	15.900	2.81	22.33	1.13	1.33
4.267	1.22	10.300	2.63	15.933	2.81	22.37	1.13	1.33
4.300	1.22	10.333	2.63	15.967	2.81	22.40	1.13	1.33
4.333	1.22	10.367	2.63	16.000	2.81	22.43	1.13	1.33
4.367	1.22	10.400	2.63	16.033	2.81	22.47	1.13	1.33
4.400	1.22	10.433	2.63	16.067	2.81	22.50	1.13	1.33
4.433	1.22	10.467	2.63	16.100	2.81	22.53	1.13	1.33
4.467	1.22	10.500	2.63	16.133	2.81	22.57	1.13	1.33
4.500	1.22	10.533	2.63	16.167	2.81	22.60	1.13	1.33
4.533	1.22	10.567	2.63	16.200	2.81	22.63	1.13	1.33
4.567	1.22	10.600	2.63	16.233	2.81	22.67	1.13	1.33
4.600	1.22	10.633	2.63	16.267	2.81	22.70	1.13	1.33
4.633	1.22	10.667	2.63	16.300	2.81	22.73	1.13	1.33
4.667	1.22	10.700	2.63	16.333	2.81	22.77	1.13	1.33
4.700	1.22	10.733	2.63	16.367	2.81	22.80	1.13	1.33
4.733	1.22	10.767	2.63	16.400	2.81	22.83	1.13	1.33
4.767	1.22	10.800	2.63	16.433	2.81	22.87	1.13	1.33
4.800	1.22	10.833	2.63	16.467	2.81	22.90	1.13	1.33
4.833	1.22	10.867	2.63	16.500	2.81	22.93	1.13	1.33
4.867	1.22	10.900	2.63	16.533	2.81	22.97	1.13	1.33
4.900	1.22	10.933	2.63	16.567	2.81	23.00	1.13	1.33
4.933	1.22	10.967	2.63	16.600	2.81	23.03	1.13	1.33

[illegible]

133

CALIB STANDHYD (0104) ID= 1 DT= 1.0 min	Area (ha) = 0.95 Total Imp(%) = 53.00 Dir. Conn.(%) = 26.00 IMPERVIOUS PERVIOUS (1)
--	---

134

[illegible]

135

1.950	1.603	7.983	2.06	14.017	9.94	20.05	1.69	3.017	1.22	9.959	2.63	15.083	2.81	21.12	1.13
1.967	1.603	8.009	2.06	14.033	9.94	20.07	1.69	3.067	1.22	9.967	2.63	15.109	2.81	21.13	1.13
2.001	1.603	8.033	2.06	14.067	9.94	20.10	1.13	3.067	1.22	9.968	2.63	15.133	2.81	21.17	1.13
2.067	1.603	8.059	2.06	14.083	9.94	20.12	1.13	3.067	1.22	9.968	2.63	15.159	2.81	21.18	1.13
2.086	1.603	8.083	2.07	14.117	2.01	20.15	1.13	3.117	1.22	9.958	2.63	15.183	2.81	21.22	1.13
2.097	1.603	8.109	2.07	14.133	2.01	20.17	1.13	3.117	1.22	9.958	2.63	15.209	2.81	21.23	1.13
2.108	1.603	8.133	2.07	14.159	2.01	20.20	1.13	3.167	1.22	9.968	2.63	15.233	2.81	21.27	1.13
2.117	1.22	8.159	2.44	14.183	2.01	20.22	1.13	3.167	1.22	9.968	2.63	15.259	2.81	21.28	1.13
2.133	1.22	8.167	2.44	14.209	2.01	20.23	1.13	3.209	1.22	9.958	2.63	15.277	2.81	21.29	1.13
2.147	1.22	8.183	2.44	14.233	2.01	20.27	1.13	3.209	1.22	9.958	2.63	15.303	2.81	21.33	1.13
2.167	1.22	8.209	2.44	14.259	2.01	20.27	1.13	3.253	1.22	9.967	2.63	15.308	2.81	21.33	1.13
2.183	1.22	8.217	2.44	14.259	2.01	20.28	1.13	3.269	1.22	9.968	2.63	15.317	2.81	21.35	1.13
2.207	1.22	8.267	2.44	14.309	2.01	20.33	1.13	3.269	1.22	9.968	2.63	15.367	2.81	21.39	1.13
2.227	1.22	8.267	2.44	14.333	2.01	20.32	1.13	3.269	1.22	9.968	2.63	15.367	2.81	21.41	1.13
2.257	1.22	8.309	2.44	14.333	2.01	20.37	1.13	3.353	1.22	9.967	2.63	15.408	2.81	21.43	1.13
2.283	1.22	8.317	2.44	14.359	2.01	20.38	1.13	3.353	1.22	9.968	2.63	15.417	2.81	21.45	1.13
2.307	1.22	8.359	2.44	14.383	2.01	20.42	1.13	3.353	1.22	9.968	2.63	15.458	2.81	21.46	1.13
2.333	1.22	8.367	2.44	14.409	2.01	20.43	1.13	3.409	1.22	9.958	2.63	15.467	2.81	21.49	1.13
2.357	1.22	8.409	2.44	14.433	2.01	20.47	1.13	3.409	1.22	9.958	2.63	15.508	2.81	21.51	1.13
2.383	1.22	8.417	2.44	14.459	2.01	20.48	1.13	3.459	1.22	9.948	2.63	15.517	2.81	21.55	1.13
2.409	1.22	8.453	2.44	14.467	2.01	20.49	1.13	3.467	1.22	9.949	2.63	15.533	2.81	21.57	1.13
2.469	1.22	8.483	2.44	14.517	2.01	20.55	1.13	3.517	1.22	9.959	2.63	15.583	2.81	21.62	1.13
2.469	1.22	8.467	2.44	14.509	2.01	20.53	1.13	3.509	1.22	9.953	2.63	15.567	2.81	21.60	1.13
2.483	1.22	8.517	2.44	14.559	2.01	20.58	1.13	3.559	1.22	9.963	2.63	15.617	2.81	21.65	1.13
2.509	1.22	8.553	2.44	14.557	2.01	20.60	1.13	3.567	1.22	9.969	2.63	15.633	2.81	21.67	1.13
2.553	1.22	8.567	2.44	14.609	2.01	20.63	1.13	3.609	1.22	9.953	2.63	15.667	2.81	21.70	1.13
2.559	1.22	8.583	2.44	14.617	2.01	20.65	1.13	3.617	1.22	9.959	2.63	15.683	2.81	21.72	1.13
2.583	1.22	8.617	2.63	14.659	2.01	20.68	1.13	3.667	1.22	9.963	2.63	15.717	2.81	21.75	1.13
2.609	1.22	8.633	2.63	14.667	2.01	20.70	1.13	3.667	1.22	9.969	2.63	15.733	2.81	21.77	1.13
2.633	1.22	8.667	2.63	14.703	2.01	20.73	1.13	3.709	1.22	9.953	2.63	15.767	2.81	21.80	1.13
2.659	1.22	8.683	2.63	14.717	2.01	20.75	1.13	3.717	1.22	9.959	2.63	15.833	2.81	21.82	1.13
2.683	1.22	8.709	2.63	14.753	2.01	20.77	1.13	3.753	1.22	9.967	2.63	15.869	2.81	21.83	1.13
2.683	1.22	8.709	2.63	14.753	2.01	20.77	1.13	3.753	1.22	9.967	2.63	15.869	2.81	21.83	1.13
2.709	1.22	8.733	2.63	14.767	2.01	20.80	1.13	3.767	1.22	9.969	2.63	15.833	2.81	21.87	1.13
2.717	1.22	8.769	2.63	14.783	2.01	20.82	1.13	3.783	1.22	9.917	2.63	15.869	2.81	21.88	1.13
2.759	1.22	8.783	2.63	14.817	2.01	20.85	1.13	3.817	1.22	9.959	2.63	15.863	2.81	21.92	1.13
2.767	1.22	8.809	2.63	14.833	2.01	20.87	1.13	3.833	1.22	9.967	2.63	15.909	2.81	21.93	1.13
2.809	1.22	8.833	2.63	14.867	2.01	20.90	1.13	3.867	1.22	9.969	2.63	15.933	2.81	21.97	1.13
2.817	1.22	8.859	2.63	14.883	2.01	20.92	1.13	3.883	1.22	9.917	2.63	15.969	2.81	21.98	1.13
2.859	1.22	8.883	2.63	14.917	2.01	20.95	1.13	3.917	1.22	9.959	2.63	15.963	2.81	22.02	1.13
2.887	1.22	8.909	2.63	14.933	2.01	20.97	1.13	3.933	1.22	9.967	2.63	16.009	2.81	22.03	1.13
2.909	1.22	8.933	2.63	14.959	2.01	21.00	1.13	3.967	1.22	10.003	2.63	16.033	2.81	22.07	1.13
2.967	1.22	8.959	2.63	14.983	2.01	21.02	1.13	3.983	1.22	10.017	2.63	16.069	2.81	22.08	1.13
2.967	1.22	8.959	2.63	14.983	2.01	21.02	1.13	3.983	1.22	10.017	2.63	16.069	2.81	22.08	1.13
2.983	1.22	9.009	2.63	15.017	2.01	21.05	1.13	4.009	1.22	10.053	2.63	16.069	2.81	22.13	1.13
2.987	1.22	9.009	2.63	15.017	2.01	21.07	1.13	4.033	1.22	10.067	2.63	16.069	1.69	22.13	1.13
2.987	1.22	9.017	2.63	15.059	2.01	21.08	1.13	4.033	1.22	10.067	2.63	16.069	1.69	22.13	1.13
3.009	1.22	9.035	2.63	15.059	2.01	21.10	1.13	4.067	1.22	10.100	2.63	16.133	1.69	22.17	1.13

137

138

4.883	1.250	10.117	4.322	16.159	1.693	22.18	1.133	5.159	1.590	11.183	9.011	17.217	1.693	23.25	1.133
4.109	1.590	10.133	4.322	16.167	1.693	22.22	1.133	5.163	1.590	11.217	9.011	17.233	1.693	23.27	1.133
4.113	1.590	10.167	4.322	16.200	1.693	22.25	1.133	5.183	1.590	11.259	9.011	17.267	1.693	23.30	1.133
4.159	1.590	10.183	4.322	16.217	1.693	22.26	1.133	5.217	1.590	11.283	9.011	17.283	1.693	23.32	1.133
4.183	1.590	10.209	4.322	16.233	1.693	22.27	1.133	5.233	1.590	11.267	9.011	17.309	1.693	23.33	1.133
4.209	1.590	10.233	4.322	16.267	1.693	22.28	1.133	5.267	1.590	11.300	9.011	17.333	1.693	23.37	1.133
4.233	1.590	10.259	4.322	16.283	1.693	22.32	1.133	5.283	1.590	11.317	9.011	17.359	1.693	23.38	1.133
4.259	1.590	10.283	4.322	16.317	1.693	22.33	1.133	5.299	1.590	11.333	9.011	17.383	1.693	23.40	1.133
4.267	1.590	10.309	4.322	16.333	1.693	22.35	1.133	5.317	1.590	11.359	9.011	17.383	1.693	23.42	1.133
4.309	1.590	10.333	4.322	16.367	1.693	22.38	1.133	5.333	1.590	11.367	9.011	17.409	1.693	23.44	1.133
4.317	1.590	10.369	4.322	16.383	1.693	22.42	1.133	5.383	1.590	11.417	9.011	17.459	1.693	23.48	1.133
4.367	1.590	10.409	4.322	16.417	1.693	22.45	1.133	5.433	1.590	11.467	9.011	17.509	1.693	23.53	1.133
4.399	1.590	10.433	4.322	16.433	1.693	22.47	1.133	5.459	1.590	11.483	9.011	17.533	1.693	23.57	1.133
4.417	1.590	10.459	4.322	16.467	1.693	22.52	1.133	5.483	1.590	11.517	9.011	17.569	1.693	23.58	1.133
4.459	1.590	10.483	4.322	16.483	1.693	22.53	1.133	5.509	1.590	11.523	9.011	17.583	1.693	23.59	1.133
4.468	1.590	10.509	4.322	16.517	1.693	22.57	1.133	5.533	1.590	11.567	9.011	17.609	1.693	23.63	1.133
4.489	1.590	10.517	4.322	16.559	1.693	22.58	1.133	5.569	1.590	11.583	9.011	17.633	1.693	23.65	1.133
4.517	1.590	10.559	4.322	16.583	1.693	22.62	1.133	5.609	1.590	11.617	27.771	17.659	1.693	23.68	1.133
4.533	1.590	10.567	4.322	16.609	1.693	22.63	1.133	5.583	1.590	11.623	27.771	17.667	1.693	23.70	1.133
4.567	1.590	10.617	4.322	16.659	1.693	22.67	1.133	5.633	1.590	11.667	27.771	17.709	1.693	23.73	1.133
4.617	1.590	10.659	4.322	16.683	1.693	22.72	1.133	5.663	1.590	11.717	27.771	17.759	1.693	23.78	1.133
4.633	1.590	10.667	4.322	16.709	1.693	22.73	1.133	5.709	1.590	11.733	27.771	17.767	1.693	23.80	1.133
4.657	1.590	10.709	4.322	16.733	1.693	22.77	1.133	5.733	1.590	11.769	27.771	17.809	1.693	23.83	1.133
4.683	1.590	10.717	4.322	16.759	1.693	22.78	1.133	5.769	1.590	11.783	27.771	17.817	1.693	23.85	1.133
4.713	1.590	10.759	4.322	16.783	1.693	22.82	1.133	5.783	1.590	11.817	27.771	17.859	1.693	23.88	1.133
4.733	1.590	10.767	4.322	16.809	1.693	22.83	1.133	5.809	1.590	11.833	27.771	17.867	1.693	23.90	1.133
4.759	1.590	10.809	4.322	16.833	1.693	22.87	1.133	5.833	1.590	11.869	114.641	17.909	1.693	23.93	1.133
4.767	1.590	10.809	4.322	16.833	1.693	22.87	1.133	5.859	1.590	11.883	114.641	17.917	1.693	23.95	1.133
4.783	1.590	10.817	4.322	16.859	1.693	22.88	1.133	5.869	1.590	11.893	114.641	17.917	1.693	23.95	1.133
4.817	1.590	10.859	4.322	16.883	1.693	22.92	1.133	5.893	1.590	11.917	114.641	17.959	1.693	23.98	1.133
4.817	1.590	10.859	4.322	16.883	1.693	22.92	1.133	5.909	1.590	11.933	114.641	17.967	1.693	24.00	1.133
4.833	1.590	10.867	4.322	16.909	1.693	22.93	1.133	5.933	1.590	11.967	114.641	18.009	1.693	24.03	1.133
4.867	1.590	10.909	4.322	16.933	1.693	22.95	1.133	5.959	1.590	11.983	114.641	18.037	1.693	24.06	1.133
4.883	1.590	10.917	4.322	16.959	1.693	22.98	1.133	5.983	1.590	11.983	114.641	18.037	1.693	24.06	1.133
4.917	1.590	10.959	4.322	16.983	1.693	23.03	1.133	5.983	1.590	12.017	114.641	18.067	1.693	24.09	1.133
4.933	1.590	10.967	4.322	17.009	1.693	23.03	1.133	5.983	1.590	12.017	114.641	18.067	1.693	24.09	1.133
4.967	1.590	11.009	4.322	17.033	1.693	23.07	1.133	5.983	1.590	12.017	114.641	18.067	1.693	24.09	1.133
4.967	1.590	11.009	4.322	17.033	1.693	23.07	1.133	5.983	1.590	12.017	114.641	18.067	1.693	24.09	1.133
4.983	1.590	11.017	4.322	17.059	1.693	23.08	1.133	5.983	1.590	12.017	114.641	18.067	1.693	24.09	1.133
4.983	1.590	11.017	4.322	17.059	1.693	23.08	1.133	5.983	1.590	12.017	114.641	18.067	1.693	24.09	1.133
5.017	1.590	11.059	4.322	17.083	1.693	23.13	1.133	5.983	1.590	12.017	114.641	18.067	1.693	24.09	1.133
5.033	1.590	11.067	4.322	17.109	1.693	23.13	1.133	5.983	1.590	12.017	114.641	18.067	1.693	24.09	1.133
5.059	1.590	11.083	4.322	17.133	1.693	23.18	1.133	5.983	1.590	12.017	114.641	18.067	1.693	24.09	1.133
5.059	1.590	11.083	4.322	17.133	1.693	23.18	1.133	5.983	1.590	12.017	114.641	18.067	1.693	24.09	1.133
5.083	1.590	11.117	4.322	17.159	1.693	23.18	1.133	5.983	1.590	12.017	114.641	18.067	1.693	24.09	1.133
5.109	1.590	11.133	4.322	17.183	1.693	23.29	1.133	5.983	1.590	12.017	114.641	18.067	1.693	24.09	1.133
5.133	1.590	11.167	4.322	17.209	1.693	23.25	1.133	5.983	1.590	12.017	114.641	18.067	1.693	24.09	1.133
5.133	1.590	11.167	4.322	17.209	1.693	23.25	1.133	5.983	1.590	12.017	114.641	18.067	1.693	24.09	1.133
															TOTALS
															9.198 (111)
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92
															68.92

TOTAL RAINFALL (mm) = 93.82 93.82 93.82
RUNOFF COEFFICIENT = 0.99 0.65 0.73

(1) CN PROCEDURE SELECTED FOR PREVIOUS LOSSES :
(11) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL TO
THAN THE STORAGE COEFFICIENT.
(111) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB (0.017) Area (ha) = 0.15 Curve Number (CN) = 79.0 NASHIO (0.017) (mm) = 6.75 # of Linear Res. (N) = 3.00 ID= 1 DT= 2.0 min I _a TR(hrs) = 0.11									
NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.									
--- TRANSFORMED HYETOGRAPH ---									
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.033	0.00	6.067	1.50	12.100	64.03	18.13	1.69	1.433	7.437
0.067	0.00	6.133	1.50	12.167	13.51	18.20	1.69	1.467	7.503
0.100	0.52	6.167	1.50	12.233	13.51	18.27	1.69	1.500	7.569
0.133	1.03	6.167	1.50	12.260	13.51	18.23	1.69	1.533	7.635
0.167	1.03	6.200	1.50	12.233	13.51	18.27	1.69	1.567	7.701
0.200	1.03	6.267	1.50	12.300	13.51	18.33	1.69	1.600	7.767
0.233	1.03	6.300	1.50	12.333	13.51	18.37	1.69	1.633	7.833
0.267	1.03	6.333	1.50	12.333	13.51	18.37	1.69	1.667	7.899
0.300	1.03	6.367	1.50	12.400	13.51	18.43	1.69	1.700	7.965
0.333	1.03	6.400	1.50	12.433	13.51	18.47	1.69	1.733	8.031
0.367	1.03	6.433	1.50	12.500	13.51	18.53	1.69	1.767	8.097
0.400	1.03	6.467	1.50	12.533	13.51	18.57	1.69	1.800	8.163
0.433	1.03	6.500	1.50	12.567	13.51	18.61	1.69	1.833	8.229
0.467	1.03	6.533	1.50	12.600	13.51	18.65	1.69	1.867	8.295
0.500	1.03	6.567	1.50	12.633	13.51	18.69	1.69	1.900	8.361
0.533	1.03	6.600	1.50	12.667	13.51	18.73	1.69	1.933	8.427
0.567	1.03	6.633	1.50	12.700	13.51	18.77	1.69	1.967	8.493
0.600	1.03	6.667	1.50	12.733	13.51	18.81	1.69	2.000	8.559
0.633	1.03	6.700	1.50	12.767	13.51	18.85	1.69	2.033	8.625
0.667	1.03	6.733	1.50	12.800	13.51	18.89	1.69	2.067	8.691
0.700	1.03	6.800	1.50	12.833	13.51	18.93	1.69	2.100	8.757
0.733	1.03	6.833	1.50	12.867	13.51	18.97	1.69	2.133	8.823
0.767	1.03	6.867	1.50	12.900	13.51	19.01	1.69	2.167	8.889
0.800	1.03	6.900	1.50	12.933	13.51	19.05	1.69	2.200	8.955
0.833	1.03	6.933	1.50	12.967	13.51	19.09	1.69	2.233	9.021
0.867	1.03	6.967	1.50	13.000	13.51	19.13	1.69	2.267	9.087
0.900	1.03	7.000	1.50	13.033	13.51	19.17	1.69	2.300	9.153
0.933	1.03	7.033	1.50	13.067	13.51	19.21	1.69	2.333	9.219
0.967	1.03	7.067	1.50	13.100	13.51	19.25	1.69	2.367	9.285
1.000	1.03	7.100	1.50	13.133	13.51	19.29	1.69	2.400	9.351
1.033	1.03	7.133	1.50	13.167	13.51	19.33	1.69	2.433	9.417
1.067	1.03	7.167	1.50	13.200	13.51	19.37	1.69	2.467	9.483
1.100	1.03	7.200	1.50	13.233	13.51	19.41	1.69	2.500	9.549
1.133	1.03	7.233	1.50	13.267	13.51	19.45	1.69	2.533	9.615
1.167	1.03	7.267	1.50	13.300	13.51	19.49	1.69	2.567	9.681
1.200	1.03	7.300	1.50	13.333	13.51	19.53	1.69	2.600	9.747
1.233	1.03	7.333	1.50	13.367	13.51	19.57	1.69	2.633	9.813
1.267	1.03	7.367	1.50	13.400	13.51	19.61	1.69	2.667	9.879
1.300	1.03	7.400	1.50	13.433	13.51	19.65	1.69	2.700	9.945
1.333	1.03	7.433	1.50	13.467	13.51	19.69	1.69	2.733	10.011
1.367	1.03	7.467	1.50	13.500	13.51	19.73	1.69	2.767	10.077
1.400	1.03	7.500	1.50	13.533	13.51	19.77	1.69	2.800	10.143
1.433	1.03	7.533	1.50	13.567	13.51	19.81	1.69	2.833	10.209
1.467	1.03	7.567	1.50	13.600	13.51	19.85	1.69	2.867	10.275
1.500	1.03	7.600	1.50	13.633	13.51	19.89	1.69	2.900	10.341
1.533	1.03	7.633	1.50	13.667	13.51	19.93	1.69	2.933	10.407
1.567	1.03	7.667	1.50	13.700	13.51	19.97	1.69	2.967	10.473
1.600	1.03	7.700	1.50	13.733	13.51	20.01	1.69	3.000	10.539
1.633	1.03	7.733	1.50	13.767	13.51	20.05	1.69	3.033	10.605
1.667	1.03	7.767	1.50	13.800	13.51	20.09	1.69	3.067	10.671
1.700	1.03	7.800	1.50	13.833	13.51	20.13	1.69	3.100	10.737
1.733	1.03	7.833	1.50	13.867	13.51	20.17	1.69	3.133	10.803
1.767	1.03	7.867	1.50	13.900	13.51	20.21	1.69	3.167	10.869
1.800	1.03	7.900	1.50	13.933	13.51	20.25	1.69	3.200	10.935
1.833	1.03	7.933	1.50	13.967	13.51	20.29	1.69	3.233	11.001
1.867	1.03	7.967	1.50	14.000	13.51	20.33	1.69	3.267	11.067
1.900	1.03	8.000	1.50	14.033	13.51	20.37	1.69	3.300	11.133
1.933	1.03	8.033	1.50	14.067	13.51	20.41	1.69	3.333	11.199
1.967	1.03	8.067	1.50	14.100	13.51	20.45	1.69	3.367	11.265
2.000	1.03	8.100	1.50	14.133	13.51	20.49	1.69	3.400	11.331
2.033	1.03	8.133	1.50	14.167	13.51	20.53	1.69	3.433	11.397
2.067	1.03	8.167	1.50	14.200	13.51	20.57	1.69	3.467	11.463
2.100	1.03	8.200	1.50	14.233	13.51	20.61	1.69	3.500	11.529
2.133	1.03	8.233	1.50	14.267	13.51	20.65	1.69	3.533	11.595
2.167	1.03	8.267	1.50	14.300	13.51	20.69	1.69	3.567	11.661
2.200	1.03	8.300	1.50	14.333	13.51	20.73	1.69	3.600	11.727
2.233	1.03	8.333	1.50	14.367	13.51	20.77	1.69	3.633	11.793
2.267	1.03	8.367	1.50	14.400	13.51	20.81	1.69	3.667	11.859
2.300	1.03	8.400	1.50	14.433	13.51	20.85	1.69	3.700	11.925
2.333	1.03	8.433	1.50	14.467	13.51	20.89	1.69	3.733	11.991
2.367	1.03	8.467	1.50	14.500	13.51	20.93	1.69	3.767	12.057
2.400	1.03	8.500	1.50	14.533	13.51	20.97	1.69	3.800	12.123
2.433	1.03	8.533	1.50	14.567	13.51	21.01	1.69	3.833	12.189
2.467	1.03	8.567	1.50	14.600	13.51	21.05	1.69	3.867	12.255
2.500	1.03	8.600	1.50	14.633	13.51	21.09	1.69	3.900	12.321
2.533	1.03	8.633	1.50	14.667	13.51	21.13	1.69	3.933	12.387
2.567	1.03	8.667	1.50	14.700	13.51	21.17	1.69	3.967	12.453
2.600	1.03	8.700	1.50	14.733	13.51	21.21	1.69	4.000	12.519
2.633	1.03	8.733	1.50	14.767	13.51	21.25	1.69	4.033	12.585
2.667	1.03	8.767	1.50	14.800	13.51	21.29	1.69	4.067	12.651
2.700	1.03	8.800	1.50	14.833	13.51	21.33	1.69	4.100	12.717
2.733	1.03	8.833	1.50	14.867	13.51	21.37	1.69	4.133	12.783
2.767	1.03	8.867	1.50	14.900	13.51	21.41	1.69	4.167	12.849
2.800	1.03	8.900	1.50	14.933	13.51	21.45	1.69	4.200	12.915
2.833	1.03	8.933	1.50	14.967	13.51	21.49	1.69	4.233	12.981
2.867	1.03	8.967	1.50	15.000	13.51	21.53	1.69	4.267	13.047
2.900	1.03	9.000	1.50	15.033	13.51	21.57	1.69	4.300	13.113
2.933	1.03	9.033	1.50	15.067	13.51	21.61	1.69	4.333	13.179
2.967	1.03	9.067	1.50	15.100	13.51	21.65	1.69	4.367	13.245
3.000	1.03	9.100	1.50	15.133	13.51	21.69	1.69	4.400	13.311
3.033	1.03	9.133	1.50	15.167	13.51	21.73	1.69	4.433	13.377
3.067	1.03	9.167	1.50	15.200	13.51	21.77	1.69	4.467	13.443
3.100	1.03	9.200	1.50	15.233	13.51	21.81	1.69	4.500	13.509
3.133	1.03	9.233	1.50	15.267	13.51	21.85	1.69	4.533	13.575
3.167	1.03	9.267	1.50	15.300	13.51	21.89	1.69	4.567	13.641
3.200	1.03	9.300	1.50	15.333	13.51	21.93	1.69	4.600	13.707
3.233	1.03	9.333	1.50	15.367	13.51	21.97	1.69	4.633	13.773
3.267	1.03	9.367	1.50	15.400	13.51	22.01	1.69	4.667	13.839
3.300	1.03	9.400	1.50	15.433	13.51	22.05	1.69	4.700	13.905
3.333	1.03	9.433	1.50	15.467	13.51	22.09	1.69	4.733	13.971
3.367	1.03	9.467	1.50	15.500	13.51	22.13	1.69	4.767	14.037
3.400	1.03	9.500	1.50	15.533	13.51	22.17	1.69	4.800	14.103
3.433	1.03	9.533	1.50	15.567	13.51	22.21	1.69	4.833	14.169
3.467	1.03	9.567	1.50	15.600	13.51	22.25	1.69	4.867	14.235
3.500	1.03	9.600	1.50	15.633	13.51	22.29	1.69	4.900	14.301
3.533	1.03	9.633	1.50	15.667	13.51	22.33	1.69	4.933	14.367
3.567	1.03	9.667	1.50	15.700	13.51	22.37	1.69	4.967	14.433
3.600	1.03	9.700	1.50	15.733	13.51	22.41	1.69	5.000	14.499
3.633	1.03	9.733	1.50	15.767	13.51	22.45	1.69	5.033	14.565
3.667	1.03	9.767	1.50	15.800	13.51	22.49	1.69	5.067	14.631
3.700	1.03	9.800	1.50	15.833	13.51	22.53	1.69	5.100	14.697
3.733	1.03	9.833	1.50	15.867	13.51	22.57	1.69	5.133	14.763
3.767	1.03	9.867	1.50	15.900	13.51	22.61	1.69	5.167	14.829
3.800	1.03	9.900	1.50	15.933	13.51	22.65	1.69	5.200	14.895
3.833	1.03	9.933	1.50	15.967	13.51	22.69	1.69	5.233	14.961
3.867	1.03	9.967	1.50	16.000	13.51	22.73	1.69	5.267	15.027
3.900	1.03	10.000	1.50	16.033	1				

0.967	1.03	7.099	1.69	13.033	6.94	19.07	1.69	1.33
1.009	1.03	7.033	1.69	13.067	6.94	19.16	1.69	1.33
1.051	1.03	7.000	1.69	13.125	6.97	19.12	1.69	1.33
1.097	1.03	7.100	1.69	13.133	6.97	19.17	1.69	1.33
1.149	1.03	7.133	2.06	13.167	6.97	19.26	1.69	1.33
1.201	1.03	7.200	2.06	13.233	6.97	19.27	1.69	1.33
1.257	1.03	7.233	2.06	13.267	6.97	19.37	1.69	1.33
1.309	1.03	7.300	2.06	13.333	6.97	19.37	1.69	1.33
1.360	1.03	7.333	2.06	13.367	6.97	19.48	1.69	1.33
1.393	1.03	7.367	2.06	13.400	6.97	19.43	1.69	1.33
1.460	1.03	7.433	2.06	13.467	6.97	19.56	1.69	1.33
1.497	1.03	7.467	2.06	13.500	6.97	19.53	1.69	1.33
1.560	1.03	7.533	2.06	13.567	6.97	19.66	1.69	1.33
1.593	1.03	7.567	2.06	13.600	6.99	19.63	1.69	1.33
1.660	1.03	7.633	2.06	13.667	6.94	19.70	1.69	1.33
1.693	1.03	7.667	2.06	13.700	6.94	19.73	1.69	1.33
1.760	1.03	7.733	2.06	13.767	6.94	19.80	1.69	1.33
1.793	1.03	7.767	2.06	13.800	6.94	19.83	1.69	1.33
1.860	1.03	7.833	2.06	13.867	6.94	19.90	1.69	1.33
1.893	1.03	7.867	2.06	13.900	6.94	19.93	1.69	1.33
1.967	1.03	7.933	2.06	13.967	6.94	20.07	1.69	1.33
2.000	1.03	7.967	2.06	14.000	6.94	20.03	1.69	1.33
2.067	1.03	8.033	2.06	14.067	6.94	20.17	1.69	1.33
2.133	1.03	8.100	2.06	14.133	6.94	20.13	1.69	1.33
2.167	1.22	8.167	2.44	14.200	6.94	20.23	1.69	1.33
2.233	1.22	8.233	2.44	14.267	6.94	20.27	1.69	1.33
2.267	1.22	8.267	2.44	14.300	6.94	20.33	1.69	1.33
2.333	1.22	8.333	2.44	14.367	6.94	20.43	1.69	1.33
2.367	1.22	8.367	2.44	14.400	6.94	20.47	1.69	1.33
2.433	1.22	8.433	2.44	14.467	6.94	20.53	1.69	1.33
2.467	1.22	8.467	2.44	14.500	6.94	20.57	1.69	1.33
2.533	1.22	8.533	2.44	14.567	6.94	20.69	1.69	1.33
2.567	1.22	8.567	2.44	14.600	6.94	20.66	1.69	1.33
2.633	1.22	8.633	2.44	14.667	6.94	20.76	1.69	1.33
2.667	1.22	8.667	2.44	14.700	6.94	20.73	1.69	1.33
2.733	1.22	8.733	2.44	14.767	6.94	20.83	1.69	1.33
2.767	1.22	8.767	2.44	14.800	6.94	20.87	1.69	1.33
2.833	1.22	8.833	2.44	14.867	6.94	20.97	1.69	1.33
2.867	1.22	8.867	2.44	14.900	6.94	21.03	1.69	1.33
2.933	1.22	8.933	2.44	14.967	6.94	21.13	1.69	1.33
2.967	1.22	8.967	2.44	15.000	6.94	21.16	1.69	1.33
3.033	1.22	9.033	2.44	15.067	6.94	21.23	1.69	1.33
3.067	1.22	9.067	2.44	15.100	6.94	21.27	1.69	1.33

145

3.100	1.22	9.133	2.44	15.167	6.94	21.30	1.69	1.33
3.133	1.22	9.167	2.44	15.200	6.94	21.33	1.69	1.33
3.200	1.22	9.233	2.44	15.267	6.94	21.40	1.69	1.33
3.233	1.22	9.267	2.44	15.300	6.94	21.43	1.69	1.33
3.300	1.22	9.333	2.44	15.367	6.94	21.46	1.69	1.33
3.333	1.22	9.367	2.44	15.400	6.94	21.43	1.69	1.33
3.400	1.22	9.433	2.44	15.467	6.94	21.50	1.69	1.33
3.433	1.22	9.467	2.44	15.500	6.94	21.53	1.69	1.33
3.467	1.22	9.500	2.44	15.533	6.94	21.57	1.69	1.33
3.533	1.22	9.567	2.44	15.600	6.94	21.63	1.69	1.33
3.567	1.22	9.600	2.44	15.633	6.94	21.67	1.69	1.33
3.633	1.22	9.667	2.44	15.700	6.94	21.73	1.69	1.33
3.667	1.22	9.700	2.44	15.733	6.94	21.77	1.69	1.33
3.733	1.22	9.767	2.44	15.800	6.94	21.83	1.69	1.33
3.767	1.22	9.800	2.44	15.833	6.94	21.87	1.69	1.33
3.833	1.22	9.867	2.44	15.900	6.94	21.93	1.69	1.33
3.867	1.22	9.900	2.44	15.933	6.94	21.97	1.69	1.33
3.933	1.22	9.967	2.44	16.000	6.94	22.03	1.69	1.33
3.967	1.22	10.000	2.44	16.033	6.94	22.07	1.69	1.33
4.033	1.22	10.067	2.44	16.100	6.94	22.13	1.69	1.33
4.067	1.22	10.133	2.44	16.167	6.94	22.17	1.69	1.33
4.133	1.22	10.200	2.44	16.233	6.94	22.23	1.69	1.33
4.167	1.22	10.267	2.44	16.300	6.94	22.27	1.69	1.33
4.233	1.22	10.333	2.44	16.367	6.94	22.33	1.69	1.33
4.267	1.22	10.400	2.44	16.400	6.94	22.37	1.69	1.33
4.333	1.22	10.467	2.44	16.467	6.94	22.43	1.69	1.33
4.367	1.22	10.500	2.44	16.500	6.94	22.47	1.69	1.33
4.433	1.22	10.567	2.44	16.567	6.94	22.53	1.69	1.33
4.467	1.22	10.600	2.44	16.600	6.94	22.57	1.69	1.33
4.533	1.22	10.667	2.44	16.667	6.94	22.63	1.69	1.33
4.567	1.22	10.700	2.44	16.700	6.94	22.67	1.69	1.33
4.633	1.22	10.767	2.44	16.767	6.94	22.73	1.69	1.33
4.667	1.22	10.800	2.44	16.800	6.94	22.77	1.69	1.33
4.733	1.22	10.867	2.44	16.867	6.94	22.83	1.69	1.33
4.767	1.22	10.900	2.44	16.900	6.94	22.87	1.69	1.33
4.833	1.22	10.967	2.44	16.967	6.94	22.93	1.69	1.33
4.867	1.22	11.000	2.44	17.000	6.94	22.97	1.69	1.33
4.933	1.22	11.067	2.44	17.067	6.94	23.03	1.69	1.33
4.967	1.22	11.100	2.44	17.100	6.94	23.07	1.69	1.33
5.033	1.22	11.167	2.44	17.167	6.94	23.13	1.69	1.33
5.067	1.22	11.200	2.44	17.200	6.94	23.17	1.69	1.33
5.133	1.22	11.267	2.44	17.267	6.94	23.23	1.69	1.33
5.167	1.22	11.300	2.44	17.300	6.94	23.27	1.69	1.33
5.233	1.22	11.367	2.44	17.367	6.94	23.33	1.69	1.33

146

5.233	1.50	11.267	9.01	17.399	1.69	23.33	1.13	1.69	0.533	1.03	6.567	1.69	12.699	10.22	18.63	1.69
5.267	1.50	11.300	9.01	17.333	1.69	23.37	1.13	1.69	0.567	1.03	6.600	1.69	12.732	10.24	18.67	1.69
5.333	1.50	11.367	9.01	17.466	1.69	23.45	1.13	1.69	0.633	1.03	6.667	1.69	12.766	10.24	18.73	1.69
5.367	1.50	11.400	9.01	17.433	1.69	23.47	1.13	1.69	0.667	1.03	6.700	1.69	12.799	10.24	18.77	1.69
5.433	1.50	11.467	9.01	17.566	1.69	23.56	1.13	1.69	0.733	1.03	6.767	1.69	12.833	10.24	18.83	1.69
5.467	1.50	11.500	9.01	17.533	1.69	23.57	1.13	1.69	0.767	1.03	6.800	1.69	12.866	10.24	18.87	1.69
5.533	1.50	11.567	9.01	17.666	1.69	23.65	1.13	1.69	0.833	1.03	6.867	1.69	12.900	10.24	18.93	1.69
5.567	1.50	11.600	18.41	17.633	1.69	23.67	1.13	1.69	0.867	1.03	6.900	1.69	12.933	10.24	18.97	1.69
5.633	1.50	11.667	18.41	17.766	1.69	23.76	1.13	1.69	0.933	1.03	6.967	1.69	12.966	10.24	19.03	1.69
5.667	1.50	11.700	18.41	17.733	1.69	23.77	1.13	1.69	0.967	1.03	7.000	1.69	13.000	10.24	19.07	1.69
5.733	1.50	11.767	18.41	17.866	1.69	23.85	1.13	1.69	1.033	1.03	7.067	1.69	13.033	10.24	19.13	1.69
5.767	1.50	11.800	18.41	17.833	1.69	23.87	1.13	1.69	1.067	1.03	7.100	1.69	13.066	10.24	19.17	1.69
5.833	1.50	11.867	18.41	17.966	1.69	23.95	1.13	1.69	1.133	1.03	7.167	1.69	13.100	10.24	19.23	1.69
5.867	1.50	11.900	18.41	17.933	1.69	23.97	1.13	1.69	1.167	1.03	7.200	1.69	13.133	10.24	19.27	1.69
5.933	1.50	11.967	18.41	18.066	1.69	24.05	1.13	1.69	1.233	1.03	7.267	1.69	13.166	10.24	19.33	1.69
5.967	1.50	12.000	18.41	18.033	1.69	24.07	1.13	1.69	1.267	1.03	7.300	1.69	13.200	10.24	19.37	1.69
6.033	1.50	12.067	18.41	18.063	1.69	24.16	0.96	0.96	1.333	1.03	7.367	1.69	13.233	10.24	19.43	1.69
6.067	1.50	12.100	18.41	18.030	1.69	24.18	0.96	0.96	1.367	1.03	7.400	1.69	13.266	10.24	19.47	1.69
6.133	1.50	12.167	18.41	18.166	1.69	24.26	0.96	0.96	1.433	1.03	7.467	1.69	13.300	10.24	19.53	1.69
6.167	1.50	12.200	18.41	18.133	1.69	24.27	0.96	0.96	1.467	1.03	7.500	1.69	13.333	10.24	19.57	1.69
6.233	1.50	12.267	18.41	18.266	1.69	24.35	0.96	0.96	1.533	1.03	7.567	1.69	13.366	10.24	19.63	1.69
6.267	1.50	12.300	18.41	18.233	1.69	24.37	0.96	0.96	1.567	1.03	7.600	1.69	13.400	10.24	19.67	1.69
6.333	1.50	12.367	18.41	18.366	1.69	24.45	0.96	0.96	1.633	1.03	7.667	1.69	13.433	10.24	19.73	1.69
6.367	1.50	12.400	18.41	18.333	1.69	24.47	0.96	0.96	1.667	1.03	7.700	1.69	13.466	10.24	19.77	1.69
6.433	1.50	12.467	18.41	18.466	1.69	24.55	0.96	0.96	1.733	1.03	7.767	1.69	13.500	10.24	19.83	1.69
6.467	1.50	12.500	18.41	18.433	1.69	24.57	0.96	0.96	1.767	1.03	7.800	1.69	13.533	10.24	19.87	1.69
6.533	1.50	12.567	18.41	18.566	1.69	24.65	0.96	0.96	1.833	1.03	7.867	1.69	13.566	10.24	19.93	1.69
6.567	1.50	12.600	18.41	18.533	1.69	24.67	0.96	0.96	1.867	1.03	7.900	1.69	13.600	10.24	19.97	1.69
6.633	1.50	12.667	18.41	18.666	1.69	24.75	0.96	0.96	1.933	1.03	7.967	1.69	13.633	10.24	20.03	1.69
6.667	1.50	12.700	18.41	18.633	1.69	24.77	0.96	0.96	1.967	1.03	8.000	1.69	13.666	10.24	20.07	1.69
6.733	1.50	12.767	18.41	18.766	1.69	24.85	0.96	0.96	2.033	1.03	8.067	1.69	13.700	10.24	20.13	1.69
6.767	1.50	12.800	18.41	18.733	1.69	24.87	0.96	0.96	2.067	1.03	8.100	1.69	13.733	10.24	20.17	1.69
6.833	1.50	12.867	18.41	18.866	1.69	24.95	0.96	0.96	2.133	1.03	8.167	1.69	13.766	10.24	20.23	1.69
6.867	1.50	12.900	18.41	18.833	1.69	24.97	0.96	0.96	2.167	1.03	8.200	1.69	13.800	10.24	20.27	1.69
6.933	1.50	12.967	18.41	18.966	1.69	25.05	0.96	0.96	2.233	1.03	8.267	1.69	13.833	10.24	20.33	1.69
6.967	1.50	13.000	18.41	18.933	1.69	25.07	0.96	0.96	2.267	1.03	8.300	1.69	13.866	10.24	20.37	1.69
7.033	1.50	13.067	18.41	19.066	1.69	25.15	0.96	0.96	2.333	1.03	8.367	1.69	13.900	10.24	20.43	1.69
7.067	1.50	13.100	18.41	19.033	1.69	25.17	0.96	0.96	2.367	1.03	8.400	1.69	13.933	10.24	20.47	1.69
7.133	1.50	13.167	18.41	19.166	1.69	25.25	0.96	0.96	2.433	1.03	8.467	1.69	13.966	10.24	20.53	1.69
7.167	1.50	13.200	18.41	19.133	1.69	25.27	0.96	0.96	2.467	1.03	8.500	1.69	14.000	10.24	20.57	1.69
7.233	1.50	13.267	18.41	19.266	1.69	25.35	0.96	0.96	2.533	1.03	8.567	1.69	14.033	10.24	20.63	1.69
7.267	1.50	13.300	18.41	19.233	1.69	25.37	0.96	0.96	2.567	1.03	8.600	1.69	14.066	10.24	20.67	1.69
7.333	1.50	13.367	18.41	19.366	1.69	25.45	0.96	0.96	2.633	1.03	8.667	1.69	14.100	10.24	20.73	1.69
7.367	1.50	13.400	18.41	19.333	1.69	25.47	0.96	0.96	2.667	1.03	8.700	1.69	14.133	10.24	20.77	1.69
7.433	1.50	13.467	18.41	19.466	1.69	25.55	0.96	0.96	2.733	1.03	8.767	1.69	14.166	10.24	20.83	1.69
7.467	1.50	13.500	18.41	19.433	1.69	25.57	0.96	0.96	2.767	1.03	8.800	1.69	14.200	10.24	20.87	1.69
7.533	1.50	13.567	18.41	19.566	1.69	25.65	0.96	0.96	2.833	1.03	8.867	1.69	14.233	10.24	20.93	1.69
7.567	1.50	13.600	18.41	19.533	1.69	25.67	0.96	0.96	2.867	1.03	8.900	1.69	14.266	10.24	20.97	1.69
7.633	1.50	13.667	18.41	19.666	1.69	25.75	0.96	0.96	2.933	1.03	8.967	1.69	14.300	10.24	21.03	1.69
7.667	1.50	13.700	18.41	19.633	1.69	25.77	0.96	0.96	2.967	1.03	9.000	1.69	14.333	10.24	21.07	1.69
7.733	1.50	13.767	18.41	19.766	1.69	25.85	0.96	0.96	3.033	1.03	9.067	1.69	14.366	10.24	21.13	1.69
7.767	1.50	13.800	18.41	19.733	1.69	25.87	0.96	0.96	3.067	1.03	9.100	1.69	14.400	10.24	21.17	1.69
7.833	1.50	13.867	18.41	19.866	1.69	25.95	0.96	0.96	3.133	1.03	9.167	1.69	14.433	10.24	21.23	1.69
7.867	1.50	13.900	18.41	19.833	1.69	25.97	0.96	0.96	3.167	1.03	9.200	1.69	14.466	10.24	21.27	1.69
7.933	1.50	13.967	18.41	19.966	1.69	26.05	0.96	0.96	3.233	1.03	9.267	1.69	14.500	10.24	21.33	1.69
7.967	1.50	14.000	18.41	19.933	1.69	26.07	0.96	0.96	3.267	1.03	9.300	1.69	14.533	10.24	21.37	1.69
8.033	1.50	14.067	18.41	20.066	1.69	26.15	0.96	0.96	3.333	1.03	9.367	1.69	14.566	10.24	21.43	1.69
8.067	1.50	14.100	18.41	20.033	1.69	26.17	0.96	0.96	3.367	1.03	9.400	1.69	14.600	10.24	21.47	1.69
8.133	1.50	14.167	18.41	20.166	1.69	26.25	0.96	0.96	3.433	1.03	9.467	1.69	14.633	10.24	21.53	1.69
8.167	1.50	14.200	18.41	20.133	1.69	26.27	0.96	0.96	3.467	1.03	9.500	1.69	14.666	10.24	21.57	1.69
8.233	1.50	14.267	18.41	20.266	1.69	26.35	0.96	0.96	3.533	1.03	9.567	1.69	14.700	10.24	21.63	1.69
8.267	1.50	14.300	18.41	20.233	1.69	26.37	0.96	0.96	3.567	1.03	9.600	1.69	14.733	10.24	21.67	1.69
8.333	1.50	14.367	18.41	20.366	1.69	26.45	0.96	0.96	3.633	1.03	9.667	1.69	14.766	10.24	21.73	1.69
8.367	1.50	14.400	18.41	20.333	1.69	26.47	0.96	0.96	3.667	1.03	9.700	1.69	14.800	10.24	21.77	1.69
8.433	1.50	14.467	18.41	20.466	1.69	26.55	0.96	0.96	3.733	1.03	9.767	1.69	14.833	10.24	21.83	1.69
8.467	1.50	14.500	18.41	20.433	1.69	26.57	0.96	0.96	3.767	1.03	9.800	1.69	14.866	10.24	21.87	1.69
8.533	1.50	14.567	18.41	20.566	1.69	26.65	0.96	0.96	3.833	1.03	9.867	1.69	14.900	10.24	21.93	1.69
8.567	1.50	14.600	18.41	20.533	1.69	26.67	0.96	0.96	3.867	1.03	9.900	1.69	14.933	10.24	21.97	1.69
8.633	1.50	14.667	18.41	20.666	1.69	26.75	0.96	0.96	3.933	1.03	9.967	1.69	14.966	10.24	22.03	1.69
8.667	1.50	14.700	18.41	20.633	1.69	26.77	0.96	0.96	3.967	1.03	10.000	1.69	15.000	10.24	22.07	1.69
8.733	1.50	14.767	18.41	20.766	1.69	26.85	0.96	0.96	4.033	1.03	10.067	1.69	15.033	10.24	22.13	1.69
8.767	1.50	14.800	18.41	20.733	1.69	26.87	0.96	0.96	4.067	1.03	10.100	1.69	15.066	10.24	22.17	1.69
8.833	1.50	14.867	18.41	20.866	1.69	26.95	0.96	0.96	4.133	1.03	10.167	1.69	15.100	10.2		

2.667	1.22	8.750	2.63	14.733	2.81	20.77	1.13	4.890	1.59	10.833	5.82	16.867	1.69	22.90	1.13
2.700	1.22	8.733	2.63	14.767	2.81	20.88	1.13	4.833	1.59	10.867	5.82	16.900	1.69	22.93	1.13
2.733	1.22	8.717	2.63	14.800	2.81	20.99	1.13	4.767	1.59	10.900	5.82	16.933	1.69	22.96	1.13
2.767	1.22	8.683	2.63	14.833	2.81	20.87	1.13	4.900	1.59	10.933	5.82	16.967	1.69	23.00	1.13
2.800	1.22	8.633	2.63	14.867	2.81	20.96	1.13	4.933	1.59	10.967	5.82	17.000	1.69	23.03	1.13
2.833	1.22	8.600	2.63	14.900	2.81	20.97	1.13	5.000	1.59	11.000	5.82	17.033	1.69	23.06	1.13
2.867	1.22	8.533	2.63	14.933	2.81	20.97	1.13	5.033	1.59	11.033	5.82	17.067	1.69	23.10	1.13
2.900	1.22	8.483	2.63	14.967	2.81	21.00	1.13	5.067	1.59	11.067	5.82	17.100	1.69	23.13	1.13
2.933	1.22	8.433	2.63	15.000	2.81	21.07	1.13	5.100	1.59	11.100	5.82	17.133	1.69	23.16	1.13
2.967	1.22	8.367	2.63	15.033	2.81	21.07	1.13	5.133	1.59	11.133	5.82	17.167	1.69	23.20	1.13
3.000	1.22	8.300	2.63	15.067	2.81	21.10	1.13	5.167	1.59	11.167	5.82	17.200	1.69	23.23	1.13
3.033	1.22	8.267	2.63	15.100	2.81	21.13	1.13	5.200	1.59	11.200	5.82	17.233	1.69	23.26	1.13
3.067	1.22	8.200	2.63	15.133	2.81	21.13	1.13	5.233	1.59	11.233	5.82	17.267	1.69	23.30	1.13
3.100	1.22	8.133	2.63	15.167	2.81	21.20	1.13	5.267	1.59	11.267	5.82	17.300	1.69	23.33	1.13
3.133	1.22	8.100	2.63	15.200	2.81	21.23	1.13	5.300	1.59	11.300	5.82	17.333	1.69	23.37	1.13
3.167	1.22	8.033	2.63	15.233	2.81	21.36	1.13	5.333	1.59	11.333	5.82	17.367	1.69	23.40	1.13
3.200	1.22	7.967	2.63	15.267	2.81	21.36	1.13	5.367	1.59	11.367	5.82	17.400	1.69	23.43	1.13
3.233	1.22	7.900	2.63	15.300	2.81	21.33	1.13	5.400	1.59	11.400	5.82	17.433	1.69	23.47	1.13
3.267	1.22	7.833	2.63	15.333	2.81	21.40	1.13	5.433	1.59	11.433	5.82	17.467	1.69	23.50	1.13
3.300	1.22	7.767	2.63	15.367	2.81	21.40	1.13	5.467	1.59	11.467	5.82	17.500	1.69	23.53	1.13
3.333	1.22	7.700	2.63	15.400	2.81	21.43	1.13	5.500	1.59	11.500	5.82	17.533	1.69	23.57	1.13
3.367	1.22	7.633	2.63	15.433	2.81	21.50	1.13	5.533	1.59	11.533	5.82	17.567	1.69	23.60	1.13
3.400	1.22	7.567	2.63	15.467	2.81	21.50	1.13	5.567	1.59	11.567	5.82	17.600	1.69	23.63	1.13
3.433	1.22	7.500	2.63	15.500	2.81	21.53	1.13	5.600	1.59	11.600	5.82	17.633	1.69	23.67	1.13
3.467	1.22	7.433	2.63	15.533	2.81	21.60	1.13	5.633	1.59	11.633	5.82	17.667	1.69	23.70	1.13
3.500	1.22	7.367	2.63	15.567	2.81	21.60	1.13	5.667	1.59	11.667	5.82	17.700	1.69	23.73	1.13
3.533	1.22	7.300	2.63	15.600	2.81	21.63	1.13	5.700	1.59	11.700	5.82	17.733	1.69	23.77	1.13
3.567	1.22	7.233	2.63	15.633	2.81	21.67	1.13	5.733	1.59	11.733	5.82	17.767	1.69	23.80	1.13
3.600	1.22	7.167	2.63	15.667	2.81	21.73	1.13	5.767	1.59	11.767	5.82	17.800	1.69	23.83	1.13
3.633	1.22	7.100	2.63	15.700	2.81	21.73	1.13	5.800	1.59	11.800	5.82	17.833	1.69	23.87	1.13
3.667	1.22	7.033	2.63	15.733	2.81	21.77	1.13	5.833	1.59	11.833	5.82	17.867	1.69	23.90	1.13
3.700	1.22	6.967	2.63	15.767	2.81	21.83	1.13	5.867	1.59	11.867	5.82	17.900	1.69	23.93	1.13
3.733	1.22	6.900	2.63	15.800	2.81	21.83	1.13	5.900	1.59	11.900	5.82	17.933	1.69	23.97	1.13
3.767	1.22	6.833	2.63	15.833	2.81	21.87	1.13	5.933	1.59	11.933	5.82	17.967	1.69	24.00	1.13
3.800	1.22	6.767	2.63	15.867	2.81	21.90	1.13	5.967	1.59	11.967	5.82	18.000	1.69	24.03	1.13
3.833	1.22	6.700	2.63	15.900	2.81	21.93	1.13	6.000	1.59	12.000	5.82	18.033	1.69	24.07	1.13
3.867	1.22	6.633	2.63	15.933	2.81	21.97	1.13	6.033	1.59	12.033	5.82	18.067	1.69	24.10	1.13
3.900	1.22	6.567	2.63	15.967	2.81	22.00	1.13	6.067	1.59	12.067	5.82	18.100	1.69	24.13	1.13
3.933	1.22	6.500	2.63	16.000	2.81	22.03	1.13	6.100	1.59	12.100	5.82	18.133	1.69	24.17	1.13
3.967	1.22	6.433	2.63	16.033	2.81	22.07	1.13	6.133	1.59	12.133	5.82	18.167	1.69	24.20	1.13
4.000	1.22	6.367	2.63	16.067	2.81	22.10	1.13	6.167	1.59	12.167	5.82	18.200	1.69	24.23	1.13
4.033	1.22	6.300	2.63	16.100	2.81	22.13	1.13	6.200	1.59	12.200	5.82	18.233	1.69	24.27	1.13
4.067	1.22	6.233	2.63	16.133	2.81	22.17	1.13	6.233	1.59	12.233	5.82	18.267	1.69	24.30	1.13
4.100	1.22	6.167	2.63	16.167	2.81	22.20	1.13	6.267	1.59	12.267	5.82	18.300	1.69	24.33	1.13
4.133	1.22	6.100	2.63	16.200	2.81	22.23	1.13	6.300	1.59	12.300	5.82	18.333	1.69	24.37	1.13
4.167	1.22	6.033	2.63	16.233	2.81	22.27	1.13	6.333	1.59	12.333	5.82	18.367	1.69	24.40	1.13
4.200	1.22	5.967	2.63	16.267	2.81	22.30	1.13	6.367	1.59	12.367	5.82	18.400	1.69	24.43	1.13
4.233	1.22	5.900	2.63	16.300	2.81	22.33	1.13	6.400	1.59	12.400	5.82	18.433	1.69	24.47	1.13
4.267	1.22	5.833	2.63	16.333	2.81	22.37	1.13	6.433	1.59	12.433	5.82	18.467	1.69	24.50	1.13
4.300	1.22	5.767	2.63	16.367	2.81	22.40	1.13	6.467	1.59	12.467	5.82	18.500	1.69	24.53	1.13
4.333	1.22	5.700	2.63	16.400	2.81	22.43	1.13	6.500	1.59	12.500	5.82	18.533	1.69	24.57	1.13
4.367	1.22	5.633	2.63	16.433	2.81	22.47	1.13	6.533	1.59	12.533	5.82	18.567	1.69	24.60	1.13
4.400	1.22	5.567	2.63	16.467	2.81	22.50	1.13	6.567	1.59	12.567	5.82	18.600	1.69	24.63	1.13
4.433	1.22	5.500	2.63	16.500	2.81	22.53	1.13	6.600	1.59	12.600	5.82	18.633	1.69	24.67	1.13
4.467	1.22	5.433	2.63	16.533	2.81	22.57	1.13	6.633	1.59	12.633	5.82	18.667	1.69	24.70	1.13
4.500	1.22	5.367	2.63	16.567	2.81	22.60	1.13	6.667	1.59	12.667	5.82	18.700	1.69	24.73	1.13
4.533	1.22	5.300	2.63	16.600	2.81	22.63	1.13	6.700	1.59	12.700	5.82	18.733	1.69	24.77	1.13
4.567	1.22	5.233	2.63	16.633	2.81	22.67	1.13	6.733	1.59	12.733	5.82	18.767	1.69	24.80	1.13
4.600	1.22	5.167	2.63	16.667	2.81	22.70	1.13	6.767	1.59	12.767	5.82	18.800	1.69	24.83	1.13
4.633	1.22	5.100	2.63	16.700	2.81	22.73	1.13	6.800	1.59	12.800	5.82	18.833	1.69	24.87	1.13
4.667	1.22	5.033	2.63	16.733	2.81	22.77	1.13	6.833	1.59	12.833	5.82	18.867	1.69	24.90	1.13
4.700	1.22	4.967	2.63	16.767	2.81	22.80	1.13	6.867	1.59	12.867	5.82	18.900	1.69	24.93	1.13
4.733	1.22	4.900	2.63	16.800	2.81	22.83	1.13	6.900	1.59	12.900	5.82	18.933	1.69	24.97	1.13
4.767	1.22	4.833	2.63	16.833	2.81	22.87	1.13	6.933	1.59	12.933	5.82	18.967	1.69	25.00	1.13

149

Unit Hyd Peak (cms) = 0.523
 PEAK FLOW (cms) = 0.368 (1)
 TIME TO PEAK (hrs) = 12.200
 RUNDIFF VOLUME (mm) = 49.839
 RUNDIFF COEFFICIENT = 8.523
 (1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB NASHVD (0.003) Area (ha) = 1.47 Curve Number (CN) = 79.0
 10 - 1.01 = 2.0 min. U.H. Tr(rs) = 6.19
 NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

TRANSFORMED METEOROGRAPH
 TIME RAIN TIME TIME TIME TIME
 hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr
 0.007 0.009 0.100 1.59 12.100 64.63 18.13 1.69
 0.007 0.009 0.100 1.59 12.133 13.51 10.17 1.69

150

0.199	0.52	6.133	1.69	12.167	13.51	18.20	1.69	2.233	1.22	8.267	2.44	14.300	2.81	20.33	1.13
0.133	0.63	6.167	1.69	12.200	13.51	18.23	1.69	2.267	1.22	8.300	2.44	14.333	2.81	20.37	1.13
0.200	0.63	6.233	1.69	12.267	13.51	18.30	1.69	2.333	1.22	8.367	2.44	14.400	2.81	20.40	1.13
0.267	0.63	6.267	1.69	12.300	13.51	18.33	1.69	2.367	1.22	8.400	2.44	14.433	2.81	20.43	1.13
0.300	0.63	6.300	1.69	12.333	13.51	18.40	1.69	2.400	1.22	8.433	2.44	14.467	2.81	20.47	1.13
0.333	0.63	6.333	1.69	12.367	13.51	18.43	1.69	2.433	1.22	8.467	2.44	14.500	2.81	20.50	1.13
0.367	0.63	6.367	1.69	12.400	13.51	18.43	1.69	2.467	1.22	8.500	2.44	14.533	2.81	20.53	1.13
0.400	0.63	6.400	1.69	12.433	13.51	18.46	1.69	2.500	1.22	8.533	2.44	14.567	2.81	20.57	1.13
0.433	0.63	6.433	1.69	12.467	13.51	18.50	1.69	2.533	1.22	8.567	2.44	14.600	2.81	20.60	1.13
0.467	0.63	6.467	1.69	12.500	13.51	18.53	1.69	2.567	1.22	8.600	2.53	14.633	2.81	20.63	1.13
0.500	0.63	6.500	1.69	12.533	13.51	18.57	1.69	2.600	1.22	8.633	2.63	14.667	2.81	20.67	1.13
0.533	0.63	6.533	1.69	12.567	13.51	18.60	1.69	2.633	1.22	8.667	2.63	14.700	2.81	20.70	1.13
0.567	0.63	6.567	1.69	12.600	13.51	18.63	1.69	2.667	1.22	8.700	2.63	14.733	2.81	20.73	1.13
0.600	0.63	6.600	1.69	12.633	13.51	18.67	1.69	2.700	1.22	8.733	2.63	14.767	2.81	20.76	1.13
0.633	0.63	6.633	1.69	12.667	13.51	18.70	1.69	2.733	1.22	8.767	2.63	14.800	2.81	20.79	1.13
0.667	0.63	6.667	1.69	12.700	13.51	18.73	1.69	2.767	1.22	8.800	2.63	14.833	2.81	20.82	1.13
0.700	0.63	6.700	1.69	12.733	13.51	18.77	1.69	2.800	1.22	8.833	2.63	14.867	2.81	20.85	1.13
0.733	0.63	6.733	1.69	12.767	13.51	18.80	1.69	2.833	1.22	8.867	2.63	14.900	2.81	20.88	1.13
0.767	0.63	6.767	1.69	12.800	13.51	18.83	1.69	2.867	1.22	8.900	2.63	14.933	2.81	20.91	1.13
0.800	0.63	6.800	1.69	12.833	13.51	18.87	1.69	2.900	1.22	8.933	2.63	14.967	2.81	20.94	1.13
0.833	0.63	6.833	1.69	12.867	13.51	18.90	1.69	2.933	1.22	8.967	2.63	15.000	2.81	20.97	1.13
0.867	0.63	6.867	1.69	12.900	13.51	18.93	1.69	2.967	1.22	9.000	2.63	15.033	2.81	21.00	1.13
0.900	0.63	6.900	1.69	12.933	13.51	18.97	1.69	3.000	1.22	9.033	2.63	15.067	2.81	21.03	1.13
0.933	0.63	6.933	1.69	12.967	13.51	19.00	1.69	3.033	1.22	9.067	2.63	15.100	2.81	21.06	1.13
0.967	0.63	6.967	1.69	13.000	13.51	19.03	1.69	3.067	1.22	9.100	2.63	15.133	2.81	21.09	1.13
1.000	0.63	7.000	1.69	13.033	13.51	19.07	1.69	3.100	1.22	9.133	3.08	15.167	2.81	21.12	1.13
1.033	0.63	7.033	1.69	13.067	13.51	19.10	1.69	3.133	1.22	9.167	3.08	15.200	2.81	21.15	1.13
1.067	0.63	7.067	1.69	13.100	13.51	19.13	1.69	3.167	1.22	9.200	3.08	15.233	2.81	21.18	1.13
1.100	0.63	7.100	1.69	13.133	13.51	19.17	1.69	3.200	1.22	9.233	3.08	15.267	2.81	21.21	1.13
1.133	0.63	7.133	1.69	13.167	13.51	19.20	1.69	3.233	1.22	9.267	3.08	15.300	2.81	21.24	1.13
1.167	0.63	7.167	1.69	13.200	13.51	19.23	1.69	3.267	1.22	9.300	3.08	15.333	2.81	21.27	1.13
1.200	0.63	7.200	1.69	13.233	13.51	19.27	1.69	3.300	1.22	9.333	3.08	15.367	2.81	21.30	1.13
1.233	0.63	7.233	1.69	13.267	13.51	19.30	1.69	3.333	1.22	9.367	3.08	15.400	2.81	21.33	1.13
1.267	0.63	7.267	1.69	13.300	13.51	19.33	1.69	3.367	1.22	9.400	3.08	15.433	2.81	21.36	1.13
1.300	0.63	7.300	1.69	13.333	13.51	19.37	1.69	3.400	1.22	9.433	3.08	15.467	2.81	21.39	1.13
1.333	0.63	7.333	1.69	13.367	13.51	19.40	1.69	3.433	1.22	9.467	3.08	15.500	2.81	21.42	1.13
1.367	0.63	7.367	1.69	13.400	13.51	19.43	1.69	3.467	1.22	9.500	3.08	15.533	2.81	21.45	1.13
1.400	0.63	7.400	1.69	13.433	13.51	19.47	1.69	3.500	1.22	9.533	3.08	15.567	2.81	21.48	1.13
1.433	0.63	7.433	1.69	13.467	13.51	19.50	1.69	3.533	1.22	9.567	3.08	15.600	2.81	21.51	1.13
1.467	0.63	7.467	1.69	13.500	13.51	19.53	1.69	3.567	1.22	9.600	3.08	15.633	2.81	21.54	1.13
1.500	0.63	7.500	1.69	13.533	13.51	19.57	1.69	3.600	1.22	9.633	3.08	15.667	2.81	21.57	1.13
1.533	0.63	7.533	1.69	13.567	13.51	19.60	1.69	3.633	1.22	9.667	3.08	15.700	2.81	21.60	1.13
1.567	0.63	7.567	1.69	13.600	13.51	19.63	1.69	3.667	1.22	9.700	3.08	15.733	2.81	21.63	1.13
1.600	0.63	7.600	1.69	13.633	13.51	19.67	1.69	3.700	1.22	9.733	3.08	15.767	2.81	21.66	1.13
1.633	0.63	7.633	1.69	13.667	13.51	19.70	1.69	3.733	1.22	9.767	3.08	15.800	2.81	21.69	1.13
1.667	0.63	7.667	1.69	13.700	13.51	19.73	1.69	3.767	1.22	9.800	3.08	15.833	2.81	21.72	1.13
1.700	0.63	7.700	1.69	13.733	13.51	19.77	1.69	3.800	1.22	9.833	3.08	15.867	2.81	21.75	1.13
1.733	0.63	7.733	1.69	13.767	13.51	19.80	1.69	3.833	1.22	9.867	3.08	15.900	2.81	21.78	1.13
1.767	0.63	7.767	1.69	13.800	13.51	19.83	1.69	3.867	1.22	9.900	3.08	15.933	2.81	21.81	1.13
1.800	0.63	7.800	1.69	13.833	13.51	19.87	1.69	3.900	1.22	9.933	3.08	15.967	2.81	21.84	1.13
1.833	0.63	7.833	1.69	13.867	13.51	19.90	1.69	3.933	1.22	9.967	3.08	16.000	2.81	21.87	1.13
1.867	0.63	7.867	1.69	13.900	13.51	19.93	1.69	3.967	1.22	10.000	3.08	16.033	2.81	21.90	1.13
1.900	0.63	7.900	1.69	13.933	13.51	19.97	1.69	4.000	1.22	10.033	3.08	16.067	2.81	21.93	1.13
1.933	0.63	7.933	1.69	13.967	13.51	20.00	1.69	4.033	1.22	10.067	3.08	16.100	2.81	21.96	1.13
1.967	0.63	7.967	1.69	14.000	13.51	20.03	1.69	4.067	1.22	10.100	3.08	16.133	2.81	21.99	1.13
2.000	0.63	8.000	1.69	14.033	13.51	20.07	1.69	4.100	1.22	10.133	3.08	16.167	2.81	22.02	1.13
2.033	0.63	8.033	1.69	14.067	13.51	20.10	1.69	4.133	1.22	10.167	3.08	16.200	2.81	22.05	1.13
2.067	0.63	8.067	1.69	14.100	13.51	20.13	1.69	4.167	1.22	10.200	3.08	16.233	2.81	22.08	1.13
2.100	0.63	8.100	1.69	14.133	13.51	20.17	1.69	4.200	1.22	10.233	3.08	16.267	2.81	22.11	1.13
2.133	0.63	8.133	1.69	14.167	13.51	20.20	1.69	4.233	1.22	10.267	3.08	16.300	2.81	22.14	1.13
2.167	0.63	8.167	1.69	14.200	13.51	20.23	1.69	4.267	1.22	10.300	3.08	16.333	2.81	22.17	1.13
2.200	0.63	8.200	1.69	14.233	13.51	20.27	1.69	4.300	1.22	10.333	3.08	16.367	2.81	22.20	1.13
2.233	0.63	8.233	1.69	14.267	13.51	20.30	1.69	4.333	1.22	10.367	3.08	16.400	2.81	22.23	1.13

ADD HYD (0009)									
1	2	3	4	5	6	7	8	9	10
AREA	PEAK	TPEAK	R.V.						
(ha)	(cms)	(hrs)	(mm)						
3.15	0.368	12.20	49.04						
4.02	0.559	12.20	49.04						
4.62	0.559	12.20	49.04						
NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.									
CALC (0102)									
Area	(ha)	Curve Number	(CN) = 79.0						
I _D - 1.01 - 2.0 min	U.H. Tp(hrs)	# of Linear Res.(N)	= 6.33						
6.33	6.75								
NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.									
TRANSFORMED HYETOGRAPH									
TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME
(hrs)	(hrs)	(hrs)	(hrs)	(hrs)	(hrs)	(hrs)	(hrs)	(hrs)	(hrs)
0.033	0.000	0.000	1.50	12.100	04.03	18.13	1.69		
0.067	0.000	0.000	1.50	12.100	04.03	18.13	1.69		
0.100	0.000	0.000	1.50	12.100	04.03	18.13	1.69		
0.133	1.03	6.167	1.50	12.200	13.51	18.23	1.69		
0.167	1.03	6.200	1.50	12.200	13.51	18.23	1.69		
0.200	1.03	6.233	1.50	12.200	13.51	18.23	1.69		
0.233	1.03	6.267	1.50	12.200	13.51	18.23	1.69		
0.267	1.03	6.300	1.50	12.200	13.51	18.23	1.69		
0.300	1.03	6.333	1.50	12.200	13.51	18.23	1.69		
0.333	1.03	6.367	1.50	12.200	13.51	18.23	1.69		
0.367	1.03	6.400	1.50	12.200	13.51	18.23	1.69		
0.400	1.03	6.433	1.50	12.200	13.51	18.23	1.69		
0.433	1.03	6.467	1.50	12.200	13.51	18.23	1.69		
0.467	1.03	6.500	1.50	12.200	13.51	18.23	1.69		
0.500	1.03	6.533	1.50	12.200	13.51	18.23	1.69		
0.533	1.03	6.567	1.50	12.200	13.51	18.23	1.69		
0.567	1.03	6.600	1.50	12.200	13.51	18.23	1.69		
0.600	1.03	6.633	1.50	12.200	13.51	18.23	1.69		
0.633	1.03	6.667	1.50	12.200	13.51	18.23	1.69		
0.667	1.03	6.700	1.50	12.200	13.51	18.23	1.69		
0.700	1.03	6.733	1.50	12.200	13.51	18.23	1.69		
0.733	1.03	6.767	1.50	12.200	13.51	18.23	1.69		
0.767	1.03	6.800	1.50	12.200	13.51	18.23	1.69		
0.800	1.03	6.833	1.50	12.200	13.51	18.23	1.69		
0.833	1.03	6.867	1.50	12.200	13.51	18.23	1.69		
0.867	1.03	6.900	1.50	12.200	13.51	18.23	1.69		
0.900	1.03	6.933	1.50	12.200	13.51	18.23	1.69		
0.933	1.03	6.967	1.50	12.200	13.51	18.23	1.69		
0.967	1.03	7.000	1.50	12.200	13.51	18.23	1.69		
1.000	1.03	7.033	1.50	12.200	13.51	18.23	1.69		
1.033	1.03	7.067	1.50	12.200	13.51	18.23	1.69		
1.067	1.03	7.100	1.50	12.200	13.51	18.23	1.69		
1.100	1.03	7.133	1.50	12.200	13.51	18.23	1.69		
1.133	1.03	7.167	1.50	12.200	13.51	18.23	1.69		
1.167	1.03	7.200	1.50	12.200	13.51	18.23	1.69		
1.200	1.03	7.233	1.50	12.200	13.51	18.23	1.69		
1.233	1.03	7.267	1.50	12.200	13.51	18.23	1.69		
1.267	1.03	7.300	1.50	12.200	13.51	18.23	1.69		
1.300	1.03	7.333	1.50	12.200	13.51	18.23	1.69		
1.333	1.03	7.367	1.50	12.200	13.51	18.23	1.69		
1.367	1.03	7.400	1.50	12.200	13.51	18.23	1.69		
1.400	1.03	7.433	1.50	12.200	13.51	18.23	1.69		
1.433	1.03	7.467	1.50	12.200	13.51	18.23	1.69		
1.467	1.03	7.500	1.50	12.200	13.51	18.23	1.69		
1.500	1.03	7.533	1.50	12.200	13.51	18.23	1.69		
1.533	1.03	7.567	1.50	12.200	13.51	18.23	1.69		
1.567	1.03	7.600	1.50	12.200	13.51	18.23	1.69		
1.600	1.03	7.633	1.50	12.200	13.51	18.23	1.69		
1.633	1.03	7.667	1.50	12.200	13.51	18.23	1.69		
1.667	1.03	7.700	1.50	12.200	13.51	18.23	1.69		
1.700	1.03	7.733	1.50	12.200	13.51	18.23	1.69		
1.733	1.03	7.767	1.50	12.200	13.51	18.23	1.69		
1.767	1.03	7.800	1.50	12.200	13.51	18.23	1.69		
1.800	1.03	7.833	1.50	12.200	13.51	18.23	1.69		
1.833	1.03	7.867	1.50	12.200	13.51	18.23	1.69		
1.867	1.03	7.900	1.50	12.200	13.51	18.23	1.69		
1.900	1.03	7.933	1.50	12.200	13.51	18.23	1.69		
1.933	1.03	7.967	1.50	12.200	13.51	18.23	1.69		
1.967	1.03	8.000	1.50	12.200	13.51	18.23	1.69		
2.000	1.03	8.033	1.50	12.200	13.51	18.23	1.69		
2.033	1.03	8.067	1.50	12.200	13.51	18.23	1.69		
2.067	1.03	8.100	1.50	12.200	13.51	18.23	1.69		
2.100	1.03	8.133	1.50	12.200	13.51	18.23	1.69		
2.133	1.03	8.167	1.50	12.200	13.51	18.23	1.69		
2.167	1.03	8.200	1.50	12.200	13.51	18.23	1.69		
2.200	1.03	8.233	1.50	12.200	13.51	18.23	1.69		
2.233	1.03	8.267	1.50	12.200	13.51	18.23	1.69		
2.267	1.03	8.300	1.50	12.200	13.51	18.23	1.69		
2.300	1.03	8.333	1.50	12.200	13.51	18.23	1.69		
2.333	1.03	8.367	1.50	12.200	13.51	18.23	1.69		
2.367	1.03	8.400	1.50	12.200	13.51	18.23	1.69		
2.400	1.03	8.433	1.50	12.200	13.51	18.23	1.69		
2.433	1.03	8.467	1.50	12.200	13.51	18.23	1.69		
2.467	1.03	8.500	1.50	12.200	13.51	18.23	1.69		
2.500	1.03	8.533	1.50	12.200	13.51	18.23	1.69		

UNIT: Hyd

Qpeak (cms) = 0.296

PEAK FLOW (cms) = 0.194 (1)

TOTAL PEAK (cms) = 49.037

RUNOFF VOLUME (mm) = 93.820

TOTAL RAINFALL (mm) = 93.820

RUNOFF COEFFICIENT = 0.923

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

PEAK FLOW (cms) = 0.296
 TIME TO PEAK (hrs) = 12.167
 TOTAL RAINFALL (mm) = 93.820
 RUNOFF COEFFICIENT = 0.523

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

1.489	1.03	7.733	2.06	13.467	5.97	19.59	1.69	3.533	1.22	9.567	3.09	15.690	1.13	21.63
1.433	1.03	7.457	2.06	13.599	5.97	19.53	1.69	3.567	1.22	9.699	3.09	15.633	1.13	21.57
1.377	1.03	7.181	2.06	13.731	5.97	19.47	1.69	3.601	1.22	9.831	3.09	15.597	1.13	21.51
1.320	1.03	6.905	2.06	13.863	5.97	19.40	1.69	3.633	1.22	9.963	3.09	15.700	1.13	21.73
1.264	1.03	6.629	2.06	13.995	5.97	19.34	1.69	3.667	1.22	9.786	3.09	15.733	1.13	21.77
1.208	1.03	6.353	2.06	14.127	5.97	19.27	1.69	3.701	1.22	9.609	3.09	15.800	1.13	21.81
1.152	1.03	6.077	2.06	14.259	5.97	19.20	1.69	3.733	1.22	9.767	3.09	15.833	1.13	21.83
1.096	1.03	5.801	2.06	14.391	5.97	19.14	1.69	3.767	1.22	9.890	3.09	15.833	1.13	21.87
1.040	1.03	5.525	2.06	14.523	5.97	19.07	1.69	3.801	1.22	9.890	3.09	15.833	1.13	21.87
1.780	1.03	7.733	2.06	13.767	3.94	19.73	1.69	3.833	1.22	9.897	3.09	15.900	1.13	21.91
1.724	1.03	7.457	2.06	13.899	3.94	19.68	1.69	3.867	1.22	9.890	3.09	15.933	1.13	21.97
1.668	1.03	7.181	2.06	14.031	3.94	19.62	1.69	3.901	1.22	9.890	3.09	15.967	1.13	22.03
1.612	1.03	6.905	2.06	14.163	3.94	19.56	1.69	3.933	1.22	9.967	3.09	16.000	1.13	22.07
1.556	1.03	6.629	2.06	14.295	3.94	19.50	1.69	3.967	1.22	9.890	3.09	16.033	1.13	22.13
1.500	1.03	6.353	2.06	14.427	3.94	19.44	1.69	4.001	1.22	9.890	3.09	16.067	1.13	22.19
1.444	1.03	6.077	2.06	14.559	3.94	19.38	1.69	4.033	1.22	9.890	3.09	16.100	1.13	22.25
1.388	1.03	5.801	2.06	14.691	3.94	19.32	1.69	4.067	1.22	9.890	3.09	16.133	1.13	22.31
1.332	1.03	5.525	2.06	14.823	3.94	19.26	1.69	4.101	1.22	9.890	3.09	16.167	1.13	22.37
1.276	1.03	5.249	2.06	14.955	3.94	19.20	1.69	4.133	1.22	9.890	3.09	16.200	1.13	22.43
1.220	1.03	4.973	2.06	15.087	3.94	19.14	1.69	4.167	1.22	9.890	3.09	16.233	1.13	22.49
1.164	1.03	4.697	2.06	15.219	3.94	19.08	1.69	4.201	1.22	9.890	3.09	16.267	1.13	22.55
1.108	1.03	4.421	2.06	15.351	3.94	19.02	1.69	4.233	1.22	9.890	3.09	16.300	1.13	22.61
1.052	1.03	4.145	2.06	15.483	3.94	18.96	1.69	4.267	1.22	9.890	3.09	16.333	1.13	22.67
1.096	1.03	7.733	2.06	13.967	3.94	20.68	1.69	4.301	1.22	9.890	3.09	16.367	1.13	22.73
1.040	1.03	7.457	2.06	14.099	3.94	20.63	1.69	4.333	1.22	9.890	3.09	16.400	1.13	22.79
1.084	1.03	7.181	2.06	14.231	3.94	20.57	1.69	4.367	1.22	9.890	3.09	16.433	1.13	22.85
1.028	1.03	6.905	2.06	14.363	3.94	20.51	1.69	4.401	1.22	9.890	3.09	16.467	1.13	22.91
1.072	1.03	6.629	2.06	14.495	3.94	20.45	1.69	4.433	1.22	9.890	3.09	16.500	1.13	22.97
1.016	1.03	6.353	2.06	14.627	3.94	20.40	1.69	4.467	1.22	9.890	3.09	16.533	1.13	23.03
1.060	1.03	6.077	2.06	14.759	3.94	20.34	1.69	4.501	1.22	9.890	3.09	16.567	1.13	23.09
1.004	1.03	5.801	2.06	14.891	3.94	20.28	1.69	4.533	1.22	9.890	3.09	16.600	1.13	23.15
1.048	1.03	5.525	2.06	15.023	3.94	20.22	1.69	4.567	1.22	9.890	3.09	16.633	1.13	23.21
1.092	1.03	5.249	2.06	15.155	3.94	20.16	1.69	4.601	1.22	9.890	3.09	16.667	1.13	23.27
1.036	1.03	4.973	2.06	15.287	3.94	20.10	1.69	4.633	1.22	9.890	3.09	16.700	1.13	23.33
1.080	1.03	4.697	2.06	15.419	3.94	20.04	1.69	4.667	1.22	9.890	3.09	16.733	1.13	23.39
1.024	1.03	4.421	2.06	15.551	3.94	20.00	1.69	4.701	1.22	9.890	3.09	16.767	1.13	23.45
1.068	1.03	4.145	2.06	15.683	3.94	19.94	1.69	4.733	1.22	9.890	3.09	16.800	1.13	23.51
1.012	1.03	3.869	2.06	15.815	3.94	19.88	1.69	4.767	1.22	9.890	3.09	16.833	1.13	23.57
1.056	1.03	3.593	2.06	15.947	3.94	19.82	1.69	4.801	1.22	9.890	3.09	16.867	1.13	23.63
1.000	1.03	3.317	2.06	16.079	3.94	19.76	1.69	4.833	1.22	9.890	3.09	16.900	1.13	23.69
1.044	1.03	3.041	2.06	16.211	3.94	19.70	1.69	4.867	1.22	9.890	3.09	16.933	1.13	23.75
1.088	1.03	2.765	2.06	16.343	3.94	19.64	1.69	4.901	1.22	9.890	3.09	16.967	1.13	23.81
1.032	1.03	2.489	2.06	16.475	3.94	19.58	1.69	4.933	1.22	9.890	3.09	17.000	1.13	23.87
1.076	1.03	2.213	2.06	16.607	3.94	19.52	1.69	4.967	1.22	9.890	3.09	17.033	1.13	23.93
1.020	1.03	1.937	2.06	16.739	3.94	19.46	1.69	5.001	1.22	9.890	3.09	17.067	1.13	23.99
1.064	1.03	1.661	2.06	16.871	3.94	19.40	1.69	5.033	1.22	9.890	3.09	17.100	1.13	24.05
1.008	1.03	1.385	2.06	17.003	3.94	19.34	1.69	5.067	1.22	9.890	3.09	17.133	1.13	24.11
1.052	1.03	1.109	2.06	17.135	3.94	19.28	1.69	5.101	1.22	9.890	3.09	17.167	1.13	24.17
1.096	1.03	0.833	2.06	17.267	3.94	19.22	1.69	5.133	1.22	9.890	3.09	17.200	1.13	24.23
1.040	1.03	0.557	2.06	17.399	3.94	19.16	1.69	5.167	1.22	9.890	3.09	17.233	1.13	24.29
1.084	1.03	0.281	2.06	17.531	3.94	19.10	1.69	5.201	1.22	9.890	3.09	17.267	1.13	24.35
1.028	1.03	0.005	2.06	17.663	3.94	19.04	1.69	5.233	1.22	9.890	3.09	17.300	1.13	24.41
1.072	1.03	0.729	2.06	17.795	3.94	19.00	1.69	5.267	1.22	9.890	3.09	17.333	1.13	24.47
1.016	1.03	0.453	2.06	17.927	3.94	18.94	1.69	5.301	1.22	9.890	3.09	17.367	1.13	24.53
1.060	1.03	0.177	2.06	18.059	3.94	18.88	1.69	5.333	1.22	9.890	3.09	17.400	1.13	24.59
1.004	1.03	0.001	2.06	18.191	3.94	18.82	1.69	5.367	1.22	9.890	3.09	17.433	1.13	24.65
1.048	1.03	0.725	2.06	18.323	3.94	18.76	1.69	5.401	1.22	9.890	3.09	17.467	1.13	24.71
1.092	1.03	0.449	2.06	18.455	3.94	18.70	1.69	5.433	1.22	9.890	3.09	17.500	1.13	24.77
1.036	1.03	0.173	2.06	18.587	3.94	18.64	1.69	5.467	1.22	9.890	3.09	17.533	1.13	24.83
1.080	1.03	0.007	2.06	18.719	3.94	18.58	1.69	5.501	1.22	9.890	3.09	17.567	1.13	24.89
1.024	1.03	0.733	2.06	18.851	3.94	18.52	1.69	5.533	1.22	9.890	3.09	17.600	1.13	24.95
1.068	1.03	0.457	2.06	18.983	3.94	18.46	1.69	5.567	1.22	9.890	3.09	17.633	1.13	25.01
1.012	1.03	0.181	2.06	19.115	3.94	18.40	1.69	5.601	1.22	9.890	3.09	17.667	1.13	25.07
1.056	1.03	0.005	2.06	19.247	3.94	18.34	1.69	5.633	1.22	9.890	3.09	17.700	1.13	25.13
1.000	1.03	0.729	2.06	19.379	3.94	18.28	1.69	5.667	1.22	9.890	3.09	17.733	1.13	25.19
1.044	1.03	0.453	2.06	19.511	3.94	18.22	1.69	5.701	1.22	9.890	3.09	17.767	1.13	25.25
1.088	1.03	0.177	2.06	19.643	3.94	18.16	1.69	5.733	1.22	9.890	3.09	17.800	1.13	25.31
1.032	1.03	0.001	2.06	19.775	3.94	18.10	1.69	5.767	1.22	9.890	3.09	17.833	1.13	25.37
1.076	1.03	0.725	2.06	19.907	3.94	18.04	1.69	5.801	1.22	9.890	3.09	17.867	1.13	25.43
1.020	1.03	0.449	2.06	20.039	3.94	17.98	1.69	5.833	1.22	9.890	3.09	17.900	1.13	25.49
1.064	1.03	0.173	2.06	20.171	3.94	17.92	1.69	5.867	1.22	9.890	3.09	17.933	1.13	25.55
1.008	1.03	0.007	2.06	20.303	3.94	17.86	1.69	5.901	1.22	9.890	3.09	17.967	1.13	25.61
1.052	1.03	0.733	2.06	20.435	3.94	17.80	1.69	5.933	1.22	9.890	3.09	18.000	1.13	25.67
1.096	1.03	0.457	2.06	20.567	3.94	17.74	1.69	5.967	1.22	9.890	3.09	18.033	1.13	25.73
1.040	1.03	0.181	2.06	20.699	3.94	17.68	1.69	6.001	1.22	9.890	3.09	18.067	1.13	25.79
1.084	1.03	0.005	2.06	20.831	3.94	17.62	1.69	6.033	1.22	9.890	3.09	18.100	1.13	25.85
1.028	1.03	0.733	2.06	20.963	3.94	17.56	1.69	6.067	1.22	9.890	3.09	18.133	1.13	25.91
1.072	1.03	0.453	2.06	21.095	3.94	17.50	1.69	6.101	1.22	9.890	3.09	18.167	1.13	25.97
1.016	1.03	0.177	2.06	21.227	3.94	17.44	1.69	6.133	1.22	9.890	3.09	18.200	1.13	26.03
1.060	1.03	0.001	2.06	21.359	3.94	17.38	1.69	6.167	1.22	9.890	3.09	18.233	1.13	26.09
1.004	1.03	0.725	2.06	21.491	3.94	17.32	1.69	6.201	1.22	9.890	3.09	18.267	1.13	26.15
1.048	1.03	0.449	2.06	21.623	3.94	17.26	1.69	6.233	1.22	9.890	3.09	18.300	1.13	26.21
1.092	1.03	0.173	2.06	21.755	3.94	17.20	1.69	6.267	1.22	9.890	3.09	18.333	1.13	26.27
1.036	1													

0.650 8.47 1.433 122.72 2.217 9.73 3.00 5.74
0.667 8.47 2.233 122.72 2.233 9.73 3.02 5.51
0.683 9.25 1.453 122.72 2.267 9.08 3.95 5.51
0.717 9.25 2.283 122.72 2.283 9.08 3.07 5.51
0.738 9.25 3.083 122.72 3.083 9.08 3.07 5.51
0.758 9.25 3.883 122.72 3.883 9.08 3.07 5.51
0.787 10.22 1.559 48.02 2.333 8.08
0.783 10.22 1.567 48.02 2.350 8.35

Max.Eff.Inten.(mm/hr)= 122.72 96.32
Storage Capover (min)= 5.00 10.00 (11)
Unit Hyd. peak (cms)= 5.00 10.00 (11)
Unit Hyd. peak (cms)= 0.41 0.11

PEAK FLOW (cms)= 0.08 0.08
TIME TO PEAK (hrs)= 1.53 1.63
TOTAL RAINFALL (mm)= 54.62 54.62
RUNOFF COEFFICIENT = 0.98 0.98

TOTALS
0.132 (111)
1.53
54.62
0.98

(1) CN PROCEDURE SELECTED FOR PREVIOUS LOSSES:
(11) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
TO THE STORAGE COEFFICIENT.
(111) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
NASHVD (0107)
ID= 1 DT= 2.0 min
Area (ha)= 0.15 Curve Number (CN)= 79.0
Ia (mm)= 6.75 # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 0.11

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

TIME		RAIN		TIME		RAIN		TIME		RAIN	
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.033	0.00	0.833	10.22	1.633	30.31	2.43	8.68	0.033	0.00	0.833	10.22
0.067	0.00	0.867	11.47	1.667	30.31	2.47	8.81	0.067	0.00	0.867	11.47
0.100	0.00	0.900	12.72	1.700	30.31	2.50	8.94	0.100	0.00	0.900	12.72
0.133	5.79	0.933	12.30	1.733	22.51	2.53	7.35	0.133	5.79	0.933	12.30
0.167	5.79	0.967	13.13	1.767	20.31	2.57	7.35	0.167	5.79	0.967	13.13
0.200	5.79	1.000	14.48	1.800	18.11	2.60	6.95	0.200	5.79	1.000	14.48
0.233	6.09	1.033	15.48	1.833	18.11	2.63	6.95	0.233	6.09	1.033	15.48
0.267	6.26	1.067	15.49	1.867	15.27	2.67	6.95	0.267	6.26	1.067	15.49
0.300	6.44	1.100	15.49	1.900	15.27	2.70	6.95	0.300	6.44	1.100	15.49
0.333	6.44	1.133	19.66	1.933	14.28	2.73	6.95	0.333	6.44	1.133	19.66
0.367	6.83	1.167	19.66	1.967	13.28	2.77	6.44	0.367	6.83	1.167	19.66
0.400	7.06	1.200	25.29	2.000	11.80	2.80	6.00	0.400	7.06	1.200	25.29
0.433	7.06	1.233	25.29	2.033	11.80	2.83	6.28	0.433	7.06	1.233	25.29
0.467	7.29	1.267	32.12	2.067	11.80	2.87	6.00	0.467	7.29	1.267	32.12
0.500	8.15	1.300	38.95	2.100	10.65	2.90	5.87	0.500	8.15	1.300	38.95
0.533	7.83	1.333	38.95	2.133	10.65	2.93	5.87	0.533	7.83	1.333	38.95
0.567	7.83	1.367	91.83	2.167	10.65	2.97	5.74	0.567	7.83	1.367	91.83
0.600	8.15	1.400	91.83	2.200	9.73	3.00	5.74	0.600	8.15	1.400	91.83
0.633	8.47	1.433	102.72	2.233	9.73	3.00	5.51	0.633	8.47	1.433	102.72
0.667	8.47	1.467	122.72	2.267	9.36	3.07	5.51	0.667	8.47	1.467	122.72
0.700	9.25	1.500	122.72	2.300	8.08	3.10	5.74	0.700	9.25	1.500	122.72
0.733	9.25	1.533	48.02	2.333	8.35	3.10	5.74	0.733	9.25	1.533	48.02
0.767	9.25	1.567	48.02	2.367	8.35	3.10	5.74	0.767	9.25	1.567	48.02
0.800	10.22	1.600	39.17	2.400	8.35	3.10	5.74	0.800	10.22	1.600	39.17

161

Unit Hyd Qpeak (cms)= 0.834

PEAK FLOW (cms)= 0.808 (1)

TIME TO PEAK (hrs)= 1.533

RUNOFF VOLUME (mm)= 10.830

RUNOFF COEFFICIENT = 0.363

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB

162

NASHVD (0101)
ID= 1 DT= 2.0 min
Area (ha)= 3.15 Curve Number (CN)= 79.0
Ia (mm)= 6.75 # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 0.23

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

TIME		RAIN		TIME		RAIN		TIME		RAIN	
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.033	0.00	0.833	10.22	1.633	30.31	2.43	8.68	0.033	0.00	0.833	10.22
0.067	0.00	0.867	11.47	1.667	30.31	2.47	8.81	0.067	0.00	0.867	11.47
0.100	0.00	0.900	12.72	1.700	30.31	2.50	8.94	0.100	0.00	0.900	12.72
0.133	5.79	0.933	12.30	1.733	22.51	2.53	7.35	0.133	5.79	0.933	12.30
0.167	5.79	0.967	13.13	1.767	20.31	2.57	7.35	0.167	5.79	0.967	13.13
0.200	5.79	1.000	14.48	1.800	18.11	2.60	6.95	0.200	5.79	1.000	14.48
0.233	6.09	1.033	15.48	1.833	18.11	2.63	6.95	0.233	6.09	1.033	15.48
0.267	6.26	1.067	15.49	1.867	15.27	2.67	6.95	0.267	6.26	1.067	15.49
0.300	6.44	1.100	15.49	1.900	15.27	2.70	6.95	0.300	6.44	1.100	15.49
0.333	6.44	1.133	19.66	1.933	14.28	2.73	6.95	0.333	6.44	1.133	19.66
0.367	6.83	1.167	19.66	1.967	13.28	2.77	6.44	0.367	6.83	1.167	19.66
0.400	7.06	1.200	25.29	2.000	11.80	2.80	6.00	0.400	7.06	1.200	25.29
0.433	7.06	1.233	25.29	2.033	11.80	2.83	6.28	0.433	7.06	1.233	25.29
0.467	7.29	1.267	32.12	2.067	11.80	2.87	6.00	0.467	7.29	1.267	32.12
0.500	8.15	1.300	38.95	2.100	10.65	2.90	5.87	0.500	8.15	1.300	38.95
0.533	7.83	1.333	38.95	2.133	10.65	2.93	5.87	0.533	7.83	1.333	38.95
0.567	7.83	1.367	91.83	2.167	10.65	2.97	5.74	0.567	7.83	1.367	91.83
0.600	8.15	1.400	91.83	2.200	9.73	3.00	5.74	0.600	8.15	1.400	91.83
0.633	8.47	1.433	102.72	2.233	9.73	3.00	5.51	0.633	8.47	1.433	102.72
0.667	8.47	1.467	122.72	2.267	9.36	3.07	5.51	0.667	8.47	1.467	122.72
0.700	9.25	1.500	122.72	2.300	8.08	3.10	5.74	0.700	9.25	1.500	122.72
0.733	9.25	1.533	48.02	2.333	8.35	3.10	5.74	0.733	9.25	1.533	48.02
0.767	9.25	1.567	48.02	2.367	8.35	3.10	5.74	0.767	9.25	1.567	48.02
0.800	10.22	1.600	39.17	2.400	8.35	3.10	5.74	0.800	10.22	1.600	39.17

Unit Hyd Qpeak (cms)= 0.523

PEAK FLOW (cms)= 0.105 (1)

TIME TO PEAK (hrs)= 1.733

RUNOFF VOLUME (mm)= 19.855

RUNOFF COEFFICIENT = 0.304

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
NASHVD (0103)
ID= 1 DT= 2.0 min
Area (ha)= 1.47 Curve Number (CN)= 79.0
Ia (mm)= 6.75 # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 0.19

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

TIME		RAIN		TIME		RAIN		TIME		RAIN	
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.033	0.00	0.833	10.22	1.633	30.31	2.43	8.68	0.033	0.00	0.833	10.22
0.067	0.00	0.867	11.47	1.667	30.31	2.47	8.81	0.067	0.00	0.867	11.47
0.100	0.00	0.900	12.72	1.700	30.31	2.50	8.94	0.100	0.00	0.900	12.72
0.133	5.79	0.933	12.30	1.733	22.51	2.53	7.35	0.133	5.79	0.933	12.30
0.167	5.79	0.967	13.13	1.767	20.31	2.57	7.35	0.167	5.79	0.967	13.13
0.200	5.79	1.000	14.48	1.800	18.11	2.60	6.95	0.200	5.79	1.000	14.48
0.233	6.09	1.033	15.48	1.833	18.11	2.63	6.95	0.233	6.09	1.033	15.48
0.267	6.26	1.067	15.49	1.867	15.27	2.67	6.95	0.267	6.26	1.067	15.49
0.300	6.44	1.100	15.49	1.900	15.27	2.70	6.95	0.300	6.44	1.100	15.49
0.333	6.44	1.133	19.66	1.933	14.28	2.73	6.95	0.333	6.44	1.133	19.66
0.367	6.83	1.167	19.66	1.967	13.28	2.77	6.44	0.367	6.83	1.167	19.66
0.400	7.06	1.200	25.29	2.000	11.80	2.80	6.00	0.400	7.06	1.200	25.29
0.433	7.06	1.233	25.29	2.033	11.80	2.83	6.28	0.433	7.06	1.233	25.29
0.467	7.29	1.267	32.12	2.067	11.80	2.87	6.00	0.467	7.29	1.267	32.12
0.500	8.15	1.300	38.95	2.100	10.65	2.90	5.87	0.500	8.15	1.300	38.95
0.533	7.83	1.333	38.95	2.133	10.65	2.93	5.87	0.533	7.83	1.333	38.95
0.567	7.83	1.367	91.83	2.167	10.65	2.97	5.74	0.567	7.83	1.367	91.83
0.600	8.15	1.400	91.83	2.200	9.73	3.00	5.74	0.600	8.15	1.400	91.83
0.633	8.47	1.433	102.72	2.233	9.73	3.00	5.51	0.633	8.47	1.433	102.72
0.667	8.47	1.467	122.72	2.267	9.36	3.07	5.51	0.667	8.47	1.467	122.72
0.700	9.25	1.500	122.72	2.300	8.08	3.10	5.74	0.700	9.25	1.500	122.72
0.733	9.25	1.533	48.02	2.333	8.35	3.10	5.74	0.733	9.25	1.533	48.02
0.767	9.25	1.567	48.02	2.367	8.35	3.10	5.74	0.767	9.25	1.567	48.02
0.800	10.22	1.600	39.17	2.400	8.35	3.10	5.74	0.800	10.22	1.600	39.17

163

0.767 9.74 1.567 48.02 2.367 8.35
0.800 10.22 1.600 39.17 2.400 8.35
Unit Hyd Qpeak (cms)= 0.952
PEAK FLOW (cms)= 0.914 (1)
TIME TO PEAK (hrs)= 1.567
TOTAL RAINFALL (mm)= 19.843
RUNOFF COEFFICIENT = 0.303

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
NASHVD (0108)
ID= 1 DT= 2.0 min
Area (ha)= 0.08 Curve Number (CN)= 79.0
Ia (mm)= 6.75 # of Linear Res.(N)= 3.00
U.H. Tp(hrs)= 0.09

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

TIME		RAIN		TIME		RAIN		TIME		RAIN	
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.033	0.00	0.833	10.22	1.633	30.31	2.43	8.68	0.033	0.00	0.833	10.22
0.067	0.00	0.867	11.47	1.667	30.31	2.47	8.81	0.067	0.00	0.867	11.47
0.100	0.00	0.900	12.72	1.700	30.31	2.50	8.94	0.100	0.00	0.900	12.72
0.133	5.79	0.933	12.30	1.733	22.51	2.53	7.35	0.133	5.79	0.933	12.30
0.167	5.79	0.967	13.13	1.767	20.31	2.57	7.35	0.167	5.79	0.967	13.13
0.200	5.79	1.000	14.48	1.800							

Summary filename:
C:\Users\vmelick\AppData\Local\Clvica\WHS\veife3a4-48f5-416c-bec2-dede8d38cf6\9b7b8
13b-336b-4d3c-b4d0-ba264283b9c5cen
DATE: 10/29/2024
USER:
TIME: 04:15:10
COMMENTS:

** SIMULATION : 059yr 24hr Sain SCS Type II, (**
** ** ** ** **

Filename: C:\Users\vmelick\AppData\Local\Temp\13b-336b-4d3c-b4d0-ba264283b9c5cen-19b8b2c4d3cfead6a070f
Comments: 59yr 24hr Sain SCS Type II (OTO)

READ STORM											
Ptotal=103.60 mm											
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
0.00	0.00	6.68	1.86	12.17	14.92	18.25	1.86	12.17	14.92	18.25	1.86
0.09	1.14	6.17	1.86	12.25	14.92	18.23	1.86	12.25	14.92	18.23	1.86
0.25	1.14	6.33	1.86	12.32	14.92	18.56	1.86	12.32	14.92	18.56	1.86
0.33	1.14	6.42	1.86	12.58	14.92	18.59	1.86	12.58	14.92	18.59	1.86
0.50	1.14	6.58	1.86	12.67	7.67	18.75	1.86	12.67	7.67	18.75	1.86
0.59	1.14	6.67	1.86	12.75	7.67	18.83	1.86	12.75	7.67	18.83	1.86
0.75	1.14	6.83	1.86	12.82	7.67	19.06	1.86	12.82	7.67	19.06	1.86
0.83	1.14	6.92	1.86	13.00	7.67	19.08	1.86	13.00	7.67	19.08	1.86
1.00	1.14	7.08	2.28	13.17	5.59	19.26	1.86	13.17	5.59	19.26	1.86
1.09	1.14	7.17	2.28	13.25	5.59	19.33	1.86	13.25	5.59	19.33	1.86
1.25	1.14	7.25	2.28	13.33	5.59	19.42	1.86	13.33	5.59	19.42	1.86
1.33	1.14	7.42	2.28	13.56	5.59	19.58	1.86	13.56	5.59	19.58	1.86
1.42	1.14	7.58	2.28	13.59	4.35	19.97	1.86	13.59	4.35	19.97	1.86
1.59	1.14	7.67	2.28	13.75	4.35	19.93	1.86	13.75	4.35	19.93	1.86
1.67	1.14	7.75	2.28	13.83	4.35	19.92	1.86	13.83	4.35	19.92	1.86
1.83	1.14	7.92	2.28	14.06	4.35	20.08	1.86	14.06	4.35	20.08	1.86
1.92	1.14	8.08	2.28	14.09	3.11	20.17	1.24	14.09	3.11	20.17	1.24
2.09	1.35	8.19	2.69	14.26	3.11	20.33	1.24	14.26	3.11	20.33	1.24
2.17	1.35	8.25	2.69	14.33	3.11	20.42	1.24	14.33	3.11	20.42	1.24
2.33	1.35	8.42	2.69	14.46	3.11	20.58	1.24	14.46	3.11	20.58	1.24
2.42	1.35	8.58	2.69	14.58	3.11	20.67	1.24	14.58	3.11	20.67	1.24
2.59	1.35	8.58	2.69	14.77	3.11	20.75	1.24	14.77	3.11	20.75	1.24
2.67	1.35	8.75	2.89	14.83	3.11	20.92	1.24	14.83	3.11	20.92	1.24
2.83	1.35	8.92	2.89	14.92	3.11	21.09	1.24	14.92	3.11	21.09	1.24
2.93	1.35	9.32	3.11	15.07	3.11	21.86	1.24	15.07	3.11	21.86	1.24

166

0.367	6.83	1.157	19.06	1.967	13.28	2.77	6.44
0.489	6.83	1.289	25.29	2.899	13.28	2.89	6.28
0.569	6.83	1.369	31.50	3.599	11.80	2.87	6.06
0.649	7.29	1.267	32.12	2.967	11.80	2.87	6.06
0.729	7.29	1.389	38.95	3.789	11.23	2.96	6.09
0.809	7.83	1.367	41.83	3.767	10.95	2.97	5.74
0.889	8.15	1.489	51.83	4.789	9.73	3.00	5.74
0.969	8.15	1.469	51.83	4.769	9.73	3.00	5.74
1.049	8.47	1.437	132.72	4.737	9.76	3.07	5.51
1.129	8.47	1.437	132.72	4.737	9.76	3.07	5.51
1.209	9.25	1.589	122.72	5.289	8.98	3.10	2.76
1.289	9.25	1.589	122.72	5.289	8.98	3.10	2.76
1.369	9.75	1.533	48.62	5.233	8.99		
1.449	9.75	1.533	48.62	5.233	8.99		
1.529	10.21	1.689	39.17	5.489	8.35		

Unit Hyd Qpeak (cms)= 1.705

PEAK FLOW (cms)= 9.734 (1)
PEAK TIME (hrs)= 1.049
RUNOFF VOLUME (mm)= 19.856
TOTAL RAINFALL (mm)= 64.615
RUNOFF COEFFICIENT = 0.364

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0016)											
+ ID2-2 (0009)											
ID = 3 (0016): 19.35 0.997 1.63 19.86											
NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.											

V	V	I	SSSSS	U	U	A	L				
V	V	I	SS	U	U	A	L				
V	V	I	SSS	U	U	AAAA	L				
V	V	I	SSSSS	UUUU	A	A	LLLL				
000	TTTT	TTTT	H	H	Y	Y	M	M	000	TM	
000	T	T	H	H	Y	Y	M	M	0	O	
000	T	T	H	H	Y	Y	M	M	0	O	
000	T	T	H	H	Y	Y	M	M	0	O	
Developed and distributed by Smart City Water Inc											
All rights reserved.											

***** DETAILED OUTPUT *****

Input filename: C:\Program Files (x86)\Visual OTTHMO 6.2\VO2\voln.dat
Output filename:
C:\Users\vmelick\AppData\Local\Clvica\WHS\veife3a4-48f5-416c-bec2-dede8d38cf6\9b7b8
Copyright 2007 - 2022 Smart City Water Inc
13b-336b-4d3c-b4d0-ba264283b9c5cen

165

CALIB (0105)											
Area (ha)= 3.32											
U.H. Tp(hrs)= 0.24											
NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.											
TIME		RAIN		TRANSFORMED HYETOGRAPH		TIME		RAIN		TIME	
mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr
0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053	0.053
0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067	0.067
0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080	0.080
0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167	0.167
0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200	0.200
0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260	0.260
0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360	0.360
0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400
0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460	0.460
0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500
0.560	0.560	0.560	0.560	0.560	0.560	0.560	0.560	0.560	0.560	0.560	0.560
0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
0.660	0.660	0.660	0.660	0.660	0.660	0.660	0.660	0.660	0.660	0.660	0.660
0.700	0.700	0.700	0.700	0.700	0.700	0.700	0.700	0.700	0.700	0.700	0.700
0.760	0.760	0.760	0.760	0.760	0.760	0.760	0.760	0.760	0.760	0.760	0.760
0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800	0.800
0.860	0.860	0.860	0.860	0.860	0.860	0.860	0.860	0.860	0.860	0.860	0.860
0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.900
0.960	0.960	0.960	0.960	0.960	0.960	0.960	0.960	0.960	0.960	0.960	0.960
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060	1.060
1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100	1.100
1.160	1.160	1.160	1.160	1.160	1.160	1.160	1.160	1.160	1.160	1.160	1.160
1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.200
1.260	1.260	1.260	1.260	1.260	1.260	1.260	1.260	1.260	1.260	1.260	1.260
1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300
1.360	1.360	1.360	1.360	1.360	1.360	1.360	1.360	1.360	1.360	1.360	1.360
1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400	1.400
1.460	1.460	1.460	1.460	1.460	1.460	1.460	1.460	1.460	1.460	1.460	1.460
1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500	1.500
1.560	1.560	1.560	1.560	1.560	1.560	1.560	1.560	1.560	1.560	1.560	1.560
1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600	1.600
1.660	1.660	1.660	1.660	1.660	1.660	1.660	1.660	1.660	1.660	1.660	1.660
1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700	1.700
1.760	1.760	1.760	1.760	1.760	1.760	1.760	1.760	1.760	1.760	1.760	1.760
1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800	1.800
1.860	1.860	1.860	1.860	1.860	1.860	1.860	1.860	1.860	1.860	1.860	1.860
1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900	1.900
1.960	1.960	1.960	1.960	1.960	1.960	1.960	1.960	1.960	1.960	1.960	1.960
2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000
2.060	2.060	2.060	2.060	2.060	2.060	2.060	2.060	2.060	2.060	2.060	2.060
2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100	2.100
2.160	2.160	2.160	2.160	2.160	2.160	2.160	2.160	2.160	2.160	2.160	2.160
2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200	2.200
2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260	2.260
2.300	2.300	2.300	2.300	2.300	2.300	2.300	2.300	2.300	2.300	2.300	2.300
2.360	2.360	2.360	2.360	2.360	2.360	2.360	2.360	2.360	2.360	2.360	2.360
2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400	2.400
2.460	2.460	2.460	2.460	2.460	2.460	2.460	2.460	2.460	2.460	2.460	2.460
2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500	2.500
2.560	2.560	2.560	2.560	2.560	2.560	2.560	2.560	2.560	2.560	2.560	2.560
2.600	2.600	2.600	2.600	2.600	2.600	2.600	2.600	2.600	2.600	2.600	2.600
2.660	2.660	2.660	2.660	2.660	2.660	2.660	2.660	2.660	2.660	2.660	2.660
2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700	2.700
2.760	2.760	2.760	2.760	2.760	2.760	2.760	2.760	2.760	2.760	2.760	2.760
2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800	2.800
2.860	2.860	2.860	2.860	2.860	2.860	2.860	2.860	2.860	2.860	2.860	2.860
2.900	2.900	2.900	2.900	2.900	2.900	2.900	2.900	2.900	2.900	2.900	2.900
2.960	2.960	2.960	2.960	2.960	2.960	2.960	2.960	2.960	2.960	2.960	2.960
3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000	3.000
3.060	3.060	3.060	3.060	3.060	3.060	3.060	3.060	3.060	3.060	3.060	3.060
3.100	3.100	3.100	3.100	3.100	3.100	3.100	3.100	3.100	3.100	3.100	3.100
3.160	3.160	3.160	3.160	3.160	3.160	3.160	3.160	3.160	3.160	3.160	3.160
3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200
3.260	3.260	3.260	3.260	3.260	3.260	3.260	3.260	3.260	3.260	3.260	3.260
3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300	3.300
3.360	3.360	3.360	3.360	3.360	3.360	3.360	3.360	3.360	3.360	3.360	3.360
3.400	3.400	3.400	3.400	3.400	3.400	3.400	3.400	3.400	3.400	3.400	3.400
3.460	3.460	3.460	3.460	3.460	3.460	3.460	3.460	3.460	3.460	3.460	3.460
3.500	3.500	3.500	3.500	3.500	3.500	3.500	3.500	3.500	3.500	3.500	3.500
3.560	3.560	3.560	3.560	3.560	3.560	3.560	3.560	3.560	3.560	3.560	3.560
3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600	3.600
3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660	3.660
3.700	3.700	3.700	3.700	3.700	3.700	3.700	3.700	3.700	3.700	3.700	3.700
3.760	3.760	3.760	3.760	3.760	3.760	3.760	3.760	3.760	3.760	3.760	3.760
3.800	3.800	3.800	3.800	3.800	3.800	3.800	3.800	3.800	3.800	3.800	3.800
3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860	3.860
3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900	3.900
3.960	3.960	3.960	3.960	3.960	3.960	3.960	3.960	3.960	3.960	3.960	3.960
4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000	4.000
4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060	4.060
4.100	4.100	4.100	4.100	4.100	4.100	4.100	4.100	4.100	4.100	4.100	4.100
4.160	4.160	4.160	4.160	4.160	4.160	4.160	4.160	4.160	4.160	4.160	4.160
4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200	4.200
4.260	4.260	4.260	4.260	4.260	4.260	4.260	4.260	4.260	4.260	4.260	4.260
4.300	4.300	4.300	4.300	4.300	4.300	4.300	4.300	4.300	4.300	4.300	4.300
4.360	4.360	4.360	4.360	4.360	4.360	4.360	4.360	4.360	4.360	4.360	4.360
4.400	4.400	4.400	4.400	4.400	4.400	4.400	4.400	4.400	4.400	4.400	4.400
4.460	4.460	4.460	4.460	4.460	4.460	4.460	4.460	4.460	4.460	4.460	4.460
4.500	4.500	4.500	4.500	4.500	4.500	4.500	4.500	4.500	4.500	4.500	4.500
4.560	4.560	4.560	4.560	4.560	4.560	4.560	4.560	4.560	4.560	4.560	4.560
4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600	4.600
4.660	4.660	4.660	4.660	4.660	4.660	4.660	4.660	4.660	4.660	4.660	4.660
4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700	4.700
4.760	4.760	4.760	4.760	4.760	4.760	4.760	4.760	4.760	4.760	4.760	4.760
4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800	4.800		

2.533	1.35	8.567	2.69	14.609	3.11	20.63	1.24
2.567	1.35	8.600	2.69	14.633	3.11	20.67	1.24
2.600	1.35	8.633	2.69	14.657	3.11	20.71	1.24
2.633	1.35	8.667	2.69	14.700	3.11	20.75	1.24
2.667	1.35	8.700	2.69	14.733	3.11	20.79	1.24
2.700	1.35	8.733	2.69	14.767	3.11	20.83	1.24
2.733	1.35	8.767	2.69	14.800	3.11	20.87	1.24
2.767	1.35	8.800	2.69	14.833	3.11	20.91	1.24
2.800	1.35	8.833	2.69	14.867	3.11	20.95	1.24
2.833	1.35	8.867	2.69	14.900	3.11	20.99	1.24
2.867	1.35	8.900	2.69	14.933	3.11	21.03	1.24
2.900	1.35	8.933	2.69	14.967	3.11	21.07	1.24
2.933	1.35	8.967	2.69	15.000	3.11	21.11	1.24
2.967	1.35	9.000	2.69	15.033	3.11	21.15	1.24
3.000	1.35	9.033	2.69	15.067	3.11	21.19	1.24
3.033	1.35	9.067	2.69	15.100	3.11	21.23	1.24
3.067	1.35	9.100	2.69	15.133	3.11	21.27	1.24
3.100	1.35	9.133	2.69	15.167	3.11	21.31	1.24
3.133	1.35	9.167	2.69	15.200	3.11	21.35	1.24
3.167	1.35	9.200	2.69	15.233	3.11	21.39	1.24
3.200	1.35	9.233	2.69	15.267	3.11	21.43	1.24
3.233	1.35	9.267	2.69	15.300	3.11	21.47	1.24
3.267	1.35	9.300	2.69	15.333	3.11	21.51	1.24
3.300	1.35	9.333	2.69	15.367	3.11	21.55	1.24
3.333	1.35	9.367	2.69	15.400	3.11	21.59	1.24
3.367	1.35	9.400	2.69	15.433	3.11	21.63	1.24
3.400	1.35	9.433	2.69	15.467	3.11	21.67	1.24
3.433	1.35	9.467	2.69	15.500	3.11	21.71	1.24
3.467	1.35	9.500	2.69	15.533	3.11	21.75	1.24
3.500	1.35	9.533	2.69	15.567	3.11	21.79	1.24
3.533	1.35	9.567	2.69	15.600	3.11	21.83	1.24
3.567	1.35	9.600	2.69	15.633	3.11	21.87	1.24
3.600	1.35	9.633	2.69	15.667	3.11	21.91	1.24
3.633	1.35	9.667	2.69	15.700	3.11	21.95	1.24
3.667	1.35	9.700	2.69	15.733	3.11	21.99	1.24
3.700	1.35	9.733	2.69	15.767	3.11	22.03	1.24
3.733	1.35	9.767	2.69	15.800	3.11	22.07	1.24
3.767	1.35	9.800	2.69	15.833	3.11	22.11	1.24
3.800	1.35	9.833	2.69	15.867	3.11	22.15	1.24
3.833	1.35	9.867	2.69	15.900	3.11	22.19	1.24
3.867	1.35	9.900	2.69	15.933	3.11	22.23	1.24
3.900	1.35	9.933	2.69	15.967	3.11	22.27	1.24
3.933	1.35	9.967	2.69	16.000	3.11	22.31	1.24
3.967	1.35	10.000	2.69	16.033	3.11	22.35	1.24
4.000	1.35	10.033	2.69	16.067	3.11	22.39	1.24
4.033	1.35	10.067	2.69	16.100	3.11	22.43	1.24
4.067	1.35	10.100	2.69	16.133	3.11	22.47	1.24
4.100	1.35	10.133	2.69	16.167	3.11	22.51	1.24
4.133	1.35	10.167	2.69	16.200	3.11	22.55	1.24
4.167	1.35	10.200	2.69	16.233	3.11	22.59	1.24
4.200	1.35	10.233	2.69	16.267	3.11	22.63	1.24
4.233	1.35	10.267	2.69	16.300	3.11	22.67	1.24
4.267	1.35	10.300	2.69	16.333	3.11	22.71	1.24
4.300	1.35	10.333	2.69	16.367	3.11	22.75	1.24
4.333	1.35	10.367	2.69	16.400	3.11	22.79	1.24
4.367	1.35	10.400	2.69	16.433	3.11	22.83	1.24
4.400	1.35	10.433	2.69	16.467	3.11	22.87	1.24
4.433	1.35	10.467	2.69	16.500	3.11	22.91	1.24
4.467	1.35	10.500	2.69	16.533	3.11	22.95	1.24
4.500	1.35	10.533	2.69	16.567	3.11	22.99	1.24
4.533	1.35	10.567	2.69	16.600	3.11	23.03	1.24
4.567	1.35	10.600	2.69	16.633	3.11	23.07	1.24
4.600	1.35	10.633	2.69	16.667	3.11	23.11	1.24
4.633	1.35	10.667	2.69	16.700	3.11	23.15	1.24

169

170

----- TRANSFORMED METEOROGRAPH -----

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

Unit Hyd Gpeak (cms)= 0.528

PEAK FLOW (cms)= 0.440 (1)

TIME TO PEAK (hrs)= 12.289

TOTAL RAINFALL (mm)= 183.599

RUNOFF COEFFICIENT = 0.551

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

----- TRANSFORMED METEOROGRAPH -----

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

Unit Hyd Gpeak (cms)= 0.528

PEAK FLOW (cms)= 0.440 (1)

TIME TO PEAK (hrs)= 12.289

TOTAL RAINFALL (mm)= 183.599

RUNOFF COEFFICIENT = 0.551

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

----- TRANSFORMED METEOROGRAPH -----

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

2.867	1.35	8.990	2.99	14.933	3.11	20.97	1.24	1.24	3.933	1.35	9.967	3.73	16.098	3.11	22.93	1.24
2.883	1.35	8.917	2.99	14.959	3.11	20.98	1.24	1.24	3.969	1.35	9.983	3.73	16.017	3.11	22.95	1.24
2.907	1.35	8.959	2.99	14.985	3.11	21.02	1.24	1.24	3.993	1.35	10.017	3.73	16.069	3.11	22.96	1.24
2.933	1.35	8.967	2.99	15.009	3.11	21.03	1.24	1.24	4.009	1.35	10.033	3.73	16.067	3.11	22.98	1.24
2.967	1.35	9.000	2.99	15.033	3.11	21.07	1.24	1.24	4.033	1.35	10.069	3.73	16.100	1.81	22.13	1.24
2.983	1.35	9.017	2.99	15.059	3.11	21.08	1.24	1.24	4.069	1.35	10.083	3.73	16.117	1.86	22.15	1.24
3.007	1.35	9.033	2.99	15.085	3.11	21.12	1.24	1.24	4.093	1.35	10.119	4.77	16.183	1.86	22.16	1.24
3.033	1.35	9.067	2.99	15.109	3.11	21.13	1.24	1.24	4.100	1.35	10.133	4.77	16.167	1.86	22.18	1.24
3.069	1.35	9.083	2.99	15.117	3.11	21.15	1.24	1.24	4.117	1.35	10.150	4.77	16.183	1.86	22.22	1.24
3.083	1.35	9.117	3.32	15.159	3.11	21.18	1.24	1.24	4.150	1.35	10.183	4.77	16.117	1.86	22.25	1.24
3.109	1.35	9.133	3.32	15.167	3.11	21.20	1.24	1.24	4.167	1.35	10.200	4.77	16.233	1.86	22.27	1.24
3.139	1.35	9.167	3.32	15.208	3.11	21.23	1.24	1.24	4.200	1.35	10.233	4.77	16.267	1.86	22.30	1.24
3.163	1.35	9.217	3.32	15.250	3.11	21.25	1.24	1.24	4.217	1.35	10.259	4.77	16.283	1.86	22.32	1.24
3.183	1.35	9.233	3.32	15.267	3.11	21.26	1.24	1.24	4.250	1.35	10.283	4.77	16.317	1.86	22.35	1.24
3.209	1.35	9.283	3.32	15.297	3.11	21.30	1.24	1.24	4.267	1.35	10.309	4.77	16.333	1.86	22.37	1.24
3.233	1.35	9.297	3.32	15.306	3.11	21.33	1.24	1.24	4.300	1.35	10.333	4.77	16.367	1.86	22.40	1.24
3.259	1.35	9.283	3.32	15.317	3.11	21.35	1.24	1.24	4.317	1.35	10.350	4.77	16.383	1.86	22.42	1.24
3.283	1.35	9.317	3.32	15.353	3.11	21.38	1.24	1.24	4.350	1.35	10.383	4.77	16.417	1.86	22.45	1.24
3.303	1.35	9.333	3.32	15.367	3.11	21.40	1.24	1.24	4.367	1.35	10.400	4.77	16.433	1.86	22.47	1.24
3.337	1.35	9.389	3.32	15.383	3.11	21.45	1.24	1.24	4.383	1.35	10.417	4.77	16.469	1.86	22.48	1.24
3.367	1.35	9.409	3.32	15.433	3.11	21.47	1.24	1.24	4.417	1.35	10.459	4.77	16.483	1.86	22.52	1.24
3.359	1.35	9.383	3.32	15.417	3.11	21.45	1.24	1.24	4.417	1.35	10.459	4.77	16.483	1.86	22.52	1.24
3.400	1.35	9.433	3.32	15.467	3.11	21.59	1.24	1.24	4.467	1.35	10.500	4.77	16.533	1.86	22.57	1.24
3.417	1.35	9.459	3.32	15.483	3.11	21.52	1.24	1.24	4.483	1.35	10.517	4.77	16.559	1.86	22.58	1.24
3.459	1.35	9.483	3.32	15.517	3.11	21.55	1.24	1.24	4.517	1.35	10.550	4.77	16.583	1.86	22.62	1.24
3.487	1.35	9.509	3.32	15.533	3.11	21.57	1.24	1.24	4.533	1.35	10.567	4.77	16.609	1.86	22.63	1.24
3.517	1.35	9.559	3.32	15.593	3.11	21.62	1.24	1.24	4.567	1.35	10.609	4.77	16.633	1.86	22.67	1.24
3.537	1.35	9.579	3.32	15.617	3.11	21.65	1.24	1.24	4.583	1.35	10.617	4.77	16.659	1.86	22.68	1.24
3.569	1.35	9.583	3.32	15.619	3.11	21.65	1.24	1.24	4.617	1.35	10.659	4.77	16.683	1.86	22.72	1.24
3.587	1.35	9.600	3.32	15.633	3.11	21.67	1.24	1.24	4.633	1.35	10.667	4.77	16.683	1.86	22.73	1.24
3.617	1.35	9.617	3.32	15.659	3.11	21.69	1.24	1.24	4.669	1.35	10.683	4.77	16.717	1.86	22.77	1.24
3.633	1.35	9.659	3.32	15.683	3.11	21.72	1.24	1.24	4.683	1.35	10.717	4.77	16.733	1.86	22.78	1.24
3.653	1.35	9.667	3.32	15.709	3.11	21.73	1.24	1.24	4.709	1.35	10.733	4.77	16.767	1.86	22.89	1.24
3.667	1.35	9.709	3.32	15.733	3.11	21.77	1.24	1.24	4.733	1.35	10.767	4.77	16.809	1.86	22.93	1.24
3.703	1.35	9.717	3.32	15.759	3.11	21.78	1.24	1.24	4.769	1.35	10.783	4.77	16.817	1.86	22.85	1.24
3.717	1.35	9.759	3.32	15.783	3.11	21.82	1.24	1.24	4.783	1.35	10.817	4.77	16.833	1.86	22.86	1.24
3.737	1.35	9.767	3.32	15.809	3.11	21.83	1.24	1.24	4.809	1.35	10.833	4.77	16.867	1.86	22.89	1.24
3.757	1.35	9.800	3.32	15.833	3.11	21.87	1.24	1.24	4.833	1.35	10.869	4.77	16.900	1.86	22.93	1.24
3.783	1.35	9.817	3.32	15.859	3.11	21.88	1.24	1.24	4.859	1.35	10.883	4.77	16.917	1.86	22.95	1.24
3.807	1.35	9.859	3.32	15.883	3.11	21.92	1.24	1.24	4.883	1.35	10.919	4.77	16.949	1.86	22.96	1.24
3.833	1.35	9.867	3.32	15.909	3.11	21.93	1.24	1.24	4.909	1.35	10.933	4.77	16.967	1.86	23.00	1.24
3.857	1.35	9.883	3.32	15.937	3.11	21.97	1.24	1.24	4.933	1.35	10.959	4.77	16.983	1.86	23.02	1.24
3.883	1.35	9.917	3.32	15.959	3.11	21.98	1.24	1.24	4.959	1.35	10.983	4.77	17.017	1.86	23.05	1.24
3.909	1.35	9.933	3.11	15.967	3.11	22.00	1.24	1.24	4.967	1.35	11.000	4.77	17.033	1.86	23.07	1.24
3.917	1.35	9.930	3.11	15.963	3.11	22.02	1.24	1.24	4.985	1.35	11.017	4.77	17.059	1.86	23.08	1.24

178

177

5.009	1.66	11.033	6.42	17.967	1.86	23.10	1.24	1.24	126.81	159.93	0.14	0.219 (111)	1.86
5.017	1.66	11.059	6.42	17.983	1.86	23.12	1.24	1.24	5.89	18.00	10.00 (11)	12.10	1.86
5.069	1.66	11.063	6.42	17.117	1.86	23.15	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.087	1.66	11.109	9.95	17.133	1.86	23.17	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.107	1.66	11.133	9.95	17.169	1.86	23.20	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.117	1.66	11.159	9.95	17.183	1.86	23.22	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.137	1.66	11.183	9.95	17.219	1.86	23.25	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.157	1.66	11.200	9.95	17.233	1.86	23.27	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.183	1.66	11.217	9.95	17.259	1.86	23.28	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.203	1.66	11.259	9.95	17.283	1.86	23.32	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.233	1.66	11.267	9.95	17.309	1.86	23.33	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.257	1.66	11.317	9.95	17.333	1.86	23.37	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.283	1.66	11.317	9.95	17.359	1.86	23.38	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.307	1.66	11.359	9.95	17.383	1.86	23.42	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.333	1.66	11.367	9.95	17.409	1.86	23.43	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.357	1.66	11.400	9.95	17.433	1.86	23.47	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.383	1.66	11.417	9.95	17.459	1.86	23.48	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.407	1.66	11.430	9.95	17.483	1.86	23.52	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.433	1.66	11.467	9.95	17.509	1.86	23.53	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.459	1.66	11.483	9.95	17.537	1.86	23.55	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.489	1.66	11.517	9.95	17.559	1.86	23.58	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.509	1.66	11.533	9.95	17.567	1.86	23.60	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.539	1.66	11.567	9.95	17.609	1.86	23.63	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.559	1.66	11.583	9.95	17.617	1.86	23.65	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.589	1.66	11.617	9.95	17.659	1.86	23.68	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.609	1.66	11.633	9.95	17.667	1.86	23.70	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.639	1.66	11.663	9.95	17.717	1.86	23.75	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.659	1.66	11.683	9.95	17.759	1.86	23.78	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.689	1.66	11.717	9.95	17.783	1.86	23.82	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.709	1.66	11.733	9.95	17.783	1.86	23.80	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.733	1.66	11.759	9.95	17.809	1.86	23.83	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.759	1.66	11.783	9.95	17.817	1.86	23.85	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.789	1.66	11.809	9.95	17.833	1.86	23.87	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.809	1.66	11.833	9.95	17.867	1.86	23.90	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.839	1.66	11.867	12.61	17.909	1.86	23.92	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.859	1.66	11.883	12.61	17.917	1.86	23.95	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.889	1.66	11.917	12.61	17.959	1.86	23.97	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.909	1.66	11.933	12.61	17.967	1.86	24.00	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.933	1.66	11.967	12.61	18.009	1.86	24.02	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.959	1.66	11.983	12.61	18.017	1.86	24.05	1.24	1.24	5.89	18.00	10.00	12.10	1.86
5.983	1.66	12.017	12.61	18.053	1.86	24.07	1.24	1.24	5.89	18.00	10.00	12.10	1.86
6.009	1.66	12.033	12.61	18.067	1.86	24.10	1.24	1.24	5.89	18.00	10.00	12.10	1.86
6.037	1.66	12.067	12.61	18.083	1.86	24.13	1.24	1.24	5.89	18.00	10.00	12.10	1.86

(1) CM PROCEDURE SELECTED FOR PREVIOUS LOSSES:

(11) TON = 79.0 Ibs = Dep. Storage (Above)

(111) TON = 79.0 Ibs = Dep. Storage (Below)

(111) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

Area (ha) = 0.35 Curve Number (CN) = 79.0

U. A. Tr (hrs) = 0.11

of Linear Res. (n) = 3.00

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

TRANSFORMED HYETOGRAPH

TIME	RAIN	TIME	RAIN	TIME	RAIN
0.833	0.00	6.967	1.66	12.100	70.70
0.967	0.00	6.300	1.66	12.133	18.13
1.100	0.00	6.300	1.66	12.133	14.92
1.133	1.14	6.167	1.86	12.260	14.92
1.167	1.14	6.200	1.86	12.233	14.92
1.200	1.14	6.200	1.86	12.233	14.92
1.233	1.14	6.267	1.86	12.360	14.92
1.267	1.14	6.300	1.86	12.333	14.92
1.300	1.14	6.300	1.86	12.333	14.92
1.333	1.14	6.367	1.86	12.400	14.92
1.367	1.14	6.400	1.86	12.433	14.92
1.400	1.14	6.400	1.86	12.433	14.92
1.433	1.14	6.467	1.86	12.500	14.92
1.467	1.14	6.467	1.86	12.533	14.92
1.500	1.14	6.500	1.86	12.533	14.92
1.533	1.14	6.567	1.86	12.600	11.26
1.567	1.14	6.567	1.86	12.633	7.67
1.600	1.14	6.600	1.86	12.700	7.67
1.633	1.14	6.667	1.86	12.733	7.67
1.667	1.14	6.700	1.86	12.800	7.67
1.700	1.14	6.733	1.86	12.833	7.67
1.733	1.14	6.800	1.86	12.833	7.67
1.767	1.14	6.833	1.86	12.900	7.67
1.800	1.14	6.833	1.86	12.933	7.67
1.833	1.14	6.900	1.86	12.933	7.67
1.867	1.14	6.933	1.86	13.000	7.67
1.900	1.14	6.933	1.86	13.033	7.67
1.933	1.14	6.967	1.86	13.067	7.67
1.967	1.14	7.000	1.86	13.133	5.59
2.000	1.14	7.033	1.86	13.133	5.59
2.033	1.14	7.100	1.86	13.133	5.59
2.067	1.14	7.167	1.86	13.133	5.59

1.100	1.14	7.133	2.28	13.167	5.59	19.20	1.86	1.24
1.167	1.14	7.167	2.28	13.290	5.59	19.23	1.86	1.24
1.233	1.14	7.233	2.28	13.267	5.59	19.30	1.86	1.24
1.260	1.14	7.267	2.28	13.360	5.59	19.36	1.86	1.24
1.300	1.14	7.300	2.28	13.367	5.59	19.40	1.86	1.24
1.333	1.14	7.367	2.28	13.400	5.59	19.43	1.86	1.24
1.360	1.14	7.400	2.28	13.463	5.59	19.46	1.86	1.24
1.400	1.14	7.467	2.28	13.467	5.59	19.50	1.86	1.24
1.433	1.14	7.467	2.28	13.500	5.59	19.53	1.86	1.24
1.467	1.14	7.500	2.28	13.533	5.59	19.57	1.86	1.24
1.500	1.14	7.567	2.28	13.533	5.59	19.60	1.86	1.24
1.533	1.14	7.567	2.28	13.600	5.59	19.63	1.86	1.24
1.567	1.14	7.600	2.28	13.633	5.59	19.67	1.86	1.24
1.600	1.14	7.667	2.28	13.700	5.59	19.73	1.86	1.24
1.633	1.14	7.700	2.28	13.733	5.59	19.76	1.86	1.24
1.667	1.14	7.767	2.28	13.800	5.59	19.83	1.86	1.24
1.700	1.14	7.800	2.28	13.833	5.59	19.87	1.86	1.24
1.733	1.14	7.867	2.28	13.866	5.59	19.93	1.86	1.24
1.767	1.14	7.867	2.28	13.933	5.59	19.97	1.86	1.24
1.800	1.14	7.900	2.28	13.933	5.59	20.00	1.86	1.24
1.833	1.14	7.967	2.28	14.000	5.59	20.03	1.86	1.24
1.867	1.14	8.000	2.28	14.033	5.59	20.07	1.86	1.24
1.900	1.14	8.067	2.28	14.133	5.59	20.17	1.86	1.24
1.933	1.14	8.100	2.28	14.133	5.59	20.27	1.86	1.24
1.967	1.14	8.167	2.28	14.233	5.59	20.37	1.86	1.24
2.000	1.14	8.233	2.28	14.267	5.59	20.40	1.86	1.24
2.033	1.14	8.267	2.28	14.333	5.59	20.46	1.86	1.24
2.067	1.14	8.333	2.28	14.367	5.59	20.53	1.86	1.24
2.100	1.14	8.400	2.28	14.433	5.59	20.57	1.86	1.24
2.133	1.14	8.433	2.28	14.467	5.59	20.60	1.86	1.24
2.167	1.14	8.500	2.28	14.533	5.59	20.67	1.86	1.24
2.200	1.14	8.533	2.28	14.567	5.59	20.70	1.86	1.24
2.233	1.14	8.567	2.28	14.600	5.59	20.73	1.86	1.24
2.267	1.14	8.633	2.28	14.667	5.59	20.76	1.86	1.24
2.300	1.14	8.667	2.28	14.700	5.59	20.77	1.86	1.24
2.333	1.14	8.733	2.28	14.767	5.59	20.86	1.86	1.24
2.367	1.14	8.767	2.28	14.833	5.59	20.93	1.86	1.24
2.400	1.14	8.833	2.28	14.867	5.59	20.96	1.86	1.24
2.433	1.14	8.867	2.28	14.900	5.59	21.03	1.86	1.24
2.467	1.14	8.933	2.28	14.967	5.59	21.06	1.86	1.24
2.500	1.14	8.967	2.28	15.000	5.59	21.09	1.86	1.24
2.533	1.14	9.033	2.28	15.067	5.59	21.13	1.86	1.24
2.567	1.14	9.067	2.28	15.133	5.59	21.16	1.86	1.24
2.600	1.14	9.133	2.28	15.167	5.59	21.20	1.86	1.24
2.633	1.14	9.167	2.28	15.200	5.59	21.23	1.86	1.24
2.667	1.14	9.233	2.28	15.267	5.59	21.27	1.86	1.24
2.700	1.14	9.267	2.28	15.333	5.59	21.31	1.86	1.24
2.733	1.14	9.300	2.28	15.367	5.59	21.36	1.86	1.24
2.767	1.14	9.333	2.28	15.433	5.59	21.40	1.86	1.24
2.800	1.14	9.367	2.28	15.467	5.59	21.47	1.86	1.24
2.833	1.14	9.433	2.28	15.533	5.59	21.50	1.86	1.24
2.867	1.14	9.467	2.28	15.600	5.59	21.57	1.86	1.24
2.900	1.14	9.500	2.28	15.633	5.59	21.60	1.86	1.24
2.933	1.14	9.533	2.28	15.667	5.59	21.63	1.86	1.24
2.967	1.14	9.600	2.28	15.733	5.59	21.67	1.86	1.24
3.000	1.14	9.633	2.28	15.800	5.59	21.70	1.86	1.24
3.033	1.14	9.667	2.28	15.867	5.59	21.73	1.86	1.24
3.067	1.14	9.733	2.28	15.933	5.59	21.77	1.86	1.24
3.100	1.14	9.767	2.28	16.000	5.59	21.80	1.86	1.24
3.133	1.14	9.833	2.28	16.067	5.59	21.83	1.86	1.24
3.167	1.14	9.867	2.28	16.133	5.59	21.87	1.86	1.24
3.200	1.14	9.933	2.28	16.200	5.59	21.90	1.86	1.24

182

181

5.367	1.66	11.490	9.95	17.433	1.86	23.47	1.24	1.86
5.400	1.66	11.433	9.95	17.467	1.86	23.50	1.24	1.86
5.433	1.66	11.500	9.95	17.533	1.86	23.57	1.24	1.86
5.467	1.66	11.533	9.95	17.567	1.86	23.60	1.24	1.86
5.500	1.66	11.567	9.95	17.600	1.86	23.63	1.24	1.86
5.533	1.66	11.600	20.33	17.633	1.86	23.67	1.24	1.86
5.567	1.66	11.633	30.67	17.667	1.86	23.70	1.24	1.86
5.600	1.66	11.667	30.67	17.700	1.86	23.73	1.24	1.86
5.633	1.66	11.700	30.67	17.733	1.86	23.77	1.24	1.86
5.667	1.66	11.733	30.67	17.767	1.86	23.80	1.24	1.86
5.700	1.66	11.767	30.67	17.800	1.86	23.83	1.24	1.86
5.733	1.66	11.833	30.67	17.867	1.86	23.90	1.24	1.86
5.767	1.66	11.867	126.81	17.900	1.86	23.93	1.24	1.86
5.800	1.66	11.933	126.81	17.967	1.86	24.00	1.24	1.86
5.833	1.66	11.967	126.81	18.000	1.86	24.03	1.24	1.86
5.867	1.66	12.033	126.81	18.067	1.86	24.10	1.24	1.86
5.900	1.66	12.067	126.81	18.133	1.86	24.16	1.24	1.86
5.933	1.66	12.133	126.81	18.200	1.86	24.23	1.24	1.86
5.967	1.66	12.167	126.81	18.267	1.86	24.30	1.24	1.86
6.000	1.66	12.233	126.81	18.333	1.86	24.36	1.24	1.86
6.033	1.66	12.267	126.81	18.400	1.86	24.43	1.24	1.86
6.067	1.66	12.333	126.81	18.467	1.86	24.50	1.24	1.86
6.100	1.66	12.367	126.81	18.533	1.86	24.57	1.24	1.86
6.133	1.66	12.400	126.81	18.600	1.86	24.63	1.24	1.86
6.167	1.66	12.433	126.81	18.667	1.86	24.70	1.24	1.86
6.200	1.66	12.467	126.81	18.733	1.86	24.77	1.24	1.86
6.233	1.66	12.500	126.81	18.800	1.86	24.83	1.24	1.86
6.267	1.66	12.533	126.81	18.867	1.86	24.90	1.24	1.86
6.300	1.66	12.567	126.81	18.933	1.86	24.97	1.24	1.86
6.333	1.66	12.600	126.81	19.000	1.86	25.03	1.24	1.86
6.367	1.66	12.633	126.81	19.067	1.86	25.10	1.24	1.86
6.400	1.66	12.667	126.81	19.133	1.86	25.17	1.24	1.86
6.433	1.66	12.700	126.81	19.200	1.86	25.23	1.24	1.86
6.467	1.66	12.733	126.81	19.267	1.86	25.30	1.24	1.86
6.500	1.66	12.767	126.81	19.333	1.86	25.37	1.24	1.86
6.533	1.66	12.800	126.81	19.400	1.86	25.43	1.24	1.86
6.567	1.66	12.833	126.81	19.467	1.86	25.50	1.24	1.86
6.600	1.66	12.867	126.81	19.533	1.86	25.57	1.24	1.86
6.633	1.66	12.900	126.81	19.600	1.86	25.63	1.24	1.86
6.667	1.66	12.933	126.81	19.667	1.86	25.70	1.24	1.86
6.700	1.66	12.967	126.81	19.733	1.86	25.77	1.24	1.86
6.733	1.66	13.000	126.81	19.800	1.86	25.83	1.24	1.86
6.767	1.66	13.033	126.81	19.867	1.86	25.90	1.24	1.86
6.800	1.66	13.067	126.81	19.933	1.86	25.97	1.24	1.86
6.833	1.66	13.100	126.81	20.000	1.86	26.03	1.24	1.86
6.867	1.66	13.133	126.81	20.067	1.86	26.10	1.24	1.86
6.900	1.66	13.167	126.81	20.133	1.86	26.17	1.24	1.86
6.933	1.66	13.200	126.81	20.200	1.86	26.23	1.24	1.86
6.967	1.66	13.233	126.81	20.267	1.86	26.30	1.24	1.86
7.000	1.66	13.267	126.81	20.333	1.86	26.37	1.24	1.86
7.033	1.66	13.300	126.81	20.400	1.86	26.43	1.24	1.86
7.067	1.66	13.333	126.81	20.467	1.86	26.50	1.24	1.86
7.100	1.66	13.367	126.81	20.533	1.86	26.57	1.24	1.86
7.133	1.66	13.400	126.81	20.600	1.86	26.63	1.24	1.86
7.167	1.66	13.433	126.81	20.667	1.86	26.70	1.24	1.86
7.200	1.66	13.467	126.81	20.733	1.86	26.77	1.24	1.86
7.233	1.66	13.500	126.81	20.800	1.86	26.83	1.24	1.86
7.267	1.66	13.533	126.81	20.867	1.86	26.90	1.24	1.86
7.300	1.66	13.567	126.81	20.933	1.86	26.97	1.24	1.86
7.333	1.66	13.600	126.81	21.000	1.86	27.03	1.24	1.86
7.367	1.66	13.633	126.81	21.067	1.86	27.10	1.24	1.86
7.400	1.66	13.667	126.81	21.133	1.86	27.17	1.24	1.86
7.433	1.66	13.700	126.81	21.200	1.86	27.23	1.24	1.86
7.467	1.66	13.733	126.81	21.267	1.86	27.30	1.24	1.86
7.500	1.66	13.767	126.81	21.333	1.86	27.37	1.24	1.86
7.533	1.66	13.800	126.81	21.400	1.86	27.43	1.24	1.86
7.567	1.66	13.833	126.81	21.467	1.86	27.50	1.24	1.86
7.600	1.66	13.867	126.81	21.533	1.86	27.57	1.24	1.86
7.633	1.66	13.900	126.81	21.600	1.86	27.63	1.24	1.86</

2.8900	1.35	8.833	2.99	14.967	3.11	20.99	1.24
2.8833	1.35	8.867	2.99	14.999	3.11	20.93	1.24
2.8767	1.35	8.900	2.99	15.031	3.11	20.87	1.24
2.8700	1.35	8.933	2.99	15.063	3.11	20.81	1.24
2.8633	1.35	8.967	2.99	15.096	3.11	20.75	1.24
2.8567	1.35	9.000	2.99	15.128	3.11	20.69	1.24
3.0600	1.35	9.033	2.99	15.161	3.11	20.63	1.24
3.0533	1.35	9.067	2.99	15.193	3.11	20.57	1.24
3.0467	1.35	9.100	2.99	15.226	3.11	20.51	1.24
3.0400	1.35	9.133	2.99	15.258	3.11	20.45	1.24
3.0333	1.35	9.167	2.99	15.291	3.11	20.39	1.24
3.0267	1.35	9.200	2.99	15.323	3.11	20.33	1.24
3.0200	1.35	9.233	2.99	15.356	3.11	20.27	1.24
3.0133	1.35	9.267	2.99	15.388	3.11	20.21	1.24
3.0067	1.35	9.300	2.99	15.421	3.11	20.15	1.24
3.0000	1.35	9.333	2.99	15.453	3.11	20.09	1.24
2.9933	1.35	9.367	2.99	15.486	3.11	20.03	1.24
2.9867	1.35	9.400	2.99	15.518	3.11	19.97	1.24
2.9800	1.35	9.433	2.99	15.551	3.11	19.91	1.24
2.9733	1.35	9.467	2.99	15.583	3.11	19.85	1.24
2.9667	1.35	9.500	2.99	15.616	3.11	19.79	1.24
2.9600	1.35	9.533	2.99	15.648	3.11	19.73	1.24
2.9533	1.35	9.567	2.99	15.681	3.11	19.67	1.24
2.9467	1.35	9.600	2.99	15.713	3.11	19.61	1.24
2.9400	1.35	9.633	2.99	15.746	3.11	19.55	1.24
2.9333	1.35	9.667	2.99	15.778	3.11	19.49	1.24
2.9267	1.35	9.700	2.99	15.811	3.11	19.43	1.24
2.9200	1.35	9.733	2.99	15.843	3.11	19.37	1.24
2.9133	1.35	9.767	2.99	15.876	3.11	19.31	1.24
2.9067	1.35	9.800	2.99	15.908	3.11	19.25	1.24
2.9000	1.35	9.833	2.99	15.941	3.11	19.19	1.24
2.8933	1.35	9.867	2.99	15.973	3.11	19.13	1.24
2.8867	1.35	9.900	2.99	16.006	3.11	19.07	1.24
2.8800	1.35	9.933	2.99	16.038	3.11	19.01	1.24
2.8733	1.35	9.967	2.99	16.071	3.11	18.95	1.24
2.8667	1.35	10.000	2.99	16.103	3.11	18.89	1.24
2.8600	1.35	10.033	2.99	16.136	3.11	18.83	1.24
2.8533	1.35	10.067	2.99	16.168	3.11	18.77	1.24
2.8467	1.35	10.100	2.99	16.201	3.11	18.71	1.24
2.8400	1.35	10.133	2.99	16.233	3.11	18.65	1.24
2.8333	1.35	10.167	2.99	16.266	3.11	18.59	1.24
2.8267	1.35	10.200	2.99	16.298	3.11	18.53	1.24
2.8200	1.35	10.233	2.99	16.331	3.11	18.47	1.24
2.8133	1.35	10.267	2.99	16.363	3.11	18.41	1.24
2.8067	1.35	10.300	2.99	16.396	3.11	18.35	1.24
2.8000	1.35	10.333	2.99	16.428	3.11	18.29	1.24
2.7933	1.35	10.367	2.99	16.461	3.11	18.23	1.24
2.7867	1.35	10.400	2.99	16.493	3.11	18.17	1.24
2.7800	1.35	10.433	2.99	16.526	3.11	18.11	1.24
2.7733	1.35	10.467	2.99	16.558	3.11	18.05	1.24
2.7667	1.35	10.500	2.99	16.591	3.11	17.99	1.24
2.7600	1.35	10.533	2.99	16.623	3.11	17.93	1.24
2.7533	1.35	10.567	2.99	16.656	3.11	17.87	1.24
2.7467	1.35	10.600	2.99	16.688	3.11	17.81	1.24
2.7400	1.35	10.633	2.99	16.721	3.11	17.75	1.24
2.7333	1.35	10.667	2.99	16.753	3.11	17.69	1.24
2.7267	1.35	10.700	2.99	16.786	3.11	17.63	1.24
2.7200	1.35	10.733	2.99	16.818	3.11	17.57	1.24
2.7133	1.35	10.767	2.99	16.851	3.11	17.51	1.24
2.7067	1.35	10.800	2.99	16.883	3.11	17.45	1.24
2.7000	1.35	10.833	2.99	16.916	3.11	17.39	1.24
2.6933	1.35	10.867	2.99	16.948	3.11	17.33	1.24
2.6867	1.35	10.900	2.99	16.981	3.11	17.27	1.24
2.6800	1.35	10.933	2.99	17.013	3.11	17.21	1.24
2.6733	1.35	10.967	2.99	17.046	3.11	17.15	1.24
2.6667	1.35	11.000	2.99	17.078	3.11	17.09	1.24
2.6600	1.35	11.033	2.99	17.111	3.11	17.03	1.24
2.6533	1.35	11.067	2.99	17.143	3.11	16.97	1.24
2.6467	1.35	11.100	2.99	17.176	3.11	16.91	1.24
2.6400	1.35	11.133	2.99	17.208	3.11	16.85	1.24
2.6333	1.35	11.167	2.99	17.241	3.11	16.79	1.24
2.6267	1.35	11.200	2.99	17.273	3.11	16.73	1.24
2.6200	1.35	11.233	2.99	17.306	3.11	16.67	1.24
2.6133	1.35	11.267	2.99	17.338	3.11	16.61	1.24
2.6067	1.35	11.300	2.99	17.371	3.11	16.55	1.24
2.6000	1.35	11.333	2.99	17.403	3.11	16.49	1.24
2.5933	1.35	11.367	2.99	17.436	3.11	16.43	1.24
2.5867	1.35	11.400	2.99	17.468	3.11	16.37	1.24
2.5800	1.35	11.433	2.99	17.501	3.11	16.31	1.24
2.5733	1.35	11.467	2.99	17.533	3.11	16.25	1.24
2.5667	1.35	11.500	2.99	17.566	3.11	16.19	1.24
2.5600	1.35	11.533	2.99	17.598	3.11	16.13	1.24
2.5533	1.35	11.567	2.99	17.631	3.11	16.07	1.24
2.5467	1.35	11.600	2.99	17.663	3.11	16.01	1.24
2.5400	1.35	11.633	2.99	17.696	3.11	15.95	1.24
2.5333	1.35	11.667	2.99	17.728	3.11	15.89	1.24
2.5267	1.35	11.700	2.99	17.761	3.11	15.83	1.24
2.5200	1.35	11.733	2.99	17.793	3.11	15.77	1.24
2.5133	1.35	11.767	2.99	17.826	3.11	15.71	1.24
2.5067	1.35	11.800	2.99	17.858	3.11	15.65	1.24
2.5000	1.35	11.833	2.99	17.891	3.11	15.59	1.24
2.4933	1.35	11.867	2.99	17.923	3.11	15.53	1.24
2.4867	1.35	11.900	2.99	17.956	3.11	15.47	1.24
2.4800	1.35	11.933	2.99	17.988	3.11	15.41	1.24
2.4733	1.35	11.967	2.99	18.021	3.11	15.35	1.24
2.4667	1.35	12.000	2.99	18.053	3.11	15.29	1.24
2.4600	1.35	12.033	2.99	18.086	3.11	15.23	1.24
2.4533	1.35	12.067	2.99	18.118	3.11	15.17	1.24
2.4467	1.35	12.100	2.99	18.151	3.11	15.11	1.24
2.4400	1.35	12.133	2.99	18.183	3.11	15.05	1.24
2.4333	1.35	12.167	2.99	18.216	3.11	14.99	1.24
2.4267	1.35	12.200	2.99	18.248	3.11	14.93	1.24
2.4200	1.35	12.233	2.99	18.281	3.11	14.87	1.24
2.4133	1.35	12.267	2.99	18.313	3.11	14.81	1.24
2.4067	1.35	12.300	2.99	18.346	3.11	14.75	1.24
2.4000	1.35	12.333	2.99	18.378	3.11	14.69	1.24
2.3933	1.35	12.367	2.99	18.411	3.11	14.63	1.24
2.3867	1.35	12.400	2.99	18.443	3.11	14.57	1.24
2.3800	1.35	12.433	2.99	18.476	3.11	14.51	1.24
2.3733	1.35	12.467	2.99	18.508	3.11	14.45	1.24
2.3667	1.35	12.500	2.99	18.541	3.11	14.39	1.24
2.3600	1.35	12.533	2.99	18.573	3.11	14.33	1.24
2.3533	1.35	12.567	2.99	18.606	3.11	14.27	1.24
2.3467	1.35	12.600	2.99	18.638	3.11	14.21	1.24
2.3400	1.35	12.633	2.99	18.671	3.11	14.15	1.24
2.3333	1.35	12.667	2.99	18.703	3.11	14.09	1.24
2.3267	1.35	12.700	2.99	18.736	3.11	14.03	1.24
2.3200	1.35	12.733	2.99	18.768	3.11	13.97	1.24
2.3133	1.35	12.767	2.99	18.801	3.11	13.91	1.24
2.3067	1.35	12.800	2.99	18.833	3.11	13.85	1.24
2.3000	1.35	12.833	2.99	18.866	3.11	13.79	1.24
2.2933	1.35	12.867	2.99	18.898	3.11	13.73	1.24
2.2867	1.35	12.900	2.99	18.931	3.11	13.67	1.24
2.2800	1.35	12.933	2.99	18.963	3.11	13.61	1.24
2.2733	1.35	12.967	2.99	18.996	3.11	13.55	1.24
2.2667	1.35	13.000	2.99	19.028	3.11	13.49	1.24
2.2600	1.35	13.033	2.99	19.061	3.11	13.43	1.24
2.2533	1.35	13.067	2.99	19.093	3.11	13.37	1.24
2.2467	1.35	13.100	2.99	19.126	3.11	13.31	1.24
2.2400	1.35	13.133	2.99	19.158	3.11	13.25	1.24
2.2333	1.35	13.167	2.99	19.191	3.11	13.19	1.24
2.2267	1.35	13.200	2.99	19.223	3.11	13.13	1.24
2.2200	1.35	13.233	2.99	19.256	3.11	13.07	1.24
2.2133	1.35	13.267	2.99	19.288	3.11	13.01	1.24
2.2067	1.35	13.300	2.99	19.321	3.11	12.95	1.24
2.2000	1.35	13.333	2.99	19.353	3.11	12.89	1.24
2.1933	1.35	13.367	2.99	19.386	3.11	12.83	1.24
2.1867	1.35	13.400	2.99	19.418	3.11	12.77	1.24
2.1800	1.35	13.433	2.99	19.451	3.11	12.71	1.24
2.1733	1.35	13.467	2.99	19.483	3.11	12.65	1.24
2.1667	1.35	13.500	2.99	19.516	3.11	12.59	1.24
2.1600	1.35	13.533	2.99	19.548	3.11	12.53	1.24
2.1533	1.35	13.567	2.99	19.581	3.11	12.47	1.24
2.1467	1.35	13.600	2.99	19.613	3.11	12.41	1.24
2.1400	1.35	13.633	2.99	19.646	3.11	12.35	1.24
2.1333	1.35	13.667	2.99	19.678	3.11	12.29	1.24
2.1267	1.35	13.700	2.99	19.711	3.11	12.23	1.24
2.1200	1.35	13.733	2.99				

TIME TO PEAK (hrs) = 12.167
RUNOFF VOLUME (mm) = 57.061
RUNOFF COEFFICIENT = 0.551

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0009)

ID=1 (0101) : 3.15 0.439 12.28 57.06 R.V.
+ ID=2 (0103) : 1.47 0.226 12.17 57.06
ID = 3 (0009) : 4.62 0.651 12.20 57.06

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

WASHYD (0102) Area (ha) = 14.73 Curve Number (CN) = 79.0
ID=1 Dtr=2.0 min Ia (mm) = 6.75 # of Linear Res. (N) = 3.00
U.H. Td(hrs) = 0.33

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

--- TRANSFORMED HYETOGRAPH ---									
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
0.053	0.00	6.067	1.66	12.106	70.70	18.13	1.86		
0.067	0.00	6.109	1.76	12.133	14.92	18.17	1.86		
0.133	0.14	6.167	1.86	12.200	14.92	18.23	1.86		
0.167	1.14	6.209	1.86	12.233	14.92	18.27	1.86		
0.200	1.14	6.267	1.86	12.300	14.92	18.33	1.86		
0.233	1.14	6.309	1.86	12.333	14.92	18.37	1.86		
0.267	1.14	6.367	1.86	12.400	14.92	18.43	1.86		
0.300	1.14	6.400	1.86	12.433	14.92	18.47	1.86		
0.333	1.14	6.433	1.86	12.467	14.92	18.53	1.86		
0.400	1.14	6.533	1.86	12.567	14.92	18.59	1.86		
0.500	1.14	6.523	1.86	12.533	14.92	18.57	1.86		
0.567	1.14	6.609	1.86	12.633	7.67	18.67	1.86		
0.609	1.14	6.633	1.86	12.667	7.67	18.70	1.86		
0.667	1.14	6.709	1.86	12.733	7.67	18.77	1.86		
0.709	1.14	6.733	1.86	12.767	7.67	18.80	1.86		
0.767	1.14	6.800	1.86	12.833	7.67	18.87	1.86		
0.800	1.14	6.833	1.86	12.867	7.67	18.90	1.86		
0.867	1.14	6.900	1.86	12.933	7.67	18.97	1.86		
0.900	1.14	6.933	1.86	12.967	7.67	19.00	1.86		
0.967	1.14	7.033	1.86	13.033	7.67	19.07	1.86		
1.000	1.14	7.067	1.86	13.067	7.67	19.10	1.86		
1.067	1.14	7.033	1.86	13.067	7.67	19.13	1.86		
1.007	1.14	7.100	1.86	13.100	6.63	19.13	1.86		
					6.59	19.17	1.86		

193

3.237	1.35	9.267	3.32	15.390	9.11	21.33	1.24
3.267	1.35	9.300	3.32	15.333	9.11	21.37	1.24
3.333	1.35	9.367	3.32	15.400	9.11	21.43	1.24
3.367	1.35	9.400	3.32	15.433	9.11	21.47	1.24
3.433	1.35	9.467	3.32	15.500	9.11	21.53	1.24
3.467	1.35	9.500	3.32	15.533	9.11	21.57	1.24
3.533	1.35	9.567	3.32	15.600	9.11	21.63	1.24
3.567	1.35	9.600	3.32	15.633	9.11	21.67	1.24
3.600	1.35	9.633	3.32	15.667	9.11	21.70	1.24
3.667	1.35	9.700	3.32	15.733	9.11	21.77	1.24
3.700	1.35	9.733	3.32	15.767	9.11	21.80	1.24
3.767	1.35	9.800	3.32	15.833	9.11	21.87	1.24
3.800	1.35	9.833	3.32	15.867	9.11	21.90	1.24
3.867	1.35	9.900	3.32	15.933	9.11	21.97	1.24
3.900	1.35	9.933	3.32	15.967	9.11	22.00	1.24
4.000	1.35	10.000	3.32	16.033	9.11	22.07	1.24
4.067	1.35	10.033	3.32	16.067	9.11	22.10	1.24
4.133	1.35	10.100	3.32	16.133	9.11	22.17	1.24
4.167	1.50	10.133	4.77	16.167	1.86	22.20	1.24
4.233	1.66	10.167	4.77	16.200	1.86	22.23	1.24
4.267	1.66	10.200	4.77	16.233	1.86	22.27	1.24
4.333	1.66	10.233	4.77	16.267	1.86	22.30	1.24
4.367	1.66	10.267	4.77	16.300	1.86	22.33	1.24
4.433	1.66	10.300	4.77	16.333	1.86	22.40	1.24
4.467	1.66	10.333	4.77	16.367	1.86	22.43	1.24
4.533	1.66	10.367	4.77	16.400	1.86	22.47	1.24
4.567	1.66	10.400	4.77	16.433	1.86	22.50	1.24
4.633	1.66	10.433	4.77	16.467	1.86	22.53	1.24
4.667	1.66	10.467	4.77	16.500	1.86	22.57	1.24
4.733	1.66	10.500	4.77	16.533	1.86	22.60	1.24
4.767	1.66	10.533	4.77	16.567	1.86	22.63	1.24
4.833	1.66	10.567	4.77	16.600	1.86	22.67	1.24
4.867	1.66	10.600	4.77	16.633	1.86	22.70	1.24
4.933	1.66	10.633	4.77	16.667	1.86	22.73	1.24
4.967	1.66	10.667	4.77	16.700	1.86	22.77	1.24
5.033	1.66	10.700	4.77	16.733	1.86	22.80	1.24
5.067	1.66	10.733	4.77	16.767	1.86	22.83	1.24
5.133	1.66	10.767	4.77	16.800	1.86	22.87	1.24
5.167	1.66	10.800	4.77	16.833	1.86	22.90	1.24
5.233	1.66	10.833	4.77	16.867	1.86	22.93	1.24
5.267	1.66	10.867	4.77	16.900	1.86	22.97	1.24
5.333	1.66	10.900	4.77	16.933	1.86	23.03	1.24
5.367	1.66	10.933	4.77	16.967	1.86	23.07	1.24
5.433	1.66	10.967	4.77	17.000	1.86	23.13	1.24
5.467	1.66	11.000	4.77	17.033	1.86	23.17	1.24
5.533	1.66	11.033	4.77	17.067	1.86	23.23	1.24
5.567	1.66	11.067	4.77	17.100	1.86	23.27	1.24
5.633	1.66	11.100	4.77	17.133	1.86	23.30	1.24
5.667	1.66	11.133	4.77	17.167	1.86	23.33	1.24
5.733	1.66	11.167	4.77	17.200	1.86	23.37	1.24
5.767	1.66	11.200	4.77	17.233	1.86	23.40	1.24
5.833	1.66	11.233	4.77	17.267	1.86	23.43	1.24
5.867	1.66	11.267	4.77	17.300	1.86	23.47	1.24
5.933	1.66	11.300	4.77	17.333	1.86	23.50	1.24
5.967	1.66	11.333	4.77	17.367	1.86	23.53	1.24

195

5.59 19.20
5.59 19.23
5.59 19.26
5.59 19.30
5.59 19.33
5.59 19.36
5.59 19.40
5.59 19.43
5.59 19.46
5.59 19.49
5.59 19.53
5.59 19.57
5.59 19.60
5.59 19.63
5.59 19.66
5.59 19.69
5.59 19.73
5.59 19.76
5.59 19.79
5.59 19.83
5.59 19.86
5.59 19.89
5.59 19.93
5.59 19.96
5.59 19.99
5.59 20.03
5.59 20.06
5.59 20.10
5.59 20.13
5.59 20.16
5.59 20.19
5.59 20.23
5.59 20.26
5.59 20.30
5.59 20.33
5.59 20.36
5.59 20.40
5.59 20.43
5.59 20.46
5.59 20.49
5.59 20.53
5.59 20.57
5.59 20.60
5.59 20.63
5.59 20.66
5.59 20.69
5.59 20.73
5.59 20.76
5.59 20.79
5.59 20.83
5.59 20.86
5.59 20.89
5.59 20.93
5.59 20.96
5.59 20.99
5.59 21.03
5.59 21.06
5.59 21.10
5.59 21.13
5.59 21.16
5.59 21.19
5.59 21.23
5.59 21.26
5.59 21.30

1.166	1.14	7.133	2.28	13.167	5.59	19.20
1.199	1.14	7.167	2.28	13.200	5.59	19.23
1.233	1.14	7.200	2.28	13.233	5.59	19.26
1.267	1.14	7.233	2.28	13.267	5.59	19.30
1.300	1.14	7.267	2.28	13.300	5.59	19.33
1.333	1.14	7.300	2.28	13.333	5.59	19.36
1.367	1.14	7.333	2.28	13.367	5.59	19.40
1.400	1.14	7.367	2.28	13.400	5.59	19.43
1.433	1.14	7.400	2.28	13.433	5.59	19.46
1.467	1.14	7.433	2.28	13.467	5.59	19.49
1.500	1.14	7.467	2.28	13.500	5.59	19.53
1.533	1.14	7.500	2.28	13.533	5.59	19.57
1.567	1.14	7.533	2.28	13.567	5.59	19.60
1.600	1.14	7.567	2.28	13.600	5.59	19.63
1.633	1.14	7.600	2.28	13.633	5.59	19.66
1.667	1.14	7.633	2.28	13.667	5.59	19.69
1.700	1.14	7.667	2.28	13.700	5.59	19.73
1.733	1.14	7.700	2.28	13.733	5.59	19.76
1.767	1.14	7.733	2.28	13.767	5.59	19.79
1.800	1.14	7.767	2.28	13.800	5.59	19.83
1.833	1.14	7.800	2.28	13.833	5.59	19.86
1.867	1.14	7.833	2.28	13.867	5.59	19.89
1.900	1.14	7.867	2.28	13.900	5.59	19.93
1.933	1.14	7.900	2.28	13.933	5.59	19.96
1.967	1.14	7.933	2.28	13.967	5.59	19.99
2.000	1.14	7.967	2.28	14.000	5.59	20.03
2.033	1.14	8.000	2.28	14.033	5.59	20.06
2.067	1.14	8.033	2.28	14.067	5.59	20.10
2.100	1.14	8.067	2.28	14.100	5.59	20.13
2.133	1.14	8.100	2.28	14.133	5.59	20.16
2.167	1.14	8.133	2.28	14.167	5.59	20.19
2.200	1.14	8.167	2.28	14.200	5.59	20.23
2.233	1.14	8.200	2.28	14.233	5.59	20.26
2.267	1.14	8.233	2.28	14.267	5.59	20.30
2.300	1.14	8.267	2.28	14.300	5.59	20.33
2.333	1.14	8.300	2.28	14.333	5.59	20.36
2.367	1.14	8.333	2.28	14.367	5.59	20.40
2.400	1.14	8.367	2.28	14.400	5.59	20.43
2.433	1.14	8.400	2.28	14.433	5.59	20.46
2.467	1.14	8.433	2.28	14.467	5.59	20.49
2.500	1.14	8.467	2.28	14.500	5.59	20.53
2.533	1.14	8.500	2.28	14.533	5.59	20.57
2.567	1.14	8.533	2.28	14.567	5.59	20.60
2.600	1.14	8.567	2.28	14.600	5.59	20.63
2.633	1.14	8.600	2.28	14.633	5.59	20.66
2.667	1.14	8.633	2.28	14.667	5.59	20.70
2.700	1.14	8.667	2.28	14.700	5.59	20.73
2.733	1.14	8.700	2.28	14.733	5.59	20.76
2.767	1.14	8.733	2.28	14.767	5.59	20.79
2.800	1.14	8.767	2.28	14.800	5.59	20.83
2.833	1.14	8.800	2.28	14.833	5.59	20.86
2.867	1.14	8.833	2.28	14.867	5.59	20.90
2.900	1.14	8.867	2.28	14.900	5.59	20.93
2.933	1.14	8.900	2.28	14.933	5.59	20.96
2.967	1.14	8.933	2.28	14.967	5.59	21.00

CALIB		WASHO (0.016)		Area		(ha) = 0.36		Curve Number (CN) = 79.0	
ID# = 1 DT = 2.0 min				U.A.		(mm) = 6.75		# of Linear Res. (N) = 3.60	
-----				I.n.		Tp (hrs) = 0.14			
NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.									
--- TRANSFORMED HYETROGRAPH ---									
TIME		TIME		TIME		TIME		TIME	
min/hr	mm/hr	min/hr	mm/hr	min/hr	mm/hr	min/hr	mm/hr	min/hr	mm/hr
0.607	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.608	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.609	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.610	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.611	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.612	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.613	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.614	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.615	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.616	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.617	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.618	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.619	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.620	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.621	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.622	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.623	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.624	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.625	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.626	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.627	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.628	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.629	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.630	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.631	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.632	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.633	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.634	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.635	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.636	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.637	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.638	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.639	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.640	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.641	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.642	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.643	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.644	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.645	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.646	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.647	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.648	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.649	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.650	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.651	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.652	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.653	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.654	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.655	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.656	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.657	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.658	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.659	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.660	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.661	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.662	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.663	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.664	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.665	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.666	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.667	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.668	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.669	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.670	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.671	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.672	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.673	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.674	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.675	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.676	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.677	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.678	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.679	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.680	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.681	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.682	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.683	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.684	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.685	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.686	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.687	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.688	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.689	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.690	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.691	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.692	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.693	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.694	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.695	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.696	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.697	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.698	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.699	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.700	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.701	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.702	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.703	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.704	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.705	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.706	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.707	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.708	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.709	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.710	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.711	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.712	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.713	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.714	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.715	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.716	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.717	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.718	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.719	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.720	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.721	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.722	1.83	12.100	78.12	18.13	2.06	6.067	1.83	12.100	78.12
0.723	1.83	12.100	78.12	18.13					

209

1.893	1.26	7.833	2.52	13.959	4.61	19.98	2.86	3.93	1.49	10.989	4.12	16.933	5.43	22.97	1.37
1.893	1.26	7.999	2.52	13.933	4.61	19.97	2.86	3.967	1.49	10.989	4.12	16.933	5.43	22.97	1.37
1.897	1.26	7.999	2.52	13.933	4.61	19.97	2.86	4.009	1.49	10.983	4.12	16.933	5.43	22.97	1.37
1.833	1.26	7.967	2.52	14.066	4.61	20.06	2.86	4.067	1.49	10.966	4.12	16.933	5.43	22.97	1.37
1.967	1.26	8.083	2.52	14.033	4.61	20.07	2.95	4.109	1.66	10.133	5.27	16.167	2.96	22.97	1.37
1.897	1.26	8.067	2.52	14.100	4.12	20.13	2.95	4.167	1.83	10.266	5.27	16.239	2.96	22.97	1.37
1.897	1.26	8.067	2.52	14.100	4.12	20.13	2.95	4.167	1.83	10.266	5.27	16.239	2.96	22.97	1.37
2.067	1.40	8.167	2.75	14.133	3.43	20.17	1.37	4.209	1.83	10.263	5.27	16.267	2.96	22.98	1.37
2.067	1.40	8.167	2.75	14.133	3.43	20.17	1.37	4.209	1.83	10.263	5.27	16.267	2.96	22.98	1.37
2.133	1.40	8.167	2.98	14.200	3.43	20.23	1.37	4.267	1.83	10.339	5.27	16.339	2.96	22.97	1.37
2.133	1.40	8.167	2.98	14.200	3.43	20.23	1.37	4.267	1.83	10.339	5.27	16.339	2.96	22.97	1.37
2.167	1.40	8.269	2.98	14.233	3.43	20.27	1.37	4.309	1.83	10.333	5.27	16.367	2.96	22.98	1.37
2.167	1.40	8.269	2.98	14.233	3.43	20.27	1.37	4.309	1.83	10.333	5.27	16.367	2.96	22.98	1.37
2.267	1.49	8.267	2.98	14.366	3.43	20.36	1.37	4.367	1.83	10.466	5.27	16.439	2.96	22.97	1.37
2.267	1.49	8.267	2.98	14.366	3.43	20.36	1.37	4.367	1.83	10.466	5.27	16.439	2.96	22.97	1.37
2.333	1.49	8.367	2.98	14.466	3.43	20.46	1.37	4.467	1.83	10.566	5.27	16.539	2.96	22.97	1.37
2.333	1.49	8.367	2.98	14.466	3.43	20.46	1.37	4.467	1.83	10.566	5.27	16.539	2.96	22.97	1.37
2.367	1.49	8.469	2.98	14.433	3.43	20.47	1.37	4.509	1.83	10.563	5.27	16.567	2.96	22.98	1.37
2.469	1.49	8.467	2.98	14.567	3.43	20.56	1.37	4.567	1.83	10.566	5.27	16.566	2.96	22.97	1.37
2.469	1.49	8.467	2.98	14.567	3.43	20.56	1.37	4.567	1.83	10.566	5.27	16.566	2.96	22.97	1.37
2.569	1.49	8.533	2.98	14.567	3.43	20.60	1.37	4.633	1.83	10.667	5.27	16.669	2.96	22.97	1.37
2.569	1.49	8.533	2.98	14.567	3.43	20.60	1.37	4.633	1.83	10.667	5.27	16.669	2.96	22.97	1.37
2.567	1.49	8.669	3.09	14.633	3.43	20.67	1.37	4.709	1.83	10.733	5.27	16.739	2.96	22.98	1.37
2.567	1.49	8.669	3.09	14.633	3.43	20.67	1.37	4.709	1.83	10.733	5.27	16.739	2.96	22.98	1.37
2.669	1.49	8.633	3.21	14.667	3.43	20.70	1.37	4.733	1.83	10.767	5.27	16.809	2.96	22.97	1.37
2.669	1.49	8.633	3.21	14.667	3.43	20.70	1.37	4.733	1.83	10.767	5.27	16.809	2.96	22.97	1.37
2.667	1.49	8.769	3.21	14.733	3.43	20.77	1.37	4.809	1.83	10.833	5.27	16.867	2.96	22.98	1.37
2.667	1.49	8.769	3.21	14.733	3.43	20.77	1.37	4.809	1.83	10.833	5.27	16.867	2.96	22.98	1.37
2.769	1.49	8.733	3.21	14.767	3.43	20.80	1.37	4.833	1.83	10.867	5.27	16.909	2.96	22.99	1.37
2.769	1.49	8.733	3.21	14.767	3.43	20.80	1.37	4.833	1.83	10.867	5.27	16.909	2.96	22.99	1.37
2.869	1.49	8.833	3.21	14.833	3.43	20.87	1.37	4.909	1.83	10.933	5.27	16.967	2.96	23.00	1.37
2.869	1.49	8.833	3.21	14.833	3.43	20.87	1.37	4.909	1.83	10.933	5.27	16.967	2.96	23.00	1.37
2.867	1.49	8.969	3.21	14.833	3.43	20.87	1.37	4.969	1.83	11.033	5.27	17.067	2.96	23.01	1.37
2.867	1.49	8.969	3.21	14.833	3.43	20.87	1.37	4.969	1.83	11.033	5.27	17.067	2.96	23.01	1.37
2.899	1.49	8.933	3.21	14.967	3.43	21.00	1.37	5.033	1.83	11.167	5.27	17.169	2.96	23.02	1.37
2.899	1.49	8.933	3.21	14.967	3.43	21.00	1.37	5.033	1.83	11.167	5.27	17.169	2.96	23.02	1.37
3.099	1.49	9.033	3.21	15.067	3.43	21.10	1.37	5.133	1.83	11.133	5.27	17.269	2.96	23.03	1.37
3.099	1.49	9.033	3.21	15.067	3.43	21.10	1.37	5.133	1.83	11.133	5.27	17.269	2.96	23.03	1.37
3.097	1.49	9.169	3.43	15.133	3.43	21.11	1.37	5.209	1.83	11.233	5.27	17.367	2.96	23.04	1.37
3.097	1.49	9.169	3.43	15.133	3.43	21.11	1.37	5.209	1.83	11.233	5.27	17.367	2.96	23.04	1.37
3.109	1.49	9.133	3.66	15.167	3.43	21.20	1.37	5.233	1.83	11.267	5.27	17.399	2.96	23.03	1.37
3.109	1.49	9.133	3.66	15.167	3.43	21.20	1.37	5.233	1.83	11.267	5.27	17.399	2.96	23.03	1.37
3.209	1.49	9.233	3.66	15.267	3.43	21.30	1.37	5.333	1.83	11.367	5.27	17.499	2.96	23.04	1.37
3.209	1.49	9.233	3.66	15.267	3.43	21.30	1.37	5.333	1.83	11.367	5.27	17.499	2.96	23.04	1.37
3.267	1.49	9.369	3.66	15.367	3.43	21.31	1.37	5.433	1.83	11.467	5.27	17.599	2.96	23.06	1.37
3.267	1.49	9.369	3.66	15.367	3.43	21.31	1.37	5.433	1.83	11.467	5.27	17.599	2.96	23.06	1.37
3.399	1.49	9.333	3.66	15.367	3.43	21.40	1.37	5.499	1.83	11.467	5.27	17.699	2.96	23.03	1.37
3.399	1.49	9.333	3.66	15.367	3.43	21.40	1.37	5.499	1.83	11.467	5.27	17.699	2.96	23.03	1.37
3.367	1.49	9.469	3.66	15.433	3.43	21.43	1.37	5.569	1.83	11.567	5.27	17.799	2.96	23.06	1.37
3.367	1.49	9.469	3.66	15.433	3.43	21.43	1.37	5.569	1.83	11.567	5.27	17.799	2.96	23.06	1.37
3.499	1.49	9.433	3.66	15.467	3.43	21.50	1.37	5.533	1.83	11.567	5.27	17.899	2.96	23.03	1.37
3.499	1.49	9.433	3.66	15.467	3.43	21.50	1.37	5.533	1.83	11.567	5.27	17.899	2.96	23.03	1.37
3.467	1.49	9.569	3.66	15.533	3.43	21.57	1.37	5.609	1.83	11.667	5.27	17.999	2.96	23.07	1.37
3.467	1.49	9.569	3.66	15.533	3.43	21.57	1.37	5.609	1.83	11.667	5.27	17.999	2.96	23.07	1.37
3.599	1.49	9.533	3.66	15.567	3.43	21.60	1.37	5.633	1.83	11.667	5.27	18.099	2.96	23.03	1.37
3.599	1.49	9.533	3.66	15.567	3.43	21.60	1.37	5.633	1.83	11.667	5.27	18.099	2.96	23.03	1.37
3.567	1.49	9.669	3.66	15.633	3.43	21.63	1.37	5.709	1.83	11.767	5.27	18.199	2.96	23.06	1.37
3.567	1.49	9.669	3.66	15.633	3.43	21.63	1.37	5.709	1.83	11.767	5.27	18.199	2.96	23.06	1.37
3.699	1.49	9.633	4.12	15.667	3.43	21.70	1.37	5.733	1.83	11.767	5.27	18.299	2.96	23.03	1.37
3.699	1.49	9.633	4.12	15.667	3.43	21.70	1.37	5.733	1.83	11.767	5.27	18.299	2.96	23.03	1.37
3.633	1.49	9.769	4.12	15.733	3.43	21.76	1.37	5.833	1.83	11.867	5.27	18.399	2.96	23.06	1.37
3.633	1.49	9.769	4.12	15.733	3.43	21.76	1.37	5.833	1.83	11.867	5.27	18.399	2.96	23.06	1.37
3.769	1.49	9.733	4.12	15.767	3.43	21.80	1.37	5.933	1.83	11.967	5.27	18.499	2.96	24.03	1.37
3.769	1.49	9.733	4.12	15.767	3.43	21.80	1.37	5.933	1.83	11.967	5.27	18.499	2.96	24.03	1.37
3.723	1.49	9.869	4.12	15.869	3.43	21.96	1.37	6.069	1.83	12.069	5.27	18.599	2.96	24.07	1.37
3.723	1.49	9.869	4.12	15.869	3.43	21.96	1.37	6.069	1.83	12.069	5.27	18.599	2.96	24.07	1.37
3.899	1.49	9.833	4.12	15.939	3.43	21.96	1.37	6.169	1.83	12.069	5.27	18.699	2.96	24.03	1.37
3.899	1.49	9.833	4.12	15.939	3.43	21.96	1.37	6.169	1.83	12.069	5.27	18.699	2.96	24.03	1.37
3.833	1.49	9.969	4.12	15.969	3.43	22.03	1.37	6.269	1.83	12.169	5.27	18.799	2.96	24.07	1.37
3.833	1.49	9.969	4.12	15.969	3.43	22.03	1.37	6.269	1.83	12.169	5.27	18.799	2.96	24.07	1.37
3.899	1.49	9.933	4.12	15.967	3.43	22.06	1.37	6.333	1.83	12.067	5.27	18.899	2.96	24.07	1.37
3.899	1.49	9.933	4.12	15.967	3.43	22.06	1.37	6.333	1.83	12.067	5.27	18.899	2.96	24.07	1.37

211

2.933	1.49	9.967	3.21	15.083	3.43	21.63	1.37	5.067	1.83	11.130	10.99	17.133	2.06	23.20	1.37
2.967	1.49	9.933	3.21	15.067	3.43	21.10	1.37	5.123	1.83	11.107	10.99	17.129	2.06	23.20	1.37
3.000	1.49	9.933	3.21	15.067	3.43	21.10	1.37	5.123	1.83	11.107	10.99	17.129	2.06	23.20	1.37
3.067	1.49	9.968	3.21	15.133	3.43	21.17	1.37	5.200	1.83	11.233	10.99	17.267	2.06	23.36	1.37
3.100	1.49	9.933	3.66	15.107	3.43	21.20	1.37	5.233	1.83	11.267	10.99	17.300	2.06	23.36	1.37
3.167	1.49	9.968	3.66	15.233	3.43	21.27	1.37	5.300	1.83	11.333	10.99	17.367	2.06	23.46	1.37
3.200	1.49	9.933	3.66	15.267	3.43	21.30	1.37	5.333	1.83	11.367	10.99	17.400	2.06	23.43	1.37
3.267	1.49	9.968	3.66	15.333	3.43	21.37	1.37	5.400	1.83	11.433	10.99	17.457	2.06	23.56	1.37
3.300	1.49	9.933	3.66	15.367	3.43	21.40	1.37	5.433	1.83	11.467	10.99	17.500	2.06	23.53	1.37
3.367	1.49	9.968	3.66	15.433	3.43	21.47	1.37	5.500	1.83	11.533	10.99	17.557	2.06	23.66	1.37
3.400	1.49	9.933	3.66	15.467	3.43	21.50	1.37	5.533	1.83	11.567	10.99	17.600	2.06	23.63	1.37
3.467	1.49	9.968	3.66	15.533	3.43	21.57	1.37	5.600	1.83	11.633	10.99	17.657	2.06	23.76	1.37
3.500	1.49	9.933	3.66	15.567	3.43	21.60	1.37	5.633	1.83	11.667	10.99	17.700	2.06	23.73	1.37
3.567	1.49	9.968	3.66	15.633	3.43	21.67	1.37	5.700	1.83	11.733	10.99	17.757	2.06	23.86	1.37
3.600	1.49	9.933	4.12	15.667	3.43	21.70	1.37	5.733	1.83	11.767	10.99	17.800	2.06	23.83	1.37
3.667	1.49	9.968	4.12	15.733	3.43	21.77	1.37	5.800	1.83	11.833	10.99	17.857	2.06	23.96	1.37
3.700	1.49	9.933	4.12	15.767	3.43	21.80	1.37	5.833	1.83	11.867	10.99	17.900	2.06	23.93	1.37
3.767	1.49	9.968	4.12	15.833	3.43	21.87	1.37	5.900	1.83	11.933	10.99	17.957	2.06	24.06	1.37
3.800	1.49	9.933	4.12	15.867	3.43	21.90	1.37	5.933	1.83	11.967	10.99	18.000	2.06	24.03	1.37
3.867	1.49	9.968	4.12	15.933	3.43	21.97	1.37	6.000	1.83	12.033	10.99	18.057	2.06	24.16	1.37
3.900	1.49	9.933	4.12	15.967	3.43	22.00	1.37	6.033	1.83	12.067	10.99	18.100	2.06	24.13	1.37
3.967	1.49	9.968	4.12	16.033	3.43	22.07	1.37	6.100	1.83	12.133	10.99	18.157	2.06	24.26	1.37
4.000	1.49	9.933	4.12	16.067	3.43	22.10	1.37	6.133	1.83	12.167	10.99	18.200	2.06	24.23	1.37
4.067	1.49	9.968	4.62	16.133	3.43	22.17	1.37	6.200	1.83	12.233	10.99	18.257	2.06	24.36	1.37
4.100	1.49	9.933	5.27	16.167	2.06	22.20	1.37	6.233	1.83	12.267	10.99	18.300	2.06	24.33	1.37
4.167	1.49	9.968	5.27	16.233	2.06	22.23	1.37	6.300	1.83	12.333	10.99	18.357	2.06	24.46	1.37
4.200	1.49	9.933	5.27	16.267	2.06	22.26	1.37	6.333	1.83	12.367	10.99	18.400	2.06	24.43	1.37
4.233	1.83	10.267	5.27	16.300	2.06	22.33	1.37	6.400	1.83	12.433	10.99	18.457	2.06	24.56	1.37
4.267	1.83	10.233	5.27	16.367	2.06	22.40	1.37	6.467	1.83	12.500	10.99	18.524	2.06	24.69	1.37
4.300	1.83	10.233	5.27	16.400	2.06	22.43	1.37	6.500	1.83	12.533	10.99	18.567	2.06	24.66	1.37
4.333	1.83	10.267	5.27	16.433	2.06	22.50	1.37	6.533	1.83	12.567	10.99	18.600	2.06	24.63	1.37
4.367	1.83	10.233	5.27	16.467	2.06	22.53	1.37	6.567	1.83	12.600	10.99	18.643	2.06	24.60	1.37
4.400	1.83	10.267	5.27	16.500	2.06	22.56	1.37	6.600	1.83	12.633	10.99	18.686	2.06	24.57	1.37
4.433	1.83	10.233	5.27	16.533	2.06	22.59	1.37	6.633	1.83	12.667	10.99	18.729	2.06	24.54	1.37
4.467	1.83	10.267	5.27	16.567	2.06	22.66	1.37	6.667	1.83	12.700	10.99	18.772	2.06	24.51	1.37
4.500	1.83	10.233	5.27	16.600	2.06	22.63	1.37	6.700	1.83	12.733	10.99	18.815	2.06	24.48	1.37
4.533	1.83	10.267	5.27	16.633	2.06	22.70	1.37	6.733	1.83	12.767	10.99	18.858	2.06	24.45	1.37
4.567	1.83	10.233	5.27	16.667	2.06	22.73	1.37	6.767	1.83	12.800	10.99	18.901	2.06	24.42	1.37
4.600	1.83	10.267	5.27	16.700	2.06	22.76	1.37	6.800	1.83	12.833	10.99	18.944	2.06	24.39	1.37
4.633	1.83	10.233	5.27	16.733	2.06	22.79	1.37	6.833	1.83	12.867	10.99	18.987	2.06	24.36	1.37
4.667	1.83	10.267	5.27	16.767	2.06	22.86	1.37	6.867	1.83	12.900	10.99	19.030	2.06	24.33	1.37
4.700	1.83	10.233	5.27	16.800	2.06	22.83	1.37	6.900	1.83	12.933	10.99	19.073	2.06	24.30	1.37
4.733	1.83	10.267	5.27	16.833	2.06	22.90	1.37	6.933	1.83	12.967	10.99	19.116	2.06	24.27	1.37
4.767	1.83	10.233	5.27	16.867	2.06	22.93	1.37	6.967	1.83	13.000	10.99	19.159	2.06	24.24	1.37
4.800	1.83	10.267	5.27	16.900	2.06	22.96	1.37	7.000	1.83	13.033	10.99	19.202	2.06	24.21	1.37
4.833	1.83	10.233	5.27	16.933	2.06	23.03	1.37	7.033	1.83	13.067	10.99	19.245	2.06	24.18	1.37
4.867	1.83	10.267	5.27	16.967	2.06	23.06	1.37	7.067	1.83	13.100	10.99	19.288	2.06	24.15	1.37
4.900	1.83	10.233	5.27	17.000	2.06	23.03	1.37	7.100	1.83	13.133	10.99	19.331	2.06	24.12	1.37
4.933	1.83	10.267	5.27	17.033	2.06	23.06	1.37	7.133	1.83	13.167	10.99	19.374	2.06	24.09	1.37
4.967	1.83	10.233	5.27	17.067	2.06	23.13	1.37	7.167	1.83	13.200	10.99	19.417	2.06	24.06	1.37
5.000	1.83	10.267	5.27	17.100	2.06	23.10	1.37	7.200	1.83	13.233	10.99	19.460	2.06	24.03	1.37
5.033	1.83	10.233	5.27	17.133	2.06	23.13	1.37	7.233	1.83	13.267	10.99	19.503	2.06	24.00	1.37
5.067	1.83	10.267	5.27	17.167	2.06	23.16	1.37	7.267	1.83	13.300	10.99	19.546	2.06	23.97	1.37
5.100	1.83	10.233	5.27	17.200	2.06	23.13	1.37	7.300	1.83	13.333	10.99	19.589	2.06	23.94	1.37
5.133	1.83	10.267	5.27	17.233	2.06	23.16	1.37	7.333	1.83	13.367	10.99	19.632	2.06	23.91	1.37
5.167	1.83	10.233	5.27	17.267	2.06	23.13	1.37	7.367	1.83	13.400	10.99	19.675	2.06	23.88	1.37
5.200	1.83	10.267	5.27	17.300	2.06	23.10	1.37	7.400	1.83	13.433	10.99	19.718	2.06	23.85	1.37
5.233	1.83	10.233	5.27	17.333	2.06	23.13	1.37	7.433	1.83	13.467	10.99	19.761	2.06	23.82	1.37
5.267	1.83	10.267	5.27	17.367	2.06	23.16	1.37	7.467	1.83	13.500	10.99	19.804	2.06	23.79	1.37
5.300	1.83	10.233	5.27	17.400	2.06	23.13	1.37	7.500	1.83	13.533	10.99	19.847	2.06	23.76	1.37
5.333	1.83	10.267	5.27	17.433	2.06	23.16	1.37	7.533	1.83	13.567	10.99	19.890	2.06	23.73	1.37
5.367	1.83	10.233	5.27	17.467	2.06	23.13	1.37	7.567	1.83	13.600	10.99	19.933	2.06	23.70	1.37
5.400	1.83	10.267	5.27	17.500	2.06	23.10	1.37	7.600	1.83	13.633	10.99	19.976	2.06	23.67	1.37
5.433	1.83	10.233	5.27	17.533	2.06	23.13	1.37	7.633	1.83	13.667	10.99	20.019	2.06	23.64	1.37
5.467	1.83	10.267	5.27	17.567	2.06	23.16	1.37	7.667	1.83	13.700	10.99	20.062	2.06	23.61	1.37
5.500	1.83	10.233	5.27	17.600	2.06	23.13	1.37	7.700	1.83	13.733	10.99	20.105	2.06	23.58	1.37
5.533	1.83	10.267	5.27	17.633	2.06	23.16	1.37	7.733	1.83	13.767	10.99	20.148	2.06	23.55	1.37
5.567	1.83	10.233	5.27	17.667	2.06	23.13	1.37	7.767	1.83	13.800	10.99	20.191	2.06	23.52	1.37
5.600	1.83	10.267	5.27	17.700	2.06	23.10	1.37	7.800	1.83	13.833	10.99	20.234	2.06	23.49	1.37
5.633	1.83	10.233	5.27	17.733	2.06	23.13	1.37	7.833	1.83	13.867	10.99	20.277	2.06	23.46	1.37
5.667	1.83	10.267	5.27	17.767	2.06	23.16	1.37	7.867	1.83	13.900	10.99	20.320	2.06	23.43	1.37
5.700	1.83	10.233	5.27	17.800	2.06	23.13	1.37	7.900	1.83	13.933	10.99	20.363	2.06	23.40	1.37
5.733	1.83	10.267	5.27	17.833	2.06	23.16	1.37	7.933	1.83	13.967	10.99	20.406	2.06	23.37	1.37
5.767	1.83	10.233	5.27	17.867	2.06	23.13	1.37	7.967	1.83	14.000	10.99	20.449	2.06	23.34	1.37
5.800	1.83	10.267	5.27	17.900	2.06	23.10	1.37	8.000	1.83	14.033	10.99	20.492	2.06	23.31	1.37
5.833	1.83	10.233	5.27	17.933	2.06	23.13	1.37	8.033	1.83	14.067	10.99	20.535	2.06	23.28	1.37
5.867	1.83	10.267	5.27	17.967	2.06	23.16	1.37	8.067	1.83	14.100	10.99	20.578	2.06	23.25	1.37
5.900															

Unit Hyd Qpeak	(cms)=	0.052
PEAK FLOW	(cms)=	0.035
TIME TO PEAK	(hrs)=	12.100
TOTAL VOLUME	(mm)=	66.177
TOTAL RAINFALL	(mm)=	114.469
RUNOFF COEFFICIENT	=	0.578

(1) PEAK FLOW DOES NOT INCLUDE

CALIB	Area	(ha)	Curve Number	CN = 79.8
NASHVD	Ia	(mm)	# of Linear Res.	(N) = 3.69
ID= 1 DT= 2.0 min	U.H.	Tp(hrs)		
			0.68	
			6.75	
			0.69	

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

TIME		RAINFALL		METEOROLOGICAL		RAINFALL	
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.062	0.000	0.062	0.000	0.062	0.000	0.062	0.000
0.125	0.000	0.125	0.000	0.125	0.000	0.125	0.000
0.188	0.000	0.188	0.000	0.188	0.000	0.188	0.000
0.250	0.000	0.250	0.000	0.250	0.000	0.250	0.000
0.312	0.000	0.312	0.000	0.312	0.000	0.312	0.000
0.375	0.000	0.375	0.000	0.375	0.000	0.375	0.000
0.438	0.000	0.438	0.000	0.438	0.000	0.438	0.000
0.500	0.000	0.500	0.000	0.500	0.000	0.500	0.000
0.562	0.000	0.562	0.000	0.562	0.000	0.562	0.000
0.625	0.000	0.625	0.000	0.625	0.000	0.625	0.000
0.688	0.000	0.688	0.000	0.688	0.000	0.688	0.000
0.750	0.000	0.750	0.000	0.750	0.000	0.750	0.000
0.812	0.000	0.812	0.000	0.812	0.000	0.812	0.000
0.875	0.000	0.875	0.000	0.875	0.000	0.875	0.000
0.938	0.000	0.938	0.000	0.938	0.000	0.938	0.000
1.000	0.000	1.000	0.000	1.000	0.000	1.000	0.000
1.062	0.000	1.062	0.000	1.062	0.000	1.062	0.000
1.125	0.000	1.125	0.000	1.125	0.000	1.125	0.000
1.188	0.000	1.188	0.000	1.188	0.000	1.188	0.000
1.250	0.000	1.250	0.000	1.250	0.000	1.250	0.000
1.312	0.000	1.312	0.000	1.312	0.000	1.312	0.000
1.375	0.000	1.375	0.000	1.375	0.000	1.375	0.000
1.438	0.000	1.438	0.000	1.438	0.000	1.438	0.000
1.500	0.000	1.500	0.000	1.500	0.000	1.500	0.000
1.562	0.000	1.562	0.000	1.562	0.000	1.562	0.000
1.625	0.000	1.625	0.000	1.625	0.000	1.625	0.000
1.688	0.000	1.688	0.000	1.688	0.000	1.688	0.000
1.750	0.000	1.750	0.000	1.750	0.000	1.750	0.000
1.812	0.000	1.812	0.000	1.812	0.000	1.812	0.000
1.875	0.000	1.875	0.000	1.875	0.000	1.875	0.000
1.938	0.000	1.938	0.000	1.938	0.000	1.938	0.000
2.000	0.000	2.000	0.000	2.000	0.000	2.000	0.000
2.062	0.000	2.062	0.000	2.062	0.000	2.062	0.000
2.125	0.000	2.125	0.000	2.125	0.000	2.125	0.000
2.188	0.000	2.188	0.000	2.188	0.000	2.188	0.000
2.250	0.000	2.250	0.000	2.250	0.000	2.250	0.000
2.312	0.000	2.312	0.000	2.312	0.000	2.312	0.000
2.375	0.000	2.375	0.000	2.375	0.000	2.375	0.000
2.438	0.000	2.438	0.000	2.438	0.000	2.438	0.000
2.500	0.000	2.500	0.000	2.500	0.000	2.500	0.000
2.562	0.000	2.562	0.000	2.562	0.000	2.562	0.000
2.625	0.000	2.625	0.000	2.625	0.000	2.625	0.000
2.688	0.000	2.688	0.000	2.688	0.000	2.688	0.000
2.750	0.000	2.750	0.000	2.750	0.000	2.750	0.000
2.812	0.000	2.812	0.000	2.812	0.000	2.812	0.000
2.875	0.000	2.875	0.000	2.875	0.000	2.875	0.000
2.938	0.000	2.938	0.000	2.938	0.000	2.938	0.000
3.000	0.000	3.000	0.000	3.000	0.000	3.000	0.000
3.062	0.000	3.062	0.000	3.062	0.000	3.062	0.000
3.125	0.000	3.125	0.000	3.125	0.000	3.125	0.000
3.188	0.000	3.188	0.000	3.188	0.000	3.188	0.000
3.250	0.000	3.250	0.000	3.250	0.000	3.250	0.000
3.312	0.000	3.312	0.000	3.312	0.000	3.312	0.000
3.375	0.000	3.375	0.000	3.375	0.000	3.375	0.000
3.438	0.000	3.438	0.000	3.438	0.000	3.438	0.000
3.500	0.000	3.500	0.000	3.500	0.000	3.500	0.000
3.562	0.000	3.562	0.000	3.562	0.000	3.562	0.000
3.625	0.000	3.625	0.000	3.625	0.000	3.625	0.000
3.688	0.000	3.688	0.000	3.688	0.000	3.688	0.000
3.750	0.000	3.750	0.000	3.750	0.000	3.750	0.000
3.812	0.000	3.812	0.000	3.812	0.000	3.812	0.000
3.875	0.000	3.875	0.000	3.875	0.000	3.875	0.000
3.938	0.000	3.938	0.000	3.938	0.000	3.938	0.000
4.000	0.000	4.000	0.000	4.000	0.000	4.000	0.000
4.062	0.000	4.062	0.000	4.062	0.000	4.062	0.000
4.125	0.000	4.125	0.000	4.125	0.000	4.125	0.000
4.188	0.000	4.188	0.000	4.188	0.000	4.188	0.000
4.250	0.000	4.250	0.000	4.250	0.000	4.250	0.000
4.312	0.000	4.312	0.000	4.312	0.000	4.312	0.000
4.375	0.000	4.375	0.000	4.375	0.000	4.375	0.000
4.438	0.000	4.438	0.000	4.438	0.000	4.438	0.000
4.500	0.000	4.500	0.000	4.500	0.000	4.500	0.000
4.562	0.000	4.562	0.000	4.562	0.000	4.562	0.000
4.625	0.000	4.625	0.000	4.625	0.000	4.625	0.000
4.688	0.000	4.688	0.000	4.688	0.000	4.688	0.000
4.750	0.000	4.750	0.000	4.750	0.000	4.750	0.000
4.812	0.000	4.812	0.000	4.812	0.000	4.812	0.000
4.875	0.000	4.875	0.000	4.875	0.000	4.875	0.000
4.938	0.000	4.938	0.000	4.938	0.000	4.938	0.000
5.000	0.000	5.000	0.000	5.000	0.000	5.000	0.000
5.062	0.000	5.062	0.000	5.062	0.000	5.062	0.000
5.125	0.000	5.125	0.000	5.125	0.000	5.125	0.000
5.188	0.000	5.188	0.000	5.188	0.000	5.188	0.000
5.250	0.000	5.250	0.000	5.250	0.000	5.250	0.000
5.312	0.000	5.312	0.000	5.312	0.000	5.312	0.000
5.375	0.000	5.375	0.000	5.375	0.000	5.375	0.000
5.438	0.000	5.438	0.000	5.438	0.000	5.438	0.000
5.500	0.000	5.500	0.000	5.500	0.000	5.500	0.000
5.562	0.000	5.562	0.000	5.562	0.000	5.562	0.000
5.625	0.000	5.625	0.000	5.625	0.000	5.625	0.000
5.688	0.000	5.688	0.000	5.688	0.000	5.688	0.000
5.750	0.000	5.750	0.000	5.750	0.000	5.750	0.000
5.812	0.000	5.812	0.000	5.812	0.000	5.812	0.000
5.875	0.000	5.875	0.000	5.875	0.000	5.875	0.000
5.938	0.000	5.938	0.000	5.938	0.000	5.938	0.000
6.000	0.000	6.000	0.000	6.000	0.000	6.000	0.000
6.062	0.000	6.062	0.000	6.062	0.000	6.062	0.000
6.125	0.000	6.125	0.000	6.125	0.000	6.125	0.000
6.188	0.000	6.188	0.000	6.188	0.000	6.188	0.000
6.250	0.000	6.250	0.000	6.250	0.000	6.250	0.000
6.312	0.000	6.312	0.000	6.312	0.000	6.312	0.000
6.375	0.000	6.375	0.000	6.375	0.000	6.375	0.000
6.438	0.000	6.438	0.000	6.438	0.000	6.438	0.000
6.500	0.000	6.500	0.000	6.500	0.000	6.500	0.000
6.562	0.000	6.562	0.000	6.562	0.000	6.562	0.000
6.625	0.000	6.625	0.000	6.625	0.000	6.625	0.000
6.688	0.000	6.688	0.000	6.688	0.000	6.688	0.000
6.750	0.000	6.750	0.000	6.750	0.000	6.750	0.000
6.812	0.000	6.812	0.000	6.812	0.000	6.812	0.000
6.875	0.000	6.875	0.000	6.875	0.000	6.875	0.000
6.938	0.000	6.938	0.000	6.938	0.000	6.938	0.000
7.000	0.000	7.000	0.000	7.000	0.000	7.000	0.000
7.062	0.000	7.062	0.000	7.062	0.000	7.062	0.000
7.125	0.000	7.125	0.000	7.125	0.000	7.125	0.000
7.188	0.000	7.188	0.000	7.188	0.000	7.188	0.000
7.250	0.000	7.250	0.000	7.250	0.000	7.250	0.000
7.312	0.000	7.312	0.000	7.312	0.000	7.312	0.000
7.375	0.000	7.375	0.000	7.375	0.000	7.375	0.000
7.438	0.000	7.438	0.000	7.438	0.000	7.438	0.000
7.500	0.000	7.500	0.000	7.500	0.000	7.500	0.000
7.562	0.000	7.562	0.000	7.562	0.000	7.562	0.000
7.625	0.000	7.625	0.000	7.625	0.000	7.625	0.000
7.688	0.000	7.688	0.000	7.688	0.000	7.688	0.000
7.750	0.000	7.750	0.000	7.750	0.000	7.750	0.000
7.812	0.000	7.812	0.000	7.812	0.000	7.812	0.000
7.875	0.000	7.875	0.000	7.875	0.000	7.875	0.000
7.938	0.000	7.938	0.000	7.938	0.000	7.938	0.000
8.000	0.000	8.000	0.000	8.000	0.000	8.000	0.000
8.062	0.000	8.062	0.000	8.062	0.000	8.062	0.000
8.125	0.000	8.125	0.000	8.125	0.000	8.125	0.000
8.188	0.000	8.188	0.000	8.188	0.000	8.188	0.000
8.250	0.000	8.250	0.000	8.250	0.000	8.250	0.000
8.312	0.000	8.312	0.000	8.312	0.000	8.312	0.000
8.375	0.000	8.375	0.000	8.375	0.000	8.375	0.000
8.438	0.000	8.438	0.000	8.438	0.000	8.438	0.000
8.500	0.000	8.500	0.000	8.500	0.000	8.500	0.000
8.562	0.000	8.562	0.000	8.562	0.000	8.562	0.000
8.625	0.000	8.625	0.000	8.625	0.000	8.625	0.000
8.688	0.000	8.688	0.000	8.688	0.000	8.688	0.000
8.750	0.000	8.750	0.000	8.750	0.000	8.750	0.000
8.812	0.000	8.812	0.000	8.812	0.000	8.812	0.000
8.875	0.000	8.875	0.000	8.875	0.000	8.875	0.000
8.938	0.000	8.938	0.000	8.938	0.000	8.938	0.000
9.000	0.000	9.000	0.000	9.000	0.000	9.000	0.000
9.062	0.000	9.062	0.000	9.062	0.000	9.062	0.000
9.125							

221

[illegible]

223

224

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

WASHO (0103)	Area (ha) = 1.47	Curve Number (CN) = 79.0
ID= 1 DT= 2.0 min	Ia (mm) = 6.75	# of Linear Res. (N) = 3.00
	U.H. Tp (hrs) = 0.19	

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

--- TRANSFORMED HYETOGRAPH ---				
TIME	RAIN	TIME	RAIN	TIME
0.033	0.050	6.067	1.533	12.106
0.067	0.060	6.133	1.533	12.133
0.133	0.060	6.199	1.055	12.133
0.199	0.060	6.266	1.055	12.133
0.266	0.060	6.333	1.055	12.133
0.333	0.060	6.400	1.055	12.133
0.400	0.060	6.467	1.055	12.133
0.467	0.060	6.533	1.055	12.133
0.533	0.060	6.600	1.055	12.133
0.600	0.060	6.667	1.055	12.133
0.667	0.060	6.733	1.055	12.133
0.733	0.060	6.800	1.055	12.133
0.800	0.060	6.867	1.055	12.133
0.867	0.060	6.933	1.055	12.133
0.933	0.060	7.000	1.055	12.133
1.000	0.060	7.067	1.055	12.133
1.067	0.060	7.133	1.055	12.133
1.133	0.060	7.200	1.055	12.133
1.200	0.060	7.267	1.055	12.133
1.267	0.060	7.333	1.055	12.133
1.333	0.060	7.400	1.055	12.133
1.400	0.060	7.467	1.055	12.133
1.467	0.060	7.533	1.055	12.133
1.533	0.060	7.600	1.055	12.133
1.600	0.060	7.667	1.055	12.133
1.667	0.060	7.733	1.055	12.133
1.733	0.060	7.800	1.055	12.133
1.800	0.060	7.867	1.055	12.133
1.867	0.060	7.933	1.055	12.133
1.933	0.060	8.000	1.055	12.133
2.000	0.060	8.067	1.055	12.133
2.067	0.060	8.133	1.055	12.133
2.133	0.060	8.200	1.055	12.133
2.200	0.060	8.267	1.055	12.133
2.267	0.060	8.333	1.055	12.133
2.333	0.060	8.400	1.055	12.133
2.400	0.060	8.467	1.055	12.133
2.467	0.060	8.533	1.055	12.133
2.533	0.060	8.600	1.055	12.133
2.600	0.060	8.667	1.055	12.133
2.667	0.060	8.733	1.055	12.133
2.733	0.060	8.800	1.055	12.133
2.800	0.060	8.867	1.055	12.133
2.867	0.060	8.933	1.055	12.133
2.933	0.060	9.000	1.055	12.133
3.000	0.060	9.067	1.055	12.133
3.067	0.060	9.133	1.055	12.133
3.133	0.060	9.200	1.055	12.133
3.200	0.060	9.267	1.055	12.133
3.267	0.060	9.333	1.055	12.133
3.333	0.060	9.400	1.055	12.133
3.400	0.060	9.467	1.055	12.133
3.467	0.060	9.533	1.055	12.133
3.533	0.060	9.600	1.055	12.133
3.600	0.060	9.667	1.055	12.133
3.667	0.060	9.733	1.055	12.133
3.733	0.060	9.800	1.055	12.133
3.800	0.060	9.867	1.055	12.133
3.867	0.060	9.933	1.055	12.133
3.933	0.060	10.000	1.055	12.133
4.000	0.060	10.067	1.055	12.133
4.067	0.060	10.133	1.055	12.133
4.133	0.060	10.200	1.055	12.133
4.200	0.060	10.267	1.055	12.133
4.267	0.060	10.333	1.055	12.133
4.333	0.060	10.400	1.055	12.133
4.400	0.060	10.467	1.055	12.133
4.467	0.060	10.533	1.055	12.133
4.533	0.060	10.600	1.055	12.133
4.600	0.060	10.667	1.055	12.133
4.667	0.060	10.733	1.055	12.133
4.733	0.060	10.800	1.055	12.133
4.800	0.060	10.867	1.055	12.133
4.867	0.060	10.933	1.055	12.133
4.933	0.060	11.000	1.055	12.133
5.000	0.060	11.067	1.055	12.133
5.067	0.060	11.133	1.055	12.133
5.133	0.060	11.200	1.055	12.133
5.200	0.060	11.267	1.055	12.133
5.267	0.060	11.333	1.055	12.133
5.333	0.060	11.400	1.055	12.133
5.400	0.060	11.467	1.055	12.133
5.467	0.060	11.533	1.055	12.133
5.533	0.060	11.600	1.055	12.133
5.600	0.060	11.667	1.055	12.133
5.667	0.060	11.733	1.055	12.133
5.733	0.060	11.800	1.055	12.133
5.800	0.060	11.867	1.055	12.133
5.867	0.060	11.933	1.055	12.133
5.933	0.060	12.000	1.055	12.133
6.000	0.060	12.067	1.055	12.133
6.067	0.060	12.133	1.055	12.133
6.133	0.060	12.200	1.055	12.133
6.200	0.060	12.267	1.055	12.133
6.267	0.060	12.333	1.055	12.133
6.333	0.060	12.400	1.055	12.133
6.400	0.060	12.467	1.055	12.133
6.467	0.060	12.533	1.055	12.133
6.533	0.060	12.600	1.055	12.133
6.600	0.060	12.667	1.055	12.133
6.667	0.060	12.733	1.055	12.133
6.733	0.060	12.800	1.055	12.133
6.800	0.060	12.867	1.055	12.133
6.867	0.060	12.933	1.055	12.133
6.933	0.060	13.000	1.055	12.133
7.000	0.060	13.067	1.055	12.133
7.067	0.060	13.133	1.055	12.133
7.133	0.060	13.200	1.055	12.133
7.200	0.060	13.267	1.055	12.133
7.267	0.060	13.333	1.055	12.133
7.333	0.060	13.400	1.055	12.133
7.400	0.060	13.467	1.055	12.133
7.467	0.060	13.533	1.055	12.133
7.533	0.060	13.600	1.055	12.133
7.600	0.060	13.667	1.055	12.133
7.667	0.060	13.733	1.055	12.133
7.733	0.060	13.800	1.055	12.133
7.800	0.060	13.867	1.055	12.133
7.867	0.060	13.933	1.055	12.133
7.933	0.060	14.000	1.055	12.133
8.000	0.060	14.067	1.055	12.133
8.067	0.060	14.133	1.055	12.133
8.133	0.060	14.200	1.055	12.133
8.200	0.060	14.267	1.055	12.133
8.267	0.060	14.333	1.055	12.133
8.333	0.060	14.400	1.055	12.133
8.400	0.060	14.467	1.055	12.133
8.467	0.060	14.533	1.055	12.133
8.533	0.060	14.600	1.055	12.133
8.600	0.060	14.667	1.055	12.133
8.667	0.060	14.733	1.055	12.133
8.733	0.060	14.800	1.055	12.133
8.800	0.060	14.867	1.055	12.133
8.867	0.060	14.933	1.055	12.133
8.933	0.060	15.000	1.055	12.133
9.000	0.060	15.067	1.055	12.133
9.067	0.060	15.133	1.055	12.133
9.133	0.060	15.200	1.055	12.133
9.200	0.060	15.267	1.055	12.133
9.267	0.060	15.333	1.055	12.133
9.333	0.060	15.400	1.055	12.133
9.400	0.060	15.467	1.055	12.133
9.467	0.060	15.533	1.055	12.133
9.533	0.060	15.600	1.055	12.133
9.600	0.060	15.667	1.055	12.133
9.667	0.060	15.733	1.055	12.133
9.733	0.060	15.800	1.055	12.133
9.800	0.060	15.867	1.055	12.133
9.867	0.060	15.933	1.055	12.133
9.933	0.060	16.000	1.055	12.133
10.000	0.060	16.067	1.055	12.133
10.067	0.060	16.133	1.055	12.133
10.133	0.060	16.200	1.055	12.133
10.200	0.060	16.267	1.055	12.133
10.267	0.060	16.333	1.055	12.133
10.333	0.060	16.400	1.055	12.133
10.400	0.060	16.467	1.055	12.133
10.467	0.060	16.533	1.055	12.133
10.533	0.060	16.600	1.055	12.133
10.600	0.060	16.667	1.055	12.133
10.667	0.060	16.733	1.055	12.133
10.733	0.060	16.800	1.055	12.133
10.800	0.060	16.867	1.055	12.133
10.867	0.060	16.933	1.055	12.133
10.933	0.060	17.000	1.055	12.133
11.000	0.060	17.067	1.055	12.133
11.067	0.060	17.133	1.055	12.133
11.133	0.060	17.200	1.055	12.133
11.200	0.060	17.267	1.055	12.133
11.267	0.060	17.333	1.055	12.133
11.333	0.060	17.400	1.055	12.133
11.400	0.060	17.467	1.055	12.133
11.467	0.060	17.533	1.055	12.133
11.533	0.060	17.600	1.055	12.133
11.600	0.060	17.667	1.055	12.133
11.667	0.060	17.733	1.055	12.133
11.733	0.060	17.800	1.055	12.133
11.800	0.060	17.867	1.055	12.133
11.867	0.060	17.933	1.055	12.133
11.933	0.060	18.000	1.055	12.133
12.000	0.060	18.067	1.055	12.133
12.067	0.060	18.133	1.055	12.133
12.133	0.060	18.200	1.055	12.133
12.200	0.060	18.267	1.055	12.133
12.267	0.060	18.333	1.055	12.133
12.333	0.060	18.400	1.055	12.133
12.400	0.060	18.467	1.055	12.133
12.467	0.060	18.533	1.055	12.133
12.533	0.060	18.600	1.055	12.133
12.600	0.060	18.667	1.055	12.133
12.667	0.060	18.733	1.055	12.133
12.733	0.060	18.800	1.055	12.133
12.800	0.060	18.867	1.055	12.133
12.867	0.060	18.933	1.055	12.133
12.933	0.060	19.000	1.055	12.133
13.000	0.060	19.067	1.055	12.133
13.067	0.060	19.133	1.055	12.133
13.133	0.060	19.200	1.055	12.133
13.200	0.060	19.267	1.055	12.133
13.267	0.060	19.333	1.055	12.133
13.333	0.060	19.400	1.055	12.133
13.400	0.060	19.467	1.055	12.133
13.467	0.060	19.533	1.055	12.133
13.533	0.060	19.600	1.055	12.133
13.600	0.060	19.667	1.055	12.133
13.667	0.060	19.733	1.055	12.133
13.733	0.060	19.800	1.055	12.133
13.800	0.060	19.867	1.055	12.133
13.867	0.060	19.933	1.055	12.133
13.933	0.060	20.000	1.055	12.133
14.000	0.060	20.067	1.055	12.133
14.067	0.060	20.133	1.055	12.133
14.133	0.060	20.200	1.055	12.133
14.200	0.060	20.267	1.055	12.133
14.267	0.060	20.333	1.055	12.133
14.33				

0.8600	1.26	6.833	2.06	12.967	8.47	18.99	2.06	1.37
0.8633	1.26	6.867	2.06	12.967	8.47	18.93	2.06	1.37
0.8666	1.26	6.900	2.06	12.967	8.47	18.87	2.06	1.37
0.8699	1.26	6.933	2.06	12.967	8.47	18.80	2.06	1.37
0.8732	1.26	6.967	2.06	12.967	8.47	18.74	2.06	1.37
0.8765	1.26	7.000	2.06	12.967	8.47	18.67	2.06	1.37
0.8798	1.26	7.033	2.06	12.967	8.47	18.60	2.06	1.37
0.8831	1.26	7.067	2.06	12.967	8.47	18.53	2.06	1.37
0.8864	1.26	7.100	2.06	12.967	8.47	18.46	2.06	1.37
0.8897	1.26	7.133	2.06	12.967	8.47	18.39	2.06	1.37
0.8930	1.26	7.167	2.06	12.967	8.47	18.32	2.06	1.37
0.8963	1.26	7.200	2.06	12.967	8.47	18.25	2.06	1.37
0.8996	1.26	7.233	2.06	12.967	8.47	18.18	2.06	1.37
0.9029	1.26	7.267	2.06	12.967	8.47	18.11	2.06	1.37
0.9062	1.26	7.300	2.06	12.967	8.47	18.04	2.06	1.37
0.9095	1.26	7.333	2.06	12.967	8.47	17.97	2.06	1.37
0.9128	1.26	7.367	2.06	12.967	8.47	17.90	2.06	1.37
0.9161	1.26	7.400	2.06	12.967	8.47	17.83	2.06	1.37
0.9194	1.26	7.433	2.06	12.967	8.47	17.76	2.06	1.37
0.9227	1.26	7.467	2.06	12.967	8.47	17.69	2.06	1.37
0.9260	1.26	7.500	2.06	12.967	8.47	17.62	2.06	1.37
0.9293	1.26	7.533	2.06	12.967	8.47	17.55	2.06	1.37
0.9326	1.26	7.567	2.06	12.967	8.47	17.48	2.06	1.37
0.9359	1.26	7.600	2.06	12.967	8.47	17.41	2.06	1.37
0.9392	1.26	7.633	2.06	12.967	8.47	17.34	2.06	1.37
0.9425	1.26	7.667	2.06	12.967	8.47	17.27	2.06	1.37
0.9458	1.26	7.700	2.06	12.967	8.47	17.20	2.06	1.37
0.9491	1.26	7.733	2.06	12.967	8.47	17.13	2.06	1.37
0.9524	1.26	7.767	2.06	12.967	8.47	17.06	2.06	1.37
0.9557	1.26	7.800	2.06	12.967	8.47	16.99	2.06	1.37
0.9590	1.26	7.833	2.06	12.967	8.47	16.92	2.06	1.37
0.9623	1.26	7.867	2.06	12.967	8.47	16.85	2.06	1.37
0.9656	1.26	7.900	2.06	12.967	8.47	16.78	2.06	1.37
0.9689	1.26	7.933	2.06	12.967	8.47	16.71	2.06	1.37
0.9722	1.26	7.967	2.06	12.967	8.47	16.64	2.06	1.37
0.9755	1.26	8.000	2.06	12.967	8.47	16.57	2.06	1.37
0.9788	1.26	8.033	2.06	12.967	8.47	16.50	2.06	1.37
0.9821	1.26	8.067	2.06	12.967	8.47	16.43	2.06	1.37
0.9854	1.26	8.100	2.06	12.967	8.47	16.36	2.06	1.37
0.9887	1.26	8.133	2.06	12.967	8.47	16.29	2.06	1.37
0.9920	1.26	8.167	2.06	12.967	8.47	16.22	2.06	1.37
0.9953	1.26	8.200	2.06	12.967	8.47	16.15	2.06	1.37
0.9986	1.26	8.233	2.06	12.967	8.47	16.08	2.06	1.37
1.0019	1.26	8.267	2.06	12.967	8.47	16.01	2.06	1.37
1.0052	1.26	8.300	2.06	12.967	8.47	15.94	2.06	1.37
1.0085	1.26	8.333	2.06	12.967	8.47	15.87	2.06	1.37
1.0118	1.26	8.367	2.06	12.967	8.47	15.80	2.06	1.37
1.0151	1.26	8.400	2.06	12.967	8.47	15.73	2.06	1.37
1.0184	1.26	8.433	2.06	12.967	8.47	15.66	2.06	1.37
1.0217	1.26	8.467	2.06	12.967	8.47	15.59	2.06	1.37
1.0250	1.26	8.500	2.06	12.967	8.47	15.52	2.06	1.37
1.0283	1.26	8.533	2.06	12.967	8.47	15.45	2.06	1.37
1.0316	1.26	8.567	2.06	12.967	8.47	15.38	2.06	1.37
1.0349	1.26	8.600	2.06	12.967	8.47	15.31	2.06	1.37
1.0382	1.26	8.633	2.06	12.967	8.47	15.24	2.06	1.37
1.0415	1.26	8.667	2.06	12.967	8.47	15.17	2.06	1.37
1.0448	1.26	8.700	2.06	12.967	8.47	15.10	2.06	1.37
1.0481	1.26	8.733	2.06	12.967	8.47	15.03	2.06	1.37
1.0514	1.26	8.767	2.06	12.967	8.47	14.96	2.06	1.37
1.0547	1.26	8.800	2.06	12.967	8.47	14.89	2.06	1.37
1.0580	1.26	8.833	2.06	12.967	8.47	14.82	2.06	1.37
1.0613	1.26	8.867	2.06	12.967	8.47	14.75	2.06	1.37
1.0646	1.26	8.900	2.06	12.967	8.47	14.68	2.06	1.37
1.0679	1.26	8.933	2.06	12.967	8.47	14.61	2.06	1.37
1.0712	1.26	8.967	2.06	12.967	8.47	14.54	2.06	1.37
1.0745	1.26	9.000	2.06	12.967	8.47	14.47	2.06	1.37
1.0778	1.26	9.033	2.06	12.967	8.47	14.40	2.06	1.37
1.0811	1.26	9.067	2.06	12.967	8.47	14.33	2.06	1.37
1.0844	1.26	9.100	2.06	12.967	8.47	14.26	2.06	1.37
1.0877	1.26	9.133	2.06	12.967	8.47	14.19	2.06	1.37
1.0910	1.26	9.167	2.06	12.967	8.47	14.12	2.06	1.37
1.0943	1.26	9.200	2.06	12.967	8.47	14.05	2.06	1.37
1.0976	1.26	9.233	2.06	12.967	8.47	13.98	2.06	1.37
1.1009	1.26	9.267	2.06	12.967	8.47	13.91	2.06	1.37
1.1042	1.26	9.300	2.06	12.967	8.47	13.84	2.06	1.37
1.1075	1.26	9.333	2.06	12.967	8.47	13.77	2.06	1.37
1.1108	1.26	9.367	2.06	12.967	8.47	13.70	2.06	1.37
1.1141	1.26	9.400	2.06	12.967	8.47	13.63	2.06	1.37
1.1174	1.26	9.433	2.06	12.967	8.47	13.56	2.06	1.37
1.1207	1.26	9.467	2.06	12.967	8.47	13.49	2.06	1.37
1.1240	1.26	9.500	2.06	12.967	8.47	13.42	2.06	1.37
1.1273	1.26	9.533	2.06	12.967	8.47	13.35	2.06	1.37
1.1306	1.26	9.567	2.06	12.967	8.47	13.28	2.06	1.37
1.1339	1.26	9.600	2.06	12.967	8.47	13.21	2.06	1.37
1.1372	1.26	9.633	2.06	12.967	8.47	13.14	2.06	1.37
1.1405	1.26	9.667	2.06	12.967	8.47	13.07	2.06	1.37
1.1438	1.26	9.700	2.06	12.967	8.47	13.00	2.06	1.37
1.1471	1.26	9.733	2.06	12.967	8.47	12.93	2.06	1.37
1.1504	1.26	9.767	2.06	12.967	8.47	12.86	2.06	1.37
1.1537	1.26	9.800	2.06	12.967	8.47	12.79	2.06	1.37
1.1570	1.26	9.833	2.06	12.967	8.47	12.72	2.06	1.37
1.1603	1.26	9.867	2.06	12.967	8.47	12.65	2.06	1.37
1.1636	1.26	9.900	2.06	12.967	8.47	12.58	2.06	1.37
1.1669	1.26	9.933	2.06	12.967	8.47	12.51	2.06	1.37
1.1702	1.26	9.967	2.06	12.967	8.47	12.44	2.06	1.37
1.1735	1.26	10.000	2.06	12.967	8.47	12.37	2.06	1.37
1.1768	1.26	10.033	2.06	12.967	8.47	12.30	2.06	1.37
1.1801	1.26	10.067	2.06	12.967	8.47	12.23	2.06	1.37
1.1834	1.26	10.100	2.06	12.967	8.47	12.16	2.06	1.37
1.1867	1.26	10.133	2.06	12.967	8.47	12.09	2.06	1.37
1.1900	1.26	10.167	2.06	12.967	8.47	12.02	2.06	1.37
1.1933	1.26	10.200	2.06	12.967	8.47	11.95	2.06	1.37
1.1966	1.26	10.233	2.06	12.967	8.47	11.88	2.06	1.37
1.1999	1.26	10.267	2.06	12.967	8.47	11.81	2.06	1.37
1.2032	1.26	10.300	2.06	12.967	8.47	11.74	2.06	1.37
1.2065	1.26	10.333	2.06	12.967	8.47	11.67	2.06	1.37
1.2098	1.26	10.367	2.06	12.967	8.47	11.60	2.06	1.37
1.2131	1.26	10.400	2.06	12.967	8.47	11.53	2.06	1.37
1.2164	1.26	10.433	2.06	12.967	8.47	11.46	2.06	1.37
1.2197	1.26	10.467	2.06	12.967	8.47	11.39	2.06	1.37
1.2230	1.26	10.500	2.06	12.967	8.47	11.32	2.06	1.37
1.2263	1.26	10.533	2.06	12.967	8.47	11.25	2.06	1.37
1.2296	1.26	10.567	2.06	12.967	8.47	11.18	2.06	1.37
1.2329	1.26	10.600	2.06	12.967	8.47	11.11	2.06	1.37
1.2362	1.26	10.633	2.06	12.967	8.47	11.04	2.06	1.37
1.2395	1.26	10.667	2.06	12.967	8.47	10.97	2.06	1.37
1.2428	1.26	10.700	2.06	12.967	8.47	10.90	2.06	1.37
1.2461	1.26	10.733	2.06	12.967	8.47	10.83	2.06	1.37
1.2494	1.26	10.767	2.06	12.967	8.47	10.76	2.06	1.37
1.2527	1.26	10.800	2.06	12.967	8.47	10.69	2.06	1.37
1.2560	1.26	10.833	2.06	12.967	8.47	10.62	2.06	1.37
1.2593	1.26	10.867	2.06	12.967	8.47	10.55	2.06	1.37
1.2626	1.26	10.900	2.06	12.967	8.47	10.48	2.06	1.37
1.2659	1.26	10.933	2.06	12.967	8.47	10.41	2.06	1.37
1.2692	1.26	10.967	2.06	12.967	8.47	10.34	2.06	1.37
1.2725	1.26	11.000	2.06	12.967	8.47	10.27	2.06	1.37
1.2758	1.26	11.033	2.06	12.967	8.47	10.20	2.06	1.37
1.2791	1.26	11.067	2.06	12.967	8.47	10.13	2.06	1.37
1.2824	1.26	11.100	2.06	12.967	8.47	10.06	2.06	1.37
1.2857	1.26	11.133	2.06	12.967	8.47	9.99	2.06	1.37
1.2890	1.26	11.167	2.06	12.967	8.47	9.92	2.06	1.37
1.2923	1.26	11.200	2.06	12.967	8.47	9.85	2.06	1.37
1.2956	1.26	11.233	2.06					

CALIB
MASHVD (0106) Area (ha) = 3.32 Curve Number (CN) = 79.0
ID= 1.01= 2.0 min U.H. Tr(hrs) = 0.24 # of Linear Res.(N) = 3.66

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

--- TRANSFORMED HYETOGRAPH ---									
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.003	1.77	0.033	4.93	0.033	6.94	3.03	2.49	0.033	4.93
0.066	1.81	0.100	4.31	0.100	6.44	3.16	2.44	0.100	4.31
0.133	1.85	0.166	4.60	0.166	6.53	3.28	2.38	0.166	4.60
0.200	1.94	0.200	5.39	0.200	6.20	3.26	2.28	0.200	5.39
0.233	1.94	0.233	5.39	0.233	6.20	3.23	2.28	0.233	5.39
0.266	1.85	0.266	5.39	0.266	6.20	3.23	2.28	0.266	5.39
0.300	1.85	0.300	6.58	0.300	6.44	3.36	2.19	0.300	6.58
0.333	2.03	0.333	6.58	0.333	6.44	3.33	2.19	0.333	6.58
0.400	2.14	0.400	8.57	0.400	4.20	3.40	2.10	0.400	8.57
0.433	2.20	0.433	10.56	0.433	4.02	3.43	2.07	0.433	10.56
0.466	2.27	0.466	12.69	0.466	3.95	3.49	2.03	0.466	12.69
0.500	2.41	0.500	25.30	0.500	3.55	3.53	1.96	0.500	25.30
0.533	2.41	0.533	25.30	0.533	3.55	3.53	1.96	0.533	25.30
0.566	2.43	0.566	25.39	0.566	3.45	3.57	1.96	0.566	25.39
0.600	2.57	0.600	27.62	0.600	3.31	3.67	1.89	0.600	27.62
0.633	2.57	0.633	27.62	0.633	3.31	3.63	1.85	0.633	27.62
0.666	2.57	0.666	27.62	0.666	3.31	3.63	1.85	0.666	27.62
0.700	2.76	0.700	28.18	0.700	3.10	3.73	1.83	0.700	28.18
0.733	2.76	0.733	28.18	0.733	3.10	3.73	1.83	0.733	28.18
0.766	2.87	0.766	21.88	0.766	3.01	3.77	1.89	0.766	21.88
0.800	2.87	0.800	21.88	0.800	3.01	3.77	1.89	0.800	21.88
0.833	2.98	0.833	15.59	0.833	2.92	3.83	1.78	0.833	15.59
0.866	3.26	0.866	10.89	0.866	2.76	3.87	1.72	0.866	10.89
0.900	3.42	0.900	8.44	0.900	2.69	3.93	1.76	0.900	3.42
0.933	3.42	0.933	8.44	0.933	2.69	3.93	1.76	0.933	3.42
0.966	3.59	0.966	8.44	0.966	2.62	3.97	1.68	0.966	3.59
1.000	3.59	1.000	8.44	1.000	2.62	3.97	1.68	1.000	3.59

Unit Hyd Gpeak (cms) = 0.528

PEAK FLOW (cms) = 0.031 (1)
TIME TO PEAK (hrs) = 2.000 (1)
RUNOFF VOLUME (mm) = 3.885
TOTAL RAINFALL (mm) = 6.155
RUNOFF COEFFICIENT = 0.155

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
MASHVD (0106) Area (ha) = 0.36 Curve Number (CN) = 79.0
ID= 1.01= 2.0 min U.H. Tr(hrs) = 0.14 # of Linear Res.(N) = 3.66

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

--- TRANSFORMED HYETOGRAPH ---									
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr

237

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

--- TRANSFORMED HYETOGRAPH ---									
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr

238

--- TRANSFORMED HYETOGRAPH ---									
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.033	1.77	0.033	4.93	0.033	6.94	3.03	2.49	0.033	4.93
0.066	1.81	0.066	4.31	0.066	6.44	3.16	2.44	0.066	4.31
0.100	1.85	0.100	4.60	0.100	6.53	3.28	2.38	0.100	4.60
0.133	1.85	0.133	4.60	0.133	6.53	3.28	2.38	0.133	4.60
0.166	1.94	0.166	5.39	0.166	6.20	3.26	2.28	0.166	5.39
0.200	1.94	0.200	5.39	0.200	6.20	3.23	2.28	0.200	5.39
0.233	1.94	0.233	5.39	0.233	6.20	3.23	2.28	0.233	5.39
0.266	1.85	0.266	5.39	0.266	6.20	3.23	2.28	0.266	5.39
0.300	1.85	0.300	6.58	0.300	6.44	3.36	2.19	0.300	6.58
0.333	2.03	0.333	6.58	0.333	6.44	3.33	2.19	0.333	6.58
0.400	2.14	0.400	8.57	0.400	4.20	3.40	2.10	0.400	8.57
0.433	2.20	0.433	10.56	0.433	4.02	3.43	2.07	0.433	10.56
0.466	2.27	0.466	12.69	0.466	3.95	3.49	2.03	0.466	12.69
0.500	2.41	0.500	25.30	0.500	3.55	3.53	1.96	0.500	25.30
0.533	2.41	0.533	25.30	0.533	3.55	3.53	1.96	0.533	25.30
0.566	2.43	0.566	25.39	0.566	3.45	3.57	1.96	0.566	25.39
0.600	2.57	0.600	27.62	0.600	3.31	3.67	1.89	0.600	27.62
0.633	2.57	0.633	27.62	0.633	3.31	3.63	1.85	0.633	27.62
0.666	2.57	0.666	27.62	0.666	3.31	3.63	1.85	0.666	27.62
0.700	2.76	0.700	28.18	0.700	3.10	3.73	1.83	0.700	28.18
0.733	2.76	0.733	28.18	0.733	3.10	3.73	1.83	0.733	28.18
0.766	2.87	0.766	21.88	0.766	3.01	3.77	1.89	0.766	21.88
0.800	2.87	0.800	21.88	0.800	3.01	3.77	1.89	0.800	21.88
0.833	2.98	0.833	15.59	0.833	2.92	3.83	1.78	0.833	15.59
0.866	3.26	0.866	10.89	0.866	2.76	3.87	1.72	0.866	10.89
0.900	3.42	0.900	8.44	0.900	2.69	3.93	1.76	0.900	3.42
0.933	3.42	0.933	8.44	0.933	2.69	3.93	1.76	0.933	3.42
0.966	3.59	0.966	8.44	0.966	2.62	3.97	1.68	0.966	3.59
1.000	3.59	1.000	8.44	1.000	2.62	3.97	1.68	1.000	3.59

Unit Hyd Gpeak (cms) = 0.098

PEAK FLOW (cms) = 0.004 (1)
TIME TO PEAK (hrs) = 1.000 (1)
RUNOFF VOLUME (mm) = 3.883
TOTAL RAINFALL (mm) = 6.155
RUNOFF COEFFICIENT = 0.155

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0104) Area (ha) = 0.95
ID= 1.01= 1.0 min Impervious Pervious (1)
Surface Area (ha) = 0.50
Length (m) = 1.00
Average Slope (%) = 2.00
Manning's n = 0.013
Dir. Conn.(%) = 26.00

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

--- TRANSFORMED HYETOGRAPH ---									
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr

PEAK FLOW (cms) = 0.94
TIME TO PEAK (hrs) = 0.01
TOTAL RAINFALL (mm) = 25.61
RUNOFF COEFFICIENT = 0.27

(1) CN PROCEDURE SELECTED FOR PREVIOUS LOSSES:
CN = 79.0 (FROM PREVIOUS STEP)
(11) TIME STEP SHOULD BE EQUAL OR EQUAL
(111) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
MASHVD (0107) Area (ha) = 0.15 Curve Number (CN) = 79.0
ID= 1.01= 2.0 min U.H. Tr(hrs) = 0.11 # of Linear Res.(N) = 3.66

NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.

--- TRANSFORMED HYETOGRAPH ---									
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr

0.033	1.77	0.033	4.93	0.033	6.94	3.03	2.49	0.033	4.93
0.066	1.81	0.066	4.31	0.066	6.44	3.16	2.44	0.066	4.31
0.100	1.85	0.100	4.60	0.100	6.53	3.28	2.38	0.100	4.60
0.133	1.85	0.133	4.60	0.133	6.53	3.28	2.38	0.133	4.60
0.166	1.94	0.166	5.39	0.166	6.20	3.26	2.28	0.166	5.39
0.200	1.94	0.200	5.39	0.200	6.20	3.23	2.28	0.200	5.39
0.233	1.94	0.233	5.39	0.233	6.20	3.23	2.28	0.233	5.39
0.266	1.85	0.266	5.39	0.266	6.20	3.23	2.28	0.266	5.39
0.300	1.85	0.300	6.58	0.300	6.44	3.36	2.19	0.300	6.58
0.333	2.03	0.333	6.58	0.333	6.44	3.33	2.19	0.333	6.58
0.400	2.14	0.400	8.57	0.400	4.20	3.40	2.10	0.400	8.57
0.433	2.20	0.433	10.56	0.433	4.02	3.43	2.07	0.433	10.56
0.466	2.27	0.466	12.69	0.466	3.95	3.49	2.03	0.466	12.69
0.500	2.41	0.500	25.30	0.500	3.55	3.53	1.96	0.500	25.30
0.533	2.41	0.533	25.30	0.533	3.55	3.53	1.96	0.533	25.30
0.566	2.43	0.566	25.39	0.566	3.45	3.57	1.96	0.566	25.39
0.600	2.57	0.600	27.62	0.600	3.31	3.67	1.89	0.600	27.62
0.633	2.57	0.633	27.62	0.633	3.31	3.63	1.85	0.633	27.62
0.666	2.57	0.666	27.62	0.666	3.31	3.63	1.85	0.666	27.62
0.700	2.76	0.700	28.18	0.700	3.10	3.73	1.83	0.700	28.18
0.733	2.76	0.733	28.18	0.733	3.10	3.73	1.83	0.733	28.18
0.766	2.87	0.766	21.88	0.766	3.01	3.77	1.89	0.766	21.88
0.800	2.87	0.800	21.88	0.800	3.01	3.77	1.89	0.800	21.88
0.833	2.98	0.833	15.59	0.833	2.92	3.83	1.78	0.833	15.59
0.866	3.26	0.866	10.89	0.866	2.76	3.87	1.72	0.866	10.89
0.900	3.42	0.900	8.44	0.900	2.69	3.93	1.76	0.900	3.42
0.933	3.42	0.933	8.44	0.933	2.69	3.93	1.76	0.933	3.42
0.966	3.59	0.966	8.44	0.966	2.62	3.97	1.68	0.966	3.59
1.000	3.59	1.000	8.44	1.000	2.62	3.97	1.68	1.000	3.59

Unit Hyd Gpeak (cms) = 0.052

PEAK FLOW (cms) = 0.002 (1)
TIME TO PEAK (hrs) = 1.000 (1)
RUNOFF VOLUME (mm) = 3.881
TOTAL RAINFALL (mm) = 6.155
RUNOFF COEFFICIENT = 0.155

TOTALS

Max.Eff.Inten.(mm/hr) = 17.12
Storage.Coeff.(min) = 5.08
Unit Hyd. Peak (min) = 17.60 (11)
Unit Hyd. Peak (min) = 5.08
Unit Hyd. Peak (min) = 5.08

239

240

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB		Area		(ha)	= 0.08	Curve Number	(CN) = 79.0
WASHYO		Ia		(mm)	= 6.75	# of Linear Res.	(N) = 3.00
10D= 1 DT= 2.0 min		U.H. Tp(hrs)		= 0.09			
NOTE: RAINFALL WAS TRANSFORMED TO 2.0 MIN. TIME STEP.							
--- TRANSFORMED HYETOGRAPH ---							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
h/m	mm/hr	h/m	mm/hr	h/m	mm/hr	h/m	mm/hr
0.033	1.77	1.033	4.03	2.033	6.94	3.03	2.49
0.067	1.77	1.067	4.03	2.067	6.94	3.07	2.49
0.133	1.77	1.133	4.03	2.133	6.94	3.13	2.49
0.200	1.77	1.200	4.03	2.200	6.94	3.20	2.49
0.267	1.77	1.267	4.03	2.267	6.94	3.27	2.49
0.333	1.77	1.333	4.03	2.333	6.94	3.33	2.49
0.400	1.77	1.400	4.03	2.400	6.94	3.40	2.49
0.467	1.77	1.467	4.03	2.467	6.94	3.47	2.49
0.533	1.77	1.533	4.03	2.533	6.94	3.53	2.49
0.600	1.77	1.600	4.03	2.600	6.94	3.60	2.49
0.667	1.77	1.667	4.03	2.667	6.94	3.67	2.49
0.733	1.77	1.733	4.03	2.733	6.94	3.73	2.49
0.800	1.77	1.800	4.03	2.800	6.94	3.80	2.49
0.867	1.77	1.867	4.03	2.867	6.94	3.87	2.49
0.933	1.77	1.933	4.03	2.933	6.94	3.93	2.49
1.000	1.77	2.000	4.03	3.000	6.94	4.00	2.49
1.067	1.77	2.067	4.03	3.067	6.94	4.07	2.49
1.133	1.77	2.133	4.03	3.133	6.94	4.13	2.49
1.200	1.77	2.200	4.03	3.200	6.94	4.20	2.49
1.267	1.77	2.267	4.03	3.267	6.94	4.27	2.49
1.333	1.77	2.333	4.03	3.333	6.94	4.33	2.49
1.400	1.77	2.400	4.03	3.400	6.94	4.40	2.49
1.467	1.77	2.467	4.03	3.467	6.94	4.47	2.49
1.533	1.77	2.533	4.03	3.533	6.94	4.53	2.49
1.600	1.77	2.600	4.03	3.600	6.94	4.60	2.49
1.667	1.77	2.667	4.03	3.667	6.94	4.67	2.49
1.733	1.77	2.733	4.03	3.733	6.94	4.73	2.49
1.800	1.77	2.800	4.03	3.800	6.94	4.80	2.49
1.867	1.77	2.867	4.03	3.867	6.94	4.87	2.49
1.933	1.77	2.933	4.03	3.933	6.94	4.93	2.49
2.000	1.77	3.000	4.03	4.000	6.94	5.00	2.49
2.067	1.77	3.067	4.03	4.067	6.94	5.07	2.49
2.133	1.77	3.133	4.03	4.133	6.94	5.13	2.49
2.200	1.77	3.200	4.03	4.200	6.94	5.20	2.49
2.267	1.77	3.267	4.03	4.267	6.94	5.27	2.49
2.333	1.77	3.333	4.03	4.333	6.94	5.33	2.49
2.400	1.77	3.400	4.03	4.400	6.94	5.40	2.49
2.467	1.77	3.467	4.03	4.467	6.94	5.47	2.49
2.533	1.77	3.533	4.03	4.533	6.94	5.53	2.49
2.600	1.77	3.600	4.03	4.600	6.94	5.60	2.49
2.667	1.77	3.667	4.03	4.667	6.94	5.67	2.49
2.733	1.77	3.733	4.03	4.733	6.94	5.73	2.49
2.800	1.77	3.800	4.03	4.800	6.94	5.80	2.49
2.867	1.77	3.867	4.03	4.867	6.94	5.87	2.49
2.933	1.77	3.933	4.03	4.933	6.94	5.93	2.49
3.000	1.77	4.000	4.03	5.000	6.94	6.00	2.49
3.067	1.77	4.067	4.03	5.067	6.94	6.07	2.49
3.133	1.77	4.133	4.03	5.133	6.94	6.13	2.49
3.200	1.77	4.200	4.03	5.200	6.94	6.20	2.49
3.267	1.77	4.267	4.03	5.267	6.94	6.27	2.49
3.333	1.77	4.333	4.03	5.333	6.94	6.33	2.49
3.400	1.77	4.400	4.03	5.400	6.94	6.40	2.49
3.467	1.77	4.467	4.03	5.467	6.94	6.47	2.49
3.533	1.77	4.533	4.03	5.533	6.94	6.53	2.49
3.600	1.77	4.600	4.03	5.600	6.94	6.60	2.49
3.667	1.77	4.667	4.03	5.667	6.94	6.67	2.49
3.733	1.77	4.733	4.03	5.733	6.94	6.73	2.49
3.800	1.77	4.800	4.03	5.800	6.94	6.80	2.49
3.867	1.77	4.867	4.03	5.867	6.94	6.87	2.49
3.933	1.77	4.933	4.03	5.933	6.94	6.93	2.49
4.000	1.77	5.000	4.03	6.000	6.94	7.00	2.49
4.067	1.77	5.067	4.03	6.067	6.94	7.07	2.49
4.133	1.77	5.133	4.03	6.133	6.94	7.13	2.49
4.200	1.77	5.200	4.03	6.200	6.94	7.20	2.49
4.267	1.77	5.267	4.03	6.267	6.94	7.27	2.49
4.333	1.77	5.333	4.03	6.333	6.94	7.33	2.49
4.400	1.77	5.400	4.03	6.400	6.94	7.40	2.49
4.467	1.77	5.467	4.03	6.467	6.94	7.47	2.49
4.533	1.77	5.533	4.03	6.533	6.94	7.53	2.49
4.600	1.77	5.600	4.03	6.600	6.94	7.60	2.49
4.667	1.77	5.667	4.03	6.667	6.94	7.67	2.49
4.733	1.77	5.733	4.03	6.733	6.94	7.73	2.49
4.800	1.77	5.800	4.03	6.800	6.94	7.80	2.49
4.867	1.77	5.867	4.03	6.867	6.94	7.87	2.49
4.933	1.77	5.933	4.03	6.933	6.94	7.93	2.49
5.000	1.77	6.000	4.03	7.000	6.94	8.00	2.49
5.067	1.77	6.067	4.03	7.067	6.94	8.07	2.49
5.133	1.77	6.133	4.03	7.133	6.94	8.13	2.49
5.200	1.77	6.200	4.03	7.200	6.94	8.20	2.49
5.267	1.77	6.267	4.03	7.267	6.94	8.27	2.49
5.333	1.77	6.333	4.03	7.333	6.94	8.33	2.49
5.400	1.77	6.400	4.03	7.400	6.94	8.40	2.49
5.467	1.77	6.467	4.03	7.467	6.94	8.47	2.49
5.533	1.77	6.533	4.03	7.533	6.94	8.53	2.49
5.600	1.77	6.600	4.03	7.600	6.94	8.60	2.49
5.667	1.77	6.667	4.03	7.667	6.94	8.67	2.49
5.733	1.77	6.733	4.03	7.733	6.94	8.73	2.49
5.800	1.77	6.800	4.03	7.800	6.94	8.80	2.49
5.867	1.77	6.867	4.03	7.867	6.94	8.87	2.49
5.933	1.77	6.933	4.03	7.933	6.94	8.93	2.49
6.000	1.77	7.000	4.03	8.000	6.94	9.00	2.49
6.067	1.77	7.067	4.03	8.067	6.94	9.07	2.49
6.133	1.77	7.133	4.03	8.133	6.94	9.13	2.49
6.200	1.77	7.200	4.03	8.200	6.94	9.20	2.49
6.267	1.77	7.267	4.03	8.267	6.94	9.27	2.49
6.333	1.77	7.333	4.03	8.333	6.94	9.33	2.49
6.400	1.77	7.400	4.03	8.400	6.94	9.40	2.49
6.467	1.77	7.467	4.03	8.467	6.94	9.47	2.49
6.533	1.77	7.533	4.03	8.533	6.94	9.53	2.49
6.600	1.77	7.600	4.03	8.600	6.94	9.60	2.49
6.667	1.77	7.667	4.03	8.667	6.94	9.67	2.49
6.733	1.77	7.733	4.03	8.733	6.94	9.73	2.49
6.800	1.77	7.800	4.03	8.800	6.94	9.80	2.49
6.867	1.77	7.867	4.03	8.867	6.94	9.87	2.49
6.933	1.77	7.933	4.03	8.933	6.94	9.93	2.49
7.000	1.77	8.000	4.03	9.000	6.94	10.00	2.49
7.067	1.77	8.067	4.03	9.067	6.94	10.07	2.49
7.133	1.77	8.133	4.03	9.133	6.94	10.13	2.49
7.200	1.77	8.200	4.03	9.200	6.94	10.20	2.49
7.267	1.77	8.267	4.03	9.267	6.94	10.27	2.49
7.333	1.77	8.333	4.03	9.333	6.94	10.33	2.49
7.400	1.77	8.400	4.03	9.400	6.94	10.40	2.49
7.467	1.77	8.467	4.03	9.467	6.94	10.47	2.49
7.533	1.77	8.533	4.03	9.533	6.94	10.53	2.49
7.600	1.77	8.600	4.03	9.600	6.94	10.60	2.49
7.667	1.77	8.667	4.03	9.667	6.94	10.67	2.49
7.733	1.77	8.733	4.03	9.733	6.94	10.73	2.49
7.800	1.77	8.800	4.03	9.800	6.94	10.80	2.49
7.867	1.77	8.867	4.03	9.867	6.94	10.87	2.49
7.933	1.77	8.933	4.03	9.933	6.94	10.93	2.49
8.000	1.77	9.000	4.03	10.000	6.94	11.00	2.49
8.067	1.77	9.067	4.03	10.067	6.94	11.07	2.49
8.133	1.77	9.133	4.03	10.133	6.94	11.13	2.49
8.200	1.77	9.200	4.03	10.200	6.94	11.20	2.49
8.267	1.77	9.267	4.03	10.267	6.94	11.27	2.49
8.333	1.77	9.333	4.03	10.333	6.94	11.33	2.49
8.400	1.77	9.400	4.03	10.400	6.94	11.40	2.49
8.467	1.77	9.467	4.03	10.467	6.94	11.47	2.49
8.533	1.77	9.533	4.03	10.533	6.94	11.53	2.49
8.600	1.77	9.600	4.03	10.600	6.94	11.60	2.49
8.667	1.77	9.667	4.03	10.667	6.94	11.67	2.49
8.733	1.77	9.733	4.03	10.733	6.94	11.73	2.49
8.800	1.77	9.800	4.03	10.800	6.94	11.80	2.49
8.867	1.77	9.867	4.03	10.867	6.94	11.87	2.49
8.933	1.77	9.933	4.03	10.933	6.94	11.93	2.49
9.000	1.77	10.000	4.03	11.000	6.94	12.00	2.49
9.067	1.77	10.067	4.03	11.067	6.94	12.07	2.49
9.133	1.77	10.133	4.03	11.133	6.94	12.13	2.49
9.200	1.77	10.200	4.03	11.200	6.94	12.20	2.49
9.267	1.77	10.267	4.03	11.267	6.94	12.27	2.49
9.333	1.77	10.333	4.03	11.333	6.94	12.33	2.49
9.400	1.77	10.400	4.03	11.400	6.94	12.40	2.49
9.467	1.77	10.467	4.03	11.467	6.94	12.47	2.49
9.533	1.77	10.533	4.03	11.533	6.94	12.53	2.49
9.600	1.77	10.600	4.03	11.600	6.94	12.60	2.49
9.667	1.77	10.667	4.03	11.667	6.94	12.67	2.49
9.733	1.77	10.733	4.03	11.733	6.94	12.73	2.49
9.800	1.77	10.800	4.03	11.800	6.94	12.80	2.49
9.867	1.77	10.867	4.03	11.867	6.94	12.87	2.49
9.933	1.77	10.933	4.03	11.933	6.94	12.93	2.49
10.000	1.77	11.000	4.03	12.000	6.94	13.00	2.

Appendix C

Post-Development Hydrologic Modeling

Highway 20 & Thorold Townline Road Subdivision
Preliminary Stormwater Management
Thorold, Ontario



Project Number: 49428-100

Date: 10/23/2024

Designed by: RSM

File: Q:\49428\100\SWM\Preliminary\49428-100 -Preliminary SWM Analysis.xlsx\Param - Post

POST-DEVELOPMENT CONDITIONS HYDROLOGIC MODELING PARAMETERS

Catchment ID	Catchment Description	Hydrograph Method	Area (ha)	Perv. CN	Perv. IA	IMP IA (mm)	Impervious (%)		Flow Length (m)		Manning "n"		Slope (%)		Time to Peak Tp (hrs)
							TIMP	XIMP	Perv.	Imperv.	Perv.	Imperv.	Perv.	Imperv.	
201	Undeveloped, to SWM Facility via overland	NASHYD	1.68	80	6.35	1.00	0.10	0.00	100	20	0.250	0.013	2.0	1.0	0.11
202	Uncontrolled to Townline Ditch - Street K	STANDHYD	0.13	80	6.35	1.00	0.60	0.30	10	30	0.25	0.013	2.0	1.0	0.11
203	Uncontrolled to Townline Ditch -Street A	STANDHYD	0.10	80	6.35	1.00	0.60	0.30	10	30	0.25	0.013	2.0	1.0	0.11
204	Controlled to SWM Pond	STANDHYD	20.71	90	2.82	1.00	0.75	0.37	30	40	0.250	0.013	2.0	1.0	0.14
205	Uncontrolled, Hydro Corridor	NASHYD	0.06	80	6.35	1.00	0.05	0.01	15	5	0.250	0.013	2.0	1.0	0.11
206	SWM Block 112	STANDHYD	1.53	80	6.35	1.00	0.50	0.01	15	5	0.250	0.013	2.0	1.0	0.11
		TOTAL	24.21				0.69								

- For NASHYD commands, N=3

- Pervious Initial Abstraction (Perv. Ia) = $0.1 \times S$, where $S = (25400 / CN) - 254$

- Depression Storage over Impervious areas (DPSI) = 1.0 mm

* Pond Imperviousness = permanent water surface area / block area = 0.66 ha / 1.86 ha = 35.5%. 50% Imperviousness modeled is conservatively high.

Highway 20 & Thorold Townline Road Subdivision Preliminary Stormwater Management Thorold, Ontario

Project Number: 49428-100

Date: 10/24/2024

Designed by: RSM

File: Q:\49428\100\SWM\Preliminary\[49428-100 -Preliminary SWM Analysis.xlsx]Post TP

Time to Peak Calculations

Time to peak (T_p) values were derived from time of concentration (T_c) calculations based on the Bransby - Williams Formula:

$$T_c = \frac{kL}{(S^{0.3}A^{0.1})} \quad \text{(MTO Dainage Manual Design Chart 1.12)}$$

T_c = Overland flow time of concentration (minutes)

L = Flow travel length

S = Basin slope (%)

k = 0.01445

A = Watershed Area (sq km)

From this, $T_p = 0.67 T_c$

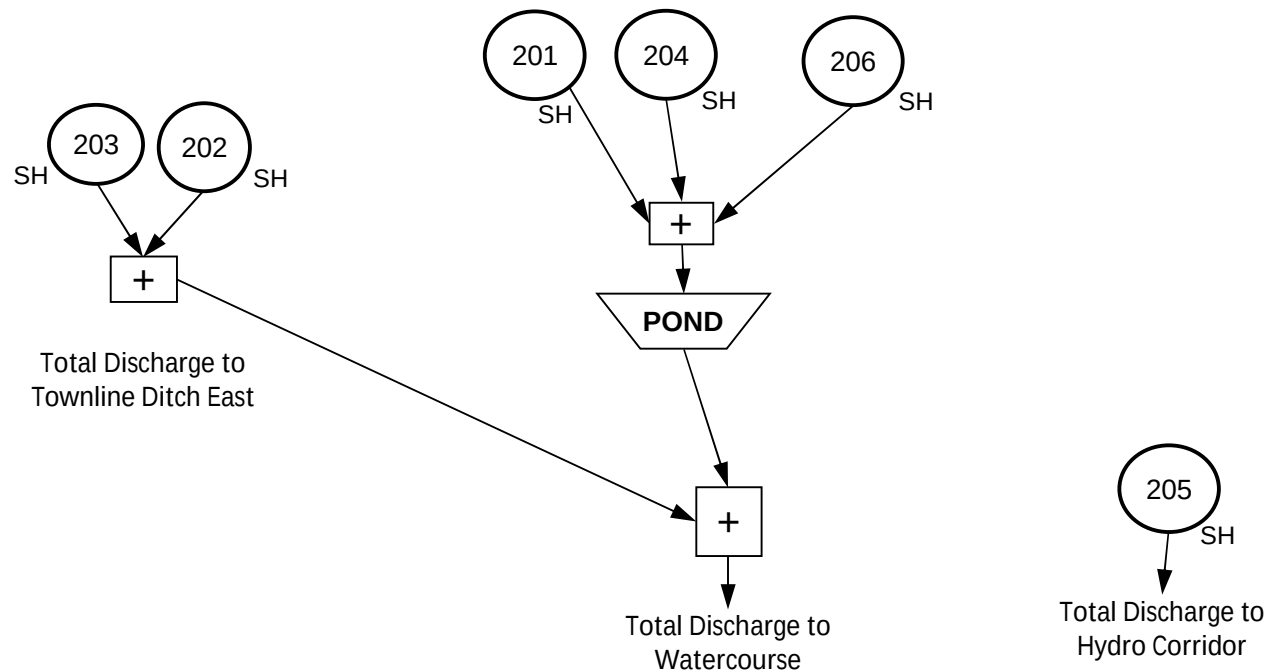
The time to peak values used in the NASHYD command for the existing conditions hydrologic modeling are shown below:

Catchment ID	Area (ha)	Length (m)	'C'	Slope (m/m)	T_c (min)	T_p (min)	T_p (hrs)
201	1.68	65	0.10	0.33	10	6.7	0.11
202	0.13	18	0.60	0.02	10	6.7	0.11
203	0.10	16	0.60	0.02	10	6.7	0.11
204	20.71	228	0.75	0.02	12.45	8.34	0.14
205	0.06	12	0.05	0.02	10	6.7	0.11
206	1.53	62	0.50	0.02	10	6.7	0.11
Total	24.21						

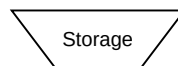
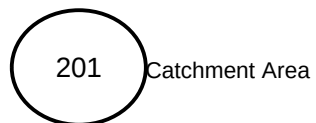
Highway 20 & Thorold Townline Road Subdivision
Preliminary Stormwater Management
Thorold, Ontario



PROPOSED DEVELOPMENT CONDITIONS MODEL SCHEMATIC



LEGEND



Route Reservoir through
Active / Dead Storage



Add Hydrographs

- "NH" denotes NASHYD hydrograph command
- "SH" denotes STANDHYD hydrograph command

=====

V V I SSSS U U A L (v 6.2.2016)
V V I SS U U A A L
V V I SS U U A A L
VV I SSSS UUUU A A LLLL

000 TTTT TTTT H H Y Y M M 000 TM
0 0 T T H H Y Y MM MM 0 0
0 0 T T H H Y Y M M 0 0
000 T T H H Y Y M M 000

Developed and Distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** S U M M A R Y O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\V02\voin.dat

Output filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\898f
241-ce8b-475d-918e-fb45c18be049\scen
Summary filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\898f
241-ce8b-475d-918e-fb45c18be049\scen

DATE: 11/20/2024 TIME: 08:56:02

USER:

COMMENTS: _____

** SIMULATION : 002 2yr 24hr 10min SCS Type I **

W/E COMMAND	HYD ID	DT min	AREA ha	Qpeak cms	Tpeak hrs	R.V. mm	R.C.	Qbase cms
START @ 0.00 hrs								

READ STORM	10.0							
[Ptot= 59.77 mm]								
fname :								
C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\734386be-ee								
54-4dcf-a74f-f4f								
remark: 2yr 24hr 10min SCS Type II (MT0)								

*
** CALIB NASHYD 0205 1 1.0 0.06 0.01 12.20 19.72 0.33 0.000
[CN=80.0]
[N = 3.0:Tp 0.11]
*
READ STORM 10.0
[Ptot= 59.77 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\734386be-ee
54-4dcf-a74f-f4f
remark: 2yr 24hr 10min SCS Type II (MT0)

*
** CALIB NASHYD 0201 1 1.0 1.68 0.14 12.20 19.02 0.32 0.000
[CN=79.0]
[N = 3.0:Tp 0.11]
*
READ STORM 10.0
[Ptot= 59.77 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\734386be-ee
54-4dcf-a74f-f4f
remark: 2yr 24hr 10min SCS Type II (MT0)

*
** CALIB STANDHYD 0204 1 1.0 20.67 3.15 12.17 47.12 0.79 0.000
[I%=37.5:S%= 2.00]
*
READ STORM 10.0
[Ptot= 59.77 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\734386be-ee
54-4dcf-a74f-f4f
remark: 2yr 24hr 10min SCS Type II (MT0)

*
* CALIB STANDHYD 0206 1 1.0 1.53 0.21 12.17 36.91 0.62 0.000
[I%= 1.0:S%= 2.00]
*
ADD [0201+ 0204] 0024 3 1.0 22.35 3.28 12.17 45.35 n/a 0.000
*
ADD [0024+ 0206] 0024 1 1.0 23.88 3.49 12.17 44.81 n/a 0.000
*
** Reservoir
OUTFLOW: 0002 1 1.0 23.88 0.62 12.55 38.87 n/a 0.000
*
READ STORM 10.0
[Ptot= 59.77 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\734386be-ee
54-4dcf-a74f-f4f
remark: 2yr 24hr 10min SCS Type II (MT0)

*
* CALIB STANDHYD 0202 1 1.0 0.13 0.02 12.17 41.93 0.70 0.000
[I%=30.0:S%= 2.00]
*
READ STORM 10.0
[Ptot= 59.77 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\734386be-ee
54-4dcf-a74f-f4f
remark: 2yr 24hr 10min SCS Type II (MT0)

*
* CALIB STANDHYD 0203 1 1.0 0.10 0.01 12.18 41.92 0.70 0.000
[I%=30.0:S%= 2.00]
*
ADD [0202+ 0203] 0015 3 1.0 0.23 0.03 12.17 41.93 n/a 0.000
*
ADD [0015+ 0002] 0028 3 1.0 24.11 0.63 12.53 38.90 n/a 0.000
*

=====

V V I SSSS U U A L (v 6.2.2016)
V V I SS U U A A L
V V I SS U U A A L
V V I SSSS UUUU A A LLLL

000 TTTT TTTT H H Y Y M M 000 TM
0 0 T T H H Y Y MM MM 0 0
0 0 T T H H Y Y M M 0 0
000 T T H H Y Y M M 000

Developed and Distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** S U M M A R Y O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\V02\voindat

Output filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\ce6fc
8df-f4de-4e09-b971-847357f2b394\scen

Summary filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\ce6fc
8df-f4de-4e09-b971-847357f2b394\scen

DATE: 11/20/2024 TIME: 08:56:03

USER:

COMMENTS: _____

** SIMULATION : 002 Year 3 Hour Chicago (St. **

W/E COMMAND	HYD ID	DT min	AREA ha	Qpeak cms	Tpeak hrs	R.V. mm	R.C.	Qbase cms
START @ 0.00 hrs								
READ STORM [Ptot= 32.67 mm] fname :	5.0							
C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\bb9ee761-01 89-4477-88ec-374 remark: 002 Year 3 Hour Chicago (St. Catharines)								

*
** CALIB NASHYD 0205 1 1.0 0.06 0.00 1.60 7.70 0.24 0.000
[CN=80.0]
[N = 3.0:Tp 0.11]
*
READ STORM 5.0
[Ptot= 32.67 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\bb9ee761-01
89-4477-88ec-374

remark: 002 Year 3 Hour Chicago (St. Catharines)

*
** CALIB NASHYD 0201 1 1.0 1.68 0.05 1.60 7.38 0.23 0.000
[CN=79.0]
[N = 3.0:Tp 0.11]
*

READ STORM 5.0
[Ptot= 32.67 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\bb9ee761-01
89-4477-88ec-374

remark: 002 Year 3 Hour Chicago (St. Catharines)

*
** CALIB STANDHYD 0204 1 1.0 20.67 2.27 1.52 22.36 0.68 0.000
[I%=37.5:S%= 2.00]
*

READ STORM 5.0
[Ptot= 32.67 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\bb9ee761-01
89-4477-88ec-374

remark: 002 Year 3 Hour Chicago (St. Catharines)

*
* CALIB STANDHYD 0206 1 1.0 1.53 0.12 1.55 14.77 0.45 0.000
[I%= 1.0:S%= 2.00]
*

ADD [0201+ 0204] 0024 3 1.0 22.35 2.31 1.53 21.23 n/a 0.000

*
ADD [0024+ 0206] 0024 1 1.0 23.88 2.43 1.53 20.82 n/a 0.000

*
** Reservoir
OUTFLOW: 0002 1 1.0 23.88 0.24 2.63 18.86 n/a 0.000

READ STORM 5.0
[Ptot= 32.67 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\bb9ee761-01
89-4477-88ec-374

remark: 002 Year 3 Hour Chicago (St. Catharines)

*
* CALIB STANDHYD 0202 1 1.0 0.13 0.01 1.53 18.89 0.58 0.000
[I%=30.0:S%= 2.00]
*

READ STORM 5.0
[Ptot= 32.67 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\bb9ee761-01
89-4477-88ec-374

remark: 002 Year 3 Hour Chicago (St. Catharines)

*
* CALIB STANDHYD 0203 1 1.0 0.10 0.01 1.53 18.88 0.58 0.000
[I%=30.0:S%= 2.00]
*

ADD [0202+ 0203] 0015 3 1.0 0.23 0.02 1.53 18.88 n/a 0.000

*
ADD [0015+ 0002] 0028 3 1.0 24.11 0.25 2.62 18.86 n/a 0.000

=====

V V I SSSS U U A L (v 6.2.2016)
V V I SS U U A A L
V V I SS U U A A L
V V I SSSS UUUU A A LLLL

000 TTTT TTTT H H Y Y M M 000 TM
0 0 T T H H Y Y MM MM 0 0
0 0 T T H H Y Y M M 0 0
000 T T H H Y M M 000

Developed and Distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** S U M M A R Y O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\V02\voindat

Output filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\fb777
8e2-bf00-423d-8358-701dc8d0136f\scen

Summary filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\fb777
8e2-bf00-423d-8358-701dc8d0136f\scen

DATE: 11/20/2024

TIME: 08:56:03

USER:

COMMENTS: _____

** SIMULATION : 005 Year 3 Hour Chicago (St. Catharines) **

W/E COMMAND	HYD ID	DT min	AREA ha	Qpeak cms	Tpeak hrs	R.V. mm	R.C.	Qbase cms
-------------	--------	--------	---------	-----------	-----------	---------	------	-----------

START @ 0.00 hrs

READ STORM 5.0
[Ptot= 38.54 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\9489dcddc-2a
c9-494a-8111-06f
remark: 005 Year 3 Hour Chicago (St. Catharines)

** CALIB NASHYD	0205	1	1.0	0.06	0.00	1.60	10.82	0.28	0.000
[CN=80.0]									
[N = 3.0:Tp 0.11]									

* READ STORM 5.0
[Ptot= 38.54 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\9489dcddc-2a
c9-494a-8111-06f

remark: 005 Year 3 Hour Chicago (St. Catharines)

* ** CALIB NASHYD 0201 1 1.0 1.68 0.08 1.60 10.39 0.27 0.000
[CN=79.0]
[N = 3.0:Tp 0.11]

* READ STORM 5.0
[Ptot= 38.54 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\9489dcddc-2a
c9-494a-8111-06f

remark: 005 Year 3 Hour Chicago (St. Catharines)

* ** CALIB STANDHYD 0204 1 1.0 20.67 2.92 1.52 27.55 0.71 0.000
[I%=37.5:S%= 2.00]

* READ STORM 5.0
[Ptot= 38.54 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\9489dcddc-2a
c9-494a-8111-06f

remark: 005 Year 3 Hour Chicago (St. Catharines)

* * CALIB STANDHYD 0206 1 1.0 1.53 0.16 1.53 19.23 0.50 0.000
[I%= 1.0:S%= 2.00]

* ADD [0201+ 0204] 0024 3 1.0 22.35 2.98 1.53 26.26 n/a 0.000

* ADD [0024+ 0206] 0024 1 1.0 23.88 3.14 1.53 25.81 n/a 0.000

* ** Reservoir
OUTFLOW: 0002 1 1.0 23.88 0.37 2.38 23.79 n/a 0.000

* READ STORM 5.0
[Ptot= 38.54 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\9489dcddc-2a
c9-494a-8111-06f

remark: 005 Year 3 Hour Chicago (St. Catharines)

* * CALIB STANDHYD 0202 1 1.0 0.13 0.02 1.52 23.62 0.61 0.000
[I%=30.0:S%= 2.00]

* READ STORM 5.0
[Ptot= 38.54 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\97fefd7-2e4e-404b-9710-ff80832135e2\9489dcddc-2a
c9-494a-8111-06f

remark: 005 Year 3 Hour Chicago (St. Catharines)

* * CALIB STANDHYD 0203 1 1.0 0.10 0.01 1.53 23.61 0.61 0.000
[I%=30.0:S%= 2.00]

* ADD [0202+ 0203] 0015 3 1.0 0.23 0.03 1.53 23.62 n/a 0.000

* ADD [0015+ 0002] 0028 3 1.0 24.11 0.37 2.37 23.78 n/a 0.000

FINISH
=====

V V I SSSS U U A L (v 6.2.2016)
V V I SS U U A A L
V V I SS U U A A L
V V I SSSS UUUU A A LLLL
000 TTTT TTTT H H Y Y M M 000 TM
0 0 T T H H Y Y MM MM 0 0
0 0 T T H H Y M M 0 0
000 T H H Y M M 000

Developed and Distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** S U M M A R Y O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\V02\voin.dat
Output filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\de316
eb8-ca48-4896-b298-c5d28b6e1335\scen
Summary filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\de316
eb8-ca48-4896-b298-c5d28b6e1335\scen

DATE: 11/20/2024 TIME: 08:56:02

USER:

COMMENTS: _____

** SIMULATION : 005yr 24hr 10min SCS Type II **

W/E COMMAND HYD ID DT AREA ' Qpeak Tpeak R.V. R.C. Qbase
min ha ' cms hrs mm cms
START @ 0.00 hrs

READ STORM 10.0
[Ptot= 71.04 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\43ec4bfc-c8
97-4621-9d2f-bea
remark: 5yr 24hr 10min SCS Type II (MT0)

* CALIB NASHYD 0205 1 1.0 0.06 0.01 12.20 26.65 0.38 0.000
[CN=80.0]

[N = 3.0:Tp 0.11]
*
READ STORM 10.0
[Ptot= 71.04 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\43ec4bfc-c8
97-4621-9d2f-bea
remark: 5yr 24hr 10min SCS Type II (MT0)

*
** CALIB NASHYD 0201 1 1.0 1.68 0.18 12.20 25.79 0.36 0.000
[CN=79.0]
[N = 3.0:Tp 0.11]

*
READ STORM 10.0
[Ptot= 71.04 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\43ec4bfc-c8
97-4621-9d2f-bea
remark: 5yr 24hr 10min SCS Type II (MT0)

*
** CALIB STANDHYD 0204 1 1.0 20.67 3.95 12.17 57.81 0.81 0.000
[I%=37.5:S%= 2.00]

*
READ STORM 10.0
[Ptot= 71.04 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\43ec4bfc-c8
97-4621-9d2f-bea
remark: 5yr 24hr 10min SCS Type II (MT0)

*
* CALIB STANDHYD 0206 1 1.0 1.53 0.28 12.17 46.90 0.66 0.000
[I%= 1.0:S%= 2.00]

*
ADD [0201+ 0204] 0024 3 1.0 22.35 4.12 12.17 55.84 n/a 0.000

*
ADD [0024+ 0206] 0024 1 1.0 23.88 4.40 12.17 55.27 n/a 0.000

*
** Reservoir
OUTFLOW: 0002 1 1.0 23.88 0.82 12.48 49.15 n/a 0.000

*
READ STORM 10.0
[Ptot= 71.04 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\43ec4bfc-c8
97-4621-9d2f-bea
remark: 5yr 24hr 10min SCS Type II (MT0)

*
* CALIB STANDHYD 0202 1 1.0 0.13 0.02 12.17 52.14 0.73 0.000
[I%=30.0:S%= 2.00]

*
READ STORM 10.0
[Ptot= 71.04 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\43ec4bfc-c8
97-4621-9d2f-bea
remark: 5yr 24hr 10min SCS Type II (MT0)

*
* CALIB STANDHYD 0203 1 1.0 0.10 0.02 12.17 52.13 0.73 0.000
[I%=30.0:S%= 2.00]

* ADD [0202+ 0203] 0015 3 1.0 0.23 0.04 12.17 52.14 n/a 0.000
* ADD [0015+ 0002] 0028 3 1.0 24.11 0.83 12.47 49.18 n/a 0.000

V V I SSSSS U U A L (v 6.2.2016)
V V I SS U U A A L
V V I SS U U A A A L
V V I SS U U A A L
VV I SSSSS UUUUU A A LLLLL

000 TTTT TTTT H H Y Y M M 000 TM
O O T T H H Y Y MM MM O O
O O T T H H Y Y M M O O
000 T H H Y M M 000

Developed and Distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** S U M M A R Y O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\V02\voin.dat

Output filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\9f460
d3d-9edb-4267-9c63-0aa0337523f1\scen
Summary filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\9f460
d3d-9edb-4267-9c63-0aa0337523f1\scen

DATE: 11/20/2024 TIME: 08:56:02

USER:

COMMENTS: _____

** SIMULATION : 010 Year 3 Hour Chicago (St. Catharines) **

W/E COMMAND HYD ID DT AREA ' Qpeak Tpeak R.V. R.C. Qbase
ha ' cms hrs mm cms
START @ 0.00 hrs

READ STORM 5.0
[Ptot= 43.00 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d-2e4e-404b-9710-ff80832135e2\cff3c669-2d
bc-43d5-93c7-087
remark: 010 Year 3 Hour Chicago (St. Catharines)

* CALIB NASHYD 0205 1 1.0 0.06 0.00 1.58 13.40 0.31 0.000
[CN=80.0]

[N = 3.0:Tp 0.11]
* READ STORM 5.0
[Ptot= 43.00 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d-2e4e-404b-9710-ff80832135e2\cff3c669-2d
bc-43d5-93c7-087
remark: 010 Year 3 Hour Chicago (St. Catharines)

* ** CALIB NASHYD 0201 1 1.0 1.68 0.10 1.60 12.89 0.30 0.000
[CN=79.0]
[N = 3.0:Tp 0.11]

* READ STORM 5.0
[Ptot= 43.00 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d-2e4e-404b-9710-ff80832135e2\cff3c669-2d
bc-43d5-93c7-087
remark: 010 Year 3 Hour Chicago (St. Catharines)

* ** CALIB STANDHYD 0204 1 1.0 20.67 3.36 1.52 31.57 0.73 0.000
[I%=37.5:S%= 2.00]

* READ STORM 5.0
[Ptot= 43.00 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d-2e4e-404b-9710-ff80832135e2\cff3c669-2d
bc-43d5-93c7-087
remark: 010 Year 3 Hour Chicago (St. Catharines)

* CALIB STANDHYD 0206 1 1.0 1.53 0.19 1.53 22.77 0.53 0.000
[I%= 1.0:S%= 2.00]

* ADD [0201+ 0204] 0024 3 1.0 22.35 3.44 1.53 30.17 n/a 0.000

* ADD [0024+ 0206] 0024 1 1.0 23.88 3.64 1.53 29.69 n/a 0.000

* ** Reservoir
OUTFLOW: 0002 1 1.0 23.88 0.48 2.27 27.64 n/a 0.000

* READ STORM 5.0
[Ptot= 43.00 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d-2e4e-404b-9710-ff80832135e2\cff3c669-2d
bc-43d5-93c7-087
remark: 010 Year 3 Hour Chicago (St. Catharines)

* CALIB STANDHYD 0202 1 1.0 0.13 0.02 1.52 27.33 0.64 0.000
[I%=30.0:S%= 2.00]

* READ STORM 5.0
[Ptot= 43.00 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d-2e4e-404b-9710-ff80832135e2\cff3c669-2d
bc-43d5-93c7-087
remark: 010 Year 3 Hour Chicago (St. Catharines)

* CALIB STANDHYD 0203 1 1.0 0.10 0.01 1.53 27.32 0.64 0.000
[I%=30.0:S%= 2.00]

* ADD [0202+ 0203] 0015 3 1.0 0.23 0.03 1.53 27.33 n/a 0.000
* ADD [0015+ 0002] 0028 3 1.0 24.11 0.48 2.25 27.63 n/a 0.000

V V I SSSSS U U A L (v 6.2.2016)
V V I SS U U A A L
V V I SS U U A A A L
V V I SS U U A A L
VV I SSSSS UUUUU A A LLLLL

000 TTTT TTTT H H Y Y M M 000 TM
0 0 T T H H Y Y MM MM 0 0
0 0 T T H H Y M M 0 0
000 T H H Y M M 000

Developed and Distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** S U M M A R Y O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\V02\voin.dat
Output filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\df0a7
81d-2564-48ef-8dda-c8c12dc338bf\scen
Summary filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\df0a7
81d-2564-48ef-8dda-c8c12dc338bf\scen

DATE: 11/20/2024 TIME: 08:56:02

USER:

COMMENTS: _____

** SIMULATION : 010yr 24hr 10min SCS Type II **

W/E COMMAND HYD ID DT AREA ' Qpeak Tpeak R.V. R.C. Qbase
min ha ' cms hrs mm cms
START @ 0.00 hrs

READ STORM 10.0
[Ptot= 80.35 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\11c917f6-20
58-44a3-9a08-b7a
remark: 10yr 24hr 10min SCS Type II (MT0)

** CALIB NASHYD 0205 1 1.0 0.06 0.01 12.20 32.74 0.41 0.000
[CN=80.0]

[N = 3.0:Tp 0.11]
* READ STORM 10.0
[Ptot= 80.35 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\11c917f6-20
58-44a3-9a08-b7a
remark: 10yr 24hr 10min SCS Type II (MT0)

* ** CALIB NASHYD 0201 1 1.0 1.68 0.22 12.20 31.75 0.40 0.000
[CN=79.0]
[N = 3.0:Tp 0.11]

* READ STORM 10.0
[Ptot= 80.35 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\11c917f6-20
58-44a3-9a08-b7a
remark: 10yr 24hr 10min SCS Type II (MT0)

* ** CALIB STANDHYD 0204 1 1.0 20.67 4.57 12.17 66.74 0.83 0.000
[I%=37.5:S%= 2.00]

* READ STORM 10.0
[Ptot= 80.35 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\11c917f6-20
58-44a3-9a08-b7a
remark: 10yr 24hr 10min SCS Type II (MT0)

* * CALIB STANDHYD 0206 1 1.0 1.53 0.33 12.17 55.36 0.69 0.000
[I%= 1.0:S%= 2.00]

* ADD [0201+ 0204] 0024 3 1.0 22.35 4.79 12.17 64.63 n/a 0.000

* ADD [0024+ 0206] 0024 1 1.0 23.88 5.11 12.17 64.04 n/a 0.000

* ** Reservoir 0002 1 1.0 23.88 0.96 12.47 57.78 n/a 0.000
OUTFLOW:

* READ STORM 10.0
[Ptot= 80.35 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\11c917f6-20
58-44a3-9a08-b7a
remark: 10yr 24hr 10min SCS Type II (MT0)

* * CALIB STANDHYD 0202 1 1.0 0.13 0.03 12.17 60.73 0.76 0.000
[I%=30.0:S%= 2.00]

* READ STORM 10.0
[Ptot= 80.35 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\11c917f6-20
58-44a3-9a08-b7a
remark: 10yr 24hr 10min SCS Type II (MT0)

* * CALIB STANDHYD 0203 1 1.0 0.10 0.02 12.17 60.72 0.76 0.000
[I%=30.0:S%= 2.00]

* ADD [0202+ 0203] 0015 3 1.0 0.23 0.05 12.17 60.73 n/a 0.000
* ADD [0015+ 0002] 0028 3 1.0 24.11 0.96 12.45 57.81 n/a 0.000

V V I SSSS U U A L (v 6.2.2016)
V V I SS U U A A L
V V I SS U U A A A L
V V I SS U U A A L
VV I SSSS UUUU A A LLLLL

000 TTTT TTTT H H Y Y M M 000 TM
O O T T H H Y Y MM MM O O
O O T T H H Y M M O O
000 T H H Y M M 000

Developed and Distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** S U M M A R Y O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\V02\voin.dat

Output filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\3b612
18e-d41e-4ec0-8106-929c2f1fa14f\scen
Summary filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\3b612
18e-d41e-4ec0-8106-929c2f1fa14f\scen

DATE: 11/20/2024 TIME: 08:56:02

USER:

COMMENTS: _____

** SIMULATION : 025 Year 3 Hour Chicago (St. **

W/E COMMAND HYD ID DT AREA ' Qpeak Tpeak R.V. R.C. Qbase
min ha ' cms hrs mm cms
START @ 0.00 hrs

READ STORM 5.0
[Ptot= 49.62 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\750c230f-0a
88-4174-a653-16a
remark: 025 Year 3 Hour Chicago (St. Catharines)

* CALIB NASHYD 0205 1 1.0 0.06 0.00 1.58 17.53 0.35 0.000
[CN=80.0]

[N = 3.0:Tp 0.11]
* READ STORM 5.0
[Ptot= 49.62 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\750c230f-0a
88-4174-a653-16a
remark: 025 Year 3 Hour Chicago (St. Catharines)

* ** CALIB NASHYD 0201 1 1.0 1.68 0.13 1.58 16.90 0.34 0.000
[CN=79.0]
[N = 3.0:Tp 0.11]

* READ STORM 5.0
[Ptot= 49.62 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\750c230f-0a
88-4174-a653-16a
remark: 025 Year 3 Hour Chicago (St. Catharines)

* ** CALIB STANDHYD 0204 1 1.0 20.67 4.15 1.52 37.64 0.76 0.000
[I%=37.5:S%= 2.00]

* READ STORM 5.0
[Ptot= 49.62 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\750c230f-0a
88-4174-a653-16a
remark: 025 Year 3 Hour Chicago (St. Catharines)

* CALIB STANDHYD 0206 1 1.0 1.53 0.25 1.53 28.22 0.57 0.000
[I%= 1.0:S%= 2.00]

* ADD [0201+ 0204] 0024 3 1.0 22.35 4.26 1.52 36.08 n/a 0.000

* ADD [0024+ 0206] 0024 1 1.0 23.88 4.50 1.52 35.58 n/a 0.000

* ** Reservoir
OUTFLOW: 0002 1 1.0 23.88 0.64 2.15 33.48 n/a 0.000

* READ STORM 5.0
[Ptot= 49.62 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\750c230f-0a
88-4174-a653-16a
remark: 025 Year 3 Hour Chicago (St. Catharines)

* CALIB STANDHYD 0202 1 1.0 0.13 0.02 1.52 33.00 0.67 0.000
[I%=30.0:S%= 2.00]

* READ STORM 5.0
[Ptot= 49.62 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\750c230f-0a
88-4174-a653-16a
remark: 025 Year 3 Hour Chicago (St. Catharines)

* CALIB STANDHYD 0203 1 1.0 0.10 0.02 1.53 32.99 0.66 0.000
[I%=30.0:S%= 2.00]

* ADD [0202+ 0203] 0015 3 1.0 0.23 0.04 1.52 32.99 n/a 0.000
* ADD [0015+ 0002] 0028 3 1.0 24.11 0.65 2.13 33.48 n/a 0.000

V V I SSSSS U U A L (v 6.2.2016)
V V I SS U U A A L
V V I SS U U A A A L
V V I SS U U A A L
VV I SSSSS UUUUU A A LLLLL

000 TTTT TTTT H H Y Y M M 000 TM
O O T T H H Y Y MM MM O O
O O T T H H Y Y M M O O
000 T H H Y M M 000

Developed and Distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** S U M M A R Y O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\V02\voin.dat

Output filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\cbb8d
6cb-eae7-4823-9928-36f02222fc68\scen
Summary filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\cbb8d
6cb-eae7-4823-9928-36f02222fc68\scen

DATE: 11/20/2024 TIME: 08:56:01

USER:

COMMENTS: _____

** SIMULATION : 025yr 24hr 10min SCS Type II **

W/E COMMAND HYD ID DT AREA ' Qpeak Tpeak R.V. R.C. Qbase
min ha ' cms hrs mm cms
START @ 0.00 hrs

READ STORM 10.0
[Ptot= 93.82 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\3008c5fd-df
d3-474e-86d7-d60
remark: 25yr 24hr 10min SCS Type II (MT0)

** CALIB NASHYD 0205 1 1.0 0.06 0.01 12.20 42.00 0.45 0.000
[CN=80.0]

[N = 3.0:Tp 0.11]
* READ STORM 10.0
[Ptot= 93.82 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\3008c5fd-df
d3-474e-86d7-d60
remark: 25yr 24hr 10min SCS Type II (MT0)

* ** CALIB NASHYD 0201 1 1.0 1.68 0.29 12.20 40.83 0.44 0.000
[CN=79.0]
[N = 3.0:Tp 0.11]

* READ STORM 10.0
[Ptot= 93.82 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\3008c5fd-df
d3-474e-86d7-d60
remark: 25yr 24hr 10min SCS Type II (MT0)

* ** CALIB STANDHYD 0204 1 1.0 20.67 5.56 12.17 79.76 0.85 0.000
[I%=37.5:S%= 2.00]

* READ STORM 10.0
[Ptot= 93.82 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\3008c5fd-df
d3-474e-86d7-d60
remark: 25yr 24hr 10min SCS Type II (MT0)

* * CALIB STANDHYD 0206 1 1.0 1.53 0.40 12.17 67.81 0.72 0.000
[I%= 1.0:S%= 2.00]

* ADD [0201+ 0204] 0024 3 1.0 22.35 5.83 12.17 77.48 n/a 0.000

* ADD [0024+ 0206] 0024 1 1.0 23.88 6.23 12.17 76.86 n/a 0.000

* ** Reservoir
OUTFLOW: 0002 1 1.0 23.88 1.12 12.45 70.45 n/a 0.000

* READ STORM 10.0
[Ptot= 93.82 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\3008c5fd-df
d3-474e-86d7-d60
remark: 25yr 24hr 10min SCS Type II (MT0)

* * CALIB STANDHYD 0202 1 1.0 0.13 0.03 12.17 73.34 0.78 0.000
[I%=30.0:S%= 2.00]

* READ STORM 10.0
[Ptot= 93.82 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\3008c5fd-df
d3-474e-86d7-d60
remark: 25yr 24hr 10min SCS Type II (MT0)

* * CALIB STANDHYD 0203 1 1.0 0.10 0.03 12.17 73.34 0.78 0.000
[I%=30.0:S%= 2.00]

* ADD [0202+ 0203] 0015 3 1.0 0.23 0.06 12.17 73.34 n/a 0.000
* ADD [0015+ 0002] 0028 3 1.0 24.11 1.13 12.43 70.47 n/a 0.000

V V I SSSSS U U A L (v 6.2.2016)
V V I SS U U A A L
V V I SS U U A A A L
V V I SS U U A A L
VV I SSSSS UUUUU A A LLLLL

000 TTTT TTTT H H Y Y M M 000 TM
0 0 T T H H Y Y MM MM 0 0
0 0 T T H H Y M M 0 0
000 T H H Y M M 000

Developed and Distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** S U M M A R Y O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\V02\voin.dat
Output filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\6abc9
850-3cd9-44df-806f-8e14b65ef538\scen
Summary filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\6abc9
850-3cd9-44df-806f-8e14b65ef538\scen

DATE: 11/20/2024 TIME: 08:56:02

USER:

COMMENTS: _____

** SIMULATION : 050 Year 3 Hour Chicago (St. **

W/E COMMAND HYD ID DT AREA ' Qpeak Tpeak R.V. R.C. Qbase
min ha ' cms hrs mm cms
START @ 0.00 hrs

READ STORM 5.0
[Ptot= 54.62 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\97fef7d7-2e4e-404b-9710-ff80832135e2\1fb8b114-49
c6-42dc-abda-ddb
remark: 050 Year 3 Hour Chicago (St. Catharines)

** CALIB NASHYD 0205 1 1.0 0.06 0.01 1.58 20.84 0.38 0.000
[CN=80.0]

[N = 3.0:Tp 0.11]
* READ STORM 5.0
[Ptot= 54.62 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\97fef7d7-2e4e-404b-9710-ff80832135e2\1fb8b114-49
c6-42dc-abda-ddb
remark: 050 Year 3 Hour Chicago (St. Catharines)

* ** CALIB NASHYD 0201 1 1.0 1.68 0.16 1.58 20.12 0.37 0.000
[CN=79.0]
[N = 3.0:Tp 0.11]

* READ STORM 5.0
[Ptot= 54.62 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\97fef7d7-2e4e-404b-9710-ff80832135e2\1fb8b114-49
c6-42dc-abda-ddb
remark: 050 Year 3 Hour Chicago (St. Catharines)

* ** CALIB STANDHYD 0204 1 1.0 20.67 4.70 1.52 42.28 0.77 0.000
[I%=37.5:S%= 2.00]

* READ STORM 5.0
[Ptot= 54.62 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\97fef7d7-2e4e-404b-9710-ff80832135e2\1fb8b114-49
c6-42dc-abda-ddb
remark: 050 Year 3 Hour Chicago (St. Catharines)

* * CALIB STANDHYD 0206 1 1.0 1.53 0.29 1.52 32.45 0.59 0.000
[I%= 1.0:S%= 2.00]

* ADD [0201+ 0204] 0024 3 1.0 22.35 4.83 1.52 40.62 n/a 0.000

* ADD [0024+ 0206] 0024 1 1.0 23.88 5.12 1.52 40.09 n/a 0.000

* ** Reservoir
OUTFLOW: 0002 1 1.0 23.88 0.75 2.12 37.97 n/a 0.000

* READ STORM 5.0
[Ptot= 54.62 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\97fef7d7-2e4e-404b-9710-ff80832135e2\1fb8b114-49
c6-42dc-abda-ddb
remark: 050 Year 3 Hour Chicago (St. Catharines)

* * CALIB STANDHYD 0202 1 1.0 0.13 0.03 1.52 37.37 0.68 0.000
[I%=30.0:S%= 2.00]

* READ STORM 5.0
[Ptot= 54.62 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\97fef7d7-2e4e-404b-9710-ff80832135e2\1fb8b114-49
c6-42dc-abda-ddb
remark: 050 Year 3 Hour Chicago (St. Catharines)

* * CALIB STANDHYD 0203 1 1.0 0.10 0.02 1.53 37.35 0.68 0.000
[I%=30.0:S%= 2.00]

* ADD [0202+ 0203] 0015 3 1.0 0.23 0.05 1.52 37.36 n/a 0.000
* ADD [0015+ 0002] 0028 3 1.0 24.11 0.76 2.12 37.96 n/a 0.000

V V I SSSSS U U A L (v 6.2.2016)
V V I SS U U A A L
V V I SS U U A A A L
V V I SS U U A A L
VV I SSSSS UUUUU A A LLLLL

000 TTTT TTTT H H Y Y M M 000 TM
O O T T H H Y Y MM MM O O
O O T T H H Y M M O O
000 T H H Y M M 000

Developed and Distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** S U M M A R Y O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\V02\voin.dat
Output filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\5719
086-9bdc-4bfc-829b-e369f124e077\scen
Summary filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\5719
086-9bdc-4bfc-829b-e369f124e077\scen

DATE: 11/20/2024 TIME: 08:56:02

USER:

COMMENTS: _____

** SIMULATION : 050yr 24hr 10min SCS Type II **

W/E COMMAND HYD ID DT AREA ' Qpeak Tpeak R.V. R.C. Qbase
min ha ' cms hrs mm cms
START @ 0.00 hrs

READ STORM 10.0
[Ptot=103.60 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\97fef7d7-2e4e-404b-9710-ff80832135e2\29425357-5c
94-4d09-b320-15f
remark: 50yr 24hr 10min SCS Type II (MT0)

* CALIB NASHYD 0205 1 1.0 0.06 0.01 12.20 48.99 0.47 0.000
[CN=80.0]

[N = 3.0:Tp 0.11]
* READ STORM 10.0
[Ptot=103.60 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\97fef7d7-2e4e-404b-9710-ff80832135e2\29425357-5c
94-4d09-b320-15f
remark: 50yr 24hr 10min SCS Type II (MT0)

* ** CALIB NASHYD 0201 1 1.0 1.68 0.33 12.20 47.70 0.46 0.000
[CN=79.0]
[N = 3.0:Tp 0.11]

* READ STORM 10.0
[Ptot=103.60 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\97fef7d7-2e4e-404b-9710-ff80832135e2\29425357-5c
94-4d09-b320-15f
remark: 50yr 24hr 10min SCS Type II (MT0)

* ** CALIB STANDHYD 0204 1 1.0 20.67 6.24 12.17 89.28 0.86 0.000
[I%=37.5:S%= 2.00]

* READ STORM 10.0
[Ptot=103.60 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\97fef7d7-2e4e-404b-9710-ff80832135e2\29425357-5c
94-4d09-b320-15f
remark: 50yr 24hr 10min SCS Type II (MT0)

* * CALIB STANDHYD 0206 1 1.0 1.53 0.45 12.17 76.99 0.74 0.000
[I%= 1.0:S%= 2.00]

* ADD [0201+ 0204] 0024 3 1.0 22.35 6.56 12.17 86.88 n/a 0.000

* ADD [0024+ 0206] 0024 1 1.0 23.88 7.01 12.17 86.25 n/a 0.000

* ** Reservoir
OUTFLOW: 0002 1 1.0 23.88 1.22 12.47 79.74 n/a 0.000

* READ STORM 10.0
[Ptot=103.60 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\97fef7d7-2e4e-404b-9710-ff80832135e2\29425357-5c
94-4d09-b320-15f
remark: 50yr 24hr 10min SCS Type II (MT0)

* * CALIB STANDHYD 0202 1 1.0 0.13 0.04 12.17 82.61 0.80 0.000
[I%=30.0:S%= 2.00]

* READ STORM 10.0
[Ptot=103.60 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\97fef7d7-2e4e-404b-9710-ff80832135e2\29425357-5c
94-4d09-b320-15f
remark: 50yr 24hr 10min SCS Type II (MT0)

* * CALIB STANDHYD 0203 1 1.0 0.10 0.03 12.17 82.60 0.80 0.000
[I%=30.0:S%= 2.00]

* ADD [0202+ 0203] 0015 3 1.0 0.23 0.07 12.17 82.60 n/a 0.000
* ADD [0015+ 0002] 0028 3 1.0 24.11 1.23 12.43 79.76 n/a 0.000

V V I SSSSS U U A L (v 6.2.2016)
V V I SS U U A A L
V V I SS U U A A A L
V V I SS U U A A L
VV I SSSSS UUUUU A A LLLLL

000 TTTT TTTT H H Y Y M M 000 TM
0 0 T T H H Y Y MM MM 0 0
0 0 T T H H Y M M 0 0
000 T H H Y M M 000

Developed and Distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** S U M M A R Y O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\V02\voin.dat
Output filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\1f1b2
1bb-3dae-4b8f-90f8-b058f6e7cb44\scen
Summary filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\1f1b2
1bb-3dae-4b8f-90f8-b058f6e7cb44\scen

DATE: 11/20/2024 TIME: 08:56:03

USER:

COMMENTS: _____

** SIMULATION : 100 Year 3 Hour Chicago (St. **

W/E COMMAND HYD ID DT AREA ' Qpeak Tpeak R.V. R.C. Qbase
min ha ' cms hrs mm cms
START @ 0.00 hrs

READ STORM 5.0
[Ptot= 60.05 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\9c3bf6c3-76
bb-4301-8714-4a8
remark: 100 Year 3 Hour Chicago (St. Catharines)

** CALIB NASHYD 0205 1 1.0 0.06 0.01 1.58 24.60 0.41 0.000
[CN=80.0]

[N = 3.0:Tp 0.11]
* READ STORM 5.0
[Ptot= 60.05 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\9c3bf6c3-76
bb-4301-8714-4a8
remark: 100 Year 3 Hour Chicago (St. Catharines)

* ** CALIB NASHYD 0201 1 1.0 1.68 0.19 1.58 23.79 0.40 0.000
[CN=79.0]
[N = 3.0:Tp 0.11]

* READ STORM 5.0
[Ptot= 60.05 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\9c3bf6c3-76
bb-4301-8714-4a8
remark: 100 Year 3 Hour Chicago (St. Catharines)

* ** CALIB STANDHYD 0204 1 1.0 20.67 5.28 1.52 47.39 0.79 0.000
[I%=37.5:S%= 2.00]

* READ STORM 5.0
[Ptot= 60.05 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\9c3bf6c3-76
bb-4301-8714-4a8
remark: 100 Year 3 Hour Chicago (St. Catharines)

* * CALIB STANDHYD 0206 1 1.0 1.53 0.34 1.52 37.16 0.62 0.000
[I%= 1.0:S%= 2.00]

* ADD [0201+ 0204] 0024 3 1.0 22.35 5.44 1.52 45.61 n/a 0.000

* ADD [0024+ 0206] 0024 1 1.0 23.88 5.78 1.52 45.07 n/a 0.000

* ** Reservoir
OUTFLOW: 0002 1 1.0 23.88 0.86 2.10 42.91 n/a 0.000

* READ STORM 5.0
[Ptot= 60.05 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\9c3bf6c3-76
bb-4301-8714-4a8
remark: 100 Year 3 Hour Chicago (St. Catharines)

* * CALIB STANDHYD 0202 1 1.0 0.13 0.03 1.52 42.20 0.70 0.000
[I%=30.0:S%= 2.00]

* READ STORM 5.0
[Ptot= 60.05 mm]
fname :
C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\9c3bf6c3-76
bb-4301-8714-4a8
remark: 100 Year 3 Hour Chicago (St. Catharines)

* * CALIB STANDHYD 0203 1 1.0 0.10 0.02 1.53 42.18 0.70 0.000
[I%=30.0:S%= 2.00]

* ADD [0202+ 0203] 0015 3 1.0 0.23 0.05 1.52 42.19 n/a 0.000
* ADD [0015+ 0002] 0028 3 1.0 24.11 0.87 2.07 42.91 n/a 0.000

V V I SSSS U U A L (v 6.2.2016)
V V I SS U U A A L
V V I SS U U A A A L
V V I SS U U A A L
VV I SSSS UUUU A A LLLLL

000 TTTT TTTT H H Y Y M M 000 TM
O O T T H H Y Y MM MM O O
O O T T H H Y M M O O
000 T H H Y M M 000

Developed and Distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** S U M M A R Y O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\V02\voin.dat

Output filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\37f91
031-ff3a-462b-a02f-be12520f97f2\scen
Summary filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\37f91
031-ff3a-462b-a02f-be12520f97f2\scen

DATE: 11/20/2024 TIME: 08:56:01

USER:

COMMENTS: _____

** SIMULATION : 100yr 24hr 10min SCS Type II **

W/E COMMAND	HYD ID	DT min	AREA ha	' '	Qpeak cms	Tpeak hrs	R.V. mm	R.C.	Qbase cms
-------------	--------	-----------	------------	--------	--------------	--------------	------------	------	--------------

START @ 0.00 hrs

READ STORM 10.0
[Ptot=114.47 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\d85b05b4-c9
de-4754-a028-fae
remark: 100yr 24hr 10min SCS Type II (MT0)

* CALIB NASHYD 0205 1 1.0 0.06 0.01 12.20 56.97 0.50 0.000
[CN=80.0]

[N = 3.0:Tp 0.11]

* READ STORM 10.0
[Ptot=114.47 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\d85b05b4-c9
de-4754-a028-fae
remark: 100yr 24hr 10min SCS Type II (MT0)

* ** CALIB NASHYD 0201 1 1.0 1.68 0.38 12.20 55.56 0.49 0.000
[CN=79.0]
[N = 3.0:Tp 0.11]

* READ STORM 10.0
[Ptot=114.47 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\d85b05b4-c9
de-4754-a028-fae
remark: 100yr 24hr 10min SCS Type II (MT0)

* ** CALIB STANDHYD 0204 1 1.0 20.67 6.99 12.17 99.90 0.87 0.000
[I%=37.5:S%= 2.00]

* READ STORM 10.0
[Ptot=114.47 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\d85b05b4-c9
de-4754-a028-fae
remark: 100yr 24hr 10min SCS Type II (MT0)

* * CALIB STANDHYD 0206 1 1.0 1.53 0.51 12.17 87.28 0.76 0.000
[I%= 1.0:S%= 2.00]

* ADD [0201+ 0204] 0024 3 1.0 22.35 7.36 12.17 97.39 n/a 0.000

* ADD [0024+ 0206] 0024 1 1.0 23.88 7.87 12.17 96.74 n/a 0.000

* ** Reservoir 0002 1 1.0 23.88 1.32 12.47 90.14 n/a 0.000
OUTFLOW:

* READ STORM 10.0
[Ptot=114.47 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\d85b05b4-c9
de-4754-a028-fae
remark: 100yr 24hr 10min SCS Type II (MT0)

* * CALIB STANDHYD 0202 1 1.0 0.13 0.04 12.17 92.98 0.81 0.000
[I%=30.0:S%= 2.00]

* READ STORM 10.0
[Ptot=114.47 mm]
fname :

C:\Users\rmelick\AppData\Local\Temp\e97fef7d7-2e4e-404b-9710-ff80832135e2\d85b05b4-c9
de-4754-a028-fae
remark: 100yr 24hr 10min SCS Type II (MT0)

* * CALIB STANDHYD 0203 1 1.0 0.10 0.03 12.17 92.98 0.81 0.000
[I%=30.0:S%= 2.00]

```

*   ADD [ 0202+ 0203] 0015 3 1.0 0.23 0.08 12.17 92.98 n/a 0.000
*   ADD [ 0015+ 0002] 0028 3 1.0 24.11 1.33 12.43 90.17 n/a 0.000
=====
=====

```

```

      V  V  I  SSSSS U  U  A  L          (v 6.2.2016)
      V  V  I  SS   U  U  A  A  L
      V  V  I  SS   U  U  AAAAA L
      V  V  I  SS   U  U  A  A  L
      VV   I  SSSSS UUUUU A  A  LLLLL
      000  TTTT  TTTT  H  H  Y  Y  M  M  000  TM
      0 0  T  T  H  H  Y  Y  MM MM 0 0
      0 0  T  T  H  H  Y  Y  M  M  0 0
      000  T  T  H  H  Y  Y  M  M  000

```

Developed and Distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** S U M M A R Y O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\V02\voin.dat
Output filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\922df
a57-2916-4210-92de-e94b9ff9eff2\scen
Summary filename:
C:\Users\rmelick\AppData\Local\Civica\XH5\35c3f4b5-da77-4180-893e-ce77d50d004a\922df
a57-2916-4210-92de-e94b9ff9eff2\scen

DATE: 11/20/2024 TIME: 08:56:02

USER:

COMMENTS: _____

```

*****
** SIMULATION : 25mm 4 hour Chicago **
*****

```

W/E COMMAND	HYD ID	DT min	AREA ha	Qpeak cms	Tpeak hrs	R.V. mm	R.C.	Qbase cms
START @ 0.00 hrs								
CHIC STORM [Ptot= 25.01 mm]		5.0						
** CALIB NASHYD [CN=80.0 [N = 3.0:Tp 0.11]	0205	1 1.0	0.06	0.00	1.82	4.23	0.17	0.000
CHIC STORM [Ptot= 25.01 mm]		5.0						

** CALIB NASHYD [CN=79.0 [N = 3.0:Tp 0.11]	0201	1 1.0	1.68	0.02	1.82	4.04	0.16	0.000
CHIC STORM [Ptot= 25.01 mm]		5.0						
** CALIB STANDHYD [I%=37.5:S%= 2.00]	0204	1 1.0	20.67	1.69	1.70	15.84	0.63	0.000
CHIC STORM [Ptot= 25.01 mm]		5.0						
CALIB STANDHYD [I%= 1.0:S%= 2.00]	0206	1 1.0	1.53	0.06	1.77	9.41	0.38	0.000
ADD [0201+ 0204]	0024	3 1.0	22.35	1.70	1.70	14.95	n/a	0.000
ADD [0024+ 0206]	0024	1 1.0	23.88	1.75	1.70	14.59	n/a	0.000
** Reservoir OUTFLOW:	0002	1 1.0	23.88	0.09	3.90	12.75	n/a	0.000
CHIC STORM [Ptot= 25.01 mm]		5.0						
CALIB STANDHYD [I%=30.0:S%= 2.00]	0202	1 1.0	0.13	0.01	1.70	13.05	0.52	0.000
CHIC STORM [Ptot= 25.01 mm]		5.0						
CALIB STANDHYD [I%=30.0:S%= 2.00]	0203	1 1.0	0.10	0.01	1.72	13.04	0.52	0.000
ADD [0202+ 0203]	0015	3 1.0	0.23	0.02	1.70	13.05	n/a	0.000
ADD [0015+ 0002]	0028	3 1.0	24.11	0.09	3.87	12.75	n/a	0.000

0.317	0.66	6.367	1.08	12.417	6.61	18.47	1.08	19.53	1.08
0.333	0.66	6.363	1.08	12.423	6.61	18.48	1.08	19.53	1.08
0.350	0.66	6.359	1.08	12.429	6.61	18.49	1.08	19.53	1.08
0.367	0.66	6.355	1.08	12.435	6.61	18.50	1.08	19.53	1.08
0.383	0.66	6.351	1.08	12.441	6.61	18.51	1.08	19.53	1.08
0.400	0.66	6.347	1.08	12.447	6.61	18.52	1.08	19.53	1.08
0.417	0.66	6.343	1.08	12.453	6.61	18.53	1.08	19.53	1.08
0.433	0.66	6.339	1.08	12.459	6.61	18.54	1.08	19.53	1.08
0.450	0.66	6.335	1.08	12.465	6.61	18.55	1.08	19.53	1.08
0.467	0.66	6.331	1.08	12.471	6.61	18.56	1.08	19.53	1.08
0.483	0.66	6.327	1.08	12.477	6.61	18.57	1.08	19.53	1.08
0.500	0.66	6.323	1.08	12.483	6.61	18.58	1.08	19.53	1.08
0.517	0.66	6.319	1.08	12.489	6.61	18.59	1.08	19.53	1.08
0.533	0.66	6.315	1.08	12.495	6.61	18.60	1.08	19.53	1.08
0.550	0.66	6.311	1.08	12.501	6.61	18.61	1.08	19.53	1.08
0.567	0.66	6.307	1.08	12.507	6.61	18.62	1.08	19.53	1.08
0.583	0.66	6.303	1.08	12.513	6.61	18.63	1.08	19.53	1.08
0.600	0.66	6.299	1.08	12.519	6.61	18.64	1.08	19.53	1.08
0.617	0.66	6.295	1.08	12.525	6.61	18.65	1.08	19.53	1.08
0.633	0.66	6.291	1.08	12.531	6.61	18.66	1.08	19.53	1.08
0.650	0.66	6.287	1.08	12.537	6.61	18.67	1.08	19.53	1.08
0.667	0.66	6.283	1.08	12.543	6.61	18.68	1.08	19.53	1.08
0.683	0.66	6.279	1.08	12.549	6.61	18.69	1.08	19.53	1.08
0.700	0.66	6.275	1.08	12.555	6.61	18.70	1.08	19.53	1.08
0.717	0.66	6.271	1.08	12.561	6.61	18.71	1.08	19.53	1.08
0.733	0.66	6.267	1.08	12.567	6.61	18.72	1.08	19.53	1.08
0.750	0.66	6.263	1.08	12.573	6.61	18.73	1.08	19.53	1.08
0.767	0.66	6.259	1.08	12.579	6.61	18.74	1.08	19.53	1.08
0.783	0.66	6.255	1.08	12.585	6.61	18.75	1.08	19.53	1.08
0.800	0.66	6.251	1.08	12.591	6.61	18.76	1.08	19.53	1.08
0.817	0.66	6.247	1.08	12.597	6.61	18.77	1.08	19.53	1.08
0.833	0.66	6.243	1.08	12.603	6.61	18.78	1.08	19.53	1.08
0.850	0.66	6.239	1.08	12.609	6.61	18.79	1.08	19.53	1.08
0.867	0.66	6.235	1.08	12.615	6.61	18.80	1.08	19.53	1.08
0.883	0.66	6.231	1.08	12.621	6.61	18.81	1.08	19.53	1.08
0.900	0.66	6.227	1.08	12.627	6.61	18.82	1.08	19.53	1.08
0.917	0.66	6.223	1.08	12.633	6.61	18.83	1.08	19.53	1.08
0.933	0.66	6.219	1.08	12.639	6.61	18.84	1.08	19.53	1.08
0.950	0.66	6.215	1.08	12.645	6.61	18.85	1.08	19.53	1.08
0.967	0.66	6.211	1.08	12.651	6.61	18.86	1.08	19.53	1.08
0.983	0.66	6.207	1.08	12.657	6.61	18.87	1.08	19.53	1.08
1.000	0.66	6.203	1.08	12.663	6.61	18.88	1.08	19.53	1.08
1.017	0.66	6.199	1.08	12.669	6.61	18.89	1.08	19.53	1.08
1.033	0.66	6.195	1.08	12.675	6.61	18.90	1.08	19.53	1.08
1.050	0.66	6.191	1.08	12.681	6.61	18.91	1.08	19.53	1.08
1.067	0.66	6.187	1.08	12.687	6.61	18.92	1.08	19.53	1.08
1.083	0.66	6.183	1.08	12.693	6.61	18.93	1.08	19.53	1.08
1.100	0.66	6.179	1.08	12.699	6.61	18.94	1.08	19.53	1.08
1.117	0.66	6.175	1.08	12.705	6.61	18.95	1.08	19.53	1.08
1.133	0.66	6.171	1.08	12.711	6.61	18.96	1.08	19.53	1.08
1.150	0.66	6.167	1.08	12.717	6.61	18.97	1.08	19.53	1.08
1.167	0.66	6.163	1.08	12.723	6.61	18.98	1.08	19.53	1.08
1.183	0.66	6.159	1.08	12.729	6.61	18.99	1.08	19.53	1.08
1.200	0.66	6.155	1.08	12.735	6.61	19.00	1.08	19.53	1.08
1.217	0.66	6.151	1.08	12.741	6.61	19.01	1.08	19.53	1.08
1.233	0.66	6.147	1.08	12.747	6.61	19.02	1.08	19.53	1.08
1.250	0.66	6.143	1.08	12.753	6.61	19.03	1.08	19.53	1.08
1.267	0.66	6.139	1.08	12.759	6.61	19.04	1.08	19.53	1.08
1.283	0.66	6.135	1.08	12.765	6.61	19.05	1.08	19.53	1.08
1.300	0.66	6.131	1.08	12.771	6.61	19.06	1.08	19.53	1.08
1.317	0.66	6.127	1.08	12.777	6.61	19.07	1.08	19.53	1.08
1.333	0.66	6.123	1.08	12.783	6.61	19.08	1.08	19.53	1.08
1.350	0.66	6.119	1.08	12.789	6.61	19.09	1.08	19.53	1.08
1.367	0.66	6.115	1.08	12.795	6.61	19.10	1.08	19.53	1.08
1.383	0.66	6.111	1.08	12.801	6.61	19.11	1.08	19.53	1.08
1.400	0.66	6.107	1.08	12.807	6.61	19.12	1.08	19.53	1.08
1.417	0.66	6.103	1.08	12.813	6.61	19.13	1.08	19.53	1.08
1.433	0.66	6.099	1.08	12.819	6.61	19.14	1.08	19.53	1.08
1.450	0.66	6.095	1.08	12.825	6.61	19.15	1.08	19.53	1.08
1.467	0.66	6.091	1.08	12.831	6.61	19.16	1.08	19.53	1.08
1.483	0.66	6.087	1.08	12.837	6.61	19.17	1.08	19.53	1.08
1.500	0.66	6.083	1.08	12.843	6.61	19.18	1.08	19.53	1.08
1.517	0.66	6.079	1.08	12.849	6.61	19.19	1.08	19.53	1.08
1.533	0.66	6.075	1.08	12.855	6.61	19.20	1.08	19.53	1.08
1.550	0.66	6.071	1.08	12.861	6.61	19.21	1.08	19.53	1.08
1.567	0.66	6.067	1.08	12.867	6.61	19.22	1.08	19.53	1.08
1.583	0.66	6.063	1.08	12.873	6.61	19.23	1.08	19.53	1.08
1.600	0.66	6.059	1.08	12.879	6.61	19.24	1.08	19.53	1.08
1.617	0.66	6.055	1.08	12.885	6.61	19.25	1.08	19.53	1.08
1.633	0.66	6.051	1.08	12.891	6.61	19.26	1.08	19.53	1.08
1.650	0.66	6.047	1.08	12.897	6.61	19.27	1.08	19.53	1.08
1.667	0.66	6.043	1.08	12.903	6.61	19.28	1.08	19.53	1.08
1.683	0.66	6.039	1.08	12.909	6.61	19.29	1.08	19.53	1.08
1.700	0.66	6.035	1.08	12.915	6.61	19.30	1.08	19.53	1.08
1.717	0.66	6.031	1.08	12.921	6.61	19.31	1.08	19.53	1.08
1.733	0.66	6.027	1.08	12.927	6.61	19.32	1.08	19.53	1.08
1.750	0.66	6.023	1.08	12.933	6.61	19.33	1.08	19.53	1.08
1.767	0.66	6.019	1.08	12.939	6.61	19.34	1.08	19.53	1.08
1.783	0.66	6.015	1.08	12.945	6.61	19.35	1.08	19.53	1.08
1.800	0.66	6.011	1.08	12.951	6.61	19.36	1.08	19.53	1.08
1.817	0.66	6.007	1.08	12.957	6.61	19.37	1.08	19.53	1.08
1.833	0.66	6.003	1.08	12.963	6.61	19.38	1.08	19.53	1.08
1.850	0.66	5.999	1.08	12.969	6.61	19.39	1.08	19.53	1.08
1.867	0.66	5.995	1.08	12.975	6.61	19.40	1.08	19.53	1.08
1.883	0.66	5.991	1.08	12.981	6.61	19.41	1.08	19.53	1.08
1.900	0.66	5.987	1.08	12.987	6.61	19.42	1.08	19.53	1.08
1.917	0.66	5.983	1.08	12.993	6.61	19.43	1.08	19.53	1.08
1.933	0.66	5.979	1.08	12.999	6.61	19.44	1.08	19.53	1.08
1.950	0.66	5.975	1.08	13.005	6.61	19.45	1.08	19.53	1.08
1.967	0.66	5.971	1.08	13.011	6.61	19.46	1.08	19.53	1.08
1.983	0.66	5.967	1.08	13.017	6.61	19.47	1.08	19.53	1.08
2.000	0.66	5.963	1.08	13.023	6.61	19.48	1.08	19.53	1.08
2.017	0.66	5.959	1.08	13.029	6.61	19.49	1.08	19.53	1.08
2.033	0.66	5.955	1.08	13.035	6.61	19.50	1.08	19.53	1.08
2.050	0.66	5.951	1.08	13.041	6.61	19.51	1.08	19.53	1.08
2.067	0.66	5.947	1.08	13.047	6.61	19.52	1.08	19.53	1.08
2.083	0.66	5.943	1.08	13.053	6.61	19.53	1.08	19.53	1.08
2.100	0.66	5.939	1.08	13.059	6.61	19.54	1.08	19.53	1.08
2.117	0.66	5.935	1.08	13.065	6.61	19.55	1.08	19.53	1.08
2.133	0.66	5.931	1.08	13.071	6.61	19.56	1.08	19.53	1.08
2.150	0.66	5.927	1.08	13.077	6.61	19.57	1.08	19.53	1.08
2.167	0.66	5.923	1.08	13.083	6.61	19.58	1.08	19.53	1.08
2.183	0.66	5.919	1.08	13.089	6.61	19.59	1.08	19.53	1.08
2.200	0.66	5.915	1.08	13.095	6.61	19.60	1.08	19.53	1.08
2.217	0.66	5.911	1.08	13.101	6.61	19.61	1.08	19.53	1.08
2.233	0.66	5.907	1.08	13.107	6.61	19.62	1.08	19.53	1.08
2.250	0.66	5.903	1.08	13.113	6.61	19.63	1.08	19.53	1.08
2.267	0.66	5.899	1.08	13.119	6.61	19.64	1.08	19.53	1.08
2.283	0.66	5.895	1.08	13.125	6.61	19.65	1.08	19.53	1.08
2.300	0.66	5.891	1.08	13.131	6.61	19.66	1.08	19.53	1.08
2.317	0.66	5.887	1.08	13.137	6.61	19.67	1.08	19.53	1.08
2.333	0.66	5.883	1.08	13.143	6.61	19.68	1.08	19.53	1.08
2.350	0.66	5.879	1.08	13.149	6.61	19.69	1.08	19.53	1.08
2.367	0.66	5.875	1.08	13.155	6.61				

4.583	0.96	10.633	2.75	16.683	1.08	22.73	0.72
4.609	0.96	10.659	2.75	16.709	1.08	22.75	0.72
4.635	0.96	10.685	3.71	16.735	1.08	22.78	0.72
4.661	0.96	10.711	3.71	16.761	1.08	22.80	0.72
4.687	0.96	10.737	3.71	16.787	1.08	22.83	0.72
4.713	0.96	10.763	3.71	16.813	1.08	22.85	0.72
4.739	0.96	10.789	3.71	16.839	1.08	22.88	0.72
4.765	0.96	10.815	3.71	16.865	1.08	22.90	0.72
4.791	0.96	10.841	3.71	16.891	1.08	22.92	0.72
4.817	0.96	10.867	3.71	16.917	1.08	22.95	0.72
4.843	0.96	10.893	3.71	16.943	1.08	22.97	0.72
4.869	0.96	10.919	3.71	16.969	1.08	23.00	0.72
4.895	0.96	10.945	3.71	16.995	1.08	23.02	0.72
4.921	0.96	10.971	3.71	17.021	1.08	23.05	0.72
4.947	0.96	10.997	3.71	17.047	1.08	23.08	0.72
4.973	0.96	11.023	3.71	17.073	1.08	23.10	0.72
4.999	0.96	11.049	3.71	17.099	1.08	23.13	0.72
5.025	0.96	11.075	3.71	17.125	1.08	23.15	0.72
5.051	0.96	11.101	3.71	17.151	1.08	23.18	0.72
5.077	0.96	11.127	3.71	17.177	1.08	23.21	0.72
5.103	0.96	11.153	3.71	17.203	1.08	23.23	0.72
5.129	0.96	11.179	3.71	17.229	1.08	23.26	0.72
5.155	0.96	11.205	3.71	17.255	1.08	23.28	0.72
5.181	0.96	11.231	3.71	17.281	1.08	23.31	0.72
5.207	0.96	11.257	3.71	17.307	1.08	23.33	0.72
5.233	0.96	11.283	3.71	17.333	1.08	23.36	0.72
5.259	0.96	11.309	3.71	17.359	1.08	23.39	0.72
5.285	0.96	11.335	3.71	17.385	1.08	23.42	0.72
5.311	0.96	11.361	3.71	17.411	1.08	23.45	0.72
5.337	0.96	11.387	3.71	17.437	1.08	23.48	0.72
5.363	0.96	11.413	3.71	17.463	1.08	23.51	0.72
5.389	0.96	11.439	3.71	17.489	1.08	23.53	0.72
5.415	0.96	11.465	3.71	17.515	1.08	23.56	0.72
5.441	0.96	11.491	3.71	17.541	1.08	23.59	0.72
5.467	0.96	11.517	3.71	17.567	1.08	23.62	0.72
5.493	0.96	11.543	3.71	17.593	1.08	23.65	0.72
5.519	0.96	11.569	3.71	17.619	1.08	23.68	0.72
5.545	0.96	11.595	3.71	17.645	1.08	23.71	0.72
5.571	0.96	11.621	3.71	17.671	1.08	23.74	0.72
5.597	0.96	11.647	3.71	17.697	1.08	23.77	0.72
5.623	0.96	11.673	3.71	17.723	1.08	23.80	0.72
5.649	0.96	11.699	3.71	17.749	1.08	23.83	0.72
5.675	0.96	11.725	3.71	17.775	1.08	23.86	0.72
5.701	0.96	11.751	3.71	17.801	1.08	23.89	0.72
5.727	0.96	11.777	3.71	17.827	1.08	23.92	0.72
5.753	0.96	11.803	3.71	17.853	1.08	23.95	0.72
5.779	0.96	11.829	3.71	17.879	1.08	23.98	0.72
5.805	0.96	11.855	3.71	17.905	1.08	24.01	0.72
5.831	0.96	11.881	3.71	17.931	1.08	24.04	0.72
5.857	0.96	11.907	3.71	17.957	1.08	24.07	0.72
5.883	0.96	11.933	3.71	17.983	1.08	24.10	0.72
5.909	0.96	11.959	3.71	18.009	1.08	24.13	0.72
5.935	0.96	11.985	3.71	18.035	1.08	24.16	0.72
5.961	0.96	12.011	3.71	18.061	1.08	24.19	0.72
5.987	0.96	12.037	3.71	18.087	1.08	24.22	0.72
6.013	0.96	12.063	3.71	18.113	1.08	24.25	0.72
6.039	0.96	12.089	3.71	18.139	1.08	24.28	0.72
6.065	0.96	12.115	3.71	18.165	1.08	24.31	0.72
6.091	0.96	12.141	3.71	18.191	1.08	24.34	0.72
6.117	0.96	12.167	3.71	18.217	1.08	24.37	0.72
6.143	0.96	12.193	3.71	18.243	1.08	24.40	0.72
6.169	0.96	12.219	3.71	18.269	1.08	24.43	0.72
6.195	0.96	12.245	3.71	18.295	1.08	24.46	0.72
6.221	0.96	12.271	3.71	18.321	1.08	24.49	0.72
6.247	0.96	12.297	3.71	18.347	1.08	24.52	0.72
6.273	0.96	12.323	3.71	18.373	1.08	24.55	0.72
6.299	0.96	12.349	3.71	18.399	1.08	24.58	0.72
6.325	0.96	12.375	3.71	18.425	1.08	24.61	0.72
6.351	0.96	12.401	3.71	18.451	1.08	24.64	0.72
6.377	0.96	12.427	3.71	18.477	1.08	24.67	0.72
6.403	0.96	12.453	3.71	18.503	1.08	24.70	0.72
6.429	0.96	12.479	3.71	18.529	1.08	24.73	0.72
6.455	0.96	12.505	3.71	18.555	1.08	24.76	0.72
6.481	0.96	12.531	3.71	18.581	1.08	24.79	0.72
6.507	0.96	12.557	3.71	18.607	1.08	24.82	0.72
6.533	0.96	12.583	3.71	18.633	1.08	24.85	0.72
6.559	0.96	12.609	3.71	18.659	1.08	24.88	0.72
6.585	0.96	12.635	3.71	18.685	1.08	24.91	0.72
6.611	0.96	12.661	3.71	18.711	1.08	24.94	0.72
6.637	0.96	12.687	3.71	18.737	1.08	24.97	0.72
6.663	0.96	12.713	3.71	18.763	1.08	25.00	0.72
6.689	0.96	12.739	3.71	18.789	1.08	25.03	0.72
6.715	0.96	12.765	3.71	18.815	1.08	25.06	0.72
6.741	0.96	12.791	3.71	18.841	1.08	25.09	0.72
6.767	0.96	12.817	3.71	18.867	1.08	25.12	0.72
6.793	0.96	12.843	3.71	18.893	1.08	25.15	0.72
6.819	0.96	12.869	3.71	18.919	1.08	25.18	0.72
6.845	0.96	12.895	3.71	18.945	1.08	25.21	0.72
6.871	0.96	12.921	3.71	18.971	1.08	25.24	0.72
6.897	0.96	12.947	3.71	19.007	1.08	25.27	0.72
6.923	0.96	12.973	3.71	19.033	1.08	25.30	0.72
6.949	0.96	12.999	3.71	19.059	1.08	25.33	0.72
6.975	0.96	13.025	3.71	19.085	1.08	25.36	0.72
7.001	0.96	13.051	3.71	19.111	1.08	25.39	0.72
7.027	0.96	13.077	3.71	19.137	1.08	25.42	0.72
7.053	0.96	13.103	3.71	19.163	1.08	25.45	0.72
7.079	0.96	13.129	3.71	19.189	1.08	25.48	0.72
7.105	0.96	13.155	3.71	19.215	1.08	25.51	0.72
7.131	0.96	13.181	3.71	19.241	1.08	25.54	0.72
7.157	0.96	13.207	3.71	19.267	1.08	25.57	0.72
7.183	0.96	13.233	3.71	19.293	1.08	25.60	0.72
7.209	0.96	13.259	3.71	19.319	1.08	25.63	0.72
7.235	0.96	13.285	3.71	19.345	1.08	25.66	0.72
7.261	0.96	13.311	3.71	19.371	1.08	25.69	0.72
7.287	0.96	13.337	3.71	19.397	1.08	25.72	0.72
7.313	0.96	13.363	3.71	19.423	1.08	25.75	0.72
7.339	0.96	13.389	3.71	19.449	1.08	25.78	0.72
7.365	0.96	13.415	3.71	19.475	1.08	25.81	0.72
7.391	0.96	13.441	3.71	19.501	1.08	25.84	0.72
7.417	0.96	13.467	3.71	19.527	1.08	25.87	0.72
7.443	0.96	13.493	3.71	19.553	1.08	25.90	0.72
7.469	0.96	13.519	3.71	19.579	1.08	25.93	0.72
7.495	0.96	13.545	3.71	19.605	1.08	25.96	0.72
7.521	0.96	13.571	3.71	19.631	1.08	25.99	0.72
7.547	0.96	13.597	3.71	19.657	1.08	26.02	0.72
7.573	0.96	13.623	3.71	19.683	1.08	26.05	0.72
7.599	0.96	13.649	3.71	19.709	1.08	26.08	0.72
7.625	0.96	13.675	3.71	19.735	1.08	26.11	0.72
7.651	0.96	13.701	3.71	19.761	1.08	26.14	0.72
7.677	0.96	13.727	3.71	19.787	1.08	26.17	0.72
7.703	0.96	13.753	3.71	19.813	1.08	26.20	0.72
7.729	0.96	13.779	3.71	19.839	1.08	26.23	0.72
7.755	0.96	13.805	3.71	19.865	1.08	26.26	0.72
7.781	0.96	13.831	3.71	19.891	1.08	26.29	0.72
7.807	0.96	13.857	3.71	19.917	1.08	26.32	0.72
7.833	0.96	13.883	3.71	19.943	1.08	26.35	0.72
7.859	0.96	13.909	3.71	19.969	1.08	26.38	0.72
7.885	0.96	13.935	3.71	19.995	1.08	26.41	0.72
7.911	0.96	13.961	3.71	20.021	1.08	26.44	0.72
7.937	0.96	13.987	3.71	20.047	1.08	26.47	0.72
7.963	0.96	14.013	3.71	20.073	1.08	26.50	0.72
7.989	0.96	14.039	3.71	20.099	1.08	26.53	0.72
8.015	0.96	14.065	3.71	20.125	1.08	26.56	0.72
8.041	0.96	14.091	3.71	20.151	1.08	26.59	0.72
8.067	0.96	14.117	3.71	20.177	1.08	26.62	0.72
8.093	0.96	14.143	3.71	20.203	1.08	26.65	0.72
8.119	0.96	14.169	3.71	20.229	1.08	26.68	0.72
8.145	0.96	14.195	3.71	20.255	1.08	26.71	0.72
8.171	0.96	14.221	3.71	20.281	1.08	26.74	0.72
8.197	0.96	14.247	3.71	20.307	1.08	26.77	0.72
8.223	0.96	14.273	3.71	20.333	1.08	26.80	0.72
8.249	0.96	14.299	3.71	20.359	1.08	26.83	0.72
8.275	0.96	14.325	3.71	20.385	1.08	26.86	0.72
8.301	0.96	14.351	3.71	20.411	1.08	26.89	0.72
8.327	0.96	14.377	3.71	20.437	1.08	26.92	0.72
8.353	0.96	14.403	3.71	20.463	1.08	26.95	0.72
8.379	0.96	14.429	3.71	20.489	1.08	26.98	0.72
8.405	0.96	14.455	3.71	20.515	1.08	27.01	0.72
8.431	0.96	14.481	3.71	20.541	1.08	27.04	

2.360	0.78	8.359	1.55	14.499	1.79	20.45	0.72	3.367	0.78	9.417	1.91	15.467	1.79	21.52	0.72
2.361	0.78	8.367	1.55	14.417	1.79	20.47	0.72	3.383	0.78	9.433	1.91	15.483	1.79	21.53	0.72
2.362	0.78	8.375	1.55	14.335	1.79	20.48	0.72	3.399	0.78	9.449	1.91	15.499	1.79	21.54	0.72
2.363	0.78	8.400	1.55	14.459	1.79	20.49	0.72	3.415	0.78	9.465	1.91	15.515	1.79	21.55	0.72
2.364	0.78	8.417	1.55	14.467	1.79	20.52	0.72	3.431	0.78	9.483	1.91	15.537	1.79	21.57	0.72
2.365	0.78	8.434	1.55	14.475	1.79	20.53	0.72	3.447	0.78	9.499	1.91	15.553	1.79	21.58	0.72
2.366	0.78	8.450	1.55	14.486	1.79	20.55	0.72	3.463	0.78	9.517	1.91	15.567	1.79	21.59	0.72
2.367	0.78	8.467	1.55	14.517	1.79	20.57	0.72	3.483	0.78	9.533	1.91	15.633	1.79	21.63	0.72
2.368	0.78	8.483	1.55	14.523	1.79	20.60	0.72	3.507	0.78	9.559	1.91	15.659	1.79	21.67	0.72
2.369	0.78	8.500	1.55	14.533	1.79	20.61	0.72	3.527	0.78	9.579	1.91	15.677	1.79	21.69	0.72
2.370	0.78	8.517	1.55	14.567	1.79	20.62	0.72	3.553	0.78	9.583	1.91	15.633	1.79	21.68	0.72
2.371	0.78	8.533	1.55	14.583	1.79	20.63	0.72	3.569	0.78	9.600	1.91	15.659	1.79	21.70	0.72
2.372	0.78	8.550	1.55	14.617	1.79	20.65	0.72	3.585	0.78	9.616	1.91	15.685	1.79	21.72	0.72
2.373	0.78	8.567	1.55	14.617	1.79	20.67	0.72	3.601	0.78	9.633	1.91	15.683	1.79	21.73	0.72
2.374	0.78	8.583	1.55	14.633	1.79	20.68	0.72	3.617	0.78	9.650	1.91	15.709	1.79	21.75	0.72
2.375	0.78	8.600	1.55	14.667	1.79	20.72	0.72	3.633	0.78	9.666	1.91	15.733	1.79	21.78	0.72
2.376	0.78	8.617	1.55	14.683	1.79	20.73	0.72	3.650	0.78	9.682	1.91	15.759	1.79	21.80	0.72
2.377	0.78	8.633	1.55	14.717	1.79	20.77	0.72	3.666	0.78	9.698	1.91	15.783	1.79	21.83	0.72
2.378	0.78	8.650	1.55	14.733	1.79	20.78	0.72	3.682	0.78	9.714	1.91	15.809	1.79	21.85	0.72
2.379	0.78	8.667	1.55	14.767	1.79	20.82	0.72	3.698	0.78	9.730	1.91	15.833	1.79	21.88	0.72
2.380	0.78	8.683	1.55	14.783	1.79	20.83	0.72	3.714	0.78	9.746	1.91	15.859	1.79	21.90	0.72
2.381	0.78	8.700	1.55	14.817	1.79	20.87	0.72	3.730	0.78	9.762	1.91	15.883	1.79	21.93	0.72
2.382	0.78	8.717	1.55	14.817	1.79	20.87	0.72	3.746	0.78	9.778	1.91	15.909	1.79	21.95	0.72
2.383	0.78	8.733	1.55	14.833	1.79	20.88	0.72	3.762	0.78	9.794	1.91	15.933	1.79	21.97	0.72
2.384	0.78	8.750	1.55	14.850	1.79	20.89	0.72	3.778	0.78	9.810	1.91	15.959	1.79	21.99	0.72
2.385	0.78	8.767	1.55	14.883	1.79	20.93	0.72	3.794	0.78	9.826	1.91	15.983	1.79	22.02	0.72
2.386	0.78	8.783	1.55	14.833	1.79	20.95	0.72	3.810	0.78	9.842	1.91	16.009	1.79	22.04	0.72
2.387	0.78	8.800	1.55	14.850	1.79	20.96	0.72	3.826	0.78	9.858	1.91	16.033	1.79	22.06	0.72
2.388	0.78	8.817	1.55	14.867	1.79	20.97	0.72	3.842	0.78	9.874	1.91	16.059	1.79	22.08	0.72
2.389	0.78	8.833	1.55	14.883	1.79	20.98	0.72	3.858	0.78	9.890	1.91	16.083	1.79	22.10	0.72
2.390	0.78	8.850	1.55	14.917	1.79	21.02	0.72	3.874	0.78	9.906	1.91	16.109	1.79	22.13	0.72
2.391	0.78	8.867	1.55	14.933	1.79	21.03	0.72	3.890	0.78	9.922	1.91	16.133	1.79	22.15	0.72
2.392	0.78	8.883	1.55	14.950	1.79	21.04	0.72	3.906	0.78	9.938	1.91	16.159	1.79	22.17	0.72
2.393	0.78	8.900	1.55	14.967	1.79	21.05	0.72	3.922	0.78	9.954	1.91	16.183	1.79	22.19	0.72
2.394	0.78	8.917	1.55	14.983	1.79	21.06	0.72	3.938	0.78	9.970	1.91	16.209	1.79	22.21	0.72
2.395	0.78	8.933	1.55	15.000	1.79	21.07	0.72	3.954	0.78	9.986	1.91	16.233	1.79	22.23	0.72
2.396	0.78	8.950	1.55	15.017	1.79	21.08	0.72	3.970	0.78	10.002	1.91	16.259	1.79	22.25	0.72
2.397	0.78	8.967	1.55	15.033	1.79	21.09	0.72	3.986	0.78	10.018	1.91	16.283	1.79	22.27	0.72
2.398	0.78	8.983	1.55	15.050	1.79	21.10	0.72	3.999	0.78	10.031	1.91	16.309	1.79	22.29	0.72
2.399	0.78	9.000	1.55	15.067	1.79	21.11	0.72	4.015	0.78	10.047	1.91	16.333	1.79	22.31	0.72
2.400	0.78	9.017	1.55	15.083	1.79	21.12	0.72	4.031	0.78	10.063	1.91	16.359	1.79	22.33	0.72
2.401	0.78	9.033	1.55	15.100	1.79	21.13	0.72	4.047	0.78	10.079	1.91	16.383	1.79	22.35	0.72
2.402	0.78	9.050	1.55	15.117	1.79	21.14	0.72	4.063	0.78	10.095	1.91	16.409	1.79	22.37	0.72
2.403	0.78	9.067	1.55	15.133	1.79	21.15	0.72	4.079	0.78	10.111	1.91	16.433	1.79	22.39	0.72
2.404	0.78	9.083	1.55	15.150	1.79	21.16	0.72	4.095	0.78	10.127	1.91	16.459	1.79	22.41	0.72
2.405	0.78	9.100	1.55	15.167	1.79	21.17	0.72	4.111	0.78	10.143	1.91	16.483	1.79	22.43	0.72
2.406	0.78	9.117	1.55	15.183	1.79	21.18	0.72	4.127	0.78	10.159	1.91	16.509	1.79	22.45	0.72
2.407	0.78	9.133	1.55	15.200	1.79	21.19	0.72	4.143	0.78	10.175	1.91	16.533	1.79	22.47	0.72
2.408	0.78	9.150	1.55	15.217	1.79	21.20	0.72	4.159	0.78	10.191	1.91	16.559	1.79	22.49	0.72
2.409	0.78	9.167	1.55	15.233	1.79	21.21	0.72	4.175	0.78	10.207	1.91	16.583	1.79	22.51	0.72
2.410	0.78	9.183	1.55	15.250	1.79	21.22	0.72	4.191	0.78	10.223	1.91	16.609	1.79	22.53	0.72
2.411	0.78	9.200	1.55	15.267	1.79	21.23	0.72	4.207	0.78	10.239	1.91	16.633	1.79	22.55	0.72
2.412	0.78	9.217	1.55	15.283	1.79	21.24	0.72	4.223	0.78	10.255	1.91	16.659	1.79	22.57	0.72
2.413	0.78	9.233	1.55	15.300	1.79	21.25	0.72	4.239	0.78	10.271	1.91	16.683	1.79	22.59	0.72
2.414	0.78	9.250	1.55	15.317	1.79	21.26	0.72	4.255	0.78	10.287	1.91	16.709	1.79	22.61	0.72
2.415	0.78	9.267	1.55	15.333	1.79	21.27	0.72	4.271	0.78	10.303	1.91	16.733	1.79	22.63	0.72
2.416	0.78	9.283	1.55	15.350	1.79	21.28	0.72	4.287	0.78	10.319	1.91	16.759	1.79	22.65	0.72
2.417	0.78	9.300	1.55	15.367	1.79	21.29	0.72	4.303	0.78	10.335	1.91	16.783	1.79	22.67	0.72
2.418	0.78	9.317	1.55	15.383	1.79	21.30	0.72	4.319	0.78	10.351	1.91	16.809	1.79	22.69	0.72
2.419	0.78	9.333	1.55	15.400	1.79	21.31	0.72	4.335	0.78	10.367	1.91	16.833	1.79	22.71	0.72
2.420	0.78	9.350	1.55	15.417	1.79	21.32	0.72	4.351	0.78	10.383	1.91	16.859	1.79	22.73	0.72
2.421	0.78	9.367	1.55	15.433	1.79	21.33	0.72	4.367	0.78	10.399	1.91	16.883	1.79	22.75	0.72
2.422	0.78	9.383	1.55	15.450	1.79	21.34	0.72	4.383	0.78	10.415	1.91	16.909	1.79	22.77	0.72
2.423	0.78	9.400	1.55	15.467	1.79	21.35	0.72	4.399	0.78	10.431	1.91	16.933	1.79	22.79	0.72
2.424	0.78	9.417	1.55	15.483	1.79	21.36	0.72	4.415	0.78	10.447	1.91	16.959	1.79	22.81	0.72
2.425	0.78	9.433	1.55	15.500	1.79	21.37	0.72	4.431	0.78	10.463	1.91	16.983	1.79	22.83	0.72
2.426	0.78	9.450	1.55	15.517	1.79	21.38	0.72	4.447	0.78	10.479	1.91	17.009	1.79	22.85	0.72
2.427	0.78	9.467	1.55	15.533	1.79	21.39	0.72	4.463	0.78	10.495	1.91	17.033	1.79	22.87	0.72
2.428	0.78	9.483	1.55	15.550	1.79	21.40	0.72	4.479	0.78	10.511	1.91	17.059	1.79	22.89	0.72
2.429	0.78	9.500	1.55	15.567	1.79	21.41	0.72	4.495	0.78	10.527	1.91	17.083	1.79	22.91	0.72
2.430	0.78	9.517	1.55	15.583	1.79	21.42	0.72	4.511	0.78	10.543	1.91	17.109	1.79	22.93	0.72
2.431	0.78	9.533	1.55	15.600	1.79	21.43	0.72	4.527	0.78	10.559	1.91	17.133	1.79	22.95	0.72
2.432	0.78	9.550	1.55	15.617	1.79	21.44	0.72	4.543	0.78	10.575	1.91	17.159	1.79	22.97	0.72
2.433	0.78	9.567	1.55	15.633	1.79	21.45	0.72	4.559	0.78	10.591	1.91	17.183	1.79	22.99	0.72
2.434	0.78	9.583	1.55	15.650	1.79	21.46	0.72	4.575	0.78	10.607	1.91	17.209	1.79	23.01	0.72
2.435	0.78	9.600	1.55	15.667	1.79	21.47	0.72	4.591	0.78	10.623	1.91	17.233	1.79	23.03	0.72
2.436	0.78	9.617	1.55	15.683	1.79	21.48	0.72	4.607	0.78	10.639	1.91	17.259	1.79	23.05	0.72
2.437	0.78	9.633	1.55	15.700	1.79	21.49									

Length
Mannings n
(m) = 0.00 5.00 15.00
0.250 0.013 0.013

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

--- TRANSFORMED HYETOGRAPH ---									
TIME mm/hr	RAIN mm/hr	TIME mm/hr	RAIN mm/hr	TIME mm/hr	RAIN mm/hr	TIME mm/hr	RAIN mm/hr	TIME mm/hr	RAIN mm/hr
0.017	0.00	6.017	0.06	12.017	0.06	18.017	0.06	24.017	0.06
0.033	0.00	6.033	0.06	12.033	0.06	18.033	0.06	24.033	0.06
0.050	0.00	6.050	0.06	12.050	0.06	18.050	0.06	24.050	0.06
0.066	0.00	6.066	0.06	12.066	0.06	18.066	0.06	24.066	0.06
0.083	0.00	6.083	0.06	12.083	0.06	18.083	0.06	24.083	0.06
0.100	0.00	6.100	0.06	12.100	0.06	18.100	0.06	24.100	0.06
0.116	0.00	6.116	0.06	12.116	0.06	18.116	0.06	24.116	0.06
0.133	0.00	6.133	0.06	12.133	0.06	18.133	0.06	24.133	0.06
0.150	0.00	6.150	0.06	12.150	0.06	18.150	0.06	24.150	0.06
0.166	0.00	6.166	0.06	12.166	0.06	18.166	0.06	24.166	0.06
0.183	0.00	6.183	0.06	12.183	0.06	18.183	0.06	24.183	0.06
0.200	0.00	6.200	0.06	12.200	0.06	18.200	0.06	24.200	0.06
0.216	0.00	6.216	0.06	12.216	0.06	18.216	0.06	24.216	0.06
0.233	0.00	6.233	0.06	12.233	0.06	18.233	0.06	24.233	0.06
0.250	0.00	6.250	0.06	12.250	0.06	18.250	0.06	24.250	0.06
0.266	0.00	6.266	0.06	12.266	0.06	18.266	0.06	24.266	0.06
0.283	0.00	6.283	0.06	12.283	0.06	18.283	0.06	24.283	0.06
0.300	0.00	6.300	0.06	12.300	0.06	18.300	0.06	24.300	0.06
0.316	0.00	6.316	0.06	12.316	0.06	18.316	0.06	24.316	0.06
0.333	0.00	6.333	0.06	12.333	0.06	18.333	0.06	24.333	0.06
0.350	0.00	6.350	0.06	12.350	0.06	18.350	0.06	24.350	0.06
0.366	0.00	6.366	0.06	12.366	0.06	18.366	0.06	24.366	0.06
0.383	0.00	6.383	0.06	12.383	0.06	18.383	0.06	24.383	0.06
0.400	0.00	6.400	0.06	12.400	0.06	18.400	0.06	24.400	0.06
0.416	0.00	6.416	0.06	12.416	0.06	18.416	0.06	24.416	0.06
0.433	0.00	6.433	0.06	12.433	0.06	18.433	0.06	24.433	0.06
0.450	0.00	6.450	0.06	12.450	0.06	18.450	0.06	24.450	0.06
0.466	0.00	6.466	0.06	12.466	0.06	18.466	0.06	24.466	0.06
0.483	0.00	6.483	0.06	12.483	0.06	18.483	0.06	24.483	0.06
0.500	0.00	6.500	0.06	12.500	0.06	18.500	0.06	24.500	0.06
0.516	0.00	6.516	0.06	12.516	0.06	18.516	0.06	24.516	0.06
0.533	0.00	6.533	0.06	12.533	0.06	18.533	0.06	24.533	0.06
0.550	0.00	6.550	0.06	12.550	0.06	18.550	0.06	24.550	0.06
0.566	0.00	6.566	0.06	12.566	0.06	18.566	0.06	24.566	0.06
0.583	0.00	6.583	0.06	12.583	0.06	18.583	0.06	24.583	0.06
0.600	0.00	6.600	0.06	12.600	0.06	18.600	0.06	24.600	0.06
0.616	0.00	6.616	0.06	12.616	0.06	18.616	0.06	24.616	0.06
0.633	0.00	6.633	0.06	12.633	0.06	18.633	0.06	24.633	0.06
0.650	0.00	6.650	0.06	12.650	0.06	18.650	0.06	24.650	0.06
0.666	0.00	6.666	0.06	12.666	0.06	18.666	0.06	24.666	0.06
0.683	0.00	6.683	0.06	12.683	0.06	18.683	0.06	24.683	0.06
0.700	0.00	6.700	0.06	12.700	0.06	18.700	0.06	24.700	0.06
0.716	0.00	6.716	0.06	12.716	0.06	18.716	0.06	24.716	0.06
0.733	0.00	6.733	0.06	12.733	0.06	18.733	0.06	24.733	0.06
0.750	0.00	6.750	0.06	12.750	0.06	18.750	0.06	24.750	0.06
0.766	0.00	6.766	0.06	12.766	0.06	18.766	0.06	24.766	0.06
0.783	0.00	6.783	0.06	12.783	0.06	18.783	0.06	24.783	0.06
0.800	0.00	6.800	0.06	12.800	0.06	18.800	0.06	24.800	0.06
0.816	0.00	6.816	0.06	12.816	0.06	18.816	0.06	24.816	0.06
0.833	0.00	6.833	0.06	12.833	0.06	18.833	0.06	24.833	0.06
0.850	0.00	6.850	0.06	12.850	0.06	18.850	0.06	24.850	0.06
0.866	0.00	6.866	0.06	12.866	0.06	18.866	0.06	24.866	0.06
0.883	0.00	6.883	0.06	12.883	0.06	18.883	0.06	24.883	0.06
0.900	0.00	6.900	0.06	12.900	0.06	18.900	0.06	24.900	0.06
0.916	0.00	6.916	0.06	12.916	0.06	18.916	0.06	24.916	0.06
0.933	0.00	6.933	0.06	12.933	0.06	18.933	0.06	24.933	0.06
0.950	0.00	6.950	0.06	12.950	0.06	18.950	0.06	24.950	0.06
0.966	0.00	6.966	0.06	12.966	0.06	18.966	0.06	24.966	0.06
0.983	0.00	6.983	0.06	12.983	0.06	18.983	0.06	24.983	0.06
1.000	0.00	7.000	0.06	13.000	0.06	19.000	0.06	25.000	0.06
1.016	0.00	7.016	0.06	13.016	0.06	19.016	0.06	25.016	0.06
1.033	0.00	7.033	0.06	13.033	0.06	19.033	0.06	25.033	0.06
1.050	0.00	7.050	0.06	13.050	0.06	19.050	0.06	25.050	0.06
1.066	0.00	7.066	0.06	13.066	0.06	19.066	0.06	25.066	0.06
1.083	0.00	7.083	0.06	13.083	0.06	19.083	0.06	25.083	0.06
1.100	0.00	7.100	0.06	13.100	0.06	19.100	0.06	25.100	0.06
1.116	0.00	7.116	0.06	13.116	0.06	19.116	0.06	25.116	0.06
1.133	0.00	7.133	0.06	13.133	0.06	19.133	0.06	25.133	0.06
1.150	0.00	7.150	0.06	13.150	0.06	19.150	0.06	25.150	0.06
1.166	0.00	7.166	0.06	13.166	0.06	19.166	0.06	25.166	0.06
1.183	0.00	7.183	0.06	13.183	0.06	19.183	0.06	25.183	0.06
1.200	0.00	7.200	0.06	13.200	0.06	19.200	0.06	25.200	0.06
1.216	0.00	7.216	0.06	13.216	0.06	19.216	0.06	25.216	0.06
1.233	0.00	7.233	0.06	13.233	0.06	19.233	0.06	25.233	0.06
1.250	0.00	7.250	0.06	13.250	0.06	19.250	0.06	25.250	0.06
1.266	0.00	7.266	0.06	13.266	0.06	19.266	0.06	25.266	0.06
1.283	0.00	7.283	0.06	13.283	0.06	19.283	0.06	25.283	0.06
1.300	0.00	7.300	0.06	13.300	0.06	19.300	0.06	25.300	0.06
1.316	0.00	7.316	0.06	13.316	0.06	19.316	0.06	25.316	0.06
1.333	0.00	7.333	0.06	13.333	0.06	19.333	0.06	25.333	0.06
1.350	0.00	7.350	0.06	13.350	0.06	19.350	0.06	25.350	0.06
1.366	0.00	7.366	0.06	13.366	0.06	19.366	0.06	25.366	0.06
1.383	0.00	7.383	0.06	13.383	0.06	19.383	0.06	25.383	0.06
1.400	0.00	7.400	0.06	13.400	0.06	19.400	0.06	25.400	0.06
1.416	0.00	7.416	0.06	13.416	0.06	19.416	0.06	25.416	0.06
1.433	0.00	7.433	0.06	13.433	0.06	19.433	0.06	25.433	0.06
1.450	0.00	7.450	0.06	13.450	0.06	19.450	0.06	25.450	0.06
1.466	0.00	7.466	0.06	13.466	0.06	19.466	0.06	25.466	0.06
1.483	0.00	7.483	0.06	13.483	0.06	19.483	0.06	25.483	0.06
1.500	0.00	7.500	0.06	13.500	0.06	19.500	0.06	25.500	0.06
1.516	0.00	7.516	0.06	13.516	0.06	19.516	0.06	25.516	0.06
1.533	0.00	7.533	0.06	13.533	0.06	19.533	0.06	25.533	0.06
1.550	0.00	7.550	0.06	13.550	0.06	19.550	0.06	25.550	0.06
1.566	0.00	7.566	0.06	13.566	0.06	19.566	0.06	25.566	0.06
1.583	0.00	7.583	0.06	13.583	0.06	19.583	0.06	25.583	0.06
1.600	0.00	7.600	0.06	13.600	0.06	19.600	0.06	25.600	0.06
1.616	0.00	7.616	0.06	13.616	0.06	19.616	0.06	25.616	0.06
1.633	0.00	7.633	0.06	13.633	0.06	19.633	0.06	25.633	0.06
1.650	0.00	7.650	0.06	13.650	0.06	19.650	0.06	25.650	0.06
1.666	0.00	7.666	0.06	13.666	0.06	19.666	0.06	25.666	0.06
1.683	0.00	7.683	0.06	13.683	0.06	19.683	0.06	25.683	0.06
1.700	0.00	7.700	0.06	13.700	0.06	19.700	0.06	25.700	0.06
1.716	0.00	7.716	0.06	13.716	0.06	19.716	0.06	25.716	0.06
1.733	0.00	7.733	0.06	13.733	0.06	19.733	0.06	25.733	0.06
1.750	0.00	7.750	0.06	13.750	0.06	19.750	0.06	25.750	0.06
1.766	0.00	7.766	0.06	13.766	0.06	19.766	0.06	25.766	0.06
1.783	0.00	7.783	0.06	13.783	0.06	19.783	0.06	25.783	0.06
1.800	0.00	7.800	0.06	13.800	0.06	19.800	0.06	25.800	0.06
1.816	0.00	7.816	0.06	13.816	0.06	19.816	0.06	25.816	0.06
1.833	0.00	7.833	0.06	13.833	0.06	19.833	0.06	25.833	0.06
1.850	0.00	7.850	0.06	13.850	0.06	19.850	0.06	25.850	0.06
1.866	0.00	7.866	0.06	13.866	0.06	19.866	0.06	25.866	0.06
1.883	0.00	7.883	0.06	13.883	0.06	19.883	0.06	25.883	0.06
1.900	0.00	7.900	0.06	13.900	0.06	19.900	0.06	25.900	0.06
1.916	0.00	7.916	0.06	13.916	0.06	19.916	0.06	25.916	0.06
1.933	0.00	7.933	0.06	13.933	0.06	19.933	0.06	25.933	0.06
1.950	0.00	7.950	0.06	13.950	0.06	19.950	0.06	25.950	0.06
1.966	0.00	7.966	0.06	13.966	0.06	19.966	0.06	25.96	

4.133	0.78	10.169	2.75	15.233	1.08	22.39	6.72	5.299	0.96	11.259	5.74	17.399	1.08	23.35	0.72
4.150	0.78	10.217	2.75	15.250	1.08	22.39	6.72	5.217	0.96	11.267	5.74	17.399	1.08	23.37	0.72
4.167	0.78	10.217	2.75	15.267	1.08	22.39	6.72	5.253	0.96	11.263	5.74	17.393	1.08	23.38	0.72
4.184	0.78	10.217	2.75	15.284	1.08	22.39	6.72	5.267	0.96	11.267	5.74	17.367	1.08	23.42	0.72
4.208	0.96	10.259	2.75	15.369	1.08	22.35	6.72	5.267	0.96	11.317	5.74	17.367	1.08	23.42	0.72
4.217	0.96	10.267	2.75	15.317	1.08	22.37	6.72	5.263	0.96	11.333	5.74	17.383	1.08	23.43	0.72
4.234	0.96	10.267	2.75	15.334	1.08	22.37	6.72	5.263	0.96	11.333	5.74	17.383	1.08	23.43	0.72
4.259	0.96	10.396	2.75	15.359	1.08	22.40	6.72	5.317	0.96	11.367	5.74	17.417	1.08	23.47	0.72
4.267	0.96	10.317	2.75	15.367	1.08	22.42	6.72	5.333	0.96	11.433	5.74	17.433	1.08	23.48	0.72
4.284	0.96	10.317	2.75	15.384	1.08	22.42	6.72	5.333	0.96	11.433	5.74	17.433	1.08	23.48	0.72
4.309	0.96	10.359	2.75	15.409	1.08	22.45	6.72	5.367	0.96	11.417	5.74	17.467	1.08	23.52	0.72
4.317	0.96	10.367	2.75	15.417	1.08	22.47	6.72	5.363	0.96	11.433	5.74	17.483	1.08	23.53	0.72
4.334	0.96	10.367	2.75	15.434	1.08	22.47	6.72	5.363	0.96	11.433	5.74	17.483	1.08	23.53	0.72
4.359	0.96	10.483	2.75	15.459	1.08	22.56	6.72	5.417	0.96	11.467	5.74	17.517	1.08	23.57	0.72
4.367	0.96	10.483	2.75	15.467	1.08	22.52	6.72	5.417	0.96	11.467	5.74	17.517	1.08	23.57	0.72
4.384	0.96	10.417	2.75	15.484	1.08	22.52	6.72	5.433	0.96	11.483	5.74	17.533	1.08	23.58	0.72
4.409	0.96	10.459	2.75	15.509	1.08	22.57	6.72	5.467	0.96	11.517	5.74	17.567	1.08	23.62	0.72
4.417	0.96	10.467	2.75	15.517	1.08	22.57	6.72	5.483	0.96	11.533	5.74	17.583	1.08	23.63	0.72
4.434	0.96	10.467	2.75	15.534	1.08	22.58	6.72	5.483	0.96	11.533	5.74	17.583	1.08	23.63	0.72
4.459	0.96	10.593	2.75	15.559	1.08	22.68	6.72	5.517	0.96	11.567	5.74	17.617	1.08	23.65	0.72
4.467	0.96	10.517	2.75	15.567	1.08	22.62	6.72	5.533	0.96	11.583	5.74	17.633	1.08	23.68	0.72
4.484	0.96	10.517	2.75	15.584	1.08	22.62	6.72	5.533	0.96	11.583	5.74	17.633	1.08	23.68	0.72
4.509	0.96	10.593	2.75	15.609	1.08	22.68	6.72	5.567	0.96	11.593	5.74	17.697	1.08	23.72	0.72
4.517	0.96	10.567	2.75	15.617	1.08	22.67	6.72	5.563	0.96	11.533	5.74	17.683	1.08	23.73	0.72
4.534	0.96	10.567	2.75	15.634	1.08	22.68	6.72	5.563	0.96	11.533	5.74	17.683	1.08	23.73	0.72
4.559	0.96	10.683	2.75</												

26

ID= 1 DT= 1.0 min	Total Imp(%)= 60.00	Dir. Conn.(%)= 30.00
-------------------	---------------------	----------------------

	IMPERVIOUS	PERVIOUS (1)
Surface Area	(ha) = 0.88	0.05
Dep. Storage	(mm) = 1.80	5.00
Average Slope	(%) = 1.00	2.00
Length	(m) = 36.00	10.00
Manning's n	= 0.013	

NOTE: DAYTIME WAS TRANSFORMED TO 1.0 WTN TIME STEP

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP

[illegible]

0.833	0.66	6.883	1.08	12.933	4.42	18.98	1.08	1.08	20.95	1.08
0.859	0.66	6.909	1.08	12.959	4.42	19.00	1.08	2.51	20.97	1.08
0.885	0.66	6.935	1.08	12.985	4.42	19.02	1.08	2.51	20.99	1.08
0.911	0.66	6.961	1.08	13.011	4.42	19.04	1.08	2.51	21.01	1.08
0.937	0.66	6.987	1.08	13.037	4.42	19.06	1.08	2.51	21.03	1.08
0.963	0.66	7.013	1.08	13.063	4.42	19.08	1.08	2.51	21.05	1.08
0.989	0.66	7.039	1.08	13.089	4.42	19.10	1.08	2.51	21.07	1.08
1.015	0.66	7.065	1.08	13.115	4.42	19.12	1.08	2.51	21.09	1.08
1.041	0.66	7.091	1.08	13.141	4.42	19.14	1.08	2.51	21.11	1.08
1.067	0.66	7.117	1.08	13.167	4.42	19.16	1.08	2.51	21.13	1.08
1.093	0.66	7.143	1.08	13.193	4.42	19.18	1.08	2.51	21.15	1.08
1.119	0.66	7.169	1.08	13.219	4.42	19.20	1.08	2.51	21.17	1.08
1.145	0.66	7.195	1.08	13.245	4.42	19.22	1.08	2.51	21.19	1.08
1.171	0.66	7.221	1.08	13.271	4.42	19.24	1.08	2.51	21.21	1.08
1.197	0.66	7.247	1.08	13.297	4.42	19.26	1.08	2.51	21.23	1.08
1.223	0.66	7.273	1.08	13.323	4.42	19.28	1.08	2.51	21.25	1.08
1.249	0.66	7.299	1.08	13.349	4.42	19.30	1.08	2.51	21.27	1.08
1.275	0.66	7.325	1.08	13.375	4.42	19.32	1.08	2.51	21.29	1.08
1.301	0.66	7.351	1.08	13.401	4.42	19.34	1.08	2.51	21.31	1.08
1.327	0.66	7.377	1.08	13.427	4.42	19.36	1.08	2.51	21.33	1.08
1.353	0.66	7.403	1.08	13.453	4.42	19.38	1.08	2.51	21.35	1.08
1.379	0.66	7.429	1.08	13.479	4.42	19.40	1.08	2.51	21.37	1.08
1.405	0.66	7.455	1.08	13.505	4.42	19.42	1.08	2.51	21.39	1.08
1.431	0.66	7.481	1.08	13.531	4.42	19.44	1.08	2.51	21.41	1.08
1.457	0.66	7.507	1.08	13.557	4.42	19.46	1.08	2.51	21.43	1.08
1.483	0.66	7.533	1.08	13.583	4.42	19.48	1.08	2.51	21.45	1.08
1.509	0.66	7.559	1.08	13.609	4.42	19.50	1.08	2.51	21.47	1.08
1.535	0.66	7.585	1.08	13.635	4.42	19.52	1.08	2.51	21.49	1.08
1.561	0.66	7.611	1.08	13.661	4.42	19.54	1.08	2.51	21.51	1.08
1.587	0.66	7.637	1.08	13.687	4.42	19.56	1.08	2.51	21.53	1.08
1.613	0.66	7.663	1.08	13.713	4.42	19.58	1.08	2.51	21.55	1.08
1.639	0.66	7.689	1.08	13.739	4.42	19.60	1.08	2.51	21.57	1.08
1.665	0.66	7.715	1.08	13.765	4.42	19.62	1.08	2.51	21.59	1.08
1.691	0.66	7.741	1.08	13.791	4.42	19.64	1.08	2.51	21.61	1.08
1.717	0.66	7.767	1.08	13.817	4.42	19.66	1.08	2.51	21.63	1.08
1.743	0.66	7.793	1.08	13.843	4.42	19.68	1.08	2.51	21.65	1.08
1.769	0.66	7.819	1.08	13.869	4.42	19.70	1.08	2.51	21.67	1.08
1.795	0.66	7.845	1.08	13.895	4.42	19.72	1.08	2.51	21.69	1.08
1.821	0.66	7.871	1.08	13.921	4.42	19.74	1.08	2.51	21.71	1.08
1.847	0.66	7.897	1.08	13.947	4.42	19.76	1.08	2.51	21.73	1.08
1.873	0.66	7.923	1.08	13.973	4.42	19.78	1.08	2.51	21.75	1.08
1.899	0.66	7.949	1.08	14.000	4.42	19.80	1.08	2.51	21.77	1.08
1.925	0.66	7.975	1.08	14.025	4.42	19.82	1.08	2.51	21.79	1.08
1.951	0.66	8.001	1.08	14.051	4.42	19.84	1.08	2.51	21.81	1.08
1.977	0.66	8.027	1.08	14.077	4.42	19.86	1.08	2.51	21.83	1.08
2.003	0.66	8.053	1.08	14.103	4.42	19.88	1.08	2.51	21.85	1.08
2.029	0.66	8.079	1.08	14.129	4.42	19.90	1.08	2.51	21.87	1.08
2.055	0.66	8.105	1.08	14.155	4.42	19.92	1.08	2.51	21.89	1.08
2.081	0.66	8.131	1.08	14.181	4.42	19.94	1.08	2.51	21.91	1.08
2.107	0.66	8.157	1.08	14.207	4.42	19.96	1.08	2.51	21.93	1.08
2.133	0.66	8.183	1.08	14.233	4.42	19.98	1.08	2.51	21.95	1.08
2.159	0.66	8.209	1.08	14.259	4.42	20.00	1.08	2.51	21.97	1.08
2.185	0.66	8.235	1.08	14.285	4.42	20.02	1.08	2.51	21.99	1.08
2.211	0.66	8.261	1.08	14.311	4.42	20.04	1.08	2.51	22.01	1.08
2.237	0.66	8.287	1.08	14.337	4.42	20.06	1.08	2.51	22.03	1.08
2.263	0.66	8.313	1.08	14.363	4.42	20.08	1.08	2.51	22.05	1.08
2.289	0.66	8.339	1.08	14.389	4.42	20.10	1.08	2.51	22.07	1.08
2.315	0.66	8.365	1.08	14.415	4.42	20.12	1.08	2.51	22.09	1.08
2.341	0.66	8.391	1.08	14.441	4.42	20.14	1.08	2.51	22.11	1.08
2.367	0.66	8.417	1.08	14.467	4.42	20.16	1.08	2.51	22.13	1.08
2.393	0.66	8.443	1.08	14.493	4.42	20.18	1.08	2.51	22.15	1.08
2.419	0.66	8.469	1.08	14.519	4.42	20.20	1.08	2.51	22.17	1.08
2.445	0.66	8.495	1.08	14.545	4.42	20.22	1.08	2.51	22.19	1.08
2.471	0.66	8.521	1.08	14.571	4.42	20.24	1.08	2.51	22.21	1.08
2.497	0.66	8.547	1.08	14.597	4.42	20.26	1.08	2.51	22.23	1.08
2.523	0.66	8.573	1.08	14.623	4.42	20.28	1.08	2.51	22.25	1.08
2.549	0.66	8.599	1.08	14.649	4.42	20.30	1.08	2.51	22.27	1.08
2.575	0.66	8.625	1.08	14.675	4.42	20.32	1.08	2.51	22.29	1.08
2.601	0.66	8.651	1.08	14.701	4.42	20.34	1.08	2.51	22.31	1.08
2.627	0.66	8.677	1.08	14.727	4.42	20.36	1.08	2.51	22.33	1.08
2.653	0.66	8.703	1.08	14.753	4.42	20.38	1.08	2.51	22.35	1.08
2.679	0.66	8.729	1.08	14.779	4.42	20.40	1.08	2.51	22.37	1.08
2.705	0.66	8.755	1.08	14.805	4.42	20.42	1.08	2.51	22.39	1.08
2.731	0.66	8.781	1.08	14.831	4.42	20.44	1.08	2.51	22.41	1.08
2.757	0.66	8.807	1.08	14.857	4.42	20.46	1.08	2.51	22.43	1.08
2.783	0.66	8.833	1.08	14.883	4.42	20.48	1.08	2.51	22.45	1.08
2.809	0.66	8.859	1.08	14.909	4.42	20.50	1.08	2.51	22.47	1.08
2.835	0.66	8.885	1.08	14.935	4.42	20.52	1.08	2.51	22.49	1.08
2.861	0.66	8.911	1.08	14.961	4.42	20.54	1.08	2.51	22.51	1.08
2.887	0.66	8.937	1.08	14.987	4.42	20.56	1.08	2.51	22.53	1.08
2.913	0.66	8.963	1.08	15.013	4.42	20.58	1.08	2.51	22.55	1.08
2.939	0.66	8.989	1.08	15.039	4.42	20.60	1.08	2.51	22.57	1.08
2.965	0.66	9.015	1.08	15.065	4.42	20.62	1.08	2.51	22.59	1.08
2.991	0.66	9.041	1.08	15.091	4.42	20.64	1.08	2.51	22.61	1.08
3.017	0.66	9.067	1.08	15.117	4.42	20.66	1.08	2.51	22.63	1.08
3.043	0.66	9.093	1.08	15.143	4.42	20.68	1.08	2.51	22.65	1.08
3.069	0.66	9.119	1.08	15.169	4.42	20.70	1.08	2.51	22.67	1.08
3.095	0.66	9.145	1.08	15.195	4.42	20.72	1.08	2.51	22.69	1.08
3.121	0.66	9.171	1.08	15.221	4.42	20.74	1.08	2.51	22.71	1.08
3.147	0.66	9.197	1.08	15.247	4.42	20.76	1.08	2.51	22.73	1.08
3.173	0.66	9.223	1.08	15.273	4.42	20.78	1.08	2.51	22.75	1.08
3.199	0.66	9.249	1.08	15.299	4.42	20.80	1.08	2.51	22.77	1.08
3.225	0.66	9.275	1.08	15.325	4.42	20.82	1.08	2.51	22.79	1.08
3.251	0.66	9.301	1.08	15.351	4.42	20.84	1.08	2.51	22.81	1.08
3.277	0.66	9.327	1.08	15.377	4.42	20.86	1.08	2.51	22.83	1.08
3.303	0.66	9.353	1.08	15.403	4.42	20.88	1.08	2.51	22.85	1.08
3.329	0.66	9.379	1.08	15.429	4.42	20.90	1.08	2.51	22.87	1.08
3.355	0.66	9.405	1.08	15.455	4.42	20.92	1.08	2.51	22.89	1.08
3.381	0.66	9.431	1.08	15.481	4.42	20.94	1.08	2.51	22.91	1.08
3.407	0.66	9.457	1.08	15.507	4.42	20.96	1.08	2.51	22.93	1.08
3.433	0.66	9.483	1.08	15.533	4.42	20.98	1.08	2.51	22.95	1.08
3.459	0.66	9.509	1.08	15.559	4.42	21.00	1.08	2.51	22.97	1.08
3.485	0.66	9.535	1.08	15.585	4.42	21.02	1.08	2.51	22.99	1.08
3.511	0.66	9.561	1.08	15.611	4.42	21.04	1.08	2.51	23.01	1.08
3.537	0.66	9.587	1.08	15.637	4.42	21.06	1.08	2.51	23.03	1.08
3.563	0.66	9.613	1.08	15.663	4.42	21.08	1.08	2.51	23.05	1.08
3.589	0.66	9.639	1.08	15.689	4.42	21.10	1.08	2.51	23.07	1.08
3.615	0.66	9.665	1.08	15.715	4.42	21.12	1.08	2.51	23.09	1.08
3.641	0.66	9.691	1.08	15.741	4.42	21.14	1.08	2.51	23.11	1.08
3.667	0.66	9.717	1.08	15.767	4.42	21.16	1.08	2.51	23.13	1.08
3.693	0.66	9.743	1.08	15.793	4.42	21.18	1.08	2.51	23.15	1.08
3.719	0.66	9.769	1.08	15.819	4.42	21.20	1.08	2.51	23.17	1.08
3.745	0.66	9.795	1.							

PEAK FLOW (cms) = 0.91
TOTAL RAINFALL (mm) = 59.77
RUNOFF COEFFICIENT = 0.98

(1) CUI PROCEDURE SELECTED FOR PREVIOUS LOSSES.
(11) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
THAN THE STORAGE COEFFICIENT.
(111) PEAK FLOW DOES NOT INCLUDE DISEFLOW IF ANY.

TOTALS
0.91
59.77
0.98
41.93
59.77
0.70

Area (ha) = 6.10
Total Imp(%) = 66.66
Dlr. Com.(%) = 39.66

IMPERVIOUS PERVIOUS (1)
1.00 5.00
1.00 2.00
0.00 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

TIME hrs	RAIN mm/hr	TRANSFORMED HYETOGRAPH		TIME hrs	RAIN mm/hr	TRANSFORMED HYETOGRAPH		TIME hrs	RAIN mm/hr
		TIME hrs	RAIN mm/hr			TIME hrs	RAIN mm/hr		
0.017	0.00	0.017	0.00	18.17	1.08	0.017	0.00	18.17	1.08
0.050	0.00	0.050	0.00	18.17	1.08	0.050	0.00	18.17	1.08
0.067	0.00	0.067	0.00	18.17	1.08	0.067	0.00	18.17	1.08
0.100	0.00	0.100	0.00	18.17	1.08	0.100	0.00	18.17	1.08
0.117	0.00	0.117	0.00	18.17	1.08	0.117	0.00	18.17	1.08
0.133	0.00	0.133	0.00	18.17	1.08	0.133	0.00	18.17	1.08
0.150	0.00	0.150	0.00	18.17	1.08	0.150	0.00	18.17	1.08
0.167	0.00	0.167	0.00	18.17	1.08	0.167	0.00	18.17	1.08
0.183	0.00	0.183	0.00	18.17	1.08	0.183	0.00	18.17	1.08
0.200	0.00	0.200	0.00	18.17	1.08	0.200	0.00	18.17	1.08
0.217	0.00	0.217	0.00	18.17	1.08	0.217	0.00	18.17	1.08
0.233	0.00	0.233	0.00	18.17	1.08	0.233	0.00	18.17	1.08
0.250	0.00	0.250	0.00	18.17	1.08	0.250	0.00	18.17	1.08
0.267	0.00	0.267	0.00	18.17	1.08	0.267	0.00	18.17	1.08
0.283	0.00	0.283	0.00	18.17	1.08	0.283	0.00	18.17	1.08
0.300	0.00	0.300	0.00	18.17	1.08	0.300	0.00	18.17	1.08
0.317	0.00	0.317	0.00	18.17	1.08	0.317	0.00	18.17	1.08
0.333	0.00	0.333	0.00	18.17	1.08	0.333	0.00	18.17	1.08
0.350	0.00	0.350	0.00	18.17	1.08	0.350	0.00	18.17	1.08
0.367	0.00	0.367	0.00	18.17	1.08	0.367	0.00	18.17	1.08
0.383	0.00	0.383	0.00	18.17	1.08	0.383	0.00	18.17	1.08
0.400	0.00	0.400	0.00	18.17	1.08	0.400	0.00	18.17	1.08
0.417	0.00	0.417	0.00	18.17	1.08	0.417	0.00	18.17	1.08
0.433	0.00	0.433	0.00	18.17	1.08	0.433	0.00	18.17	1.08
0.450	0.00	0.450	0.00	18.17	1.08	0.450	0.00	18.17	1.08
0.467	0.00	0.467	0.00	18.17	1.08	0.467	0.00	18.17	1.08
0.483	0.00	0.483	0.00	18.17	1.08	0.483	0.00	18.17	1.08
0.500	0.00	0.500	0.00	18.17	1.08	0.500	0.00	18.17	1.08
0.517	0.00	0.517	0.00	18.17	1.08	0.517	0.00	18.17	1.08
0.533	0.00	0.533	0.00	18.17	1.08	0.533	0.00	18.17	1.08
0.550	0.00	0.550	0.00	18.17	1.08	0.550	0.00	18.17	1.08
0.567	0.00	0.567	0.00	18.17	1.08	0.567	0.00	18.17	1.08
0.583	0.00	0.583	0.00	18.17	1.08	0.583	0.00	18.17	1.08
0.600	0.00	0.600	0.00	18.17	1.08	0.600	0.00	18.17	1.08
0.617	0.00	0.617	0.00	18.17	1.08	0.617	0.00	18.17	1.08
0.633	0.00	0.633	0.00	18.17	1.08	0.633	0.00	18.17	1.08
0.650	0.00	0.650	0.00	18.17	1.08	0.650	0.00	18.17	1.08
0.667	0.00	0.667	0.00	18.17	1.08	0.667	0.00	18.17	1.08
0.683	0.00	0.683	0.00	18.17	1.08	0.683	0.00	18.17	1.08
0.700	0.00	0.700	0.00	18.17	1.08	0.700	0.00	18.17	1.08
0.717	0.00	0.717	0.00	18.17	1.08	0.717	0.00	18.17	1.08
0.733	0.00	0.733	0.00	18.17	1.08	0.733	0.00	18.17	1.08
0.750	0.00	0.750	0.00	18.17	1.08	0.750	0.00	18.17	1.08
0.767	0.00	0.767	0.00	18.17	1.08	0.767	0.00	18.17	1.08
0.783	0.00	0.783	0.00	18.17	1.08	0.783	0.00	18.17	1.08
0.800	0.00	0.800	0.00	18.17	1.08	0.800	0.00	18.17	1.08
0.817	0.00	0.817	0.00	18.17	1.08	0.817	0.00	18.17	1.08
0.833	0.00	0.833	0.00	18.17	1.08	0.833	0.00	18.17	1.08
0.850	0.00	0.850	0.00	18.17	1.08	0.850	0.00	18.17	1.08
0.867	0.00	0.867	0.00	18.17	1.08	0.867	0.00	18.17	1.08
0.883	0.00	0.883	0.00	18.17	1.08	0.883	0.00	18.17	1.08
0.900	0.00	0.900	0.00	18.17	1.08	0.900	0.00	18.17	1.08
0.917	0.00	0.917	0.00	18.17	1.08	0.917	0.00	18.17	1.08
0.933	0.00	0.933	0.00	18.17	1.08	0.933	0.00	18.17	1.08
0.950	0.00	0.950	0.00	18.17	1.08	0.950	0.00	18.17	1.08
0.967	0.00	0.967	0.00	18.17	1.08	0.967	0.00	18.17	1.08
0.983	0.00	0.983	0.00	18.17	1.08	0.983	0.00	18.17	1.08
1.000	0.00	1.000	0.00	18.17	1.08	1.000	0.00	18.17	1.08
1.017	0.00	1.017	0.00	18.17	1.08	1.017	0.00	18.17	1.08
1.033	0.00	1.033	0.00	18.17	1.08	1.033	0.00	18.17	1.08
1.050	0.00	1.050	0.00	18.17	1.08	1.050	0.00	18.17	1.08
1.067	0.00	1.067	0.00	18.17	1.08	1.067	0.00	18.17	1.08
1.083	0.00	1.083	0.00	18.17	1.08	1.083	0.00	18.17	1.08
1.100	0.00	1.100	0.00	18.17	1.08	1.100	0.00	18.17	1.08
1.117	0.00	1.117	0.00	18.17	1.08	1.117	0.00	18.17	1.08
1.133	0.00	1.133	0.00	18.17	1.08	1.133	0.00	18.17	1.08
1.150	0.00	1.150	0.00	18.17	1.08	1.150	0.00	18.17	1.08
1.167	0.00	1.167	0.00	18.17	1.08	1.167	0.00	18.17	1.08
1.183	0.00	1.183	0.00	18.17	1.08	1.183	0.00	18.17	1.08
1.200	0.00	1.200	0.00	18.17	1.08	1.200	0.00	18.17	1.08
1.217	0.00	1.217	0.00	18.17	1.08	1.217	0.00	18.17	1.08
1.233	0.00	1.233	0.00	18.17	1.08	1.233	0.00	18.17	1.08
1.250	0.00	1.250	0.00	18.17	1.08	1.250	0.00	18.17	1.08
1.267	0.00	1.267	0.00	18.17	1.08	1.267	0.00	18.17	1.08
1.283	0.00	1.283	0.00	18.17	1.08	1.283	0.00	18.17	1.08
1.300	0.00	1.300	0.00	18.17	1.08	1.300	0.00	18.17	1.08
1.317	0.00	1.317	0.00	18.17	1.08	1.317	0.00	18.17	1.08
1.333	0.00	1.333	0.00	18.17	1.08	1.333	0.00	18.17	1.08
1.350	0.00	1.350	0.00	18.17	1.08	1.350	0.00	18.17	1.08
1.367	0.00	1.367	0.00	18.17	1.08	1.367	0.00	18.17	1.08
1.383	0.00	1.383	0.00	18.17	1.08	1.383	0.00	18.17	1.08
1.400	0.00	1.400	0.00	18.17	1.08	1.400	0.00	18.17	1.08
1.417	0.00	1.417	0.00	18.17	1.08	1.417	0.00	18.17	1.08
1.433	0.00	1.433	0.00	18.17	1.08	1.433	0.00	18.17	1.08
1.450	0.00	1.450	0.00	18.17	1.08	1.450	0.00	18.17	1.08
1.467	0.00	1.467	0.00	18.17	1.08	1.467	0.00	18.17	1.08
1.483	0.00	1.483	0.00	18.17	1.08	1.483	0.00	18.17	1.08
1.500	0.00	1.500	0.00	18.17	1.08	1.500	0.00	18.17	1.08
1.517	0.00	1.517	0.00	18.17	1.08	1.517	0.00	18.17	1.08
1.533	0.00	1.533	0.00	18.17	1.08	1.533	0.00	18.17	1.08
1.550	0.00	1.550	0.00	18.17	1.08	1.550	0.00	18.17	1.08
1.567	0.00	1.567	0.00	18.17	1.08	1.567	0.00	18.17	1.08
1.583	0.00	1.583	0.00	18.17	1.08	1.583	0.00	18.17	1.08
1.600	0.00	1.600	0.00	18.17	1.08	1.600	0.00	18.17	1.08
1.617	0.00	1.617	0.00	18.17	1.08	1.617	0.00	18.17	1.08
1.633	0.00	1.633	0.00	18.17	1.08	1.633	0.00	18.17	1.08
1.650	0.00	1.650	0.00	18.17	1.08	1.650	0.00	18.17	1.08
1.667	0.00	1.667	0.00	18.17	1.08	1.667	0.00	18.17	1.08
1.683	0.00	1.683	0.00	18.17	1.08	1.683	0.00	18.17	1.08
1.700	0.00	1.700	0.00	18.17	1.08	1.700	0.00	18.17	1.08
1.717	0.00	1.717	0.00	18.17	1.08	1.717	0.00	18.17	1.08
1.733	0.00	1.733	0.00	18.17	1.08	1.733	0.00	18.17	1.08
1.750	0.00	1.750	0.00	18.17	1.08	1.750	0.00	18.17	1.08
1.767	0.00	1.767	0.00	18.17	1.08	1.767	0.00	18.17	1.08
1.783	0.00	1.783	0.00	18.17	1.08	1.783	0.00	18.17	1.08
1.800	0.00	1.800	0.00	18.17	1.08	1.800	0.00	18.17	1.08
1.817	0.00	1.817	0.00	18.17	1.08	1.817	0.00	18.17	1.08
1.833	0.00	1.833	0.00	18.17	1.08	1.833	0.00	18.17	1.08
1.850	0.00	1.850	0.00	18.17	1.08	1.850	0.00	18.17	1.08
1.867	0.00	1.867	0.00	18.17	1.08	1.867	0.00	18.17	1.08
1.883	0.00	1.883	0.00	18.17	1.08	1.883	0.00	18.17	1.08
1.900	0.00	1.900	0.00	18.17	1.08	1.900	0.00	18.17	1.08
1.917	0.00	1.917	0.00	18.17	1.08	1.917	0.00	18.17	1.08
1.933	0.00	1.933	0.00	18.17	1.08	1.933	0.00	18.17	1.08
1.950	0.00	1.950	0.00	18.17	1.08	1.950	0.00	18.17	1.08
1.967	0.00	1.967	0.00	18.17	1.08	1.967	0.00	18.17	1.08
1.983	0.00	1.983	0.00	18.17	1.08	1.983	0.00	18.17	1.08
2.000	0.00	2.000	0.00	18.17	1.08	2.000	0.00	18.17	1.08
2.017	0.00	2.017	0.00	18.17	1.08	2.017	0.00	18.17	1.08
2.033	0.00	2.033	0.00	18.17	1.08	2.033	0.00	18.17	1.08
2.050	0.00	2.050	0.00	18.17	1.08	2.050	0.00	18.17	1.08
2.067	0.00	2.067	0.00	18.					

2.667	0.78	8.717	1.67	14.767	1.79	20.82	0.72	3.733	0.78	9.783	2.15	15.833	1.79	21.88	0.72
2.683	0.78	8.733	1.67	14.783	1.79	20.83	0.72	3.750	0.78	9.800	2.15	15.850	1.79	21.89	0.72
2.700	0.78	8.750	1.67	14.800	1.79	20.84	0.72	3.766	0.78	9.816	2.15	15.866	1.79	21.90	0.72
2.717	0.78	8.767	1.67	14.817	1.79	20.87	0.72	3.783	0.78	9.833	2.15	15.883	1.79	21.93	0.72
2.733	0.78	8.783	1.67	14.833	1.79	20.88	0.72	3.800	0.78	9.850	2.15	15.900	1.79	21.95	0.72
2.750	0.78	8.800	1.67	14.850	1.79	20.90	0.72	3.816	0.78	9.866	2.15	15.916	1.79	21.97	0.72
2.767	0.78	8.817	1.67	14.867	1.79	20.92	0.72	3.833	0.78	9.883	2.15	15.933	1.79	21.98	0.72
2.783	0.78	8.833	1.67	14.883	1.79	20.93	0.72	3.850	0.78	9.900	2.15	15.950	1.79	22.00	0.72
2.800	0.78	8.850	1.67	14.900	1.79	20.94	0.72	3.866	0.78	9.916	2.15	15.966	1.79	22.01	0.72
2.817	0.78	8.867	1.67	14.917	1.79	20.97	0.72	3.883	0.78	9.933	2.15	15.983	1.79	22.02	0.72
2.833	0.78	8.883	1.67	14.933	1.79	20.98	0.72	3.900	0.78	9.950	2.15	16.000	1.79	22.05	0.72
2.850	0.78	8.900	1.67	14.950	1.79	21.00	0.72	3.917	0.78	9.967	2.15	16.017	1.79	22.07	0.72
2.867	0.78	8.917	1.67	14.967	1.79	21.01	0.72	3.933	0.78	9.983	2.15	16.033	1.79	22.08	0.72
2.883	0.78	8.933	1.67	14.983	1.79	21.03	0.72	3.950	0.78	10.000	2.15	16.050	1.79	22.10	0.72
2.900	0.78	8.950	1.67	15.000	1.79	21.05	0.72	3.967	0.78	10.017	2.15	16.067	1.79	22.12	0.72
2.917	0.78	8.967	1.67	15.017	1.79	21.10	0.72	3.983	0.78	10.033	2.15	16.083	1.79	22.14	0.72
2.933	0.78	8.983	1.67	15.033	1.79	21.08	0.72	4.000	0.78	10.050	2.15	16.100	1.79	22.15	0.72
2.950	0.78	8.999	1.67	15.050	1.79	21.10	0.72	4.017	0.78	10.067	2.15	16.117	1.79	22.17	0.72
2.967	0.78	9.017	1.67	15.067	1.79	21.13	0.72	4.033	0.78	10.083	2.15	16.133	1.79	22.20	0.72
2.983	0.78	9.033	1.67	15.083	1.79	21.15	0.72	4.050	0.78	10.100	2.15	16.150	1.79	22.22	0.72
2.999	0.78	9.050	1.67	15.100	1.79	21.15	0.72	4.067	0.78	10.117	2.15	16.167	1.79	22.22	0.72
3.017	0.78	9.067	1.67	15.117	1.79	21.16	0.72	4.083	0.78	10.133	2.15	16.183	1.79	22.23	0.72
3.033	0.78	9.083	1.67	15.133	1.79	21.18	0.72	4.100	0.78	10.150	2.15	16.200	1.79	22.25	0.72
3.050	0.78	9.100	1.67	15.150	1.79	21.20	0.72	4.117	0.78	10.167	2.15	16.217	1.79	22.27	0.72
3.067	0.78	9.117	1.67	15.167	1.79	21.23	0.72	4.133	0.78	10.183	2.15	16.233	1.79	22.27	0.72
3.083	0.78	9.133	1.67	15.183	1.79	21.23	0.72	4.150	0.78	10.200	2.15	16.250	1.79	22.28	0.72
3.100	0.78	9.150	1.67	15.200	1.79	21.25	0.72	4.167	0.78	10.217	2.15	16.267	1.79	22.32	0.72
3.117	0.78	9.167	1.67	15.217	1.79	21.27	0.72	4.183	0.78	10.233	2.15	16.283	1.79	22.33	0.72
3.133	0.78	9.183	1.67	15.233	1.79	21.32	0.72	4.200	0.78	10.250	2.15	16.300	1.79	22.33	0.72
3.150	0.78	9.200	1.67	15.250	1.79	21.30	0.72	4.217	0.78	10.267	2.15	16.317	1.79	22.37	0.72
3.167	0.78	9.217	1.67	15.267	1.79	21.32	0.72	4.233	0.78	10.283	2.15	16.333	1.79	22.38	0.72
3.183	0.78	9.233	1.67	15.283	1.79	21.35	0.72	4.250	0.78	10.300	2.15	16.350	1.79	22.42	0.72
3.200	0.78	9.250	1.67	15.300	1.79	21.35	0.72	4.267	0.78	10.317	2.15	16.367	1.79	22.42	0.72
3.217	0.78	9.267	1.67	15.317	1.79	21.37	0.72	4.283	0.78	10.333	2.15	16.383	1.79	22.43	0.72
3.233	0.78	9.283	1.67	15.333	1.79	21.42	0.72	4.300	0.78	10.350	2.15	16.400	1.79	22.47	0.72
3.250	0.78	9.300	1.67	15.350	1.79	21.40	0.72	4.317	0.78	10.367	2.15	16.417	1.79	22.47	0.72
3.267	0.78	9.317	1.67	15.367	1.79	21.42	0.72	4.333	0.78	10.383	2.15	16.433	1.79	22.48	0.72
3.283	0.78	9.333	1.67	15.383	1.79	21.45	0.72	4.350	0.78	10.400	2.15	16.450	1.79	22.49	0.72
3.300	0.78	9.350	1.67	15.400	1.79	21.45	0.72	4.367	0.78	10.417	2.15	16.467	1.79	22.52	0.72
3.317	0.78	9.367	1.67	15.417	1.79	21.47	0.72	4.383	0.78	10.433	2.15	16.483	1.79	22.53	0.72
3.333	0.78	9.383	1.67	15.433	1.79	21.49	0.72	4.400	0.78	10.450	2.15	16.500	1.79	22.57	0.72
3.350	0.78	9.400	1.67	15.450	1.79	21.49	0.72	4.417	0.78	10.467	2.15	16.517	1.79	22.57	0.72
3.367	0.78	9.417	1.67	15.467	1.79	21.52	0.72	4.433	0.78	10.483	2.15	16.533	1.79	22.58	0.72
3.383	0.78	9.433	1.67	15.483	1.79	21.55	0.72	4.450	0.78	10.500	2.15	16.550	1.79	22.59	0.72
3.400	0.78	9.450	1.67	15.500	1.79	21.55	0.72	4.467	0.78	10.517	2.15	16.567	1.79	22.59	0.72
3.417	0.78	9.467	1.67	15.517	1.79	21.57	0.72	4.483	0.78	10.533	2.15	16.583	1.79	22.63	0.72
3.433	0.78	9.483	1.67	15.533	1.79	21.58	0.72	4.500	0.78	10.550	2.15	16.600	1.79	22.65	0.72
3.450	0.78	9.500	1.67	15.550	1.79	21.62	0.72	4.517	0.78	10.567	2.15	16.617	1.79	22.65	0.72
3.467	0.78	9.517	1.67	15.567	1.79	21.62	0.72	4.533	0.78	10.583	2.15	16.633	1.79	22.68	0.72
3.483	0.78	9.533	1.67	15.583	1.79	21.63	0.72	4.550	0.78	10.600	2.15	16.650	1.79	22.70	0.72
3.500	0.78	9.550	1.67	15.600	1.79	21.63	0.72	4.567	0.78	10.617	2.15	16.667	1.79	22.70	0.72
3.517	0.78	9.567	1.67	15.617	1.79	21.67	0.72	4.583	0.78	10.633	2.15	16.683	1.79	22.73	0.72
3.533	0.78	9.583	1.67	15.633	1.79	21.68	0.72	4.600	0.78	10.650	2.15	16.700	1.79	22.75	0.72
3.550	0.78	9.600	1.67	15.650	1.79	21.72	0.72	4.617	0.78	10.667	2.15	16.717	1.79	22.78	0.72
3.567	0.78	9.617	1.67	15.667	1.79	21.72	0.72	4.633	0.78	10.683	2.15	16.733	1.79	22.78	0.72
3.583	0.78	9.633	1.67	15.683	1.79	21.73	0.72	4.650	0.78	10.700	2.15	16.750	1.79	22.80	0.72
3.600	0.78	9.650	1.67	15.700	1.79	21.77	0.72	4.667	0.78	10.717	2.15	16.767	1.79	22.83	0.72
3.617	0.78	9.667	1.67	15.717	1.79	21.77	0.72	4.683	0.78	10.733	2.15	16.783	1.79	22.83	0.72
3.633	0.78	9.683	1.67	15.733	1.79	21.78	0.72	4.700	0.78	10.750	2.15	16.800	1.79	22.85	0.72
3.650	0.78	9.700	1.67	15.750	1.79	21.78	0.72	4.717	0.78	10.767	2.15	16.817	1.79	22.86	0.72
3.667	0.78	9.717	1.67	15.767	1.79	21.82	0.72	4.733	0.78	10.783	2.15	16.833	1.79	22.86	0.72
3.683	0.78	9.733	1.67	15.783	1.79	21.83	0.72	4.750	0.78	10.800	2.15	16.850	1.79	22.89	0.72
3.700	0.78	9.750	1.67	15.800	1.79	21.85	0.72	4.767	0.78	10.817	2.15	16.867	1.79	22.92	0.72
3.717	0.78	9.767	1.67	15.817	1.79	21.87	0.72	4.783	0.78	10.833	2.15	16.883	1.79	22.92	0.72

37

4.800	0.96	10.850	3.71	16.900	1.68	22.95	0.72	5.867	0.96	11.917	45.43	17.967	1.68	24.92	0.72
4.817	0.96	10.867	3.71	16.917	1.68	22.97	0.72	5.883	0.96	11.933	45.43	17.983	1.68	24.93	0.72
4.833	0.96	10.883	3.71	16.933	1.68	23.00	0.72	5.900	0.96	11.950	45.43	18.000	1.68	24.97	0.72
4.850	0.96	10.900	3.71	16.950	1.68	23.02	0.72	5.917	0.96	11.967	45.43	18.017	1.68	24.97	0.72
4.867	0.96	10.917	3.71	16.967	1.68	23.06	0.72	5.933	0.96	11.983	45.43	18.033	1.68	24.98	0.72
4.883	0.96	10.933	3.71	16.983	1.68	23.06	0.72	5.950	0.96	12.000	45.43	18.050	1.68	24.98	0.72
4.900	0.96	10.950	3.71	17.000	1.68	23.07	0.72	5.967	0.96	12.017	45.43	18.067	1.68	24.98	0.72
4.917	0.96	10.967	3.71	17.017	1.68	23.07	0.72	5.983	0.96	12.033	45.43	18.083	1.68	24.98	0.72
4.933	0.96	10.983	3.71	17.033	1.68	23.10	0.72	5.999	0.96	12.050	45.43	18.100	1.68	24.98	0.72
4.950	0.96	11.000	3.71	17.050	1.68	23.12	0.72	6.017	0.96	12.067	45.43	18.117	1.68	24.98	0.72
4.967	0.96	11.017	3.71	17.067	1.68	23.12	0.72	6.033	0.96	12.083	45.43	18.133	1.68	24.98	0.72
4.983	0.96	11.033	3.71	17.083	1.68	23.13	0.72	6.050	0.96	12.100	45.43	18.150	1.68	24.98	0.72
5.000	0.96	11.050	3.71	17.100	1.68	23.15	0.72	6.067	0.96	12.117	45.43	18.167	1.68	24.98	0.72
5.017	0.96	11.067	3.71	17.117	1.68	23.18	0.72	6.083	0.96	12.133	45.43	18.183	1.68	24.98	0.72
5.033	0.96	11.083	3.71	17.133	1.68	23.18	0.72	6.100	0.96	12.150	45.43	18.200	1.68	24.98	0.72
5.050	0.96	11.100	3.71	17.150	1.68	23.20	0.72	6.117	0.96	12.167	45.43	18.217	1.68	24.98	0.72
5.067	0.96	11.117	3.71	17.167	1.68	23.22	0.72	6.133	0.96	12.183	45.43	18.233	1.68	24.98	0.72
5.083	0.96	11.133	3.71	17.183	1.68	23.23	0.72	6.150	0.96	12.200	45.43	18.250	1.68	24.98	0.72
5.100	0.96	11.150	3.71	17.200	1.68	23.25	0.72	6.167	0.96	12.217	45.43	18.267	1.68	24.98	0.72
5.117	0.96	11.167	3.71	17.217	1.68	23.27	0.72	6.183	0.96	12.233	45.43	18.283	1.68	24.98	0.72
5.133	0.96	11.183	3.71	17.233	1.68	23.28	0.72	6.200	0.96	12.250	45.43	18.300	1.68	24.98	0.72
5.150	0.96	11.200	3.71	17.250	1.68	23.30	0.72	6.217	0.96	12.267	45.43	18.317	1.68	24.98	0.72
5.167	0.96	11.217	3.71	17.267	1.68	23.32	0.72	6.233	0.96	12.283	45.43	18.333	1.68	24.98	0.72
5.183	0.96	11.233	3.71	17.283	1.68	23.33	0.72	6.250	0.96	12.300	45.43	18.350	1.68	24.98	0.72
5.200	0.96	11.250	3.71	17.300	1.68	23.35	0.72	6.267	0.96	12.317	45.43	18.367	1.68	24.98	0.72
5.217	0.96	11.267	3.71	17.317	1.68	23.37	0.72	6.283	0.96	12.333	45.43	18.383	1.68	24.98	0.72
5.233	0.96	11.283	3.71	17.333	1.68	23.40	0.72	6.300	0.96	12.350	45.43	18.400	1.68	24.98	0.72
5.250	0.96	11.300	3.71	17.350	1.68	23.42	0.72	6.317	0.96	12.367	45.43	18.417	1.68	24.98	0.72
5.267	0.96	11.317	3.71	17.367	1.68	23.45	0.72	6.333	0.96	12.383	45.43	18.433	1.68	24.98	0.72
5.283	0.96	11.333	3.71	17.383	1.68	23.47	0.72	6.350	0.96	12.400	45.43	18.450	1.68	24.98	0.72
5.300	0.96	11.350	3.71	17.400	1.68	23.48	0.72	6.367	0.96	12.417	45.43	18.467	1.68	24.98	0.72

Max. Eff. Inter. (mm/hr) = 73.16

Storage Cap. (mm) = 5.98

Unit Hyd. Peak (cms) = 0.35

90.11

(11)

7.69

PEAK FLOW (cms) = 0.91

TIME TO PEAK (hrs) = 12.17

TOTAL RAINFALL (mm) = 59.77

RUNOFF COEFFICIENT = 0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.69

9.01

12.18

59.77

0.98

7.

VW I SSSSS UUUUU A A LLLLL
000 TTTT TTTT H H Y Y M M 000 TM
0 0 T T H H Y Y M M 0 0
0 0 T T H H Y Y M M 0 0
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** D E T A I L E D O U T P U T *****
Input filename: C:\Program Files (x86)\Visual ITHMO 6.2\VO2\vojn.dat

Output filename: C:\Users\me\LocalAppData\Local\Givica VHS\35c3f4b5-da77-4180-803e-ce7d90084a\ce6fc
807-7d4e-4409-0571-84735f72b394\Scen
Summary filename: C:\Users\me\LocalAppData\Local\Givica VHS\35c3f4b5-da77-4180-803e-ce7d90084a\ce6fc
807-7d4e-4409-0571-84735f72b394\Scen

DATE: 11/20/2024

USER: TIME: 08:56:03

COMMENTS: _____

** SIMULATION : 002 Year 3 Hour Chicago (St. ***

READ STORM
Filename: C:\Users\me\LocalAppData\Local\Givica VHS\35c3f4b5-da77-4180-803e-ce7d90084a\ce6fc
Comments: 002 Year 3 Hour Chicago (St. Chicago Lines)

TIME	RAIN	TIME	RAIN	TIME	RAIN
0.00	0.00	0.63	6.38	1.67	2.59
0.09	3.33	0.62	7.63	1.75	2.59
0.18	3.33	0.62	7.63	1.75	2.59
0.27	3.33	0.62	7.63	1.75	2.59
0.36	3.33	0.62	7.63	1.75	2.59
0.45	3.33	0.62	7.63	1.75	2.59
0.54	3.33	0.62	7.63	1.75	2.59
0.63	3.33	0.62	7.63	1.75	2.59
0.72	3.33	0.62	7.63	1.75	2.59
0.81	3.33	0.62	7.63	1.75	2.59
0.90	3.33	0.62	7.63	1.75	2.59
0.99	3.33	0.62	7.63	1.75	2.59
1.08	3.33	0.62	7.63	1.75	2.59
1.17	3.33	0.62	7.63	1.75	2.59
1.26	3.33	0.62	7.63	1.75	2.59
1.35	3.33	0.62	7.63	1.75	2.59
1.44	3.33	0.62	7.63	1.75	2.59
1.53	3.33	0.62	7.63	1.75	2.59
1.62	3.33	0.62	7.63	1.75	2.59
1.71	3.33	0.62	7.63	1.75	2.59
1.80	3.33	0.62	7.63	1.75	2.59
1.89	3.33	0.62	7.63	1.75	2.59
1.98	3.33	0.62	7.63	1.75	2.59
2.07	3.33	0.62	7.63	1.75	2.59
2.16	3.33	0.62	7.63	1.75	2.59
2.25	3.33	0.62	7.63	1.75	2.59
2.34	3.33	0.62	7.63	1.75	2.59
2.43	3.33	0.62	7.63	1.75	2.59
2.52	3.33	0.62	7.63	1.75	2.59
2.61	3.33	0.62	7.63	1.75	2.59
2.70	3.33	0.62	7.63	1.75	2.59
2.79	3.33	0.62	7.63	1.75	2.59
2.88	3.33	0.62	7.63	1.75	2.59
2.97	3.33	0.62	7.63	1.75	2.59
3.06	3.33	0.62	7.63	1.75	2.59
3.15	3.33	0.62	7.63	1.75	2.59
3.24	3.33	0.62	7.63	1.75	2.59
3.33	3.33	0.62	7.63	1.75	2.59
3.42	3.33	0.62	7.63	1.75	2.59
3.51	3.33	0.62	7.63	1.75	2.59
3.60	3.33	0.62	7.63	1.75	2.59
3.69	3.33	0.62	7.63	1.75	2.59
3.78	3.33	0.62	7.63	1.75	2.59
3.87	3.33	0.62	7.63	1.75	2.59
3.96	3.33	0.62	7.63	1.75	2.59
4.05	3.33	0.62	7.63	1.75	2.59
4.14	3.33	0.62	7.63	1.75	2.59
4.23	3.33	0.62	7.63	1.75	2.59
4.32	3.33	0.62	7.63	1.75	2.59
4.41	3.33	0.62	7.63	1.75	2.59
4.50	3.33	0.62	7.63	1.75	2.59
4.59	3.33	0.62	7.63	1.75	2.59
4.68	3.33	0.62	7.63	1.75	2.59
4.77	3.33	0.62	7.63	1.75	2.59
4.86	3.33	0.62	7.63	1.75	2.59
4.95	3.33	0.62	7.63	1.75	2.59
5.04	3.33	0.62	7.63	1.75	2.59
5.13	3.33	0.62	7.63	1.75	2.59
5.22	3.33	0.62	7.63	1.75	2.59
5.31	3.33	0.62	7.63	1.75	2.59
5.40	3.33	0.62	7.63	1.75	2.59
5.49	3.33	0.62	7.63	1.75	2.59
5.58	3.33	0.62	7.63	1.75	2.59
5.67	3.33	0.62	7.63	1.75	2.59
5.76	3.33	0.62	7.63	1.75	2.59
5.85	3.33	0.62	7.63	1.75	2.59
5.94	3.33	0.62	7.63	1.75	2.59
6.03	3.33	0.62	7.63	1.75	2.59
6.12	3.33	0.62	7.63	1.75	2.59
6.21	3.33	0.62	7.63	1.75	2.59
6.30	3.33	0.62	7.63	1.75	2.59
6.39	3.33	0.62	7.63	1.75	2.59
6.48	3.33	0.62	7.63	1.75	2.59
6.57	3.33	0.62	7.63	1.75	2.59
6.66	3.33	0.62	7.63	1.75	2.59
6.75	3.33	0.62	7.63	1.75	2.59
6.84	3.33	0.62	7.63	1.75	2.59
6.93	3.33	0.62	7.63	1.75	2.59
7.02	3.33	0.62	7.63	1.75	2.59
7.11	3.33	0.62	7.63	1.75	2.59
7.20	3.33	0.62	7.63	1.75	2.59
7.29	3.33	0.62	7.63	1.75	2.59
7.38	3.33	0.62	7.63	1.75	2.59
7.47	3.33	0.62	7.63	1.75	2.59
7.56	3.33	0.62	7.63	1.75	2.59
7.65	3.33	0.62	7.63	1.75	2.59
7.74	3.33	0.62	7.63	1.75	2.59
7.83	3.33	0.62	7.63	1.75	2.59
7.92	3.33	0.62	7.63	1.75	2.59
8.01	3.33	0.62	7.63	1.75	2.59
8.10	3.33	0.62	7.63	1.75	2.59
8.19	3.33	0.62	7.63	1.75	2.59
8.28	3.33	0.62	7.63	1.75	2.59
8.37	3.33	0.62	7.63	1.75	2.59
8.46	3.33	0.62	7.63	1.75	2.59
8.55	3.33	0.62	7.63	1.75	2.59
8.64	3.33	0.62	7.63	1.75	2.59
8.73	3.33	0.62	7.63	1.75	2.59
8.82	3.33	0.62	7.63	1.75	2.59
8.91	3.33	0.62	7.63	1.75	2.59
9.00	3.33	0.62	7.63	1.75	2.59
9.09	3.33	0.62	7.63	1.75	2.59
9.18	3.33	0.62	7.63	1.75	2.59
9.27	3.33	0.62	7.63	1.75	2.59
9.36	3.33	0.62	7.63	1.75	2.59
9.45	3.33	0.62	7.63	1.75	2.59
9.54	3.33	0.62	7.63	1.75	2.59
9.63	3.33	0.62	7.63	1.75	2.59
9.72	3.33	0.62	7.63	1.75	2.59
9.81	3.33	0.62	7.63	1.75	2.59
9.90	3.33	0.62	7.63	1.75	2.59
9.99	3.33	0.62	7.63	1.75	2.59
10.08	3.33	0.62	7.63	1.75	2.59
10.17	3.33	0.62	7.63	1.75	2.59
10.26	3.33	0.62	7.63	1.75	2.59
10.35	3.33	0.62	7.63	1.75	2.59
10.44	3.33	0.62	7.63	1.75	2.59
10.53	3.33	0.62	7.63	1.75	2.59
10.62	3.33	0.62	7.63	1.75	2.59
10.71	3.33	0.62	7.63	1.75	2.59
10.80	3.33	0.62	7.63	1.75	2.59
10.89	3.33	0.62	7.63	1.75	2.59
10.98	3.33	0.62	7.63	1.75	2.59
11.07	3.33	0.62	7.63	1.75	2.59
11.16	3.33	0.62	7.63	1.75	2.59
11.25	3.33	0.62	7.63	1.75	2.59
11.34	3.33	0.62	7.63	1.75	2.59
11.43	3.33	0.62	7.63	1.75	2.59
11.52	3.33	0.62	7.63	1.75	2.59
11.61	3.33	0.62	7.63	1.75	2.59
11.70	3.33	0.62	7.63	1.75	2.59
11.79	3.33	0.62	7.63	1.75	2.59
11.88	3.33	0.62	7.63	1.75	2.59
11.97	3.33	0.62	7.63	1.75	2.59
12.06	3.33	0.62	7.63	1.75	2.59
12.15	3.33	0.62	7.63	1.75	2.59
12.24	3.33	0.62	7.63	1.75	2.59
12.33	3.33	0.62	7.63	1.75	2.59
12.42	3.33	0.62	7.63	1.75	2.59
12.51	3.33	0.62	7.63	1.75	2.59
12.60	3.33	0.62	7.63	1.75	2.59
12.69	3.33	0.62	7.63	1.75	2.59
12.78	3.33	0.62	7.63	1.75	2.59
12.87	3.33	0.62	7.63	1.75	2.59
12.96	3.33	0.62	7.63	1.75	2.59
13.05	3.33	0.62	7.63	1.75	2.59
13.14	3.33	0.62	7.63	1.75	2.59
13.23	3.33	0.62	7.63	1.75	2.59
13.32	3.33	0.62	7.63	1.75	2.59
13.41	3.33	0.62	7.63	1.75	2.59
13.50	3.33	0.62	7.63	1.75	2.59
13.59	3.33	0.62	7.63	1.75	2.59
13.68	3.33	0.62	7.63	1.75	2.59
13.77	3.33	0.62	7.63	1.75	2.59
13.86	3.33	0.62	7.63	1.75	2.59
13.95	3.33	0.62	7.63	1.75	2.59
14.04	3.33	0.62	7.63	1.75	2.59
14.13	3.33	0.62	7.63	1.75	2.59
14.22	3.33	0.62	7.63	1.75	2.59
14.31	3.33	0.62	7.63	1.75	2.59
14.40	3.33	0.62	7.63	1.75	2.59
14.49	3.33	0.62	7.63	1.75	2.59
14.58	3.33	0.62	7.63	1.75	2.59
14.67	3.33	0.62	7.63	1.75	2.59
14.76	3.33	0.62	7.63	1.75	2.59
14.85	3.33	0.62	7.63	1.75	2.59
14.94	3.33	0.62	7.63	1.75	2.59
15.03	3.33	0.62	7.63	1.75	2.59
15.12	3.33	0.62	7.63	1.75	2.59
15.21	3.33	0.62	7.63	1.75	2.59
15.30	3.33	0.62	7.63	1.75	2.59
15.39	3.33	0.62	7.63	1.75	2.59
15.48	3.33	0.62	7.63	1.75	2.59
15.57	3.33	0.62	7.63	1.75	2.59
15.66	3.33	0.62	7.63	1.75	2.59
15.75	3.33	0.62	7.63	1.75	2.59
15.84	3.33	0.62	7.63	1.75	2.59
15.93	3.33	0.62	7.63	1.75	2.59
16.02	3.33	0.62	7.63	1.75	2.59
16.11	3.33	0.62	7.63	1.75	2.59
16.20	3.33	0.62	7.63	1.75	2.59
16.29	3.33	0.62	7.63	1.75	2.59
16.38	3.33	0.62	7.63	1.75	2.59
16.47	3.33	0.62	7.63	1.75	2.59
16.56	3.33	0.62	7.63	1.75	2.59
16.65	3.33	0.62	7.63	1.75	2.59
16.74	3.33	0.62	7.63	1.75	2.59
16.83	3.33	0.62	7.63	1.75	2.59
16.92	3.33	0.62	7.63	1.75	2.59
17.01	3.33	0.62	7.63	1.75	2.59
17.10	3.33	0.62	7.63	1.75	2.59
17.19	3.33	0.62	7.63	1.75	2.59
17.28	3.33	0.62	7.63	1.75	2.59
17.37	3.33	0.62	7.63	1.75	2.59
17.46	3.33	0.62	7.63	1.75	2.59
17.55	3.33	0.62	7.63	1.75	2.59
17.64	3.33	0.62	7.63	1.75	2.59
17.73	3.33	0.62	7.63	1.75	2.59
17.82	3.33	0.62	7.63	1.75	2.59
17.91	3.33	0.62	7.63	1.75	2.59
18.00	3.33	0.62	7.63	1.75	2.59
18.09	3.33	0.62	7.63	1.75	2.59
18.18	3.33	0.62	7.63	1.75	2.59
18.27	3.33	0.62	7.63	1.75	2.59
18.36	3.33	0.62	7.63	1.75	2.59
18.45	3.33	0.62	7.63	1.75	2.59
18.54	3.33	0.62	7.63	1.75	2.59
18.63	3.33	0.62	7.63	1.75	2.59
18.72	3.33	0.62	7.63	1.75	2.59
18.81	3.33	0.62	7.63	1.75	2.59
18.90	3.33	0.62	7.63	1.75	2.59
1					

0.660	4.96	1.383	55.57	2.167	6.29	2.95	3.31
0.617	4.96	1.409	55.57	2.183	5.72	2.97	3.31
0.659	4.96	1.433	72.37	2.217	5.72	3.00	3.31
0.667	4.96	1.459	72.37	2.233	5.72	3.02	3.17
0.708	5.43	1.483	72.37	2.269	5.76	3.05	3.17
0.717	5.43	1.509	72.37	2.283	5.26	3.07	3.17
0.759	5.43	1.533	29.76	2.319	5.26	3.08	3.17
0.767	6.06	1.559	29.76	2.333	5.26		
0.783	6.06	1.567	29.76	2.350	4.88		
Max Eff. Inten. (mm/hr) = 72.37 88.88							
Storage Coeff. over (min) = 5.98 (11)							
Unit Hyd. Trunk (min) = 5.98 (11)							
Unit Hyd. Trunk (min) = 5.98 (11)							
PEAK FLOW (cms) = 0.43							
TIME TO PEAK (hrs) = 1.57							
TOTAL RAINFALL (mm) = 32.67							
RUNOFF COEFFICIENT = 0.97							
(1) CN PROCEDURE SELECTED FOR PREVIOUS LOSSES:							
CN 80.0 (11) DEP. STORAGE (ADJ.)							
(11) THAN THE STORAGE COEFF. IS SMALLER THAN THE TIME STEP:							
(111) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.							
NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.							

CALIB. STADHYD (0266)							
ID= 1 DT= 1.0 min				Area (ha) = 1.53			
Total Imp(%) = 60.00				DIR. Conn. (%) = 1.00			
SURFACE AREA (ha) = 1.53							
IMPERVIOUS PERVIOUS (1) = 0.76							
SURFACE SLOPE (%) = 1.00							
LENGTH (m) = 5.00							
MANNING'S n = 0.013							
NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.							
TRANSFORMED HYETOGRAPH							
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
0.017	0.00	0.00	0.00	1.53	29.76	2.37	4.88
0.033	0.00	0.00	0.00	1.69	18.68	2.38	4.88
0.067	0.00	0.00	0.00	1.83	18.68	2.42	4.88
0.083	0.00	0.00	0.00	1.83	18.68	2.42	4.88
0.117	0.00	0.00	0.00	1.83	18.68	2.42	4.88
0.133	0.00	0.00	0.00	1.83	18.68	2.42	4.88
0.167	0.00	0.00	0.00	1.83	18.68	2.42	4.88
0.183	0.00	0.00	0.00	1.83	18.68	2.42	4.88
0.200	0.00	0.00	0.00	1.83	18.68	2.42	4.88
0.217	0.00	0.00	0.00	1.83	18.68	2.42	4.88

45

0.233	3.52	1.017	9.30	1.000	10.95	2.58	4.27
0.269	3.52	1.033	9.30	1.017	10.95	2.59	4.03
0.300	3.52	1.050	9.30	1.033	10.95	2.60	4.03
0.333	3.52	1.067	9.30	1.050	10.95	2.61	4.03
0.369	3.52	1.083	9.30	1.067	10.95	2.62	4.03
0.400	3.52	1.100	9.30	1.083	10.95	2.63	4.03
0.433	3.52	1.117	9.30	1.100	10.95	2.64	4.03
0.467	3.52	1.133	9.30	1.117	10.95	2.65	4.03
0.500	3.52	1.150	9.30	1.133	10.95	2.66	4.03
0.533	3.52	1.167	9.30	1.150	10.95	2.67	4.03
0.567	3.52	1.183	9.30	1.167	10.95	2.68	4.03
0.600	3.52	1.200	9.30	1.183	10.95	2.69	4.03
0.633	3.52	1.217	9.30	1.200	10.95	2.70	4.03
0.667	3.52	1.233	9.30	1.217	10.95	2.71	4.03
0.700	3.52	1.250	9.30	1.233	10.95	2.72	4.03
0.733	3.52	1.267	9.30	1.250	10.95	2.73	4.03
0.767	3.52	1.283	9.30	1.267	10.95	2.74	4.03
0.800	3.52	1.300	9.30	1.283	10.95	2.75	4.03
0.833	3.52	1.317	9.30	1.300	10.95	2.76	4.03
0.867	3.52	1.333	9.30	1.317	10.95	2.77	4.03
0.900	3.52	1.350	9.30	1.333	10.95	2.78	4.03
0.933	3.52	1.367	9.30	1.350	10.95	2.79	4.03
0.967	3.52	1.383	9.30	1.367	10.95	2.80	4.03
1.000	3.52	1.400	9.30	1.383	10.95	2.81	4.03
1.033	3.52	1.417	9.30	1.400	10.95	2.82	4.03
1.067	3.52	1.433	9.30	1.417	10.95	2.83	4.03
1.100	3.52	1.450	9.30	1.433	10.95	2.84	4.03
1.133	3.52	1.467	9.30	1.450	10.95	2.85	4.03
1.167	3.52	1.483	9.30	1.467	10.95	2.86	4.03
1.200	3.52	1.500	9.30	1.483	10.95	2.87	4.03
1.233	3.52	1.517	9.30	1.500	10.95	2.88	4.03
1.267	3.52	1.533	9.30	1.517	10.95	2.89	4.03
1.300	3.52	1.550	9.30	1.533	10.95	2.90	4.03
1.333	3.52	1.567	9.30	1.550	10.95	2.91	4.03
1.367	3.52	1.583	9.30	1.567	10.95	2.92	4.03
1.400	3.52	1.600	9.30	1.583	10.95	2.93	4.03
1.433	3.52	1.617	9.30	1.600	10.95	2.94	4.03
1.467	3.52	1.633	9.30	1.617	10.95	2.95	4.03
1.500	3.52	1.650	9.30	1.633	10.95	2.96	4.03
1.533	3.52	1.667	9.30	1.650	10.95	2.97	4.03
1.567	3.52	1.683	9.30	1.667	10.95	2.98	4.03
1.600	3.52	1.700	9.30	1.683	10.95	2.99	4.03
1.633	3.52	1.717	9.30	1.700	10.95	3.00	4.03
1.667	3.52	1.733	9.30	1.717	10.95	3.01	4.03
1.700	3.52	1.750	9.30	1.733	10.95	3.02	4.03
1.733	3.52	1.767	9.30	1.750	10.95	3.03	4.03
1.767	3.52	1.783	9.30	1.767	10.95	3.04	4.03
1.800	3.52	1.800	9.30	1.783	10.95	3.05	4.03
1.833	3.52	1.817	9.30	1.800	10.95	3.06	4.03
1.867	3.52	1.833	9.30	1.817	10.95	3.07	4.03
1.900	3.52	1.850	9.30	1.833	10.95	3.08	4.03
1.933	3.52	1.867	9.30	1.850	10.95	3.09	4.03
1.967	3.52	1.883	9.30	1.867	10.95	3.10	4.03
2.000	3.52	1.900	9.30	1.883	10.95	3.11	4.03
2.033	3.52	1.917	9.30	1.900	10.95	3.12	4.03
2.067	3.52	1.933	9.30	1.917	10.95	3.13	4.03
2.100	3.52	1.950	9.30	1.933	10.95	3.14	4.03
2.133	3.52	1.967	9.30	1.950	10.95	3.15	4.03
2.167	3.52	1.983	9.30	1.967	10.95	3.16	4.03
2.200	3.52	2.000	9.30	1.983	10.95	3.17	4.03
2.233	3.52	2.017	9.30	2.000	10.95	3.18	4.03
2.267	3.52	2.033	9.30	2.017	10.95	3.19	4.03
2.300	3.52	2.050	9.30	2.033	10.95	3.20	4.03
2.333	3.52	2.067	9.30	2.050	10.95	3.21	4.03
2.367	3.52	2.083	9.30	2.067	10.95	3.22	4.03
2.400	3.52	2.100	9.30	2.083	10.95	3.23	4.03
2.433	3.52	2.117	9.30	2.100	10.95	3.24	4.03
2.467	3.52	2.133	9.30	2.117	10.95	3.25	4.03
2.500	3.52	2.150	9.30	2.133	10.95	3.26	4.03
2.533	3.52	2.167	9.30	2.150	10.95	3.27	4.03
2.567	3.52	2.183	9.30	2.167	10.95	3.28	4.03
2.600	3.52	2.200	9.30	2.183	10.95	3.29	4.03
2.633	3.52	2.217	9.30	2.200	10.95	3.30	4.03
2.667	3.52	2.233	9.30	2.217	10.95	3.31	4.03
2.700	3.52	2.250	9.30	2.233	10.95	3.32	4.03
2.733	3.52	2.267	9.30	2.250	10.95	3.33	4.03
2.767	3.52	2.283	9.30	2.267	10.95	3.34	4.03
2.800	3.52	2.300	9.30	2.283	10.95	3.35	4.03
2.833	3.52	2.317	9.30	2.300	10.95	3.36	4.03
2.867	3.52	2.333	9.30	2.317	10.95	3.37	4.03
2.900	3.52	2.350	9.30	2.333	10.95	3.38	4.03
2.933	3.52	2.367	9.30	2.350	10.95	3.39	4.03
2.967	3.52	2.383	9.30	2.367	10.95	3.40	4.03
3.000	3.52	2.400	9.30	2.383	10.95	3.41	4.03
3.033	3.52	2.417	9.30	2.400	10.95	3.42	4.03
3.067	3.52	2.433	9.30	2.417	10.95	3.43	4.03
3.100	3.52	2.450	9.30	2.433	10.95	3.44	4.03
3.133	3.52	2.467	9.30	2.450	10.95	3.45	4.03
3.167	3.52	2.483	9.30	2.467	10.95	3.46	4.03
3.200	3.52	2.500	9.30	2.483	10.95	3.47	4.03
3.233	3.52	2.517	9.30	2.500	10.95	3.48	4.03
3.267	3.52	2.533	9.30	2.517	10.95	3.49	4.03
3.300	3.52	2.550	9.30	2.533	10.95	3.50	4.03
3.333	3.52	2.567	9.30	2.550	10.95	3.51	4.03
3.367	3.52	2.583	9.30	2.567	10.95	3.52	4.03
3.400	3.52	2.600	9.30	2.583	10.95	3.53	4.03
3.433	3.52	2.617	9.30	2.600	10.95	3.54	4.03
3.467	3.52	2.633	9.30	2.617	10.95	3.55	4.03
3.500	3.52	2.650	9.30	2.633	10.95	3.56	4.03
3.533	3.52	2.667	9.30	2.650	10.95	3.57	4.03
3.567	3.52	2.683	9.30	2.667	10.95	3.58	4.03
3.600	3.52	2.700	9.30	2.683	10.95	3.59	4.03
3.633	3.52	2.717	9.30	2.700	10.95	3.60	4.03
3.667	3.52	2.733	9.30	2.717	10.95	3.61	4.03
3.700	3.52	2.750	9.30	2.733	10.95	3.62	4.03
3.733	3.52	2.767	9.30	2.750	10.95	3.63	4.03
3.767	3.52	2.783	9.30	2.767	10.95	3.64	4.03
3.800	3.52	2.800	9.30	2.783	10.95	3.65	4.03
3.833	3.52	2.817	9.30	2.800	10.95	3.66	4.03
3.867	3.52	2.833	9.30	2.817	10.95	3.67	4.03
3.900	3.52	2.850	9.30	2.833	10.95	3.68	4.03
3.933	3.52	2.867	9.30	2.850	10.95	3.69	4.03
3.967	3.52	2.883	9.30	2.867	10.95	3.70	4.03
4.000	3.52	2.900	9.30	2.883	10.95	3.71	4.03
4.033	3.52	2.917	9.30	2.900	10.95	3.72	4.03
4.067	3.52	2.933	9.30	2.917	10.95	3.73	4.03
4.100	3.52	2.950	9.30	2.933	10.95	3.74	4.03
4.133	3.52	2.967	9.30	2.950	10.95	3.75	4.03
4.167	3.52	2.983	9.30	2.967	10.95	3.76	4.03
4.200	3.52	3.000	9.30	2.983	10.95	3.77	4.03
4.233	3.52	3.017	9.30	3.000	10.95	3.78	4.03
4.267	3.52	3.033	9.30	3.017	10.95	3.79	4.03
4.300	3.52	3.050	9.30	3.033	10.95	3.80	4.03
4.333	3.52	3.067	9.30	3.050	10.95	3.81	4.03
4.367	3.52	3.083	9.30	3.067	10.95	3.82	4.03
4.400	3.52	3.100	9.30	3.083	10.95	3.83	4.03
4.433	3.52	3.117	9.30	3.100	10.95	3.84	4.03
4.467	3.52	3.133	9.30	3.117	10.95	3.85	4.03
4.500	3.52	3.150	9.30	3.133	10.95	3.86	4.03
4.533	3.52	3.167	9.30	3.150	10.95	3.87	4.03
4.567	3.52	3.183	9.30	3.167	10.95	3.88	4.03
4.600	3.52	3.200	9.30	3.183	10.95	3.89	4.03
4.633	3.52	3.217	9.30	3.200	10.95	3.90	4.03
4.667	3.52	3.233	9.30	3.217	10.95	3.91	4.03
4.700	3.52	3.250	9.30	3.233	10.95	3.92	4.03
4.733	3.52	3.267	9.30	3.250	10.95	3.93	4.03
4.767	3.52	3.283	9.30	3.267	10.95	3.94	4.03
4.800	3.52	3.300	9.30	3.283	10.95	3.95	4.03
4.833	3.52	3.317	9.30	3.300	10.95	3.96	4.03
4.867	3.52	3.333	9.30	3.317	10.95	3.97	4.03
4.900	3.52	3.350	9.30	3.333	10.95	3.98	4.03
4.933	3.52	3.367	9.30	3.350	10.95	3.99	4.03
4.967	3.52	3.383	9.30	3.367	10.95	4.00	4.03
5.000	3.52	3.400	9.30	3.383	10.95	4.01	4.03
5.033	3.52	3.417	9.30	3.400	10.95	4.02	4.03
5.067	3.52	3.433	9.30	3.417	10.95	4.03	4.03
5.100	3.52	3.450	9.30	3.433	10.95	4.04	4.03
5.133	3.52	3.467	9.30	3.450	10.95	4.05	4.03
5.167	3.52	3.483	9.30	3.467	10.95	4.06	4.03
5.200	3.52	3.500	9.30	3.483	10.95	4.07	4.03
5.233	3.52	3.517	9.30	3.500	10.95	4.08	4.03
5.267	3.52	3.533	9.30	3.517	10.95	4.09	4.03
5.300	3.52	3.550	9.30	3.533	10.95	4.10	4.03
5.333	3.52	3.567	9.30	3.550	10.95	4.11	4.03
5.367	3.52	3.583	9.30	3.567	10.95		

STANDHYD (0263)	Area (ha) = 0.10	IMPervious	PERVIOUS (I)	Area (ha) = 0.06
ID= 1 DT= 1.0 min	Total Imp(%) = 60.00	1.00	2.00	1.00
		70.00	10.00	0.03
				0.250
Surface Area (mm) =				
Dep. Storage (mm) =				
Length (m) =				
Manning's n				

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

--- TRANSFORMED METEOR ---			--- TRANSFORMED METEOR ---		
TIME	RAIN	TIME	RAIN	TIME	RAIN
0.017	0.00	0.000	6.96	1.583	2.37
0.033	0.00	0.017	6.96	1.583	2.38
0.050	0.00	0.033	6.96	1.583	2.42
0.067	0.00	0.050	6.98	1.633	2.48
0.083	0.00	0.067	6.98	1.683	2.43
0.100	0.00	0.083	6.98	1.733	2.45
0.117	0.00	0.100	6.98	1.783	2.47
0.133	0.00	0.117	6.98	1.833	2.48
0.150	0.00	0.133	6.96	1.883	2.49
0.167	0.00	0.150	6.93	1.933	2.50
0.183	0.00	0.167	6.93	1.983	2.53
0.200	0.00	0.183	6.93	2.033	2.55
0.217	0.00	0.200	6.93	2.083	2.55
0.233	0.00	0.217	6.93	2.133	2.58
0.250	0.00	0.233	6.93	2.183	2.60
0.267	0.00	0.250	6.93	2.233	2.62
0.283	0.00	0.267	6.93	2.283	2.63
0.300	0.00	0.283	6.93	2.333	2.65
0.317	0.00	0.300	6.93	2.383	2.68
0.333	0.00	0.317	6.93	2.433	2.70
0.350	0.00	0.333	6.93	2.483	2.72
0.367	0.00	0.350	6.93	2.533	2.73
0.383	0.00	0.367	6.93	2.583	2.75
0.400	0.00	0.383	6.93	2.633	2.77
0.417	0.00	0.400	6.93	2.683	2.78
0.433	0.00	0.417	6.93	2.733	2.80
0.450	0.00	0.433	6.93	2.783	2.82
0.467	0.00	0.450	6.93	2.833	2.83
0.483	0.00	0.467	6.93	2.883	2.85
0.500	0.00	0.483	6.93	2.933	2.86
0.517	0.00	0.500	6.93	2.983	2.88
0.533	0.00	0.517	6.93	3.033	2.90
0.550	0.00	0.533	6.93	3.083	2.92
0.567	0.00	0.550	6.93	3.133	2.93
0.583	0.00	0.567	6.93	3.183	2.95
0.600	0.00	0.583	6.93	3.233	2.96
0.617	0.00	0.600	6.93	3.283	2.98
0.633	0.00	0.617	6.93	3.333	3.00
0.650	0.00	0.633	6.93	3.383	3.02
0.667	0.00	0.650	6.93	3.433	3.03
0.683	0.00	0.667	6.93	3.483	3.05
0.700	0.00	0.683	6.93	3.533	3.07
0.717	0.00	0.700	6.93	3.583	3.09
0.733	0.00	0.717	6.93	3.633	3.11
0.750	0.00	0.733	6.93	3.683	3.13
0.767	0.00	0.750	6.93	3.733	3.15
0.783	0.00	0.767	6.93	3.783	3.17
0.800	0.00	0.783	6.93	3.833	3.17
0.817	0.00	0.800	6.93	3.883	3.17
0.833	0.00	0.817	6.93	3.933	3.17
0.850	0.00	0.833	6.93	3.983	3.17
0.867	0.00	0.850	6.93	4.033	3.17
0.883	0.00	0.867	6.93	4.083	3.17
0.900	0.00	0.883	6.93	4.133	3.17
0.917	0.00	0.900	6.93	4.183	3.17
0.933	0.00	0.917	6.93	4.233	3.17
0.950	0.00	0.933	6.93	4.283	3.17
0.967	0.00	0.950	6.93	4.333	3.17
0.983	0.00	0.967	6.93	4.383	3.17
1.000	0.00	0.983	6.93	4.433	3.17
1.017	0.00	1.000	6.93	4.483	3.17
1.033	0.00	1.017	6.93	4.533	3.17
1.050	0.00	1.033	6.93	4.583	3.17
1.067	0.00	1.050	6.93	4.633	3.17
1.083	0.00	1.067	6.93	4.683	3.17
1.100	0.00	1.083	6.93	4.733	3.17
1.117	0.00	1.100	6.93	4.783	3.17
1.133	0.00	1.117	6.93	4.833	3.17
1.150	0.00	1.133	6.93	4.883	3.17
1.167	0.00	1.150	6.93	4.933	3.17
1.183	0.00	1.167	6.93	4.983	3.17
1.200	0.00	1.183	6.93	5.033	3.17
1.217	0.00	1.200	6.93	5.083	3.17
1.233	0.00	1.217	6.93	5.133	3.17
1.250	0.00	1.233	6.93	5.183	3.17
1.267	0.00	1.250	6.93	5.233	3.17
1.283	0.00	1.267	6.93	5.283	3.17
1.300	0.00	1.283	6.93	5.333	3.17
1.317	0.00	1.300	6.93	5.383	3.17
1.333	0.00	1.317	6.93	5.433	3.17
1.350	0.00	1.333	6.93	5.483	3.17
1.367	0.00	1.350	6.93	5.533	3.17
1.383	0.00	1.367	6.93	5.583	3.17
1.400	0.00	1.383	6.93	5.633	3.17
1.417	0.00	1.400	6.93	5.683	3.17
1.433	0.00	1.417	6.93	5.733	3.17
1.450	0.00	1.433	6.93	5.783	3.17
1.467	0.00	1.450	6.93	5.833	3.17
1.483	0.00	1.467	6.93	5.883	3.17
1.500	0.00	1.483	6.93	5.933	3.17
1.517	0.00	1.500	6.93	5.983	3.17
1.533	0.00	1.517	6.93	6.033	3.17
1.550	0.00	1.533	6.93	6.083	3.17
1.567	0.00	1.550	6.93	6.133	3.17
1.583	0.00	1.567	6.93	6.183	3.17
1.600	0.00	1.583	6.93	6.233	3.17
1.617	0.00	1.600	6.93	6.283	3.17
1.633	0.00	1.617	6.93	6.333	3.17
1.650	0.00	1.633	6.93	6.383	3.17
1.667	0.00	1.650	6.93	6.433	3.17
1.683	0.00	1.667	6.93	6.483	3.17
1.700	0.00	1.683	6.93	6.533	3.17
1.717	0.00	1.700	6.93	6.583	3.17
1.733	0.00	1.717	6.93	6.633	3.17
1.750	0.00	1.733	6.93	6.683	3.17
1.767	0.00	1.750	6.93	6.733	3.17
1.783	0.00	1.767	6.93	6.783	3.17
1.800	0.00	1.783	6.93	6.833	3.17
1.817	0.00	1.800	6.93	6.883	3.17
1.833	0.00	1.817	6.93	6.933	3.17
1.850	0.00	1.833	6.93	6.983	3.17
1.867	0.00	1.850	6.93	7.033	3.17
1.883	0.00	1.867	6.93	7.083	3.17
1.900	0.00	1.883	6.93	7.133	3.17
1.917	0.00	1.900	6.93	7.183	3.17
1.933	0.00	1.917	6.93	7.233	3.17
1.950	0.00	1.933	6.93	7.283	3.17
1.967	0.00	1.950	6.93	7.333	3.17
1.983	0.00	1.967	6.93	7.383	3.17
2.000	0.00	1.983	6.93	7.433	3.17
2.017	0.00	2.000	6.93	7.483	3.17
2.033	0.00	2.017	6.93	7.533	3.17
2.050	0.00	2.033	6.93	7.583	3.17
2.067	0.00	2.050	6.93	7.633	3.17
2.083	0.00	2.067	6.93	7.683	3.17
2.100	0.00	2.083	6.93	7.733	3.17
2.117	0.00	2.100	6.93	7.783	3.17
2.133	0.00	2.117	6.93	7.833	3.17
2.150	0.00	2.133	6.93	7.883	3.17
2.167	0.00	2.150	6.93	7.933	3.17
2.183	0.00	2.167	6.93	7.983	3.17
2.200	0.00	2.183	6.93	8.033	3.17
2.217	0.00	2.200	6.93	8.083	3.17
2.233	0.00	2.217	6.93	8.133	3.17
2.250	0.00	2.233	6.93	8.183	3.17
2.267	0.00	2.250	6.93	8.233	3.17
2.283	0.00	2.267	6.93	8.283	3.17
2.300	0.00	2.283	6.93	8.333	3.17
2.317	0.00	2.300	6.93	8.383	3.17
2.333	0.00	2.317	6.93	8.433	3.17
2.350	0.00	2.333	6.93	8.483	3.17
2.367	0.00	2.350	6.93	8.533	3.17
2.383	0.00	2.367	6.93	8.583	3.17
2.400	0.00	2.383	6.93	8.633	3.17
2.417	0.00	2.400	6.93	8.683	3.17
2.433	0.00	2.417	6.93	8.733	3.17
2.450	0.00	2.433	6.93	8.783	3.17
2.467	0.00	2.450	6.93	8.833	3.17
2.483	0.00	2.467	6.93	8.883	3.17
2.500	0.00	2.483	6.93	8.933	3.17
2.517	0.00	2.500	6.93	8.983	3.17
2.533	0.00	2.517	6.93	9.033	3.17
2.550	0.00	2.533	6.93	9.083	3.17
2.567	0.00	2.550	6.93	9.133	3.17
2.583	0.00	2.567	6.93	9.183	3.17
2.600	0.00	2.583	6.93	9.233	3.17
2.617	0.00	2.600	6.93	9.283	3.17
2.633	0.00	2.617	6.93	9.333	3.17
2.650	0.00	2.633	6.93	9.383	3.17
2.667	0.00	2.650	6.93	9.433	3.17
2.683	0.00	2.667	6.93	9.483	3.17
2.700	0.00	2.683	6.93	9.533	3.17
2.717	0.00	2.700	6.93	9.583	3.17
2.733	0.00	2.717	6.93	9.633	3.17
2.750	0.00	2.733	6.93	9.683	3.17
2.767	0.00	2.750	6.93	9.733	3.17
2.783	0.00	2.767	6.93	9.783	3.17
2.800	0.00	2.783	6.93	9.833	3.17
2.817	0.00	2.800	6.93	9.883	3.17
2.833	0.00	2.817	6.93	9.933	3.17
2.850	0.00	2.833	6.93	9.983	3.17
2.867	0.00	2.850	6.93	10.033	3.17
2.883	0.00	2.867	6.93	10.083	3.17
2.900	0.00	2.883	6.93	10.133	3.17
2.917	0.00	2.900	6.93	10.183	3.17
2.933	0.00	2.917	6.93	10.233	3.17
2.950	0.00	2.933	6.93	10.283	3.17
2.967	0.00	2.950	6.93	10.333	3.17
2.983	0.00	2.967	6.93	10.383	3.17
3.000	0.00	2.983	6.93	10.433	3.17
3.017	0.00	3.000	6.93	10.483	3.17
3.033	0.00	3.017	6.93	10.533	3.17
3.050	0.00	3.033	6.93	10.583	3.17
3.067	0.00	3.050	6.93	10.633	3.17
3.083	0.00	3.067	6.93	10.683	3.17
3.100	0.00	3.083	6.93	10.733	3.17
3.117	0.00	3.100	6.93	10.783	3.17
3.133	0.00	3.117	6.93	10.833	3.17
3.150	0.00	3.133	6.93	10.883	3.17
3.167	0.00	3.150	6.93	10.933	3.17
3.183	0.00	3.167	6.93	10.983	3.17
3.200	0.00	3.183	6.93	11.033	3.17
3.217	0.00	3.200	6.93	11.083	3.17
3.233	0.00	3.217	6.93	11.133	3.17
3.250	0.00	3.233	6.93	11.183	3.17
3.267	0.00	3.250	6.93	11.233	3.17
3.283	0.00	3.267	6.93	11.283	3.17
3.300	0.00	3.283	6.93	11.333	3.17
3.317	0.00	3.300	6.93	11.383	3.17
3.333	0.00	3.317	6.93	11.433	3.

Output File Name: C:\data\Nasa\CL\data\WB\35c3f45-d477-4180-803e-ce7d60094a\de316
e18-d448-489e-b238-c5d2b061335\scen
Summary File Name: C:\data\Nasa\CL\data\WB\35c3f45-d477-4180-803e-ce7d60094a\de316
e18-d448-489e-b238-c5d2b061335\scen

DATE: 11/20/2024 TIME: 08:56:02

USER:

COMMENTS:

File Name: C:\Users\mclack\AppData
Local\Temp\appd-9710-f9e083215ea2\35c40fc
Comments: 5yr 24hr 10min SCS Type II (MTO)

READ STORM				Pctal= 71.04 mm			
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.09	0.09	6.17	1.28	12.33	10.23	18.59	1.28
0.53	0.78	6.59	1.28	12.67	5.26	18.83	1.28
0.99	0.78	6.67	1.28	12.83	5.26	19.00	1.28
0.93	0.78	6.90	1.28	13.19	3.64	19.33	1.28
1.00	0.78	7.17	1.56	13.33	3.64	19.59	1.28
1.33	0.78	7.39	1.56	13.60	2.98	19.83	1.28
1.69	0.78	7.67	1.56	13.83	2.98	20.00	1.28
1.65	0.78	7.83	1.56	14.00	2.98	20.33	0.85
2.17	0.92	8.33	1.85	14.33	2.13	20.59	0.85
2.59	0.92	8.67	1.99	14.83	2.13	21.00	0.85
2.67	0.92	8.83	1.99	15.09	2.13	21.17	0.85
3.17	0.92	9.33	2.27	15.33	2.13	21.59	0.85
3.67	0.92	9.83	2.56	16.00	2.13	22.17	0.85
4.08	0.92	10.37	3.27	16.33	1.28	22.59	0.85
4.17	1.14	10.33	3.27	16.50	1.28	22.67	0.85
4.53	1.14	10.89	3.40	16.67	1.28	22.83	0.85
4.67	1.14	10.83	3.40	17.00	1.28	23.17	0.85
4.67	1.14	11.00	4.49	17.17	1.28	23.33	0.85
5.09	1.14	11.17	6.02	17.33	1.28	23.59	0.85

61

0.733	0.78	6.783	1.28	12.833	5.26	18.88	1.28
0.759	0.78	6.809	1.28	12.859	5.26	18.90	1.28
0.783	0.78	6.833	1.28	12.883	5.26	18.93	1.28
0.809	0.78	6.859	1.28	12.909	5.26	18.95	1.28
0.833	0.78	6.883	1.28	12.933	5.26	18.98	1.28
0.860	0.78	6.900	1.28	12.950	5.26	19.00	1.28
0.883	0.78	6.923	1.28	12.977	5.26	19.03	1.28
0.909	0.78	6.950	1.28	13.000	5.26	19.05	1.28
0.933	0.78	6.967	1.28	13.017	5.26	19.07	1.28
0.959	0.78	7.000	1.28	13.050	5.26	19.10	1.28
0.987	0.78	7.017	1.28	13.067	5.26	19.12	1.28
1.009	0.78	7.059	1.28	13.100	5.26	19.15	1.28
1.037	0.78	7.067	1.28	13.117	5.26	19.17	1.28
1.060	0.78	7.100	1.28	13.150	5.26	19.20	1.28
1.087	0.78	7.117	1.28	13.167	5.26	19.22	1.28
1.109	0.78	7.150	1.28	13.200	3.64	19.25	1.28
1.117	0.78	7.167	1.28	13.217	3.64	19.27	1.28
1.138	0.78	7.200	1.56	13.250	3.64	19.30	1.28
1.159	0.78	7.233	1.56	13.267	3.64	19.32	1.28
1.167	0.78	7.253	1.56	13.283	3.64	19.33	1.28
1.183	0.78	7.267	1.56	13.317	3.64	19.37	1.28
1.217	0.78	7.283	1.56	13.333	3.64	19.38	1.28
1.233	0.78	7.317	1.56	13.367	3.64	19.42	1.28
1.257	0.78	7.333	1.56	13.383	3.64	19.43	1.28
1.303	0.78	7.367	1.56	13.417	3.64	19.47	1.28
1.337	0.78	7.383	1.56	13.433	3.64	19.48	1.28
1.367	0.78	7.417	1.56	13.467	3.64	19.52	1.28
1.397	0.78	7.433	1.56	13.483	3.64	19.53	1.28
1.417	0.78	7.467	1.56	13.517	3.64	19.57	1.28
1.433	0.78	7.483	1.56	13.533	3.64	19.58	1.28
1.459	0.78	7.509	1.56	13.550	3.64	19.59	1.28
1.467	0.78	7.523	1.56	13.563	3.64	19.63	1.28
1.483	0.78	7.553	1.56	13.600	3.64	19.65	1.28
1.509	0.78	7.569	1.56	13.633	3.64	19.66	1.28
1.533	0.78	7.583	1.56	13.653	3.64	19.68	1.28
1.559	0.78	7.609	1.56	13.659	3.64	19.70	1.28
1.583	0.78	7.633	1.56	13.683	2.98	19.73	1.28
1.609	0.78	7.659	1.56	13.709	2.98	19.75	1.28
1.633	0.78	7.683	1.56	13.733	2.98	19.78	1.28
1.659	0.78	7.700	1.56	13.750	2.98	19.80	1.28
1.683	0.78	7.733	1.56	13.783	2.98	19.83	1.28
1.709	0.78	7.759	1.56	13.800	2.98	19.85	1.28
1.733	0.78	7.783	1.56	13.833	2.98	19.88	1.28
1.759	0.78	7.800	1.56	13.850	2.98	19.90	1.28
1.787	0.78	7.817	1.56	13.867	2.98	19.92	1.28
1.793	0.78	7.835	1.56	13.883	2.98	19.93	1.28

63

CALIB (0205)
NASHD

Area (ha) = 0.96 Curve Number (CN) = 89.0
U.H. Tp(hrs) = 0.11 # of Linear Res.(N) = 3.00
NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

5.17	1.14	11.33	6.82	17.99	1.28	23.67	0.85
5.33	1.14	11.59	6.82	17.67	1.28	23.83	0.85
5.67	1.14	11.83	53.99	18.00	1.28	24.00	0.85
5.83	1.14	12.00	86.95	18.17	1.28		
6.00	1.14	12.17	10.23	18.33	1.28		

TRANSFORMED METEOROLOGICAL				TIME			
TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.093	0.09	6.983	1.14	12.133	86.95	18.18	1.28
0.090	0.00	6.100	1.14	12.150	86.95	18.20	1.28
0.093	0.00	6.137	1.14	12.183	90.36	18.23	1.28
0.100	0.00	6.159	1.14	12.200	10.23	18.25	1.28
0.113	0.00	6.167	1.14	12.217	10.23	18.27	1.28
0.150	0.00	6.200	1.28	12.250	10.23	18.30	1.28
0.167	0.09	6.217	1.28	12.267	10.23	18.32	1.28
0.200	0.78	6.250	1.28	12.300	10.23	18.35	1.28
0.217	0.78	6.267	1.28	12.317	10.23	18.37	1.28
0.259	0.78	6.317	1.28	12.367	10.23	18.42	1.28
0.267	0.78	6.317	1.28	12.367	10.23	18.42	1.28
0.300	0.78	6.350	1.28	12.400	10.23	18.45	1.28
0.317	0.78	6.367	1.28	12.417	10.23	18.47	1.28
0.350	0.78	6.400	1.28	12.450	10.23	18.50	1.28
0.367	0.78	6.417	1.28	12.467	10.23	18.52	1.28
0.383	0.78	6.433	1.28	12.483	10.23	18.53	1.28
0.417	0.78	6.467	1.28	12.517	10.23	18.57	1.28
0.433	0.78	6.483	1.28	12.533	10.23	18.58	1.28
0.467	0.78	6.517	1.28	12.567	10.23	18.62	1.28
0.478	0.78	6.533	1.28	12.583	10.23	18.63	1.28
0.517	0.78	6.567	1.28	12.617	10.23	18.67	1.28
0.533	0.78	6.583	1.28	12.633	10.23	18.68	1.28
0.567	0.78	6.617	1.28	12.667	10.23	18.72	1.28
0.583	0.78	6.633	1.28	12.683	5.26	18.73	1.28
0.617	0.78	6.667	1.28	12.717	5.26	18.77	1.28
0.633	0.78	6.683	1.28	12.733	5.26	18.78	1.28
0.667	0.78	6.700	1.28	12.760	5.26	18.80	1.28
0.683	0.78	6.733	1.28	12.783	5.26	18.83	1.28
0.700	0.78	6.750	1.28	12.800	5.26	18.85	1.28
0.717	0.78	6.767	1.28	12.817	5.26	18.87	1.28

62

1.890	0.78	7.950	1.56	13.900	2.98	19.95	1.28
1.817	0.78	7.867	1.56	13.817	2.98	19.97	1.28
1.850	0.78	7.900	1.56	13.850	2.98	20.00	1.28
1.867	0.78	7.917	1.56	13.867	2.98	20.02	1.28
1.900	0.78	7.950	1.56	14.000	2.98	20.05	1.28
1.917	0.78	7.967	1.56	14.017	2.98	20.07	1.28
1.933	0.78	7.983	1.56	14.033	2.98	20.08	1.28
1.967	0.78	8.017	1.56	14.067	2.98	20.12	1.28
1.983	0.78	8.033	1.56	14.083	2.98	20.13	1.28
2.017	0.78	8.067	1.56	14.117	2.98	20.17	1.28
2.033	0.78	8.083	1.56	14.133	2.98	20.18	0.86
2.067	0.78	8.117	1.56	14.167	2.98	20.22	0.85
2.083	0.78	8.133	1.56	14.183	2.13	20.23	0.85
2.117	0.78	8.167	1.56	14.217	2.13	20.27	0.85
2.133	0.78	8.183	1.56	14.233	2.13	20.28	0.85
2.167	0.78	8.217	1.85	14.267	2.13	20.32	0.85
2.183	0.92	8.233	1.85	14.283	2.13	20.33	0.85
2.217	0.92	8.267	1.85	14.317	2.13	20.37	0.85
2.233	0.92	8.283	1.85	14.333	2.13	20.38	0.85
2.260	0.92	8.300	1.85	14.360	2.13	20.40	0.85
2.300	0.92	8.350	1.85	14.400	2.13	20.45	0.85
2.350	0.92	8.400	1.85	14.450	2.13	20.49	0.85
2.367	0.92	8.417	1.85	14.467	2.13	20.50	0.85
2.383	0.92	8.433	1.85	14.483	2.13	20.51	0.85
2.400	0.92	8.450	1.85	14.500	2.13	20.55	0.85
2.433	0.92	8.483	1.85	14.533	2.13	20.60	0.85
2.450	0.92	8.500	1.85	14.550	2.13	20.60	0.85
2.483	0.92	8.533	1.85	14.583	2.13	20.65	0.85
2.500	0.92	8.550	1.85	14.600	2.13	20.65	0.85
2.533	0.92	8.583	1.85	14.633	2.13	20.67	0.85
2.550	0.92	8.600	1.85	14.650	2.13	20.70	0.85
2.567	0.92	8.617	1.85	14.667	2.13	20.72	0.85
2.600	0.92	8.650	1.85	14.700	2.13	20.75	0.85
2.617	0.92	8.667	1.85	14.717	2.13	20.77	0.85
2.650	0.92	8.700	1.85	14.750	2.13	20.80	0.85
2.667	0.92	8.717	1.85	14.767	2.13	20.82	0.85
2.700	0.92	8.750	1.85	14.800	2.13	20.85	0.85
2.717	0.92	8.767	1.85	14.817	2.13	20.87	0.85
2.750	0.92	8.800	1.85	14.850	2.13	20.88	0.85
2.767	0.92	8.817	1.85	14.867	2.13	20.90	0.85
2.800	0.92	8.850	1.85	14.900	2.13	20.93	0.85
2.817	0.92	8.867	1.85	14.917	2.13	20.95	0.85
2.833	0.92	8.883	1.85	14.933	2.13	20.98	0.85
2.850	0.92	8.900	1.85	14.950	2.13	21.00	0.85

4.950	1.14	11.000	4.40	17.050	1.28	23.10	0.85
4.967	1.14	11.017	4.40	17.067	1.28	23.12	0.85
5.000	1.14	11.050	4.40	17.100	1.28	23.15	0.85
5.017	1.14	11.067	4.40	17.117	1.28	23.17	0.85
5.060	1.14	11.100	4.40	17.150	1.28	23.20	0.85
5.087	1.14	11.117	4.40	17.167	1.28	23.22	0.85
5.100	1.14	11.130	4.40	17.180	1.28	23.24	0.85
5.117	1.14	11.167	4.40	17.217	1.28	23.27	0.85
5.133	1.14	11.183	6.82	17.233	1.28	23.28	0.85
5.150	1.14	11.200	6.82	17.250	1.28	23.30	0.85
5.167	1.14	11.217	6.82	17.267	1.28	23.32	0.85
5.183	1.14	11.233	6.82	17.283	1.28	23.33	0.85
5.199	1.14	11.250	6.82	17.300	1.28	23.35	0.85
5.217	1.14	11.267	6.82	17.317	1.28	23.37	0.85
5.233	1.14	11.283	6.82	17.333	1.28	23.38	0.85
5.250	1.14	11.300	6.82	17.350	1.28	23.40	0.85
5.267	1.14	11.317	6.82	17.367	1.28	23.42	0.85
5.283	1.14	11.333	6.82	17.383	1.28	23.43	0.85
5.300	1.14	11.350	6.82	17.400	1.28	23.45	0.85
5.317	1.14	11.367	6.82	17.417	1.28	23.47	0.85
5.333	1.14	11.383	6.82	17.433	1.28	23.48	0.85
5.350	1.14	11.400	6.82	17.450	1.28	23.50	0.85
5.367	1.14	11.417	6.82	17.467	1.28	23.52	0.85
5.383	1.14	11.433	6.82	17.483	1.28	23.53	0.85
5.400	1.14	11.450	6.82	17.500	1.28	23.55	0.85
5.417	1.14	11.467	6.82	17.517	1.28	23.57	0.85
5.433	1.14	11.483	6.82	17.533	1.28	23.58	0.85
5.450	1.14	11.500	6.82	17.550	1.28	23.60	0.85
5.467	1.14	11.517	6.82	17.567	1.28	23.62	0.85
5.483	1.14	11.533	6.82	17.583	1.28	23.63	0.85
5.500	1.14	11.550	6.82	17.600	1.28	23.65	0.85
5.517	1.14	11.567	6.82	17.617	1.28	23.67	0.85
5.533	1.14	11.583	6.82	17.633	1.28	23.68	0.85
5.550	1.14	11.600	6.82	17.650	1.28	23.70	0.85
5.567	1.14	11.617	6.82	17.667	1.28	23.72	0.85
5.583	1.14	11.633	6.82	17.683	1.28	23.73	0.85
5.600	1.14	11.650	6.82	17.700	1.28	23.75	0.85
5.617	1.14	11.667	6.82	17.717	1.28	23.77	0.85
5.633	1.14	11.683	21.82	17.733	1.28	23.78	0.85
5.650	1.14	11.700	21.82	17.750	1.28	23.80	0.85
5.667	1.14	11.717	21.82	17.767	1.28	23.82	0.85
5.683	1.14	11.733	21.82	17.783	1.28	23.84	0.85
5.700	1.14	11.750	21.82	17.800	1.28	23.85	0.85
5.717	1.14	11.767	21.82	17.817	1.28	23.87	0.85
5.733	1.14	11.783	21.82	17.833	1.28	23.89	0.85
5.750	1.14	11.800	21.82	17.850	1.28	23.90	0.85
5.767	1.14	11.817	21.82	17.867	1.28	23.92	0.85
5.783	1.14	11.833	21.82	17.883	1.28	23.94	0.85
5.800	1.14	11.850	53.97	17.900	1.28	23.95	0.85
5.817	1.14	11.867	53.99	17.917	1.28	23.97	0.85
5.833	1.14	11.883	53.99	17.933	1.28	23.99	0.85
5.850	1.14	11.900	53.99	17.950	1.28	24.00	0.85
5.867	1.14	11.917	53.99	17.967	1.28	24.02	0.85
5.883	1.14	11.933	53.99	17.983	1.28	24.04	0.85
5.900	1.14	11.950	53.99	18.000	1.28	24.05	0.85
5.917	1.14	11.967	53.99	18.017	1.28	24.07	0.85
5.933	1.14	12.000	53.99	18.053	1.28	24.09	0.85
5.950	1.14	12.017	53.99	18.067	1.28	24.12	0.85
5.967	1.14	12.033	86.95	18.083	1.28	24.13	0.85
5.983	1.14	12.050	86.95	18.099	1.28	24.15	0.85
5.999	1.14	12.066	86.95	18.115	1.28	24.17	0.85

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	STANDARD (0.294)	Area	(ha)= 28.67	Dlr. Com.(%)= 37.50
1.01	0.01	Total Imp(%)= 75.99	IMPERVIOUS	PERVIOUS (1)
1.01	0.01	Surf Storage	(in)= 11.80	5.00
1.01	0.01	Dep Storage	(in)= 2.00	2.00
1.01	0.01	Average Slope	(%)= 0.003	0.250
1.01	0.01	Manning's n		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

	TIME	RAIN	TRANSFORMED	HYETOGRAPH	TIME
	hrs	mm/hr	mm/hr	mm/hr	hrs
0.017	0.00	6.067	1.14	12.117	06.95
0.033	0.00	6.067	1.14	12.133	08.17
0.050	0.00	6.067	1.14	12.150	09.40
0.067	0.00	6.067	1.14	12.167	10.62
0.083	0.00	6.067	1.14	12.183	11.85
0.100	0.00	6.067	1.14	12.200	13.07
0.117	0.00	6.067	1.14	12.217	14.30
0.133	0.00	6.067	1.14	12.233	15.52
0.150	0.00	6.067	1.14	12.250	16.75
0.167	0.00	6.067	1.14	12.267	17.97
0.183	0.00	6.067	1.14	12.283	19.20
0.200	0.00	6.067	1.14	12.300	20.42
0.217	0.00	6.067	1.14	12.317	21.65
0.233	0.00	6.067	1.14	12.333	22.87
0.250	0.00	6.067	1.14	12.350	24.10
0.267	0.00	6.067	1.14	12.367	25.32
0.283	0.00	6.067	1.14	12.383	26.55
0.300	0.00	6.067	1.14	12.400	27.77
0.317	0.00	6.067	1.14	12.417	29.00
0.333	0.00	6.067	1.14	12.433	30.22
0.350	0.00	6.067	1.14	12.450	31.45
0.367	0.00	6.067	1.14	12.467	32.67
0.383	0.00	6.067	1.14	12.483	33.90
0.400	0.00	6.067	1.14	12.500	35.12
0.417	0.00	6.067	1.14	12.517	36.35
0.433	0.00	6.067	1.14	12.533	37.57
0.450	0.00	6.067	1.14	12.550	38.80
0.467	0.00	6.067	1.14	12.567	40.02
0.483	0.00	6.067	1.14	12.583	41.25
0.500	0.00	6.067	1.14	12.600	42.47
0.517	0.00	6.067	1.14	12.617	43.70
0.533	0.00	6.067	1.14	12.633	44.92
0.550	0.00	6.067	1.14	12.650	46.15
0.567	0.00	6.067	1.14	12.667	47.37
0.583	0.00	6.067	1.14	12.683	48.60
0.600	0.00	6.067	1.14	12.700	49.82
0.617	0.00	6.067	1.14	12.717	51.05
0.633	0.00	6.067	1.14	12.733	52.27
0.650	0.00	6.067	1.14	12.750	53.50
0.667	0.00	6.067	1.14	12.767	54.72
0.683	0.00	6.067	1.14	12.783	55.95
0.700	0.00	6.067	1.14	12.800	57.17
0.717	0.00	6.067	1.14	12.817	58.40
0.733	0.00	6.067	1.14	12.833	59.62
0.750	0.00	6.067	1.14	12.850	60.85
0.767	0.00	6.067	1.14	12.867	62.07
0.783	0.00	6.067	1.14	12.883	63.30
0.800	0.00	6.067	1.14	12.900	64.52
0.817	0.00	6.067	1.14	12.917	65.75
0.833	0.00	6.067	1.14	12.933	66.97
0.850	0.00	6.067	1.14	12.950	68.20
0.867	0.00	6.067	1.14	12.967	69.42
0.883	0.00	6.067	1.14	12.983	70.65
0.900	0.00	6.067	1.14	13.000	71.87
0.917	0.00	6.067	1.14	13.017	73.10
0.933	0.00	6.067	1.14	13.033	74.32
0.950	0.00	6.067	1.14	13.050	75.55
0.967	0.00	6.067	1.14	13.067	76.77
0.983	0.00	6.067	1.14	13.083	78.00
1.000	0.00	6.067	1.14	13.100	79.22
1.017	0.00	6.067	1.14	13.117	80.45
1.033	0.00	6.067	1.14	13.133	81.67
1.050	0.00	6.067	1.14	13.150	82.90
1.067	0.00	6.067	1.14	13.167	84.12
1.083	0.00	6.067	1.14	13.183	85.35
1.100	0.00	6.067	1.14	13.200	86.57
1.117	0.00	6.067	1.14	13.217	87.80
1.133	0.00	6.067	1.14	13.233	89.02
1.150	0.00	6.067	1.14	13.250	90.25
1.167	0.00	6.067	1.14	13.267	91.47
1.183	0.00	6.067	1.14	13.283	92.70
1.200	0.00	6.067	1.14	13.300	93.92
1.217	0.00	6.067	1.14	13.317	95.15
1.233	0.00	6.067	1.14	13.333	96.37
1.250	0.00	6.067	1.14	13.350	97.60
1.267	0.00	6.067	1.14	13.367	98.82
1.283	0.00	6.067	1.14	13.383	100.05
1.300	0.00	6.067	1.14	13.400	101.27
1.317	0.00	6.067	1.14	13.417	102.50
1.333	0.00	6.067	1.14	13.433	103.72
1.350	0.00	6.067	1.14	13.450	104.95
1.367	0.00	6.067	1.14	13.467	106.17
1.383	0.00	6.067	1.14	13.483	107.40
1.400	0.00	6.067	1.14	13.500	108.62
1.417	0.00	6.067	1.14	13.517	109.85
1.433	0.00	6.067	1.14	13.533	111.07
1.450	0.00	6.067	1.14	13.550	112.30
1.467	0.00	6.067	1.14	13.567	113.52
1.483	0.00	6.067	1.14	13.583	114.75
1.500	0.00	6.067	1.14	13.600	115.97
1.517	0.00	6.067	1.14	13.617	117.20
1.533	0.00	6.067	1.14	13.633	118.42
1.550	0.00	6.067	1.14	13.650	119.65
1.567	0.00	6.067	1.14	13.667	120.87
1.583	0.00	6.067	1.14	13.683	122.10
1.600	0.00	6.067	1.14	13.700	123.32
1.617	0.00	6.067	1.14	13.717	124.55
1.633	0.00	6.067	1.14	13.733	125.77
1.650	0.00	6.067	1.14	13.750	127.00
1.667	0.00	6.067	1.14	13.767	128.22
1.683	0.00	6.067	1.14	13.783	129.45
1.700	0.00	6.067	1.14	13.800	130.67
1.717	0.00	6.067	1.14	13.817	131.90
1.733	0.00	6.067	1.14	13.833	133.12
1.750	0.00	6.067	1.14	13.850	134.35
1.767	0.00	6.067	1.14	13.867	135.57
1.783	0.00	6.067	1.14	13.883	136.80
1.800	0.00	6.067	1.14	13.900	138.02
1.817	0.00	6.067	1.14	13.917	139.25
1.833	0.00	6.067	1.14	13.933	140.47
1.850	0.00	6.067	1.14	13.950	141.70
1.867	0.00	6.067	1.14	13.967	142.92
1.883	0.00	6.067	1.14	13.983	144.15
1.900	0.00	6.067	1.14	14.000	145.37
1.917	0.00	6.067	1.14	14.017	146.60
1.933	0.00	6.067	1.14	14.033	147.82
1.950	0.00	6.067	1.14	14.050	149.05
1.967	0.00	6.067	1.14	14.067	150.27
1.983	0.00	6.067	1.14	14.083	151.50
2.000	0.00	6.067	1.14	14.100	152.72
2.017	0.00	6.067	1.14	14.117	153.95
2.033	0.00	6.067	1.14	14.133	155.17
2.050	0.00	6.067	1.14	14.150	156.40
2.067	0.00	6.067	1.14	14.167	157.62
2.083	0.00	6.067	1.14	14.183	158.85
2.100	0.00	6.067	1.14	14.200	160.07
2.117	0.00	6.067	1.14	14.217	161.30
2.133	0.00	6.067	1.14	14.233	162.52
2.150	0.00	6.067	1.14	14.250	163.75
2.167	0.00	6.067	1.14	14.267	164.97
2.183	0.00	6.067	1.14	14.283	166.20
2.200	0.00	6.067	1.14	14.300	167.42
2.217	0.00	6.067	1.14	14.317	168.65
2.233	0.00	6.067	1.14	14.333	169.87
2.250	0.00	6.067	1.14	14.350	171.10
2.267	0.00	6.067	1.14	14.367	172.32
2.283	0.00	6.067	1.14	14.383	173.55
2.300	0.00	6.067	1.14	14.400	174.77
2.317	0.00	6.067	1.14	14.417	176.00
2.333	0.00	6.067	1.14	14.433	177.22
2.350	0.00	6.067	1.14	14.450	178.45
2.367	0.00	6.067	1.14	14.467	179.67
2.383	0.00	6.067	1.14	14.483	180.90
2.400	0.00	6.067	1.14	14.500	182.12
2.417	0.00	6.067	1.14	14.517	183.35
2.433	0.00	6.067	1.14	14.533	184.57
2.450	0.00	6.067	1.14	14.550	185.80
2.467	0.00	6.067	1.14	14.567	187.02
2.483	0.00	6.067	1.14	14.583	188.25
2.500	0.00	6.067	1.14	14.600	189.47
2.517	0.00	6.067	1.14	14.617	190.70
2.533	0.00	6.067	1.14	14.633	191.92
2.550	0.00	6.067	1.14	14.650	193.15
2.567	0.00	6.067	1.14	14.667	194.37
2.583	0.00	6.067	1.14	14.683	195.60
2.600	0.00	6.067	1.14	14.700	196.82
2.617	0.00	6.067	1.14	14.717	198.05
2.633	0.00	6.067	1.14	14.733	199.27
2.650	0.00	6.067	1.14	14.750	200.50
2.667	0.00	6.067	1.14	14.767	201.72
2.683	0.00	6.067	1.14	14.783	202.95
2.700	0.00	6.067	1.14	14.800	204.17
2.717	0.00	6.067	1.14	14.817	205.40
2.733	0.00	6.067	1.14	14.833	206.62
2.750	0.00	6.067	1.14	14.850	207.85
2.767	0.00	6.067	1.14	14.867	209.07
2.783	0.00	6.067	1.14	14.883	210.30
2.800	0.00	6.067	1.14	14.900	211.52
2.817	0.00	6.067	1.14	14.917	212.75
2.833	0.00	6.067	1.14	14.933	213.97
2.850	0.00	6.067	1.14	14.950	215.20
2.867	0.00	6.067	1.14	14.967	216.42
2.883	0.00	6.067	1.14	14.983	217.65
2.900	0.00	6.067	1.14	15.000	218.87
2.917	0.00	6.067	1.14	15.017	220.10
2.933	0.00	6.067	1.14	15.033	221.32
2.950	0.00	6.067	1.14	15.050	222.55
2.967	0.00	6.067	1.14	15.067	223.77
2.983	0.00	6.067	1.14	15.083	225.00
3.000	0.00	6.067	1.14	15.100	226.22
3.017	0.00	6.067	1.14	15.117	227.45
3.033	0.00	6.067	1.14	15.133	228.67
3.050	0.00	6.067	1.14	15.150	229.90
3.067	0.00	6.067	1.14	15.167	231.12
3.083	0.00	6.067	1.14	15.183	232.35
3.100	0.00	6.067	1.14	15.200	233.57
3.117	0.00	6.067	1.14	15.217	234.80
3.133	0.00	6.067	1.14	15.233	236.02
3.150	0.00	6.067	1.14	15.250	237.25
3.167	0.00	6.067	1.14	15.267	238.47
3.183	0.00	6.067	1.14	15.283	239.70
3.200	0.00	6.067	1.14	15.300	240.92
3.217	0.00	6.067	1.14	15.317	242.15
3.233	0.00				

2.667	0.92	8.717	1.99	14.767	2.13	20.82	0.85	3.733	0.92	9.783	2.56	15.833	2.13	21.88	0.85
2.683	0.92	8.783	1.99	14.783	2.13	20.83	0.85	3.769	0.92	9.899	2.56	15.859	2.13	21.89	0.85
2.700	0.92	8.850	1.99	14.817	2.13	20.87	0.85	3.805	0.92	10.015	2.56	15.885	2.13	21.90	0.85
2.717	0.92	8.917	1.99	14.833	2.13	20.87	0.85	3.841	0.92	10.131	2.56	15.911	2.13	21.91	0.85
2.733	0.92	8.983	1.99	14.850	2.13	20.88	0.85	3.877	0.92	10.247	2.56	15.937	2.13	21.92	0.85
2.750	0.92	9.050	1.99	14.867	2.13	20.89	0.85	3.913	0.92	10.363	2.56	15.963	2.13	21.93	0.85
2.767	0.92	9.117	1.99	14.883	2.13	20.90	0.85	3.949	0.92	10.479	2.56	15.989	2.13	21.94	0.85
2.783	0.92	9.183	1.99	14.900	2.13	20.91	0.85	3.985	0.92	10.595	2.56	16.015	2.13	21.95	0.85
2.800	0.92	9.250	1.99	14.917	2.13	20.92	0.85	4.021	0.92	10.711	2.56	16.041	2.13	21.96	0.85
2.817	0.92	9.317	1.99	14.933	2.13	20.93	0.85	4.057	0.92	10.827	2.56	16.067	2.13	21.97	0.85
2.833	0.92	9.383	1.99	14.950	2.13	20.94	0.85	4.093	0.92	10.943	2.56	16.093	2.13	21.98	0.85
2.850	0.92	9.450	1.99	14.967	2.13	20.95	0.85	4.129	0.92	11.059	2.56	16.119	2.13	21.99	0.85
2.867	0.92	9.517	1.99	14.983	2.13	20.96	0.85	4.165	0.92	11.175	2.56	16.145	2.13	22.00	0.85
2.883	0.92	9.583	1.99	15.000	2.13	20.97	0.85	4.201	0.92	11.291	2.56	16.171	2.13	22.01	0.85
2.900	0.92	9.650	1.99	15.017	2.13	20.98	0.85	4.237	0.92	11.407	2.56	16.197	2.13	22.02	0.85
2.917	0.92	9.717	1.99	15.033	2.13	20.99	0.85	4.273	0.92	11.523	2.56	16.223	2.13	22.03	0.85
2.933	0.92	9.783	1.99	15.050	2.13	21.00	0.85	4.309	0.92	11.639	2.56	16.249	2.13	22.04	0.85
2.950	0.92	9.850	1.99	15.067	2.13	21.01	0.85	4.345	0.92	11.755	2.56	16.275	2.13	22.05	0.85
2.967	0.92	9.917	1.99	15.083	2.13	21.02	0.85	4.381	0.92	11.871	2.56	16.301	2.13	22.06	0.85
2.983	0.92	9.983	1.99	15.100	2.13	21.03	0.85	4.417	0.92	11.987	2.56	16.327	2.13	22.07	0.85
2.999	0.92	10.050	1.99	15.117	2.13	21.04	0.85	4.453	0.92	12.103	2.56	16.353	2.13	22.08	0.85
3.016	0.92	10.117	1.99	15.133	2.13	21.05	0.85	4.489	0.92	12.219	2.56	16.379	2.13	22.09	0.85
3.033	0.92	10.183	1.99	15.150	2.13	21.06	0.85	4.525	0.92	12.335	2.56	16.405	2.13	22.10	0.85
3.050	0.92	10.250	1.99	15.167	2.13	21.07	0.85	4.561	0.92	12.451	2.56	16.431	2.13	22.11	0.85
3.067	0.92	10.317	1.99	15.183	2.13	21.08	0.85	4.597	0.92	12.567	2.56	16.457	2.13	22.12	0.85
3.083	0.92	10.383	1.99	15.200	2.13	21.09	0.85	4.633	0.92	12.683	2.56	16.483	2.13	22.13	0.85
3.100	0.92	10.450	1.99	15.217	2.13	21.10	0.85	4.669	0.92	12.799	2.56	16.509	2.13	22.14	0.85
3.117	0.92	10.517	1.99	15.233	2.13	21.11	0.85	4.705	0.92	12.915	2.56	16.535	2.13	22.15	0.85
3.133	0.92	10.583	1.99	15.250	2.13	21.12	0.85	4.741	0.92	13.031	2.56	16.561	2.13	22.16	0.85
3.150	0.92	10.650	1.99	15.267	2.13	21.13	0.85	4.777	0.92	13.147	2.56	16.587	2.13	22.17	0.85
3.167	0.92	10.717	1.99	15.283	2.13	21.14	0.85	4.813	0.92	13.263	2.56	16.613	2.13	22.18	0.85
3.183	0.92	10.783	1.99	15.300	2.13	21.15	0.85	4.849	0.92	13.379	2.56	16.639	2.13	22.19	0.85
3.200	0.92	10.850	1.99	15.317	2.13	21.16	0.85	4.885	0.92	13.495	2.56	16.665	2.13	22.20	0.85
3.217	0.92	10.917	1.99	15.333	2.13	21.17	0.85	4.921	0.92	13.611	2.56	16.691	2.13	22.21	0.85
3.233	0.92	10.983	1.99	15.350	2.13	21.18	0.85	4.957	0.92	13.727	2.56	16.717	2.13	22.22	0.85
3.250	0.92	11.050	1.99	15.367	2.13	21.19	0.85	4.993	0.92	13.843	2.56	16.743	2.13	22.23	0.85
3.267	0.92	11.117	1.99	15.383	2.13	21.20	0.85	5.029	0.92	13.959	2.56	16.769	2.13	22.24	0.85
3.283	0.92	11.183	1.99	15.400	2.13	21.21	0.85	5.065	0.92	14.075	2.56	16.795	2.13	22.25	0.85
3.300	0.92	11.250	1.99	15.417	2.13	21.22	0.85	5.101	0.92	14.191	2.56	16.821	2.13	22.26	0.85
3.317	0.92	11.317	1.99	15.433	2.13	21.23	0.85	5.137	0.92	14.307	2.56	16.847	2.13	22.27	0.85
3.333	0.92	11.383	1.99	15.450	2.13	21.24	0.85	5.173	0.92	14.423	2.56	16.873	2.13	22.28	0.85
3.350	0.92	11.450	1.99	15.467	2.13	21.25	0.85	5.209	0.92	14.539	2.56	16.899	2.13	22.29	0.85
3.367	0.92	11.517	1.99	15.483	2.13	21.26	0.85	5.245	0.92	14.655	2.56	16.925	2.13	22.30	0.85
3.383	0.92	11.583	1.99	15.500	2.13	21.27	0.85	5.281	0.92	14.771	2.56	16.951	2.13	22.31	0.85
3.400	0.92	11.650	1.99	15.517	2.13	21.28	0.85	5.317	0.92	14.887	2.56	16.977	2.13	22.32	0.85
3.417	0.92	11.717	1.99	15.533	2.13	21.29	0.85	5.353	0.92	15.003	2.56	17.003	2.13	22.33	0.85
3.433	0.92	11.783	1.99	15.550	2.13	21.30	0.85	5.389	0.92	15.119	2.56	17.029	2.13	22.34	0.85
3.450	0.92	11.850	1.99	15.567	2.13	21.31	0.85	5.425	0.92	15.235	2.56	17.055	2.13	22.35	0.85
3.467	0.92	11.917	1.99	15.583	2.13	21.32	0.85	5.461	0.92	15.351	2.56	17.081	2.13	22.36	0.85
3.483	0.92	11.983	1.99	15.600	2.13	21.33	0.85	5.497	0.92	15.467	2.56	17.107	2.13	22.37	0.85
3.500	0.92	12.050	1.99	15.617	2.13	21.34	0.85	5.533	0.92	15.583	2.56	17.133	2.13	22.38	0.85
3.517	0.92	12.117	1.99	15.633	2.13	21.35	0.85	5.569	0.92	15.699	2.56	17.159	2.13	22.39	0.85
3.533	0.92	12.183	1.99	15.650	2.13	21.36	0.85	5.605	0.92	15.815	2.56	17.185	2.13	22.40	0.85
3.550	0.92	12.250	1.99	15.667	2.13	21.37	0.85	5.641	0.92	15.931	2.56	17.211	2.13	22.41	0.85
3.567	0.92	12.317	1.99	15.683	2.13	21.38	0.85	5.677	0.92	16.047	2.56	17.237	2.13	22.42	0.85
3.583	0.92	12.383	1.99	15.700	2.13	21.39	0.85	5.713	0.92	16.163	2.56	17.263	2.13	22.43	0.85
3.600	0.92	12.450	1.99	15.717	2.13	21.40	0.85	5.749	0.92	16.279	2.56	17.289	2.13	22.44	0.85
3.617	0.92	12.517	1.99	15.733	2.13	21.41	0.85	5.785	0.92	16.395	2.56	17.315	2.13	22.45	0.85
3.633	0.92	12.583	1.99	15.750	2.13	21.42	0.85	5.821	0.92	16.511	2.56	17.341	2.13	22.46	0.85
3.650	0.92	12.650	1.99	15.767	2.13	21.43	0.85	5.857	0.92	16.627	2.56	17.367	2.13	22.47	0.85
3.667	0.92	12.717	1.99	15.783	2.13	21.44	0.85	5.893	0.92	16.743	2.56	17.393	2.13	22.48	0.85
3.683	0.92	12.783	1.99	15.800	2.13	21.45	0.85	5.929	0.92	16.859	2.56	17.419	2.13	22.49	0.85
3.700	0.92	12.850	1.99	15.817	2.13	21.46	0.85	5.965	0.92	16.975	2.56	17.445	2.13	22.50	0.85
3.717	0.92	12.917	1.99	15.833	2.13	21.47	0.85	6.001	0.92	17.091	2.56	17.471	2.13	22.51	0.85
3.733	0.92	12.983	1.99	15.850	2.13	21.48	0.85	6.037	0.92	17.207	2.56	17.497	2.13	22.52	0.85
3.750	0.92	13.050	1.99	15.867	2.13	21.49	0.85	6.073	0.92	17.323	2.56	17.523	2.13	22.53	0.85
3.767	0.92	13.117	1.99	15.883	2.13	21.50	0.85	6.109	0.92	17.439	2.56	17.549	2.13	22.54	0.85
3.783	0.92	13.183	1.99	15.900	2.13	21.51	0.85	6.145	0.92	17.555	2.56	17.575	2.13	22.55	0.85
3.800	0.92	13.250	1.99	15.917	2.13	21.52	0.85	6.181	0.92	17.671	2.56	17.601	2.13	22.56	0.85
3.817	0.92	13.317	1.99	15.933	2.13	21.53	0.85	6.217	0.92	17.787	2.56	17.627	2.13	22.57	0.85
3.833	0.92	13.383	1.99	15.950	2.13	21.54	0.85	6.253	0.92	17.903	2.56	17.653	2.13	22.58	0.85
3.850	0.92	13.450	1.99	15.967	2.13	21.55	0.85	6.289	0.92	18.019	2.56	17.679	2.13	22.59	0.85
3.867	0.92	13.517	1.99	15.983	2.13	21.56	0.85	6.325	0.92	18.135	2.56	17.705	2.13	22.60	0.85
3.883	0.92	13.583	1.99	16.000	2.13	21.57	0.85	6.361	0.92	18.251	2.56	17.731	2.13	22.61	0.85
3.900	0.92	13.650	1.99	16.017	2.13	21.58	0.85	6.397	0.92	18.367	2.56	17.757	2.13	22.62	0.85
3.917	0.92	13.717	1.99	16.033	2.13	21.59	0.85	6.433	0.92	18.483	2.56	17.783	2.13	22.63	0.85
3.933	0.92	13.783	1.99	16.050	2.13	21.60	0.85	6.469	0.92	18.599	2.56	17.809	2.13		

0.233	0.78	6.283	1.28	12.333	10.23	18.38	1.28	19.45	1.28
0.259	0.78	6.309	1.28	12.359	10.23	18.40	1.28	19.47	1.28
0.285	0.78	6.335	1.28	12.385	10.23	18.42	1.28	19.49	1.28
0.311	0.78	6.361	1.28	12.411	10.23	18.44	1.28	19.51	1.28
0.333	0.78	6.383	1.28	12.433	10.23	18.46	1.28	19.53	1.28
0.359	0.78	6.409	1.28	12.459	10.23	18.48	1.28	19.55	1.28
0.385	0.78	6.435	1.28	12.485	10.23	18.50	1.28	19.57	1.28
0.411	0.78	6.461	1.28	12.511	10.23	18.52	1.28	19.59	1.28
0.433	0.78	6.483	1.28	12.533	10.23	18.54	1.28	19.61	1.28
0.459	0.78	6.509	1.28	12.559	10.23	18.56	1.28	19.63	1.28
0.487	0.78	6.537	1.28	12.587	10.23	18.58	1.28	19.65	1.28
0.517	0.78	6.567	1.28	12.617	10.23	18.60	1.28	19.67	1.28
0.547	0.78	6.597	1.28	12.647	10.23	18.62	1.28	19.69	1.28
0.577	0.78	6.627	1.28	12.677	10.23	18.64	1.28	19.71	1.28
0.607	0.78	6.657	1.28	12.707	10.23	18.66	1.28	19.73	1.28
0.633	0.78	6.683	1.28	12.733	10.23	18.68	1.28	19.75	1.28
0.659	0.78	6.709	1.28	12.759	10.23	18.70	1.28	19.77	1.28
0.685	0.78	6.735	1.28	12.785	10.23	18.72	1.28	19.79	1.28
0.711	0.78	6.761	1.28	12.811	10.23	18.74	1.28	19.81	1.28
0.733	0.78	6.783	1.28	12.833	10.23	18.76	1.28	19.83	1.28
0.759	0.78	6.809	1.28	12.859	10.23	18.78	1.28	19.85	1.28
0.787	0.78	6.837	1.28	12.887	10.23	18.80	1.28	19.87	1.28
0.817	0.78	6.867	1.28	12.917	10.23	18.82	1.28	19.89	1.28
0.847	0.78	6.897	1.28	12.947	10.23	18.84	1.28	19.91	1.28
0.877	0.78	6.927	1.28	12.977	10.23	18.86	1.28	19.93	1.28
0.903	0.78	6.953	1.28	13.003	10.23	18.88	1.28	19.95	1.28
0.929	0.78	6.979	1.28	13.029	10.23	18.90	1.28	19.97	1.28
0.955	0.78	7.005	1.28	13.055	10.23	18.92	1.28	19.99	1.28
0.981	0.78	7.031	1.28	13.081	10.23	18.94	1.28	20.01	1.28
1.009	0.78	7.059	1.28	13.109	10.23	18.96	1.28	20.03	1.28
1.035	0.78	7.085	1.28	13.135	10.23	18.98	1.28	20.05	1.28
1.061	0.78	7.111	1.28	13.161	10.23	19.00	1.28	20.07	1.28
1.087	0.78	7.137	1.28	13.187	10.23	19.02	1.28	20.09	1.28
1.113	0.78	7.163	1.28	13.213	10.23	19.04	1.28	20.11	1.28
1.139	0.78	7.189	1.28	13.239	10.23	19.06	1.28	20.13	1.28
1.165	0.78	7.215	1.28	13.265	10.23	19.08	1.28	20.15	1.28
1.191	0.78	7.241	1.28	13.291	10.23	19.10	1.28	20.17	1.28
1.217	0.78	7.267	1.28	13.317	10.23	19.12	1.28	20.19	1.28
1.243	0.78	7.293	1.28	13.343	10.23	19.14	1.28	20.21	1.28
1.269	0.78	7.319	1.28	13.369	10.23	19.16	1.28	20.23	1.28
1.295	0.78	7.345	1.28	13.395	10.23	19.18	1.28	20.25	1.28
1.321	0.78	7.371	1.28	13.421	10.23	19.20	1.28	20.27	1.28
1.347	0.78	7.397	1.28	13.447	10.23	19.22	1.28	20.29	1.28
1.373	0.78	7.423	1.28	13.473	10.23	19.24	1.28	20.31	1.28
1.399	0.78	7.449	1.28	13.499	10.23	19.26	1.28	20.33	1.28
1.425	0.78	7.475	1.28	13.525	10.23	19.28	1.28	20.35	1.28
1.451	0.78	7.501	1.28	13.551	10.23	19.30	1.28	20.37	1.28
1.477	0.78	7.527	1.28	13.577	10.23	19.32	1.28	20.39	1.28
1.503	0.78	7.553	1.28	13.603	10.23	19.34	1.28	20.41	1.28
1.529	0.78	7.579	1.28	13.629	10.23	19.36	1.28	20.43	1.28
1.555	0.78	7.605	1.28	13.655	10.23	19.38	1.28	20.45	1.28
1.581	0.78	7.631	1.28	13.681	10.23	19.40	1.28	20.47	1.28
1.607	0.78	7.657	1.28	13.707	10.23	19.42	1.28	20.49	1.28
1.633	0.78	7.683	1.28	13.733	10.23	19.44	1.28	20.51	1.28
1.659	0.78	7.709	1.28	13.759	10.23	19.46	1.28	20.53	1.28
1.685	0.78	7.735	1.28	13.785	10.23	19.48	1.28	20.55	1.28
1.711	0.78	7.761	1.28	13.811	10.23	19.50	1.28	20.57	1.28
1.737	0.78	7.787	1.28	13.837	10.23	19.52	1.28	20.59	1.28
1.763	0.78	7.813	1.28	13.863	10.23	19.54	1.28	20.61	1.28
1.789	0.78	7.839	1.28	13.889	10.23	19.56	1.28	20.63	1.28
1.815	0.78	7.865	1.28	13.915	10.23	19.58	1.28	20.65	1.28
1.841	0.78	7.891	1.28	13.941	10.23	19.60	1.28	20.67	1.28
1.867	0.78	7.917	1.28	13.967	10.23	19.62	1.28	20.69	1.28
1.893	0.78	7.943	1.28	13.993	10.23	19.64	1.28	20.71	1.28
1.919	0.78	7.969	1.28	14.019	10.23	19.66	1.28	20.73	1.28
1.945	0.78	7.995	1.28	14.045	10.23	19.68	1.28	20.75	1.28
1.971	0.78	8.021	1.28	14.071	10.23	19.70	1.28	20.77	1.28
1.997	0.78	8.047	1.28	14.097	10.23	19.72	1.28	20.79	1.28
2.023	0.78	8.073	1.28	14.123	10.23	19.74	1.28	20.81	1.28
2.049	0.78	8.099	1.28	14.149	10.23	19.76	1.28	20.83	1.28
2.075	0.78	8.125	1.28	14.175	10.23	19.78	1.28	20.85	1.28
2.101	0.78	8.151	1.28	14.201	10.23	19.80	1.28	20.87	1.28
2.127	0.78	8.177	1.28	14.227	10.23	19.82	1.28	20.89	1.28
2.153	0.78	8.203	1.28	14.253	10.23	19.84	1.28	20.91	1.28
2.179	0.78	8.229	1.28	14.279	10.23	19.86	1.28	20.93	1.28
2.205	0.78	8.255	1.28	14.305	10.23	19.88	1.28	20.95	1.28
2.231	0.78	8.281	1.28	14.331	10.23	19.90	1.28	20.97	1.28
2.257	0.78	8.307	1.28	14.357	10.23	19.92	1.28	20.99	1.28
2.283	0.78	8.333	1.28	14.383	10.23	19.94	1.28	21.01	1.28
2.309	0.78	8.359	1.28	14.409	10.23	19.96	1.28	21.03	1.28
2.335	0.78	8.385	1.28	14.435	10.23	19.98	1.28	21.05	1.28
2.361	0.78	8.411	1.28	14.461	10.23	19.99	1.28	21.07	1.28
2.387	0.78	8.437	1.28	14.487	10.23	20.01	1.28	21.09	1.28
2.413	0.78	8.463	1.28	14.513	10.23	20.03	1.28	21.11	1.28
2.439	0.78	8.489	1.28	14.539	10.23	20.05	1.28	21.13	1.28
2.465	0.78	8.515	1.28	14.565	10.23	20.07	1.28	21.15	1.28
2.491	0.78	8.541	1.28	14.591	10.23	20.09	1.28	21.17	1.28
2.517	0.78	8.567	1.28	14.617	10.23	20.11	1.28	21.19	1.28
2.543	0.78	8.593	1.28	14.643	10.23	20.13	1.28	21.21	1.28
2.569	0.78	8.619	1.28	14.669	10.23	20.15	1.28	21.23	1.28
2.595	0.78	8.645	1.28	14.695	10.23	20.17	1.28	21.25	1.28
2.621	0.78	8.671	1.28	14.721	10.23	20.19	1.28	21.27	1.28
2.647	0.78	8.697	1.28	14.747	10.23	20.21	1.28	21.29	1.28
2.673	0.78	8.723	1.28	14.773	10.23	20.23	1.28	21.31	1.28
2.699	0.78	8.749	1.28	14.799	10.23	20.25	1.28	21.33	1.28
2.725	0.78	8.775	1.28	14.825	10.23	20.27	1.28	21.35	1.28
2.751	0.78	8.801	1.28	14.851	10.23	20.29	1.28	21.37	1.28
2.777	0.78	8.827	1.28	14.877	10.23	20.31	1.28	21.39	1.28
2.803	0.78	8.853	1.28	14.903	10.23	20.33	1.28	21.41	1.28
2.829	0.78	8.879	1.28	14.929	10.23	20.35	1.28	21.43	1.28
2.855	0.78	8.905	1.28	14.955	10.23	20.37	1.28	21.45	1.28
2.881	0.78	8.931	1.28	14.981	10.23	20.39	1.28	21.47	1.28
2.907	0.78	8.957	1.28	15.007	10.23	20.41	1.28	21.49	1.28
2.933	0.78	8.983	1.28	15.033	10.23	20.43	1.28	21.51	1.28
2.959	0.78	9.009	1.28	15.059	10.23	20.45	1.28	21.53	1.28
2.985	0.78	9.035	1.28	15.085	10.23	20.47	1.28	21.55	1.28
3.011	0.78	9.061	1.28	15.111	10.23	20.49	1.28	21.57	1.28
3.037	0.78	9.087	1.28	15.137	10.23	20.51	1.28	21.59	1.28
3.063	0.78	9.113	1.28	15.163	10.23	20.53	1.28	21.61	1.28
3.089	0.78	9.139	1.28	15.189	10.23	20.55	1.28	21.63	1.28
3.115	0.78	9.165	1.28	15.215	10.23	20.57	1.28	21.65	1.28
3.141	0.78	9.191	1.28	15.241	10.23	20.59	1.28	21.67	1.28
3.167	0.78	9.217	1.28	15.267	10.23	20.61	1.28	21.69	1.28
3.193	0.78	9.243	1.28	15.293	10.23	20.63	1.28	21.71	1.28
3.219	0.78	9.269	1.28	15.319	10.23	20.65	1.28	21.73	1.28
3.245	0.78	9.295	1.28	15.345	10.23	20.67	1.28	21.75	1.28
3.271	0.78	9.321	1.28	15.371	10.23	20.69	1.28	21.77	1.28
3.297	0.78	9.347	1.28	15.397	10.23	20.71	1.28	21.79	1.28
3.323	0.78	9.373	1.28	15.423	10.23	20.73	1.28	21.81	1.28
3.349	0.78	9.399	1.28	15.449	10.23	20.75	1.28	21.83	1.28
3.375	0.78	9.425	1.28	15.475	10.23	20.77	1.28	21.85	1.28
3.401	0.78	9.451	1.28	15.501	10.23	20.79	1.28	21.87	1.28
3.427	0.78	9.477	1.						

4.500	1.14	10.550	3.27	16.600	1.28	22.65	0.85
4.517	1.14	10.567	3.27	16.617	1.28	22.67	0.85
4.534	1.14	10.584	3.27	16.634	1.28	22.69	0.85
4.550	1.14	10.600	3.27	16.650	1.28	22.70	0.85
4.567	1.14	10.617	3.27	16.667	1.28	22.72	0.85
4.584	1.14	10.634	3.27	16.684	1.28	22.74	0.85
4.600	1.14	10.650	3.27	16.700	1.28	22.75	0.85
4.617	1.14	10.667	3.27	16.717	1.28	22.77	0.85
4.634	1.14	10.684	3.27	16.734	1.28	22.79	0.85
4.650	1.14	10.700	3.27	16.750	1.28	22.80	0.85
4.667	1.14	10.717	3.27	16.767	1.28	22.82	0.85
4.684	1.14	10.734	3.27	16.784	1.28	22.84	0.85
4.700	1.14	10.750	3.27	16.800	1.28	22.85	0.85
4.717	1.14	10.767	3.27	16.817	1.28	22.87	0.85
4.734	1.14	10.784	3.27	16.834	1.28	22.88	0.85
4.750	1.14	10.800	3.27	16.850	1.28	22.89	0.85
4.767	1.14	10.817	3.27	16.867	1.28	22.90	0.85
4.784	1.14	10.834	3.27	16.884	1.28	22.92	0.85
4.800	1.14	10.850	3.27	16.900	1.28	22.93	0.85
4.817	1.14	10.867	3.27	16.917	1.28	22.94	0.85
4.834	1.14	10.884	3.27	16.934	1.28	22.96	0.85
4.850	1.14	10.900	3.27	16.950	1.28	22.97	0.85
4.867	1.14	10.917	3.27	16.967	1.28	22.98	0.85
4.884	1.14	10.934	3.27	16.984	1.28	22.99	0.85
4.900	1.14	10.950	3.27	17.000	1.28	23.00	0.85
4.917	1.14	10.967	3.27	17.017	1.28	23.01	0.85
4.934	1.14	10.984	3.27	17.034	1.28	23.02	0.85
4.950	1.14	11.000	3.27	17.050	1.28	23.03	0.85
4.967	1.14	11.017	3.27	17.067	1.28	23.04	0.85
4.984	1.14	11.034	3.27	17.084	1.28	23.05	0.85
5.000	1.14	11.050	3.27	17.100	1.28	23.06	0.85
5.017	1.14	11.067	3.27	17.117	1.28	23.07	0.85
5.034	1.14	11.084	3.27	17.134	1.28	23.08	0.85
5.050	1.14	11.100	3.27	17.150	1.28	23.09	0.85
5.067	1.14	11.117	3.27	17.167	1.28	23.10	0.85
5.084	1.14	11.134	3.27	17.184	1.28	23.11	0.85
5.100	1.14	11.150	3.27	17.200	1.28	23.12	0.85
5.117	1.14	11.167	3.27	17.217	1.28	23.13	0.85
5.134	1.14	11.184	3.27	17.234	1.28	23.14	0.85
5.150	1.14	11.200	3.27	17.250	1.28	23.15	0.85
5.167	1.14	11.217	3.27	17.267	1.28	23.16	0.85
5.184	1.14	11.234	3.27	17.284	1.28	23.17	0.85
5.200	1.14	11.250	3.27	17.300	1.28	23.18	0.85
5.217	1.14	11.267	3.27	17.317	1.28	23.19	0.85
5.234	1.14	11.284	3.27	17.334	1.28	23.20	0.85
5.250	1.14	11.300	3.27	17.350	1.28	23.21	0.85
5.267	1.14	11.317	3.27	17.367	1.28	23.22	0.85
5.284	1.14	11.334	3.27	17.384	1.28	23.23	0.85
5.300	1.14	11.350	3.27	17.400	1.28	23.24	0.85
5.317	1.14	11.367	3.27	17.417	1.28	23.25	0.85
5.334	1.14	11.384	3.27	17.434	1.28	23.26	0.85
5.350	1.14	11.400	3.27	17.450	1.28	23.27	0.85
5.367	1.14	11.417	3.27	17.467	1.28	23.28	0.85
5.384	1.14	11.434	3.27	17.484	1.28	23.29	0.85
5.400	1.14	11.450	3.27	17.500	1.28	23.30	0.85
5.417	1.14	11.467	3.27	17.517	1.28	23.31	0.85
5.434	1.14	11.484	3.27	17.534	1.28	23.32	0.85
5.450	1.14	11.500	3.27	17.550	1.28	23.33	0.85
5.467	1.14	11.517	3.27	17.567	1.28	23.34	0.85
5.484	1.14	11.534	3.27	17.584	1.28	23.35	0.85
5.500	1.14	11.550	3.27	17.600	1.28	23.36	0.85
5.517	1.14	11.567	3.27	17.617	1.28	23.37	0.85
5.534	1.14	11.584	3.27	17.634	1.28	23.38	0.85
5.550	1.14	11.600	3.27	17.650	1.28	23.39	0.85

Max. Eff. Inten. (cm/hr) = 86.95 134.09
Storage Coeff. (min) = 0.45 3.92 (11)
Unit Hyd. Peak (cm) = 0.54 6.29
PEAK FLOW (cms) = 0.60 0.27
TIME TO PEAK (hrs) = 12.17 12.17 (111)
RUNOFF VOLUME (mm) = 70.84 46.67
RATIO OF PEAK FLOW TO RUNOFF VOLUME (mm) = 70.84 46.67
RUNDOP COEFFICIENT = 0.60 0.60
***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP. YOU SHOULD CONSIDER SPLITTING THE AREA. *****
(1) CH PROCEDURE SELECTED FOR PREVIOUS LOSSES.
CN = 88.0 Ia = Dep. Storage (Above)
(11) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
TO THE TIME STEP OF THE PREVIOUS TIME STEP.
***** WARNING: PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY. *****

ADD HYD (0924)	AREA	QPEAK	TPEAK	R.V.
2 = 3 (0924)	(ha)	(cms)	(hrs)	(mm)
+ ID= 2 (0924)	22.35	4.120	12.17	55.84
ID = 3 (0924)	22.35	4.120	12.17	55.84

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0924)	AREA	QPEAK	TPEAK	R.V.
3 = 1 (0924)	(ha)	(cms)	(hrs)	(mm)
+ ID= 2 (0924)	22.35	4.120	12.17	55.84
ID = 1 (0924)	23.88	4.396	12.17	55.27

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

OVERFLOW IS OFF				
RESERVOIR (0902)	OUTFLOW	STORAGE	OUTFLOW	TPEAK
DT = 1.0 min	(cms)	(ha)	(cms)	(hrs)
	0.0000	0.0000	0.0000	17.42
	0.0174	0.0095	0.0174	12.43
	0.0310	0.0192	0.0310	12.43
	0.0434	0.0274	0.0434	12.43
	0.0550	0.0344	0.0550	12.43
	0.0650	0.0404	0.0650	12.43
	0.0744	0.0454	0.0744	12.43
	0.0824	0.0494	0.0824	12.43
	0.0894	0.0524	0.0894	12.43
	0.0954	0.0544	0.0954	12.43
	0.1004	0.0564	0.1004	12.43
	0.1044	0.0574	0.1044	12.43
	0.1074	0.0584	0.1074	12.43
	0.1104	0.0594	0.1104	12.43
	0.1124	0.0604	0.1124	12.43
	0.1144	0.0614	0.1144	12.43
	0.1164	0.0624	0.1164	12.43
	0.1184	0.0634	0.1184	12.43
	0.1204	0.0644	0.1204	12.43
	0.1224	0.0654	0.1224	12.43
	0.1244	0.0664	0.1244	12.43
	0.1264	0.0674	0.1264	12.43
	0.1284	0.0684	0.1284	12.43
	0.1304	0.0694	0.1304	12.43
	0.1324	0.0704	0.1324	12.43
	0.1344	0.0714	0.1344	12.43
	0.1364	0.0724	0.1364	12.43
	0.1384	0.0734	0.1384	12.43
	0.1404	0.0744	0.1404	12.43
	0.1424	0.0754	0.1424	12.43
	0.1444	0.0764	0.1444	12.43
	0.1464	0.0774	0.1464	12.43
	0.1484	0.0784	0.1484	12.43
	0.1504	0.0794	0.1504	12.43
	0.1524	0.0804	0.1524	12.43
	0.1544	0.0814	0.1544	12.43
	0.1564	0.0824	0.1564	12.43
	0.1584	0.0834	0.1584	12.43
	0.1604	0.0844	0.1604	12.43
	0.1624	0.0854	0.1624	12.43
	0.1644	0.0864	0.1644	12.43
	0.1664	0.0874	0.1664	12.43
	0.1684	0.0884	0.1684	12.43
	0.1704	0.0894	0.1704	12.43
	0.1724	0.0904	0.1724	12.43
	0.1744	0.0914	0.1744	12.43
	0.1764	0.0924	0.1764	12.43
	0.1784	0.0934	0.1784	12.43
	0.1804	0.0939	0.1804	12.43
	0.1824	0.0939	0.1824	12.43
	0.1844	0.0939	0.1844	12.43
	0.1864	0.0939	0.1864	12.43
	0.1884	0.0939	0.1884	12.43
	0.1904	0.0939	0.1904	12.43
	0.1924	0.0939	0.1924	12.43
	0.1944	0.0939	0.1944	12.43
	0.1964	0.0939	0.1964	12.43
	0.1984	0.0939	0.1984	12.43
	0.2004	0.0939	0.2004	12.43
	0.2024	0.0939	0.2024	12.43
	0.2044	0.0939	0.2044	12.43
	0.2064	0.0939	0.2064	12.43
	0.2084	0.0939	0.2084	12.43
	0.2104	0.0939	0.2104	12.43
	0.2124	0.0939	0.2124	12.43
	0.2144	0.0939	0.2144	12.43
	0.2164	0.0939	0.2164	12.43
	0.2184	0.0939	0.2184	12.43
	0.2204	0.0939	0.2204	12.43
	0.2224	0.0939	0.2224	12.43
	0.2244	0.0939	0.2244	12.43
	0.2264	0.0939	0.2264	12.43
	0.2284	0.0939	0.2284	12.43
	0.2304	0.0939	0.2304	12.43
	0.2324	0.0939	0.2324	12.43
	0.2344	0.0939	0.2344	12.43
	0.2364	0.0939	0.2364	12.43
	0.2384	0.0939	0.2384	12.43
	0.2404	0.0939	0.2404	12.43
	0.2424	0.0939	0.2424	12.43
	0.2444	0.0939	0.2444	12.43
	0.2464	0.0939	0.2464	12.43
	0.2484	0.0939	0.2484	12.43
	0.2504	0.0939	0.2504	12.43
	0.2524	0.0939	0.2524	12.43
	0.2544	0.0939	0.2544	12.43
	0.2564	0.0939	0.2564	12.43
	0.2584	0.0939	0.2584	12.43
	0.2604	0.0939	0.2604	12.43
	0.2624	0.0939	0.2624	12.43
	0.2644	0.0939	0.2644	12.43
	0.2664	0.0939	0.2664	12.43
	0.2684	0.0939	0.2684	12.43
	0.2704	0.0939	0.2704	12.43
	0.2724	0.0939	0.2724	12.43
	0.2744	0.0939	0.2744	12.43
	0.2764	0.0939	0.2764	12.43
	0.2784	0.0939	0.2784	12.43
	0.2804	0.0939	0.2804	12.43
	0.2824	0.0939	0.2824	12.43
	0.2844	0.0939	0.2844	12.43
	0.2864	0.0939	0.2864	12.43
	0.2884	0.0939	0.2884	12.43
	0.2904	0.0939	0.2904	12.43
	0.2924	0.0939	0.2924	12.43
	0.2944	0.0939	0.2944	12.43
	0.2964	0.0939	0.2964	12.43
	0.2984	0.0939	0.2984	12.43
	0.3004	0.0939	0.3004	12.43
	0.3024	0.0939	0.3024	12.43
	0.3044	0.0939	0.3044	12.43
	0.3064	0.0939	0.3064	12.43
	0.3084	0.0939	0.3084	12.43
	0.3104	0.0939	0.3104	12.43
	0.3124	0.0939	0.3124	12.43
	0.3144	0.0939	0.3144	12.43
	0.3164	0.0939	0.3164	12.43
	0.3184	0.0939	0.3184	12.43
	0.3204	0.0939	0.3204	12.43
	0.3224	0.0939	0.3224	12.43
	0.3244	0.0939	0.3244	12.43
	0.3264	0.0939	0.3264	12.43
	0.3284	0.0939	0.3284	12.43
	0.3304	0.0939	0.3304	12.43
	0.3324	0.0939	0.3324	12.43
	0.3344	0.0939	0.3344	12.43
	0.3364	0.0939	0.3364	12.43
	0.3384	0.0939	0.3384	12.43
	0.3404	0.0939	0.3404	12.43
	0.3424	0.0939	0.3424	12.43
	0.3444	0.0939	0.3444	12.43
	0.3464	0.0939	0.3464	12.43
	0.3484	0.0939	0.3484	12.43
	0.3504	0.0939	0.3504	12.43
	0.3524	0.0939	0.3524	12.43
	0.3544	0.0939	0.3544	12.43
	0.3564	0.0939	0.3564	12.43
	0.3584	0.0939	0.3584	12.43
	0.3604	0.0939	0.3604	12.43
	0.3624	0.0939	0.3624	12.43
	0.3644	0.0939	0.3644	12.43
	0.3664	0.0939	0.3664	12.43
	0.3684	0.0939	0.3684	12.43
	0.3704	0.0939	0.3704	12.43
	0.3724	0.0939	0.3724	12.43
	0.3744	0.0939	0.3744	12.43
	0.3764	0.0939	0.3764	12.43
	0.3784	0.0939	0.3784	12.43
	0.3804	0.0939	0.3804	12.43
	0.3824	0.0939	0.3824	12.43
	0.3844	0.0939	0.3844	12.43
	0.3864	0.0939	0.3864	12.43
	0.3884	0.0939	0.3884	12.43
	0.3904	0.0939	0.3904	12.43
	0.3924	0.0939	0.3924	12.43
	0.3944	0.0939	0.3944	12.43
	0.3964	0.0939	0.3964	12.43
	0.3984	0.0939	0.3984	12.43
	0.4004	0.0939	0.4004	12.43
	0.4024	0.0939	0.4024	12.43
	0.4044	0.0939	0.4044	12.43
	0.4064	0.0939	0.4064	12.43
	0.4084	0.0939	0.4084	12.43
	0.4104	0.0939	0.4104	12.43
	0.4124	0.0939	0.4124	12.43
	0.4144	0.0939	0.4144	12.43
	0.4164	0.0939	0.4164	12.43
	0.4184	0.0939	0.4184	12.43
	0.4204	0.0939	0.4204	12.43
	0.4224	0.0939	0.4224	12.43
	0.4244	0.0939	0.4244	12.43
	0.4264	0.0939	0.4264	12.43
	0.4284	0.0939	0.4284	12.43
	0.4304	0.0939	0.4304	12.43
	0.4324	0.0939	0.4324	12.43
	0.4344	0.0939	0.4344	12.43
	0.4364	0.0939	0.4364	12.43
	0.4384	0.0939	0.4384	12.43
	0.4404	0.0939	0.4404	12.43
	0.4424	0.0939	0.4424	12.43
	0.4444	0.0939	0.4444	12.43
	0.4464	0.0939	0.4464	12.43
	0.4484	0.0939	0.4484	12.43
	0.4504	0.0939	0.4504	12.43
	0.4524	0.0939	0.4524	12.43
	0.4544	0.0939	0.4544	12.43
	0.4564	0.0939	0.4564	12.43
	0.4584	0.0939	0.4584	12.43
	0.4604	0.0939	0.4604	12.43
	0.4624	0.0939	0.4624	12.43
	0.4644	0.0939	0.4644	12.43
	0.4664	0.0939	0.4664	12.43
	0.4684	0.0939	0.4684	12.43
	0.4704	0.0939	0.4704	12.43
	0.4724	0.0939	0.4724	12.43
	0.4744	0.0939	0.4744	12.43
	0.4764	0.0939	0.4764	12.43
	0.4784	0.0939	0.4784	12.43
	0.4804	0.0939	0.4804	12.43
	0.4824	0.0939	0.4824	12.43
	0.4844	0.0939	0.4844	12.43
	0.4864	0.0939	0.4864	12.43
	0.4884	0.0939	0.4884	12.43
	0.4904	0.0939	0.4904	12.43
	0.4924	0.0939	0.4924	12.43
	0.4944	0.0939	0.4944	12.43
	0.4964	0.0939	0.4964	12.43
	0.4984	0.0939	0.4984	12.43
	0.5004	0.0939	0.5004	12.43
	0.5024	0.0939	0.5024	12.43
	0.5044	0.0939	0.5044	12.43
	0.5064	0.0939	0.5064	12.43
	0.5084	0.0939	0.5084	12.43
	0.5104	0.0939	0.5104	12.43
	0.5124	0.0939	0.5124	12.43
	0.5144	0.0939	0.5144	12.43
	0.5164	0.0939	0.5164	12.43
	0.5184	0.0939	0.5184	12.43
	0.5204	0.0939	0.5204	12.43
	0.5224	0.0939	0.5224	12.43
	0.5244	0.0939	0.5244	12.43
	0.5264	0.0939	0.5264	12.43
	0.5284	0.0939	0.5284	12.43
	0.5304	0.0939	0.5304	12.43
	0.5324	0.0939	0.5324	12.43
	0.5344	0.0939	0.5344	12.43
	0.5364	0.0939	0.5364	12.43
	0.5384	0.0939	0.5384	12.43
	0.5404	0.0939	0.5404	12.43
	0.5424	0.0939	0.5424	12.43
	0.5444	0.0939	0.5444	12.43
	0.5464	0.0939	0.5464	12.43
	0.5484	0.0939	0.5484	12.43
	0.5504	0.0939	0.5504	12.43
	0.5524	0.0939	0.5524	12.43
	0.5544	0.0939	0.5544	12.43
	0.5564	0.0939	0.5564	12.43
	0.5584	0.0939	0.5584	12.43
	0.5604	0.0939	0.5604	12.43
	0.5624	0.0939	0.5624	12.43
	0.5644	0.0939	0.5644	

1.269	0.78	7.269	1.56	13.369	3.64	19.35	1.28	7.28	1.28	2.267	0.92	8.337	1.85	14.367	2.13	28.43	0.85
1.270	0.78	7.267	1.56	13.367	3.64	19.37	1.28	7.267	1.28	2.268	0.92	8.333	1.85	14.363	2.13	28.43	0.85
1.271	0.78	7.265	1.56	13.365	3.64	19.39	1.28	7.265	1.28	2.269	0.92	8.330	1.85	14.409	2.13	28.43	0.85
1.272	0.78	7.263	1.56	13.363	3.64	19.42	1.28	7.263	1.28	2.270	0.92	8.326	1.85	14.433	2.13	28.48	0.85
1.273	0.78	7.261	1.56	13.361	3.64	19.44	1.28	7.261	1.28	2.271	0.92	8.323	1.85	14.433	2.13	28.48	0.85
1.274	0.78	7.259	1.56	13.359	3.64	19.46	1.28	7.259	1.28	2.272	0.92	8.320	1.85	14.459	2.13	28.48	0.85
1.275	0.78	7.257	1.56	13.357	3.64	19.48	1.28	7.257	1.28	2.273	0.92	8.317	1.85	14.459	2.13	28.48	0.85
1.276	0.78	7.255	1.56	13.355	3.64	19.50	1.28	7.255	1.28	2.274	0.92	8.314	1.85	14.483	2.13	28.53	0.85
1.277	0.78	7.253	1.56	13.353	3.64	19.52	1.28	7.253	1.28	2.275	0.92	8.311	1.85	14.483	2.13	28.53	0.85
1.278	0.78	7.251	1.56	13.351	3.64	19.54	1.28	7.251	1.28	2.276	0.92	8.308	1.85	14.509	2.13	28.55	0.85
1.279	0.78	7.249	1.56	13.349	3.64	19.56	1.28	7.249	1.28	2.277	0.92	8.305	1.85	14.509	2.13	28.55	0.85
1.280	0.78	7.247	1.56	13.347	3.64	19.58	1.28	7.247	1.28	2.278	0.92	8.302	1.85	14.533	2.13	28.58	0.85
1.281	0.78	7.245	1.56	13.345	3.64	19.60	1.28	7.245	1.28	2.279	0.92	8.303	1.85	14.533	2.13	28.58	0.85
1.282	0.78	7.243	1.56	13.343	3.64	19.62	1.28	7.243	1.28	2.280	0.92	8.300	1.85	14.559	2.13	28.63	0.85
1.283	0.78	7.241	1.56	13.341	3.64	19.64	1.28	7.241	1.28	2.281	0.92	8.297	1.85	14.559	2.13	28.63	0.85
1.284	0.78	7.239	1.56	13.339	3.64	19.66	1.28	7.239	1.28	2.282	0.92	8.294	1.85	14.609	2.13	28.68	0.85
1.285	0.78	7.237	1.56	13.337	3.64	19.68	1.28	7.237	1.28	2.283	0.92	8.291	1.85	14.609	2.13	28.68	0.85
1.286	0.78	7.235	1.56	13.335	3.64	19.70	1.28	7.235	1.28	2.284	0.92	8.288	1.85	14.633	2.13	28.72	0.85
1.287	0.78	7.233	1.56	13.333	3.64	19.72	1.28	7.233	1.28	2.285	0.92	8.285	1.85	14.633	2.13	28.72	0.85
1.288	0.78	7.231	1.56	13.331	3.64	19.74	1.28	7.231	1.28	2.286	0.92	8.282	1.85	14.659	2.13	28.75	0.85
1.289	0.78	7.229	1.56	13.329	3.64	19.76	1.28	7.229	1.28	2.287	0.92	8.279	1.85	14.659	2.13	28.75	0.85
1.290	0.78	7.227	1.56	13.327	3.64	19.78	1.28	7.227	1.28	2.288	0.92	8.276	1.85	14.709	2.13	28.80	0.85
1.291	0.78	7.225	1.56	13.325	3.64	19.80	1.28	7.225	1.28	2.289	0.92	8.273	1.85	14.709	2.13	28.80	0.85
1.292	0.78	7.223	1.56	13.323	3.64	19.82	1.28	7.223	1.28	2.290	0.92	8.270	1.85	14.733	2.13	28.82	0.85
1.293	0.78	7.221	1.56	13.321	3.64	19.84	1.28	7.221	1.28	2.291	0.92	8.267	1.85	14.733	2.13	28.82	0.85
1.294	0.78	7.219	1.56	13.319	3.64	19.86	1.28	7.219	1.28	2.292	0.92	8.264	1.85	14.759	2.13	28.85	0.85
1.295	0.78	7.217	1.56	13.317	3.64	19.88	1.28	7.217	1.28	2.293	0.92	8.261	1.85	14.759	2.13	28.85	0.85
1.296	0.78	7.215	1.56	13.315	3.64	19.90	1.28	7.215	1.28	2.294	0.92	8.258	1.85	14.783	2.13	28.88	0.85
1.297	0.78	7.213	1.56	13.313	3.64	19.92	1.28	7.213	1.28	2.295	0.92	8.255	1.85	14.783	2.13	28.88	0.85
1.298	0.78	7.211	1.56	13.311	3.64	19.94	1.28	7.211	1.28	2.296	0.92	8.252	1.85	14.809	2.13	28.92	0.85
1.299	0.78	7.209	1.56	13.309	3.64	19.96	1.28	7.209	1.28	2.297	0.92	8.249	1.85	14.809	2.13	28.92	0.85
1.300	0.78	7.207	1.56	13.307	3.64	19.98	1.28	7.207	1.28	2.298	0.92	8.246	1.85	14.833	2.13	28.95	0.85
1.301	0.78	7.205	1.56	13.305	3.64	20.00	1.28	7.205	1.28	2.299	0.92	8.243	1.85	14.833	2.13	28.95	0.85
1.302	0.78	7.203	1.56	13.303	3.64	20.02	1.28	7.203	1.28	2.300	0.92	8.240	1.85	14.859	2.13	28.98	0.85
1.303	0.78	7.201	1.56	13.301	3.64	20.04	1.28	7.201	1.28	2.301	0.92	8.237	1.85	14.859	2.13	28.98	0.85
1.304	0.78	7.199	1.56	13.299	3.64	20.06	1.28	7.199	1.28	2.302	0.92	8.234	1.85	14.883	2.13	29.01	0.85
1.305	0.78	7.197	1.56	13.297	3.64	20.08	1.28	7.197	1.28	2.303	0.92	8.231	1.85	14.883	2.13	29.01	0.85
1.306	0.78	7.195	1.56	13.295	3.64	20.10	1.28	7.195	1.28	2.304	0.92	8.228	1.85	14.909	2.13	29.04	0.85
1.307	0.78	7.193	1.56	13.293	3.64	20.12	1.28	7.193	1.28	2.305	0.92	8.225	1.85	14.909	2.13	29.04	0.85
1.308	0.78	7.191	1.56	13.291	3.64	20.14	1.28	7.191	1.28	2.306	0.92	8.222	1.85	14.933	2.13	29.07	0.85
1.309	0.78	7.189	1.56	13.289	3.64	20.16	1.28	7.189	1.28	2.307	0.92	8.219	1.85	14.933	2.13	29.07	0.85
1.310	0.78	7.187	1.56	13.287	3.64	20.18	1.28	7.187	1.28	2.308	0.92	8.216	1.85	14.959	2.13	29.10	0.85
1.311	0.78	7.185	1.56	13.285	3.64	20.20	1.28	7.185	1.28	2.309	0.92	8.213	1.85	14.959	2.13	29.10	0.85
1.312	0.78	7.183	1.56	13.283	3.64	20.22	1.28	7.183	1.28	2.310	0.92	8.210	1.85	14.983	2.13	29.13	0.85
1.313	0.78	7.181	1.56	13.281	3.64	20.24	1.28	7.181	1.28	2.311	0.92	8.207	1.85	14.983	2.13	29.13	0.85
1.314	0.78	7.179	1.56	13.279	3.64	20.26	1.28	7.179	1.28	2.312	0.92	8.204	1.85	15.009	2.13	29.16	0.85
1.315	0.78	7.177	1.56	13.277	3.64	20.28	1.28	7.177	1.28	2.313	0.92	8.201	1.85	15.009	2.13	29.16	0.85
1.316	0.78	7.175	1.56	13.275	3.64	20.30	1.28	7.175	1.28	2.314	0.92	8.198	1.85	15.033	2.13	29.19	0.85
1.317	0.78	7.173	1.56	13.273	3.64	20.32	1.28	7.173	1.28	2.315	0.92	8.195	1.85	15.033	2.13	29.19	0.85
1.318	0.78	7.171	1.56	13.271	3.64	20.34	1.28	7.171	1.28	2.316	0.92	8.192	1.85	15.059	2.13	29.22	0.85
1.319	0.78	7.169	1.56	13.269	3.64	20.36	1.28	7.169	1.28	2.317	0.92	8.189	1.85	15.059	2.13	29.22	0.85
1.320	0.78	7.167	1.56	13.267	3.64	20.38	1.28	7.167	1.28	2.318	0.92	8.186	1.85	15.083	2.13	29.25	0.85
1.321	0.78	7.165	1.56	13.265	3.64	20.40	1.28	7.165	1.28	2.319	0.92	8.183	1.85	15.083	2.13	29.25	0.85
1.322	0.78	7.163	1.56	13.263	3.64	20.42	1.28	7.163	1.28	2.320	0.92	8.180	1.85	15.109	2.13	29.28	0.85
1.323	0.78	7.161	1.56	13.261	3.64	20.44	1.28	7.161	1.28	2.321	0.92	8.177	1.85	15.109	2.13	29.28	0.85
1.324	0.78	7.159	1.56	13.259	3.64	20.46	1.28	7.159	1.28	2.322	0.92	8.174	1.85	15.133	2.13	29.31	0.85
1.325	0.78	7.157	1.56	13.257	3.64	20.48	1.28	7.157	1.28	2.323	0.92	8.171	1.85	15.133	2.13	29.31	0.85
1.326	0.78	7.155	1.56	13.255	3.64	20.50	1.28	7.155	1.28	2.324	0.92	8.168	1.85	15.159	2.13	29.34	0.85
1.327	0.78	7.153	1.56	13.253	3.64	20.52	1.28	7.153	1.28	2.325	0.92	8.165	1.85	15.159	2.13	29.34	0.85
1.328	0.78	7.151	1.56	13.251	3.64	20.54	1.28	7.151	1.28	2.326	0.92	8.162	1.85	15.183	2.13	29.37	0.85
1.329	0.78	7.149	1.56	13.249	3.64	20.56	1.28	7.149	1.28	2.327	0.92	8.159	1.85	15.183	2.13	29.37	0.85
1.330	0.78	7.147	1.56	13.247	3.64	20.58	1.28	7.147	1.28	2.328	0.92	8.156	1.85	15.209	2.13	29.40	0.85
1.331	0.78	7.145	1.56	13.245	3.64	20.60	1.28	7.145	1.28	2.329	0.92	8.153	1.85	15.209	2.13	29.40	0.85
1.332	0.78	7.143	1.56	13.243	3.64	20.62	1.28	7.143	1.28	2.330	0.92	8.150	1.85	15.233	2.13	29.43	0.85
1.333	0.78	7.141	1.56	13.241	3.64	20.64	1.28	7.141	1.28	2.331	0.92	8.147	1.85	15.233	2.13	29.43	0.85
1.334	0.78	7.139	1.56	13.239	3.64	20.66	1.28	7.139	1.28	2.332	0.92	8.144	1.85	15.259	2.13	29.46	0.85
1.335	0.78	7.137	1.56	13.237	3.64	20.68	1.28	7.137	1.28	2.333	0.92	8.141	1.85	15.259	2.13	29.46	0.85
1.336	0.78	7.135	1.56	13.235	3.64	20.70	1.28	7.135	1.28	2.334	0.92	8.138	1.85	15.283	2.13	29.49	0.85
1.337	0.78	7.133	1.56	13.233	3.64	20.72	1.28	7.133	1.28	2.335	0.92	8.135	1.85	15.283	2.13	29.49	0.85
1.338	0.78	7.131	1.56	13.231	3.64	20.74	1.28	7.131	1.28	2.336	0.92	8.132	1.85	15.309	2.13	29.52	0.

3.333	0.92	9.383	2.27	15.459	2.13	21.48	0.85	4.489	1.14	19.549	3.27	16.599	1.28	22.55	0.85
3.350	0.92	9.400	2.27	15.467	2.13	21.59	0.85	4.417	1.14	19.467	3.27	16.517	1.28	22.57	0.85
3.367	0.92	9.417	2.27	15.474	2.13	21.52	0.85	4.433	1.14	19.433	3.27	16.533	1.28	22.58	0.85
3.384	0.92	9.434	2.27	15.481	2.13	21.52	0.85	4.450	1.14	19.450	3.27	16.550	1.28	22.58	0.85
3.400	0.92	9.450	2.27	15.500	2.13	21.55	0.85	4.467	1.14	19.517	3.27	16.567	1.28	22.62	0.85
3.417	0.92	9.467	2.27	15.517	2.13	21.57	0.85	4.483	1.14	19.483	3.27	16.583	1.28	22.63	0.85
3.434	0.92	9.484	2.27	15.534	2.13	21.57	0.85	4.483	1.14	19.483	3.27	16.583	1.28	22.63	0.85
3.450	0.92	9.500	2.27	15.550	2.13	21.60	0.85	4.517	1.14	19.567	3.27	16.617	1.28	22.67	0.85
3.467	0.92	9.517	2.27	15.567	2.13	21.62	0.85	4.533	1.14	19.533	3.27	16.633	1.28	22.68	0.85
3.484	0.92	9.534	2.27	15.584	2.13	21.62	0.85	4.533	1.14	19.533	3.27	16.633	1.28	22.68	0.85
3.500	0.92	9.550	2.27	15.600	2.13	21.65	0.85	4.567	1.14	19.617	3.27	16.667	1.28	22.72	0.85
3.517	0.92	9.567	2.27	15.617	2.13	21.67	0.85	4.583	1.14	19.583	3.27	16.683	1.28	22.73	0.85
3.534	0.92	9.584	2.27	15.634	2.13	21.67	0.85	4.583	1.14	19.583	3.27	16.683	1.28	22.73	0.85
3.550	0.92	9.600	2.27	15.650	2.13	21.70	0.85	4.617	1.14	19.667	3.27	16.717	1.28	22.77	0.85
3.567	0.92	9.617	2.27	15.667	2.13	21.72	0.85	4.633	1.14	19.633	3.27	16.733	1.28	22.78	0.85
3.584	0.92	9.634	2.27	15.684	2.13	21.72	0.85	4.633	1.14	19.633	3.27	16.733	1.28	22.78	0.85
3.600	0.92	9.650	2.27	15.700	2.13	21.75	0.85	4.667	1.14	19.717	3.27	16.767	1.28	22.82	0.85
3.617	0.92	9.667	2.27	15.717	2.13	21.77	0.85	4.683	1.14	19.683	3.27	16.783	1.28	22.83	0.85
3.634	0.92	9.684	2.27	15.734	2.13	21.78	0.85	4.683	1.14	19.683	3.27	16.783	1.28	22.83	0.85
3.650	0.92	9.700	2.27	15.750	2.13	21.80	0.85	4.717	1.14	19.767	3.27	16.817	1.28	22.86	0.85
3.667	0.92	9.717	2.27	15.767	2.13	21.82	0.85	4.733	1.14	19.733	3.27	16.833	1.28	22.88	0.85
3.684	0.92	9.734	2.27	15.784	2.13	21.82	0.85	4.733	1.14	19.733	3.27	16.833	1.28	22.88	0.85
3.700	0.92	9.750	2.27	15.800	2.13	21.85	0.85	4.767	1.14	19.817	3.27	16.867	1.28	22.90	0.85
3.717	0.92	9.767	2.27	15.817	2.13	21.87	0.85	4.783	1.14	19.783	3.27	16.883	1.28	22.93	0.85
3.734	0.92	9.784	2.27	15.834	2.13	21.87	0.85	4.783	1.14	19.783	3.27	16.883	1.28	22.93	0.85
3.750	0.92	9.800	2.27	15.850	2.13	21.90	0.85	4.817	1.14	19.867	3.27	16.917	1.28	22.95	0.85
3.767	0.92	9.817	2.27	15.867	2.13	21.92	0.85	4.833	1.14	19.833	3.27	16.933	1.28	22.98	0.85
3.784	0.92	9.834	2.27	15.884	2.13	21.93	0.85	4.850	1.14	19.800	3.27	16.950	1.28	23.00	0.85
3.800	0.92	9.850	2.27	15.900	2.13	21.95	0.85	4.867	1.14	19.867	3.27	16.967	1.28	23.00	0.85
3.817	0.92	9.867	2.27	15.917	2.13	21.97	0.85	4.883	1.14	19.833	3.27	16.983	1.28	23.03	0.85
3.834	0.92	9.884	2.27	15.934	2.13	21.98	0.85	4.900	1.14	19.850	3.27	17.000	1.28	23.05	0.85
3.850	0.92	9.900	2.27	15.950	2.13	22.02	0.85	4.933	1.14	19.933	3.27	17.033	1.28	23.08	0.85
3.867	0.92	9.917	2.27	15.967	2.13	22.02	0.85	4.933	1.14	19.933	3.27	17.033	1.28	23.08	0.85
3.884	0.92	9.934	2.27	15.984	2.13	22.03	0.85	4.950	1.14	19.900	3.27	17.050	1.28	23.10	0.85
3.900	0.92	9.950	2.27	16.000	2.13	22.06	0.85	4.967	1.14	19.967	3.27	17.067	1.28	23.13	0.85
3.917	0.92	9.967	2.27	16.017	2.13	22.07	0.85	4.983	1.14	19.983	3.27	17.083	1.28	23.15	0.85
3.934	0.92	9.984	2.27	16.034	2.13	22.08	0.85	5.000	1.14	19.950	3.27	17.100	1.28	23.15	0.85
3.950	0.92	10.000	2.27	16.050	2.13	22.11	0.85	5.033	1.14	20.033	3.27	17.133	1.28	23.18	0.85
3.967	0.92	10.017	2.27	16.067	2.13	22.11	0.85	5.033	1.14	20.033	3.27	17.133	1.28	23.18	0.85
3.984	0.92	10.034	2.27	16.084	2.13	22.13	0.85	5.050	1.14	20.000	3.27	17.150	1.28	23.20	0.85
3.999	0.92	10.049	2.27	16.099	2.13	22.13	0.85	5.050	1.14	20.000	3.27	17.150	1.28	23.20	0.85
4.000	0.92	10.050	2.27	16.100	2.13	22.16	0.85	5.100	1.14	20.100	3.27	17.200	1.28	23.25	0.85
4.017	0.92	10.067	2.27	16.117	2.13	22.17	0.85	5.083	1.14	20.133	3.27	17.233	1.28	23.25	0.85
4.034	0.92	10.084	2.27	16.134	2.13	22.18	0.85	5.100	1.14	20.100	3.27	17.200	1.28	23.25	0.85
4.050	0.92	10.100	2.27	16.150	2.13	22.21	0.85	5.133	1.14	20.133	3.27	17.233	1.28	23.28	0.85
4.067	0.92	10.117	2.27	16.167	2.13	22.22	0.85	5.133	1.14	20.133	3.27	17.233	1.28	23.28	0.85
4.084	0.92	10.134	2.27	16.184	2.13	22.23	0.85	5.150	1.14	20.167	3.27	17.267	1.28	23.30	0.85
4.099	0.92	10.149	2.27	16.199	2.13	22.23	0.85	5.150	1.14	20.167	3.27	17.267	1.28	23.30	0.85
4.100	0.92	10.150	2.27	16.200	2.13	22.25	0.85	5.183	1.14	20.233	3.27	17.333	1.28	23.33	0.85
4.117	0.92	10.167	2.27	16.217	2.13	22.27	0.85	5.183	1.14	20.233	3.27	17.333	1.28	23.33	0.85
4.134	0.92	10.184	2.27	16.234	2.13	22.28	0.85	5.200	1.14	20.200	3.27	17.350	1.28	23.35	0.85
4.149	0.92	10.199	2.27	16.249	2.13	22.28	0.85	5.200	1.14	20.200	3.27	17.350	1.28	23.35	0.85
4.150	0.92	10.200	2.27	16.250	2.13	22.30	0.85	5.233	1.14	20.233	3.27	17.383	1.28	23.38	0.85
4.167	0.92	10.217	2.27	16.267	2.13	22.33	0.85	5.233	1.14	20.233	3.27	17.383	1.28	23.38	0.85
4.184	0.92	10.234	2.27	16.284	2.13	22.33	0.85	5.250	1.14	20.250	3.27	17.400	1.28	23.40	0.85
4.199	0.92	10.249	2.27	16.299	2.13	22.33	0.85	5.250	1.14	20.250	3.27	17.400	1.28	23.40	0.85
4.200	0.92	10.250	2.27	16.300	2.13	22.36	0.85	5.283	1.14	20.283	3.27	17.433	1.28	23.42	0.85
4.217	0.92	10.267	2.27	16.317	2.13	22.38	0.85	5.283	1.14	20.283	3.27	17.433	1.28	23.42	0.85
4.234	0.92	10.284	2.27	16.334	2.13	22.38	0.85	5.300	1.14	20.300	3.27	17.450	1.28	23.45	0.85
4.249	0.92	10.299	2.27	16.349	2.13	22.38	0.85	5.300	1.14	20.300	3.27	17.450	1.28	23.45	0.85
4.250	0.92	10.300	2.27	16.350	2.13	22.40	0.85	5.333	1.14	20.333	3.27	17.483	1.28	23.47	0.85
4.267	0.92	10.317	2.27	16.367	2.13	22.42	0.85	5.333	1.14	20.333	3.27	17.483	1.28	23.47	0.85
4.284	0.92	10.334	2.27	16.384	2.13	22.43	0.85	5.350	1.14	20.350	3.27	17.500	1.28	23.50	0.85
4.299	0.92	10.349	2.27	16.399	2.13	22.43	0.85	5.350	1.14	20.350	3.27	17.500	1.28	23.50	0.85
4.300	0.92	10.350	2.27	16.400	2.13	22.45	0.85	5.387	1.14	20.387	3.27	17.533	1.28	23.52	0.85
4.317	0.92	10.367	2.27	16.417	2.13	22.45	0.85	5.387	1.14	20.387	3.27	17.533	1.28	23.52	0.85
4.334	0.92	10.384	2.27	16.434	2.13	22.48	0.85	5.480	1.14	20.480	3.27	17.580	1.28	23.55	0.85
4.349	0.92	10.399	2.27	16.449	2.13	22.48	0.85	5.480	1.14	20.480	3.27	17.580	1.28	23.55	0.85
4.350	0.92	10.400	2.27	16.450	2.13	22.50	0.85	5.437	1.14	20.437	3.27	17.537	1.28	23.57	0.85
4.367	0.92	10.417	2.27	16.467	2.13	22.52	0.85	5.437	1.14	20.437	3.27	17.537	1.28	23.57	0.85
4.384	0.92	10.434	2.27	16.484	2.13	22.53	0.85	5.450	1.14	20.450	3.27	17.550	1.28	23.60	0.85
4.399	0.92	10.449	2.27	16.499	2.13	22.55	0.85	5.450	1.14	20.450	3.27	17.550	1.28	23.60	0.85
4.400	0.92	10.450	2.27	16.500	2.13	22.55	0.85	5.450	1.14	20.450	3.27	17.550	1.28	23.60	0.85

5.467	1.14	11.517	6.82	17.567	1.28	23.62	0.85
5.483	1.14	11.533	6.82	17.583	1.28	23.63	0.85
5.500	1.14	11.549	6.82	17.600	1.28	23.64	0.85
5.517	1.14	11.565	6.82	17.617	1.28	23.67	0.85
5.533	1.14	11.583	6.82	17.633	1.28	23.68	0.85
5.550	1.14	11.600	6.82	17.650	1.28	23.69	0.85
5.567	1.14	11.617	6.82	17.667	1.28	23.72	0.85
5.583	1.14	11.633	6.82	17.683	1.28	23.73	0.85
5.600	1.14	11.650	6.82	17.700	1.28	23.77	0.85
5.617	1.14	11.667	6.82	17.717	1.28	23.78	0.85
5.633	1.14	11.683	21.02	17.733	1.28	23.78	0.85
5.650	1.14	11.700	21.03	17.750	1.28	23.80	0.85
5.667	1.14	11.717	21.03	17.767	1.28	23.81	0.85
5.683	1.14	11.733	21.03	17.783	1.28	23.83	0.85
5.700	1.14	11.750	21.03	17.800	1.28	23.85	0.85
5.717	1.14	11.767	21.03	17.817	1.28	23.86	0.85
5.733	1.14	11.783	21.03	17.833	1.28	23.88	0.85
5.750	1.14	11.800	21.03	17.850	1.28	23.90	0.85
5.767	1.14	11.817	21.03	17.867	1.28	23.93	0.85
5.783	1.14	11.833	21.03	17.883	1.28	23.93	0.85
5.800	1.14	11.850	53.97	17.900	1.28	23.95	0.85
5.817	1.14	11.867	53.97	17.917	1.28	23.98	0.85
5.833	1.14	11.883	53.99	17.933	1.28	23.98	0.85
5.850	1.14	11.900	53.99	17.950	1.28	24.00	0.85
5.867	1.14	11.917	53.99	17.967	1.28	24.03	0.85
5.883	1.14	11.933	53.99	17.983	1.28	24.03	0.85
5.900	1.14	11.950	53.99	18.000	1.28	24.05	0.85
5.917	1.14	11.967	53.99	18.017	1.28	24.07	0.85
5.933	1.14	11.983	53.99	18.033	1.28	24.07	0.85
5.950	1.14	12.000	53.99	18.050	1.28	24.10	0.85
5.967	1.14	12.017	53.99	18.067	1.28	24.12	0.85
5.983	1.14	12.033	53.99	18.083	1.28	24.12	0.85
6.000	1.14	12.050	86.95	18.100	1.28	24.15	0.85
6.017	1.14	12.067	86.95	18.117	1.28	24.17	0.85
6.033	1.14	12.083	86.95	18.133	1.28	24.17	0.85
6.050	1.14	12.100	86.95	18.150	1.28	24.17	0.85

Max. Eff. Inter. (mm/hr) =	95.05	11.40
Storage Coeff. (min) =	1.31	4.96 (11)
Unit Hy. Peak (mm) =	0.44	0.23
Unit Hy. Peak (mm) =	0.44	0.23
PEAK FLOW (cms) =	92.91	0.024 (111)
TOTAL RAINFALL (mm) =	70.64	44.50
TOTAL RAINFALL (mm) =	71.04	52.14
RUNOFF COEFFICIENT =	0.99	0.73

(1) CN PROCEDURE SELECTED FOR PREVIOUS LOSSSES.
 (11) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 (111) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

Area (ha) =	0.10
Total Imperv (%) =	69.69
Dir. Conn. (%) =	30.00
Imperious (%) =	0.00
Pervious (%) =	0.04

Surface Area

93

Dep. Storage (mm) =	1.00	5.00
Average Slope (%) =	7.00	2.00
Manholes n	0.633	0.250
NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.		
TIME TRANSFORMED HYETROGRAPH		
TIME	TIME	TIME
hrs	hrs	hrs
mm/hr	mm/hr	mm/hr
0.017	0.00	0.00
0.033	0.00	0.00
0.050	0.00	0.00
0.067	0.00	0.00
0.083	0.00	0.00
0.100	0.00	0.00
0.117	0.00	0.00
0.133	0.00	0.00
0.150	0.00	0.00
0.167	0.00	0.00
0.183	0.00	0.00
0.200	0.00	0.00
0.217	0.00	0.00
0.233	0.00	0.00
0.250	0.00	0.00
0.267	0.00	0.00
0.283	0.00	0.00
0.300	0.00	0.00
0.317	0.00	0.00
0.333	0.00	0.00
0.350	0.00	0.00
0.367	0.00	0.00
0.383	0.00	0.00
0.400	0.00	0.00
0.417	0.00	0.00
0.433	0.00	0.00
0.450	0.00	0.00
0.467	0.00	0.00
0.483	0.00	0.00
0.500	0.00	0.00
0.517	0.00	0.00
0.533	0.00	0.00
0.550	0.00	0.00
0.567	0.00	0.00
0.583	0.00	0.00
0.600	0.00	0.00
0.617	0.00	0.00
0.633	0.00	0.00
0.650	0.00	0.00
0.667	0.00	0.00
0.683	0.00	0.00
0.700	0.00	0.00
0.717	0.00	0.00
0.733	0.00	0.00
0.750	0.00	0.00
0.767	0.00	0.00
0.783	0.00	0.00
0.800	0.00	0.00
0.817	0.00	0.00
0.833	0.00	0.00
0.850	0.00	0.00
0.867	0.00	0.00
0.883	0.00	0.00
0.900	0.00	0.00
0.917	0.00	0.00
0.933	0.00	0.00
0.950	0.00	0.00
0.967	0.00	0.00
0.983	0.00	0.00
1.000	0.00	0.00
1.017	0.00	0.00
1.033	0.00	0.00
1.050	0.00	0.00
1.067	0.00	0.00
1.083	0.00	0.00
1.100	0.00	0.00
1.117	0.00	0.00
1.133	0.00	0.00
1.150	0.00	0.00
1.167	0.00	0.00
1.183	0.00	0.00
1.200	0.00	0.00
1.217	0.00	0.00
1.233	0.00	0.00
1.250	0.00	0.00
1.267	0.00	0.00
1.283	0.00	0.00
1.300	0.00	0.00
1.317	0.00	0.00
1.333	0.00	0.00
1.350	0.00	0.00
1.367	0.00	0.00
1.383	0.00	0.00
1.400	0.00	0.00
1.417	0.00	0.00
1.433	0.00	0.00
1.450	0.00	0.00
1.467	0.00	0.00
1.483	0.00	0.00
1.500	0.00	0.00
1.517	0.00	0.00
1.533	0.00	0.00
1.550	0.00	0.00
1.567	0.00	0.00
1.583	0.00	0.00
1.600	0.00	0.00
1.617	0.00	0.00
1.633	0.00	0.00
1.650	0.00	0.00
1.667	0.00	0.00
1.683	0.00	0.00
1.700	0.00	0.00
1.717	0.00	0.00
1.733	0.00	0.00
1.750	0.00	0.00
1.767	0.00	0.00
1.783	0.00	0.00
1.800	0.00	0.00
1.817	0.00	0.00
1.833	0.00	0.00
1.850	0.00	0.00
1.867	0.00	0.00
1.883	0.00	0.00
1.900	0.00	0.00
1.917	0.00	0.00
1.933	0.00	0.00
1.950	0.00	0.00
1.967	0.00	0.00
1.983	0.00	0.00
2.000	0.00	0.00
2.017	0.00	0.00
2.033	0.00	0.00
2.050	0.00	0.00
2.067	0.00	0.00
2.083	0.00	0.00
2.100	0.00	0.00
2.117	0.00	0.00
2.133	0.00	0.00
2.150	0.00	0.00
2.167	0.00	0.00
2.183	0.00	0.00
2.200	0.00	0.00
2.217	0.00	0.00
2.233	0.00	0.00
2.250	0.00	0.00
2.267	0.00	0.00
2.283	0.00	0.00
2.300	0.00	0.00
2.317	0.00	0.00
2.333	0.00	0.00
2.350	0.00	0.00
2.367	0.00	0.00
2.383	0.00	0.00
2.400	0.00	0.00
2.417	0.00	0.00
2.433	0.00	0.00
2.450	0.00	0.00
2.467	0.00	0.00
2.483	0.00	0.00
2.500	0.00	0.00
2.517	0.00	0.00
2.533	0.00	0.00
2.550	0.00	0.00
2.567	0.00	0.00
2.583	0.00	0.00
2.600	0.00	0.00
2.617	0.00	0.00
2.633	0.00	0.00
2.650	0.00	0.00
2.667	0.00	0.00
2.683	0.00	0.00
2.700	0.00	0.00
2.717	0.00	0.00
2.733	0.00	0.00
2.750	0.00	0.00
2.767	0.00	0.00
2.783	0.00	0.00
2.800	0.00	0.00
2.817	0.00	0.00
2.833	0.00	0.00
2.850	0.00	0.00
2.867	0.00	0.00
2.883	0.00	0.00
2.900	0.00	0.00
2.917	0.00	0.00
2.933	0.00	0.00
2.950	0.00	0.00
2.967	0.00	0.00
2.983	0.00	0.00
3.000	0.00	0.00
3.017	0.00	0.00

94

0.900	0.78	6.950	1.28	13.000	5.26	19.05	1.28
0.917	0.78	6.967	1.28	13.017	5.26	19.07	1.28
0.933	0.78	6.983	1.28	13.033	5.26	19.10	1.28
0.950	0.78	7.000	1.28	13.050	5.26	19.12	1.28
0.967	0.78	7.017	1.28	13.067	5.26	19.15	1.28
0.983	0.78	7.033	1.28	13.083	5.26	19.15	1.28
1.000	0.78	7.050	1.28	13.100	5.26	19.17	1.28
1.017	0.78	7.067	1.28	13.117	5.26	19.17	1.28
1.033	0.78	7.083	1.28	13.133	5.26	19.20	1.28
1.050	0.78	7.100	1.28	13.150	5.26	19.22	1.28
1.067	0.78	7.117	1.28	13.167	5.26	19.22	1.28
1.083	0.78	7.133	1.28	13.183	5.26	19.22	1.28
1.100	0.78	7.150	1.28	13.200	5.26	19.22	1.28
1.117	0.78	7.167	1.28	13.217	5.26	19.27	1.28
1.133	0.78	7.183	1.28	13.233	5.26	19.28	1.28
1.150	0.78	7.200	1.28	13.250	5.26	19.28	1.28
1.167	0.78	7.217	1.28	13.267	5.26	19.32	1.28
1.183	0.78	7.233	1.28	13.283	5.26	19.33	1.28
1.200	0.78	7.250	1.28	13.300	5.26	19.37	1.28
1.217	0.78	7.267	1.28	13.317	5.26	19.37	1.28
1.233	0.78	7.283	1.28	13.333	5.26	19.38	1.28
1.250	0.78	7.300	1.28	13.350	5.26	19.42	1.28
1.267	0.78	7.317	1.28	13.367	5.26	19.42	1.28
1.283	0.78	7.333	1.28	13.383	5.26	19.43	1.28
1.300	0.78	7.350	1.28	13.400	5.26	19.47	1.28

3.650	0.92	3.650	1.99	15.153	2.13	21.28	0.95	4.199	0.92	10.157	2.56	16.200	1.28	22.27	0.95
3.667	0.92	3.667	1.99	15.157	2.13	21.22	0.95	4.133	0.92	10.157	2.56	16.207	1.28	22.27	0.95
3.684	0.92	3.684	1.99	15.161	2.13	21.16	0.95	4.149	0.92	10.183	2.56	16.214	1.28	22.28	0.95
3.701	0.92	3.701	1.99	15.165	2.13	21.10	0.95	4.165	0.92	10.183	2.56	16.221	1.28	22.28	0.95
3.718	0.92	3.718	1.99	15.169	2.13	21.04	0.95	4.181	0.92	10.183	2.56	16.228	1.28	22.29	0.95
3.735	0.92	3.735	1.99	15.173	2.13	20.98	0.95	4.197	0.92	10.183	2.56	16.235	1.28	22.29	0.95
3.752	0.92	3.752	1.99	15.177	2.13	20.92	0.95	4.213	0.92	10.183	2.56	16.242	1.28	22.30	0.95
3.769	0.92	3.769	1.99	15.181	2.13	20.86	0.95	4.229	0.92	10.183	2.56	16.249	1.28	22.30	0.95
3.786	0.92	3.786	1.99	15.185	2.13	20.80	0.95	4.245	0.92	10.183	2.56	16.256	1.28	22.31	0.95
3.803	0.92	3.803	1.99	15.189	2.13	20.74	0.95	4.261	0.92	10.183	2.56	16.263	1.28	22.31	0.95
3.820	0.92	3.820	1.99	15.193	2.13	20.68	0.95	4.277	0.92	10.183	2.56	16.270	1.28	22.32	0.95
3.837	0.92	3.837	1.99	15.197	2.13	20.62	0.95	4.293	0.92	10.183	2.56	16.277	1.28	22.32	0.95
3.854	0.92	3.854	1.99	15.201	2.13	20.56	0.95	4.309	0.92	10.183	2.56	16.284	1.28	22.33	0.95
3.871	0.92	3.871	1.99	15.205	2.13	20.50	0.95	4.325	0.92	10.183	2.56	16.291	1.28	22.33	0.95
3.888	0.92	3.888	1.99	15.209	2.13	20.44	0.95	4.341	0.92	10.183	2.56	16.298	1.28	22.34	0.95
3.905	0.92	3.905	1.99	15.213	2.13	20.38	0.95	4.357	0.92	10.183	2.56	16.305	1.28	22.34	0.95
3.922	0.92	3.922	1.99	15.217	2.13	20.32	0.95	4.373	0.92	10.183	2.56	16.312	1.28	22.35	0.95
3.939	0.92	3.939	1.99	15.221	2.13	20.26	0.95	4.389	0.92	10.183	2.56	16.319	1.28	22.35	0.95
3.956	0.92	3.956	1.99	15.225	2.13	20.20	0.95	4.405	0.92	10.183	2.56	16.326	1.28	22.36	0.95
3.973	0.92	3.973	1.99	15.229	2.13	20.14	0.95	4.421	0.92	10.183	2.56	16.333	1.28	22.36	0.95
3.990	0.92	3.990	1.99	15.233	2.13	20.08	0.95	4.437	0.92	10.183	2.56	16.340	1.28	22.37	0.95
4.007	0.92	4.007	1.99	15.237	2.13	20.02	0.95	4.453	0.92	10.183	2.56	16.347	1.28	22.37	0.95
4.024	0.92	4.024	1.99	15.241	2.13	19.96	0.95	4.469	0.92	10.183	2.56	16.354	1.28	22.38	0.95
4.041	0.92	4.041	1.99	15.245	2.13	19.90	0.95	4.485	0.92	10.183	2.56	16.361	1.28	22.38	0.95
4.058	0.92	4.058	1.99	15.249	2.13	19.84	0.95	4.501	0.92	10.183	2.56	16.368	1.28	22.39	0.95
4.075	0.92	4.075	1.99	15.253	2.13	19.78	0.95	4.517	0.92	10.183	2.56	16.375	1.28	22.39	0.95
4.092	0.92	4.092	1.99	15.257	2.13	19.72	0.95	4.533	0.92	10.183	2.56	16.382	1.28	22.40	0.95
4.109	0.92	4.109	1.99	15.261	2.13	19.66	0.95	4.549	0.92	10.183	2.56	16.389	1.28	22.40	0.95
4.126	0.92	4.126	1.99	15.265	2.13	19.60	0.95	4.565	0.92	10.183	2.56	16.396	1.28	22.41	0.95
4.143	0.92	4.143	1.99	15.269	2.13	19.54	0.95	4.581	0.92	10.183	2.56	16.403	1.28	22.41	0.95
4.160	0.92	4.160	1.99	15.273	2.13	19.48	0.95	4.597	0.92	10.183	2.56	16.410	1.28	22.42	0.95
4.177	0.92	4.177	1.99	15.277	2.13	19.42	0.95	4.613	0.92	10.183	2.56	16.417	1.28	22.42	0.95
4.194	0.92	4.194	1.99	15.281	2.13	19.36	0.95	4.629	0.92	10.183	2.56	16.424	1.28	22.43	0.95
4.211	0.92	4.211	1.99	15.285	2.13	19.30	0.95	4.645	0.92	10.183	2.56	16.431	1.28	22.43	0.95
4.228	0.92	4.228	1.99	15.289	2.13	19.24	0.95	4.661	0.92	10.183	2.56	16.438	1.28	22.44	0.95
4.245	0.92	4.245	1.99	15.293	2.13	19.18	0.95	4.677	0.92	10.183	2.56	16.445	1.28	22.44	0.95
4.262	0.92	4.262	1.99	15.297	2.13	19.12	0.95	4.693	0.92	10.183	2.56	16.452	1.28	22.45	0.95
4.279	0.92	4.279	1.99	15.301	2.13	19.06	0.95	4.709	0.92	10.183	2.56	16.459	1.28	22.45	0.95
4.296	0.92	4.296	1.99	15.305	2.13	19.00	0.95	4.725	0.92	10.183	2.56	16.466	1.28	22.46	0.95
4.313	0.92	4.313	1.99	15.309	2.13	18.94	0.95	4.741	0.92	10.183	2.56	16.473	1.28	22.46	0.95
4.330	0.92	4.330	1.99	15.313	2.13	18.88	0.95	4.757	0.92	10.183	2.56	16.480	1.28	22.47	0.95
4.347	0.92	4.347	1.99	15.317	2.13	18.82	0.95	4.773	0.92	10.183	2.56	16.487	1.28	22.47	0.95
4.364	0.92	4.364	1.99	15.321	2.13	18.76	0.95	4.789	0.92	10.183	2.56	16.494	1.28	22.48	0.95
4.381	0.92	4.381	1.99	15.325	2.13	18.70	0.95	4.805	0.92	10.183	2.56	16.501	1.28	22.48	0.95
4.398	0.92	4.398	1.99	15.329	2.13	18.64	0.95	4.821	0.92	10.183	2.56	16.508	1.28	22.49	0.95
4.415	0.92	4.415	1.99	15.333	2.13	18.58	0.95	4.837	0.92	10.183	2.56	16.515	1.28	22.49	0.95
4.432	0.92	4.432	1.99	15.337	2.13	18.52	0.95	4.853	0.92	10.183	2.56	16.522	1.28	22.50	0.95
4.449	0.92	4.449	1.99	15.341	2.13	18.46	0.95	4.869	0.92	10.183	2.56	16.529	1.28	22.50	0.95
4.466	0.92	4.466	1.99	15.345	2.13	18.40	0.95	4.885	0.92	10.183	2.56	16.536	1.28	22.51	0.95
4.483	0.92	4.483	1.99	15.349	2.13	18.34	0.95	4.901	0.92	10.183	2.56	16.543	1.28	22.51	0.95
4.500	0.92	4.500	1.99	15.353	2.13	18.28	0.95	4.917	0.92	10.183	2.56	16.550	1.28	22.52	0.95
4.517	0.92	4.517	1.99	15.357	2.13	18.22	0.95	4.933	0.92	10.183	2.56	16.557	1.28	22.52	0.95
4.534	0.92	4.534	1.99	15.361	2.13	18.16	0.95	4.949	0.92	10.183	2.56	16.564	1.28	22.53	0.95
4.551	0.92	4.551	1.99	15.365	2.13	18.10	0.95	4.965	0.92	10.183	2.56	16.571	1.28	22.53	0.95
4.568	0.92	4.568	1.99	15.369	2.13	18.04	0.95	4.981	0.92	10.183	2.56	16.578	1.28	22.54	0.95
4.585	0.92	4.585	1.99	15.373	2.13	17.98	0.95	4.997	0.92	10.183	2.56	16.585	1.28	22.54	0.95
4.602	0.92	4.602	1.99	15.377	2.13	17.92	0.95	5.013	0.92	10.183	2.56	16.592	1.28	22.55	0.95
4.619	0.92	4.619	1.99	15.381	2.13	17.86	0.95	5.029	0.92	10.183	2.56	16.599	1.28	22.55	0.95
4.636	0.92	4.636	1.99	15.385	2.13	17.80	0.95	5.045	0.92	10.183	2.56	16.606	1.28	22.56	0.95
4.653	0.92	4.653	1.99	15.389	2.13	17.74	0.95	5.061	0.92	10.183	2.56	16.613	1.28	22.56	0.95
4.670	0.92	4.670	1.99	15.393	2.13	17.68	0.95	5.077	0.92	10.183	2.56	16.620	1.28	22.57	0.95
4.687	0.92	4.687	1.99	15.397	2.13	17.62	0.95	5.093	0.92	10.183	2.56	16.627	1.28	22.57	0.95
4.704	0.92	4.704	1.99	15.401	2.13	17.56	0.95	5.109	0.92	10.183	2.56	16.634	1.28	22.58	0.95
4.721	0.92	4.721	1.99	15.405	2.13	17.50	0.95	5.125	0.92	10.183	2.56	16.641	1.28	22.58	0.95
4.738	0.92	4.738	1.99	15.409	2.13	17.44	0.95	5.141	0.92	10.183	2.56	16.648	1.28	22.59	0.95
4.755	0.92	4.755	1.99	15.413	2.13	17.38	0.95	5.157	0.92	10.183	2.56	16.655	1.28	22.59	0.95
4.772	0.92	4.772	1.99	15.417	2.13	17.32	0.95	5.173	0.92	10.183	2.56	16.662	1.28	22.60	0.95
4.789	0.92	4.789	1.99	15.421	2.13	17.26	0.95	5.189	0.92	10.183	2.56	16.669	1.28	22.60	0.95
4.806	0.92	4.806	1.99	15.425	2.13	17.20	0.95	5.205	0.92	10.183	2.56	16.676	1.28	22.61	0.95
4.823	0.92	4.823	1.99	15.429	2.13	17.14	0.95	5.221	0.92	10.183	2.56	16.683	1.28	22.61	0.95
4.840	0.92	4.840	1.99	15.433	2.13	17.08	0.95	5.237	0.92	10.183	2.56	16.690	1.28	22.62	0.95
4.857	0.92	4.857	1.99	15.437	2.13	17.02	0.95	5.253	0.92	10.183	2.56	16.697	1.28	22.62	0.95
4.874	0.92	4.874	1.99	15.441	2.13	16.96	0.95	5.269	0.92	10.183	2.56	16.704	1.28	22.63	0.95
4.891	0.92	4.891	1.99	15.445	2.13	16.90	0.95	5.285	0.92	10.183	2.56	16.711	1.28	22.63	0.95
4.908	0.92	4.908	1.99	15.449	2.13	16.84	0.95	5.301	0.92	10.183	2.56	16.718	1.28	22.64	0.95
4.925	0.92	4.925	1.99	15.453	2.13	16.78	0.95	5.317	0.92	10.183	2.56	16.725	1.28	22.64	0.95
4.942	0.92	4.942	1.99	15.457	2.13	16.72	0.95	5.333	0.92	10.183	2.56	16.732	1.28	22.65	0.95
4.959	0.92	4.959	1.99	15.461	2.13	16.66	0.95	5.349	0.92	10.183	2.56	16.739	1.28		

46

5.167	1.14	11.217	6.82	17.267	1.28	23.32	0.85
5.183	1.14	11.233	6.82	17.283	1.28	23.35	0.85
5.200	1.14	11.250	6.82	17.300	1.28	23.35	0.85
5.216	1.14	11.266	6.82	17.316	1.28	23.35	0.85
5.233	1.14	11.283	6.82	17.333	1.28	23.36	0.85
5.250	1.14	11.300	6.82	17.350	1.28	23.40	0.85
5.267	1.14	11.317	6.82	17.367	1.28	23.40	0.85
5.283	1.14	11.333	6.82	17.383	1.28	23.43	0.85
5.300	1.14	11.350	6.82	17.400	1.28	23.45	0.85
5.317	1.14	11.367	6.82	17.417	1.28	23.45	0.85
5.333	1.14	11.383	6.82	17.433	1.28	23.48	0.85
5.350	1.14	11.400	6.82	17.450	1.28	23.50	0.85
5.367	1.14	11.417	6.82	17.467	1.28	23.52	0.85
5.383	1.14	11.433	6.82	17.483	1.28	23.52	0.85
5.400	1.14	11.450	6.82	17.500	1.28	23.55	0.85
5.417	1.14	11.467	6.82	17.517	1.28	23.55	0.85
5.433	1.14	11.483	6.82	17.533	1.28	23.59	0.85
5.450	1.14	11.500	6.82	17.550	1.28	23.60	0.85
5.467	1.14	11.517	6.82	17.567	1.28	23.62	0.85
5.483	1.14	11.533	6.82	17.583	1.28	23.63	0.85
5.500	1.14	11.550	6.82	17.600	1.28	23.65	0.85
5.517	1.14	11.567	6.82	17.617	1.28	23.66	0.85
5.533	1.14	11.583	6.82	17.633	1.28	23.69	0.85
5.550	1.14	11.600	6.82	17.650	1.28	23.70	0.85
5.567	1.14	11.617	6.82	17.667	1.28	23.72	0.85
5.583	1.14	11.633	6.82	17.683	1.28	23.72	0.85
5.600	1.14	11.650	6.82	17.700	1.28	23.75	0.85
5.617	1.14	11.667	6.82	17.717	1.28	23.75	0.85
5.633	1.14	11.683	6.82	17.733	1.28	23.77	0.85
5.650	1.14	11.700	6.82	17.750	1.28	23.80	0.85
5.667	1.14	11.717	6.82	17.767	1.28	23.82	0.85
5.683	1.14	11.733	6.82	17.783	1.28	23.82	0.85
5.700	1.14	11.750	6.82	17.800	1.28	23.85	0.85
5.717	1.14	11.767	6.82	17.817	1.28	23.87	0.85
5.733	1.14	11.783	6.82	17.833	1.28	23.87	0.85
5.750	1.14	11.800	6.82	17.850	1.28	23.90	0.85
5.767	1.14	11.817	6.82	17.867	1.28	23.92	0.85
5.783	1.14	11.833	6.82	17.883	1.28	23.92	0.85
5.800	1.14	11.850	6.82	17.900	1.28	23.95	0.85
5.817	1.14	11.867	6.82	17.917	1.28	23.97	0.85
5.833	1.14	11.883	6.82	17.933	1.28	23.97	0.85
5.850	1.14	11.900	6.82	17.950	1.28	24.00	0.85
5.867	1.14	11.917	6.82	17.967	1.28	24.02	0.85
5.883	1.14	11.933	6.82	17.983	1.28	24.03	0.85
5.900	1.14	11.950	6.82	18.000	1.28	24.06	0.85
5.917	1.14	11.967	6.82	18.017	1.28	24.07	0.85
5.933	1.14	11.983	6.82	18.033	1.28	24.10	0.85
5.950	1.14	12.000	6.82	18.050	1.28	24.12	0.85
5.967	1.14	12.017	6.82	18.067	1.28	24.12	0.85
5.983	1.14	12.033	6.82	18.083	1.28	24.13	0.85
5.999	1.14	12.049	6.82	18.099	1.28	24.14	0.85
6.017	1.14	12.067	6.82	18.117	1.28	24.17	0.85

35. 65

Input	filename:	C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\vo2in.dat
Output	filename:	
C:\Users\user\AppData\Local\Virtual Machines\35c3f4b5-d477-4180-893e-c6770506094a\VF4f60		
d3d-9ad0-4267-9653-0aa835723f1\scen		
C:\Users\user\AppData\Local\Virtual Machines\35c3f4b5-d477-4180-893e-c6770506094a\VF4f60		
d3d-9ad0-4267-9653-0aa835723f1\scen		

***** DETAILED OUTPUT *****

TOTAL RAINFALL (mm) = 43.00 43.00 43.00
RUNOFF COEFFICIENT = 0.98 0.59 0.73

(1) CN PROCEDURE SELECTED FOR PREVIOUS LOSSES:
(11) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL TO THE STORAGE COEFFICIENT.
(111) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0206)
ID= 1 DT= 1.0 min

Area (ha) = 1.53
Total Imp(%) = 59.00 Dir. Com. (%) = 1.00

Surface Area (ha) = 0.76
ImperVIOUS (PERVIOUS (1)) = 0.76
Average Slope (%) = 1.00
Length (m) = 2.00
Manning's n = 0.013

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
0.017	0.00	0.800	7.98	1.583	38.31	2.37	6.50
0.033	0.00	0.817	7.98	1.600	24.10	2.38	6.50
0.050	0.00	0.833	7.98	1.617	24.10	2.39	6.50
0.067	0.00	0.850	8.97	1.633	24.10	2.42	6.50
0.083	0.00	0.867	8.97	1.650	24.10	2.43	6.50
0.100	0.00	0.883	8.97	1.667	24.10	2.44	6.50
0.117	4.48	0.900	8.97	1.683	17.82	2.47	6.07
0.133	4.48	0.917	8.97	1.700	17.82	2.48	6.07
0.150	4.48	0.933	10.38	1.717	17.82	2.52	5.71
0.167	4.48	0.950	10.38	1.733	17.82	2.52	5.71
0.183	4.75	0.967	10.38	1.750	17.82	2.53	5.71
0.200	4.75	0.983	10.38	1.767	14.29	2.57	5.71
0.217	4.75	1.000	10.38	1.783	14.29	2.57	5.71
0.233	4.75	1.017	12.17	1.800	14.29	2.58	5.71
0.250	4.95	1.033	12.17	1.817	14.29	2.60	5.39
0.267	4.95	1.050	12.17	1.833	14.29	2.60	5.39
0.283	4.99	1.067	12.17	1.850	12.61	2.63	5.39
0.300	4.99	1.083	12.17	1.867	12.61	2.65	5.39
0.317	4.99	1.100	12.17	1.883	12.61	2.65	5.39
0.333	4.99	1.117	15.95	1.900	12.61	2.68	5.11
0.350	5.38	1.133	15.95	1.917	12.61	2.70	5.11
0.367	5.38	1.150	15.95	1.933	10.42	2.73	5.11
0.383	5.38	1.167	15.95	1.950	10.42	2.75	5.11
0.400	5.38	1.183	20.06	1.967	10.42	2.76	4.87
0.417	5.66	1.200	20.06	1.983	10.42	2.78	4.87
0.433	5.66	1.217	20.06	2.000	10.42	2.78	4.87
0.450	5.66	1.233	20.06	2.017	9.23	2.80	4.87
0.467	5.66	1.250	31.95	2.033	9.23	2.83	4.87
0.483	5.66	1.267	31.95	2.050	9.23	2.83	4.87
0.500	5.66	1.283	31.95	2.067	9.23	2.85	4.64
0.517	6.09	1.300	31.95	2.083	9.23	2.85	4.64
0.533	6.09	1.317	31.95	2.100	8.32	2.88	4.64
0.550	6.09	1.333	31.95	2.117	8.32	2.90	4.64
0.567	6.09	1.350	31.95	2.133	8.32	2.92	4.64
0.583	6.09	1.367	31.95	2.150	8.32	2.93	4.45
0.599	6.09	1.377	31.95	2.167	8.32	2.93	4.45

105

INFLOW: ID= 2 (0024)
OUTFLOW: ID= 1 (0002)

Area (ha) = 0.13
Total Imp(%) = 60.00 Dir. Com. (%) = 30.00

Surface Area (ha) = 0.08
ImperVIOUS (PERVIOUS (1)) = 0.08
Average Slope (%) = 0.95
Length (m) = 1.00
Manning's n = 0.013

CALIB
STANDHYD (0202)
ID= 1 DT= 1.0 min

Area (ha) = 0.13
Total Imp(%) = 60.00 Dir. Com. (%) = 30.00

Surface Area (ha) = 0.08
ImperVIOUS (PERVIOUS (1)) = 0.08
Average Slope (%) = 0.95
Length (m) = 1.00
Manning's n = 0.013

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
0.017	0.00	0.800	7.98	1.583	38.31	2.37	6.50
0.033	0.00	0.817	7.98	1.600	24.10	2.38	6.50
0.050	0.00	0.833	7.98	1.617	24.10	2.39	6.50
0.067	0.00	0.850	8.97	1.633	24.10	2.42	6.50
0.083	0.00	0.867	8.97	1.650	24.10	2.43	6.50
0.100	0.00	0.883	8.97	1.667	24.10	2.44	6.50
0.117	4.48	0.900	8.97	1.683	17.82	2.47	6.07
0.133	4.48	0.917	8.97	1.700	17.82	2.48	6.07
0.150	4.48	0.933	10.38	1.717	17.82	2.52	5.71
0.167	4.48	0.950	10.38	1.733	17.82	2.52	5.71
0.183	4.75	0.967	10.38	1.750	17.82	2.53	5.71
0.200	4.75	0.983	10.38	1.767	14.29	2.57	5.71
0.217	4.75	1.000	10.38	1.783	14.29	2.57	5.71
0.233	4.75	1.017	12.17	1.800	14.29	2.58	5.71
0.250	4.95	1.033	12.17	1.817	14.29	2.60	5.39
0.267	4.95	1.050	12.17	1.833	14.29	2.60	5.39
0.283	4.99	1.067	12.17	1.850	12.61	2.63	5.39
0.300	4.99	1.083	12.17	1.867	12.61	2.65	5.39
0.317	4.99	1.100	12.17	1.883	12.61	2.67	5.39
0.333	4.99	1.117	15.95	1.900	12.61	2.68	5.11
0.350	5.38	1.133	15.95	1.917	12.61	2.70	5.11
0.367	5.38	1.150	15.95	1.933	10.42	2.73	5.11
0.383	5.38	1.167	15.95	1.950	10.42	2.75	5.11
0.400	5.38	1.183	20.06	1.967	10.42	2.76	4.87
0.417	5.38	1.200	20.06	1.983	10.42	2.77	4.87

107

0.600 6.60 1.383 72.79 2.167 8.32 2.95 4.45
0.617 6.60 1.400 72.79 2.183 7.59 2.97 4.45
0.633 6.60 1.417 72.79 2.200 7.59 2.97 4.45
0.650 6.60 1.433 96.42 2.217 7.59 3.00 4.45
0.667 6.60 1.450 96.42 2.233 7.59 3.02 4.27
0.683 6.60 1.467 96.42 2.250 7.59 3.02 4.27
0.700 7.21 1.483 96.42 2.267 6.99 3.05 4.27
0.717 7.21 1.500 96.42 2.283 6.99 3.07 4.27
0.733 7.21 1.517 38.31 2.299 6.99 3.07 4.27
0.750 7.21 1.533 38.31 2.317 6.99 3.08 4.27
0.767 7.98 1.550 38.31 2.333 6.99 3.88 4.27
0.783 7.98 1.567 38.31 2.350 6.99 3.88 4.27

Max.Eff.Inten.(mm/hr)= 96.42 94.70
Storage Coeff.(min)= 5.99 5.00
Unit Hyd. Tpeak (min)= 5.99 5.00
Unit Hyd. Peak (cms)= 0.55 0.24

PEAK FLOW (cms)= 0.90 0.19
TIME TO PEAK (hrs)= 1.58 1.53
TOTAL RAINFALL (mm)= 43.00 43.00
RUNOFF COEFFICIENT = 0.98 0.53

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!
***** WARNING: FOR AREAS WITH IMPERVIOUS RATIOS BELOW 20% YOU SHOULD CONSIDER SPLITTING THE AREA.

(1) CN PROCEDURE SELECTED FOR PREVIOUS LOSSES:
(11) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL TO THE STORAGE COEFFICIENT.
(111) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD (0024)
1 + 2 = 3

Area (ha) = 20.67
QPEAK (cms) = 3.360
TPEAK (hrs) = 1.52
R.V. (mm) = 31.57

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD (0024)
3 + 2 = 1

Area (ha) = 20.67
QPEAK (cms) = 3.360
TPEAK (hrs) = 1.52
R.V. (mm) = 31.57

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR (0002)
INFLOW: ID= 2
OUTFLOW: ID= 1

OVERFLOW IS OFF

106

0.433 5.66 1.217 20.86 2.000 10.42 2.78 4.87
0.450 5.66 1.233 20.86 2.017 9.23 2.89 4.87
0.467 5.66 1.250 31.95 2.033 9.23 2.93 4.87
0.483 5.66 1.267 31.95 2.050 9.23 2.93 4.87
0.500 5.66 1.283 31.95 2.067 9.23 2.95 4.64
0.517 5.66 1.300 31.95 2.083 9.23 2.95 4.64
0.533 6.09 1.317 31.95 2.100 8.32 2.98 4.64
0.550 6.09 1.333 31.95 2.117 8.32 2.98 4.64
0.567 6.09 1.350 31.95 2.133 8.32 2.98 4.45
0.583 6.09 1.367 31.95 2.150 8.32 2.98 4.45
0.600 6.09 1.383 72.79 2.167 8.32 2.95 4.45
0.617 6.09 1.400 72.79 2.183 7.59 2.97 4.45
0.633 6.09 1.417 72.79 2.200 7.59 2.97 4.45
0.650 6.60 1.433 96.42 2.217 7.59 3.00 4.45
0.667 6.60 1.450 96.42 2.233 7.59 3.02 4.27
0.683 6.60 1.467 96.42 2.250 7.59 3.02 4.27
0.700 7.21 1.483 96.42 2.267 6.99 3.05 4.27
0.717 7.21 1.500 96.42 2.283 6.99 3.07 4.27
0.733 7.21 1.517 38.31 2.299 6.99 3.07 4.27
0.750 7.21 1.533 38.31 2.317 6.99 3.88 4.27
0.767 7.98 1.550 38.31 2.333 6.99 3.88 4.27
0.783 7.98 1.567 38.31 2.350 6.99 3.88 4.27

Max.Eff.Inten.(mm/hr)= 96.42 77.50
Storage Coeff.(min)= 5.99 4.70
Unit Hyd. Tpeak (min)= 5.99 5.00
Unit Hyd. Peak (cms)= 0.44 0.23

PEAK FLOW (cms)= 0.91 0.01
TIME TO PEAK (hrs)= 1.58 1.55
TOTAL RAINFALL (mm)= 43.00 43.00
RUNOFF COEFFICIENT = 0.98 0.49

***** WARNING: STORAGE COEFF. IS SMALLER THAN TIME STEP!
***** WARNING: FOR AREAS WITH IMPERVIOUS RATIOS BELOW 20% YOU SHOULD CONSIDER SPLITTING THE AREA.

(1) CN PROCEDURE SELECTED FOR PREVIOUS LOSSES:
(11) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL TO THE STORAGE COEFFICIENT.
(111) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB
STANDHYD (0203)
ID= 1 DT= 1.0 min

Area (ha) = 0.10
Total Imp(%) = 60.00 Dir. Com. (%) = 30.00

Surface Area (ha) = 0.06
ImperVIOUS (PERVIOUS (1)) = 0.06
Average Slope (%) = 1.00
Length (m) = 2.00
Manning's n = 0.013

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

0.017 0.00 0.800 7.98 1.583 38.31 2.37 6.50
0.033 0.00 0.817 7.98 1.600 24.10 2.38 6.50
0.050 0.00 0.833 7.98 1.617 24.10 2.39 6.50
0.067 0.00 0.850 8.97 1.633 24.10 2.42 6.50
0.083 0.00 0.867 8.97 1.650 24.10 2.43 6.50
0.100 0.00 0.883 8.97 1.667 24.10 2.44 6.50
0.117 4.48 0.900 8.97 1.683 17.82 2.47 6.07
0.133 4.48 0.917 8.97 1.700 17.82 2.48 6.07
0.150 4.48 0.933 10.38 1.717 17.82 2.52 5.71
0.167 4.48 0.950 10.38 1.733 17.82 2.52 5.71
0.183 4.75 0.967 10.38 1.750 17.82 2.53 5.71
0.200 4.75 0.983 10.38 1.767 14.29 2.57 5.71
0.217 4.75 1.000 10.38 1.783 14.29 2.57 5.71
0.233 4.75 1.017 12.17 1.800 14.29 2.58 5.71
0.250 4.95 1.033 12.17 1.817 14.29 2.60 5.39
0.267 4.95 1.050 12.17 1.833 14.29 2.60 5.39
0.283 4.99 1.067 12.17 1.850 12.61 2.63 5.39
0.300 4.99 1.083 12.17 1.867 12.61 2.65 5.39
0.317 4.99 1.100 12.17 1.883 12.61 2.67 5.39
0.333 4.99 1.117 15.95 1.900 12.61 2.68 5.11
0.350 5.38 1.133 15.95 1.917 12.61 2.70 5.11
0.367 5.38 1.150 15.95 1.933 10.42 2.73 5.11
0.383 5.38 1.167 15.95 1.950 10.42 2.75 5.11
0.400 5.38 1.183 20.06 1.967 10.42 2.76 4.87
0.417 5.38 1.200 20.06 1.983 10.42 2.77 4.87

108

1.067	0.88	7.067	1.45	13.117	5.95	19.17	1.45	0.96
1.063	0.88	7.063	1.45	13.133	5.95	19.18	1.45	0.96
1.067	0.88	7.117	1.45	13.167	5.95	19.23	1.45	0.96
1.063	0.88	7.133	1.45	13.183	5.95	19.24	1.45	0.96
1.117	0.88	7.167	1.45	13.217	4.34	19.27	1.45	0.96
1.113	0.88	7.183	1.45	13.233	4.34	19.28	1.45	0.96
1.117	0.88	7.217	1.45	13.259	4.34	19.32	1.45	0.96
1.113	0.88	7.233	1.45	13.263	4.34	19.33	1.45	0.96
1.209	0.88	7.269	1.45	13.309	4.34	19.35	1.45	0.96
1.205	0.88	7.305	1.45	13.345	4.34	19.37	1.45	0.96
1.259	0.88	7.369	1.45	13.359	4.34	19.40	1.45	0.96
1.255	0.88	7.385	1.45	13.375	4.34	19.41	1.45	0.96
1.309	0.88	7.369	1.45	13.409	4.34	19.45	1.45	0.96
1.305	0.88	7.385	1.45	13.425	4.34	19.46	1.45	0.96
1.359	0.88	7.409	1.45	13.459	4.34	19.56	1.45	0.96
1.355	0.88	7.425	1.45	13.485	4.34	19.53	1.45	0.96
1.409	0.88	7.459	1.45	13.509	4.34	19.55	1.45	0.96
1.405	0.88	7.475	1.45	13.525	4.34	19.56	1.45	0.96
1.459	0.88	7.483	1.45	13.537	4.34	19.58	1.45	0.96
1.455	0.88	7.509	1.45	13.559	4.34	19.60	1.45	0.96
1.509	0.88	7.517	1.45	13.567	4.34	19.62	1.45	0.96
1.505	0.88	7.533	1.45	13.583	4.34	19.63	1.45	0.96
1.559	0.88	7.559	1.45	13.609	4.34	19.65	1.45	0.96
1.555	0.88	7.609	1.45	13.659	4.34	19.70	1.45	0.96
1.609	0.88	7.617	1.45	13.667	4.34	19.72	1.45	0.96
1.605	0.88	7.633	1.45	13.683	4.34	19.73	1.45	0.96
1.659	0.88	7.659	1.45	13.709	3.37	19.75	1.45	0.96
1.655	0.88	7.675	1.45	13.717	3.37	19.77	1.45	0.96
1.709	0.88	7.709	1.45	13.759	3.37	19.80	1.45	0.96
1.667	0.88	7.717	1.45	13.767	3.37	19.82	1.45	0.96
1.717	0.88	7.757	1.45	13.803	3.37	19.85	1.45	0.96
1.713	0.88	7.773	1.45	13.817	3.37	19.87	1.45	0.96
1.767	0.88	7.783	1.45	13.823	3.37	19.88	1.45	0.96
1.763	0.88	7.817	1.45	13.867	3.37	19.92	1.45	0.96
1.817	0.88	7.833	1.45	13.883	3.37	19.93	1.45	0.96
1.813	0.88	7.867	1.45	13.917	3.37	19.97	1.45	0.96
1.867	0.88	7.883	1.45	13.933	3.37	19.98	1.45	0.96
1.863	0.88	7.917	1.45	13.967	3.37	20.02	1.45	0.96
1.917	0.88	7.933	1.45	13.983	3.37	20.03	1.45	0.96
1.913	0.88	7.967	1.45	14.017	3.37	20.07	1.45	0.96
1.967	0.88	7.983	1.45	14.033	3.37	20.08	1.45	0.96
1.963	0.88	8.017	1.45	14.069	3.37	20.12	1.45	0.96
2.017	0.88	8.033	1.45	14.083	3.37	20.13	1.45	0.96
2.013	0.88	8.067	1.45	14.109	3.37	20.17	1.45	0.96
2.067	0.88	8.083	1.45	14.133	3.37	20.18	0.97	0.96
2.063	0.88	8.109	1.45	14.159	3.37	20.20	0.96	0.96
2.067	0.88	8.117	1.45	14.157	3.37	20.22	0.96	0.96

113

3.159	1.04	9.299	2.57	15.259	2.41	21.39	0.96	0.96
3.167	1.04	9.217	2.57	15.267	2.41	21.32	0.96	0.96
3.209	1.04	9.299	2.57	15.309	2.41	21.35	0.96	0.96
3.217	1.04	9.267	2.57	15.317	2.41	21.37	0.96	0.96
3.259	1.04	9.309	2.57	15.359	2.41	21.40	0.96	0.96
3.267	1.04	9.317	2.57	15.367	2.41	21.42	0.96	0.96
3.309	1.04	9.359	2.57	15.399	2.41	21.45	0.96	0.96
3.317	1.04	9.367	2.57	15.417	2.41	21.47	0.96	0.96
3.363	1.04	9.383	2.57	15.433	2.41	21.48	0.96	0.96
3.367	1.04	9.417	2.57	15.467	2.41	21.52	0.96	0.96
3.433	1.04	9.433	2.57	15.483	2.41	21.53	0.96	0.96
3.437	1.04	9.467	2.57	15.517	2.41	21.57	0.96	0.96
3.483	1.04	9.483	2.57	15.533	2.41	21.58	0.96	0.96
3.487	1.04	9.517	2.57	15.567	2.41	21.62	0.96	0.96
3.533	1.04	9.533	2.57	15.583	2.41	21.63	0.96	0.96
3.537	1.04	9.567	2.57	15.617	2.41	21.67	0.96	0.96
3.583	1.04	9.583	2.57	15.633	2.41	21.68	0.96	0.96
3.587	1.04	9.617	2.57	15.669	2.41	21.72	0.96	0.96
3.597	1.04	9.617	2.57	15.669	2.41	21.72	0.96	0.96
3.583	1.04	9.633	2.57	15.683	2.41	21.73	0.96	0.96
3.609	1.04	9.609	2.57	15.709	2.41	21.77	0.96	0.96
3.633	1.04	9.663	2.59	15.733	2.41	21.78	0.96	0.96
3.653	1.04	9.733	2.59	15.783	2.41	21.83	0.96	0.96
3.733	1.04	9.753	2.59	15.833	2.41	21.88	0.96	0.96
3.759	1.04	9.809	2.59	15.859	2.41	21.90	0.96	0.96
3.763	1.04	9.833	2.59	15.883	2.41	21.93	0.96	0.96
3.809	1.04	9.859	2.59	15.909	2.41	21.95	0.96	0.96
3.833	1.04	9.883	2.59	15.933	2.41	21.98	0.96	0.96
3.859	1.04	9.909	2.59	15.959	2.41	22.00	0.96	0.96
3.887	1.04	9.917	2.59	15.967	2.41	22.03	0.96	0.96
3.909	1.04	9.959	2.59	16.009	2.41	22.05	0.96	0.96
3.917	1.04	9.967	2.59	16.017	2.41	22.07	0.96	0.96
3.959	1.04	10.009	2.59	16.059	2.41	22.10	0.96	0.96
3.967	1.04	10.017	2.59	16.067	2.41	22.12	0.96	0.96
4.009	1.04	10.059	2.59	16.109	2.41	22.15	0.96	0.96
4.017	1.04	10.067	2.59	16.117	2.41	22.17	0.96	0.96
4.067	1.04	10.117	2.59	16.167	2.41	22.22	0.96	0.96
4.087	1.04	10.133	2.59	16.183	2.41	22.24	0.96	0.96
4.109	1.04	10.159	2.59	16.209	2.41	22.25	0.96	0.96
4.117	1.04	10.167	2.59	16.217	2.41	22.27	0.96	0.96
4.159	1.04	10.183	2.59	16.253	1.45	22.30	0.96	0.96
4.167	1.04	10.217	3.76	16.267	1.45	22.32	0.96	0.96
4.163	1.04	10.233	3.76	16.283	1.45	22.33	0.96	0.96
4.209	1.29	10.259	3.76	16.309	1.45	22.35	0.96	0.96

115

2.063	0.88	8.133	1.77	14.183	1.45	20.23	0.96	0.96
2.109	0.88	8.159	1.77	14.209	2.41	20.25	0.96	0.96
2.113	0.88	8.183	1.77	14.233	2.41	20.26	0.96	0.96
2.159	0.88	8.209	2.09	14.269	2.41	20.30	0.96	0.96
2.163	0.88	8.233	2.09	14.283	2.41	20.31	0.96	0.96
2.209	1.04	8.259	2.09	14.309	2.41	20.35	0.96	0.96
2.213	1.04	8.283	2.09	14.333	2.41	20.36	0.96	0.96
2.269	1.04	8.309	2.09	14.369	2.41	20.40	0.96	0.96
2.273	1.04	8.333	2.09	14.387	2.41	20.42	0.96	0.96
2.309	1.04	8.359	2.09	14.409	2.41	20.45	0.96	0.96
2.317	1.04	8.367	2.09	14.417	2.41	20.47	0.96	0.96
2.367	1.04	8.417	2.09	14.467	2.41	20.52	0.96	0.96
2.369	1.04	8.459	2.09	14.509	2.41	20.55	0.96	0.96
2.417	1.04	8.467	2.09	14.517	2.41	20.57	0.96	0.96
2.467	1.04	8.517	2.09	14.567	2.41	20.62	0.96	0.96
2.469	1.04	8.553	2.09	14.583	2.41	20.63	0.96	0.96
2.517	1.04	8.567	2.09	14.617	2.41	20.67	0.96	0.96
2.553	1.04	8.583	2.09	14.633	2.41	20.68	0.96	0.96
2.553	1.04	8.623	2.09	14.683	2.41	20.73	0.96	0.96
2.567	1.04	8.617	2.09	14.657	2.41	20.72	0.96	0.96
2.617	1.04	8.667	2.09	14.717	2.41	20.77	0.96	0.96
2.653	1.04	8.683	2.25	14.733	2.41	20.78	0.96	0.96
2.667	1.04	8.717	2.25	14.767	2.41	20.82	0.96	0.96
2.733	1.04	8.733	2.25	14.783	2.41	20.83	0.96	0.96
2.783	1.04	8.783	2.25	14.833	2.41	20.88	0.96	0.96
2.787	1.04	8.817	2.25	14.867	2.41	20.92	0.96	0.96
2.783	1.04	8.833	2.25	14.883	2.41	20.93	0.96	0.96
2.809	1.04	8.859	2.25	14.909	2.41	20.97	0.96	0.96
2.833	1.04	8.883	2.25	14.933	2.41	20.98	0.96	0.96
2.869	1.04	8.909	2.25	14.969	2.41	21.01	0.96	0.96
2.863	1.04	8.933	2.25	14.983	2.41	21.03	0.96	0.96
2.909	1.04	8.959	2.25	15.009	2.41	21.05	0.96	0.96
2.933	1.04	8.983	2.25	15.033	2.41	21.08	0.96	0.96
2.953	1.04	8.983	2.25	15.053	2.41	21.10	0.96	0.96
2.963	1.04	9.033	2.25	15.083	2.41	21.13	0.96	0.96
3.009	1.04	9.059	2.25	15.109	2.41	21.15	0.96	0.96
3.033	1.04	9.083	2.25	15.133	2.41	21.16	0.96	0.96
3.069	1.04	9.109	2.25	15.169	2.41	21.20	0.96	0.96
3.083	1.04	9.133	2.25	15.183	2.41	21.22	0.96	0.96
3.109	1.04	9.159	2.25	15.209	2.41	21.25	0.96	0.96
3.104	1.04	9.167	2.25	15.217	2.41	21.27	0.96	0.96
3.135	1.04	9.183	2.25	15.233	2.41	21.29	0.96	0.96
3.159	1.04	9.183	2.25	15.253	2.41	21.31	0.96	0.96

3.100	1.04	9.150	2.25	15.200	2.41	21.25	0.96
3.117	1.04	9.167	2.25	15.217	2.41	21.27	0.96
3.134	1.04	9.184	2.25	15.234	2.41	21.29	0.96
3.151	1.04	9.200	2.25	15.250	2.41	21.30	0.96
3.168	1.04	9.217	2.25	15.267	2.41	21.32	0.96
3.185	1.04	9.234	2.25	15.284	2.41	21.34	0.96
3.202	1.04	9.250	2.25	15.300	2.41	21.35	0.96
3.219	1.04	9.267	2.25	15.317	2.41	21.37	0.96
3.236	1.04	9.284	2.25	15.334	2.41	21.39	0.96
3.253	1.04	9.301	2.25	15.351	2.41	21.40	0.96
3.270	1.04	9.318	2.25	15.368	2.41	21.42	0.96
3.287	1.04	9.335	2.25	15.385	2.41	21.43	0.96
3.304	1.04	9.352	2.25	15.402	2.41	21.45	0.96
3.321	1.04	9.369	2.25	15.419	2.41	21.47	0.96
3.338	1.04	9.386	2.25	15.436	2.41	21.48	0.96
3.355	1.04	9.403	2.25	15.453	2.41	21.50	0.96
3.372	1.04	9.420	2.25	15.470	2.41	21.52	0.96
3.389	1.04	9.437	2.25	15.487	2.41	21.53	0.96
3.406	1.04	9.454	2.25	15.504	2.41	21.55	0.96
3.423	1.04	9.471	2.25	15.521	2.41	21.57	0.96
3.440	1.04	9.488	2.25	15.538	2.41	21.58	0.96
3.457	1.04	9.505	2.25	15.555	2.41	21.60	0.96
3.474	1.04	9.522	2.25	15.572	2.41	21.62	0.96
3.491	1.04	9.539	2.25	15.589	2.41	21.63	0.96
3.508	1.04	9.556	2.25	15.606	2.41	21.65	0.96
3.525	1.04	9.573	2.25	15.623	2.41	21.67	0.96
3.542	1.04	9.590	2.25	15.640	2.41	21.68	0.96
3.559	1.04	9.607	2.25	15.657	2.41	21.70	0.96
3.576	1.04	9.624	2.25	15.674	2.41	21.72	0.96
3.593	1.04	9.641	2.25	15.691	2.41	21.74	0.96
3.610	1.04	9.658	2.25	15.708	2.41	21.76	0.96
3.627	1.04	9.675	2.25	15.725	2.41	21.78	0.96
3.644	1.04	9.692	2.25	15.742	2.41	21.80	0.96
3.661	1.04	9.709	2.25	15.759	2.41	21.82	0.96
3.678	1.04	9.726	2.25	15.776	2.41	21.84	0.96
3.695	1.04	9.743	2.25	15.793	2.41	21.86	0.96
3.712	1.04	9.760	2.25	15.810	2.41	21.88	0.96
3.729	1.04	9.777	2.25	15.827	2.41	21.90	0.96
3.746	1.04	9.794	2.25	15.844	2.41	21.92	0.96
3.763	1.04	9.811	2.25	15.861	2.41	21.94	0.96
3.780	1.04	9.828	2.25	15.878	2.41	21.96	0.96
3.797	1.04	9.845	2.25	15.895	2.41	21.98	0.96
3.814	1.04	9.862	2.25	15.912	2.41	22.00	0.96
3.831	1.04	9.879	2.25	15.929	2.41	22.02	0.96
3.848	1.04	9.896	2.25	15.946	2.41	22.04	0.96
3.865	1.04	9.913	2.25	15.963	2.41	22.06	0.96
3.882	1.04	9.930	2.25	15.980	2.41	22.08	0.96
3.899	1.04	9.947	2.25	15.997	2.41	22.10	0.96
3.916	1.04	9.964	2.25	16.014	2.41	22.12	0.96
3.933	1.04	9.981	2.25	16.031	2.41	22.14	0.96
3.950	1.04	10.000	2.25	16.048	2.41	22.16	0.96
3.967	1.04	10.017	2.25	16.065	2.41	22.18	0.96
3.984	1.04	10.034	2.25	16.082	2.41	22.20	0.96
4.001	1.04	10.051	2.25	16.099	2.41	22.22	0.96
4.018	1.04	10.068	2.25	16.116	2.41	22.24	0.96
4.035	1.04	10.085	2.25	16.133	2.41	22.26	0.96
4.052	1.04	10.102	2.25	16.150	2.41	22.28	0.96
4.069	1.04	10.119	2.25	16.167	2.41	22.30	0.96
4.086	1.04	10.136	2.25	16.184	2.41	22.32	0.96
4.103	1.04	10.153	2.25	16.201	2.41	22.34	0.96
4.120	1.04	10.170	2.25	16.218	2.41	22.36	0.96
4.137	1.04	10.187	2.25	16.235	2.41	22.38	0.96
4.154	1.04	10.204	2.25	16.252	2.41	22.40	0.96
4.171	1.04	10.221	2.25	16.269	2.41	22.42	0.96
4.188	1.04	10.238	2.25	16.286	2.41	22.44	0.96
4.205	1.04	10.255	2.25	16.303	2.41	22.46	0.96
4.222	1.04	10.272	2.25	16.320	2.41	22.48	0.96
4.239	1.04	10.289	2.25	16.337	2.41	22.50	0.96
4.256	1.04	10.306	2.25	16.354	2.41	22.52	0.96
4.273	1.04	10.323	2.25	16.371	2.41	22.54	0.96
4.290	1.04	10.340	2.25	16.388	2.41	22.56	0.96
4.307	1.04	10.357	2.25	16.405	2.41	22.58	0.96
4.324	1.04	10.374	2.25	16.422	2.41	22.60	0.96
4.341	1.04	10.391	2.25	16.439	2.41	22.62	0.96
4.358	1.04	10.408	2.25	16.456	2.41	22.64	0.96
4.375	1.04	10.425	2.25	16.473	2.41	22.66	0.96
4.392	1.04	10.442	2.25	16.490	2.41	22.68	0.96
4.409	1.04	10.459	2.25	16.507	2.41	22.70	0.96
4.426	1.04	10.476	2.25	16.524	2.41	22.72	0.96
4.443	1.04	10.493	2.25	16.541	2.41	22.74	0.96
4.460	1.04	10.510	2.25	16.558	2.41	22.76	0.96
4.477	1.04	10.527	2.25	16.575	2.41	22.78	0.96
4.494	1.04	10.544	2.25	16.592	2.41	22.80	0.96
4.511	1.04	10.561	2.25	16.609	2.41	22.82	0.96
4.528	1.04	10.578	2.25	16.626	2.41	22.84	0.96
4.545	1.04	10.595	2.25	16.643	2.41	22.86	0.96
4.562	1.04	10.612	2.25	16.660	2.41	22.88	0.96
4.579	1.04	10.629	2.25	16.677	2.41	22.90	0.96
4.596	1.04	10.646	2.25	16.694	2.41	22.92	0.96
4.613	1.04	10.663	2.25	16.711	2.41	22.94	0.96
4.630	1.04	10.680	2.25	16.728	2.41	22.96	0.96
4.647	1.04	10.697	2.25	16.745	2.41	22.98	0.96
4.664	1.04	10.714	2.25	16.762	2.41	23.00	0.96
4.681	1.04	10.731	2.25	16.779	2.41	23.02	0.96
4.698	1.04	10.748	2.25	16.796	2.41	23.04	0.96
4.715	1.04	10.765	2.25	16.813	2.41	23.06	0.96
4.732	1.04	10.782	2.25	16.830	2.41	23.08	0.96
4.749	1.04	10.799	2.25	16.847	2.41	23.10	0.96
4.766	1.04	10.816	2.25	16.864	2.41	23.12	0.96
4.783	1.04	10.833	2.25	16.881	2.41	23.14	0.96
4.800	1.04	10.850	2.25	16.898	2.41	23.16	0.96
4.817	1.04	10.867	2.25	16.915	2.41	23.18	0.96
4.834	1.04	10.884	2.25	16.932	2.41	23.20	0.96
4.851	1.04	10.901	2.25	16.949	2.41	23.22	0.96
4.868	1.04	10.918	2.25	16.966	2.41	23.24	0.96
4.885	1.04	10.935	2.25	16.983	2.41	23.26	0.96
4.902	1.04	10.952	2.25	16.999	2.41	23.28	0.96
4.919	1.04	10.969	2.25	17.016	2.41	23.30	0.96
4.936	1.04	10.986	2.25	17.033	2.41	23.32	0.96
4.953	1.04	10.999	2.25	17.046	2.41	23.34	0.96
4.970	1.04	11.012	2.25	17.059	2.41	23.36	0.96
4.987	1.04	11.025	2.25	17.072	2.41	23.38	0.96
4.999	1.04	11.038	2.25	17.085	2.41	23.40	0.96
5.011	1.04	11.051	2.25	17.098	2.41	23.42	0.96
5.023	1.04	11.064	2.25	17.111	2.41	23.44	0.96
5.035	1.04	11.077	2.25	17.124	2.41	23.46	0.96
5.047	1.04	11.090	2.25	17.137	2.41	23.48	0.96
5.059	1.04	11.103	2.25	17.150	2.41	23.50	0.96
5.071	1.04	11.116	2.25	17.163	2.41	23.52	0.96
5.083	1.04	11.129	2.25	17.176	2.41	23.54	0.96
5.095	1.04	11.142	2.25	17.189	2.41	23.56	0.96
5.107	1.04	11.155	2.25	17.202	2.41	23.58	0.96
5.119	1.04	11.168	2.25	17.215	2.41	23.60	0.96
5.131	1.04	11.181	2.25	17.228	2.41	23.62	0.96
5.143	1.04	11.194	2.25	17.241	2.41	23.64	0.96
5.155	1.04	11.207	2.25	17.254	2.41	23.66	0.96
5.167	1.04	11.220	2.25	17.267	2.41	23.68	0.96
5.179	1.04	11.233	2.25	17.280	2.41	23.70	0.96
5.191	1.04	11.246	2.25	17.293	2.41	23.72	0.96
5.203	1.04	11.259	2.25	17.306	2.41	23.74	0.96
5.215	1.04	11.272	2.25	17.319	2.41	23.76	0.96
5.227	1.04	11.285	2.25	17.332	2.41	23.78	0.96
5.239	1.04	11.298	2.25	17.345	2.41	23.80	0.96
5.251	1.04	11.311	2.25	17.358	2.41	23.82	0.96
5.263	1.04	11.324	2.25	17.371	2.41	23.84	0.96
5.275	1.04	11.337	2.25	17.384	2.41	23.86	0.96
5.287	1.04	11.350	2.25	17.397	2.41	23.88	0.96
5.299	1.04	11.363	2.25	17.410	2.41	23.90	0.96
5.311	1.04	11.376	2.25	17.423	2.41	23.92	0.96
5.323	1.04	11.389	2.25	17.436	2.41	23.94	0.96
5.335	1.04	11.402	2.25	17.449	2.41	23.96	0.96
5.347	1.04	11.415	2.25	17.462	2.41	23.98	0.96
5.359	1.04	11.428	2.25	17.475	2.41	24.00	0.96
5.371	1.04	11.441	2.25	17.488	2.41	24.02	0.96
5.383	1.04	11.454	2.25	17.501	2.41	24.04	0.96
5.395	1.04	11.467	2.25	17.514	2.41	24.06	0.96
5.407	1.04	11.480	2.25	17.527	2.41	24.08	0.96
5.419	1.04	11.493	2.25	17.540	2.41	24.10	0.96
5.431	1.04	11.506	2.25	17.553	2.41	24.12	0.96
5.443	1.04	11.519	2.25				

2.659	1.04	8.769	2.41	20.82	0.95	3.717	1.04	9.765	2.41	21.88	0.95
2.663	1.04	8.773	2.41	20.83	0.96	3.723	1.04	9.783	2.41	21.87	0.96
2.667	1.04	8.777	2.41	20.84	0.96	3.729	1.04	9.800	2.41	21.90	0.96
2.671	1.04	8.781	2.41	20.85	0.96	3.735	1.04	9.818	2.41	21.93	0.96
2.675	1.04	8.785	2.41	20.86	0.96	3.741	1.04	9.835	2.41	21.95	0.96
2.679	1.04	8.789	2.41	20.87	0.96	3.747	1.04	9.852	2.41	21.98	0.96
2.683	1.04	8.793	2.41	20.88	0.96	3.753	1.04	9.869	2.41	22.00	0.96
2.687	1.04	8.797	2.41	20.89	0.96	3.759	1.04	9.886	2.41	22.03	0.96
2.691	1.04	8.801	2.41	20.90	0.96	3.765	1.04	9.903	2.41	22.05	0.96
2.695	1.04	8.805	2.41	20.91	0.96	3.771	1.04	9.920	2.41	22.08	0.96
2.699	1.04	8.809	2.41	20.92	0.96	3.777	1.04	9.937	2.41	22.10	0.96
2.703	1.04	8.813	2.41	20.93	0.96	3.783	1.04	9.954	2.41	22.13	0.96
2.707	1.04	8.817	2.41	20.94	0.96	3.789	1.04	9.971	2.41	22.15	0.96
2.711	1.04	8.821	2.41	20.95	0.96	3.795	1.04	9.988	2.41	22.18	0.96
2.715	1.04	8.825	2.41	20.96	0.96	3.801	1.04	10.005	2.41	22.20	0.96
2.719	1.04	8.829	2.41	20.97	0.96	3.807	1.04	10.022	2.41	22.23	0.96
2.723	1.04	8.833	2.41	20.98	0.96	3.813	1.04	10.039	2.41	22.25	0.96
2.727	1.04	8.837	2.41	20.99	0.96	3.819	1.04	10.056	2.41	22.28	0.96
2.731	1.04	8.841	2.41	21.00	0.96	3.825	1.04	10.073	2.41	22.30	0.96
2.735	1.04	8.845	2.41	21.01	0.96	3.831	1.04	10.090	2.41	22.33	0.96
2.739	1.04	8.849	2.41	21.02	0.96	3.837	1.04	10.107	2.41	22.35	0.96
2.743	1.04	8.853	2.41	21.03	0.96	3.843	1.04	10.124	2.41	22.38	0.96
2.747	1.04	8.857	2.41	21.04	0.96	3.849	1.04	10.141	2.41	22.40	0.96
2.751	1.04	8.861	2.41	21.05	0.96	3.855	1.04	10.158	2.41	22.43	0.96
2.755	1.04	8.865	2.41	21.06	0.96	3.861	1.04	10.175	2.41	22.45	0.96
2.759	1.04	8.869	2.41	21.07	0.96	3.867	1.04	10.192	2.41	22.48	0.96
2.763	1.04	8.873	2.41	21.08	0.96	3.873	1.04	10.209	2.41	22.50	0.96
2.767	1.04	8.877	2.41	21.09	0.96	3.879	1.04	10.226	2.41	22.53	0.96
2.771	1.04	8.881	2.41	21.10	0.96	3.885	1.04	10.243	2.41	22.55	0.96
2.775	1.04	8.885	2.41	21.11	0.96	3.891	1.04	10.260	2.41	22.58	0.96
2.779	1.04	8.889	2.41	21.12	0.96	3.897	1.04	10.277	2.41	22.60	0.96
2.783	1.04	8.893	2.41	21.13	0.96	3.903	1.04	10.294	2.41	22.63	0.96
2.787	1.04	8.897	2.41	21.14	0.96	3.909	1.04	10.311	2.41	22.65	0.96
2.791	1.04	8.901	2.41	21.15	0.96	3.915	1.04	10.328	2.41	22.68	0.96
2.795	1.04	8.905	2.41	21.16	0.96	3.921	1.04	10.345	2.41	22.70	0.96
2.799	1.04	8.909	2.41	21.17	0.96	3.927	1.04	10.362	2.41	22.73	0.96
2.803	1.04	8.913	2.41	21.18	0.96	3.933	1.04	10.379	2.41	22.75	0.96
2.807	1.04	8.917	2.41	21.19	0.96	3.939	1.04	10.396	2.41	22.78	0.96
2.811	1.04	8.921	2.41	21.20	0.96	3.945	1.04	10.413	2.41	22.80	0.96
2.815	1.04	8.925	2.41	21.21	0.96	3.951	1.04	10.430	2.41	22.83	0.96
2.819	1.04	8.929	2.41	21.22	0.96	3.957	1.04	10.447	2.41	22.85	0.96
2.823	1.04	8.933	2.41	21.23	0.96	3.963	1.04	10.464	2.41	22.88	0.96
2.827	1.04	8.937	2.41	21.24	0.96	3.969	1.04	10.481	2.41	22.90	0.96
2.831	1.04	8.941	2.41	21.25	0.96	3.975	1.04	10.498	2.41	22.93	0.96
2.835	1.04	8.945	2.41	21.26	0.96	3.981	1.04	10.515	2.41	22.95	0.96
2.839	1.04	8.949	2.41	21.27	0.96	3.987	1.04	10.532	2.41	22.98	0.96
2.843	1.04	8.953	2.41	21.28	0.96	3.993	1.04	10.549	2.41	23.00	0.96
2.847	1.04	8.957	2.41	21.29	0.96	3.999	1.04	10.566	2.41	23.03	0.96
2.851	1.04	8.961	2.41	21.30	0.96	4.005	1.04	10.583	2.41	23.05	0.96
2.855	1.04	8.965	2.41	21.31	0.96	4.011	1.04	10.600	2.41	23.08	0.96
2.859	1.04	8.969	2.41	21.32	0.96	4.017	1.04	10.617	2.41	23.10	0.96
2.863	1.04	8.973	2.41	21.33	0.96	4.023	1.04	10.634	2.41	23.13	0.96
2.867	1.04	8.977	2.41	21.34	0.96	4.029	1.04	10.651	2.41	23.15	0.96
2.871	1.04	8.981	2.41	21.35	0.96	4.035	1.04	10.668	2.41	23.18	0.96
2.875	1.04	8.985	2.41	21.36	0.96	4.041	1.04	10.685	2.41	23.20	0.96
2.879	1.04	8.989	2.41	21.37	0.96	4.047	1.04	10.702	2.41	23.23	0.96
2.883	1.04	8.993	2.41	21.38	0.96	4.053	1.04	10.719	2.41	23.25	0.96
2.887	1.04	8.997	2.41	21.39	0.96	4.059	1.04	10.736	2.41	23.28	0.96
2.891	1.04	9.001	2.41	21.40	0.96	4.065	1.04	10.753	2.41	23.30	0.96
2.895	1.04	9.005	2.41	21.41	0.96	4.071	1.04	10.770	2.41	23.33	0.96
2.899	1.04	9.009	2.41	21.42	0.96	4.077	1.04	10.787	2.41	23.35	0.96
2.903	1.04	9.013	2.41	21.43	0.96	4.083	1.04	10.804	2.41	23.38	0.96
2.907	1.04	9.017	2.41	21.44	0.96	4.089	1.04	10.821	2.41	23.40	0.96
2.911	1.04	9.021	2.41	21.45	0.96	4.095	1.04	10.838	2.41	23.43	0.96
2.915	1.04	9.025	2.41	21.46	0.96	4.101	1.04	10.855	2.41	23.45	0.96
2.919	1.04	9.029	2.41	21.47	0.96	4.107	1.04	10.872	2.41	23.48	0.96
2.923	1.04	9.033	2.41	21.48	0.96	4.113	1.04	10.889	2.41	23.50	0.96
2.927	1.04	9.037	2.41	21.49	0.96	4.119	1.04	10.906	2.41	23.53	0.96
2.931	1.04	9.041	2.41	21.50	0.96	4.125	1.04	10.923	2.41	23.55	0.96
2.935	1.04	9.045	2.41	21.51	0.96	4.131	1.04	10.940	2.41	23.58	0.96
2.939	1.04	9.049	2.41	21.52	0.96	4.137	1.04	10.957	2.41	23.60	0.96
2.943	1.04	9.053	2.41	21.53	0.96	4.143	1.04	10.974	2.41	23.62	0.96
2.947	1.04	9.057	2.41	21.54	0.96	4.149	1.04	10.991	2.41	23.65	0.96
2.951	1.04	9.061	2.41	21.55	0.96	4.155	1.04	11.008	2.41	23.67	0.96
2.955	1.04	9.065	2.41	21.56	0.96	4.161	1.04	11.025	2.41	23.70	0.96
2.959	1.04	9.069	2.41	21.57	0.96	4.167	1.04	11.042	2.41	23.72	0.96
2.963	1.04	9.073	2.41	21.58	0.96	4.173	1.04	11.059	2.41	23.75	0.96
2.967	1.04	9.077	2.41	21.59	0.96	4.179	1.04	11.076	2.41	23.77	0.96
2.971	1.04	9.081	2.41	21.60	0.96	4.185	1.04	11.093	2.41	23.80	0.96
2.975	1.04	9.085	2.41	21.61	0.96	4.191	1.04	11.110	2.41	23.82	0.96
2.979	1.04	9.089	2.41	21.62	0.96	4.197	1.04	11.127	2.41	23.85	0.96
2.983	1.04	9.093	2.41	21.63	0.96	4.203	1.04	11.144	2.41	23.87	0.96
2.987	1.04	9.097	2.41	21.64	0.96	4.209	1.04	11.161	2.41	23.90	0.96
2.991	1.04	9.101	2.41	21.65	0.96	4.215	1.04	11.178	2.41	23.92	0.96
2.995	1.04	9.105	2.41	21.66	0.96	4.221	1.04	11.195	2.41	23.95	0.96
2.999	1.04	9.109	2.41	21.67	0.96	4.227	1.04	11.212	2.41	23.97	0.96
3.003	1.04	9.113	2.41	21.68	0.96	4.233	1.04	11.229	2.41	24.00	0.96
3.007	1.04	9.117	2.41	21.69	0.96	4.239	1.04	11.246	2.41	24.02	0.96
3.011	1.04	9.121	2.41	21.70	0.96	4.245	1.04	11.263	2.41	24.05	0.96
3.015	1.04	9.125	2.41	21.71	0.96	4.251	1.04	11.280	2.41	24.07	0.96
3.019	1.04	9.129	2.41	21.72	0.96	4.257	1.04	11.297	2.41	24.10	0.96
3.023	1.04	9.133	2.41	21.73	0.96	4.263	1.04	11.314	2.41	24.12	0.96
3.027	1.04	9.137	2.41	21.74	0.96	4.269	1.04	11.331	2.41	24.15	0.96
3.031	1.04	9.141	2.41	21.75	0.96	4.275	1.04	11.348	2.41	24.17	0.96
3.035	1.04	9.145	2.41	21.76	0.96	4.281	1.04	11.365	2.41	24.20	0.96
3.039	1.04	9.149	2.41	21.77	0.96	4.287	1.04	11.382	2.41	24.22	0.96
3.043	1.04	9.153	2.41	21.78	0.96	4.293	1.04	11.399	2.41	24.25	0.96
3.047	1.04	9.157	2.41	21.79	0.96	4.299	1.04	11.416	2.41	24.27	0.96
3.051	1.04	9.161	2.41	21.80	0.96	4.305	1.04	11.433	2.41	24.30	0.96
3.055	1.04	9.165	2.41	21.81	0.96	4.311	1.04	11.450	2.41	24.32	0.96
3.059	1.04	9.169	2.41	21.82	0.96	4.317	1.04	11.467	2.41	24.35	0.96
3.063	1.04	9.173	2.41	21.83	0.96	4.323	1.04	11.484	2.41	24.37	0.96
3.067	1.04	9.177	2.41	21.84	0.96	4.329	1.04	11.501	2.41	24.40	0.96
3.071	1.04	9.181	2.41	21.85	0.96	4.335	1.04	11.518	2.41	24.42	0.96
3.075	1.04										

133

134

4.753	1.29	18.839	4.98	16.883	1.45	22.93	0.96	5.859	1.29	11.999	61.07	17.959	1.45	24.69	0.96
4.754	1.29	18.839	4.98	16.883	1.45	22.93	0.96	5.867	1.29	11.917	61.07	17.967	1.45	24.62	0.96
4.755	1.29	18.867	4.98	16.917	1.45	22.97	0.96	5.863	1.29	11.933	61.07	17.983	1.45	24.63	0.96
4.756	1.29	18.867	4.98	16.917	1.45	22.97	0.96	5.917	1.29	11.967	61.07	18.017	1.45	24.67	0.96
4.757	1.29	18.890	4.98	16.950	1.45	23.00	0.96	5.917	1.29	11.967	61.07	18.017	1.45	24.67	0.96
4.758	1.29	18.890	4.98	16.950	1.45	23.00	0.96	5.933	1.29	11.983	61.07	18.033	1.45	24.68	0.96
4.759	1.29	18.917	4.98	16.983	1.45	23.02	0.96	5.933	1.29	11.983	61.07	18.033	1.45	24.68	0.96
4.760	1.29	18.917	4.98	16.983	1.45	23.02	0.96	5.967	1.29	12.017	61.07	18.067	1.45	24.72	0.96
4.761	1.29	18.950	4.98	17.000	1.45	23.05	0.96	5.967	1.29	12.017	61.07	18.067	1.45	24.72	0.96
4.762	1.29	18.950	4.98	17.000	1.45	23.05	0.96	5.963	1.29	12.033	61.07	18.083	1.45	24.73	0.96
4.763	1.29	18.967	4.98	17.017	1.45	23.07	0.96	5.963	1.29	12.033	61.07	18.083	1.45	24.73	0.96
4.764	1.29	18.967	4.98	17.017	1.45	23.07	0.96	5.963	1.29	12.033	61.07	18.083	1.45	24.73	0.96
4.765	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.766	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.767	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.768	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.769	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.770	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.771	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.772	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.773	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.774	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.775	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.776	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.777	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.778	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.779	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.780	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.781	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.782	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.783	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.784	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.785	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.786	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.787	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.788	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.789	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.790	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.791	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.792	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.793	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.794	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.795	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.796	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.797	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.798	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.799	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.800	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.801	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.802	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.803	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.804	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.805	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.806	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.807	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.808	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.809	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.810	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.811	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.812	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.813	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.814	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.815	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.816	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.817	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.818	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.819	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.820	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.821	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.822	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.823	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.824	1.29	18.983	4.98	17.050	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.825	1.29	18.986	4.98	17.060	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.826	1.29	18.986	4.98	17.060	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.827	1.29	18.986	4.98	17.060	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.828	1.29	18.986	4.98	17.060	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.77	0.96
4.829	1.29	18.986	4.98	17.060	1.45	23.10	0.96	6.017	1.29	12.067	61.07	18.117	1.45	24.7	

135

136

DT = 1.0 min									
OUTFLOW (cms)		STORAGE (ha.m)		OUTFLOW (cms)		STORAGE (ha.m)		STORAGE (ha.m)	
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.0174	0.0174	0.0095	0.0095	0.0174	0.0174	0.0095	0.0095	0.0174	0.0174
0.0261	0.0261	0.0208	0.0208	0.0261	0.0261	0.0208	0.0208	0.0261	0.0261
0.0346	0.0346	0.0322	0.0322	0.0346	0.0346	0.0322	0.0322	0.0346	0.0346
0.0430	0.0430	0.0434	0.0434	0.0430	0.0430	0.0434	0.0434	0.0430	0.0430
0.0515	0.0515	0.0545	0.0545	0.0515	0.0515	0.0545	0.0545	0.0515	0.0515
0.0600	0.0600	0.0655	0.0655	0.0600	0.0600	0.0655	0.0655	0.0600	0.0600
0.0685	0.0685	0.0765	0.0765	0.0685	0.0685	0.0765	0.0765	0.0685	0.0685
0.0770	0.0770	0.0875	0.0875	0.0770	0.0770	0.0875	0.0875	0.0770	0.0770
0.0855	0.0855	0.0985	0.0985	0.0855	0.0855	0.0985	0.0985	0.0855	0.0855
0.0940	0.0940	0.1095	0.1095	0.0940	0.0940	0.1095	0.1095	0.0940	0.0940
0.1025	0.1025	0.1205	0.1205	0.1025	0.1025	0.1205	0.1205	0.1025	0.1025
0.1110	0.1110	0.1315	0.1315	0.1110	0.1110	0.1315	0.1315	0.1110	0.1110
0.1195	0.1195	0.1425	0.1425	0.1195	0.1195	0.1425	0.1425	0.1195	0.1195
0.1280	0.1280	0.1535	0.1535	0.1280	0.1280	0.1535	0.1535	0.1280	0.1280
0.1365	0.1365	0.1645	0.1645	0.1365	0.1365	0.1645	0.1645	0.1365	0.1365
0.1450	0.1450	0.1755	0.1755	0.1450	0.1450	0.1755	0.1755	0.1450	0.1450
0.1535	0.1535	0.1865	0.1865	0.1535	0.1535	0.1865	0.1865	0.1535	0.1535
0.1620	0.1620	0.1975	0.1975	0.1620	0.1620	0.1975	0.1975	0.1620	0.1620
0.1705	0.1705	0.2085	0.2085	0.1705	0.1705	0.2085	0.2085	0.1705	0.1705
0.1790	0.1790	0.2195	0.2195	0.1790	0.1790	0.2195	0.2195	0.1790	0.1790
0.1875	0.1875	0.2305	0.2305	0.1875	0.1875	0.2305	0.2305	0.1875	0.1875
0.1960	0.1960	0.2415	0.2415	0.1960	0.1960	0.2415	0.2415	0.1960	0.1960
0.2045	0.2045	0.2525	0.2525	0.2045	0.2045	0.2525	0.2525	0.2045	0.2045
0.2130	0.2130	0.2635	0.2635	0.2130	0.2130	0.2635	0.2635	0.2130	0.2130
0.2215	0.2215	0.2745	0.2745	0.2215	0.2215	0.2745	0.2745	0.2215	0.2215
0.2300	0.2300	0.2855	0.2855	0.2300	0.2300	0.2855	0.2855	0.2300	0.2300
0.2385	0.2385	0.2965	0.2965	0.2385	0.2385	0.2965	0.2965	0.2385	0.2385
0.2470	0.2470	0.3075	0.3075	0.2470	0.2470	0.3075	0.3075	0.2470	0.2470
0.2555	0.2555	0.3185	0.3185	0.2555	0.2555	0.3185	0.3185	0.2555	0.2555
0.2640	0.2640	0.3295	0.3295	0.2640	0.2640	0.3295	0.3295	0.2640	0.2640
0.2725	0.2725	0.3405	0.3405	0.2725	0.2725	0.3405	0.3405	0.2725	0.2725
0.2810	0.2810	0.3515	0.3515	0.2810	0.2810	0.3515	0.3515	0.2810	0.2810
0.2895	0.2895	0.3625	0.3625	0.2895	0.2895	0.3625	0.3625	0.2895	0.2895
0.2980	0.2980	0.3735	0.3735	0.2980	0.2980	0.3735	0.3735	0.2980	0.2980
0.3065	0.3065	0.3845	0.3845	0.3065	0.3065	0.3845	0.3845	0.3065	0.3065
0.3150	0.3150	0.3955	0.3955	0.3150	0.3150	0.3955	0.3955	0.3150	0.3150
0.3235	0.3235	0.4065	0.4065	0.3235	0.3235	0.4065	0.4065	0.3235	0.3235
0.3320	0.3320	0.4175	0.4175	0.3320	0.3320	0.4175	0.4175	0.3320	0.3320
0.3405	0.3405	0.4285	0.4285	0.3405	0.3405	0.4285	0.4285	0.3405	0.3405
0.3490	0.3490	0.4395	0.4395	0.3490	0.3490	0.4395	0.4395	0.3490	0.3490
0.3575	0.3575	0.4505	0.4505	0.3575	0.3575	0.4505	0.4505	0.3575	0.3575
0.3660	0.3660	0.4615	0.4615	0.3660	0.3660	0.4615	0.4615	0.3660	0.3660
0.3745	0.3745	0.4725	0.4725	0.3745	0.3745	0.4725	0.4725	0.3745	0.3745
0.3830	0.3830	0.4835	0.4835	0.3830	0.3830	0.4835	0.4835	0.3830	0.3830
0.3915	0.3915	0.4945	0.4945	0.3915	0.3915	0.4945	0.4945	0.3915	0.3915
0.4000	0.4000	0.5055	0.5055	0.4000	0.4000	0.5055	0.5055	0.4000	0.4000
0.4085	0.4085	0.5165	0.5165	0.4085	0.4085	0.5165	0.5165	0.4085	0.4085
0.4170	0.4170	0.5275	0.5275	0.4170	0.4170	0.5275	0.5275	0.4170	0.4170
0.4255	0.4255	0.5385	0.5385	0.4255	0.4255	0.5385	0.5385	0.4255	0.4255
0.4340	0.4340	0.5495	0.5495	0.4340	0.4340	0.5495	0.5495	0.4340	0.4340
0.4425	0.4425	0.5605	0.5605	0.4425	0.4425	0.5605	0.5605	0.4425	0.4425
0.4510	0.4510	0.5715	0.5715	0.4510	0.4510	0.5715	0.5715	0.4510	0.4510
0.4595	0.4595	0.5825	0.5825	0.4595	0.4595	0.5825	0.5825	0.4595	0.4595
0.4680	0.4680	0.5935	0.5935	0.4680	0.4680	0.5935	0.5935	0.4680	0.4680
0.4765	0.4765	0.6045	0.6045	0.4765	0.4765	0.6045	0.6045	0.4765	0.4765
0.4850	0.4850	0.6155	0.6155	0.4850	0.4850	0.6155	0.6155	0.4850	0.4850
0.4935	0.4935	0.6265	0.6265	0.4935	0.4935	0.6265	0.6265	0.4935	0.4935
0.5020	0.5020	0.6375	0.6375	0.5020	0.5020	0.6375	0.6375	0.5020	0.5020
0.5105	0.5105	0.6485	0.6485	0.5105	0.5105	0.6485	0.6485	0.5105	0.5105
0.5190	0.5190	0.6595	0.6595	0.5190	0.5190	0.6595	0.6595	0.5190	0.5190
0.5275	0.5275	0.6705	0.6705	0.5275	0.5275	0.6705	0.6705	0.5275	0.5275
0.5360	0.5360	0.6815	0.6815	0.5360	0.5360	0.6815	0.6815	0.5360	0.5360
0.5445	0.5445	0.6925	0.6925	0.5445	0.5445	0.6925	0.6925	0.5445	0.5445
0.5530	0.5530	0.7035	0.7035	0.5530	0.5530	0.7035	0.7035	0.5530	0.5530
0.5615	0.5615	0.7145	0.7145	0.5615	0.5615	0.7145	0.7145	0.5615	0.5615
0.5700	0.5700	0.7255	0.7255	0.5700	0.5700	0.7255	0.7255	0.5700	0.5700
0.5785	0.5785	0.7365	0.7365	0.5785	0.5785	0.7365	0.7365	0.5785	0.5785
0.5870	0.5870	0.7475	0.7475	0.5870	0.5870	0.7475	0.7475	0.5870	0.5870
0.5955	0.5955	0.7585	0.7585	0.5955	0.5955	0.7585	0.7585	0.5955	0.5955
0.6040	0.6040	0.7695	0.7695	0.6040	0.6040	0.7695	0.7695	0.6040	0.6040
0.6125	0.6125	0.7805	0.7805	0.6125	0.6125	0.7805	0.7805	0.6125	0.6125
0.6210	0.6210	0.7915	0.7915	0.6210	0.6210	0.7915	0.7915	0.6210	0.6210
0.6295	0.6295	0.8025	0.8025	0.6295	0.6295	0.8025	0.8025	0.6295	0.6295
0.6380	0.6380	0.8135	0.8135	0.6380	0.6380	0.8135	0.8135	0.6380	0.6380
0.6465	0.6465	0.8245	0.8245	0.6465	0.6465	0.8245	0.8245	0.6465	0.6465
0.6550	0.6550	0.8355	0.8355	0.6550	0.6550	0.8355	0.8355	0.6550	0.6550
0.6635	0.6635	0.8465	0.8465	0.6635	0.6635	0.8465	0.8465	0.6635	0.6635
0.6720	0.6720	0.8575	0.8575	0.6720	0.6720	0.8575	0.8575	0.6720	0.6720
0.6805	0.6805	0.8685	0.8685	0.6805	0.6805	0.8685	0.8685	0.6805	0.6805
0.6890	0.6890	0.8795	0.8795	0.6890	0.6890	0.8795	0.8795	0.6890	0.6890
0.6975	0.6975	0.8905	0.8905	0.6975	0.6975	0.8905	0.8905	0.6975	0.6975
0.7060	0.7060	0.9015	0.9015	0.7060	0.7060	0.9015	0.9015	0.7060	0.7060
0.7145	0.7145	0.9125	0.9125	0.7145	0.7145	0.9125	0.9125	0.7145	0.7145
0.7230	0.7230	0.9235	0.9235	0.7230	0.7230	0.9235	0.9235	0.7230	0.7230
0.7315	0.7315	0.9345	0.9345	0.7315	0.7315	0.9345	0.9345	0.7315	0.7315
0.7400	0.7400	0.9455	0.9455	0.7400	0.7400	0.9455	0.9455	0.7400	0.7400
0.7485	0.7485	0.9565	0.9565	0.7485	0.7485	0.9565	0.9565	0.7485	0.7485
0.7570	0.7570	0.9675	0.9675	0.7570	0.7570	0.9675	0.9675	0.7570	0.7570
0.7655	0.7655	0.9785	0.9785	0.7655	0.7655	0.9785	0.9785	0.7655	0.7655
0.7740	0.7740	0.9895	0.9895	0.7740	0.7740	0.9895	0.9895	0.7740	0.7740
0.7825	0.7825	1.0005	1.0005	0.7825	0.7825	1.0005	1.0005	0.7825	0.7825
0.7910	0.7910	1.0115	1.0115	0.7910	0.7910	1.0115	1.0115	0.7910	0.7910
0.7995	0.7995	1.0225	1.0225	0.7995	0.7995	1.0225	1.0225	0.7995	0.7995
0.8080	0.8080	1.0335	1.0335	0.8080	0.8080	1.0335	1.0335	0.8080	0.8080
0.8165	0.8165	1.0445	1.0445	0.8165	0.8165	1.0445	1.0445	0.8165	0.8165
0.8250	0.8250	1.0555	1.0555	0.8250	0.8250	1.0555	1.0555	0.8250	0.8250
0.8335	0.8335	1.0665	1.0665	0.8335	0.8335	1.0665	1.0665	0.8335	0.8335
0.8420	0.8420	1.0775	1.0775	0.8420	0.8420	1.0775	1.0775	0.8420	0.8420
0.8505	0.8505	1.0885	1.0885	0.8505	0.8505	1.0885	1.0885	0.8505	0.8505
0.8590	0.8590	1.0995	1.0995	0.8590	0.8590	1.0995	1.0995	0.8590	0.8590
0.8675	0.8675	1.1105	1.1105	0.8675	0.8675	1.1105	1.1105	0.8675	0.8675
0.8760	0.8760	1.1215	1.1215	0.8760	0.8760	1.1215	1.1215	0.8760	0.8760
0.8845	0.8845	1.1325	1.1325	0.8845	0.8845	1.1325	1.1325	0.8845	0.8845
0.8930	0.8930	1.1435	1.1435	0.893					

3.617	1.04	9.667	2.57	15.717	2.41	21.77	0.96
3.633	1.04	9.683	2.59	15.733	2.41	21.78	0.96
3.650	1.04	9.699	2.61	15.750	2.41	21.79	0.96
3.667	1.04	9.717	2.63	15.767	2.41	21.82	0.96
3.683	1.04	9.733	2.65	15.783	2.41	21.83	0.96
3.700	1.04	9.750	2.67	15.800	2.41	21.84	0.96
3.717	1.04	9.767	2.69	15.817	2.41	21.87	0.96
3.733	1.04	9.783	2.69	15.833	2.41	21.88	0.96
3.750	1.04	9.800	2.71	15.850	2.41	21.89	0.96
3.767	1.04	9.817	2.69	15.867	2.41	21.92	0.96
3.783	1.04	9.833	2.69	15.883	2.41	21.93	0.96
3.800	1.04	9.850	2.69	15.900	2.41	21.95	0.96
3.817	1.04	9.867	2.69	15.917	2.41	21.96	0.96
3.833	1.04	9.883	2.69	15.933	2.41	21.98	0.96
3.850	1.04	9.900	2.69	15.950	2.41	22.00	0.96
3.867	1.04	9.917	2.69	15.967	2.41	22.03	0.96
3.883	1.04	9.933	2.69	15.983	2.41	22.05	0.96
3.900	1.04	9.950	2.69	16.000	2.41	22.06	0.96
3.917	1.04	9.967	2.69	16.017	2.41	22.08	0.96
3.933	1.04	9.983	2.69	16.033	2.41	22.10	0.96
3.950	1.04	10.000	2.69	16.050	2.41	22.10	0.96
3.967	1.04	10.017	2.69	16.067	2.41	22.11	0.96
3.983	1.04	10.033	2.69	16.083	2.41	22.13	0.96
3.999	1.04	10.050	2.69	16.100	2.41	22.15	0.96
4.017	1.04	10.067	2.69	16.117	2.41	22.16	0.96
4.033	1.04	10.083	2.69	16.133	2.41	22.18	0.96
4.050	1.04	10.100	2.69	16.150	2.41	22.20	0.96
4.067	1.04	10.117	2.69	16.167	2.41	22.22	0.96
4.083	1.04	10.133	2.69	16.183	2.41	22.23	0.96
4.100	1.04	10.150	2.69	16.200	1.45	22.25	0.96
4.117	1.04	10.167	2.69	16.217	1.45	22.27	0.96
4.133	1.04	10.183	2.69	16.233	1.45	22.28	0.96
4.150	1.04	10.200	2.69	16.250	1.45	22.30	0.96
4.167	1.04	10.217	2.69	16.267	1.45	22.32	0.96
4.183	1.04	10.233	2.69	16.283	1.45	22.33	0.96
4.200	1.29	10.250	2.69	16.300	1.45	22.35	0.96
4.217	1.29	10.267	2.69	16.317	1.45	22.37	0.96
4.233	1.29	10.283	2.69	16.333	1.45	22.40	0.96
4.250	1.29	10.300	2.69	16.350	1.45	22.40	0.96
4.267	1.29	10.317	2.69	16.367	1.45	22.42	0.96
4.283	1.29	10.333	2.69	16.383	1.45	22.43	0.96
4.300	1.29	10.350	2.69	16.400	1.45	22.45	0.96
4.317	1.29	10.367	2.69	16.417	1.45	22.47	0.96
4.333	1.29	10.383	2.69	16.433	1.45	22.48	0.96
4.350	1.29	10.400	2.69	16.450	1.45	22.49	0.96
4.367	1.29	10.417	2.69	16.467	1.45	22.52	0.96
4.383	1.29	10.433	2.69	16.483	1.45	22.53	0.96
4.400	1.29	10.450	2.69	16.500	1.45	22.55	0.96
4.417	1.29	10.467	2.69	16.517	1.45	22.57	0.96
4.433	1.29	10.483	2.69	16.533	1.45	22.58	0.96
4.450	1.29	10.500	2.69	16.550	1.45	22.62	0.96
4.467	1.29	10.517	2.69	16.567	1.45	22.63	0.96
4.483	1.29	10.533	2.69	16.583	1.45	22.67	0.96
4.500	1.29	10.550	2.69	16.600	1.45	22.67	0.96
4.517	1.29	10.567	2.69	16.617	1.45	22.68	0.96
4.533	1.29	10.583	2.69	16.633	1.45	22.68	0.96
4.550	1.29	10.600	2.69	16.650	1.45	22.72	0.96
4.567	1.29	10.617	2.69	16.667	1.45	22.72	0.96
4.583	1.29	10.633	2.69	16.683	1.45	22.73	0.96
4.600	1.29	10.650	2.69	16.700	1.45	22.77	0.96
4.617	1.29	10.667	2.69	16.717	1.45	22.77	0.96
4.633	1.29	10.683	2.69	16.733	1.45	22.78	0.96
4.650	1.29	10.700	2.69	16.750	1.45	22.80	0.96
4.667	1.29	10.717	2.69	16.767	1.45	22.82	0.96

141

4.683	1.29	10.733	2.69	16.783	1.45	22.83	0.96
4.700	1.29	10.750	2.69	16.800	1.45	22.85	0.96
4.717	1.29	10.767	2.69	16.817	1.45	22.86	0.96
4.733	1.29	10.783	2.69	16.833	1.45	22.88	0.96
4.750	1.29	10.800	2.69	16.850	1.45	22.89	0.96
4.767	1.29	10.817	2.69	16.867	1.45	22.90	0.96
4.783	1.29	10.833	2.69	16.883	1.45	22.91	0.96
4.800	1.29	10.850	2.69	16.900	1.45	22.95	0.96
4.817	1.29	10.867	2.69	16.917	1.45	22.96	0.96
4.833	1.29	10.883	2.69	16.933	1.45	22.96	0.96
4.850	1.29	10.900	2.69	16.950	1.45	22.98	0.96
4.867	1.29	10.917	2.69	16.967	1.45	22.98	0.96
4.883	1.29	10.933	2.69	16.983	1.45	22.99	0.96
4.900	1.29	10.950	2.69	17.000	1.45	23.02	0.96
4.917	1.29	10.967	2.69	17.017	1.45	23.02	0.96
4.933	1.29	10.983	2.69	17.033	1.45	23.03	0.96
4.950	1.29	11.000	2.69	17.050	1.45	23.03	0.96
4.967	1.29	11.017	2.69	17.067	1.45	23.07	0.96
4.983	1.29	11.033	2.69	17.083	1.45	23.07	0.96
5.000	1.29	11.050	2.69	17.100	1.45	23.10	0.96
5.017	1.29	11.067	2.69	17.117	1.45	23.12	0.96
5.033	1.29	11.083	2.69	17.133	1.45	23.15	0.96
5.050	1.29	11.100	2.69	17.150	1.45	23.17	0.96
5.067	1.29	11.117	2.69	17.167	1.45	23.20	0.96
5.083	1.29	11.133	2.69	17.183	1.45	23.22	0.96
5.100	1.29	11.150	2.69	17.200	1.45	23.25	0.96
5.117	1.29	11.167	2.69	17.217	1.45	23.27	0.96
5.133	1.29	11.183	2.69	17.233	1.45	23.28	0.96
5.150	1.29	11.200	2.69	17.250	1.45	23.30	0.96
5.167	1.29	11.217	2.69	17.267	1.45	23.32	0.96
5.183	1.29	11.233	2.69	17.283	1.45	23.33	0.96
5.200	1.29	11.250	2.69	17.300	1.45	23.37	0.96
5.217	1.29	11.267	2.69	17.317	1.45	23.37	0.96
5.233	1.29	11.283	2.69	17.333	1.45	23.38	0.96
5.250	1.29	11.300	2.69	17.350	1.45	23.38	0.96
5.267	1.29	11.317	2.69	17.367	1.45	23.42	0.96
5.283	1.29	11.333	2.69	17.383	1.45	23.43	0.96
5.300	1.29	11.350	2.69	17.400	1.45	23.44	0.96
5.317	1.29	11.367	2.69	17.417	1.45	23.47	0.96
5.333	1.29	11.383	2.69	17.433	1.45	23.48	0.96
5.350	1.29	11.400	2.69	17.450	1.45	23.50	0.96
5.367	1.29	11.417	2.69	17.467	1.45	23.52	0.96
5.383	1.29	11.433	2.69	17.483	1.45	23.53	0.96
5.400	1.29	11.450	2.69	17.500	1.45	23.57	0.96
5.417	1.29	11.467	2.69	17.517	1.45	23.57	0.96
5.433	1.29	11.483	2.69	17.533	1.45	23.58	0.96
5.450	1.29	11.500	2.69	17.550	1.45	23.60	0.96
5.467	1.29	11.517	2.69	17.567	1.45	23.60	0.96
5.483	1.29	11.533	2.69	17.583	1.45	23.63	0.96
5.500	1.29	11.550	2.69	17.600	1.45	23.65	0.96
5.517	1.29	11.567	2.69	17.617	1.45	23.65	0.96
5.533	1.29	11.583	2.69	17.633	1.45	23.66	0.96
5.550	1.29	11.600	2.69	17.650	1.45	23.70	0.96
5.567	1.29	11.617	2.69	17.667	1.45	23.70	0.96
5.583	1.29	11.633	2.69	17.683	1.45	23.73	0.96
5.600	1.29	11.650	2.69	17.700	1.45	23.75	0.96
5.617	1.29	11.667	2.69	17.717	1.45	23.76	0.96
5.633	1.29	11.683	2.69	17.733	1.45	23.78	0.96
5.650	1.29	11.700	2.69	17.750	1.45	23.80	0.96
5.667	1.29	11.717	2.69	17.767	1.45	23.82	0.96
5.683	1.29	11.733	2.69	17.783	1.45	23.84	0.96
5.700	1.29	11.750	2.69	17.800	1.45	23.85	0.96
5.717	1.29	11.767	2.69	17.817	1.45	23.87	0.96
5.733	1.29	11.783	2.69	17.833	1.45	23.87	0.96
5.750	1.29	11.800	2.69	17.850	1.45	23.88	0.96

142

5.750	1.29	11.800	23.78	17.850	1.45	23.90	0.96
5.767	1.29	11.817	23.78	17.867	1.45	23.92	0.96
5.783	1.29	11.833	23.78	17.883	1.45	23.93	0.96
5.800	1.29	11.850	23.78	17.900	1.45	23.95	0.96
5.817	1.29	11.867	23.78	17.917	1.45	23.97	0.96
5.833	1.29	11.883	23.78	17.933	1.45	23.98	0.96
5.850	1.29	11.900	23.78	17.950	1.45	24.00	0.96
5.867	1.29	11.917	23.78	17.967	1.45	24.02	0.96
5.883	1.29	11.933	23.78	17.983	1.45	24.05	0.96
5.900	1.29	11.950	23.78	18.000	1.45	24.06	0.96
5.917	1.29	11.967	23.78	18.017	1.45	24.07	0.96
5.933	1.29	11.983	23.78	18.033	1.45	24.08	0.96
5.950	1.29	11.999	23.78	18.049	1.45	24.10	0.96
5.967	1.29	12.017	23.78	18.067	1.45	24.12	0.96
5.983	1.29	12.033	23.78	18.083	1.45	24.13	0.96
5.999	1.29	12.050	23.78	18.099	1.45	24.14	0.96
6.017	1.29	12.067	23.78	18.117	1.45	24.17	0.96
6.033	1.29	12.083	23.78	18.133	1.45	24.17	0.96
6.050	1.29	12.100	23.78	18.150	1.45	24.17	0.96

ten. (mm/hr)=	98.35	134.93
per (in)	0.01	0.02
erf. (in)	1.22 (11)	4.72 (11)
min)	5.00	5.00
peak (in)	0.45	0.23
peak (cms)		
(cms)	0.01	0.02
AK (ms)	79.35	12.78
UNE (%)	60.73	60.73
FALL	80.35	80.35
EFFICIENT	0.99	0.66
		0.76
		TOTALS
		0.028 (111)

1.183	0.88	7.233	1.77	13.283	4.34	19.33	1.45	2.259	1.04	8.369	2.69	14.369	2.41	26.40	0.96
1.269	0.88	7.269	1.77	13.369	4.34	19.35	1.45	2.267	1.04	8.317	2.69	14.367	2.41	26.42	0.96
1.233	0.88	7.233	1.77	13.333	4.34	19.38	1.45	2.300	1.04	8.356	2.69	14.400	2.41	26.45	0.96
1.259	0.88	7.369	1.77	13.359	4.34	19.40	1.45	2.317	1.04	8.367	2.69	14.417	2.41	26.47	0.96
1.269	0.88	7.333	1.77	13.383	4.34	19.43	1.45	2.330	1.04	8.383	2.69	14.438	2.41	26.49	0.96
1.309	0.88	7.369	1.77	13.409	4.34	19.45	1.45	2.367	1.04	8.417	2.69	14.467	2.41	26.52	0.96
1.333	0.88	7.333	1.77	13.437	4.34	19.48	1.45	2.383	1.04	8.456	2.69	14.483	2.41	26.55	0.96
1.359	0.88	7.489	1.77	13.459	4.34	19.50	1.45	2.417	1.04	8.467	2.69	14.517	2.41	26.57	0.96
1.367	0.88	7.417	1.77	13.467	4.34	19.52	1.45	2.434	1.04	8.483	2.69	14.533	2.41	26.58	0.96
1.409	0.88	7.459	1.77	13.509	4.34	19.55	1.45	2.467	1.04	8.517	2.69	14.567	2.41	26.62	0.96
1.417	0.88	7.467	1.77	13.517	4.34	19.57	1.45	2.483	1.04	8.523	2.69	14.583	2.41	26.63	0.96
1.456	0.88	7.599	1.77	13.556	4.34	19.60	1.45	2.517	1.04	8.567	2.69	14.617	2.41	26.67	0.96
1.467	0.88	7.517	1.77	13.567	4.34	19.62	1.45	2.533	1.04	8.583	2.69	14.633	2.41	26.68	0.96
1.509	0.88	7.599	1.77	13.609	4.34	19.65	1.45	2.567	1.04	8.617	2.69	14.667	2.41	26.72	0.96
1.517	0.88	7.567	1.77	13.617	4.34	19.67	1.45	2.583	1.04	8.633	2.69	14.683	2.41	26.73	0.96
1.569	0.88	7.699	1.77	13.659	4.34	19.70	1.45	2.617	1.04	8.667	2.69	14.717	2.41	26.77	0.96
1.567	0.88	7.617	1.77	13.667	4.34	19.72	1.45	2.633	1.04	8.683	2.69	14.733	2.41	26.78	0.96
1.609	0.88	7.699	1.77	13.709	4.34	19.75	1.45	2.667	1.04	8.717	2.69	14.767	2.41	26.82	0.96
1.617	0.88	7.667	1.77	13.717	4.34	19.77	1.45	2.683	1.04	8.733	2.69	14.783	2.41	26.83	0.96
1.633	0.88	7.683	1.77	13.723	4.34	19.78	1.45	2.709	1.04	8.759	2.69	14.809	2.41	26.85	0.96
1.663	0.88	7.753	1.77	13.763	4.34	19.81	1.45	2.739	1.04	8.809	2.69	14.839	2.41	26.89	0.96
1.667	0.88	7.717	1.77	13.767	4.34	19.82	1.45	2.753	1.04	8.783	2.69	14.833	2.41	26.88	0.96
1.717	0.88	7.767	1.77	13.817	4.34	19.87	1.45	2.833	1.04	8.833	2.69	14.883	2.41	26.93	0.96
1.733	0.88	7.783	1.77	13.833	4.34	19.88	1.45	2.869	1.04	8.859	2.69	14.909	2.41	26.95	0.96
1.767	0.88	7.817	1.77	13.867	4.34	19.92	1.45	2.883	1.04	8.883	2.69	14.933	2.41	26.96	0.96
1.783	0.88	7.833	1.77	13.883	4.34	19.93	1.45	2.899	1.04	8.899	2.69	14.959	2.41	26.98	0.96
1.807	0.88	7.867	1.77	13.917	4.34	19.97	1.45	2.933	1.04	8.933	2.69	14.983	2.41	27.03	0.96
1.833	0.88	7.883	1.77	13.933	4.34	19.98	1.45	2.969	1.04	8.959	2.69	15.009	2.41	27.05	0.96
1.863	0.88	7.917	1.77	13.967	4.34	20.02	1.45	2.983	1.04	8.983	2.69	15.033	2.41	27.06	0.96
1.883	0.88	7.933	1.77	13.983	4.34	20.03	1.45	2.999	1.04	8.999	2.69	15.049	2.41	27.08	0.96
1.909	0.88	7.999	1.77	14.009	4.34	20.07	1.45	3.067	1.04	9.017	2.69	15.067	2.41	27.12	0.96
1.933	0.88	7.983	1.77	14.033	4.34	20.08	1.45	3.089	1.04	8.959	2.69	15.089	2.41	27.15	0.96
1.969	0.88	8.099	1.77	14.059	4.34	20.19	1.45	3.017	1.04	8.967	2.69	15.117	2.41	27.17	0.96
1.983	0.88	8.033	1.77	14.083	4.34	20.13	1.45	3.059	1.04	8.989	2.69	15.139	2.41	27.19	0.96
2.009	0.88	8.069	1.77	14.109	4.34	20.15	1.45	3.067	1.04	8.917	2.69	15.167	2.41	27.22	0.96
2.059	0.88	8.109	1.77	14.159	4.34	20.26	0.96	3.117	1.04	8.967	2.69	15.217	2.41	27.27	0.96
2.063	0.88	8.133	1.77	14.183	4.34	20.23	0.96	3.139	1.04	8.983	2.69	15.239	2.41	27.30	0.96
2.109	0.88	8.159	1.77	14.209	4.34	20.25	0.96	3.167	1.04	8.917	2.69	15.267	2.41	27.32	0.96
2.133	0.88	8.133	1.77	14.233	4.34	20.26	0.96	3.200	1.04	8.959	2.69	15.300	2.41	27.35	0.96
2.169	0.88	8.299	1.77	14.259	4.34	20.30	0.96	3.217	1.04	8.967	2.69	15.317	2.41	27.37	0.96
2.183	0.88	8.233	1.77	14.283	4.34	20.33	0.96	3.253	1.04	8.983	2.69	15.353	2.41	27.38	0.96
2.193	0.88	8.253	1.77	14.293	4.34	20.33	0.96	3.253	1.04	8.983	2.69	15.353	2.41	27.38	0.96
2.217	1.04	8.259	2.69	14.317	2.41	20.35	0.96	3.267	1.04	8.917	2.69	15.367	2.41	27.42	0.96
2.233	1.04	8.267	2.69	14.317	2.41	20.37	0.96	3.300	1.04	8.933	2.69	15.383	2.41	27.43	0.96
2.233	1.04	8.265	2.69	14.333	2.41	20.36	0.96	3.300	1.04	8.933	2.69	15.400	2.41	27.43	0.96

145

3.317	1.04	9.367	2.67	15.417	2.41	21.47	0.96	4.383	1.29	10.433	3.70	16.483	1.45	22.53	0.96
3.333	1.04	9.383	2.67	15.433	2.41	21.48	0.96	4.409	1.29	10.459	3.70	16.509	1.45	22.55	0.96
3.367	1.04	9.417	2.67	15.467	2.41	21.52	0.96	4.433	1.29	10.483	3.70	16.533	1.45	22.56	0.96
3.383	1.04	9.433	2.67	15.483	2.41	21.53	0.96	4.459	1.29	10.509	3.70	16.559	1.45	22.59	0.96
3.417	1.04	9.467	2.67	15.517	2.41	21.57	0.96	4.483	1.29	10.533	3.70	16.583	1.45	22.60	0.96
3.433	1.04	9.483	2.67	15.533	2.41	21.58	0.96	4.509	1.29	10.559	3.70	16.609	1.45	22.65	0.96
3.467	1.04	9.517	2.67	15.567	2.41	21.62	0.96	4.533	1.29	10.583	3.70	16.633	1.45	22.66	0.96
3.483	1.04	9.533	2.67	15.583	2.41	21.63	0.96	4.560	1.29	10.609	3.70	16.659	1.45	22.70	0.96
3.509	1.04	9.569	2.67	15.609	2.41	21.65	0.96	4.567	1.29	10.617	3.70	16.677	1.45	22.72	0.96
3.533	1.04	9.583	2.67	15.633	2.41	21.68	0.96	4.600	1.29	10.659	3.70	16.700	1.45	22.75	0.96
3.559	1.04	9.609	2.67	15.659	2.41	21.70	0.96	4.617	1.29	10.667	3.70	16.717	1.45	22.77	0.96
3.583	1.04	9.633	2.67	15.683	2.41	21.73	0.96	4.659	1.29	10.709	3.70	16.759	1.45	22.80	0.96
3.609	1.04	9.659	2.67	15.709	2.41	21.75	0.96	4.667	1.29	10.717	3.70	16.767	1.45	22.82	0.96
3.633	1.04	9.683	2.69	15.733	2.41	21.76	0.96	4.700	1.29	10.759	3.70	16.800	1.45	22.85	0.96
3.659	1.04	9.709	2.69	15.759	2.41	21.80	0.96	4.717	1.29	10.767	3.70	16.817	1.45	22.87	0.96
3.683	1.04	9.733	2.69	15.783	2.41	21.83	0.96	4.739	1.29	10.789	3.70	16.839	1.45	22.89	0.96
3.709	1.04	9.759	2.69	15.809	2.41	21.85	0.96	4.767	1.29	10.817	3.70	16.867	1.45	22.92	0.96
3.733	1.04	9.783	2.69	15.833	2.41	21.88	0.96	4.800	1.29	10.859	3.70	16.900	1.45	22.95	0.96
3.759	1.04	9.809	2.69	15.859	2.41	21.90	0.96	4.817	1.29	10.867	3.70	16.917	1.45	22.97	0.96
3.787	1.04	9.817	2.69	15.887	2.41	21.93	0.96	4.833	1.29	10.883	3.70	16.933	1.45	22.98	0.96
3.817	1.04	9.867	2.69	15.917	2.41	21.97	0.96	4.863	1.29	10.933	3.70	16.983	1.45	23.02	0.96
3.856	1.04	9.999	2.69	15.959	2.41	22.00	0.96	4.867	1.29	10.917	3.70	16.967	1.45	23.02	0.96
3.866	1.04	9.999	2.69	15.959	2.41	22.00	0.96	4.917	1.29	10.967	3.70	17.017	1.45	23.07	0.96
3.909	1.04	9.959	2.69	16.009	2.41	22.05	0.96	4.967	1.29	11.017	3.70	17.067	1.45	23.12	0.96
3.917	1.04	9.967	2.69	16.017	2.41	22.07	0.96	4.983	1.29	11.033	3.70	17.083	1.45	23.13	0.96
3.969	1.04	10.099	2.69	16.059	2.41	22.10	0.96	5.017	1.29	11.069	3.70	17.117	1.45	23.17	0.96
3.967	1.04	10.017	2.69	16.067	2.41	22.12	0.96	5.033	1.29	11.083	3.70	17.133	1.45	23.18	0.96
4.009	1.04	10.099	2.69	16.109	2.41	22.15	0.96	5.067	1.29	11.119	3.70	17.167	1.45	23.22	0.96
4.017	1.04	10.067	2.69	16.117	2.41	22.17	0.96	5.083	1.29	11.133	3.70	17.183	1.45	23.23	0.96
4.063	1.04	10.083	2.69	16.133	2.41	22.18	0.96	5.109	1.29	11.159	3.70	17.209	1.45	23.27	0.96
4.067	1.04	10.117	2.69	16.167	2.41	22.22	0.96	5.169	1.29	11.183	3.70	17.233	1.45	23.28	0.96
4.083	1.04	10.133	2.69	16.183	1.45	22.23	0.96	5.169	1.29	11.209	3.70	17.259	1.45	23.29	0.96
4.117	1.04	10.167	2.69	16.217	1.45	22.27	0.96	5.							

5.450 1.29 11.500 7.71 17.550 1.45 23.60 0.96
5.467 1.29 11.517 7.71 17.567 1.45 23.62 0.96
5.500 1.29 11.550 7.71 17.600 1.45 23.63 0.96
5.517 1.29 11.567 7.71 17.617 1.45 23.67 0.96
5.534 1.29 11.584 7.71 17.634 1.45 23.67 0.96
5.550 1.29 11.600 7.71 17.650 1.45 23.70 0.96
5.567 1.29 11.617 7.71 17.667 1.45 23.72 0.96
5.584 1.29 11.634 7.71 17.684 1.45 23.75 0.96
5.600 1.29 11.650 7.71 17.700 1.45 23.77 0.96
5.617 1.29 11.667 7.71 17.717 1.45 23.77 0.96
5.634 1.29 11.683 7.71 17.733 1.45 23.78 0.96
5.650 1.29 11.700 7.71 17.750 1.45 23.78 0.96
5.667 1.29 11.717 7.71 17.767 1.45 23.82 0.96
5.684 1.29 11.733 7.71 17.783 1.45 23.83 0.96
5.700 1.29 11.750 7.71 17.800 1.45 23.87 0.96
5.717 1.29 11.767 7.71 17.817 1.45 23.87 0.96
5.734 1.29 11.783 7.71 17.833 1.45 23.88 0.96
5.750 1.29 11.800 7.71 17.850 1.45 23.92 0.96
5.767 1.29 11.817 7.71 17.867 1.45 23.92 0.96
5.784 1.29 11.833 7.71 17.883 1.45 23.93 0.96
5.800 1.29 11.850 7.71 17.900 1.45 23.97 0.96
5.817 1.29 11.867 7.71 17.917 1.45 23.98 0.96
5.834 1.29 11.883 7.71 17.933 1.45 23.98 0.96
5.850 1.29 11.900 7.71 17.950 1.45 24.02 0.96
5.867 1.29 11.917 7.71 17.967 1.45 24.02 0.96
5.884 1.29 11.933 7.71 17.983 1.45 24.03 0.96
5.900 1.29 11.950 7.71 18.000 1.45 24.05 0.96
5.917 1.29 11.967 7.71 18.017 1.45 24.05 0.96
5.934 1.29 11.983 7.71 18.033 1.45 24.08 0.96
5.950 1.29 12.000 7.71 18.050 1.45 24.10 0.96
5.967 1.29 12.017 7.71 18.067 1.45 24.13 0.96
5.984 1.29 12.033 7.71 18.083 1.45 24.13 0.96
6.000 1.29 12.050 7.71 18.100 1.45 24.15 0.96
6.017 1.29 12.067 7.71 18.117 1.45 24.15 0.96
6.034 1.29 12.083 7.71 18.133 1.45 24.17 0.96
6.050 1.29 12.100 7.71 18.150 1.45 24.17 0.96

Max Eff. Inten. (mm/hr) = 98.35 134.93
Storage over (min) = 5.00 6.00 (11)
Storage peak (min) = 5.00 6.00 (11)
Unit Hyd. peak (cms) = 0.37 0.20
PEAK FLOW (cms) = 0.91
TIME TO PEAK (hrs) = 12.17
RUNOFF VOLUME (mm) = 79.35 12.18
RUNOFF COEFFICIENT = 0.93 0.76

(1) CN PROCEDURE SELECTED FOR Pervious Losses:
CN* = 86.0 (1) = Dep. Storage (Above)
(11) THAN THE STORAGE COEFFICIENT OR EQUAL
(111) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

ADD HYD. (0915)
1 + 2 = 3
ID= 1 (0902)

AREA QPEAK TPEAK R.V.
(ha) (cms) (hrs) (mm)
0.13 0.026 12.17 60.73

149

+ ID= 2 (0903) : 0.10 0.021 12.17 60.72
ID = 3 (0905) : 0.23 0.049 12.17 60.73

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD. (0920)
2 (0915)
+ ID= 1 (0905) : 0.23 0.049 12.17 60.73
ID = 3 (0902) : 24.11 0.984 12.45 57.81

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

V V I SSSS U U A A L
V V I SS U U AAAAA L
V V I SSSS UUUU A A LLLL

(V 6.2.2016)

000 TTTT TTTT H H Y Y M M OOO TM
O O T T H H Y Y M M O O
OOO distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All rights reserved.

***** D E T A I L E D O U T P U T *****

Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\vojn.dat
Output filename:
C:\Users\me\lck\AppData\Local\Clvica\WMS\35c3f405-d877-4180-893e-ce77d50d094a\3b612
18e-d41e-4ecb-8106-929c27fa1d7\scen
C:\Users\me\lck\AppData\Local\Clvica\WMS\35c3f405-d877-4180-893e-ce77d50d094a\3b612
18e-d41e-4ecb-8106-929c27fa1d7\scen

DATE: 11/29/2024 TIME: 08:56:02

USER:

COMMENTS: ** SIMULATION : 025 Year 3 Hour Chicago (St. ***

150

READ STORM Filename: C:\Users\me\lck\AppData
Local\Temp\ata\LocalTemp
Comments: 025 Year 3 Hour Chicago (St. Catharines)
Total= 49.62 mm
TIME RAIN TIME RAIN TIME RAIN
hrs mm/hr hrs mm/hr hrs mm/hr
0.00 0.00 0.00 0.00 0.00 0.00
0.08 0.08 0.08 0.08 0.08 0.08
0.16 0.16 0.16 0.16 0.16 0.16
0.24 0.24 0.24 0.24 0.24 0.24
0.32 0.32 0.32 0.32 0.32 0.32
0.40 0.40 0.40 0.40 0.40 0.40
0.48 0.48 0.48 0.48 0.48 0.48
0.56 0.56 0.56 0.56 0.56 0.56
0.64 0.64 0.64 0.64 0.64 0.64
0.72 0.72 0.72 0.72 0.72 0.72
0.80 0.80 0.80 0.80 0.80 0.80
0.88 0.88 0.88 0.88 0.88 0.88
0.96 0.96 0.96 0.96 0.96 0.96
1.04 1.04 1.04 1.04 1.04 1.04
1.12 1.12 1.12 1.12 1.12 1.12
1.20 1.20 1.20 1.20 1.20 1.20
1.28 1.28 1.28 1.28 1.28 1.28
1.36 1.36 1.36 1.36 1.36 1.36
1.44 1.44 1.44 1.44 1.44 1.44
1.52 1.52 1.52 1.52 1.52 1.52
1.60 1.60 1.60 1.60 1.60 1.60
1.68 1.68 1.68 1.68 1.68 1.68
1.76 1.76 1.76 1.76 1.76 1.76
1.84 1.84 1.84 1.84 1.84 1.84
1.92 1.92 1.92 1.92 1.92 1.92
2.00 2.00 2.00 2.00 2.00 2.00
2.08 2.08 2.08 2.08 2.08 2.08
2.16 2.16 2.16 2.16 2.16 2.16
2.24 2.24 2.24 2.24 2.24 2.24
2.32 2.32 2.32 2.32 2.32 2.32
2.40 2.40 2.40 2.40 2.40 2.40
2.48 2.48 2.48 2.48 2.48 2.48
2.56 2.56 2.56 2.56 2.56 2.56
2.64 2.64 2.64 2.64 2.64 2.64
2.72 2.72 2.72 2.72 2.72 2.72
2.80 2.80 2.80 2.80 2.80 2.80
2.88 2.88 2.88 2.88 2.88 2.88
2.96 2.96 2.96 2.96 2.96 2.96
3.04 3.04 3.04 3.04 3.04 3.04
3.12 3.12 3.12 3.12 3.12 3.12
3.20 3.20 3.20 3.20 3.20 3.20
3.28 3.28 3.28 3.28 3.28 3.28
3.36 3.36 3.36 3.36 3.36 3.36
3.44 3.44 3.44 3.44 3.44 3.44
3.52 3.52 3.52 3.52 3.52 3.52
3.60 3.60 3.60 3.60 3.60 3.60
3.68 3.68 3.68 3.68 3.68 3.68
3.76 3.76 3.76 3.76 3.76 3.76
3.84 3.84 3.84 3.84 3.84 3.84
3.92 3.92 3.92 3.92 3.92 3.92
4.00 4.00 4.00 4.00 4.00 4.00
4.08 4.08 4.08 4.08 4.08 4.08
4.16 4.16 4.16 4.16 4.16 4.16
4.24 4.24 4.24 4.24 4.24 4.24
4.32 4.32 4.32 4.32 4.32 4.32
4.40 4.40 4.40 4.40 4.40 4.40
4.48 4.48 4.48 4.48 4.48 4.48
4.56 4.56 4.56 4.56 4.56 4.56
4.64 4.64 4.64 4.64 4.64 4.64
4.72 4.72 4.72 4.72 4.72 4.72
4.80 4.80 4.80 4.80 4.80 4.80
4.88 4.88 4.88 4.88 4.88 4.88
4.96 4.96 4.96 4.96 4.96 4.96
5.04 5.04 5.04 5.04 5.04 5.04
5.12 5.12 5.12 5.12 5.12 5.12
5.20 5.20 5.20 5.20 5.20 5.20
5.28 5.28 5.28 5.28 5.28 5.28
5.36 5.36 5.36 5.36 5.36 5.36
5.44 5.44 5.44 5.44 5.44 5.44
5.52 5.52 5.52 5.52 5.52 5.52
5.60 5.60 5.60 5.60 5.60 5.60
5.68 5.68 5.68 5.68 5.68 5.68
5.76 5.76 5.76 5.76 5.76 5.76
5.84 5.84 5.84 5.84 5.84 5.84
5.92 5.92 5.92 5.92 5.92 5.92
6.00 6.00 6.00 6.00 6.00 6.00
6.08 6.08 6.08 6.08 6.08 6.08
6.16 6.16 6.16 6.16 6.16 6.16
6.24 6.24 6.24 6.24 6.24 6.24
6.32 6.32 6.32 6.32 6.32 6.32
6.40 6.40 6.40 6.40 6.40 6.40
6.48 6.48 6.48 6.48 6.48 6.48
6.56 6.56 6.56 6.56 6.56 6.56
6.64 6.64 6.64 6.64 6.64 6.64
6.72 6.72 6.72 6.72 6.72 6.72
6.80 6.80 6.80 6.80 6.80 6.80
6.88 6.88 6.88 6.88 6.88 6.88
6.96 6.96 6.96 6.96 6.96 6.96
7.04 7.04 7.04 7.04 7.04 7.04
7.12 7.12 7.12 7.12 7.12 7.12
7.20 7.20 7.20 7.20 7.20 7.20
7.28 7.28 7.28 7.28 7.28 7.28
7.36 7.36 7.36 7.36 7.36 7.36
7.44 7.44 7.44 7.44 7.44 7.44
7.52 7.52 7.52 7.52 7.52 7.52
7.60 7.60 7.60 7.60 7.60 7.60
7.68 7.68 7.68 7.68 7.68 7.68
7.76 7.76 7.76 7.76 7.76 7.76
7.84 7.84 7.84 7.84 7.84 7.84
7.92 7.92 7.92 7.92 7.92 7.92
8.00 8.00 8.00 8.00 8.00 8.00
8.08 8.08 8.08 8.08 8.08 8.08
8.16 8.16 8.16 8.16 8.16 8.16
8.24 8.24 8.24 8.24 8.24 8.24
8.32 8.32 8.32 8.32 8.32 8.32
8.40 8.40 8.40 8.40 8.40 8.40
8.48 8.48 8.48 8.48 8.48 8.48
8.56 8.56 8.56 8.56 8.56 8.56
8.64 8.64 8.64 8.64 8.64 8.64
8.72 8.72 8.72 8.72 8.72 8.72
8.80 8.80 8.80 8.80 8.80 8.80
8.88 8.88 8.88 8.88 8.88 8.88
8.96 8.96 8.96 8.96 8.96 8.96
9.04 9.04 9.04 9.04 9.04 9.04
9.12 9.12 9.12 9.12 9.12 9.12
9.20 9.20 9.20 9.20 9.20 9.20
9.28 9.28 9.28 9.28 9.28 9.28
9.36 9.36 9.36 9.36 9.36 9.36
9.44 9.44 9.44 9.44 9.44 9.44
9.52 9.52 9.52 9.52 9.52 9.52
9.60 9.60 9.60 9.60 9.60 9.60
9.68 9.68 9.68 9.68 9.68 9.68
9.76 9.76 9.76 9.76 9.76 9.76
9.84 9.84 9.84 9.84 9.84 9.84
9.92 9.92 9.92 9.92 9.92 9.92
10.00 10.00 10.00 10.00 10.00 10.00
10.08 10.08 10.08 10.08 10.08 10.08
10.16 10.16 10.16 10.16 10.16 10.16
10.24 10.24 10.24 10.24 10.24 10.24
10.32 10.32 10.32 10.32 10.32 10.32
10.40 10.40 10.40 10.40 10.40 10.40
10.48 10.48 10.48 10.48 10.48 10.48
10.56 10.56 10.56 10.56 10.56 10.56
10.64 10.64 10.64 10.64 10.64 10.64
10.72 10.72 10.72 10.72 10.72 10.72
10.80 10.80 10.80 10.80 10.80 10.80
10.88 10.88 10.88 10.88 10.88 10.88
10.96 10.96 10.96 10.96 10.96 10.96
11.04 11.04 11.04 11.04 11.04 11.04
11.12 11.12 11.12 11.12 11.12 11.12
11.20 11.20 11.20 11.20 11.20 11.20
11.28 11.28 11.28 11.28 11.28 11.28
11.36 11.36 11.36 11.36 11.36 11.36
11.44 11.44 11.44 11.44 11.44 11.44
11.52 11.52 11.52 11.52 11.52 11.52
11.60 11.60 11.60 11.60 11.60 11.60
11.68 11.68 11.68 11.68 11.68 11.68
11.76 11.76 11.76 11.76 11.76 11.76
11.84 11.84 11.84 11.84 11.84 11.84
11.92 11.92 11.92 11.92 11.92 11.92
12.00 12.00 12.00 12.00 12.00 12.00
12.08 12.08 12.08 12.08 12.08 12.08
12.16 12.16 12.16 12.16 12.16 12.16
12.24 12.24 12.24 12.24 12.24 12.24
12.32 12.32 12.32 12.32 12.32 12.32
12.40 12.40 12.40 12.40 12.40 12.40
12.48 12.48 12.48 12.48 12.48 12.48
12.56 12.56 12.56 12.56 12.56 12.56
12.64 12.64 12.64 12.64 12.64 12.64
12.72 12.72 12.72 12.72 12.72 12.72
12.80 12.80 12.80 12.80 12.80 12.80
12.88 12.88 12.88 12.88 12.88 12.88
12.96 12.96 12.96 12.96 12.96 12.96
13.04 13.04 13.04 13.04 13.04 13.04
13.12 13.12 13.12 13.12 13.12 13.12
13.20 13.20 13.20 13.20 13.20 13.20
13.28 13.28 13.28 13.28 13.28 13.28
13.36 13.36 13.36 13.36 13.36 13.36
13.44 13.44 13.44 13.44 13.44 13.44
13.52 13.52 13.52 13.52 13.52 13.52
13.60 13.60 13.60 13.60 13.60 13.60
13.68 13.68 13.68 13.68 13.68 13.68
13.76 13.76 13.76 13.76 13.76 13.76
13.84 13.84 13.84 13.84 13.84 13.84
13.92 13.92 13.92 13.92 13.92 13.92
14.00 14.00 14.00 14.00 14.00 14.00
14.08 14.08 14.08 14.08 14.08 14.08
14.16 14.16 14.16 14.16 14.16 14.16
14.24 14.24 14.24 14.24 14.24 14.24
14.32 14.32 14.32 14.32 14.32 14.32
14.40 14.40 14.40 14.40 14.40 14.40
14.48 14.48 14.48 14.48 14.48 14.48
14.56 14.56 14.56 14.56 14.56 14.56
14.64 14.64 14.64 14.64 14.64 14.64
14.72 14.72 14.72 14.72 14.72 14.72
14.80 14.80 14.80 14.80 14.80 14.80
14.88 14.88 14.88 14.88 14.88 14.88
14.96 14.96 14.96 14.96 14.96 14.96
15.04 15.04 15.04 15.04 15.04 15.04
15.12 15.12 15.12 15.12 15.12 15.12
15.20 15.20 15.20 15.20 15.20 15.20
15.28 15.28 15.28 15.28 15.28 15.28
15.36 15.36 15.36 15.36 15.36 15.36
15.44 15.44 15.44 15.44 15.44 15.44
15.52 15.52 15.52 15.52 15.52 15.52
15.60 15.60 15.60 15.60 15.60 15.60
15.68 15.68 15.68 15.68 15.68 15.68
15.76 15.76 15.76 15.76 15.76 15.76
15.84 15.84 15.84 15.84 15.84 15.84
15.92 15.92 15.92 15.92 15.92 15.92
16.00 16.00 16.00 16.00 16.00 16.00
16.08 16.08 16.08 16.08 16.08 16.08
16.16 16.16 16.16 16.16 16.16 16.16
16.24 16.24 16.24 16.24 16.24 16.24
16.32 16.32 16.32 16.32 16.32 16.32
16.40 16.40 16.40 16.40 16.40 16.40
16.48 16.48 16.48 16.48 16.48 16.48
16.56 16.56 16.56 16.56 16.56 16.56
16.64 16.64 16.64 16.64 16.64 16.64
16.72 16.72 16.72 16.72 16.72 16.72
16.80 16.80 16.80 16.80 16.80 16.80
16.88 16.88 16.88 16.88 16.88 16.88
16.96 16.96 16.96 16.96 16.96 16.96
17.04 17.04 17.04 17.04 17.04 17.04
17.12 17.12 17.12 17.12 17.12 17.12
17.20 17.20 17.20 17.20 17.20 17.20
17.28 17.28 17.28 17.28 17.28 17.28
17.36 17.36 17.36 17.36 17.36 17.36
17.44 17.44 17.44 17.44 17.44 17.44
17.52 17.52 17.52 17.52 17.52 17.52
17.60 17.60 17.60 17.60 17.60 17.60
17.68 17.68 17.68 17.68 17.68 17.68
17.76 17.76 17.76 17.76 17.76 17.76
17.84 17.84 17.84 17.84 17.84 17.84
17.92 17.92 17.92 17.92 17.92 17.92
18.00 18.00 18.00 18.00 18.00 18.00
18.08 18.08 18.08 18.08 18.08 18.08
18.16 18.16 18.16 18.16 18.16 18.16
18.24 18.24 18.24 18.24 18.24 18.24
18.32 18.32 18.32 18.32 18.32 18.32
18.40 18.40 18.40 18.40 18.40 18.40
18.48 18.48 18.48 18.48 18.48 18.48
18.56 18.56 18.56 18.56 18.56 18.56
18.64 18.64 18.64 18.64 18.64 18.64
18.72 18.72 18.72 18.72 18.72 18.72
18.80 18.80 18.80 18.80 18.80 18.80
18.88 18.88 18.88 18.88 18.88 18.88
18.96 18.96 18.96 18.96 18.96 18.96
19.04 19.04 19.04 19.04 19.04 19.04
19.12 19.12 19.12 19.12 19.12 19.12
19.20 19.20 19.20 19.20 19.20 19.20
19.28 19.28 19.28 19.28 19.28 19.28
19.36 19.36 19.36 19.36 19.36 19.36
19.44 19.44 19.44 19.44 19.44 19.44
19.52 19.52 19.52 19.52 19.52 19.52
19.60 19.60 19.60 19.60 19.60 19.60
19.68 19.68 19.68 19.68 19.68 19.68
19.76 19.76 19.76 19.76 19.76 19.76
19.84 19.84 19.84 19.84 19.84 19.84
19.92 19.92 19.92 19.92 19.92 19.92
20.00 20.00 20.00 20.00 20.00 20.00
20.08 20.08 20.08 20.08 20.08 20.08
20.16 20.16 20.16 20.16 20.16 20.16
20.24 20.24 20.24 20.24 20.24 20.24
20.32 20.32 20.32 20.32 20.32 20.32
20.40 20.40 20.40 20.40 20.40 20.40
20.48 20.48 20.48 20.48 20.48 20.48
20.56 20.56 20.56 20.56 20.56 20.56
20.64 20.64 20.64 20.64 20.64 20.64
20.72 20.72 20.72 20.72 20.72 20.72
20.80 20.80 20.80 20.80 20.80 20.80
20.88 20.88 20.88 20.88 20.88 20.88
20.96 20.96 20.96 20.96 20.96 20.96
21.04 21.04 21.04 21.04 21.04 21.04
21.12 21.12 21.12 21.12 21.12 21.12
21.

1.250	1.03	7.390	2.06	13.350	5.07	19.40	1.69	1.33	1.33
1.317	1.03	7.317	2.06	13.367	5.07	19.42	1.69	1.33	1.33
1.384	1.03	7.350	2.06	13.400	5.07	19.44	1.69	1.33	1.33
1.451	1.03	7.383	2.06	13.433	5.07	19.46	1.69	1.33	1.33
1.518	1.03	7.416	2.06	13.466	5.07	19.48	1.69	1.33	1.33
1.585	1.03	7.449	2.06	13.499	5.07	19.50	1.69	1.33	1.33
1.652	1.03	7.482	2.06	13.532	5.07	19.52	1.69	1.33	1.33
1.719	1.03	7.515	2.06	13.565	5.07	19.54	1.69	1.33	1.33
1.786	1.03	7.548	2.06	13.598	5.07	19.56	1.69	1.33	1.33
1.853	1.03	7.581	2.06	13.631	5.07	19.58	1.69	1.33	1.33
1.920	1.03	7.614	2.06	13.664	5.07	19.60	1.69	1.33	1.33
1.987	1.03	7.647	2.06	13.697	5.07	19.62	1.69	1.33	1.33
2.054	1.03	7.680	2.06	13.730	5.07	19.64	1.69	1.33	1.33
2.121	1.03	7.713	2.06	13.763	5.07	19.66	1.69	1.33	1.33
2.188	1.03	7.746	2.06	13.796	5.07	19.68	1.69	1.33	1.33
2.255	1.03	7.779	2.06	13.829	5.07	19.70	1.69	1.33	1.33
2.322	1.03	7.812	2.06	13.862	5.07	19.72	1.69	1.33	1.33
2.389	1.03	7.845	2.06	13.895	5.07	19.74	1.69	1.33	1.33
2.456	1.03	7.878	2.06	13.928	5.07	19.76	1.69	1.33	1.33
2.523	1.03	7.911	2.06	13.961	5.07	19.78	1.69	1.33	1.33
2.590	1.03	7.944	2.06	13.994	5.07	19.80	1.69	1.33	1.33
2.657	1.03	7.977	2.06	14.027	5.07	19.82	1.69	1.33	1.33
2.724	1.03	8.010	2.06	14.060	5.07	19.84	1.69	1.33	1.33
2.791	1.03	8.043	2.06	14.093	5.07	19.86	1.69	1.33	1.33
2.858	1.03	8.076	2.06	14.126	5.07	19.88	1.69	1.33	1.33
2.925	1.03	8.109	2.06	14.159	5.07	19.90	1.69	1.33	1.33
2.992	1.03	8.142	2.06	14.192	5.07	19.92	1.69	1.33	1.33
3.059	1.03	8.175	2.06	14.225	5.07	19.94	1.69	1.33	1.33
3.126	1.03	8.208	2.06	14.258	5.07	19.96	1.69	1.33	1.33
3.193	1.03	8.241	2.06	14.291	5.07	19.98	1.69	1.33	1.33
3.260	1.03	8.274	2.06	14.324	5.07	20.00	1.69	1.33	1.33
3.327	1.03	8.307	2.06	14.357	5.07	20.02	1.69	1.33	1.33
3.394	1.03	8.340	2.06	14.390	5.07	20.04	1.69	1.33	1.33
3.461	1.03	8.373	2.06	14.423	5.07	20.06	1.69	1.33	1.33
3.528	1.03	8.406	2.06	14.456	5.07	20.08	1.69	1.33	1.33
3.595	1.03	8.439	2.06	14.489	5.07	20.10	1.69	1.33	1.33
3.662	1.03	8.472	2.06	14.522	5.07	20.12	1.69	1.33	1.33
3.729	1.03	8.505	2.06	14.555	5.07	20.14	1.69	1.33	1.33
3.796	1.03	8.538	2.06	14.588	5.07	20.16	1.69	1.33	1.33
3.863	1.03	8.571	2.06	14.621	5.07	20.18	1.69	1.33	1.33
3.930	1.03	8.604	2.06	14.654	5.07	20.20	1.69	1.33	1.33
3.997	1.03	8.637	2.06	14.687	5.07	20.22	1.69	1.33	1.33
4.064	1.03	8.670	2.06	14.720	5.07	20.24	1.69	1.33	1.33
4.131	1.03	8.703	2.06	14.753	5.07	20.26	1.69	1.33	1.33
4.198	1.03	8.736	2.06	14.786	5.07	20.28	1.69	1.33	1.33
4.265	1.03	8.769	2.06	14.819	5.07	20.30	1.69	1.33	1.33
4.332	1.03	8.802	2.06	14.852	5.07	20.32	1.69	1.33	1.33
4.399	1.03	8.835	2.06	14.885	5.07	20.34	1.69	1.33	1.33
4.466	1.03	8.868	2.06	14.918	5.07	20.36	1.69	1.33	1.33
4.533	1.03	8.901	2.06	14.951	5.07	20.38	1.69	1.33	1.33
4.600	1.03	8.934	2.06	14.984	5.07	20.40	1.69	1.33	1.33
4.667	1.03	8.967	2.06	15.017	5.07	20.42	1.69	1.33	1.33
4.734	1.03	9.000	2.06	15.050	5.07	20.44	1.69	1.33	1.33
4.801	1.03	9.033	2.06	15.083	5.07	20.46	1.69	1.33	1.33
4.868	1.03	9.066	2.06	15.116	5.07	20.48	1.69	1.33	1.33
4.935	1.03	9.099	2.06	15.149	5.07	20.50	1.69	1.33	1.33
5.002	1.03	9.132	2.06	15.182	5.07	20.52	1.69	1.33	1.33
5.069	1.03	9.165	2.06	15.215	5.07	20.54	1.69	1.33	1.33
5.136	1.03	9.198	2.06	15.248	5.07	20.56	1.69	1.33	1.33
5.203	1.03	9.231	2.06	15.281	5.07	20.58	1.69	1.33	1.33
5.270	1.03	9.264	2.06	15.314	5.07	20.60	1.69	1.33	1.33
5.337	1.03	9.297	2.06	15.347	5.07	20.62	1.69	1.33	1.33
5.404	1.03	9.330	2.06	15.380	5.07	20.64	1.69	1.33	1.33
5.471	1.03	9.363	2.06	15.413	5.07	20.66	1.69	1.33	1.33
5.538	1.03	9.396	2.06	15.446	5.07	20.68	1.69	1.33	1.33
5.605	1.03	9.429	2.06	15.479	5.07	20.70	1.69	1.33	1.33
5.672	1.03	9.462	2.06	15.512	5.07	20.72	1.69	1.33	1.33
5.739	1.03	9.495	2.06	15.545	5.07	20.74	1.69	1.33	1.33
5.806	1.03	9.528	2.06	15.578	5.07	20.76	1.69	1.33	1.33
5.873	1.03	9.561	2.06	15.611	5.07	20.78	1.69	1.33	1.33
5.940	1.03	9.594	2.06	15.644	5.07	20.80	1.69	1.33	1.33
6.007	1.03	9.627	2.06	15.677	5.07	20.82	1.69	1.33	1.33
6.074	1.03	9.660	2.06	15.710	5.07	20.84	1.69	1.33	1.33
6.141	1.03	9.693	2.06	15.743	5.07	20.86	1.69	1.33	1.33
6.208	1.03	9.726	2.06	15.776	5.07	20.88	1.69	1.33	1.33
6.275	1.03	9.759	2.06	15.809	5.07	20.90	1.69	1.33	1.33
6.342	1.03	9.792	2.06	15.842	5.07	20.92	1.69	1.33	1.33
6.409	1.03	9.825	2.06	15.875	5.07	20.94	1.69	1.33	1.33
6.476	1.03	9.858	2.06	15.908	5.07	20.96	1.69	1.33	1.33
6.543	1.03	9.891	2.06	15.941	5.07	20.98	1.69	1.33	1.33
6.610	1.03	9.924	2.06	15.974	5.07	21.00	1.69	1.33	1.33
6.677	1.03	9.957	2.06	16.007	5.07	21.02	1.69	1.33	1.33
6.744	1.03	9.990	2.06	16.040	5.07	21.04	1.69	1.33	1.33
6.811	1.03	10.023	2.06	16.073	5.07	21.06	1.69	1.33	1.33
6.878	1.03	10.056	2.06	16.106	5.07	21.08	1.69	1.33	1.33
6.945	1.03	10.089	2.06	16.139	5.07	21.10	1.69	1.33	1.33
7.012	1.03	10.122	2.06	16.172	5.07	21.12	1.69	1.33	1.33
7.079	1.03	10.155	2.06	16.205	5.07	21.14	1.69	1.33	1.33
7.146	1.03	10.188	2.06	16.238	5.07	21.16	1.69	1.33	1.33
7.213	1.03	10.221	2.06	16.271	5.07	21.18	1.69	1.33	1.33
7.280	1.03	10.254	2.06	16.304	5.07	21.20	1.69	1.33	1.33
7.347	1.03	10.287	2.06	16.337	5.07	21.22	1.69	1.33	1.33
7.414	1.03	10.320	2.06	16.370	5.07	21.24	1.69	1.33	1.33
7.481	1.03	10.353	2.06	16.403	5.07	21.26	1.69	1.33	1.33
7.548	1.03	10.386	2.06	16.436	5.07	21.28	1.69	1.33	1.33
7.615	1.03	10.419	2.06	16.469	5.07	21.30	1.69	1.33	1.33
7.682	1.03	10.452	2.06	16.502	5.07	21.32	1.69	1.33	1.33
7.749	1.03	10.485	2.06	16.535	5.07	21.34	1.69	1.33	1.33
7.816	1.03	10.518	2.06	16.568	5.07	21.36	1.69	1.33	1.33
7.883	1.03	10.551	2.06	16.601	5.07	21.38	1.69	1.33	1.33
7.950	1.03	10.584	2.06	16.634	5.07	21.40	1.69	1.33	1.33
8.017	1.03	10.617	2.06	16.667	5.07	21.42	1.69	1.33	1.33
8.084	1.03	10.650	2.06	16.700	5.07	21.44	1.69	1.33	1.33
8.151	1.03	10.683	2.06	16.733	5.07	21.46	1.69	1.33	1.33
8.218	1.03	10.716	2.06	16.766	5.07	21.48	1.69	1.33	1.33
8.285	1.03	10.749	2.06	16.799	5.07	21.50	1.69	1.33	1.33
8.352	1.03	10.782	2.06	16.832	5.07	21.52	1.69	1.33	1.33
8.419	1.03	10.815	2.06	16.865	5.07	21.54	1.69	1.33	1.33
8.486	1.03	10.848	2.06	16.898	5.07	21.56	1.69	1.33	1.33
8.553	1.03	10.881	2.06	16.931	5.07	21.58	1.69	1.33	1.33
8.620	1.03	10.914	2.06	16.964	5.07	21.60	1.69	1.33	1.33
8.687	1.03	10.947	2.06	16.997	5.07	21.62	1.69	1.33	1.33
8.754	1.03	10.980	2.06	17.030	5.07	21.64	1.69	1.33	1.33
8.821	1.03	11.013	2.06	17.063	5.07	21.66	1.69	1.33	1.33
8.888	1.03	11.046	2.06	17.096	5.07	21.68	1.69	1.33	1.33
8.955	1.03	11.079	2.06	17.129	5.07	21.70	1.69	1.33	1.33
9.022	1.03	11.112	2.06	17.162	5.07	21.72	1.69	1.33	1.33
9.089	1.03	11.145	2.06	17.195	5.07	21.74	1.69	1.33	1.33
9.156	1.03	11.178	2.06	17.228	5.07	21.76	1.69	1.33	1.33
9.223	1.03	11.211	2.06	17.261	5.07	21.78	1.69	1.33	1.33
9.290	1.03	11.244	2.06	17.294	5.07	21.80	1.69	1.33	1.33
9.357	1.03	11.277	2.06	17.327	5.07	21.82	1.69	1.33	1.33
9.424	1.03	11.310	2.06	17.360	5.07	21.84	1.69	1.33	1.33
9.491	1.03	11.343	2.06	17.393	5.07	21.86	1.69	1.33	1.33
9.558	1.03	11.376	2.06						

5.517	1.50	11.567	9.01	17.617	1.69	23.67	1.13
5.533	1.69	11.583	9.01	17.633	1.69	23.68	1.13
5.550	1.50	11.600	9.01	17.650	1.50	23.69	1.13
5.567	1.50	11.617	9.01	17.667	1.69	23.72	1.13
5.583	1.50	11.633	9.01	17.683	1.69	23.73	1.13
5.600	1.50	11.650	9.01	17.700	1.69	23.74	1.13
5.617	1.50	11.667	9.01	17.717	1.69	23.77	1.13
5.633	1.50	11.683	27.76	17.733	1.69	23.78	1.13
5.650	1.50	11.699	27.77	17.750	1.69	23.81	1.13
5.667	1.50	11.717	27.77	17.767	1.69	23.82	1.13
5.683	1.50	11.733	27.77	17.783	1.69	23.83	1.13
5.700	1.50	11.750	27.77	17.800	1.69	23.85	1.13
5.717	1.50	11.767	27.77	17.817	1.69	23.86	1.13
5.733	1.50	11.783	27.77	17.833	1.69	23.88	1.13
5.750	1.50	11.800	27.77	17.850	1.69	23.90	1.13
5.767	1.50	11.817	27.77	17.867	1.69	23.92	1.13
5.783	1.50	11.833	27.77	17.883	1.69	23.93	1.13
5.800	1.50	11.850	27.77	17.900	1.69	23.95	1.13
5.817	1.50	11.867	27.77	17.917	1.69	23.96	1.13
5.833	1.50	11.883	27.77	17.933	1.69	23.98	1.13
5.850	1.50	11.900	27.77	17.950	1.69	24.00	1.13
5.867	1.50	11.917	27.77	17.967	1.69	24.02	1.13
5.883	1.50	11.933	27.77	17.983	1.69	24.03	1.13
5.900	1.50	11.950	27.77	18.000	1.69	24.05	1.13
5.917	1.50	11.967	27.77	18.017	1.69	24.06	1.13
5.933	1.50	11.983	27.77	18.033	1.69	24.08	1.13
5.950	1.50	12.000	27.77	18.050	1.69	24.10	1.13
5.967	1.50	12.017	27.77	18.067	1.69	24.12	1.13
5.983	1.50	12.033	27.77	18.083	1.69	24.13	1.13
5.999	1.50	12.049	27.77	18.099	1.69	24.14	1.13
6.017	1.50	12.067	27.77	18.117	1.69	24.15	1.13
6.033	1.50	12.083	27.77	18.133	1.69	24.17	1.13
6.050	1.50	12.100	27.77	18.150	1.69	24.18	1.13

Area	(ha)	=	20.67	Dir. Conn. (%)	=	37.50
Total Imp (%)	=	75.00				
Surface Area	(ha)	=	15.590	Pervious (i)		
Dep. Storage	(mm)	=	1.00			
Length	(m)	=	40.00			
Manning's n		=	0.013			

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.00	6.007	12.117	114.04	18.17	1.69	1.69

0.033	0.00	6.083	1.50	12.133	114.84	18.18	1.69
0.050	0.00	6.100	1.50	12.150	114.84	18.19	1.69
0.067	0.00	6.117	1.50	12.167	114.84	18.20	1.69
0.083	0.00	6.133	1.50	12.183	114.84	18.21	1.69
0.100	0.00	6.150	1.50	12.200	114.84	18.22	1.69
0.117	0.00	6.167	1.50	12.217	114.84	18.23	1.69
0.133	0.00	6.183	1.50	12.233	114.84	18.24	1.69
0.150	0.00	6.200	1.50	12.250	114.84	18.25	1.69
0.167	0.00	6.217	1.50	12.267	114.84	18.26	1.69
0.183	0.00	6.233	1.50	12.283	114.84	18.27	1.69
0.200	0.00	6.250	1.50	12.300	114.84	18.28	1.69
0.217	0.00	6.267	1.50	12.317	114.84	18.29	1.69
0.233	0.00	6.283	1.50	12.333	114.84	18.30	1.69
0.250	0.00	6.300	1.50	12.350	114.84	18.31	1.69
0.267	0.00	6.317	1.50	12.367	114.84	18.32	1.69
0.283	0.00	6.333	1.50	12.383	114.84	18.33	1.69
0.300	0.00	6.350	1.50	12.400	114.84	18.34	1.69
0.317	0.00	6.367	1.50	12.417	114.84	18.35	1.69
0.333	0.00	6.383	1.50	12.433	114.84	18.36	1.69
0.350	0.00	6.400	1.50	12.450	114.84	18.37	1.69
0.367	0.00	6.417	1.50	12.467	114.84	18.38	1.69
0.383	0.00	6.433	1.50	12.483	114.84	18.39	1.69
0.400	0.00	6.450	1.50	12.500	114.84	18.40	1.69
0.417	0.00	6.467	1.50	12.517	114.84	18.41	1.69
0.433	0.00	6.483	1.50	12.533	114.84	18.42	1.69
0.450	0.00	6.500	1.50	12.550	114.84	18.43	1.69
0.467	0.00	6.517	1.50	12.567	114.84	18.44	1.69
0.483	0.00	6.533	1.50	12.583	114.84	18.45	1.69
0.500	0.00	6.550	1.50	12.600	114.84	18.46	1.69
0.517	0.00	6.567	1.50	12.617	114.84	18.47	1.69
0.533	0.00	6.583	1.50	12.633	114.84	18.48	1.69
0.550	0.00	6.600	1.50	12.650	114.84	18.49	1.69
0.567	0.00	6.617	1.50	12.667	114.84	18.50	1.69
0.583	0.00	6.633	1.50	12.683	114.84	18.51	1.69
0.600	0.00	6.650	1.50	12.700	114.84	18.52	1.69
0.617	0.00	6.667	1.50	12.717	114.84	18.53	1.69
0.633	0.00	6.683	1.50	12.733	114.84	18.54	1.69
0.650	0.00	6.700	1.50	12.750	114.84	18.55	1.69
0.667	0.00	6.717	1.50	12.767	114.84	18.56	1.69
0.683	0.00	6.733	1.50	12.783	114.84	18.57	1.69
0.700	0.00	6.750	1.50	12.800	114.84	18.58	1.69
0.717	0.00	6.767	1.50	12.817	114.84	18.59	1.69
0.733	0.00	6.783	1.50	12.833	114.84	18.60	1.69
0.750	0.00	6.800	1.50	12.850	114.84	18.61	1.69
0.767	0.00	6.817	1.50	12.867	114.84	18.62	1.69
0.783	0.00	6.833	1.50	12.883	114.84	18.63	1.69
0.800	0.00	6.850	1.50	12.900	114.84	18.64	1.69
0.817	0.00	6.867	1.50	12.917	114.84	18.65	1.69
0.833	0.00	6.883	1.50	12.933	114.84	18.66	1.69
0.850	0.00	6.900	1.50	12.950	114.84	18.67	1.69
0.867	0.00	6.917	1.50	12.967	114.84	18.68	1.69
0.883	0.00	6.933	1.50	12.983	114.84	18.69	1.69
0.900	0.00	6.950	1.50	13.000	114.84	18.70	1.69
0.917	0.00	6.967	1.50	13.017	114.84	18.71	1.69
0.933	0.00	6.983	1.50	13.033	114.84	18.72	1.69
0.950	0.00	6.999	1.50	13.050	114.84	18.73	1.69
0.967	0.00	7.017	1.50	13.067	114.84	18.74	1.69
0.983	0.00	7.033	1.50	13.083	114.84	18.75	1.69
1.000	0.00	7.050	1.50	13.100	114.84	18.76	1.69
1.017	0.00	7.067	1.50	13.117	114.84	18.77	1.69
1.033	0.00	7.083	1.50	13.133	114.84	18.78	1.69
1.050	0.00	7.100	1.50	13.150	114.84	18.79	1.69
1.067	0.00	7.117	1.50	13.167	114.84	18.80	1.69
1.083	0.00	7.133	1.50	13.183	114.84	18.81	1.69
1.100	0.00	7.150	1.50	13.200	114.84	18.82	1.69

1.190	1.03	7.150	1.69	13.200	5.07	19.25	1.69
1.117	1.03	7.167	1.69	13.217	5.07	19.27	1.69
1.133	1.03	7.183	1.69	13.233	5.07	19.28	1.69
1.150	1.03	7.200	2.06	13.250	5.07	19.30	1.69
1.167	1.03	7.217	2.06	13.267	5.07	19.32	1.69
1.183	1.03	7.233	2.06	13.283	5.07	19.33	1.69
1.200	1.03	7.250	2.06	13.300	5.07	19.35	1.69
1.217	1.03	7.267	2.06	13.317	5.07	19.37	1.69
1.233	1.03	7.283	2.06	13.333	5.07	19.38	1.69
1.250	1.03	7.300	2.06	13.350	5.07	19.40	1.69
1.267	1.03	7.317	2.06	13.367	5.07	19.42	1.69
1.283	1.03	7.333	2.06	13.383	5.07	19.43	1.69
1.300	1.03	7.350	2.06	13.400	5.07	19.44	1.69
1.317	1.03	7.367	2.06	13.417	5.07	19.47	1.69
1.333	1.03	7.383	2.06	13.433	5.07	19.48	1.69
1.350	1.03	7.400	2.06	13.450	5.07	19.49	1.69
1.367	1.03	7.417	2.06	13.467	5.07	19.52	1.69
1.383	1.03	7.433	2.06	13.483	5.07	19.53	1.69
1.400	1.03	7.450	2.06	13.500	5.07	19.54	1.69
1.417	1.03	7.467	2.06	13.517	5.07	19.57	1.69
1.433	1.03	7.483	2.06	13.533	5.07	19.58	1.69
1.450	1.03	7.500	2.06	13.550	5.07	19.60	1.69
1.467	1.03	7.517	2.06	13.567	5.07	19.62	1.69
1.483	1.03	7.533	2.06	13.583	5.07	19.63	1.69
1.500	1.03	7.550	2.06	13.600	5.07	19.64	1.69
1.517	1.03	7.567	2.06	13.617	5.07	19.67	1.69
1.533	1.03	7.583	2.06	13.633	5.07	19.68	1.69
1.550	1.03	7.600	2.06	13.650	5.07	19.70	1.69
1.567	1.03	7.617	2.06	13.667	5.07	19.72	1.69
1.583	1.03	7.633	2.06	13.683	3.94	19.73	1.69
1.600	1.03	7.650	2.06	13.700	3.94	19.75	1.69
1.617	1.03	7.667	2.06	13.717	3.94	19.76	1.69
1.633	1.03	7.683	2.06	13.733	3.94	19.78	1.69
1.650	1.03	7.700	2.06	13.750	3.94	19.80	1.69
1.667	1.03	7.717	2.06	13.767	3.94	19.81	1.69
1.683	1.03	7.733	2.06	13.783	3.94	19.83	1.69
1.700	1.03	7.750	2.06	13.800	3.94	19.85	1.69
1.717	1.03	7.767	2.06	13.817	3.94	19.88	1.69
1.733	1.03	7.783	2.06	13.833	3.94	19.89	1.69
1.750	1.03	7.800	2.06	13.850	3.94	19.90	1.69
1.767	1.03	7.817	2.06	13.867	3.94	19.92	1.69
1.783	1.03	7.833	2.06	13.883	3.94	19.93	1.69
1.800	1.03	7.850	2.06	13.900	3.94	19.95	1.69
1.817	1.03						
1.833	1.03	7.883	2.06	13.933	3.94	19.98	1.69
1.850	1.03	7.900	2.06	13.950	3.94	20.00	1.69
1.867	1.03	7.917	2.06	13.967	3.94	20.01	1.69
1.883	1.03	7.933	2.06	13.983	3.94	20.03	1.69
1.900	1.03	7.950	2.06	14.000	3.94	20.05	1.69
1.917	1.03	7.967	2.06	14.017	3.94	20.06	1.69
1.933	1.03	7.983	2.06	14.033	3.94	20.08	1.69
1.950	1.03	8.000	2.06	14.050	3.94	20.10	1.69
1.967	1.03	8.017	2.06	14.067	3.94	20.13	1.69
1.983	1.03	8.033	2.06	14.083	3.94	20.15	1.69
2.000	1.03	8.050	2.06	14.100	3.94	20.15	1.69
2.017	1.03	8.067	2.06	14.117	3.94	20.16	1.69
2.033	1.03	8.083	2.06	14.133	3.94	20.18	1.69
2.050	1.03	8.100	2.06	14.150	3.94	20.20	1.69
2.067	1.03	8.117	2.06	14.167	3.94	20.22	1.69
2.083	1.03	8.133	2.06	14.183	3.94	20.23	1.69
2.100	1.03	8.150	2.06	14.200	2.81	20.25	1.13
2.117	1.03	8.167	2.06	14.217	2.81	20.27	1.13
2.133	1.03	8.183	2.06	14.233	2.81	20.28	1.13
2.150	1.03	8.200	2.06	14.250	2.81	20.30	1.13

3.233	1.22	9.283	3.00	15.333	2.61	21.38	1.13
3.259	1.22	9.309	3.00	15.359	2.61	21.40	1.13
3.285	1.22	9.335	3.00	15.385	2.61	21.42	1.13
3.309	1.22	9.359	3.00	15.409	2.61	21.45	1.13
3.333	1.22	9.383	3.00	15.433	2.61	21.48	1.13
3.359	1.22	9.409	3.00	15.459	2.61	21.50	1.13
3.383	1.22	9.433	3.00	15.483	2.61	21.53	1.13
3.409	1.22	9.459	3.00	15.509	2.61	21.55	1.13
3.437	1.22	9.487	3.00	15.537	2.61	21.57	1.13
3.461	1.22	9.509	3.00	15.559	2.61	21.60	1.13
3.489	1.22	9.537	3.00	15.587	2.61	21.62	1.13
3.517	1.22	9.567	3.00	15.617	2.61	21.67	1.13
3.546	1.22	9.596	3.00	15.646	2.61	21.69	1.13
3.569	1.22	9.609	3.00	15.659	2.61	21.70	1.13
3.597	1.22	9.617	3.00	15.667	2.61	21.72	1.13
3.621	1.22	9.641	3.00	15.691	2.61	21.75	1.13
3.647	1.22	9.667	3.00	15.717	2.61	21.77	1.13
3.669	1.22	9.700	3.00	15.753	2.61	21.80	1.13
3.697	1.22	9.717	3.00	15.767	2.61	21.82	1.13
3.723	1.22	9.733	3.00	15.783	2.61	21.83	1.13
3.747	1.22	9.767	3.00	15.817	2.61	21.87	1.13
3.771	1.22	9.783	3.00	15.833	2.61	21.88	1.13
3.793	1.22	9.817	3.00	15.867	2.61	21.92	1.13
3.817	1.22	9.833	3.00	15.883	2.61	21.93	1.13
3.847	1.22	9.867	3.00	15.917	2.61	21.97	1.13
3.869	1.22	9.917	3.00	15.959	2.61	22.02	1.13
3.883	1.22	9.933	3.00	15.983	2.61	22.03	1.13
3.907	1.22	9.967	3.00	16.017	2.61	22.07	1.13
3.933	1.22	9.983	3.00	16.033	2.61	22.08	1.13
3.959	1.22	10.009	3.00	16.059	2.61	22.12	1.13
3.983	1.22	10.033	3.00	16.083	2.61	22.13	1.13
4.009	1.22	10.069	3.00	16.109	2.61	22.15	1.13
4.033	1.22	10.083	3.00	16.133	2.61	22.18	1.13
4.069	1.22	10.109	3.00	16.159	2.61	22.20	1.13
4.093	1.22	10.133	3.00	16.183	1.69	22.23	1.13
4.117	1.22	10.159	3.00	16.209	1.69	22.25	1.13
4.143	1.22	10.183	3.00	16.233	1.69	22.26	1.13
4.169	1.22	10.209	3.00	16.259	1.69	22.30	1.13
4.193	1.50	10.233	4.32	16.283	1.69	22.33	1.13
4.209	1.50	10.249	4.32	16.309	1.69	22.35	1.13
4.233	1.50	10.263	4.32	16.333	1.69	22.38	1.13
4.259	1.50	10.309	4.32	16.359	1.69	22.40	1.13
4.283	1.50	10.333	4.32	16.383	1.69	22.42	1.13
4.293	1.50	10.359	4.32	16.393	1.69	22.45	1.13

177

4.309	1.50	10.359	4.32	16.409	1.69	22.45	1.13
4.317	1.50	10.367	4.32	16.417	1.69	22.47	1.13
4.333	1.50	10.383	4.32	16.433	1.69	22.49	1.13
4.359	1.50	10.409	4.32	16.459	1.69	22.50	1.13
4.383	1.50	10.433	4.32	16.483	1.69	22.52	1.13
4.409	1.50	10.459	4.32	16.509	1.69	22.55	1.13
4.417	1.50	10.467	4.32	16.517	1.69	22.57	1.13
4.433	1.50	10.483	4.32	16.533	1.69	22.58	1.13
4.459	1.50	10.509	4.32	16.559	1.69	22.60	1.13
4.483	1.50	10.533	4.32	16.583	1.69	22.63	1.13
4.509	1.50	10.559	4.32	16.609	1.69	22.65	1.13
4.517	1.50	10.567	4.32	16.617	1.69	22.67	1.13
4.533	1.50	10.583	4.32	16.633	1.69	22.68	1.13
4.559	1.50	10.617	4.32	16.657	1.69	22.72	1.13
4.583	1.50	10.633	4.32	16.683	1.69	22.73	1.13
4.597	1.50	10.667	4.32	16.717	1.69	22.77	1.13
4.617	1.50	10.683	4.32	16.733	1.69	22.78	1.13
4.633	1.50	10.683	5.82	16.733	1.69	22.78	1.13
4.667	1.50	10.719	5.82	16.767	1.69	22.82	1.13
4.683	1.50	10.733	5.82	16.783	1.69	22.83	1.13
4.709	1.50	10.759	5.82	16.809	1.69	22.87	1.13
4.717	1.50	10.769	5.82	16.817	1.69	22.89	1.13
4.733	1.50	10.783	5.82	16.833	1.69	22.88	1.13
4.769	1.50	10.809	5.82	16.859	1.69	22.90	1.13
4.783	1.50	10.833	5.82	16.883	1.69	22.95	1.13
4.809	1.50	10.859	5.82	16.909	1.69	22.95	1.13
4.833	1.50	10.883	5.82	16.933	1.69	22.98	1.13
4.859	1.50	10.909	5.82	16.959	1.69	23.00	1.13
4.883	1.50	10.933	5.82	16.983	1.69	23.03	1.13
4.909	1.50	10.959	5.82	17.009	1.69	23.05	1.13
4.933	1.50	10.983	5.82	17.033	1.69	23.06	1.13
4.959	1.50	11.009	5.82	17.059	1.69	23.10	1.13
4.983	1.50	11.033	5.82	17.083	1.69	23.13	1.13
5.009	1.50	11.059	5.82	17.109	1.69	23.15	1.13
5.017	1.50	11.067	5.82	17.117	1.69	23.16	1.13
5.033	1.50	11.083	5.82	17.133	1.69	23.17	1.13
5.059	1.50	11.109	5.82	17.159	1.69	23.20	1.13
5.067	1.50	11.117	5.82	17.167	1.69	23.22	1.13
5.083	1.50	11.159	5.82	17.203	1.69	23.25	1.13
5.109	1.50	11.183	5.82	17.233	1.69	23.27	1.13
5.117	1.50	11.167	5.82	17.217	1.69	23.27	1.13
5.133	1.50	11.209	5.82	17.253	1.69	23.30	1.13
5.159	1.50	11.233	5.82	17.283	1.69	23.32	1.13
5.167	1.50	11.217	5.82	17.267	1.69	23.32	1.13
5.183	1.50	11.259	5.82	17.303	1.69	23.35	1.13
5.217	1.50	11.267	5.82	17.317	1.69	23.37	1.13
5.233	1.50	11.283	5.82	17.333	1.69	23.40	1.13
5.259	1.50	11.309	5.82	17.359	1.69	23.40	1.13
5.267	1.50	11.317	5.82	17.367	1.69	23.42	1.13
5.283	1.50	11.353	5.82	17.403	1.69	23.45	1.13
5.293	1.50	11.363	5.82	17.413	1.69	23.47	1.13
5.317	1.50	11.367	5.82	17.417	1.69	23.47	1.13
5.333	1.50	11.383	5.82	17.433	1.69	23.48	1.13
5.359	1.50	11.409	5.82	17.459	1.69	23.50	1.13

178

CALIB		STANDARD (± 0.20%)		Area	(ha) = 1.53	Total Imp (%) = 99.00		Dir. Com. (%) = 1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01		1.01		1.01		1.01		1.00
1.01								

[illegible][illegible]

767	7.817	7.833	7.849	7.865	7.881	7.897	7.913	7.929	7.945	7.961	7.977	7.993	8.009	8.025	8.041	8.057	8.073	8.089	8.105	8.121	8.137	8.153	8.169	8.185	8.201	8.217	8.233	8.249	8.265	8.281	8.297	8.313	8.329	8.345	8.361	8.377	8.393	8.409	8.425	8.441	8.457	8.473	8.489	8.505	8.521	8.537	8.553	8.569	8.585	8.601	8.617	8.633	8.649	8.665	8.681	8.697	8.713	8.729	8.745	8.761	8.777	8.793	8.809	8.825	8.841	8.857	8.873	8.889	8.905	8.921	8.937	8.953	8.969	8.985	9.001	9.017	9.033	9.049	9.065	9.081	9.097	9.113	9.129	9.145	9.161	9.177	9.193	9.209	9.225	9.241	9.257	9.273	9.289	9.305	9.321	9.337	9.353	9.369	9.385	9.401	9.417	9.433	9.449	9.465	9.481	9.497	9.513	9.529	9.545	9.561	9.577	9.593	9.609	9.625	9.641	9.657	9.673	9.689	9.705	9.721	9.737	9.753	9.769	9.785	9.801	9.817	9.833	9.849	9.865	9.881	9.897	9.913	9.929	9.945	9.961	9.977	9.993	10.009	10.025	10.041	10.057	10.073	10.089	10.105	10.121	10.137	10.153	10.169	10.185	10.201	10.217	10.233	10.249	10.265	10.281	10.297	10.313	10.329	10.345	10.361	10.377	10.393	10.409	10.425	10.441	10.457	10.473	10.489	10.505	10.521	10.537	10.553	10.569	10.585	10.601	10.617	10.633	10.649	10.665	10.681	10.697	10.713	10.729	10.745	10.761	10.777	10.793	10.809	10.825	10.841	10.857	10.873	10.889	10.905	10.921	10.937	10.953	10.969	10.985	10.001	10.017	10.033	10.049	10.065	10.081	10.097	10.113	10.129	10.145	10.161	10.177	10.193	10.209	10.225	10.241	10.257	10.273	10.289	10.305	10.321	10.337	10.353	10.369	10.385	10.401	10.417	10.433	10.449	10.465	10.481	10.497	10.513	10.529	10.545	10.561	10.577	10.593	10.609	10.625	10.641	10.657	10.673	10.689	10.705	10.721	10.737	10.753	10.769	10.785	10.801	10.817	10.833	10.849	10.865	10.881	10.897	10.913	10.929	10.945	10.961	10.977	10.993	10.009	10.025	10.041	10.057	10.073	10.089	10.105	10.121	10.137	10.153	10.169	10.185	10.201	10.217	10.233	10.249	10.265	10.281	10.297	10.313	10.329	10.345	10.361	10.377	10.393	10.409	10.425	10.441	10.457	10.473	10.489	10.505	10.521	10.537	10.553	10.569	10.585	10.601	10.617	10.633	10.649	10.665	10.681	10.697	10.713	10.729	10.745	10.761	10.777	10.793	10.809	10.825	10.841	10.857	10.873	10.889	10.905	10.921	10.937	10.953	10.969	10.985	10.001	10.017	10.033	10.049	10.065	10.081	10.097	10.113	10.129	10.145	10.161	10.177	10.193	10.209	10.225	10.241	10.257	10.273	10.289	10.305	10.321	10.337	10.353	10.369	10.385	10.401	10.417	10.433	10.449	10.465	10.481	10.497	10.513	10.529	10.545	10.561	10.577	10.593	10.609	10.625	10.641	10.657	10.673	10.689	10.705	10.721	10.737	10.753	10.769	10.785	10.801	10.817	10.833	10.849	10.865	10.881	10.897	10.913	10.929	10.945	10.961	10.977	10.993	10.009	10.025	10.041	10.057	10.073	10.089	10.105	10.121	10.137	10.153	10.169	10.185	10.201	10.217	10.233	10.249	10.265	10.281	10.297	10.313	10.329	10.345	10.361	10.377	10.393	10.409	10.425	10.441	10.457	10.473	10.489	10.505	10.521	10.537	10.553	10.569	10.585	10.601	10.617	10.633	10.649	10.665	10.681	10.697	10.713	10.729	10.745	10.761	10.777	10.793	10.809	10.825	10.841	10.857	10.873	10.889	10.905	10.921	10.937	10.953	10.969	10.985	10.001	10.017	10.033	10.049	10.065	10.081	10.097	10.113	10.129	10.145	10.161	10.177	10.193	10.209	10.225	10.241	10.257	10.273	10.289	10.305	10.321	10.337	10.353	10.369	10.385	10.401	10.417	10.433	10.449	10.465	10.481	10.497	10.513	10.529	10.545	10.561	10.577	10.593	10.609	10.625	10.641	10.657	10.673	10.689	10.705	10.721	10.737	10.753	10.769	10.785	10.801	10.817	10.833	10.849	10.865	10.881	10.897	10.913	10.929	10.945	10.961	10.977	10.993	10.009	10.025	10.041	10.057	10.073	10.089	10.105	10.121	10.137	10.153	10.169	10.185	10.201	10.217	10.233	10.249	10.265	10.281	10.297	10.313	10.329	10.345	10.361	10.377	10.393	10.409	10.425	10.441	10.457	10.473	10.489	10.505	10.521	10.537	10.553	10.569	10.585	10.601	10.617	10.633	10.649	10.665	10.681	10.697	10.713	10.729	10.745	10.761	10.777	10.793	10.809	10.825	10.841	10.857	10.873	10.889	10.905	10.921	10.937	10.953	10.969	10.985	10.001	10.017	10.033	10.049	10.065	10.081	10.097	10.113	10.129	10.145	10.161	10.177	10.193	10.209	10.225	10.241	10.257	10.273	10.289	10.305	10.321	10.337	10.353	10.369	10.385	10.401	10.417	10.433	10.449	10.465	10.481	10.497	10.513	10.529	10.545	10.561	10.577	10.593	10.609	10.625	10.641	10.657	10.673	10.689	10.705	10.721	10.737	10.753	10.769	10.785	10.801	10.817	10.833	10.849	10.865	10.881	10.897	10.913	10.929	10.945	10.961	10.977	10.993	10.009	10.025	10.041	10.057	10.073	10.089	10.105	10.121	10.137	10.153	10.169	10.185	10.201	10.217	10.233	10.249	10.265	10.281	10.297	10.313	10.329	10.345	10.361	10.377	10.393	10.409	10.425	10.441	10.457	10.473	10.489	10.505	10.521	10.537	10.553	10.569	10.585	10.601	10.617	10.633	10.649	10.665	10.681	10.697	10.713	10.729	10.745	10.761	10.777	10.793	10.809	10.825	10.841	10.857	10.873	10.889	10.905	10.921	10.937	10.953	10.969	10.985	10.001	10.017	10.033	10.049	10.065	10.081	10.097	10.113	10.129	10.145	10.161	10.177	10.193	10.209	10.225	10.241	10.257	10.273	10.289	10.305	10.321	10.337	10.353	10.369	10.385	10.401	10.417	10.433	10.449	10.465	10.481	10.497	10.513	10.529	10.545	10.561	10.577	10.593	10.609	10.625	10.641	10.657	10.673	10.689	10.705	10.721	10.737	10.753	10.769	10.785	10.801	10.817	10.833	10.849	10.865	10.881	10.897	10.913	10.929	10.945	10.961	10.977	10.993	10.009	10.025	10.041	10.057	10.073	10.089	10.105	10.121	10.137	10.153	10.169	10.185	10.201	10.217	10.233	10.249	10.265	10.281	10.297	10.313	10.329	10.345	10.361	10.377	10.393	10.409	10.425	10.441	10.457	10.473	10.489	10.505	10.521	10.537	10.553	10.569	10.585	10.601	10.617	10.633	10.649	10.665	10.681	10.697	10.713	10.729	10.745	10.761	10.777	10.793	10.809	10.825	10.841	10.857	10.873	10.889	10.905	10.921	10.937	10.953	10.969	10.985	10.001	10.017	10.033	10.049	10.065	10.081	10.097	10.113	10.129	10.145	10.161	10.177	10.193	10.209	10.225	10.241	10.257	10.273	10.289	10.305	10.321	10.337	10.353	10.369	10.385	10.401	10.417	10.433	10.449	10.465	10.481	10.497	10.513	10.529	10.545	10.561	10.577	10.593	10.609	10.625	10.641	10.657	10.673	10.689	10.705	10.721	10.737	10.753	10.769	10.785	10.801	10.817	10.833	10.849	10.865	10.881	10.897	10.913	10.929	10.945	10.961	10.977	10.993	10.009	10.025	10.041	10.057	10.073	10.089	10.105	10.121	10.137	10.153	10.169	10.185	10.201	10.217	10.233	10.249	10.265	10.281	10.297	10.313	10.329	10.345	10.361	10.377	10.393	10.409	10.425	10.441	10.457	10.473	10.489	10.505	10.521	10.537	10.553	10.569	10.585	10.601	10.617	10.633	10.649	10.665	10.681	10.697	10.713	10.729	10.745	10.761	10.777	10.793	10.809	10.825	10.841	10.857	10.873	10.889	10.905	10.921	10.937	10.953	10.969	10.985	10.001	10.017	10.033	10.049	10.065	10.081	10.097	10.113	10.129	10.145	10.161	10.177	10.193	10.209	10.225	10.241	10.257	10.273	10.289	10.305	10.321	10.337	10.353	10.369	10.385	10.401	10.417	10.433	10.449	10.465	10.481	10.497	10.513	10.529	10.545	10.561	10.577	10.593	10.609	10.625	10.641	10.657	10.673	10.689	10.705	10.721	10.737	10.753	10.769	10.785	10.801	10.817	10.833	10.849	10.865	10.881	10.897	10.913	10.929	10.945	10.961	10.977	10.993	10.009	10.025	10.041	10.057	10.073	10.089	10.105	10.121	10.137	10.153	10.169	10.185	10.201	10.217	10.233	10.249	10.265	10.281	10.297	10.313	10.329	10.345	10.361	10.377	10.393	10.409	10.425	10.441	10.457	10.473	10.489	10.505	10.521	10.537	10.553	10.569	10.585	10.601	10.617	10.633	10.649	10.665	10.681	10.697	10.713	10.729	10.745	10.761	10.777	10.793	10.809	10.825	10.841	10.857	10.873	10.889	10.905	10.921	10.937	10.953	10.969	10.985	10.001	10.017	10.033	10.049	10.065	10.081	10.097	10.113	10.129	10.145	10.161	10.177	10.193	10.209	10.225	10.241	10.257	10.273	10.289	10.305	10.321	10.337	10.353	10.369	10.385	10.401	10.417	10.433	10.449	10.465	10.481	10.497	10.513	10.529	10.545	10.561	10.577	10.593	10.609	10.625	10.641	10.657	10.673	10.689	10.705	10.721	10.737	10.753	10.769	10.785	10.801	10.817	10.833	10.849	10.865	10.881	10.897	10.913	10.929	10.945	10.961	10.977	10.993	
-----	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--

34[illegible]34

6.033 1.50 12.083 114.84 18.133 1.69 1.69 1.69
6.059 1.50 12.100 114.84 18.150 1.69 1.69 1.69
Max Eff. Inten. (mm/hr) = 114.84 164.79
Storage Coef. over (min) = 5.00 5.00
Unit Hyd. Peak (in) = 5.00 (11)
Unit Hyd. Peak (cms) = 0.45 0.24
TOTALS
PEAK FLOW (cms) = 0.01 0.02
TIME TO PEAK (hrs) = 12.17 12.17
RUNOFF VOLUME (mm) = 92.82 65.82
RUNOFF VOLUME (in) = 3.69 2.60
RUNOFF COEFFICIENT = 0.98 0.65

(1) CN PROCEDURE SELECTED FOR PREVIOUS LOSSES:
CN₂ = 86.0 S_{max} = Dep. Storage (Above)
(11) THAT THE STORAGE COEFFICIENT, LER OR EQUAL
(111) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

SWAMPYD (8203)
ID= 1 DT= 1.0 min
Area (ha) = 0.10 DIF. Cont. (%) = 30.00
Total Imp (%) = 60.00
Surface Area (ha) = 0.06 IMPERVIOUS
Dep. Storage (mm) = 1.00 PREVIOUS (1)
Length (m) = 5.00
Manning's n = 70.00 0.60
0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

TIME				--- TRANSFORMED HYETOGRAPH ---				TIME			
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr	mm/hr
0.017	0.00	6.017	1.50	12.117	114.84	18.17	1.69	1.69	1.69	1.69	1.69
0.033	0.00	6.033	1.50	12.133	114.84	18.18	1.69	1.69	1.69	1.69	1.69
0.050	0.00	6.050	1.50	12.150	114.84	18.20	1.69	1.69	1.69	1.69	1.69
0.066	0.00	6.066	1.50	12.166	114.84	18.21	1.69	1.69	1.69	1.69	1.69
0.083	0.00	6.083	1.50	12.183	114.84	18.22	1.69	1.69	1.69	1.69	1.69
0.100	0.00	6.100	1.50	12.200	114.84	18.23	1.69	1.69	1.69	1.69	1.69
0.116	0.00	6.116	1.50	12.216	114.84	18.24	1.69	1.69	1.69	1.69	1.69
0.133	0.00	6.133	1.50	12.233	114.84	18.25	1.69	1.69	1.69	1.69	1.69
0.150	0.00	6.150	1.50	12.250	114.84	18.26	1.69	1.69	1.69	1.69	1.69
0.166	0.00	6.166	1.50	12.266	114.84	18.27	1.69	1.69	1.69	1.69	1.69
0.183	0.00	6.183	1.50	12.283	114.84	18.28	1.69	1.69	1.69	1.69	1.69
0.200	0.00	6.200	1.50	12.300	114.84	18.29	1.69	1.69	1.69	1.69	1.69
0.216	0.00	6.216	1.50	12.316	114.84	18.30	1.69	1.69	1.69	1.69	1.69
0.233	0.00	6.233	1.50	12.333	114.84	18.31	1.69	1.69	1.69	1.69	1.69
0.250	0.00	6.250	1.50	12.350	114.84	18.32	1.69	1.69	1.69	1.69	1.69
0.266	0.00	6.266	1.50	12.366	114.84	18.33	1.69	1.69	1.69	1.69	1.69
0.283	0.00	6.283	1.50	12.383	114.84	18.34	1.69	1.69	1.69	1.69	1.69
0.300	0.00	6.300	1.50	12.400	114.84	18.35	1.69	1.69	1.69	1.69	1.69
0.316	0.00	6.316	1.50	12.416	114.84	18.36	1.69	1.69	1.69	1.69	1.69
0.333	0.00	6.333	1.50	12.433	114.84	18.37	1.69	1.69	1.69	1.69	1.69
0.350	0.00	6.350	1.50	12.450	114.84	18.38	1.69	1.69	1.69	1.69	1.69
0.366	0.00	6.366	1.50	12.466	114.84	18.39	1.69	1.69	1.69	1.69	1.69
0.383	0.00	6.383	1.50	12.483	114.84	18.40	1.69	1.69	1.69	1.69	1.69
0.400	0.00	6.400	1.50	12.500	114.84	18.41	1.69	1.69	1.69	1.69	1.69
0.416	0.00	6.416	1.50	12.516	114.84	18.42	1.69	1.69	1.69	1.69	1.69
0.433	0.00	6.433	1.50	12.533	114.84	18.43	1.69	1.69	1.69	1.69	1.69
0.450	0.00	6.450	1.50	12.550	114.84	18.44	1.69	1.69	1.69	1.69	1.69
0.466	0.00	6.466	1.50	12.566	114.84	18.45	1.69	1.69	1.69	1.69	1.69
0.483	0.00	6.483	1.50	12.583	114.84	18.46	1.69	1.69	1.69	1.69	1.69
0.500	0.00	6.500	1.50	12.600	114.84	18.47	1.69	1.69	1.69	1.69	1.69
0.516	0.00	6.516	1.50	12.616	114.84	18.48	1.69	1.69	1.69	1.69	1.69
0.533	0.00	6.533	1.50	12.633	114.84	18.49	1.69	1.69	1.69	1.69	1.69
0.550	0.00	6.550	1.50	12.650	114.84	18.50	1.69	1.69	1.69	1.69	1.69
0.566	0.00	6.566	1.50	12.666	114.84	18.51	1.69	1.69	1.69	1.69	1.69
0.583	0.00	6.583	1.50	12.683	114.84	18.52	1.69	1.69	1.69	1.69	1.69
0.600	0.00	6.600	1.50	12.700	114.84	18.53	1.69	1.69	1.69	1.69	1.69
0.616	0.00	6.616	1.50	12.716	114.84	18.54	1.69	1.69	1.69	1.69	1.69
0.633	0.00	6.633	1.50	12.733	114.84	18.55	1.69	1.69	1.69	1.69	1.69
0.650	0.00	6.650	1.50	12.750	114.84	18.56	1.69	1.69	1.69	1.69	1.69
0.666	0.00	6.666	1.50	12.766	114.84	18.57	1.69	1.69	1.69	1.69	1.69
0.683	0.00	6.683	1.50	12.783	114.84	18.58	1.69	1.69	1.69	1.69	1.69
0.700	0.00	6.700	1.50	12.800	114.84	18.59	1.69	1.69	1.69	1.69	1.69
0.716	0.00	6.716	1.50	12.816	114.84	18.60	1.69	1.69	1.69	1.69	1.69
0.733	0.00	6.733	1.50	12.833	114.84	18.61	1.69	1.69	1.69	1.69	1.69
0.750	0.00	6.750	1.50	12.850	114.84	18.62	1.69	1.69	1.69	1.69	1.69
0.766	0.00	6.766	1.50	12.866	114.84	18.63	1.69	1.69	1.69	1.69	1.69
0.783	0.00	6.783	1.50	12.883	114.84	18.64	1.69	1.69	1.69	1.69	1.69
0.800	0.00	6.800	1.50	12.900	114.84	18.65	1.69	1.69	1.69	1.69	1.69
0.816	0.00	6.816	1.50	12.916	114.84	18.66	1.69	1.69	1.69	1.69	1.69
0.833	0.00	6.833	1.50	12.933	114.84	18.67	1.69	1.69	1.69	1.69	1.69
0.850	0.00	6.850	1.50	12.950	114.84	18.68	1.69	1.69	1.69	1.69	1.69
0.866	0.00	6.866	1.50	12.966	114.84	18.69	1.69	1.69	1.69	1.69	1.69
0.883	0.00	6.883	1.50	12.983	114.84	18.70	1.69	1.69	1.69	1.69	1.69
0.900	0.00	6.900	1.50	13.000	114.84	18.71	1.69	1.69	1.69	1.69	1.69
0.916	0.00	6.916	1.50	13.016	114.84	18.72	1.69	1.69	1.69	1.69	1.69
0.933	0.00	6.933	1.50	13.033	114.84	18.73	1.69	1.69	1.69	1.69	1.69
0.950	0.00	6.950	1.50	13.050	114.84	18.74	1.69	1.69	1.69	1.69	1.69
0.966	0.00	6.966	1.50	13.066	114.84	18.75	1.69	1.69	1.69	1.69	1.69
0.983	0.00	6.983	1.50	13.083	114.84	18.76	1.69	1.69	1.69	1.69	1.69
1.000	0.00	7.000	1.50	13.100	114.84	18.77	1.69	1.69	1.69	1.69	1.69
1.016	0.00	7.016	1.50	13.116	114.84	18.78	1.69	1.69	1.69	1.69	1.69
1.033	0.00	7.033	1.50	13.133	114.84	18.79	1.69	1.69	1.69	1.69	1.69
1.050	0.00	7.050	1.50	13.150	114.84	18.80	1.69	1.69	1.69	1.69	1.69
1.066	0.00	7.066	1.50	13.166	114.84	18.81	1.69	1.69	1.69	1.69	1.69
1.083	0.00	7.083	1.50	13.183	114.84	18.82	1.69	1.69	1.69	1.69	1.69
1.100	0.00	7.100	1.50	13.200	114.84	18.83	1.69	1.69	1.69	1.69	1.69
1.116	0.00	7.116	1.50	13.216	114.84	18.84	1.69	1.69	1.69	1.69	1.69
1.133	0.00	7.133	1.50	13.233	114.84	18.85	1.69	1.69	1.69	1.69	1.69
1.150	0.00	7.150	1.50	13.250	114.84	18.86	1.69	1.69	1.69	1.69	1.69
1.166	0.00	7.166	1.50	13.266	114.84	18.87	1.69	1.69	1.69	1.69	1.69
1.183	0.00	7.183	1.50	13.283	114.84	18.88	1.69	1.69	1.69	1.69	1.69
1.200	0.00	7.200	1.50	13.300	114.84	18.89	1.69	1.69	1.69	1.69	1.69
1.216	0.00	7.216	1.50	13.316	114.84	18.90	1.69	1.69	1.69	1.69	1.69
1.233	0.00	7.233	1.50	13.333	114.84	18.91	1.69	1.69	1.69	1.69	1.69
1.250	0.00	7.250	1.50	13.350	114.84	18.92	1.69	1.69	1.69	1.69	1.69
1.266	0.00	7.266	1.50	13.366	114.84	18.93	1.69	1.69	1.69	1.69	1.69
1.283	0.00	7.283	1.50	13.383	114.84	18.94	1.69	1.69	1.69	1.69	1.69
1.300	0.00	7.300	1.50	13.400	114.84	18.95	1.69	1.69	1.69	1.69	1.69
1.316	0.00	7.316	1.50	13.416	114.84	18.96	1.69	1.69	1.69	1.69	1.69
1.333	0.00	7.333	1.50	13.433	114.84	18.97	1.69	1.69	1.69	1.69	1.69
1.350	0.00	7.350	1.50	13.450	114.84	18.98	1.69	1.69	1.69	1.69	1.69
1.366	0.00	7.366	1.50	13.466	114.84	18.99	1.69	1.69	1.69	1.69	1.69
1.383	0.00	7.383	1.50	13.483	114.84	19.00	1.69	1.69	1.69	1.69	1.69
1.400	0.00	7.400	1.50	13.500	114.84	19.01	1.69	1.69	1.69	1.69	1.69
1.416	0.00	7.416	1.50	13.516	114.84	19.02	1.69	1.69	1.69	1.69	1.69
1.433	0.00	7.433	1.50	13.533	114.84	19.03	1.69	1.69	1.69	1.69	1.69
1.450	0.00	7.450	1.50	13.550	114.84	19.04	1.69	1.69	1.69	1.69	1.69
1.466	0.00	7.466	1.50	13.566	114.84	19.05	1.69	1.69	1.69	1.69	1.69
1.483	0.00	7.483	1.50	13.583	114.84	19.06	1.69	1.69	1.69	1.69	1.69
1.500	0.00	7.500	1.50	13.600	114.84	19.07	1.69	1.69	1.69	1.69	1.69
1.516	0.00	7.516	1.50	13.616	114.84	19.08	1.69	1.69	1.69	1.69	1.69
1.533	0.00	7.533	1.50	13.633	114.84	19.09	1.69	1.69	1.69	1.69	1.69
1.550	0.00	7.550	1.50	13.650	114.84	19.10	1.69	1.69	1.69	1.69	1.69
1.566	0.00	7.566	1.50	13.666	114.84	19.11	1.69	1.69	1.69	1.69	1.69
1.583	0.00	7.583	1.50	13.683	114.84	19.12	1.69	1.69	1.69	1.69	1.69
1.600	0.00	7.600	1.50	13.700	114.84	19.13	1.69	1.69	1.69	1.69	1.69
1.616	0.00	7.616	1.50	13.716	114.84	19.14	1.69	1.69	1.69	1.69	1.69
1.633	0.00	7.633	1.50	13.733	114.84	19.15	1.69	1.69	1.69	1.69	1.69
1.650	0.00	7.650	1.50	13.750	114.84	19.16	1.69	1.69	1.69	1.69	1.69
1.666	0.00	7.666	1.50	13.766	114.84	19.17	1.69	1.69	1.69	1.69	1.69
1.683	0.00	7.683	1.50	13.783	114.84	19.18	1.69	1.69	1.69	1.69	1.69
1.700	0.00	7.700	1.50	13.800	114.84	19.19	1.69	1.69	1.69	1.69	1.69
1.716	0.00	7.716	1.50								

3.600	1.22	9.659	3.00	15.700	2.81	21.75	1.13
3.617	1.22	9.667	3.00	15.717	2.81	21.77	1.13
3.634	1.22	9.675	3.00	15.734	2.81	21.79	1.13
3.650	1.22	9.700	3.00	15.750	2.81	21.80	1.13
3.667	1.22	9.717	3.00	15.767	2.81	21.82	1.13
3.683	1.22	9.733	3.00	15.783	2.81	21.84	1.13
3.700	1.22	9.750	3.00	15.800	2.81	21.85	1.13
3.717	1.22	9.767	3.00	15.817	2.81	21.87	1.13
3.733	1.22	9.783	3.00	15.833	2.81	21.89	1.13
3.750	1.22	9.800	3.00	15.850	2.81	21.90	1.13
3.767	1.22	9.817	3.00	15.867	2.81	21.92	1.13
3.783	1.22	9.833	3.00	15.883	2.81	21.93	1.13
3.800	1.22	9.850	3.00	15.900	2.81	21.95	1.13
3.817	1.22	9.867	3.00	15.917	2.81	21.97	1.13
3.833	1.22	9.883	3.00	15.933	2.81	21.98	1.13
3.850	1.22	9.900	3.00	15.950	2.81	22.00	1.13
3.867	1.22	9.917	3.00	15.967	2.81	22.02	1.13
3.883	1.22	9.933	3.00	15.983	2.81	22.03	1.13
3.900	1.22	9.950	3.00	16.000	2.81	22.05	1.13
3.917	1.22	9.967	3.00	16.017	2.81	22.07	1.13
3.933	1.22	9.983	3.00	16.033	2.81	22.08	1.13
3.950	1.22	10.000	3.00	16.050	2.81	22.10	1.13
3.967	1.22	10.017	3.00	16.067	2.81	22.12	1.13
3.983	1.22	10.033	3.00	16.083	2.81	22.13	1.13
4.000	1.22	10.050	3.00	16.100	2.81	22.15	1.13
4.017	1.22	10.067	3.00	16.117	2.81	22.17	1.13
4.033	1.22	10.083	3.00	16.133	2.81	22.18	1.13
4.050	1.22	10.100	3.00	16.150	2.81	22.20	1.13
4.067	1.22	10.117	3.00	16.167	2.81	22.22	1.13
4.083	1.22	10.133	3.00	16.183	1.69	22.23	1.13
4.100	1.22	10.150	3.00	16.200	1.69	22.25	1.13
4.117	1.22	10.167	3.00	16.217	1.69	22.26	1.13
4.133	1.22	10.183	3.00	16.233	1.69	22.28	1.13
4.150	1.22	10.200	3.00	16.250	1.69	22.30	1.13
4.167	1.22	10.217	3.00	16.267	1.69	22.32	1.13
4.183	1.50	10.233	4.32	16.283	1.69	22.33	1.13
4.200	1.50	10.250	4.32	16.300	1.69	22.35	1.13
4.217	1.50	10.267	4.32	16.317	1.69	22.37	1.13
4.233	1.50	10.283	4.32	16.333	1.69	22.38	1.13
4.250	1.50	10.300	4.32	16.350	1.69	22.40	1.13
4.267	1.50	10.317	4.32	16.367	1.69	22.42	1.13
4.283	1.50	10.333	4.32	16.383	1.69	22.43	1.13
4.300	1.50	10.350	4.32	16.400	1.69	22.45	1.13
4.317	1.50	10.367	4.32	16.417	1.69	22.47	1.13
4.333	1.50	10.383	4.32	16.433	1.69	22.48	1.13
4.350	1.50	10.400	4.32	16.450	1.69	22.50	1.13
4.367	1.50	10.417	4.32	16.467	1.69	22.52	1.13
4.383	1.50	10.433	4.32	16.483	1.69	22.54	1.13
4.400	1.50	10.450	4.32	16.500	1.69	22.55	1.13
4.417	1.50	10.467	4.32	16.517	1.69	22.57	1.13
4.433	1.50	10.483	4.32	16.533	1.69	22.59	1.13
4.450	1.50	10.500	4.32	16.550	1.69	22.60	1.13
4.467	1.50	10.517	4.32	16.567	1.69	22.62	1.13
4.483	1.50	10.533	4.32	16.583	1.69	22.64	1.13
4.500	1.50	10.550	4.32	16.600	1.69	22.65	1.13
4.517	1.50	10.567	4.32	16.617	1.69	22.67	1.13
4.533	1.50	10.583	4.32	16.633	1.69	22.69	1.13
4.550	1.50	10.600	4.32	16.650	1.69	22.70	1.13
4.567	1.50	10.617	4.32	16.667	1.69	22.72	1.13
4.583	1.50	10.633	4.32	16.683	1.69	22.73	1.13
4.600	1.50	10.650	4.32	16.700	1.69	22.75	1.13
4.617	1.50	10.667	4.32	16.717	1.69	22.77	1.13
4.633	1.50	10.683	4.32	16.733	1.69	22.78	1.13
4.650	1.50	10.700	4.32	16.750	1.69	22.80	1.13

197

5.733	1.50	11.783	27.77	17.833	1.69	23.88	1.13
5.750	1.50	11.800	27.77	17.850	1.69	23.90	1.13
5.767	1.50	11.817	27.77	17.867	1.69	23.92	1.13
5.783	1.50	11.833	27.77	17.883	1.69	23.93	1.13
5.800	1.50	11.850	27.77	17.900	1.69	23.95	1.13
5.817	1.50	11.867	27.77	17.917	1.69	23.97	1.13
5.833	1.50	11.883	27.77	17.933	1.69	23.98	1.13
5.850	1.50	11.900	27.77	17.950	1.69	24.00	1.13
5.867	1.50	11.917	27.77	17.967	1.69	24.02	1.13
5.883	1.50	11.933	27.77	17.983	1.69	24.03	1.13
5.900	1.50	11.950	27.77	18.000	1.69	24.05	1.13
5.917	1.50	11.967	27.77	18.017	1.69	24.07	1.13
5.933	1.50	11.983	27.77	18.033	1.69	24.09	1.13
5.950	1.50	12.000	27.77	18.050	1.69	24.10	1.13
5.967	1.50	12.017	27.77	18.067	1.69	24.12	1.13
5.983	1.50	12.033	27.77	18.083	1.69	24.14	1.13
6.000	1.50	12.050	27.77	18.100	1.69	24.15	1.13
6.017	1.50	12.067	27.77	18.117	1.69	24.17	1.13
6.033	1.50	12.083	27.77	18.133	1.69	24.19	1.13
6.050	1.50	12.100	27.77	18.150	1.69	24.21	1.13

TOTALS

0.01 0.02
92.82 95.02
93.82 93.82
0.99 0.76

(1) CN PROCEDURE SELECTED FOR PREVIOUS LOSSES:
CN* = 89.0 Ta = Dep. Storage (Above)
(11) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
TO PREVIOUS TIME STEP (DT) IF PREVIOUS TIME STEP
(111) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

[ADD HYD = 0015]				
+ ID2 = 1 (0002)				
+ ID2 = 2 (0002)				
+ ID2 = 3 (0015)				
NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.				

[ADD HYD = 0028]				
+ ID2 = 1 (0015)				
+ ID2 = 2 (0002)				
+ ID2 = 3 (0028)				
NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.				

199

4.667	1.50	10.717	5.82	16.767	1.69	22.82	1.13
4.683	1.50	10.733	5.82	16.783	1.69	22.83	1.13
4.700	1.50	10.750	5.82	16.800	1.69	22.85	1.13
4.717	1.50	10.767	5.82	16.817	1.69	22.87	1.13
4.733	1.50	10.783	5.82	16.833	1.69	22.88	1.13
4.750	1.50	10.800	5.82	16.850	1.69	22.90	1.13
4.767	1.50	10.817	5.82	16.867	1.69	22.92	1.13
4.783	1.50	10.833	5.82	16.883	1.69	22.93	1.13
4.800	1.50	10.850	5.82	16.900	1.69	22.95	1.13
4.817	1.50	10.867	5.82	16.917	1.69	22.97	1.13
4.833	1.50	10.883	5.82	16.933	1.69	22.98	1.13
4.850	1.50	10.900	5.82	16.950	1.69	23.00	1.13
4.867	1.50	10.917	5.82	16.967	1.69	23.01	1.13
4.883	1.50	10.933	5.82	16.983	1.69	23.03	1.13
4.900	1.50	10.950	5.82	17.000	1.69	23.05	1.13
4.917	1.50	10.967	5.82	17.017	1.69	23.06	1.13
4.933	1.50	10.983	5.82	17.033	1.69	23.08	1.13
4.950	1.50	11.000	5.82	17.050	1.69	23.10	1.13
4.967	1.50	11.017	5.82	17.067	1.69	23.11	1.13
4.983	1.50	11.033	5.82	17.083	1.69	23.13	1.13
5.000	1.50	11.050	5.82	17.100	1.69	23.15	1.13
5.017	1.50	11.067	5.82	17.117	1.69	23.16	1.13
5.033	1.50	11.083	5.82	17.133	1.69	23.18	1.13
5.050	1.50	11.100	5.82	17.150	1.69	23.20	1.13
5.067	1.50	11.117	5.82	17.167	1.69	23.21	1.13
5.083	1.50	11.133	5.82	17.183	1.69	23.23	1.13
5.100	1.50	11.150	5.82	17.200	1.69	23.25	1.13
5.117	1.50	11.167	5.82	17.217	1.69	23.26	1.13
5.133	1.50	11.183	5.82	17.233	1.69	23.28	1.13
5.150	1.50	11.200	5.82	17.250	1.69	23.30	1.13
5.167	1.50	11.217	5.82	17.267	1.69	23.32	1.13
5.183	1.50	11.233	5.82	17.283	1.69	23.33	1.13
5.200	1.50	11.250	5.82	17.300	1.69	23.35	1.13
5.217	1.50	11.267	5.82	17.317	1.69	23.36	1.13
5.233	1.50	11.283	5.82	17.333	1.69	23.37	1.13
5.250	1.50	11.300	5.82	17.350	1.69	23.39	1.13
5.267	1.50	11.317	5.82	17.367	1.69	23.40	1.13
5.283	1.50	11.333	5.82	17.383	1.69	23.42	1.13
5.300	1.50	11.350	5.82	17.400	1.69	23.43	1.13
5.317	1.50	11.367	5.82	17.417	1.69	23.45	1.13
5.333	1.50	11.383	5.82	17.433	1.69	23.47	1.13
5.350	1.50	11.400	5.82	17.450	1.69	23.48	1.13
5.367	1.50	11.417	5.82	17.467	1.69	23.50	1.13
5.383	1.50	11.433	5.82	17.483	1.69	23.51	1.13
5.400	1.50	11.450	5.82	17.500	1.69	23.53	1.13
5.417	1.50	11.467	5.82	17.517	1.69	23.54	1.13
5.433	1.50	11.483	5.82	17.533	1.69	23.55	1.13
5.450	1.50	11.500	5.82	17.550	1.69	23.57	1.13
5.467	1.50	11.517	5.82	17.567	1.69	23.58	1.13
5.483	1.50	11.533	5.82	17.583	1.69	23.60	1.13
5.500	1.50	11.550	5.82	17.600	1.69	23.62	1.13
5.517	1.50	11.567	5.82	17.617	1.69	23.63	1.13
5.533	1.50	11.583	5.82	17.633	1.69	23.65	1.13
5.550	1.50	11.600	5.82	17.650	1.69	23.66	1.13
5.567	1.50	11.617	5.82	17.667	1.69	23.68	1.13
5.583	1.50	11.633	5.82	17.683	1.69	23.70	1.13
5.600	1.50	11.650	5.82	17.700	1.69	23.71	1.13
5.617	1.50	11.667	5.82	17.717	1.69	23.73	1.13
5.633	1.50	11.683	5.82	17.733	1.69	23.74	1.13
5.650	1.50	11.700	5.82	17.750	1.69	23.76	1.13
5.667	1.50	11.717	5.82	17.767	1.69	23.78	1.13
5.683	1.50	11.733	5.82	17.783	1.69	23.80	1.13
5.700	1.50	11.750	5.82	17.800	1.69	23.81	1.13
5.717	1.50	11.767	5.82	17.817	1.69	23.83	1.13
5.733	1.50	11.783	5.82	17.833	1.69	23.84	1.13
5.750	1.50	11.800	5.82	17.850	1.69	23.86	1.13
5.767	1.50	11.817	5.82	17.867	1.69	23.87	1.13
5.783	1.50	11.833	5.82	17.883	1.69	23.89	1.13
5.800	1.50	11.850	5.82	17.900	1.69	23.90	1.13
5.817	1.50	11.867	5.82	17.917	1.69	23.92	1.13
5.833	1.50	11.883	5.82	17.933	1.69	23.93	1.13
5.850	1.50	11.900	5.82	17.950	1.69	23.95	1.13
5.867	1.50	11.917	5.82	17.967	1.69	23.96	1.13
5.883	1.50	11.933	5.82	17.983	1.69	23.98	1.13
5.900	1.50	11.950	5.82	17.999	1.69	23.99	1.13

CALIB		Area		(η) =	Curve Number (C	
NASHYO		Ia		(mm)	# of Linear Res. (	
ID= 1	D ² = 1.0 min	U.H.		Tp (hrs)	0.11	
0.67	9.25	1.59	48.62	2.33	8.35	
0.75	10.22	1.58	30.31	2.42	7.81	

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

----- TRANSFORMED METEOROLOG -----									
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
HRS	mm/hr	HRS	mm/hr	HRS	mm/hr	HRS	mm/hr	HRS	mm/hr
0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
0.003	0.000	0.007	10.22	0.010	1.503	0.013	38.31	0.016	8.35
0.006	0.000	0.014	10.22	0.017	1.690	0.020	2.38	0.023	8.35
0.009	0.000	0.021	10.22	0.024	1.617	0.027	38.31	0.030	8.35
0.012	0.000	0.028	10.22	0.031	1.617	0.034	38.31	0.037	8.35
0.015	0.000	0.035	10.22	0.038	1.617	0.041	38.31	0.044	8.35
0.018	0.000	0.042	10.22	0.045	1.617	0.048	38.31	0.051	8.35
0.021	0.000	0.049	10.22	0.052	1.617	0.055	38.31	0.058	8.35
0.024	0.000	0.056	11.47	0.059	1.650	0.062	38.31	0.065	7.81
0.027	0.000	0.063	11.47	0.066	1.650	0.069	38.31	0.072	7.81
0.030	0.000	0.070	11.47	0.073	1.650	0.076	38.31	0.079	7.81
0.033	0.000	0.077	11.47	0.080	1.650	0.083	38.31	0.086	7.81
0.036	0.000	0.084	11.47	0.087	1.650	0.090	38.31	0.093	7.81
0.039	0.000	0.091	11.47	0.094	1.650	0.097	38.31	0.100	7.81
0.042	0.000	0.098	11.47	0.101	1.650	0.104	38.31	0.107	7.81
0.045	0.000	0.105	11.47	0.108	1.650	0.111	38.31	0.114	7.81
0.048	0.000	0.112	11.47	0.115	1.650	0.118	38.31	0.121	7.81
0.051	0.000	0.119	11.47	0.122	1.650	0.125	38.31	0.128	7.81
0.054	0.000	0.126	11.47	0.129	1.650	0.132	38.31	0.135	7.81
0.057	0.000	0.133	11.47	0.136	1.650	0.139	38.31	0.142	7.81
0.060	0.000	0.140	11.47	0.143	1.650	0.146	38.31	0.149	7.81
0.063	0.000	0.147	11.47	0.150	1.650	0.153	38.31	0.156	7.81
0.066	0.000	0.154	11.47	0.157	1.650	0.160	38.31	0.163	7.81
0.069	0.000	0.161	11.47	0.164	1.650	0.167	38.31	0.170	7.81
0.072	0.000	0.168	11.47	0.171	1.650	0.174	38.31	0.177	7.81
0.075	0.000	0.175	11.47	0.178	1.650	0.181	38.31	0.184	7.81
0.078	0.000	0.182	11.47	0.185	1.650	0.188	38.31	0.191	7.81
0.081	0.000	0.189	11.47	0.192	1.650	0.195	38.31	0.198	7.81
0.084	0.000	0.196	11.47	0.199	1.650	0.202	38.31	0.205	7.81
0.087	0.000	0.203	11.47	0.206	1.650	0.209	38.31	0.212	7.81
0.090	0.000	0.210	11.47	0.213	1.650	0.216	38.31	0.219	7.81
0.093	0.000	0.217	11.47	0.220	1.650	0.223	38.31	0.226	7.81
0.096	0.000	0.224	11.47	0.227	1.650	0.230	38.31	0.233	7.81
0.099	0.000	0.231	11.47	0.234	1.650	0.237	38.31	0.240	7.81
0.102	0.000	0.238	11.47	0.241	1.650	0.244	38.31	0.247	7.81
0.105	0.000	0.245	11.47	0.248	1.650	0.25			

281

0.783	10.22	1.567	48.62	2.359	8.35
-------	-------	-------	-------	-------	------

201202

Unit Hyd Qpeak	(cms) =	0.021
PEAK FLOW	(cms) =	0.006 (1)
TIME TO PEAK	(hrs) =	1.593
RUNOFF VOLUME	(mm) =	20.836
TOTAL RAINFALL	(mm) =	54.635
RUNOFF COEFFICIENT	=	0.382

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

[illegible]202

0.683	9.25	1.467	122.72	2.259	9.73	3.03	5.51
0.700	9.25	1.483	122.72	2.267	8.98	3.06	5.51
0.717	9.25	1.500	122.72	2.283	8.98	3.07	5.51
0.733	9.25	1.517	48.02	2.300	8.98	3.08	5.51
0.750	9.25	1.533	48.02	2.317	8.98		
0.767	10.22	1.550	48.02	2.333	8.98		
0.783	10.22	1.567	48.02	2.350	8.35		

82

PEAK FLOW	(cms) =	0.158	(l)
TIME TO PEAK	(hrs) =	1.583	
RUNOFF VOLUME	(mm) =	20.119	
TOTAL RAINFALL	1 (mm) =	54.615	
RUNOFF COEFFICIENT	=	0.368	

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

•
•
•
•
•

ID = 9264 STANHYD (9264) 1 DT= 1.0 min	Area (ha) = 20.67 Total Imp(%) = 75.00	IMPERVIOUS (l) Surp. Storage (mm) = 1.00 Average Slope (%) = 2.00 Length (m) = 40.00 Manning's n = 0.013	PERVIOUS (l) Surp. Storage (mm) = 5.00 Average Slope (%) = 2.00 Length (m) = 30.00 Manning's n = 0.250	Dir. Conn.(%) = 37.50
--	---	--	--	-----------------------

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

TIME		TRANSFORMED HYDROGRAPH		TIME		RAIN		TIME	
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.617	0.00	0.889	10.22	1.583	48.92	2.37	8.35	2.37	8.35
0.617	0.00	0.889	10.22	1.583	48.92	2.37	8.35	2.37	8.35
0.650	0.00	0.833	10.52	1.617	39.31	2.40	8.35	2.40	8.35
0.650	0.00	0.833	10.52	1.617	39.31	2.40	8.35	2.40	8.35
0.683	0.00	0.859	11.47	1.633	30.31	2.42	8.35	2.42	8.35
0.683	0.00	0.859	11.47	1.633	30.31	2.42	8.35	2.42	8.35
0.716	0.00	0.883	11.47	1.667	30.31	2.45	7.81	2.45	7.81
0.716	0.00	0.883	11.47	1.667	30.31	2.45	7.81	2.45	7.81
0.750	0.00	0.909	11.47	1.683	22.61	2.47	7.81	2.47	7.81
0.750	0.00	0.909	11.47	1.683	22.61	2.47	7.81	2.47	7.81
0.783	0.17	0.933	13.15	1.717	22.61	2.50	7.81	2.50	7.81
0.783	0.17	0.933	13.15	1.717	22.61	2.50	7.81	2.50	7.81
0.817	0.79	0.959	13.13	1.723	22.61	2.52	7.35	2.52	7.35
0.817	0.79	0.959	13.13	1.723	22.61	2.52	7.35	2.52	7.35
0.850	0.69	0.983	13.13	1.767	18.11	2.57	7.35	2.57	7.35
0.850	0.69	0.983	13.13	1.767	18.11	2.57	7.35	2.57	7.35
0.883	0.69	1.009	13.13	1.783	18.11	2.59	6.95	2.59	6.95
0.883	0.69	1.009	13.13	1.783	18.11	2.59	6.95	2.59	6.95
0.916	0.69	1.033	15.48	1.817	18.11	2.62	6.95	2.62	6.95
0.916	0.69	1.033	15.48	1.817	18.11	2.62	6.95	2.62	6.95
0.950	6.44	1.059	15.48	1.833	18.11	2.62	6.95	2.62	6.95
0.950	6.44	1.059	15.48	1.833	18.11	2.62	6.95	2.62	6.95
0.983	6.44	1.083	15.48	1.867	15.57	2.67	6.95	2.67	6.95
0.983	6.44	1.083	15.48	1.867	15.57	2.67	6.95	2.67	6.95
1.016	6.44	1.109	19.06	1.883	15.57	2.70	6.59	2.70	6.59
1.016	6.44	1.109	19.06	1.883	15.57	2.70	6.59	2.70	6.59
1.050	6.83	1.133	19.06	1.917	15.57	2.72	6.59	2.72	6.59
1.050	6.83	1.133	19.06	1.917	15.57	2.72	6.59	2.72	6.59
1.083	6.83	1.159	19.06	1.923	13.28	2.72	6.59	2.72	6.59
1.083	6.83	1.159	19.06	1.923	13.28	2.72	6.59	2.72	6.59
1.116	6.83	1.183	25.29	1.967	13.28	2.75	6.59	2.75	6.59
1.116	6.83	1.183	25.29	1.967	13.28	2.75	6.59	2.75	6.59
1.150	9.93	1.209	25.29	1.983	13.28	2.77	6.23	2.77	6.23
1.150	9.93	1.209	25.29	1.983	13.28	2.77	6.23	2.77	6.23
1.183	9.93	1.233	25.29	2.017	11.80	2.80	6.23	2.80	6.23
1.183	9.93	1.233	25.29	2.017	11.80	2.80	6.23	2.80	6.23

203[illegible]4.696 (iii)

(1) CN PROCEDURE SELECTED FOR PEROUS LOSSES:
 (2) THE STORAGE COEFFICIENT IS 89.0 (BELOW STORAGE ABOVE)
 (3) THE STEP SIZE SHOULD BE 1.0 (BELOW STORAGE ABOVE)
 (4) THE STORAGE COEFFICIENT IS 89.0 (BELOW STORAGE ABOVE)
 (5) THE STORAGE COEFFICIENT IS 89.0 (BELOW STORAGE ABOVE)
 (6) THE STORAGE COEFFICIENT IS 89.0 (BELOW STORAGE ABOVE)
 (7) THE STORAGE COEFFICIENT IS 89.0 (BELOW STORAGE ABOVE)
 (8) THE STORAGE COEFFICIENT IS 89.0 (BELOW STORAGE ABOVE)
 (9) THE STORAGE COEFFICIENT IS 89.0 (BELOW STORAGE ABOVE)
 (10) THE STORAGE COEFFICIENT IS 89.0 (BELOW STORAGE ABOVE)
 (11) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB	Area	(ha) = 1.53
STANDHYD (0206)	Total	Imp (%) = 99.99
10- 1.0 = 1.0 min		DIR. Com. (%) = 1.00

IMPERVIOUS PEROUS (1)

$$1 =$$

	TIME		--- TRANSFORMED HYETOGRAPH ---				TIME	
	RAIN	RAIN	RAIN	TIME	RAIN	TIME	RAIN	TIME
Area (mm ²)	0.017	0.008	0.880	18.22	1.583	48.02	2.375	8.35
Dpt. Slope	0.013	0.008	0.880	19.22	1.583	38.31	2.38	8.35
Average Slope (%)	0.013	0.008	0.817	19.22	1.600	39.31	2.38	8.35
Length (m)	0.017	0.008	0.853	19.22	1.632	39.31	2.43	8.35
Manifolds (n)	0.007	0.008	0.853	11.47	1.632	39.31	2.43	8.35
Manifolds n	0.007	0.008	0.867	11.47	1.650	39.31	2.43	7.61

204

0.100	5.79	0.883	11.47	1.667	39.31	2.45	7.81
0.117	5.79	0.909	11.47	1.683	22.51	2.47	7.81
0.134	5.79	0.935	13.15	1.717	22.51	2.49	7.81
0.151	5.79	0.961	13.15	1.750	22.51	2.51	7.81
0.168	5.79	0.987	13.13	1.783	22.51	2.52	7.35
0.185	6.09	1.013	13.13	1.816	18.11	2.55	7.35
0.202	6.09	1.039	13.13	1.849	18.11	2.57	7.35
0.219	6.09	1.065	15.48	1.882	18.11	2.59	6.95
0.236	6.09	1.091	15.48	1.915	18.11	2.60	6.95
0.253	6.44	1.067	15.48	1.948	15.27	2.63	6.95
0.270	6.44	1.093	15.48	1.981	15.27	2.65	6.95
0.287	6.44	1.119	19.06	1.983	15.27	2.67	6.95
0.304	6.44	1.145	19.06	1.983	15.27	2.68	6.95
0.321	6.44	1.171	19.06	1.983	15.27	2.68	6.95
0.338	6.44	1.197	19.06	1.983	15.27	2.68	6.95
0.355	6.44	1.223	19.06	1.983	15.27	2.68	6.95
0.372	6.44	1.249	25.29	2.000	13.28	2.72	6.59
0.389	6.44	1.275	25.29	2.000	13.28	2.72	6.59
0.406	6.44	1.301	25.29	2.000	13.28	2.72	6.59
0.423	6.44	1.327	25.29	2.000	13.28	2.72	6.59
0.440	6.44	1.353	25.29	2.000	13.28	2.72	6.59
0.457	6.44	1.379	25.29	2.000	13.28	2.72	6.59
0.474	6.44	1.405	25.29	2.000	13.28	2.72	6.59
0.491	6.44	1.431	25.29	2.000	13.28	2.72	6.59
0.508	6.44	1.457	25.29	2.000	13.28	2.72	6.59
0.525	6.44	1.483	25.29	2.000	13.28	2.72	6.59
0.542	6.44	1.509	25.29	2.000	13.28	2.72	6.59
0.559	6.44	1.535	25.29	2.000	13.28	2.72	6.59
0.576	6.44	1.561	25.29	2.000	13.28	2.72	6.59
0.593	6.44	1.587	25.29	2.000	13.28	2.72	6.59
0.610	6.44	1.613	25.29	2.000	13.28	2.72	6.59
0.627	6.44	1.639	25.29	2.000	13.28	2.72	6.59
0.644	6.44	1.665	25.29	2.000	13.28	2.72	6.59
0.661	6.44	1.691	25.29	2.000	13.28	2.72	6.59
0.678	6.44	1.717	25.29	2.000	13.28	2.72	6.59
0.695	6.44	1.743	25.29	2.000	13.28	2.72	6.59
0.712	6.44	1.769	25.29	2.000	13.28	2.72	6.59
0.729	6.44	1.795	25.29	2.000	13.28	2.72	6.59
0.746	6.44	1.821	25.29	2.000	13.28	2.72	6.59
0.763	6.44	1.847	25.29	2.000	13.28	2.72	6.59
0.780	6.44	1.873	25.29	2.000	13.28	2.72	6.59
0.797	6.44	1.899	25.29	2.000	13.28	2.72	6.59
0.814	6.44	1.925	25.29	2.000	13.28	2.72	6.59
0.831	6.44	1.951	25.29	2.000	13.28	2.72	6.59
0.848	6.44	1.977	25.29	2.000	13.28	2.72	6.59
0.865	6.44	2.003	25.29	2.000	13.28	2.72	6.59
0.882	6.44	2.029	25.29	2.000	13.28	2.72	6.59
0.899	6.44	2.055	25.29	2.000	13.28	2.72	6.59
0.916	6.44	2.081	25.29	2.000	13.28	2.72	6.59
0.933	6.44	2.107	25.29	2.000	13.28	2.72	6.59
0.950	6.44	2.133	25.29	2.000	13.28	2.72	6.59
0.967	6.44	2.159	25.29	2.000	13.28	2.72	6.59
0.984	6.44	2.185	25.29	2.000	13.28	2.72	6.59
1.001	6.44	2.211	25.29	2.000	13.28	2.72	6.59
1.018	6.44	2.237	25.29	2.000	13.28	2.72	6.59
1.035	6.44	2.263	25.29	2.000	13.28	2.72	6.59
1.052	6.44	2.289	25.29	2.000	13.28	2.72	6.59
1.069	6.44	2.315	25.29	2.000	13.28	2.72	6.59
1.086	6.44	2.341	25.29	2.000	13.28	2.72	6.59
1.103	6.44	2.367	25.29	2.000	13.28	2.72	6.59
1.120	6.44	2.393	25.29	2.000	13.28	2.72	6.59
1.137	6.44	2.419	25.29	2.000	13.28	2.72	6.59
1.154	6.44	2.445	25.29	2.000	13.28	2.72	6.59
1.171	6.44	2.471	25.29	2.000	13.28	2.72	6.59
1.188	6.44	2.497	25.29	2.000	13.28	2.72	6.59
1.205	6.44	2.523	25.29	2.000	13.28	2.72	6.59
1.222	6.44	2.549	25.29	2.000	13.28	2.72	6.59
1.239	6.44	2.575	25.29	2.000	13.28	2.72	6.59
1.256	6.44	2.601	25.29	2.000	13.28	2.72	6.59
1.273	6.44	2.627	25.29	2.000	13.28	2.72	6.59
1.290	6.44	2.653	25.29	2.000	13.28	2.72	6.59
1.307	6.44	2.679	25.29	2.000	13.28	2.72	6.59
1.324	6.44	2.705	25.29	2.000	13.28	2.72	6.59
1.341	6.44	2.731	25.29	2.000	13.28	2.72	6.59
1.358	6.44	2.757	25.29	2.000	13.28	2.72	6.59
1.375	6.44	2.783	25.29	2.000	13.28	2.72	6.59
1.392	6.44	2.809	25.29	2.000	13.28	2.72	6.59
1.409	6.44	2.835	25.29	2.000	13.28	2.72	6.59
1.426	6.44	2.861	25.29	2.000	13.28	2.72	6.59
1.443	6.44	2.887	25.29	2.000	13.28	2.72	6.59
1.460	6.44	2.913	25.29	2.000	13.28	2.72	6.59
1.477	6.44	2.939	25.29	2.000	13.28	2.72	6.59
1.494	6.44	2.965	25.29	2.000	13.28	2.72	6.59
1.511	6.44	2.991	25.29	2.000	13.28	2.72	6.59
1.528	6.44	3.017	25.29	2.000	13.28	2.72	6.59
1.545	6.44	3.043	25.29	2.000	13.28	2.72	6.59
1.562	6.44	3.069	25.29	2.000	13.28	2.72	6.59
1.579	6.44	3.095	25.29	2.000	13.28	2.72	6.59
1.596	6.44	3.121	25.29	2.000	13.28	2.72	6.59
1.613	6.44	3.147	25.29	2.000	13.28	2.72	6.59
1.630	6.44	3.173	25.29	2.000	13.28	2.72	6.59
1.647	6.44	3.199	25.29	2.000	13.28	2.72	6.59
1.664	6.44	3.225	25.29	2.000	13.28	2.72	6.59
1.681	6.44	3.251	25.29	2.000	13.28	2.72	6.59
1.698	6.44	3.277	25.29	2.000	13.28	2.72	6.59
1.715	6.44	3.303	25.29	2.000	13.28	2.72	6.59
1.732	6.44	3.329	25.29	2.000	13.28	2.72	6.59
1.749	6.44	3.355	25.29	2.000	13.28	2.72	6.59
1.766	6.44	3.381	25.29	2.000	13.28	2.72	6.59
1.783	6.44	3.407	25.29	2.000	13.28	2.72	6.59
1.800	6.44	3.433	25.29	2.000	13.28	2.72	6.59
1.817	6.44	3.459	25.29	2.000	13.28	2.72	6.59
1.834	6.44	3.485	25.29	2.000	13.28	2.72	6.59
1.851	6.44	3.511	25.29	2.000	13.28	2.72	6.59
1.868	6.44	3.537	25.29	2.000	13.28	2.72	6.59
1.885	6.44	3.563	25.29	2.000	13.28	2.72	6.59
1.902	6.44	3.589	25.29	2.000	13.28	2.72	6.59
1.919	6.44	3.615	25.29	2.000	13.28	2.72	6.59
1.936	6.44	3.641	25.29	2.000	13.28	2.72	6.59
1.953	6.44	3.667	25.29	2.000	13.28	2.72	6.59
1.970	6.44	3.693	25.29	2.000	13.28	2.72	6.59
1.987	6.44	3.719	25.29	2.000	13.28	2.72	6.59
2.004	6.44	3.745	25.29	2.000	13.28	2.72	6.59
2.021	6.44	3.771	25.29	2.000	13.28	2.72	6.59
2.038	6.44	3.797	25.29	2.000	13.28	2.72	6.59
2.055	6.44	3.823	25.29	2.000	13.28	2.72	6.59
2.072	6.44	3.849	25.29	2.000	13.28	2.72	6.59
2.089	6.44	3.875	25.29	2.000	13.28	2.72	6.59
2.106	6.44	3.901	25.29	2.000	13.28	2.72	6.59
2.123	6.44	3.927	25.29	2.000	13.28	2.72	6.59
2.140	6.44	3.953	25.29	2.000	13.28	2.72	6.59
2.157	6.44	3.979	25.29	2.000	13.28	2.72	6.59
2.174	6.44	4.005	25.29	2.000	13.28	2.72	6.59
2.191	6.44	4.031	25.29	2.000	13.28	2.72	6.59
2.208	6.44	4.057	25.29	2.000	13.28	2.72	6.59
2.225	6.44	4.083	25.29	2.000	13.28	2.72	6.59
2.242	6.44	4.109	25.29	2.000	13.28	2.72	6.59
2.259	6.44	4.135	25.29	2.000	13.28	2.72	6.59
2.276	6.44	4.161	25.29	2.000	13.28	2.72	6.59
2.293	6.44	4.187	25.29	2.000	13.28	2.72	6.59
2.310	6.44	4.213	25.29	2.000	13.28	2.72	6.59
2.327	6.44	4.239	25.29	2.000	13.28	2.72	6.59
2.344	6.44	4.265	25.29	2.000	13.28	2.72	6.59
2.361	6.44	4.291	25.29	2.000	13.28	2.72	6.59
2.378	6.44	4.317	25.29	2.000	13.28	2.72	6.59
2.395	6.44	4.343	25.29	2.000	13.28	2.72	6.59
2.412	6.44	4.369	25.29	2.000	13.28	2.72	6.59
2.429	6.44	4.395	25.29	2.000	13.28	2.72	6.59
2.446	6.44	4.421	25.29	2.000	13.28	2.72	6.59
2.463	6.44	4.447	25.29	2.000	13.28	2.72	6.59
2.480	6.44	4.473	25.29	2.000	13.28	2.72	6.59
2.497	6.44	4.499	25.29	2.000	13.28	2.72	6.59
2.514	6.44	4.525	25.29	2.000	13.28	2.72	6.59
2.531	6.44	4.551	25.29	2.000	13.28	2.72	6.59
2.548	6.44	4.577	25.29	2.000	13.28	2.72	6.59
2.565	6.44	4.603	25.29	2.000	13.28	2.72	6.59
2.582	6.44	4.629	25.29	2.000	13.28	2.72	6.59
2.599	6.44	4.655	25.29	2.000	13.28	2.72	6.59
2.616	6.44	4.681	25.29	2.000	13.28	2.72	

0.633	8.47	1.417	91.83	2.269	9.73	2.98	5.74
0.659	8.47	1.433	122.72	2.217	9.73	3.00	5.74
0.683	9.25	1.467	122.72	2.259	9.73	3.02	5.51
0.709	9.25	1.483	122.72	2.267	9.88	3.05	5.51
0.733	9.25	1.517	48.82	2.389	8.98	3.07	5.51
0.759	9.25	1.533	48.82	2.317	8.98	3.08	5.51
0.783	39.22	1.559	48.82	2.353	8.98		
0.793	40.22	1.597	48.82	2.359	8.98		

Max Eff. Inten. (mm/hr)= 113.35
Storage Coeff. (min)= 1.98 (11)
Unit Hyd. Peak (min)= 5.98
Unit Hyd. Peak (cms)= 0.36

PEAK FLOW (cms)= 0.01
PEAK FLOW (mm)= 0.029 (111)
RUNOFF PEAK (mm)= 37.35
TOTAL RAINFALL (mm)= 53.62
RUNOFF COEFFICIENT = 54.62
54.62
0.96

(1) ON PROCEDURE SELECTED FOR PREVIOUS LOSSES.
CN = 0.05
(11) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
TO THE STORAGE COEFFICIENT BASEFLOW IF ANY.

ADD HYD. (8915)	AREA (Ha)	OPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0820)	0.13	0.028	1.52	37.37
+ ID2= 2 (0823)	0.23	0.026	1.52	37.35
ID= 3 (0815)	0.23	0.048	1.52	37.36

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

ADD HYD. (8928)	AREA (Ha)	OPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0815)	0.23	0.048	1.52	37.36
+ ID2= 2 (0823)	0.23	0.048	1.52	37.36
ID= 3 (0828)	24.11	0.755	2.12	37.96

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

V V I SSSSS U U A L L (v 6.2.016)
V V I SS U U A A L L
V V I SS U U A A L L
V V I SSSSS UUUUU A A LLLL

000 TTTT TTTT H H Y Y M M 000 TM
0 0 T T H H Y Y M M 000
000 T T H H Y Y M M 000
Developed and Distributed by Smart City Water Inc
Copyright 2000 Smart City Water Inc
All rights reserved.

**** DETAILED OUTPUT ****

Input filename: C:\Program Files (x86)\Visual OTTHWYO 6.2\02\VOin.dat
Output filename: C:\Users\Aloca\Documents\WMS\35c3f405-d877-4180-893e-c6770560904\05719
886-980C-40FC-8230-6369F124E077\scen
Summary filename: C:\Users\Aloca\Documents\WMS\35c3f405-d877-4180-893e-c6770560904\05719
886-980C-40FC-8230-6369F124E077\scen

DATE: 11/26/2024 TIME: 08:56:02

USER:

COMMENTS:

Filename: C:\Users\Aloca\Documents\WMS\35c3f405-d877-4180-893e-c6770560904\05719
886-980C-40FC-8230-6369F124E077\scen
Comments: 56yr 24hr 10min SCS Type II (MTO)

READ STORM	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
183.68 mm	0.09	0.09	6.17	1.86	12.33	14.92	18.99	1.86
	0.33	1.14	6.59	1.86	12.67	7.67	18.53	1.86
	0.59	1.14	6.67	1.86	12.83	7.67	19.49	1.86
	0.63	1.14	7.06	1.86	13.17	5.59	19.33	1.86
	1.09	1.14	7.17	2.28	13.33	5.59	19.49	1.86
	1.33	1.14	7.50	2.28	13.67	4.35	19.83	1.86
	1.50	1.14	7.67	2.28	13.83	4.35	20.09	1.86
	1.63	1.14	8.06	2.28	14.17	3.11	20.33	1.24
	2.00	1.14	8.17	2.69	14.33	3.11	20.49	1.24
	2.33	1.35	8.53	2.69	14.69	3.11	20.65	1.24
	2.50	1.35	8.67	2.90	14.83	3.11	21.09	1.24
	2.67	1.35	8.63	2.90	15.09	3.11	21.17	1.24
	2.83	1.35	9.06	2.90	15.17	3.11	21.33	1.24

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
3.00	1.35	9.17	3.32	15.33	9.11	21.59	1.24
3.07	0.63	3.32	15.59	3.11	21.67	1.24	
3.59	0.67	3.73	15.83	3.11	22.00	1.24	
3.67	1.35	6.83	3.73	16.03	3.11	22.17	1.24
4.08	1.35	10.17	4.77	16.33	1.86	22.59	1.24
4.16	1.66	10.33	4.77	16.50	1.86	22.67	1.24
4.39	1.66	10.67	6.42	16.67	1.86	22.83	1.24
4.67	1.66	10.83	6.42	17.00	1.86	23.17	1.24
4.83	1.66	11.00	6.42	17.17	1.86	23.33	1.24
5.17	1.66	11.33	9.95	17.50	1.86	23.67	1.24
5.33	1.66	11.99	9.95	17.67	1.86	23.83	1.24
5.67	1.66	11.83	78.74	18.00	1.86		
6.00	1.66	12.17	14.92	18.33	1.86		

CALIB ID	Area (mm)	Curve Number (CN)	Curve Number (CN)
1.0	0.95	3.00	3.00
1.0	0.95	3.00	3.00

NOTE: RAINFALL WAS TRANSFERRED TO 1.0 MIN. TIME STEP.

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.653	0.00	6.063	1.66	12.133	126.61	18.18	1.86
0.659	0.00	6.109	1.66	12.150	126.61	18.20	1.86
0.683	0.00	6.133	1.66	12.183	126.61	18.23	1.86
0.709	0.00	6.159	1.66	12.200	14.92	18.25	1.86
0.733	0.00	6.183	1.66	12.233	14.92	18.26	1.86
0.759	0.00	6.209	1.66	12.250	14.92	18.30	1.86
0.783	0.00	6.233	1.66	12.267	14.92	18.32	1.86
0.809	0.00	6.259	1.66	12.300	14.92	18.35	1.86
0.833	0.00	6.283	1.66	12.317	14.92	18.37	1.86
0.859	0.00	6.309	1.66	12.350	14.92	18.40	1.86
0.883	0.00	6.333	1.66	12.367	14.92	18.42	1.86
0.909	0.00	6.359	1.66	12.400	14.92	18.45	1.86
0.933	0.00	6.383	1.66	12.417	14.92	18.47	1.86
0.959	0.00	6.409	1.66	12.467	14.92	18.52	1.86
0.983	0.00	6.433	1.66	12.450	14.92	18.49	1.86
1.009	0.00	6.459	1.66	12.483	14.92	18.55	1.86
1.033	0.00	6.483	1.66	12.517	14.92	18.57	1.86
1.059	0.00	6.509	1.66	12.553	14.92	18.60	1.86
1.083	0.00	6.533	1.66	12.567	14.92	18.62	1.86
1.109	0.00	6.559	1.66	12.583	14.92	18.63	1.86
1.133	0.00	6.583	1.66	12.600	14.92	18.65	1.86

1.583	1.14	7.633	2.28	13.683	4.35	19.73	1.86	1.24
1.609	1.14	7.669	2.28	13.799	4.35	19.75	1.86	1.24
1.635	1.14	7.705	2.28	13.915	4.35	19.77	1.86	1.24
1.661	1.14	7.741	2.28	14.031	4.35	19.78	1.86	1.24
1.687	1.14	7.777	2.28	14.147	4.35	19.80	1.86	1.24
1.713	1.14	7.813	2.28	14.263	4.35	19.83	1.86	1.24
1.739	1.14	7.849	2.28	14.379	4.35	19.85	1.86	1.24
1.765	1.14	7.885	2.28	14.495	4.35	19.88	1.86	1.24
1.791	1.14	7.921	2.28	14.611	4.35	19.90	1.86	1.24
1.817	1.14	7.957	2.28	14.727	4.35	19.92	1.86	1.24
1.843	1.14	7.993	2.28	14.843	4.35	19.95	1.86	1.24
1.869	1.14	8.029	2.28	14.959	4.35	19.97	1.86	1.24
1.895	1.14	8.065	2.28	15.075	4.35	20.00	1.86	1.24
1.921	1.14	8.101	2.28	15.191	4.35	20.02	1.86	1.24
1.947	1.14	8.137	2.28	15.307	4.35	20.05	1.86	1.24
1.973	1.14	8.173	2.28	15.423	4.35	20.07	1.86	1.24
2.000	1.14	8.209	2.28	15.539	4.35	20.10	1.86	1.24
2.026	1.14	8.245	2.28	15.655	4.35	20.12	1.86	1.24
2.052	1.14	8.281	2.28	15.771	4.35	20.15	1.86	1.24
2.078	1.14	8.317	2.28	15.887	4.35	20.17	1.86	1.24
2.104	1.14	8.353	2.28	16.003	4.35	20.20	1.86	1.24
2.130	1.14	8.389	2.28	16.119	4.35	20.22	1.86	1.24
2.156	1.14	8.425	2.28	16.235	4.35	20.25	1.86	1.24
2.182	1.14	8.461	2.28	16.351	4.35	20.27	1.86	1.24
2.208	1.14	8.497	2.28	16.467	4.35	20.30	1.86	1.24
2.234	1.14	8.533	2.28	16.583	4.35	20.32	1.86	1.24
2.260	1.14	8.569	2.28	16.699	4.35	20.35	1.86	1.24
2.286	1.14	8.605	2.28	16.815	4.35	20.37	1.86	1.24
2.312	1.14	8.641	2.28	16.931	4.35	20.40	1.86	1.24
2.338	1.14	8.677	2.28	17.047	4.35	20.42	1.86	1.24
2.364	1.14	8.713	2.28	17.163	4.35	20.45	1.86	1.24
2.390	1.14	8.749	2.28	17.279	4.35	20.47	1.86	1.24
2.416	1.14	8.785	2.28	17.395	4.35	20.50	1.86	1.24
2.442	1.14	8.821	2.28	17.511	4.35	20.52	1.86	1.24
2.468	1.14	8.857	2.28	17.627	4.35	20.55	1.86	1.24
2.494	1.14	8.893	2.28	17.743	4.35	20.57	1.86	1.24
2.520	1.14	8.929	2.28	17.859	4.35	20.60	1.86	1.24
2.546	1.14	8.965	2.28	17.975	4.35	20.62	1.86	1.24
2.572	1.14	9.001	2.28	18.091	4.35	20.65	1.86	1.24
2.598	1.14	9.037	2.28	18.207	4.35	20.67	1.86	1.24
2.624	1.14	9.073	2.28	18.323	4.35	20.70	1.86	1.24
2.650	1.14	9.109	2.28	18.439	4.35	20.72	1.86	1.24
2.676	1.14	9.145	2.28	18.555	4.35	20.75	1.86	1.24
2.702	1.14	9.181	2.28	18.671	4.35	20.77	1.86	1.24
2.728	1.14	9.217	2.28	18.787	4.35	20.80	1.86	1.24
2.754	1.14	9.253	2.28	18.903	4.35	20.82	1.86	1.24
2.780	1.14	9.289	2.28	19.019	4.35	20.85	1.86	1.24
2.806	1.14	9.325	2.28	19.135	4.35	20.87	1.86	1.24
2.832	1.14	9.361	2.28	19.251	4.35	20.90	1.86	1.24
2.858	1.14	9.397	2.28	19.367	4.35	20.92	1.86	1.24
2.884	1.14	9.433	2.28	19.483	4.35	20.95	1.86	1.24
2.910	1.14	9.469	2.28	19.599	4.35	20.97	1.86	1.24
2.936	1.14	9.505	2.28	19.715	4.35	21.00	1.86	1.24
2.962	1.14	9.541	2.28	19.831	4.35	21.02	1.86	1.24
2.988	1.14	9.577	2.28	19.947	4.35	21.05	1.86	1.24
3.014	1.14	9.613	2.28	20.063	4.35	21.07	1.86	1.24
3.040	1.14	9.649	2.28	20.179	4.35	21.10	1.86	1.24
3.066	1.14	9.685	2.28	20.295	4.35	21.12	1.86	1.24
3.092	1.14	9.721	2.28	20.411	4.35	21.15	1.86	1.24
3.118	1.14	9.757	2.28	20.527	4.35	21.17	1.86	1.24
3.144	1.14	9.793	2.28	20.643	4.35	21.20	1.86	1.24
3.170	1.14	9.829	2.28	20.759	4.35	21.22	1.86	1.24
3.196	1.14	9.865	2.28	20.875	4.35	21.25	1.86	1.24
3.222	1.14	9.901	2.28	20.991	4.35	21.27	1.86	1.24
3.248	1.14	9.937	2.28	21.107	4.35	21.30	1.86	1.24
3.274	1.14	9.973	2.28	21.223	4.35	21.32	1.86	1.24
3.300	1.14	10.009	2.28	21.339	4.35	21.35	1.86	1.24
3.326	1.14	10.045	2.28	21.455	4.35	21.37	1.86	1.24
3.352	1.14	10.081	2.28	21.571	4.35	21.40	1.86	1.24
3.378	1.14	10.117	2.28	21.687	4.35	21.42	1.86	1.24
3.404	1.14	10.153	2.28	21.803	4.35	21.45	1.86	1.24
3.430	1.14	10.189	2.28	21.919	4.35	21.47	1.86	1.24
3.456	1.14	10.225	2.28	22.035	4.35	21.50	1.86	1.24
3.482	1.14	10.261	2.28	22.151	4.35	21.52	1.86	1.24
3.508	1.14	10.297	2.28	22.267	4.35	21.55	1.86	1.24
3.534	1.14	10.333	2.28	22.383	4.35	21.57	1.86	1.24
3.560	1.14	10.369	2.28	22.499	4.35	21.60	1.86	1.24
3.586	1.14	10.405	2.28	22.615	4.35	21.62	1.86	1.24
3.612	1.14	10.441	2.28	22.731	4.35	21.65	1.86	1.24
3.638	1.14	10.477	2.28	22.847	4.35	21.67	1.86	1.24
3.664	1.14	10.513	2.28	22.963	4.35	21.70	1.86	1.24
3.690	1.14	10.549	2.28	23.079	4.35	21.72	1.86	1.24
3.716	1.14	10.585	2.28	23.195	4.35	21.75	1.86	1.24
3.742	1.14	10.621	2.28	23.311	4.35	21.77	1.86	1.24
3.768	1.14	10.657	2.28	23.427	4.35	21.80	1.86	1.24
3.794	1.14	10.693	2.28	23.543	4.35	21.82	1.86	1.24
3.820	1.14	10.729	2.28	23.659	4.35	21.85	1.86	1.24
3.846	1.14	10.765	2.28	23.775	4.35	21.87	1.86	1.24
3.872	1.14	10.801	2.28	23.891	4.35	21.90	1.86	1.24
3.898	1.14	10.837	2.28	24.007	4.35	21.92	1.86	1.24
3.924	1.14	10.873	2.28	24.123	4.35	21.95	1.86	1.24
3.950	1.14	10.909	2.28	24.239	4.35	21.97	1.86	1.24
3.976	1.14	10.945	2.28	24.355	4.35	22.00	1.86	1.24
4.002	1.14	10.981	2.28	24.471	4.35	22.02	1.86	1.24
4.028	1.14	11.017	2.28	24.587	4.35	22.05	1.86	1.24
4.054	1.14	11.053	2.28	24.703	4.35	22.07	1.86	1.24
4.080	1.14	11.089	2.28	24.819	4.35	22.10	1.86	1.24
4.106	1.14	11.125	2.28	24.935	4.35	22.12	1.86	1.24
4.132	1.14	11.161	2.28	25.051	4.35	22.15	1.86	1.24
4.158	1.14	11.197	2.28	25.167	4.35	22.17	1.86	1.24
4.184	1.14	11.233	2.28	25.283	4.35	22.20	1.86	1.24
4.210	1.14	11.269	2.28	25.399	4.35	22.22	1.86	1.24
4.236	1.14	11.305	2.28	25.515	4.35	22.25	1.86	1.24
4.262	1.14	11.341	2.28	25.631	4.35	22.27	1.86	1.24
4.288	1.14	11.377	2.28	25.747	4.35	22.30	1.86	1.24
4.314	1.14	11.413	2.28	25.863	4.35	22.32	1.86	1.24
4.340	1.14	11.449	2.28	25.979	4.35	22.35	1.86	1.24
4.366	1.14	11.485	2.28	26.095	4.35	22.37	1.86	1.24
4.392	1.14	11.521	2.28	26.211	4.35	22.40	1.86	1.24
4.418	1.14	11.557	2.28	26.327	4.35	22.42	1.86	1.24
4.444	1.14	11.593	2.28	26.443	4.35	22.45	1.86	1.24
4.470	1.14	11.629	2.28	26.559	4.35	22.47	1.86	1.24
4.496	1.14	11.665	2.28	26.675	4.35	22.50	1.86	1.24
4.522	1.14	11.701	2.28	26.791	4.35	22.52	1.86	1.24
4.548	1.14	11.737	2.28	26.907	4.35	22.55	1.86	1.24
4.574	1.14	11.773	2.28	27.023	4.35	22.57	1.86	1.24
4.600	1.14	11.809	2.28	27.139	4.35	22.60	1.86	1.24
4.626	1.14	11.845	2.28	27.255	4.35	22.62	1.86	1.24
4.652	1.14	11.881	2.28	27.371	4.35	22.65	1.86	1.24
4.678	1.14	11.917	2.28	27.487	4.35	22.67	1.86	1.24
4.704	1.14	11.953	2.28	27.603	4.35	22.70	1.86	1.24
4.730	1.14	11.989	2.28	27.719	4.35	22.72	1.86	1.24
4.756	1.14	12.025	2.28	27.835	4.35	22.75	1.86	1.24
4.782	1.14	12.061	2.28	27.951	4.35	22.77	1.86	1.24
4.808	1.14	12.097	2.28	28.067	4.35	22.80	1.86	1.24
4.834	1.14	12.133	2.28	28.183	4.35	22.82	1.86	1.24
4.860	1.14	12.169	2.28	28.299	4.35	22.85	1.86	1.24
4.886	1.14	12.205	2.28	28.415	4.35	22.87	1.86	1.24
4.912	1.14	12.241	2.28	28.531	4.35	22.90	1.86	1.24
4.938	1.14	12.277	2.28	28.647	4.35	22.92	1.86	1.24
4.964	1.14	12.313	2.28	28.763	4.35	22.95	1.86	1.24
4.990	1.14	12.349	2.28	28.879	4.35	22.97	1.86	1.24
5.016	1.14	12.385	2.28	28.995	4.35	23.00	1.86	1.24
5.042	1.14	12.421	2.28	29.111	4.35	23.02	1.86	1.24
5.068	1.14	12.457	2.28	29.227	4.35	23.05	1.86	1.24

5.850	1.66	11.990	78.74	17.950	1.86	24.00	1.24
5.867	1.66	11.917	78.74	17.957	1.86	24.02	1.24
5.884	1.66	11.844	78.74	18.000	1.86	24.04	1.24
5.900	1.66	11.770	78.74	18.043	1.86	24.06	1.24
5.917	1.66	11.697	78.74	18.017	1.86	24.07	1.24
5.934	1.66	11.624	78.74	18.060	1.86	24.09	1.24
5.950	1.66	12.000	78.74	18.050	1.86	24.10	1.24
5.967	1.66	12.017	78.77	18.007	1.86	24.12	1.24
5.984	1.66	12.034	78.77	18.053	1.86	24.13	1.24
5.999	1.66	12.053	78.81	18.093	1.86	24.15	1.24
6.017	1.66	12.067	78.81	18.117	1.86	24.17	1.24
6.033	1.66	12.083	78.81	18.133	1.86		
6.050	1.66	12.100	78.81	18.150	1.86		

Unit Hyd Qpeak (cms) = 0.021

PEAK FLOW (cms) = 0.012 (1)

TIME TO PEAK (hrs) = 12.200

TOTAL RAINFALL (mm) = 203.601

RUNOFF COEFFICIENT = 0.473

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB		Area	(ha) =	1.68	Curve Number (CN) =	79.0
NASHYD	(0201)	U.H.	(mm) =	6.35	# of Linear Res. (N) =	3.00
ID= 1	DT= 1.0 min	Id	Tp(hrs) =	0.11		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

UNIT TRANSFORMED HYETOGRAPH									
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00	0.000	0.00
0.003	0.00	0.003	1.66	12.133	126.61	18.18	1.86	0.003	0.00
0.006	0.00	0.006	1.66	12.150	126.61	18.20	1.86	0.006	0.00
0.009	0.00	0.009	1.66	12.167	126.61	18.22	1.86	0.009	0.00
0.013	0.00	0.013	1.66	12.183	126.61	18.23	1.86	0.013	0.00
0.016	0.00	0.016	1.66	12.200	14.92	18.25	1.86	0.016	0.00
0.019	0.00	0.019	1.66	12.217	14.92	18.27	1.86	0.019	0.00
0.023	0.00	0.023	1.66	12.233	14.92	18.28	1.86	0.023	0.00
0.026	0.00	0.026	1.66	12.250	14.92	18.30	1.86	0.026	0.00
0.029	0.00	0.029	1.66	12.267	14.92	18.32	1.86	0.029	0.00
0.033	0.00	0.033	1.66	12.283	14.92	18.33	1.86	0.033	0.00
0.036	0.00	0.036	1.66	12.300	14.92	18.35	1.86	0.036	0.00
0.039	0.00	0.039	1.66	12.317	14.92	18.37	1.86	0.039	0.00
0.043	0.00	0.043	1.66	12.333	14.92	18.40	1.86	0.043	0.00
0.046	0.00	0.046	1.66	12.350	14.92	18.42	1.86	0.046	0.00
0.049	0.00	0.049	1.66	12.367	14.92	18.44	1.86	0.049	0.00
0.053	0.00	0.053	1.66	12.383	14.92	18.45	1.86	0.053	0.00
0.056	0.00	0.056	1.66	12.400	14.92	18.47	1.86	0.056	0.00
0.059	0.00	0.059	1.66	12.417	14.92	18.49	1.86	0.059	0.00
0.063	0.00	0.063	1.66	12.433	14.92	18.50	1.86	0.063	0.00
0.066	0.00	0.066	1.66	12.450	14.92	18.52	1.86	0.066	0.00
0.069	0.00	0.069	1.66	12.467	14.92	18.52	1.86	0.069	0.00
0.073	0.00	0.073	1.66	12.483	14.92	18.53	1.86	0.073	0.00
0.076	0.00	0.076	1.66	12.500	14.92	18.55	1.86	0.076	0.00
0.079	0.00	0.079	1.66	12.517	14.92	18.57	1.86	0.079	0.00
0.083	0.00	0.083	1.66	12.533	14.92	18.58	1.86	0.083	0.00
0.086	0.00	0.086	1.66	12.550	14.92	18.58	1.86	0.086	0.00
0.089	0.00	0.089	1.66	12.567	14.92	18.58	1.86	0.089	0.00

217

1.533	1.14	7.583	2.28	13.633	5.59	19.68	1.86
1.559	1.14	7.600	2.28	13.650	5.59	19.70	1.86
1.585	1.14	7.617	2.28	13.667	4.35	19.73	1.86
1.610	1.14	7.633	2.28	13.683	4.35	19.75	1.86
1.633	1.14	7.650	2.28	13.700	4.35	19.78	1.86
1.659	1.14	7.700	2.28	13.750	4.35	19.80	1.86
1.684	1.14	7.750	2.28	13.757	4.35	19.83	1.86
1.709	1.14	7.780	2.28	13.800	4.35	19.85	1.86
1.734	1.14	7.767	2.28	13.817	4.35	19.87	1.86
1.759	1.14	7.753	2.28	13.833	4.35	19.90	1.86
1.784	1.14	7.800	2.28	13.850	4.35	19.90	1.86
1.809	1.14	7.850	2.28	13.867	4.35	19.92	1.86
1.834	1.14	7.867	2.28	13.883	4.35	19.97	1.86
1.859	1.14	7.883	2.28	13.900	4.35	19.95	1.86
1.884	1.14	7.900	2.28	13.950	4.35	20.00	1.86
1.909	1.14	7.917	2.28	13.967	4.35	20.02	1.86
1.934	1.14	7.933	2.28	13.983	4.35	20.05	1.86
1.959	1.14	7.950	2.28	14.017	4.35	20.07	1.86
1.984	1.14	8.000	2.28	14.050	4.35	20.10	1.86
2.009	1.14	8.050	2.28	14.067	4.35	20.12	1.86
2.034	1.14	8.033	2.28	14.083	4.35	20.13	1.86
2.059	1.14	8.067	2.28	14.117	4.35	20.17	1.86
2.084	1.14	8.117	2.28	14.167	4.35	20.22	1.24
2.109	1.14	8.133	2.28	14.183	3.11	20.27	1.24
2.134	1.14	8.167	2.28	14.217	3.11	20.28	1.24
2.159	1.14	8.183	2.28	14.183	3.11	20.23	1.24
2.184	1.14	8.217	2.28	14.250	3.11	20.32	1.24
2.209	1.14	8.233	2.28	14.267	3.11	20.32	1.24
2.234	1.14	8.267	2.28	14.317	3.11	20.37	1.24
2.259	1.14	8.283	2.28	14.333	3.11	20.38	1.24
2.284	1.14	8.300	2.28	14.350	3.11	20.40	1.24
2.309	1.14	8.333	2.28	14.383	3.11	20.43	1.24
2.334	1.14	8.367	2.28	14.400	3.11	20.45	1.24
2.359	1.14	8.383	2.28	14.433	3.11	20.48	1.24
2.384	1.14	8.400	2.28	14.450	3.11	20.50	1.24
2.409	1.14	8.433	2.28	14.483	3.11	20.53	1.24
2.434	1.14	8.450	2.28	14.500	3.11	20.55	1.24
2.459	1.14	8.483	2.28	14.533	3.11	20.58	1.24
2.484	1.14	8.500	2.28	14.550	3.11	20.60	1.24
2.509	1.14	8.533	2.28	14.583	3.11	20.63	1.24
2.534	1.14	8.550	2.28	14.600	3.11	20.65	1.24
2.559	1.14	8.583	2.28	14.633	3.11	20.68	1.24
2.584	1.14	8.600	2.28	14.650	3.11	20.70	1.24
2.609	1.14	8.617	2.28	14.667	3.11	20.72	1.24
2.634	1.14	8.633	2.28	14.683	3.11	20.73	1.24

219

0.457	1.14	6.517	1.86	12.567	14.92	18.62	1.86
0.483	1.14	6.533	1.86	12.583	14.92	18.63	1.86
0.508	1.14	6.567	1.86	12.600	14.92	18.67	1.86
0.533	1.14	6.583	1.86	12.617	14.92	18.68	1.86
0.558	1.14	6.617	1.86	12.633	14.92	18.72	1.86
0.583	1.14	6.633	1.86	12.650	7.68	18.73	1.86
0.608	1.14	6.650	1.86	12.667	7.67	18.77	1.86
0.633	1.14	6.667	1.86	12.683	7.67	18.77	1.86
0.658	1.14	6.683	1.86	12.700	7.67	18.78	1.86
0.683	1.14	6.690	1.86	12.717	7.67	18.89	1.86
0.708	1.14	6.700	1.86	12.733	7.67	18.89	1.86
0.733	1.14	6.733	1.86	12.750	7.67	18.93	1.86
0.758	1.14	6.750	1.86	12.767	7.67	18.95	1.86
0.783	1.14	6.783	1.86	12.783	7.67	18.98	1.86
0.808	1.14	6.800	1.86	12.800	7.67	18.99	1.86
0.833	1.14	6.833	1.86	12.817	7.67	19.03	1.86
0.858	1.14	6.850	1.86	12.833	7.67	19.03	1.86
0.883	1.14	6.937	1.86	12.850	7.67	19.03	1.86
0.908	1.14	6.950	1.86	13.000	7.67	19.05	1.86
0.933	1.14	6.967	1.86	13.017	7.67	19.07	1.86
0.958	1.14	6.983	1.86	13.033	7.67	19.12	1.86
0.983	1.14	7.017	1.86	13.050	7.67	19.12	1.86
1.008	1.14	7.033	1.86	13.067	7.67	19.15	1.86
1.033	1.14	7.050	1.86	13.083	7.67	19.15	1.86
1.058	1.14	7.067	1.86	13.100	7.67	19.17	1.86
1.083	1.14	7.083	1.86	13.117	7.67	19.17	1.86
1.108	1.14	7.111	1.86	13.133	7.67	19.20	1.86
1.133	1.14	7.128	1.86	13.150	7.67	19.20	1.86
1.158	1.14	7.150	1.86	13.167	7.67	19.20	1.86
1.183	1.14	7.167	1.86	13.183	5.59	19.25	1.86
1.208	1.14	7.183	1.86	13.200	5.59	19.25	1.86
1.233	1.14	7.200	1.86	13.217	5.59	19.27	1.86
1.258	1.14	7.217	1.86	13.233	5.59	19.30	1.86
1.283	1.14	7.233	1.86	13.250	5.59	19.32	1.86
1.308	1.14	7.250	1.86	13.267	5.59	19.32	1.86
1.333	1.14	7.267	1.86	13.283	5.59	19.37	1.86
1.358	1.14	7.283	1.86	13.300	5.59	19.38	1.86
1.383	1.14	7.311	1.86	13.317	5.59	19.42	1.86
1.408	1.14	7.333	1.86	13.333	5.59	19.42	1.86
1.433	1.14	7.350	1.86	13.350	5.59	19.43	1.86
1.458	1.14	7.367	1.86	13.367	5.59	19.47	1.86
1.483	1.14	7.383	1.86	13.383	5.59	19.47	1.86
1.508	1.14	7.411	1.86	13.400	5.59	19.48	1.86
1.533	1.14	7.428	1.86	13.417	5.59	19.48	1.86
1.558	1.14	7.444	1.86	13.433	5.59	19.52	1.86
1.583	1.14	7.467	1.86	13.450	5.59	19.52	1.86
1.608	1.14	7.483	1.86	13.467	5.59	19.57	1.86
1.633	1.14	7.500	1.86	13.483	5.59	19.57	1.86
1.658	1.14	7.517	1.86	13.500	5.59	19.58	1.86
1.683	1.14	7.533	1.86	13.517	5.59	19.62	1.86
1.708	1.14	7.550	1.86	13.533	5.59	19.62	1.86
1.733	1.14	7.567	1.86	13.550	5.59	19.63	1.86
1.758	1.14	7.583	1.86	13.567	5.59	19.67	1.86
1.783	1.14	7.600	1.86	13.583	5.59	19.67	1.86
1.808	1.14	7.617	1.86	13.600	5.59	19.71	1.86
1.833	1.14	7.633	1.86	13.617	5.59	19.71	1.86
1.858	1.14	7.650	1.86	13.633	5.59	19.75	1.86
1.883	1.14	7.667	1.86	13.650	5.59	19.75	1.86
1.908	1.14	7.683	1.86	13.667	5.59	19.78	1.86
1.933	1.14	7.700	1.86	13.683	5.59	19.78	1.86
1.958	1.14	7.717	1.86	13.700	5.59	19.82	1.86
1.983	1.14	7.733	1.86	13.717	5.59	19.82	1.86
2.008	1.14	7.750	1.86	13.733	5.59	19.86	1.86
2.033	1.14	7.767	1.86	13.750	5.59	19.86	1.86
2.058	1.14	7.783	1.86	13.767	5.59	19.90	1.86
2.083	1.14	7.800	1.86	13.783	5.59	19.90	1.86
2.108	1.14	7.817	1.86	13.800	5.59	19.94	1.86
2.133	1.14	7.833	1.86	13.817	5.59	19.94	1.86
2.158	1.14	7.850	1.86	13.833	5.59	19.98	1.86
2.183	1.14	7.867	1.86	13.850	5.59	19.98	1.86
2.208	1.14	7.883	1.86	13.867	5.59	20.02	1.86
2.233	1.14	7.900	1.86	13.883	5.59	20.02	1.86
2.258	1.14	7.917	1.86	13.900	5.59	20.06	1.86
2.283	1.14	7.933	1.86	13.917	5.59	20.06	1.86
2.308	1.14	7.950	1.86	13.933	5.59	20.10	1.86
2.333	1.14	7.967	1.86	13.950	5.59	20.10	1.86
2.358	1.14	7.983	1.86	13.967	5.59	20.14	1.86
2.383	1.14	8.000	1.86	13.983	5.59	20.14	1.86
2.408	1.14	8.017	1.86	14.000	5.59	20.18	1.86
2.433	1.14	8.033	1.86	14.017	5.59	20.18	1.86
2.458	1.14	8.050	1.86	14.033	5.59	20.22	1.86
2.483	1.14	8.067	1.86	14.050	5.59	20.22	1.86
2.508	1.14	8.083	1.86	14.067	5.59	20.26	1.86
2.533	1.14	8.100	1.86	14.083	5.59	20.26	1.86
2.558	1.14	8.117	1.86	14.100	5.59	20.30	1.86
2.583	1.14	8.133	1.86	14.117	5.59	20.30	1.86
2.608	1.14	8.150	1.86	14.133	5.59	20.34	1.86
2.633	1.14	8.167	1.86	14.150	5.59	20.34	1.86
2.658	1.14	8.183	1.86	14.167	5.59	20.38	1.86
2.683	1.14	8.200	1.86	14.183	5.59	20.38	1.86
2.708	1.14	8.217	1.86	14.200	5.59	20.42	1.86
2.733	1.14	8.233	1.86	14.217	5.59	20.42	1.86
2.758	1.14	8.250	1.86	14.233	5.59	20.46	1.86
2.783	1.14	8.267	1.86	14.250	5.59	20.46	1.86
2.808	1.14	8.283	1.86	14.267	5.59	20.50	1.86
2.833	1.14	8.300	1.86	14.283	5.59	20.50	1.86
2.858	1.14	8.317	1.86	14.300	5.59	20.54	1.86
2.883	1.14	8.333	1.86	14.317	5.59	20.54	1.86
2.908	1.14	8.350	1.86	14.333	5.59	20.58	1.86
2.933	1.14	8.367	1.86	14.350	5.59	20.58	1.86
2.958	1.14	8.383	1.86	14.367	5.59	20.62	1.86
2.983	1.14	8.400	1.86	14.383	5.59	20.62	1.86
3.008	1.14	8.417	1.86	14.400	5.59	20.66	1.86
3.033	1.14	8.433	1.86	14.417	5.59	20.66	1.86
3.058	1.14	8.450	1.86	14.433	5.59	20.70	1.86
3.083	1.14	8.467	1.86	14.450	5.59	20.70	1.86
3.108	1.14	8.483	1.86	14.467	5.59	20.74	1.86
3.133	1.14	8.500	1.86	14.483	5.59	20.74	1.86
3.158	1.14	8.517	1.86	14.500	5.59	20.78	1.86
3.183	1.14	8.533	1.86	14.517	5.59	20.78	1.86
3.208	1.14	8.550	1.86	14.533	5.59	20.82	1.86
3.233	1.14	8.567	1.86	14.550	5.59	20.82	1.86
3.258	1.14	8.583	1.86	14.567	5.59	20.86	1.86
3.283	1.14	8.600	1.86	14.583	5.59	20.86	1.86
3.308	1.14	8.617	1.86	14.600	5.59	20.90	1.86
3.333	1.14	8.633	1.86	14.617	5.59	20.90	1.86
3.358	1.14	8.650	1.86	14.633	5.59	20.94	1.86
3.383	1.14	8.667	1.86	14.650	5.59	20.94	1.86
3.408	1.14	8.683	1.86	14.667	5.59	20.98	1.86
3.433	1.14	8.700	1.86	14.683	5.59	20.98	1.86
3.458	1.14	8.717	1.86	14.700	5.59	21.02	1.86
3.483	1.14	8.733	1.86	14.717	5.59	21.02	1.86
3.508	1.14	8.750	1.86	14.733	5.59	21.06	1.86
3.533	1.14	8.767	1.86	14.750	5.59	21.06	1.86
3.558	1.14	8.783	1.86	14.767	5.59	21.10	1.86
3.583	1.14	8.800	1.86	14.783	5.59	21.10	1.86
3.608	1.14	8.817	1.86	14.800	5.59	21.14	1.86
3.633	1.14	8.833	1.86	14.817	5.59	21.14	1.86
3.658	1.14	8.850	1.86	14.833	5.59	21.18	1.86
3.683	1.14	8.867	1.86	14.850	5.59	21.18	1.86
3.708	1.14	8.883	1.86	14.867	5.59	21.22	1.86
3.733	1.14	8.900	1.86	14.883	5.59	21.22	1.86
3.758	1.14	8.917	1.86	14.900	5.59	21.26	1.86
3.783	1.14	8.933	1.86	14.917	5.59	21.26	1.86
3.808	1.14	8.950	1.86	14.933	5.59	21.30	1.86
3.833	1.14	8.967	1.86	14.950	5.59	21.30	1.86
3.858	1.14	8.983	1.86	14.967	5.59	21.34	1.86
3.883	1.14	9.000	1.86	14.983	5.59	21.34	1.86
3.908	1.14	9.017	1.86	15.000	5.59	21.38	1.86
3.933	1.14	9.033	1.86	15.017	5.59	21.38	1.86
3.958	1.14	9.050	1.86	15.033	5.59	21.42	1.86
3.983	1.14	9.067	1.86	15.050	5.59	21.42	1.86
4.008	1.14	9.083	1.86	15.067	5.59	21.46	1.86
4.033	1.14	9.100	1.86	15.083	5.59	21.46	1.86
4.058	1.14	9.117	1.86	15.100	5.59	21.50	1.86
4.083	1.14	9.133	1.86	15.117	5.59	21.50	1.86
4.108	1.14	9.150	1.86	15.133	5.59	21.54	1.86
4.133	1.14	9.167	1.86	15.150	5.59	21.54	1.86
4.158	1.14	9.183	1.86	15.167	5.59	21.58	1.86
4.183	1.14	9.200	1.86	15.183	5.59	21.58	1.86
4.208	1.14	9.217	1.86	15.200	5.59	21.62	1.86
4.233	1.14	9.233	1.86	15.217	5.59	21.62	1.86
4.258	1.14	9.250	1.86	15.233	5.59	21.	

3.667	1.35	9.717	3.73	15.767	3.11	21.82	1.24
3.668	1.35	9.783	3.73	15.783	3.11	21.83	1.24
3.669	1.35	9.783	3.73	15.783	3.11	21.83	1.24
3.717	1.35	9.767	3.73	15.817	3.11	21.82	1.24
3.718	1.35	9.783	3.73	15.833	3.11	21.88	1.24
3.767	1.35	9.817	3.73	15.867	3.11	21.92	1.24
3.768	1.35	9.817	3.73	15.867	3.11	21.92	1.24
3.783	1.35	9.883	3.73	15.883	3.11	21.93	1.24
3.784	1.35	9.883	3.73	15.883	3.11	21.93	1.24
3.807	1.35	9.867	3.73	15.917	3.11	21.97	1.24
3.808	1.35	9.867	3.73	15.917	3.11	21.97	1.24
3.833	1.35	9.883	3.73	15.933	3.11	21.98	1.24
3.834	1.35	9.883	3.73	15.933	3.11	21.98	1.24
3.859	1.35	9.909	3.73	15.959	3.11	22.00	1.24
3.860	1.35	9.909	3.73	15.959	3.11	22.00	1.24
3.883	1.35	9.933	3.73	15.983	3.11	22.03	1.24
3.884	1.35	9.933	3.73	15.983	3.11	22.03	1.24
3.909	1.35	9.909	3.73	16.009	3.11	22.05	1.24
3.910	1.35	9.909	3.73	16.009	3.11	22.05	1.24
3.933	1.35	9.933	3.73	16.033	3.11	22.08	1.24
3.934	1.35	9.933	3.73	16.033	3.11	22.08	1.24
3.959	1.35	10.009	3.73	16.059	3.11	22.10	1.24
3.960	1.35	10.009	3.73	16.059	3.11	22.10	1.24
4.009	1.35	10.059	3.73	16.109	3.11	22.15	1.24
4.010	1.35	10.059	3.73	16.109	3.11	22.15	1.24
4.069	1.35	10.109	3.73	16.159	3.11	22.20	1.24
4.070	1.35	10.109	3.73	16.159	3.11	22.20	1.24
4.093	1.35	10.133	3.73	16.183	3.11	22.23	1.24
4.094	1.35	10.133	3.73	16.183	3.11	22.23	1.24
4.109	1.35	10.159	3.73	16.209	1.86	22.25	1.24
4.110	1.35	10.159	3.73	16.209	1.86	22.25	1.24
4.117	1.35	10.167	3.73	16.217	1.86	22.26	1.24
4.118	1.35	10.167	3.73	16.217	1.86	22.26	1.24
4.167	1.35	10.217	4.77	16.267	1.86	22.32	1.24
4.168	1.35	10.217	4.77	16.267	1.86	22.32	1.24
4.199	1.35	10.289	4.77	16.259	1.86	22.30	1.24
4.200	1.35	10.289	4.77	16.259	1.86	22.30	1.24
4.269	1.66	10.259	4.77	16.399	1.86	22.35	1.24
4.270	1.66	10.259	4.77	16.399	1.86	22.35	1.24
4.299	1.66	10.317	4.77	16.357	1.86	22.40	1.24
4.300	1.66	10.317	4.77	16.357	1.86	22.40	1.24
4.309	1.66	10.359	4.77	16.409	1.86	22.45	1.24
4.310	1.66	10.359	4.77	16.409	1.86	22.45	1.24
4.317	1.66	10.367	4.77	16.417	1.86	22.47	1.24
4.318	1.66	10.367	4.77	16.417	1.86	22.47	1.24
4.369	1.66	10.499	4.77	16.453	1.86	22.49	1.24
4.370	1.66	10.499	4.77	16.453	1.86	22.49	1.24
4.387	1.66	10.417	4.77	16.467	1.86	22.52	1.24
4.388	1.66	10.417	4.77	16.467	1.86	22.52	1.24
4.393	1.66	10.433	4.77	16.483	1.86	22.55	1.24
4.394	1.66	10.433	4.77	16.483	1.86	22.55	1.24
4.417	1.66	10.467	4.77	16.517	1.86	22.57	1.24
4.418	1.66	10.467	4.77	16.517	1.86	22.57	1.24
4.433	1.66	10.483	4.77	16.533	1.86	22.58	1.24
4.434	1.66	10.483	4.77	16.533	1.86	22.58	1.24
4.467	1.66	10.517	4.77	16.567	1.86	22.62	1.24
4.468	1.66	10.517	4.77	16.567	1.86	22.62	1.24
4.483	1.66	10.533	4.77	16.583	1.86	22.63	1.24
4.484	1.66	10.533	4.77	16.583	1.86	22.63	1.24
4.517	1.66	10.567	4.77	16.617	1.86	22.67	1.24
4.518	1.66	10.567	4.77	16.617	1.86	22.67	1.24
4.533	1.66	10.583	4.77	16.633	1.86	22.68	1.24
4.534	1.66	10.583	4.77	16.633	1.86	22.68	1.24
4.569	1.66	10.617	4.77	16.659	1.86	22.72	1.24
4.570	1.66	10.617	4.77	16.659	1.86	22.72	1.24
4.593	1.66	10.633	4.77	16.683	1.86	22.73	1.24
4.594	1.66	10.633	4.77	16.683	1.86	22.73	1.24
4.607	1.66	10.667	4.77	16.717	1.86	22.77	1.24
4.608	1.66	10.667	4.77	16.717	1.86	22.77	1.24
4.633	1.66	10.683	4.77	16.743	1.86	22.78	1.24
4.634	1.66	10.683	4.77	16.743	1.86	22.78	1.24
4.657	1.66	10.717	6.42	16.759	1.86	22.82	1.24
4.658	1.66	10.717	6.42	16.759	1.86	22.82	1.24
4.683	1.66	10.733	6.42	16.783	1.86	22.83	1.24
4.684	1.66	10.733	6.42	16.783	1.86	22.83	1.24
4.709	1.66	10.759	6.42	16.809	1.86	22.85	1.24
4.710	1.66	10.759	6.42	16.809	1.86	22.85	1.24
4.717	1.66	13.707	6.42	16.817	1.86	22.97	1.24

221

4.733	1.66	10.783	6.42	16.833	1.86	22.98	1.24
4.734	1.66	10.783	6.42	16.833	1.86	22.98	1.24
4.759	1.66	10.809	6.42	16.859	1.86	22.99	1.24
4.760	1.66	10.809	6.42	16.859	1.86	22.99	1.24
4.783	1.66	10.833	6.42	16.883	1.86	23.01	1.24
4.784	1.66	10.833	6.42	16.883	1.86	23.01	1.24
4.809	1.66	10.859	6.42	16.909	1.86	23.03	1.24
4.810	1.66	10.859	6.42	16.909	1.86	23.03	1.24
4.833	1.66	10.883	6.42	16.933	1.86	23.05	1.24
4.834	1.66	10.883	6.42	16.933	1.86	23.05	1.24
4.859	1.66	10.909	6.42	16.959	1.86	23.06	1.24
4.860	1.66	10.909	6.42	16.959	1.86	23.06	1.24
4.883	1.66	10.933	6.42	16.983	1.86	23.08	1.24
4.884	1.66	10.933	6.42	16.983	1.86	23.08	1.24
4.909	1.66	10.959	6.42	17.009	1.86	23.09	1.24
4.910	1.66	10.959	6.42	17.009	1.86	23.09	1.24
4.933	1.66	10.983	6.42	17.033	1.86	23.11	1.24
4.934	1.66	10.983	6.42	17.033	1.86	23.11	1.24
4.959	1.66	11.009	6.42	17.059	1.86	23.12	1.24
4.960	1.66	11.009	6.42	17.059	1.86	23.12	1.24
4.983	1.66	11.033	6.42	17.083	1.86	23.14	1.24
4.984	1.66	11.033	6.42	17.083	1.86	23.14	1.24
5.009	1.66	11.059	6.42	17.109	1.86	23.15	1.24
5.010	1.66	11.059	6.42	17.109	1.86	23.15	1.24
5.033	1.66	11.083	6.42	17.133	1.86	23.17	1.24
5.034	1.66	11.083	6.42	17.133	1.86	23.17	1.24
5.059	1.66	11.109	6.42	17.159	1.86	23.18	1.24
5.060	1.66	11.109	6.42	17.159	1.86	23.18	1.24
5.083	1.66	11.133	6.42	17.183	1.86	23.20	1.24
5.084	1.66	11.133	6.42	17.183	1.86	23.20	1.24
5.109	1.66	11.159	6.42	17.209	1.86	23.22	1.24
5.110	1.66	11.159	6.42	17.209	1.86	23.22	1.24
5.133	1.66	11.183	6.42	17.233	1.86	23.24	1.24
5.134	1.66	11.183	6.42	17.233	1.86	23.24	1.24
5.159	1.66	11.209	6.42	17.259	1.86	23.25	1.24
5.160	1.66	11.209	6.42	17.259	1.86	23.25	1.24
5.183	1.66	11.233	6.42	17.283	1.86	23.27	1.24
5.184	1.66	11.233	6.42	17.283	1.86	23.27	1.24
5.209	1.66	11.259	6.42	17.309	1.86	23.28	1.24
5.210	1.66	11.259	6.42	17.309	1.86	23.28	1.24
5.233	1.66	11.283	6.42	17.333	1.86	23.30	1.24
5.234	1.66	11.283	6.42	17.333	1.86	23.30	1.24
5.259	1.66	11.309	6.42	17.359	1.86	23.31	1.24
5.260	1.66	11.309	6.42	17.359	1.86	23.31	1.24
5.283	1.66	11.333	6.42	17.383	1.86	23.33	1.24
5.284	1.66	11.333	6.42	17.383	1.86	23.33	1.24
5.309	1.66	11.359	6.42	17.409	1.86	23.34	1.24
5.310	1.66	11.359	6.42	17.409	1.86	23.34	1.24
5.333	1.66	11.383	6.42	17.433	1.86	23.36	1.24
5.334	1.66	11.383	6.42	17.433	1.86	23.36	1.24
5.359	1.66	11.409	6.42	17.459	1.86	23.37	1.24
5.360	1.66	11.409	6.42	17.459	1.86	23.37	1.24
5.383	1.66	11.433	6.42	17.483	1.86	23.39	1.24
5.384	1.66	11.433	6.42	17.483	1.86	23.39	1.24
5.409	1.66	11.459	6.42	17.509	1.86	23.40	1.24
5.410	1.66	11.459	6.42	17.509	1.86	23.40	1.24
5.433	1.66	11.483	6.42	17.533	1.86	23.42	1.24
5.434	1.66	11.483	6.42	17.533	1.86	23.42	1.24
5.459	1.66	11.509	6.42	17.559	1.86	23.43	1.24
5.460	1.66	11.509	6.42	17.559	1.86	23.43	1.24
5.483	1.66	11.533	6.42	17.583	1.86	23.45	1.24
5.484	1.66	11.533	6.42	17.583	1.86	23.45	1.24
5.509	1.66	11.559	6.42	17.609	1.86	23.46	1.24
5.510	1.66	11.559	6.42	17.609	1.86	23.46	1.24
5.533	1.66	11.583	6.42	17.633	1.86	23.48	1.24
5.534	1.66	11.583	6.42	17.633	1.86	23.48	1.24
5.559	1.66	11.609	6.42	17.659	1.86	23.49	1.24
5.560	1.66	11.609	6.42	17.659	1.86	23.49	1.24
5.583	1.66	11.633	6.42	17.683	1.86	23.51	1.24
5.584	1.66	11.633	6.42	17.683	1.86	23.51	1.24
5.609	1.66	11.659	6.42	17.709	1.86	23.52	1.24
5.610	1.66	11.659	6.42	17.709	1.86	23.52	1.24
5.633	1.66	11.683	6.42	17.733	1.86	23.54	1.24
5.634	1.66	11.683	6.42	17.733	1.86	23.54	1.24
5.659	1.66	11.709	6.42	17.759	1.86	23.55	1.24
5.660	1.66	11.709	6.42	17.759	1.86	23.55	1.24
5.683	1.66	11.733	6.42	17.783	1.86	23.57	1.24
5.684	1.66	11.733	6.42	17.783	1.86	23.57	1.24
5.709	1.66	11.759	6.42	17.809	1.86	23.58	1.24
5.710	1.66	11.759	6.42	17.809	1.86	23.58	1.24
5.733	1.66	11.783	6.42	17.833	1.86	23.60	1.24
5.734	1.66	11.783	6.42	17.833	1.86	23.60	1.24
5.759	1.66	11.809	6.42	17.859	1.86	23.61	1.24
5.760	1.66	11.809	6.42	17.859	1.86	23.61	1.24
5.783	1.66	11.833	6.42	17.883	1.86	23.63	1.24
5.784	1.66	11.833	6.42	17.883	1.86	23.63	1.24
5.809	1.66	11.859	6.42	17.909	1.86	23.64	1.24
5.810	1.66	11.859	6.42	17.909	1.86	23.64	1.24
5.833	1.66	11.883	6.42	17.933	1.86	23.66	1.24
5.834	1.66	11.883	6.42	17.933	1.86	23.66	1.24
5.859	1.66	11.909	6.42	17.959	1.86	23.67	1.24
5.860	1.66	11.909	6.42	17.959	1.86	23.67	1.24
5.883	1.66	11.933	6.42	17.983	1.86	23.69	1.24
5.884	1.66	11.933	6.42	17.983	1.86	23.69	1.24
5.909	1.66	11.959	6.42	18.009	1.86	23.70	1.24
5.910	1.66	11.959	6.42	18.009	1.86	23.70	1.24
5.933	1.66	11.983	6.42	18.033	1.86	23.72	1.24
5.934	1.66	11.983	6.42	18.033	1.86	23.72	1.24
5.959	1.66	12.009	6.42	18.059	1.86	23.73	1.24
5.960	1.66	12.009	6.42	18.059	1.86	23.73	1.24
5.983	1.66	12.033	6.42	18.083	1.86	23.75	1.24
5.984	1.66	12.033	6.42	18.083	1.86	23.75	1.24
6.009	1.66	12.059	6.42	18.109	1.86	23.76	1.24
6.010	1.66	12.059	6.42	18.109	1.86	23.76	1.24
6.033	1.66	12.083	6.42	18.133	1.86	23.78	1.24
6.034	1.66	12.083	6.42	18.133	1.86	23.78	1.24
6.059	1.66	12.109	6.42	18.159	1.86	23.79	1.24
6.060	1.66	12.109	6.42	18.159	1.86	23.79	1.24
6.083	1.66	12.133	6.42	18.183	1.86	23.81	1.24
6.084	1.66	12.133	6.42	18.183	1.86	23.81	1.24
6.109	1.66	12.159	6.42	18.209	1.86	23.82	1.24
6.110	1.66	12.159	6.42	18.209	1.86	23.82	1.24
6.133	1.66	12.183	6.42	18.233	1.86	23.84	1.24
6.134	1.66	12.183	6.42	18.233	1.86	23.84	1.24
6.159	1.66	12.209	6.42	18.259	1.86	23.85	1.24
6.160	1.66	12.209	6.42	18.259	1.86	23.85	1.24
6.183	1.66	12.233	6.42	18.283	1.86	23.87	1.24
6.184	1.66	12.233	6.42	18.283	1.86	23.87	1.24
6.209	1.66	12.259	6.42	18.309	1.86	23.88	1.24
6.210	1.66	12.259	6.42	18.309	1.86	23.88	1.24
6.233	1.66	12.283	6.42	18.333	1.86	23.90	1.24
6.234	1.66	12.283	6.42	18.333	1.86	23.90	1.24
6.259	1.66	12.309	6.42	18.359	1.86	23.91	1.24
6.260	1.66	12.309	6.42	18.359	1.86	23.91	1.24
6.283	1.66	12.333	6.42	18.383	1.86	23.93	1.24
6.284	1.66	12.333	6.42	18.383	1.86	23.93	1.24
6.309	1.66	12.359	6.42	18.409	1.86	23.94	1.24
6.310	1.66	12.359	6.42	18.409	1.86	23.94	1.24
6.333	1.66	12.383	6.42	18.433	1.86	23.96	1.24
6.334	1.66	12.383	6.42	18.433	1.86	23.96	1.24
6.359	1.66	12.409	6.42	18.459	1.86	23.97	1.24
6.360	1.66	12.409	6.42	18.459	1.86	23.97	1.24
6.383	1.66	12.433	6.42	18.483	1.86	23.99	1.24
6.384	1.66	12.433	6.42	18.483	1.86	23.99	1.24
6.409	1.66	12.459	6.42	18.509	1.86	24.00	1.24
6.410	1.66	12.459	6.42	18.509	1.86	24.00	1.24
6.433	1.66	12.483	6.42	18.533	1.86	24.02	1.24
6.434	1.66	12.483	6.42	18.533	1.86	24.02	1.24
6.459	1.66	12.509	6.42	18.559	1.86	24.03	1.24
6.460	1.66	12.509	6.42	18.559	1.86	24.03	1.24
6.483	1.66	12.533	6.42	18.583	1.86	24.05	1.24
6.484	1.66	12.533	6.42	18.583	1.86	24.05	1.24
6.509	1.66	12.559	6.42	18.609	1.86	24.06	1.24
6.510	1.66	12.559	6.42	18.609	1.86	24.06	1.24
6.533	1.66	12.583	6.42	18.633	1.86	24.08	1.24
6.534	1.66	12.583	6.42	18.633	1.86	24.08	1.24
6.559	1.66	12.609	6.42	18.659	1.86	24.09	1.24
6.560	1.66	12.609	6.42	18.659	1.86	24.09	1.24
6.583	1.66	12.633	6.42	18.683	1.86	24.11	1.24
6.584	1.66	12.633	6.42	18.683	1.86	24.11	1.24
6.609	1.66	12.659	6.42	18.709	1.86	24.12	1.24

1.383	1.14	7.433	2.28	13.483	5.59	19.53	1.86	1.24
1.409	1.14	7.459	2.28	13.509	5.59	19.55	1.86	1.24
1.435	1.14	7.485	2.28	13.535	5.59	19.56	1.86	1.24
1.461	1.14	7.511	2.28	13.561	5.59	19.57	1.86	1.24
1.487	1.14	7.537	2.28	13.587	5.59	19.58	1.86	1.24
1.513	1.14	7.563	2.28	13.613	5.59	19.59	1.86	1.24
1.539	1.14	7.589	2.28	13.639	5.59	19.60	1.86	1.24
1.565	1.14	7.615	2.28	13.665	5.59	19.61	1.86	1.24
1.591	1.14	7.641	2.28	13.691	5.59	19.62	1.86	1.24
1.617	1.14	7.667	2.28	13.717	5.59	19.63	1.86	1.24
1.643	1.14	7.693	2.28	13.743	5.59	19.64	1.86	1.24
1.669	1.14	7.719	2.28	13.769	5.59	19.65	1.86	1.24
1.695	1.14	7.745	2.28	13.795	5.59	19.66	1.86	1.24
1.721	1.14	7.771	2.28	13.821	5.59	19.67	1.86	1.24
1.747	1.14	7.797	2.28	13.847	5.59	19.68	1.86	1.24
1.773	1.14	7.823	2.28	13.873	5.59	19.69	1.86	1.24
1.799	1.14	7.849	2.28	13.899	5.59	19.70	1.86	1.24
1.825	1.14	7.875	2.28	13.925	5.59	19.71	1.86	1.24
1.851	1.14	7.901	2.28	13.951	5.59	19.72	1.86	1.24
1.877	1.14	7.927	2.28	13.977	5.59	19.73	1.86	1.24
1.903	1.14	7.953	2.28	14.003	5.59	19.74	1.86	1.24
1.929	1.14	7.979	2.28	14.029	5.59	19.75	1.86	1.24
1.955	1.14	8.005	2.28	14.055	5.59	19.76	1.86	1.24
1.981	1.14	8.031	2.28	14.081	5.59	19.77	1.86	1.24
2.007	1.14	8.057	2.28	14.107	5.59	19.78	1.86	1.24
2.033	1.14	8.083	2.28	14.133	5.59	19.79	1.86	1.24
2.059	1.14	8.109	2.28	14.159	5.59	19.80	1.86	1.24
2.085	1.14	8.135	2.28	14.185	5.59	19.81	1.86	1.24
2.111	1.14	8.161	2.28	14.211	5.59	19.82	1.86	1.24
2.137	1.14	8.187	2.28	14.237	5.59	19.83	1.86	1.24
2.163	1.14	8.213	2.28	14.263	5.59	19.84	1.86	1.24
2.189	1.14	8.239	2.28	14.289	5.59	19.85	1.86	1.24
2.215	1.14	8.265	2.28	14.315	5.59	19.86	1.86	1.24
2.241	1.14	8.291	2.28	14.341	5.59	19.87	1.86	1.24
2.267	1.14	8.317	2.28	14.367	5.59	19.88	1.86	1.24
2.293	1.14	8.343	2.28	14.393	5.59	19.89	1.86	1.24
2.319	1.14	8.369	2.28	14.419	5.59	19.90	1.86	1.24
2.345	1.14	8.395	2.28	14.445	5.59	19.91	1.86	1.24
2.371	1.14	8.421	2.28	14.471	5.59	19.92	1.86	1.24
2.397	1.14	8.447	2.28	14.497	5.59	19.93	1.86	1.24
2.423	1.14	8.473	2.28	14.523	5.59	19.94	1.86	1.24
2.449	1.14	8.499	2.28	14.549	5.59	19.95	1.86	1.24
2.475	1.14	8.525	2.28	14.575	5.59	19.96	1.86	1.24
2.501	1.14	8.551	2.28	14.601	5.59	19.97	1.86	1.24
2.527	1.14	8.577	2.28	14.627	5.59	19.98	1.86	1.24
2.553	1.14	8.603	2.28	14.653	5.59	19.99	1.86	1.24
2.579	1.14	8.629	2.28	14.679	5.59	20.00	1.86	1.24
2.605	1.14	8.655	2.28	14.705	5.59	20.01	1.86	1.24
2.631	1.14	8.681	2.28	14.731	5.59	20.02	1.86	1.24
2.657	1.14	8.707	2.28	14.757	5.59	20.03	1.86	1.24
2.683	1.14	8.733	2.28	14.783	5.59	20.04	1.86	1.24
2.709	1.14	8.759	2.28	14.809	5.59	20.05	1.86	1.24
2.735	1.14	8.785	2.28	14.835	5.59	20.06	1.86	1.24
2.761	1.14	8.811	2.28	14.861	5.59	20.07	1.86	1.24
2.787	1.14	8.837	2.28	14.887	5.59	20.08	1.86	1.24
2.813	1.14	8.863	2.28	14.913	5.59	20.09	1.86	1.24
2.839	1.14	8.889	2.28	14.939	5.59	20.10	1.86	1.24
2.865	1.14	8.915	2.28	14.965	5.59	20.11	1.86	1.24
2.891	1.14	8.941	2.28	14.991	5.59	20.12	1.86	1.24
2.917	1.14	8.967	2.28	15.017	5.59	20.13	1.86	1.24
2.943	1.14	8.993	2.28	15.043	5.59	20.14	1.86	1.24
2.969	1.14	9.019	2.28	15.069	5.59	20.15	1.86	1.24
2.995	1.14	9.045	2.28	15.095	5.59	20.16	1.86	1.24
3.021	1.14	9.071	2.28	15.121	5.59	20.17	1.86	1.24
3.047	1.14	9.097	2.28	15.147	5.59	20.18	1.86	1.24
3.073	1.14	9.123	2.28	15.173	5.59	20.19	1.86	1.24
3.099	1.14	9.149	2.28	15.199	5.59	20.20	1.86	1.24
3.125	1.14	9.175	2.28	15.225	5.59	20.21	1.86	1.24
3.151	1.14	9.201	2.28	15.251	5.59	20.22	1.86	1.24
3.177	1.14	9.227	2.28	15.277	5.59	20.23	1.86	1.24
3.203	1.14	9.253	2.28	15.303	5.59	20.24	1.86	1.24
3.229	1.14	9.279	2.28	15.329	5.59	20.25	1.86	1.24
3.255	1.14	9.305	2.28	15.355	5.59	20.26	1.86	1.24
3.281	1.14	9.331	2.28	15.381	5.59	20.27	1.86	1.24
3.307	1.14	9.357	2.28	15.407	5.59	20.28	1.86	1.24
3.333	1.14	9.383	2.28	15.433	5.59	20.29	1.86	1.24
3.359	1.14	9.409	2.28	15.459	5.59	20.30	1.86	1.24
3.385	1.14	9.435	2.28	15.485	5.59	20.31	1.86	1.24
3.411	1.14	9.461	2.28	15.511	5.59	20.32	1.86	1.24
3.437	1.14	9.487	2.28	15.537	5.59	20.33	1.86	1.24
3.463	1.14	9.513	2.28	15.563	5.59	20.34	1.86	1.24
3.489	1.14	9.539	2.28	15.589	5.59	20.35	1.86	1.24
3.515	1.14	9.565	2.28	15.615	5.59	20.36	1.86	1.24
3.541	1.14	9.591	2.28	15.641	5.59	20.37	1.86	1.24
3.567	1.14	9.617	2.28	15.667	5.59	20.38	1.86	1.24
3.593	1.14	9.643	2.28	15.693	5.59	20.39	1.86	1.24
3.619	1.14	9.669	2.28	15.719	5.59	20.40	1.86	1.24
3.645	1.14	9.695	2.28	15.745	5.59	20.41	1.86	1.24
3.671	1.14	9.721	2.28	15.771	5.59	20.42	1.86	1.24
3.697	1.14	9.747	2.28	15.797	5.59	20.43	1.86	1.24
3.723	1.14	9.773	2.28	15.823	5.59	20.44	1.86	1.24
3.749	1.14	9.799	2.28	15.849	5.59	20.45	1.86	1.24
3.775	1.14	9.825	2.28	15.875	5.59	20.46	1.86	1.24
3.801	1.14	9.851	2.28	15.901	5.59	20.47	1.86	1.24
3.827	1.14	9.877	2.28	15.927	5.59	20.48	1.86	1.24
3.853	1.14	9.903	2.28	15.953	5.59	20.49	1.86	1.24
3.879	1.14	9.929	2.28	15.979	5.59	20.50	1.86	1.24
3.905	1.14	9.955	2.28	16.005	5.59	20.51	1.86	1.24
3.931	1.14	9.981	2.28	16.031	5.59	20.52	1.86	1.24
3.957	1.14	10.007	2.28	16.057	5.59	20.53	1.86	1.24
3.983	1.14	10.033	2.28	16.083	5.59	20.54	1.86	1.24
4.009	1.14	10.059	2.28	16.109	5.59	20.55	1.86	1.24
4.035	1.14	10.085	2.28	16.135	5.59	20.56	1.86	1.24
4.061	1.14	10.111	2.28	16.161	5.59	20.57	1.86	1.24
4.087	1.14	10.137	2.28	16.187	5.59	20.58	1.86	1.24
4.113	1.14	10.163	2.28	16.213	5.59	20.59	1.86	1.24
4.139	1.14	10.189	2.28	16.239	5.59	20.60	1.86	1.24
4.165	1.14	10.215	2.28	16.265	5.59	20.61	1.86	1.24
4.191	1.14	10.241	2.28	16.291	5.59	20.62	1.86	1.24
4.217	1.14	10.267	2.28	16.317	5.59	20.63	1.86	1.24
4.243	1.14	10.293	2.28	16.343	5.59	20.64	1.86	1.24
4.269	1.14	10.319	2.28	16.369	5.59	20.65	1.86	1.24
4.295	1.14	10.345	2.28	16.395	5.59	20.66	1.86	1.24
4.321	1.14	10.371	2.28	16.421	5.59	20.67	1.86	1.24
4.347	1.14	10.397	2.28	16.447	5.59	20.68	1.86	1.24
4.373	1.14	10.423	2.28	16.473	5.59	20.69	1.86	1.24
4.399	1.14	10.449	2.28	16.499	5.59	20.70	1.86	1.24
4.425	1.14	10.475	2.28	16.525	5.59	20.71	1.86	1.24
4.451	1.14	10.501	2.28	16.551	5.59	20.72	1.86	1.24
4.477	1.14	10.527	2.28	16.577	5.59	20.73	1.86	1.24
4.503	1.14	10.553	2.28	16.603	5.59	20.74	1.86	1.24
4.529	1.14	10.579	2.28	16.629	5.59	20.75	1.86	1.24
4.555	1.14	10.605	2.28	16.655	5.59	20.76	1.86	1.24
4.581	1.14	10.631	2.28	16.681	5.59	20.77	1.86	1.24
4.607	1.14	10.657	2.28	16.707	5.59	20.78	1.86	1.24
4.633	1.14	10.683	2.28	16.733	5.59	20.79	1.86	1.24
4.659	1.14	10.709	2.28	16.759	5.59	20.80	1.86	1.24
4.685	1.14	10.735	2.28	16.785	5.59	20.81	1.86	1.24
4.711	1.14	10.761	2.28	16.811	5.59	20.82	1.86	1.24
4.737	1.14	10.787	2.28	16.837	5.59	20.83	1.86	1.24
4.763	1.14	10.813	2.28	16.863	5.59	20.84	1.86	1.24
4.789	1.14	10.839	2.28	16.889	5.59	20.85	1.86	1.24
4.815	1.14	10.865	2.28	16.915	5.59	20.86	1.86	1.24
4.841	1.14	10.891	2.28	16.941	5.59	20.87	1.86	1.24
4.867	1.14	10.917	2.28	16.967	5.59	20.88	1.86	1.24
4.893	1.14	10.943						

5.650	1.66	11.790	30.67	17.750	1.86	23.80	1.24
5.667	1.66	11.717	30.67	17.767	1.86	23.82	1.24
5.683	1.66	11.644	30.67	17.783	1.86	23.84	1.24
5.700	1.66	11.570	30.67	17.800	1.86	23.85	1.24
5.717	1.66	11.497	30.67	17.817	1.86	23.87	1.24
5.733	1.66	11.424	30.67	17.833	1.86	23.89	1.24
5.750	1.66	11.350	30.67	17.850	1.86	23.90	1.24
5.767	1.66	11.277	30.67	17.867	1.86	23.92	1.24
5.783	1.66	11.204	30.67	17.883	1.86	23.93	1.24
5.800	1.66	11.131	30.67	17.900	1.86	23.95	1.24
5.817	1.66	11.058	30.67	17.917	1.86	23.97	1.24
5.833	1.66	10.985	30.67	17.933	1.86	23.98	1.24
5.850	1.66	10.912	30.67	17.950	1.86	24.00	1.24
5.867	1.66	10.839	30.67	17.967	1.86	24.02	1.24
5.883	1.66	10.766	30.67	17.983	1.86	24.03	1.24
5.900	1.66	10.693	30.67	18.000	1.86	24.05	1.24
5.917	1.66	10.620	30.67	18.017	1.86	24.07	1.24
5.933	1.66	10.547	30.67	18.033	1.86	24.08	1.24
5.950	1.66	10.474	30.67	18.050	1.86	24.10	1.24
5.967	1.66	10.401	30.67	18.067	1.86	24.12	1.24
5.983	1.66	10.328	30.67	18.083	1.86	24.13	1.24
5.999	1.66	10.255	30.67	18.099	1.86	24.15	1.24
6.007	1.66	10.182	30.67	18.117	1.86	24.17	1.24
6.023	1.66	10.109	30.67	18.133	1.86	24.19	1.24
6.059	1.66	10.000	30.67	18.150	1.86	24.21	1.24
Max Eff. Inten. (mm/hr) = 126.81 285.70							
Storage Coeff. (min) = 5.00 6.00 (11)							
Unit Hyd. Peak (in) = 5.00 6.00 (11)							
Unit Hyd. Tpeak (in) = 5.00 6.00 (11)							
Unit Hyd. Peak (cms) = 0.46 0.20							
PEAK FLOW (cms) = 2.73 3.54							
TIME TO PEAK (hrs) = 12.17 12.19							
TOTAL RAINFALL (mm) = 103.60 103.60							
RUNOFF COEFFICIENT = 0.99 0.96							

TOTALS							
6.238 (11)							
12.17							
103.60							
0.96							
(1) ON PROCEDURE SELECTED FOR PREVIOUS LOSSES :							
(11) TIME STEP (DT) SHOULD BE SMALLER OR (EQUAL) TO THE TIME STEP OF THE PREVIOUS LOSSES :							
(111) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.							
NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.							

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

TIME RAIN TIME RAIN TIME RAIN TIME RAIN TIME RAIN

hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr hrs mm/hr

3.217	1.35	9.267	3.32	15.317	9.11	21.37	1.24
3.223	1.35	9.263	3.32	15.333	9.11	21.38	1.24
3.229	1.35	9.259	3.32	15.349	9.11	21.39	1.24
3.235	1.35	9.255	3.32	15.365	9.11	21.40	1.24
3.241	1.35	9.251	3.32	15.381	9.11	21.41	1.24
3.247	1.35	9.247	3.32	15.397	9.11	21.42	1.24
3.253	1.35	9.243	3.32	15.413	9.11	21.43	1.24
3.259	1.35	9.239	3.32	15.429	9.11	21.44	1.24
3.265	1.35	9.235	3.32	15.445	9.11	21.45	1.24
3.271	1.35	9.231	3.32	15.461	9.11	21.46	1.24
3.277	1.35	9.227	3.32	15.477	9.11	21.47	1.24
3.283	1.35	9.223	3.32	15.493	9.11	21.48	1.24
3.289	1.35	9.219	3.32	15.509	9.11	21.49	1.24
3.295	1.35	9.215	3.32	15.525	9.11	21.50	1.24
3.301	1.35	9.211	3.32	15.541	9.11	21.51	1.24
3.307	1.35	9.207	3.32	15.557	9.11	21.52	1.24
3.313	1.35	9.203	3.32	15.573	9.11	21.53	1.24
3.319	1.35	9.199	3.32	15.589	9.11	21.54	1.24
3.325	1.35	9.195	3.32	15.605	9.11	21.55	1.24
3.331	1.35	9.191	3.32	15.621	9.11	21.56	1.24
3.337	1.35	9.187	3.32	15.637	9.11	21.57	1.24
3.343	1.35	9.183	3.32	15.653	9.11	21.58	1.24
3.349	1.35	9.179	3.32	15.669	9.11	21.59	1.24
3.355	1.35	9.175	3.32	15.685	9.11	21.60	1.24
3.361	1.35	9.171	3.32	15.701	9.11	21.61	1.24
3.367	1.35	9.167	3.32	15.717	9.11	21.62	1.24
3.373	1.35	9.163	3.32	15.733	9.11	21.63	1.24
3.379	1.35	9.159	3.32	15.749	9.11	21.64	1.24
3.385	1.35	9.155	3.32	15.765	9.11	21.65	1.24
3.391	1.35	9.151	3.32	15.781	9.11	21.66	1.24
3.397	1.35	9.147	3.32	15.797	9.11	21.67	1.24
3.403	1.35	9.143	3.32	15.813	9.11	21.68	1.24
3.409	1.35	9.139	3.32	15.829	9.11	21.69	1.24
3.415	1.35	9.135	3.32	15.845	9.11	21.70	1.24
3.421	1.35	9.131	3.32	15.861	9.11	21.71	1.24
3.427	1.35	9.127	3.32	15.877	9.11	21.72	1.24
3.433	1.35	9.123	3.32	15.893	9.11	21.73	1.24
3.439	1.35	9.119	3.32	15.909	9.11	21.74	1.24
3.445	1.35	9.115	3.32	15.925	9.11	21.75	1.24
3.451	1.35	9.111	3.32	15.941	9.11	21.76	1.24
3.457	1.35	9.107	3.32	15.957	9.11	21.77	1.24
3.463	1.35	9.103	3.32	15.973	9.11	21.78	1.24
3.469	1.35	9.099	3.32	15.989	9.11	21.79	1.24
3.475	1.35	9.095	3.32	16.005	9.11	21.80	1.24
3.481	1.35	9.091	3.32	16.021	9.11	21.81	1.24
3.487	1.35	9.087	3.32	16.037	9.11	21.82	1.24
3.493	1.35	9.083	3.32	16.053	9.11	21.83	1.24
3.499	1.35	9.079	3.32	16.069	9.11	21.84	1.24
3.505	1.35	9.075	3.32	16.085	9.11	21.85	1.24
3.511	1.35	9.071	3.32	16.101	9.11	21.86	1.24
3.517	1.35	9.067	3.32	16.117	9.11	21.87	1.24
3.523	1.35	9.063	3.32	16.133	9.11	21.88	1.24
3.529	1.35	9.059	3.32	16.149	9.11	21.89	1.24
3.535	1.35	9.055	3.32	16.165	9.11	21.90	1.24
3.541	1.35	9.051	3.32	16.181	9.11	21.91	1.24
3.547	1.35	9.047	3.32	16.197	9.11	21.92	1.24
3.553	1.35	9.043	3.32	16.213	9.11	21.93	1.24
3.559	1.35	9.039	3.32	16.229	9.11	21.94	1.24
3.565	1.35	9.035	3.32	16.245	9.11	21.95	1.24
3.571	1.35	9.031	3.32	16.261	9.11	21.96	1.24
3.577	1.35	9.027	3.32	16.277	9.11	21.97	1.24
3.583	1.35	9.023	3.32	16.293	9.11	21.98	1.24
3.589	1.35	9.019	3.32	16.309	9.11	21.99	1.24
3.595	1.35	9.015	3.32	16.325	9.11	22.00	1.24
3.601	1.35	9.011	3.32	16.341	9.11	22.01	1.24
3.607	1.35	9.007	3.32	16.357	9.11	22.02	1.24
3.613	1.35	9.003	3.32	16.373	9.11	22.03	1.24
3.619	1.35	8.999	3.32	16.389	9.11	22.04	1.24
3.625	1.35	8.995	3.32	16.405	9.11	22.05	1.24
3.631	1.35	8.991	3.32	16.421	9.11	22.06	1.24
3.637	1.35	8.987	3.32	16.437	9.11	22.07	1.24
3.643	1.35	8.983	3.32	16.453	9.11	22.08	1.24
3.649	1.35	8.979	3.32	16.469	9.11	22.09	1.24
3.655	1.35	8.975	3.32	16.485	9.11	22.10	1.24
3.661	1.35	8.971	3.32	16.501	9.11	22.11	1.24
3.667	1.35	8.967	3.32	16.517	9.11	22.12	1.24
3.673	1.35	8.963	3.32	16.533	9.11	22.13	1.24
3.679	1.35	8.959	3.32	16.549	9.11	22.14	1.24
3.685	1.35	8.955	3.32	16.565	9.11	22.15	1.24
3.691	1.35	8.951	3.32	16.581	9.11	22.16	1.24
3.697	1.35	8.947	3.32	16.597	9.11	22.17	1.24
3.703	1.35	8.943	3.32	16.613	9.11	22.18	1.24
3.709	1.35	8.939	3.32	16.629	9.11	22.19	1.24
3.715	1.35	8.935	3.32	16.645	9.11	22.20	1.24
3.721	1.35	8.931	3.32	16.661	9.11	22.21	1.24
3.727	1.35	8.927	3.32	16.677	9.11	22.22	1.24
3.733	1.35	8.923	3.32	16.693	9.11	22.23	1.24
3.739	1.35	8.919	3.32	16.709	9.11	22.24	1.24
3.745	1.35	8.915	3.32	16.725	9.11	22.25	1.24
3.751	1.35	8.911	3.32	16.741	9.11	22.26	1.24
3.757	1.35	8.907	3.32	16.757	9.11	22.27	1.24
3.763	1.35	8.903	3.32	16.773	9.11	22.28	1.24
3.769	1.35	8.899	3.32	16.789	9.11	22.29	1.24
3.775	1.35	8.895	3.32	16.805	9.11	22.30	1.24
3.781	1.35	8.891	3.32	16.821	9.11	22.31	1.24
3.787	1.35	8.887	3.32	16.837	9.11	22.32	1.24
3.793	1.35	8.883	3.32	16.853	9.11	22.33	1.24
3.799	1.35	8.879	3.32	16.869	9.11	22.34	1.24
3.805	1.35	8.875	3.32	16.885	9.11	22.35	1.24
3.811	1.35	8.871	3.32	16.901	9.11	22.36	1.24
3.817	1.35	8.867	3.32	16.917	9.11	22.37	1.24
3.823	1.35	8.863	3.32	16.933	9.11	22.38	1.24
3.829	1.35	8.859	3.32	16.949	9.11	22.39	1.24
3.835	1.35	8.855	3.32	16.965	9.11	22.40	1.24
3.841	1.35	8.851	3.32	16.981	9.11	22.41	1.24
3.847	1.35	8.847	3.32	16.997	9.11	22.42	1.24
3.853	1.35	8.843	3.32	17.013	9.11	22.43	1.24
3.859	1.35	8.839	3.32	17.029	9.11	22.44	1.24
3.865	1.35	8.835	3.32	17.045	9.11	22.45	1.24
3.871	1.35	8.831	3.32	17.061	9.11	22.46	1.24
3.877	1.35	8.827	3.32	17.077	9.11	22.47	1.24
3.883	1.35	8.823	3.32	17.093	9.11	22.48	1.24
3.889	1.35	8.819	3.32	17.109	9.11	22.49	1.24
3.895	1.35	8.815	3.32	17.125	9.11	22.50	1.24
3.901	1.35	8.811	3.32	17.141	9.11	22.51	1.24
3.907	1.35	8.807	3.32	17.157	9.11	22.52	1.24
3.913	1.35	8.803	3.32	17.173	9.11	22.53	1.24
3.919	1.35	8.799	3.32	17.189	9.11	22.54	1.24
3.925	1.35	8.795	3.32	17.205	9.11	22.55	1.24
3.931	1.35	8.791	3.32	17.221	9.11	22.56	1.24
3.937	1.35	8.787	3.32	17.237	9.11	22.57	1.24
3.943	1.35	8.783	3.32	17.253	9.11	22.58	1.24
3.949	1.35	8.779	3.32	17.269	9.11	22.59	1.24
3.955	1.35	8.775	3.32	17.285	9.11	22.60	1.24
3.961	1.35	8.771	3.32	17.301	9.11	22.61	1.24
3.967	1.35	8.767	3.32	17.317	9.11	22.62	1.24
3.973	1.35	8.763	3.32	17.333	9.11	22.63	1.24
3.979	1.35	8.759	3.32	17.349	9.11	22.64	1.24
3.985	1.35	8.755	3.32	17.365	9.11	22.65	1.24
3.991	1.35	8.751	3.32	17.381	9.11	22.66	1.24
3.997	1.35	8.747	3.32	17.397	9.11	22.67	1.24
4.003	1.35	8.743	3.32	17.413	9.11	22.68	1.24
4.009	1.35	8.739	3.32	17.429	9.11	22.69	1.24
4.015	1.35	8.735	3.32	17.445	9.11	22.70	1.24
4.021	1.35	8.731	3.32	17.461	9.11	22.71	1.24
4.027	1.35	8.727	3.32	17.477	9.11	22.72	1.24
4.033	1.35	8.723	3.32	17.493	9.11	22.73	1.24
4.039	1.35	8.719	3.32	17.509	9.11	22.74	1.24
4.045	1.35	8.715	3.32	17.525	9.11	22.75	1.24
4.051	1.35	8.711	3.32	17.541	9.11	22.76	1.24
4.057	1.35	8.707	3.32	17.557	9.11	22.77	1.24
4.063	1.35	8.703	3.32	17.573	9.11	22.78	1.24
4.069	1.35	8.699	3.32	17.589	9.11	22.79	1.24
4.075	1.35	8.695	3.32	17.605	9.11	22.80	1.24
4.081	1.35	8.691	3.32	17.621	9.11	22.81	1.24
4.087	1.35	8.687	3.32	17.637	9.11	22.82	1.24
4.093	1.35	8.683	3.32	17.653	9.11	22.83	1.24
4.099	1.35	8.679	3.32	17.669	9.11	22.84	1.24
4.105	1.35	8.675	3.32	17.685	9.11	22.85	1.24
4.111	1.35	8.671	3.32	17.701	9.11	22.86	1.24
4.117	1.35	8.667	3.32	17.717	9.		

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

--- TRANSFORMED HYETOGRAPH ---									
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
0.007	0.00	6.007	0.06	12.007	1.17	18.007	1.86	24.007	2.55
0.013	0.00	6.013	0.16	12.013	1.27	18.013	1.96	24.013	2.65
0.019	0.00	6.019	0.26	12.019	1.37	18.019	2.06	24.019	2.75
0.025	0.00	6.025	0.36	12.025	1.47	18.025	2.16	24.025	2.85
0.031	0.00	6.031	0.46	12.031	1.57	18.031	2.26	24.031	2.95
0.037	0.00	6.037	0.56	12.037	1.67	18.037	2.36	24.037	3.05
0.043	0.00	6.043	0.66	12.043	1.77	18.043	2.46	24.043	3.15
0.049	0.00	6.049	0.76	12.049	1.87	18.049	2.56	24.049	3.25
0.055	0.00	6.055	0.86	12.055	1.97	18.055	2.66	24.055	3.35
0.061	0.00	6.061	0.96	12.061	2.07	18.061	2.76	24.061	3.45
0.067	0.00	6.067	1.06	12.067	2.17	18.067	2.86	24.067	3.55
0.073	0.00	6.073	1.16	12.073	2.27	18.073	2.96	24.073	3.65
0.079	0.00	6.079	1.26	12.079	2.37	18.079	3.06	24.079	3.75
0.085	0.00	6.085	1.36	12.085	2.47	18.085	3.16	24.085	3.85
0.091	0.00	6.091	1.46	12.091	2.57	18.091	3.26	24.091	3.95
0.097	0.00	6.097	1.56	12.097	2.67	18.097	3.36	24.097	4.05
0.103	0.00	6.103	1.66	12.103	2.77	18.103	3.46	24.103	4.15
0.109	0.00	6.109	1.76	12.109	2.87	18.109	3.56	24.109	4.25
0.115	0.00	6.115	1.86	12.115	2.97	18.115	3.66	24.115	4.35
0.121	0.00	6.121	1.96	12.121	3.07	18.121	3.76	24.121	4.45
0.127	0.00	6.127	2.06	12.127	3.17	18.127	3.86	24.127	4.55
0.133	0.00	6.133	2.16	12.133	3.27	18.133	3.96	24.133	4.65
0.139	0.00	6.139	2.26	12.139	3.37	18.139	4.06	24.139	4.75
0.145	0.00	6.145	2.36	12.145	3.47	18.145	4.16	24.145	4.85
0.151	0.00	6.151	2.46	12.151	3.57	18.151	4.26	24.151	4.95
0.157	0.00	6.157	2.56	12.157	3.67	18.157	4.36	24.157	5.05
0.163	0.00	6.163	2.66	12.163	3.77	18.163	4.46	24.163	5.15
0.169	0.00	6.169	2.76	12.169	3.87	18.169	4.56	24.169	5.25
0.175	0.00	6.175	2.86	12.175	3.97	18.175	4.66	24.175	5.35
0.181	0.00	6.181	2.96	12.181	4.07	18.181	4.76	24.181	5.45
0.187	0.00	6.187	3.06	12.187	4.17	18.187	4.86	24.187	5.55
0.193	0.00	6.193	3.16	12.193	4.27	18.193	4.96	24.193	5.65
0.199	0.00	6.199	3.26	12.199	4.37	18.199	5.06	24.199	5.75
0.205	0.00	6.205	3.36	12.205	4.47	18.205	5.16	24.205	5.85
0.211	0.00	6.211	3.46	12.211	4.57	18.211	5.26	24.211	5.95
0.217	0.00	6.217	3.56	12.217	4.67	18.217	5.36	24.217	6.05
0.223	0.00	6.223	3.66	12.223	4.77	18.223	5.46	24.223	6.15
0.229	0.00	6.229	3.76	12.229	4.87	18.229	5.56	24.229	6.25
0.235	0.00	6.235	3.86	12.235	4.97	18.235	5.66	24.235	6.35
0.241	0.00	6.241	3.96	12.241	5.07	18.241	5.76	24.241	6.45
0.247	0.00	6.247	4.06	12.247	5.17	18.247	5.86	24.247	6.55
0.253	0.00	6.253	4.16	12.253	5.27	18.253	5.96	24.253	6.65
0.259	0.00	6.259	4.26	12.259	5.37	18.259	6.06	24.259	6.75
0.265	0.00	6.265	4.36	12.265	5.47	18.265	6.16	24.265	6.85
0.271	0.00	6.271	4.46	12.271	5.57	18.271	6.26	24.271	6.95
0.277	0.00	6.277	4.56	12.277	5.67	18.277	6.36	24.277	7.05
0.283	0.00	6.283	4.66	12.283	5.77	18.283	6.46	24.283	7.15
0.289	0.00	6.289	4.76	12.289	5.87	18.289	6.56	24.289	7.25
0.295	0.00	6.295	4.86	12.295	5.97	18.295	6.66	24.295	7.35
0.301	0.00	6.301	4.96	12.301	6.07	18.301	6.76	24.301	7.45
0.307	0.00	6.307	5.06	12.307	6.17	18.307	6.86	24.307	7.55
0.313	0.00	6.313	5.16	12.313	6.27	18.313	6.96	24.313	7.65
0.319	0.00	6.319	5.26	12.319	6.37	18.319	7.06	24.319	7.75
0.325	0.00	6.325	5.36	12.325	6.47	18.325	7.16	24.325	7.85
0.331	0.00	6.331	5.46	12.331	6.57	18.331	7.26	24.331	7.95
0.337	0.00	6.337	5.56	12.337	6.67	18.337	7.36	24.337	8.05
0.343	0.00	6.343	5.66	12.343	6.77	18.343	7.46	24.343	8.15
0.349	0.00	6.349	5.76	12.349	6.87	18.349	7.56	24.349	8.25
0.355	0.00	6.355	5.86	12.355	6.97	18.355	7.66	24.355	8.35
0.361	0.00	6.361	5.96	12.361	7.07	18.361	7.76	24.361	8.45
0.367	0.00	6.367	6.06	12.367	7.17	18.367	7.86	24.367	8.55
0.373	0.00	6.373	6.16	12.373	7.27	18.373	7.96	24.373	8.65
0.379	0.00	6.379	6.26	12.379	7.37	18.379	8.06	24.379	8.75
0.385	0.00	6.385	6.36	12.385	7.47	18.385	8.16	24.385	8.85
0.391	0.00	6.391	6.46	12.391	7.57	18.391	8.26	24.391	8.95
0.397	0.00	6.397	6.56	12.397	7.67	18.397	8.36	24.397	9.05
0.403	0.00	6.403	6.66	12.403	7.77	18.403	8.46	24.403	9.15
0.409	0.00	6.409	6.76	12.409	7.87	18.409	8.56	24.409	9.25
0.415	0.00	6.415	6.86	12.415	7.97	18.415	8.66	24.415	9.35
0.421	0.00	6.421	6.96	12.421	8.07	18.421	8.76	24.421	9.45
0.427	0.00	6.427	7.06	12.427	8.17	18.427	8.86	24.427	9.55
0.433	0.00	6.433	7.16	12.433	8.27	18.433	8.96	24.433	9.65
0.439	0.00	6.439	7.26	12.439	8.37	18.439	9.06	24.439	9.75
0.445	0.00	6.445	7.36	12.445	8.47	18.445	9.16	24.445	9.85
0.451	0.00	6.451	7.46	12.451	8.57	18.451	9.26	24.451	9.95
0.457	0.00	6.457	7.56	12.457	8.67	18.457	9.36	24.457	10.05
0.463	0.00	6.463	7.66	12.463	8.77	18.463	9.46	24.463	10.15
0.469	0.00	6.469	7.76	12.469	8.87	18.469	9.56	24.469	10.25
0.475	0.00	6.475	7.86	12.475	8.97	18.475	9.66	24.475	10.35
0.481	0.00	6.481	7.96	12.481	9.07	18.481	9.76	24.481	10.45
0.487	0.00	6.487	8.06	12.487	9.17	18.487	9.86	24.487	10.55
0.493	0.00	6.493	8.16	12.493	9.27	18.493	9.96	24.493	10.65
0.499	0.00	6.499	8.26	12.499	9.37	18.499	10.06	24.499	10.75
0.505	0.00	6.505	8.36	12.505	9.47	18.505	10.16	24.505	10.85
0.511	0.00	6.511	8.46	12.511	9.57	18.511	10.26	24.511	10.95
0.517	0.00	6.517	8.56	12.517	9.67	18.517	10.36	24.517	11.05
0.523	0.00	6.523	8.66	12.523	9.77	18.523	10.46	24.523	11.15
0.529	0.00	6.529	8.76	12.529	9.87	18.529	10.56	24.529	11.25
0.535	0.00	6.535	8.86	12.535	9.97	18.535	10.66	24.535	11.35
0.541	0.00	6.541	8.96	12.541	10.07	18.541	10.76	24.541	11.45
0.547	0.00	6.547	9.06	12.547	10.17	18.547	10.86	24.547	11.55
0.553	0.00	6.553	9.16	12.553	10.27	18.553	10.96	24.553	11.65
0.559	0.00	6.559	9.26	12.559	10.37	18.559	11.06	24.559	11.75
0.565	0.00	6.565	9.36	12.565	10.47	18.565	11.16	24.565	11.85
0.571	0.00	6.571	9.46	12.571	10.57	18.571	11.26	24.571	11.95
0.577	0.00	6.577	9.56	12.577	10.67	18.577	11.36	24.577	12.05
0.583	0.00	6.583	9.66	12.583	10.77	18.583	11.46	24.583	12.15
0.589	0.00	6.589	9.76	12.589	10.87	18.589	11.56	24.589	12.25
0.595	0.00	6.595	9.86	12.595	10.97	18.595	11.66	24.595	12.35
0.601	0.00	6.601	9.96	12.601	11.07	18.601	11.76	24.601	12.45
0.607	0.00	6.607	10.06	12.607	11.17	18.607	11.86	24.607	12.55
0.613	0.00	6.613	10.16	12.613	11.27	18.613	11.96	24.613	12.65
0.619	0.00	6.619	10.26	12.619	11.37	18.619	12.06	24.619	12.75
0.625	0.00	6.625	10.36	12.625	11.47	18.625	12.16	24.625	12.85
0.631	0.00	6.631	10.46	12.631	11.57	18.631	12.26	24.631	12.95
0.637	0.00	6.637	10.56	12.637	11.67	18.637	12.36	24.637	13.05
0.643	0.00	6.643	10.66	12.643	11.77	18.643	12.46	24.643	13.15
0.649	0.00	6.649	10.76	12.649	11.87	18.649	12.56	24.649	13.25
0.655	0.00	6.655	10.86	12.655	11.97	18.655	12.66	24.655	13.35
0.661	0.00	6.661	10.96	12.661	12.07	18.661	12.76	24.661	13.45
0.667	0.00	6.667	11.06	12.667	12.17	18.667	12.86	24.667	13.55
0.673	0.00	6.673	11.16	12.673	12.27	18.673	12.96	24.673	13.65
0.679	0.00	6.679	11.26	12.679	12.37	18.679	13.06	24.679	13.75
0.685	0.00	6.685	11.36	12.685	12.47	18.685	13.16	24.685	13.85
0.691	0.00	6.691	11.46	12.691	12.57	18.691	13.26	24.691	13.95
0.697	0.00	6.697	11.56	12.697	12.67	18.697	13.36	24.697	14.05
0.703	0.00	6.703	11.66	12.703	12.77	18.703	13.46	24.703	14.15
0.709	0.00	6.709	11.76	12.709	12.87	18.709	13.56	24	

[illegible]

242

(i) CN PROCEDURE SELECTED FOR PVIOUS LOSSES:

241

CN* = 80.0 Ia = Dep. Storage (Above)
 (ii) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
 THAN THE STORAGE COEFFICIENT.
 (iii) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

[illegible]

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

243

1.750	1.14	7.890	2.28	13.850	4.35	19.90	1.86	1.24
1.767	1.14	7.817	2.28	13.867	4.35	19.92	1.86	1.24
1.784	1.14	7.744	2.28	13.884	4.35	19.94	1.86	1.24
1.801	1.14	7.670	2.28	13.901	4.35	19.95	1.86	1.24
1.818	1.14	7.597	2.28	13.918	4.35	19.97	1.86	1.24
1.835	1.14	7.524	2.28	13.935	4.35	19.99	1.86	1.24
1.852	1.14	7.451	2.28	13.952	4.35	20.00	1.86	1.24
1.869	1.14	7.378	2.28	13.969	4.35	20.02	1.86	1.24
1.886	1.14	7.305	2.28	13.986	4.35	20.04	1.86	1.24
1.903	1.14	7.232	2.28	14.003	4.35	20.05	1.86	1.24
1.920	1.14	7.159	2.28	14.020	4.35	20.07	1.86	1.24
1.937	1.14	7.086	2.28	14.037	4.35	20.09	1.86	1.24
1.954	1.14	7.013	2.28	14.054	4.35	20.11	1.86	1.24
1.971	1.14	6.940	2.28	14.071	4.35	20.12	1.86	1.24
1.988	1.14	6.867	2.28	14.088	4.35	20.14	1.86	1.24
2.005	1.14	6.794	2.28	14.105	4.35	20.16	1.86	1.24
2.022	1.14	6.721	2.28	14.122	4.35	20.18	1.86	1.24
2.039	1.14	6.648	2.28	14.139	4.35	20.20	1.86	1.24
2.056	1.14	6.575	2.28	14.156	4.35	20.22	1.86	1.24
2.073	1.14	6.502	2.28	14.173	4.35	20.24	1.86	1.24
2.090	1.14	6.429	2.28	14.190	4.35	20.26	1.86	1.24
2.107	1.14	6.356	2.28	14.207	4.35	20.28	1.86	1.24
2.124	1.14	6.283	2.28	14.224	4.35	20.30	1.86	1.24
2.141	1.14	6.210	2.28	14.241	4.35	20.32	1.86	1.24
2.158	1.14	6.137	2.28	14.258	4.35	20.34	1.86	1.24
2.175	1.14	6.064	2.28	14.275	4.35	20.36	1.86	1.24
2.192	1.14	5.991	2.28	14.292	4.35	20.38	1.86	1.24
2.209	1.14	5.918	2.28	14.309	4.35	20.40	1.86	1.24
2.226	1.14	5.845	2.28	14.326	4.35	20.42	1.86	1.24
2.243	1.14	5.772	2.28	14.343	4.35	20.44	1.86	1.24
2.260	1.14	5.699	2.28	14.360	4.35	20.46	1.86	1.24
2.277	1.14	5.626	2.28	14.377	4.35	20.48	1.86	1.24
2.294	1.14	5.553	2.28	14.394	4.35	20.50	1.86	1.24
2.311	1.14	5.480	2.28	14.411	4.35	20.52	1.86	1.24
2.328	1.14	5.407	2.28	14.428	4.35	20.54	1.86	1.24
2.345	1.14	5.334	2.28	14.445	4.35	20.56	1.86	1.24
2.362	1.14	5.261	2.28	14.462	4.35	20.58	1.86	1.24
2.379	1.14	5.188	2.28	14.479	4.35	20.60	1.86	1.24
2.396	1.14	5.115	2.28	14.496	4.35	20.62	1.86	1.24
2.413	1.14	5.042	2.28	14.513	4.35	20.64	1.86	1.24
2.430	1.14	4.969	2.28	14.530	4.35	20.66	1.86	1.24
2.447	1.14	4.896	2.28	14.547	4.35	20.68	1.86	1.24
2.464	1.14	4.823	2.28	14.564	4.35	20.70	1.86	1.24
2.481	1.14	4.750	2.28	14.581	4.35	20.72	1.86	1.24
2.498	1.14	4.677	2.28	14.598	4.35	20.74	1.86	1.24
2.515	1.14	4.604	2.28	14.615	4.35	20.76	1.86	1.24
2.532	1.14	4.531	2.28	14.632	4.35	20.78	1.86	1.24
2.549	1.14	4.458	2.28	14.649	4.35	20.80	1.86	1.24
2.566	1.14	4.385	2.28	14.666	4.35	20.82	1.86	1.24
2.583	1.14	4.312	2.28	14.683	4.35	20.84	1.86	1.24
2.600	1.14	4.239	2.28	14.700	4.35	20.86	1.86	1.24
2.617	1.14	4.166	2.28	14.717	4.35	20.88	1.86	1.24
2.634	1.14	4.093	2.28	14.734	4.35	20.90	1.86	1.24
2.651	1.14	4.020	2.28	14.751	4.35	20.92	1.86	1.24
2.668	1.14	3.947	2.28	14.768	4.35	20.94	1.86	1.24
2.685	1.14	3.874	2.28	14.785	4.35	20.96	1.86	1.24
2.702	1.14	3.801	2.28	14.802	4.35	20.98	1.86	1.24
2.719	1.14	3.728	2.28	14.819	4.35	21.00	1.86	1.24
2.736	1.14	3.655	2.28	14.836	4.35	21.02	1.86	1.24
2.753	1.14	3.582	2.28	14.853	4.35	21.04	1.86	1.24
2.770	1.14	3.509	2.28	14.870	4.35	21.06	1.86	1.24
2.787	1.14	3.436	2.28	14.887	4.35	21.08	1.86	1.24
2.804	1.14	3.363	2.28	14.904	4.35	21.10	1.86	1.24

245

246

246

246

246

246

246

246

246

246

246

246

246

246

246

246

246

246

246

246

3.883	1.35	9.933	3.73	15.983	3.11	22.03	1.24	1.24
3.900	1.35	9.900	3.73	16.000	3.11	22.05	1.24	1.24
3.917	1.35	9.867	3.73	16.017	3.11	22.07	1.24	1.24
3.934	1.35	9.834	3.73	16.034	3.11	22.09	1.24	1.24
3.951	1.35	9.801	3.73	16.051	3.11	22.11	1.24	1.24
3.968	1.35	9.768	3.73	16.068	3.11	22.13	1.24	1.24
3.985	1.35	9.735	3.73	16.085	3.11	22.15	1.24	1.24
4.002	1.35	9.702	3.73	16.102	3.11	22.17	1.24	1.24
4.019	1.35	9.669	3.73	16.119	3.11	22.19	1.24	1.24
4.036	1.35	9.636	3.73	16.136	3.11	22.21	1.24	1.24
4.053	1.35	9.603	3.73	16.153	3.11	22.23	1.24	1.24
4.070	1.35	9.570	3.73	16.170	3.11	22.25	1.24	1.24
4.087	1.35	9.537	3.73	16.187	3.11	22.27	1.24	1.24
4.104	1.35	9.504	3.73	16.204	3.11	22.29	1.24	1.24
4.121	1.35	9.471	3.73	16.221	3.11	22.31	1.24	1.24
4.138	1.35	9.438	3.73	16.238	3.11	22.33	1.24	1.24
4.155	1.35	9.405	3.73	16.255	3.11	22.35	1.24	1.24
4.172	1.35	9.372	3.73	16.272	3.11	22.37	1.24	1.24
4.189	1.35	9.339	3.73	16.289	3.11	22.39	1.24	1.24
4.206	1.35	9.306	3.73	16.306	3.11	22.41	1.24	1.24
4.223	1.35	9.273	3.73	16.323	3.11	22.43	1.24	1.24
4.240	1.35	9.240	3.73	16.340	3.11	22.45	1.24	1.24
4.257	1.35	9.207	3.73	16.357	3.11	22.47	1.24	1.24
4.274	1.35	9.174	3.73	16.374	3.11	22.49	1.24	1.24
4.291	1.35	9.141	3.73	16.391	3.11	22.51	1.24	1.24
4.308	1.35	9.108	3.73	16.408	3.11	22.53	1.24	1.24
4.325	1.35	9.075	3.73	16.425	3.11	22.55	1.24	1.24
4.342	1.35	9.042	3.73	16.442	3.11	22.57	1.24	1.24
4.359	1.35	9.009	3.73	16.459	3.11	22.59	1.24	1.24
4.376	1.35	8.976	3.73	16.476	3.11	22.61	1.24	1.24
4.393	1.35	8.943	3.73	16.493	3.11	22.63	1.24	1.24
4.410	1.35	8.910	3.73	16.510	3.11	22.65	1.24	1.24
4.427	1.35	8.877	3.73	16.527	3.11	22.67	1.24	1.24
4.444	1.35	8.844	3.73	16.544	3.11	22.69	1.24	1.24
4.461	1.35	8.811	3.73	16.561	3.11	22.71	1.24	1.24
4.478	1.35	8.778	3.73	16.578	3.11	22.73	1.24	1.24
4.495	1.35	8.745	3.73	16.595	3.11	22.75	1.24	1.24
4.512	1.35	8.712	3.73	16.612	3.11	22.77	1.24	1.24
4.529	1.35	8.679	3.73	16.629	3.11	22.79	1.24	1.24
4.546	1.35	8.646	3.73	16.646	3.11	22.81	1.24	1.24
4.563	1.35	8.613	3.73	16.663	3.11	22.83	1.24	1.24
4.580	1.35	8.580	3.73	16.680	3.11	22.85	1.24	1.24
4.597	1.35	8.547	3.73	16.697	3.11	22.87	1.24	1.24
4.614	1.35	8.514	3.73	16.714	3.11	22.89	1.24	1.24
4.631	1.35	8.481	3.73	16.731	3.11	22.91	1.24	1.24
4.648	1.35	8.448	3.73	16.748	3.11	22.93	1.24	1.24
4.665	1.35	8.415	3.73	16.765	3.11	22.95	1.24	1.24
4.682	1.35	8.382	3.73	16.782	3.11	22.97	1.24	1.24
4.699	1.35	8.349	3.73	16.799	3.11	22.99	1.24	1.24
4.716	1.35	8.316	3.73	16.816	3.11	23.01	1.24	1.24
4.733	1.35	8.283	3.73	16.833	3.11	23.03	1.24	1.24
4.750	1.35	8.250	3.73	16.850	3.11	23.05	1.24	1.24
4.767	1.35	8.217	3.73	16.867	3.11	23.07	1.24	1.24
4.784	1.35	8.184	3.73	16.884	3.11	23.09	1.24	1.24
4.801	1.35	8.151	3.73	16.901	3.11	23.11	1.24	1.24
4.818	1.35	8.118	3.73	16.918	3.11	23.13	1.24	1.24
4.835	1.35	8.085	3.73	16.935	3.11	23.15	1.24	1.24
4.852	1.35	8.052	3.73	16.952	3.11	23.17	1.24	1.24
4.869	1.35	8.019	3.73	16.969	3.11	23.19	1.24	1.24
4.886	1.35	7.986	3.73	16.986	3.11	23.21	1.24	1.24
4.903	1.35	7.953	3.73	17.003	3.11	23.23	1.24	1.24
4.920	1.35	7.920	3.73	17.020	3.11	23.25	1.24	1.24
4.937	1.35	7.887	3.73	17.037	3.11	23.27	1.24	1.24
4.954	1.35	7.854	3.73	17.054	3.11	23.29	1.24	1.24
4.971	1.35	7.821	3.73	17.071	3.11	23.31	1.24	1.24
4.988	1.35	7.788	3.73	17.088	3.11	23.33	1.24	1.24
5.005	1.35	7.755	3.73	17.105	3.11	23.35	1.24	1.24
5.022	1.35	7.722	3.73	17.122	3.11	23.37	1.24	1.24
5.039	1.35	7.689	3.73	17.139	3.11	23.39	1.24	1.24
5.056	1.35	7.656	3.73	17.156	3.11	23.41	1.24	1.24
5.073	1.35	7.623	3.73	17.173	3.11	23.43	1.24	1.24
5.090	1.35	7.590	3.73	17.190	3.11	23.45	1.24	1.24
5.107	1.35	7.557	3.73	17.207	3.11	23.47	1.24	1.24
5.124	1.35	7.524	3.73	17.224	3.11	23.49	1.24	1.24
5.141	1.35	7.491	3.73	17.241	3.11	23.51	1.24	1.24
5.158	1.35	7.458	3.73	17.258	3.11	23.53	1.24	1.24
5.175	1.35	7.425	3.73	17.275	3.11	23.55	1.24	1.24
5.192	1.35	7.392	3.73	17.292	3.11	23.57	1.24	1.24
5.209	1.35	7.359	3.73	17.309	3.11	23.59	1.24	1.24
5.226	1.35	7.326	3.73	17.326	3.11	23.61	1.24	1.24
5.243	1.35	7.293	3.73	17.343	3.11	23.63	1.24	1.24
5.260	1.35	7.260	3.73	17.360	3.11	23.65	1.24	1.24
5.277	1.35	7.227	3.73	17.377	3.11	23.67	1.24	1.24
5.294	1.35	7.194	3.73	17.394	3.11	23.69	1.24	1.24
5.311	1.35	7.161	3.73	17.411	3.11	23.71	1.24	1.24
5.328	1.35	7.128	3.73	17.428	3.11	23.73	1.24	1.24
5.345	1.35	7.095	3.73	17.445	3.11	23.75	1.24	1.24
5.362	1.35	7.062	3.73	17.462	3.11	23.77	1.24	1.24
5.379	1.35	7.029	3.73	17.479	3.11	23.79	1.24	1.24
5.396	1.35	6.996	3.73	17.496	3.11	23.81	1.24	1.24
5.413	1.35	6.963	3.73	17.513	3.11	23.83	1.24	1.24
5.430	1.35	6.930	3.73	17.530	3.11	23.85	1.24	1.24
5.447	1.35	6.897	3.73	17.547	3.11	23.87	1.24	1.24
5.464	1.35	6.864	3.73	17.564	3.11	23.89	1.24	1.24
5.481	1.35	6.831	3.73	17.581	3.11	23.91	1.24	1.24
5.498	1.35	6.798	3.73	17.598	3.11	23.93	1.24	1.24
5.515	1.35	6.765	3.73	17.615	3.11	23.95	1.24	1.24
5.532	1.35	6.732	3.73	17.632	3.11	23.97	1.24	1.24
5.549	1.35	6.699	3.73	17.649	3.11	23.99	1.24	1.24
5.566	1.35	6.666	3.73	17.666	3.11	24.01	1.24	1.24
5.583	1.35	6.633	3.73	17.683	3.11	24.03	1.24	1.24
5.600	1.35	6.600	3.73	17.700	3.11	24.05	1.24	1.24
5.617	1.35	6.567	3.73	17.717	3.11	24.07	1.24	1.24
5.634	1.35	6.534	3.73	17.734	3.11	24.09	1.24	1.24
5.651	1.35	6.501	3.73	17.751	3.11	24.11	1.24	1.24
5.668	1.35	6.468	3.73	17.768	3.11	24.13	1.24	1.24
5.685	1.35	6.435	3.73	17.785	3.11	24.15	1.24	1.24
5.702	1.35	6.402	3.73	17.802	3.11	24.17	1.24	1.24
5.719	1.35	6.369	3.73	17.819	3.11	24.19	1.24	1.24
5.736	1.35	6.336	3.73	17.836	3.11	24.21	1.24	1.24
5.753	1.35	6.303	3.73	17.853	3.11	24.23	1.24	1.24
5.770	1.35	6.270	3.73	17.870	3.11	24.25	1.24	1.24
5.787	1.35	6.237	3.73	17.887	3.11	24.27	1.24	1.24
5.804	1.35	6.204	3.73	17.904	3.11	24.29	1.24	1.24
5.821	1.35	6.171	3.73	17.921	3.11	24.31	1.24	1.24
5.838	1.35	6.138	3.73	17.938	3.11	24.33	1.24	1.24
5.855	1.35	6.105	3.73	17.955	3.11	24.35	1.24	1.24
5.872	1.35	6.072	3.73	17.972	3.11	24.37	1.24	1.24
5.889	1.35	6.039	3.73	17.989	3.11	24.39	1.24	1.24
5.906	1.35	6.006	3.73	18.006	3.11	24.41	1.24	1.24
5.923	1.35	5.973	3.73	18.023	3.11	24.43	1.24	1.24
5.940	1.35	5.940	3.73	18.040	3.11	24.45	1.24	1.24
5.957	1.35	5.907	3.73	18.057	3.11	24.47	1.24	1.24
5.974	1.35	5.874	3.73	18.074	3.11	24.49	1.24	1.24
5.991	1.35	5.841	3.73	18.091	3.11	24.51	1.24	1.24
6.008	1.35	5.808	3.73	18.108	3.11	24.53	1.24	1.24
6.025	1.35	5.775	3.73	18.125	3.11	24.55	1.24	1.24
6.042	1.35	5.742	3.73	18.142	3.11	24.57	1.24	1.24
6.059	1.35	5.709	3.73	18.159	3.11	24.59	1.24	1.24
6.076	1.35	5.676	3.73	18.176	3.11	24.61	1.24	1.24
6.093	1.35	5.643	3.73	18.193	3.11	24.63	1.24	1.24
6.110	1.35	5.610	3.73	18.210	3.11	24.65	1.24	1.24
6.127	1.35	5.577	3.73	18.227	3.11	24.67	1.24	1.24
6.144	1.35	5.544	3.73	18.244	3.11	24.69	1.24	1.24
6.161	1.35	5.511	3.73	18.261	3.11	24.71	1.24	1.24
6.178	1.35	5.478	3.73	18.278	3.11	24.73	1.24	1.24
6.195	1.35	5.445	3.73	18.295	3.11	24.75	1.24	1.24
6.212	1.35	5.412	3.73	18.312				

6.017 1.66 12.067 126.81 18.117 1.86 24.17 1.24
6.033 1.66 12.063 126.81 18.133 1.86
6.059 1.66 12.100 126.81 18.150 1.86
Max.Eff.Inten.(mm/hr)= 126.81 186.57
Storage.Coeff.(min)= 5.00 6.00 (11)
Unit Hyd. Peak (cms)= 0.38 0.61
TOTALS
PEAK FLOW (cms)= 0.61 0.92
TIME TO PEAK (hrs)= 12.17 12.18
TOTAL RAINFALL (mm)= 103.60 103.60
RUNOFF COEFFICIENT = 0.99 0.71

(1) CN PROCEDURE SELECTED FOR PREVIOUS LOSSES:
(11) TIME STEP (DT) SHOULD BE SMALLER OR EQUAL
TO THE STORAGE COEFFICIENT.
(111) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

[ADD HYD (0915)]				
1 + 2 = 3	AREA	QPEAK	TPEAK	R.V.
ID2= 1 (0202):	0.13	0.639	12.17	82.61
+ ID2= 2 (0203):	0.10	0.029	12.17	82.60
ID = 3 (0915):	0.23	0.667	12.17	82.60
NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.				
[ADD HYD (0918)]				
1 + 2 = 3	AREA	QPEAK	TPEAK	R.V.
ID2= 1 (0915):	0.23	0.663	12.17	82.60
+ ID2= 2 (0902):	23.88	1.218	12.47	79.74
ID = 3 (0926):	24.11	1.229	12.43	79.76
NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.				

V V I SSSSS U U A A L (v 6.2.2016)
V V I SS U U A A L
V V I SS U U A A L
V V I SSSS UUUU A A LLLL

000 TTTT TTTT H H Y Y M M 000 TM
0 0 T T H H Y Y M M 0 0
0 0 T T H H Y Y M M 0 0
Developed and Distributed by Smart City Water Inc
Copyright 2007 - 2022 Smart City Water Inc
All Rights Reserved.

249

6.017	0.900	0.899	11.28	1.593	52.54	2.37	9.20
6.033	0.900	0.898	11.28	1.600	53.22	2.38	9.20
6.059	0.900	0.898	11.28	1.617	53.22	2.40	9.20
6.083	0.900	0.897	11.28	1.650	53.22	2.43	9.20
6.107	0.900	0.893	12.64	1.667	53.22	2.45	8.63
6.133	0.900	0.900	12.64	1.683	24.71	2.47	8.63
6.157	0.900	0.900	14.16	1.717	24.71	2.50	8.63
6.183	0.900	0.899	14.16	1.733	24.71	2.52	8.12
6.209	0.900	0.893	14.16	1.767	19.51	2.55	8.12
6.233	0.900	0.893	14.16	1.783	19.51	2.57	8.12
6.259	0.900	0.897	17.93	1.809	19.51	2.58	9.12
6.283	0.900	0.897	17.93	1.833	19.51	2.60	9.12
6.309	0.900	0.895	17.93	1.859	16.89	2.63	7.68
6.333	0.900	0.895	17.93	1.883	16.89	2.65	7.68
6.359	0.900	0.895	17.93	1.909	16.89	2.68	7.29
6.383	0.900	0.895	17.93	1.933	16.89	2.70	7.29
6.409	0.900	0.895	17.93	1.957	14.62	2.73	7.29
6.433	0.900	0.894	21.75	2.000	14.62	2.76	6.94
6.459	0.900	0.894	21.75	2.017	13.00	2.80	6.94
6.483	0.900	0.897	24.75	2.063	13.00	2.82	6.94
6.509	0.900	0.896	24.75	2.083	13.00	2.85	6.63
6.533	0.900	0.896	24.75	2.107	13.00	2.88	6.63
6.559	0.900	0.895	24.75	2.133	11.74	2.90	6.63
6.583	0.900	0.895	24.75	2.157	11.74	2.92	6.63
6.609	0.900	0.896	109.53	2.183	11.74	2.93	6.63
6.633	0.900	0.896	109.53	2.207	10.73	2.96	6.35
6.659	0.900	0.896	109.53	2.233	10.73	2.98	6.35
6.683	0.900	0.896	109.53	2.259	10.73	3.02	6.10
6.709	0.900	0.897	134.61	2.283	9.51	3.05	6.10
6.733	0.900	0.897	134.61	2.307	9.51	3.07	6.10
6.759	0.900	0.897	134.61	2.333	9.51	3.09	6.10
6.783	0.900	0.897	134.61	2.359	9.51	3.12	6.10
6.809	0.900	0.897	134.61	2.383	9.51	3.15	6.10
6.833	0.900	0.897	134.61	2.407	9.51	3.18	6.10
6.859	0.900	0.897	134.61	2.433	9.51	3.21	6.10
6.883	0.900	0.897	134.61	2.457	9.51	3.24	6.10
6.909	0.900	0.897	134.61	2.483	9.51	3.27	6.10
6.933	0.900	0.897	134.61	2.507	9.51	3.30	6.10
6.959	0.900	0.897	134.61	2.533	9.51	3.33	6.10
6.983	0.900	0.897	134.61	2.557	9.51	3.36	6.10
7.009	0.900	0.897	134.61	2.583	9.51	3.39	6.10
7.033	0.900	0.897	134.61	2.607	9.51	3.42	6.10
7.059	0.900	0.897	134.61	2.633	9.51	3.45	6.10
7.083	0.900	0.897	134.61	2.657	9.51	3.48	6.10
7.109	0.900	0.897	134.61	2.683	9.51	3.51	6.10
7.133	0.900	0.897	134.61	2.707	9.51	3.54	6.10
7.159	0.900	0.897	134.61	2.733	9.51	3.57	6.10
7.183	0.900	0.897	134.61	2.757	9.51	3.60	6.10
7.209	0.900	0.897	134.61	2.783	9.51	3.63	6.10
7.233	0.900	0.897	134.61	2.807	9.51	3.66	6.10
7.259	0.900	0.897	134.61	2.833	9.51	3.69	6.10
7.283	0.900	0.897	134.61	2.857	9.51	3.72	6.10
7.309	0.900	0.897	134.61	2.883	9.51	3.75	6.10
7.333	0.900	0.897	134.61	2.907	9.51	3.78	6.10
7.359	0.900	0.897	134.61	2.933	9.51	3.81	6.10
7.383	0.900	0.897	134.61	2.957	9.51	3.84	6.10
7.409	0.900	0.897	134.61	2.983	9.51	3.87	6.10
7.433	0.900	0.897	134.61	3.007	9.51	3.90	6.10
7.459	0.900	0.897	134.61	3.033	9.51	3.93	6.10
7.483	0.900	0.897	134.61	3.057	9.51	3.96	6.10
7.509	0.900	0.897	134.61	3.083	9.51	3.99	6.10
7.533	0.900	0.897	134.61	3.107	9.51	4.02	6.10
7.559	0.900	0.897	134.61	3.133	9.51	4.05	6.10
7.583	0.900	0.897	134.61	3.157	9.51	4.08	6.10
7.609	0.900	0.897	134.61	3.183	9.51	4.11	6.10
7.633	0.900	0.897	134.61	3.207	9.51	4.14	6.10
7.659	0.900	0.897	134.61	3.233	9.51	4.17	6.10
7.683	0.900	0.897	134.61	3.257	9.51	4.20	6.10
7.709	0.900	0.897	134.61	3.283	9.51	4.23	6.10
7.733	0.900	0.897	134.61	3.307	9.51	4.26	6.10
7.759	0.900	0.897	134.61	3.333	9.51	4.29	6.10
7.783	0.900	0.897	134.61	3.357	9.51	4.32	6.10
7.809	0.900	0.897	134.61	3.383	9.51	4.35	6.10
7.833	0.900	0.897	134.61	3.407	9.51	4.38	6.10
7.859	0.900	0.897	134.61	3.433	9.51	4.41	6.10
7.883	0.900	0.897	134.61	3.457	9.51	4.44	6.10
7.909	0.900	0.897	134.61	3.483	9.51	4.47	6.10
7.933	0.900	0.897	134.61	3.507	9.51	4.50	6.10
7.959	0.900	0.897	134.61	3.533	9.51	4.53	6.10
7.983	0.900	0.897	134.61	3.557	9.51	4.56	6.10
8.009	0.900	0.897	134.61	3.583	9.51	4.59	6.10
8.033	0.900	0.897	134.61	3.607	9.51	4.62	6.10
8.059	0.900	0.897	134.61	3.633	9.51	4.65	6.10
8.083	0.900	0.897	134.61	3.657	9.51	4.68	6.10
8.107	0.900	0.897	134.61	3.683	9.51	4.71	6.10
8.133	0.900	0.897	134.61	3.707	9.51	4.74	6.10
8.157	0.900	0.897	134.61	3.733	9.51	4.77	6.10
8.183	0.900	0.897	134.61	3.757	9.51	4.80	6.10
8.209	0.900	0.897	134.61	3.783	9.51	4.83	6.10
8.233	0.900	0.897	134.61	3.807	9.51	4.86	6.10
8.259	0.900	0.897	134.61	3.833	9.51	4.89	6.10
8.283	0.900	0.897	134.61	3.857	9.51	4.92	6.10
8.309	0.900	0.897	134.61	3.883	9.51	4.95	6.10
8.333	0.900	0.897	134.61	3.907	9.51	4.98	6.10
8.359	0.900	0.897	134.61	3.933	9.51	5.01	6.10
8.383	0.900	0.897	134.61	3.957	9.51	5.04	6.10
8.409	0.900	0.897	134.61	3.983	9.51	5.07	6.10
8.433	0.900	0.897	134.61	4.007	9.51	5.10	6.10
8.459	0.900	0.897	134.61	4.033	9.51	5.13	6.10
8.483	0.900	0.897	134.61	4.057	9.51	5.16	6.10
8.509	0.900	0.897	134.61	4.083	9.51	5.19	6.10
8.533	0.900	0.897	134.61	4.107	9.51	5.22	6.10
8.559	0.900	0.897	134.61	4.133	9.51	5.25	6.10
8.583	0.900	0.897	134.61	4.157	9.51	5.28	6.10
8.609	0.900	0.897	134.61	4.183	9.51	5.31	6.10
8.633	0.900	0.897	134.61	4.207	9.51	5.34	6.10
8.659	0.900	0.897	134.61	4.233	9.51	5.37	6.10
8.683	0.900	0.897	134.61	4.257	9.51	5.40	6.10
8.709	0.900	0.897	134.61	4.283	9.51	5.43	6.10
8.733	0.900	0.897	134.61	4.307	9.51	5.46	6.10
8.759	0.900	0.897	134.61	4.333	9.51	5.49	6.10
8.783	0.900	0.897	134.61	4.357	9.51	5.52	6.10
8.809	0.900	0.897	134.61	4.383	9.51	5.55	6.10
8.833	0.900	0.897	134.61	4.407	9.51	5.58	6.10
8.859	0.900	0.897	134.61	4.433	9.51	5.61	6.10
8.883	0.900	0.897	134.61	4.457	9.51	5.64	6.10
8.909	0.900	0.897	134.61	4.483	9.51	5.67	6.10
8.933	0.900	0.897	134.61	4.507	9.51	5.70	6.10
8.959	0.900	0.897	134.61	4.533	9.51	5.73	6.10
8.983	0.900	0.897	134.61	4.557	9.51	5.76	6.10
9.009	0.900	0.897	134.61	4.583	9.51	5.79	6.10
9.033	0.900	0.897	134.61	4.607	9.51	5.82	6.10
9.059	0.900	0.897	134.61	4.633	9.51	5.85	6.10
9.083	0.900	0.897	134.61	4.657	9.51	5.88	6.10
9.107	0.900	0.897	134.61	4.683	9.51	5.91	6.10
9.133	0.900	0.897	134.61	4.707	9.51	5.94	6.10
9.157	0.900	0.897	134.61	4.733	9.51	5.97	6.10
9.183	0.900	0.897	134.61	4.757	9.51	6.00	6.10
9.209	0.900	0.897	134.61	4.783	9.51	6.03	6.10
9.233	0.900	0.897	134.61	4.807	9.51	6.06	6.10
9.259	0.900	0.897	134.61	4.833	9.51	6.09	6.10
9.283	0.900	0.897	134.61	4.857	9.51	6.12	6.10
9.309	0.900	0.897	134.61	4.883	9.51	6.15	6.10
9.333	0.900	0.897	134.61	4.907	9.51	6.18	6.10
9.359	0.900	0.897	134.61	4.933	9.51	6.21	6.10
9.383	0.900	0.897	134.61	4.957	9.51	6.24	6.10
9.409	0.900	0.897	134.61	4.983	9.51	6.27	6.10
9.433	0.900	0.897	134.61	5.007	9.51	6.30	6.10
9.459	0.900	0.897	134.61	5.033	9.51	6.33	6.10
9.483	0.900	0.897	134.61	5.057	9.51	6.36	6.10
9.509	0.900	0.897	134.61	5.083	9.51	6.39	6.10
9.533	0.900	0.897	134.61	5.107	9.51	6.42	6.10
9.559	0.900	0.897	134.61	5.133	9.51	6.45	6.10
9.583	0.900	0.897	134.61	5.157	9.51	6.48	6.10
9.609	0.900	0.897	134.61	5.183	9.51	6.51	6.10
9.633	0.900	0.897	134.61	5.207	9.51	6.54	6.10
9.659	0.900	0.897	134.61	5.233	9.51	6.57	6.10
9.683	0.900	0.897	134.61	5.257	9.51	6.60	6.10
9.709	0.900	0.897	134.61	5.283	9.51	6.63	6.10
9.733	0.900	0.897	134.61	5.307	9.51	6.66	6.10
9.759	0.900	0.897	134.61	5.333	9.51	6.69	6.10</

0.217	6.74	1.089	14.46	1.783	19.91	2.57	8.12
0.233	6.74	1.089	17.03	1.899	19.91	2.58	9.12
0.257	7.12	1.089	17.93	1.833	19.91	2.62	7.68
0.283	7.12	1.089	17.93	1.859	16.80	2.63	7.68
0.307	7.12	1.100	20.95	1.883	16.80	2.67	7.68
0.333	7.12	1.117	20.95	1.900	16.80	2.68	7.29
0.357	7.55	1.133	20.95	1.937	14.62	2.72	7.29
0.383	7.55	1.167	20.95	1.950	14.62	2.73	7.29
0.409	7.55	1.183	27.75	1.967	14.62	2.77	7.29
0.433	8.60	1.217	27.75	2.000	14.62	2.78	6.94
0.459	8.60	1.233	27.75	2.017	13.00	2.80	6.94
0.483	8.60	1.267	42.65	2.050	13.00	2.85	6.63
0.509	8.60	1.283	42.65	2.067	13.00	2.86	6.63
0.533	8.65	1.317	42.65	2.100	11.74	2.88	6.63
0.559	8.65	1.333	42.65	2.117	11.74	2.90	6.63
0.583	9.36	1.383	100.53	2.150	11.74	2.93	6.35
0.609	9.36	1.417	100.53	2.203	10.73	2.97	6.35
0.633	9.36	1.450	134.61	2.223	10.73	3.02	6.10
0.659	9.36	1.483	134.61	2.267	9.91	3.07	6.10
0.683	10.21	1.500	134.61	2.283	9.91	3.08	6.10
0.709	10.21	1.533	52.54	2.317	9.91	3.08	6.10
0.733	11.28	1.550	52.54	2.333	9.91	3.08	6.10
0.759	11.28	1.567	52.54	2.350	9.91	3.08	6.10
0.783	11.28	1.583	52.54	2.367	9.91	3.08	6.10
0.807	11.28	1.600	52.54	2.383	9.91	3.08	6.10
0.833	11.28	1.617	52.54	2.400	9.91	3.08	6.10
0.857	11.28	1.633	52.54	2.417	9.91	3.08	6.10
0.883	11.28	1.650	52.54	2.433	9.91	3.08	6.10
0.907	11.28	1.667	52.54	2.450	9.91	3.08	6.10
0.933	11.28	1.683	52.54	2.467	9.91	3.08	6.10
0.957	11.28	1.700	52.54	2.483	9.91	3.08	6.10
0.983	11.28	1.717	52.54	2.500	9.91	3.08	6.10
1.007	11.28	1.733	52.54	2.517	9.91	3.08	6.10
1.033	11.28	1.750	52.54	2.533	9.91	3.08	6.10
1.057	11.28	1.767	52.54	2.550	9.91	3.08	6.10
1.083	11.28	1.783	52.54	2.567	9.91	3.08	6.10
1.107	11.28	1.800	52.54	2.583	9.91	3.08	6.10
1.133	11.28	1.817	52.54	2.600	9.91	3.08	6.10
1.157	11.28	1.833	52.54	2.617	9.91	3.08	6.10
1.183	11.28	1.850	52.54	2.633	9.91	3.08	6.10
1.207	11.28	1.867	52.54	2.650	9.91	3.08	6.10
1.233	11.28	1.883	52.54	2.667	9.91	3.08	6.10
1.257	11.28	1.900	52.54	2.683	9.91	3.08	6.10
1.283	11.28	1.917	52.54	2.700	9.91	3.08	6.10
1.307	11.28	1.933	52.54	2.717	9.91	3.08	6.10
1.333	11.28	1.950	52.54	2.733	9.91	3.08	6.10
1.357	11.28	1.967	52.54	2.750	9.91	3.08	6.10
1.383	11.28	1.983	52.54	2.767	9.91	3.08	6.10
1.407	11.28	2.000	52.54	2.783	9.91	3.08	6.10
1.433	11.28	2.017	52.54	2.800	9.91	3.08	6.10
1.457	11.28	2.033	52.54	2.817	9.91	3.08	6.10
1.483	11.28	2.050	52.54	2.833	9.91	3.08	6.10
1.507	11.28	2.067	52.54	2.850	9.91	3.08	6.10
1.533	11.28	2.083	52.54	2.867	9.91	3.08	6.10
1.557	11.28	2.100	52.54	2.883	9.91	3.08	6.10
1.583	11.28	2.117	52.54	2.900	9.91	3.08	6.10
1.607	11.28	2.133	52.54	2.917	9.91	3.08	6.10
1.633	11.28	2.150	52.54	2.933	9.91	3.08	6.10
1.657	11.28	2.167	52.54	2.950	9.91	3.08	6.10
1.683	11.28	2.183	52.54	2.967	9.91	3.08	6.10
1.707	11.28	2.200	52.54	2.983	9.91	3.08	6.10
1.733	11.28	2.217	52.54	3.000	9.91	3.08	6.10
1.757	11.28	2.233	52.54	3.017	9.91	3.08	6.10
1.783	11.28	2.250	52.54	3.033	9.91	3.08	6.10
1.807	11.28	2.267	52.54	3.050	9.91	3.08	6.10
1.833	11.28	2.283	52.54	3.067	9.91	3.08	6.10
1.857	11.28	2.300	52.54	3.083	9.91	3.08	6.10
1.883	11.28	2.317	52.54	3.100	9.91	3.08	6.10
1.907	11.28	2.333	52.54	3.117	9.91	3.08	6.10
1.933	11.28	2.350	52.54	3.133	9.91	3.08	6.10
1.957	11.28	2.367	52.54	3.150	9.91	3.08	6.10
1.983	11.28	2.383	52.54	3.167	9.91	3.08	6.10
2.007	11.28	2.400	52.54	3.183	9.91	3.08	6.10
2.033	11.28	2.417	52.54	3.200	9.91	3.08	6.10
2.057	11.28	2.433	52.54	3.217	9.91	3.08	6.10
2.083	11.28	2.450	52.54	3.233	9.91	3.08	6.10
2.107	11.28	2.467	52.54	3.250	9.91	3.08	6.10
2.133	11.28	2.483	52.54	3.267	9.91	3.08	6.10
2.157	11.28	2.500	52.54	3.283	9.91	3.08	6.10
2.183	11.28	2.517	52.54	3.300	9.91	3.08	6.10
2.207	11.28	2.533	52.54	3.317	9.91	3.08	6.10
2.233	11.28	2.550	52.54	3.333	9.91	3.08	6.10
2.257	11.28	2.567	52.54	3.350	9.91	3.08	6.10
2.283	11.28	2.583	52.54	3.367	9.91	3.08	6.10
2.307	11.28	2.600	52.54	3.383	9.91	3.08	6.10
2.333	11.28	2.617	52.54	3.400	9.91	3.08	6.10
2.357	11.28	2.633	52.54	3.417	9.91	3.08	6.10
2.383	11.28	2.650	52.54	3.433	9.91	3.08	6.10
2.407	11.28	2.667	52.54	3.450	9.91	3.08	6.10
2.433	11.28	2.683	52.54	3.467	9.91	3.08	6.10
2.457	11.28	2.700	52.54	3.483	9.91	3.08	6.10
2.483	11.28	2.717	52.54	3.500	9.91	3.08	6.10
2.507	11.28	2.733	52.54	3.517	9.91	3.08	6.10
2.533	11.28	2.750	52.54	3.533	9.91	3.08	6.10
2.557	11.28	2.767	52.54	3.550	9.91	3.08	6.10
2.583	11.28	2.783	52.54	3.567	9.91	3.08	6.10
2.607	11.28	2.800	52.54	3.583	9.91	3.08	6.10
2.633	11.28	2.817	52.54	3.600	9.91	3.08	6.10
2.657	11.28	2.833	52.54	3.617	9.91	3.08	6.10
2.683	11.28	2.850	52.54	3.633	9.91	3.08	6.10
2.707	11.28	2.867	52.54	3.650	9.91	3.08	6.10
2.733	11.28	2.883	52.54	3.667	9.91	3.08	6.10
2.757	11.28	2.900	52.54	3.683	9.91	3.08	6.10
2.783	11.28	2.917	52.54	3.700	9.91	3.08	6.10
2.807	11.28	2.933	52.54	3.717	9.91	3.08	6.10
2.833	11.28	2.950	52.54	3.733	9.91	3.08	6.10
2.857	11.28	2.967	52.54	3.750	9.91	3.08	6.10
2.883	11.28	2.983	52.54	3.767	9.91	3.08	6.10
2.907	11.28	3.000	52.54	3.783	9.91	3.08	6.10
2.933	11.28	3.017	52.54	3.800	9.91	3.08	6.10
2.957	11.28	3.033	52.54	3.817	9.91	3.08	6.10
2.983	11.28	3.050	52.54	3.833	9.91	3.08	6.10
3.007	11.28	3.067	52.54	3.850	9.91	3.08	6.10
3.033	11.28	3.083	52.54	3.867	9.91	3.08	6.10
3.057	11.28	3.100	52.54	3.883	9.91	3.08	6.10
3.083	11.28	3.117	52.54	3.900	9.91	3.08	6.10
3.107	11.28	3.133	52.54	3.917	9.91	3.08	6.10
3.133	11.28	3.150	52.54	3.933	9.91	3.08	6.10
3.157	11.28	3.167	52.54	3.950	9.91	3.08	6.10
3.183	11.28	3.183	52.54	3.967	9.91	3.08	6.10
3.207	11.28	3.200	52.54	3.983	9.91	3.08	6.10
3.233	11.28	3.217	52.54	4.000	9.91	3.08	6.10
3.257	11.28	3.233	52.54	4.017	9.91	3.08	6.10
3.283	11.28	3.250	52.54	4.033	9.91	3.08	6.10
3.307	11.28	3.267	52.54	4.050	9.91	3.08	6.10
3.333	11.28	3.283	52.54	4.067	9.91	3.08	6.10
3.357	11.28	3.300	52.54	4.083	9.91	3.08	6.10
3.383	11.28	3.317	52.54	4.100	9.91	3.08	6.10
3.407	11.28	3.333	52.54	4.117	9.91	3.08	6.10
3.433	11.28	3.350	52.54	4.133	9.91	3.08	6.10
3.457	11.28	3.367	52.54	4.150	9.91	3.08	6.10
3.483	11.28	3.383	52.54	4.167	9.91	3.08	6.10
3.507	11.28	3.400	52.54	4.183	9.91	3.08	6.10
3.533	11.28	3.417	52.54	4.200	9.91	3.08	6.10
3.557	11.28	3.433	52.54	4.217	9.91	3.08	6.10
3.583	11.28	3.450	52.54	4.233	9.91	3.08	6.10
3.607	11.28	3.467	52.54	4.250	9.91	3.08	6.10
3.633	11.28	3.483	52.54	4.267	9.91	3.08	6.10
3.657	11.28	3.500	52.54	4.283	9.91	3.08	6.10
3.683	11.28	3.517	52.54	4.300	9.91	3.08	6.10
3.707	11.28	3.533	52.54	4.317	9.91	3.08	6.10
3.733	11.28	3.550	52.54	4.333	9.91	3.08	6.10
3.757	11.28	3.567	52.54	4.350	9.91	3.08	6.10
3.783	11.28	3.583	52.54	4.367	9.91	3.08	6.10
3.807	11.28	3.600	52.54	4.383	9.91	3.08	6.10
3.833	11.28	3.617	52.54	4.400	9.91	3.08	6.10
3.857	11.28	3.633	52.54	4.417	9.91	3.08	6.10
3.883	11.28	3.650	52.54	4.433	9.91	3.08	6.10
3.907	11.28	3.667	52.54	4.450	9.91	3.0	

5.83 1.83 12.90 140.11 18.17 2.06 2.06
6.00 1.83 12.17 16.48 18.33 2.06 2.06

Area (in) = 0.00 Curve Number (CN) = 90.0
WASHD (0.025in) (mm) = 0.35 # of Linear Res. (N) = 3.00
10s 1 Dt= 1.0 min U.H. Tr(Ns) = 0.11

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

TRANSFORMED HYETOGRAPH									
TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.017	0.06	1.83	12.117	140.11	18.17	2.06	2.06	2.06	2.06
0.060	0.06	1.83	12.117	140.11	18.17	2.06	2.06	2.06	2.06
0.067	0.06	1.83	12.150	140.11	18.17	2.06	2.06	2.06	2.06
0.069	0.06	1.83	12.150	140.11	18.17	2.06	2.06	2.06	2.06
0.080	0.06	1.83	12.200	16.48	18.25	2.06	2.06	2.06	2.06
0.117	0.06	1.83	12.217	16.48	18.27	2.06	2.06	2.06	2.06
0.117	0.06	1.83	12.217	16.48	18.27	2.06	2.06	2.06	2.06
0.150	0.06	1.83	12.253	16.48	18.30	2.06	2.06	2.06	2.06
0.150	0.06	1.83	12.253	16.48	18.30	2.06	2.06	2.06	2.06
0.167	0.06	1.83	12.267	16.48	18.32	2.06	2.06	2.06	2.06
0.200	0.06	1.83	12.267	16.48	18.32	2.06	2.06	2.06	2.06
0.200	0.06	1.83	12.267	16.48	18.32	2.06	2.06	2.06	2.06
0.217	1.26	6.067	2.06	12.317	16.48	18.37	2.06	2.06	2.06
0.217	1.26	6.067	2.06	12.317	16.48	18.37	2.06	2.06	2.06
0.250	0.06	1.83	12.353	16.48	18.38	2.06	2.06	2.06	2.06
0.250	0.06	1.83	12.353	16.48	18.38	2.06	2.06	2.06	2.06
0.267	1.26	6.317	2.06	12.367	16.48	18.42	2.06	2.06	2.06
0.267	1.26	6.317	2.06	12.367	16.48	18.42	2.06	2.06	2.06
0.283	1.26	6.333	2.06	12.383	16.48	18.43	2.06	2.06	2.06
0.283	1.26	6.333	2.06	12.383	16.48	18.43	2.06	2.06	2.06
0.317	1.26	6.367	2.06	12.417	16.48	18.47	2.06	2.06	2.06
0.317	1.26	6.367	2.06	12.417	16.48	18.47	2.06	2.06	2.06
0.350	0.06	1.83	12.453	16.48	18.48	2.06	2.06	2.06	2.06
0.350	0.06	1.83	12.453	16.48	18.48	2.06	2.06	2.06	2.06
0.367	1.26	6.417	2.06	12.467	16.48	18.52	2.06	2.06	2.06
0.367	1.26	6.417	2.06	12.467	16.48	18.52	2.06	2.06	2.06
0.400	0.06	1.83	12.517	16.48	18.57	2.06	2.06	2.06	2.06
0.400	0.06	1.83	12.517	16.48	18.57	2.06	2.06	2.06	2.06
0.417	1.26	6.467	2.06	12.533	16.48	18.57	2.06	2.06	2.06
0.417	1.26	6.467	2.06	12.533	16.48	18.57	2.06	2.06	2.06
0.450	0.06	1.83	12.567	16.48	18.58	2.06	2.06	2.06	2.06
0.450	0.06	1.83	12.567	16.48	18.58	2.06	2.06	2.06	2.06
0.467	1.26	6.500	2.06	12.567	16.48	18.59	2.06	2.06	2.06
0.467	1.26	6.500	2.06	12.567	16.48	18.59	2.06	2.06	2.06
0.500	1.26	6.560	2.06	12.600	16.48	18.62	2.06	2.06	2.06
0.500	1.26	6.560	2.06	12.600	16.48	18.62	2.06	2.06	2.06
0.517	1.26	6.583	2.06	12.617	16.48	18.63	2.06	2.06	2.06
0.517	1.26	6.583	2.06	12.617	16.48	18.63	2.06	2.06	2.06
0.550	1.26	6.660	2.06	12.650	16.48	18.66	2.06	2.06	2.06
0.550	1.26	6.660	2.06	12.650	16.48	18.66	2.06	2.06	2.06
0.567	1.26	6.683	2.06	12.667	16.48	18.67	2.06	2.06	2.06
0.567	1.26	6.683	2.06	12.667	16.48	18.67	2.06	2.06	2.06
0.600	1.26	6.760	2.06	12.700	16.48	18.70	2.06	2.06	2.06
0.600	1.26	6.760	2.06	12.700	16.48	18.70	2.06	2.06	2.06
0.617	1.26	6.783	2.06	12.717	16.48	18.71	2.06	2.06	2.06
0.617	1.26	6.783	2.06	12.717	16.48	18.71	2.06	2.06	2.06
0.650	1.26	6.860	2.06	12.750	16.48	18.75	2.06	2.06	2.06
0.650	1.26	6.860	2.06	12.750	16.48	18.75	2.06	2.06	2.06
0.667	1.26	6.883	2.06	12.767	16.48	18.76	2.06	2.06	2.06
0.667	1.26	6.883	2.06	12.767	16.48	18.76	2.06	2.06	2.06
0.700	1.26	6.960	2.06	12.800	16.48	18.78	2.06	2.06	2.06
0.700	1.26	6.960	2.06	12.800	16.48	18.78	2.06	2.06	2.06
0.717	1.26	6.983	2.06	12.817	16.48	18.79	2.06	2.06	2.06
0.717	1.26	6.983	2.06	12.817	16.48	18.79	2.06	2.06	2.06
0.750	1.26	7.060	2.06	12.850	16.48	18.82	2.06	2.06	2.06
0.750	1.26	7.060	2.06	12.850	16.48	18.82	2.06	2.06	2.06
0.767	1.26	7.083	2.06	12.867	16.48	18.83	2.06	2.06	2.06
0.767	1.26	7.083	2.06	12.867	16.48	18.83	2.06	2.06	2.06
0.783	1.26	7.100	2.06	12.883	16.48	18.84	2.06	2.06	2.06
0.783	1.26	7.100	2.06	12.883	16.48	18.84	2.06	2.06	2.06
0.817	1.26	7.183	2.06	12.917	16.48	18.87	2.06	2.06	2.06
0.817	1.26	7.183	2.06	12.917	16.48	18.87	2.06	2.06	2.06
0.850	1.26	7.260	2.06	12.950	16.48	18.90	2.06	2.06	2.06
0.850	1.26	7.260	2.06	12.950	16.48	18.90	2.06	2.06	2.06
0.867	1.26	7.283	2.06	12.967	16.48	18.91	2.06	2.06	2.06
0.867	1.26	7.283	2.06	12.967	16.48	18.91	2.06	2.06	2.06
0.900	1.26	7.360	2.06	13.000	16.48	18.94	2.06	2.06	2.06
0.900	1.26	7.360	2.06	13.000	16.48	18.94	2.06	2.06	2.06
0.917	1.26	7.383	2.06	13.017	16.48	18.95	2.06	2.06	2.06
0.917	1.26	7.383	2.06	13.017	16.48	18.95	2.06	2.06	2.06
0.950	1.26	7.460	2.06	13.050	16.48	18.98	2.06	2.06	2.06
0.950	1.26	7.460	2.06	13.050	16.48	18.98	2.06	2.06	2.06
0.967	1.26	7.483	2.06	13.067	16.48	18.99	2.06	2.06	2.06
0.967	1.26	7.483	2.06	13.067	16.48	18.99	2.06	2.06	2.06
1.000	1.26	7.560	2.06	13.100	16.48	19.02	2.06	2.06	2.06
1.000	1.26	7.560	2.06	13.100	16.48	19.02	2.06	2.06	2.06
1.017	1.26	7.583	2.06	13.117	16.48	19.03	2.06	2.06	2.06
1.017	1.26	7.583	2.06	13.117	16.48	19.03	2.06	2.06	2.06
1.050	1.26	7.660	2.06	13.150	16.48	19.06	2.06	2.06	2.06
1.050	1.26	7.660	2.06	13.150	16.48	19.06	2.06	2.06	2.06
1.067	1.26	7.683	2.06	13.167	16.48	19.07	2.06	2.06	2.06
1.067	1.26	7.683	2.06	13.167	16.48	19.07	2.06	2.06	2.06
1.100	1.26	7.760	2.06	13.200	16.48	19.10	2.06	2.06	2.06
1.100	1.26	7.760	2.06	13.200	16.48	19.10	2.06	2.06	2.06
1.117	1.26	7.783	2.06	13.217	16.48	19.11	2.06	2.06	2.06
1.117	1.26	7.783	2.06	13.217	16.48	19.11	2.06	2.06	2.06
1.150	1.26	7.860	2.06	13.250	16.48	19.14	2.06	2.06	2.06
1.150	1.26	7.860	2.06	13.250	16.48	19.14	2.06	2.06	2.06
1.167	1.26	7.883	2.06	13.267	16.48	19.15	2.06	2.06	2.06
1.167	1.26	7.883	2.06	13.267	16.48	19.15	2.06	2.06	2.06
1.200	1.26	7.960	2.06	13.300	16.48	19.18	2.06	2.06	2.06
1.200	1.26	7.960	2.06	13.300	16.48	19.18	2.06	2.06	2.06
1.217	1.26	7.983	2.06	13.317	16.48	19.19	2.06	2.06	2.06
1.217	1.26	7.983	2.06	13.317	16.48	19.19	2.06	2.06	2.06
1.250	1.26	8.060	2.06	13.350	16.48	19.22	2.06	2.06	2.06
1.250	1.26	8.060	2.06	13.350	16.48	19.22	2.06	2.06	2.06
1.267	1.26	8.083	2.06	13.367	16.48	19.23	2.06	2.06	2.06
1.267	1.26	8.083	2.06	13.367	16.48	19.23	2.06	2.06	2.06
1.300	1.26	8.160	2.06	13.400	16.48	19.26	2.06	2.06	2.06
1.300	1.26	8.160	2.06	13.400	16.48	19.26	2.06	2.06	2.06
1.317	1.26	8.183	2.06	13.417	16.48	19.27	2.06	2.06	2.06
1.317	1.26	8.183	2.06	13.417	16.48	19.27	2.06	2.06	2.06
1.350	1.26	8.260	2.06	13.450	16.48	19.30	2.06	2.06	2.06
1.350	1.26	8.260	2.06	13.450	16.48	19.30	2.06	2.06	2.06
1.367	1.26	8.283	2.06	13.467	16.48	19.31	2.06	2.06	2.06
1.367	1.26	8.283	2.06	13.467	16.48	19.31	2.06	2.06	2.06
1.400	1.26	8.360	2.06	13.500	16.48	19.34	2.06	2.06	2.06
1.400	1.26	8.360	2.06	13.500	16.48	19.34	2.06	2.06	2.06
1.417	1.26	8.383	2.06	13.517	16.48	19.35	2.06	2.06	2.06
1.417	1.26	8.383	2.06	13.517	16.48	19.35	2.06	2.06	2.06
1.450	1.26	8.460	2.06	13.550	16.48	19.38	2.06	2.06	2.06
1.450	1.26	8.460	2.06	13.550	16.48	19.38	2.06	2.06	2.06
1.467	1.26	8.483	2.06	13.567	16.48	19.39	2.06	2.06	2.06
1.467	1.26	8.483	2.06	13.567	16.48	19.39	2.06	2.06	2.06
1.500	1.26	8.560	2.06	13.600	16.48	19.42	2.06	2.06	2.06
1.500	1.26	8.560	2.06	13.600	16.48	19.42	2.06	2.06	2.06
1.517	1.26	8.583	2.06	13.617	16.48	19.43	2.06	2.06	2.06
1.517	1.26	8.583	2.06	13.617	16.48	19.43	2.06	2.06	2.06
1.550	1.26	8.660	2.06	13.650	16.48	19.46	2.06	2.06	

4.800	1.48	10.059	4.12	16.100	9.43	22.15	1.37	23.22	1.37
4.817	1.49	10.067	4.12	16.117	9.43	22.17	1.37	23.23	1.37
4.834	1.49	10.074	4.12	16.134	9.43	22.19	1.37	23.24	1.37
4.850	1.48	10.100	4.12	16.150	9.43	22.20	1.37	23.25	1.37
4.867	1.48	10.117	4.12	16.167	9.43	22.22	1.37	23.26	1.37
4.883	1.48	10.134	4.12	16.184	9.43	22.23	1.37	23.27	1.37
4.899	1.48	10.150	4.12	16.200	9.43	22.24	1.37	23.28	1.37
4.916	1.48	10.167	4.12	16.217	9.43	22.25	1.37	23.29	1.37
4.932	1.48	10.184	4.12	16.234	9.43	22.26	1.37	23.30	1.37
4.948	1.48	10.200	4.12	16.250	9.43	22.27	1.37	23.31	1.37
4.965	1.48	10.217	4.12	16.267	9.43	22.28	1.37	23.32	1.37
4.981	1.48	10.233	4.12	16.283	9.43	22.29	1.37	23.33	1.37
4.998	1.48	10.250	4.12	16.300	9.43	22.30	1.37	23.34	1.37
5.014	1.48	10.267	4.12	16.317	9.43	22.31	1.37	23.35	1.37
5.031	1.48	10.283	4.12	16.333	9.43	22.32	1.37	23.36	1.37
5.047	1.48	10.300	4.12	16.350	9.43	22.33	1.37	23.37	1.37
5.064	1.48	10.317	4.12	16.367	9.43	22.34	1.37	23.38	1.37
5.080	1.48	10.333	4.12	16.383	9.43	22.35	1.37	23.39	1.37
5.097	1.48	10.350	4.12	16.400	9.43	22.36	1.37	23.40	1.37
5.113	1.48	10.367	4.12	16.417	9.43	22.37	1.37	23.41	1.37
5.130	1.48	10.383	4.12	16.433	9.43	22.38	1.37	23.42	1.37
5.146	1.48	10.400	4.12	16.450	9.43	22.39	1.37	23.43	1.37
5.163	1.48	10.417	4.12	16.467	9.43	22.40	1.37	23.44	1.37
5.179	1.48	10.433	4.12	16.483	9.43	22.41	1.37	23.45	1.37
5.196	1.48	10.450	4.12	16.500	9.43	22.42	1.37	23.46	1.37
5.212	1.48	10.467	4.12	16.517	9.43	22.43	1.37	23.47	1.37
5.229	1.48	10.483	4.12	16.533	9.43	22.44	1.37	23.48	1.37
5.245	1.48	10.500	4.12	16.550	9.43	22.45	1.37	23.49	1.37
5.262	1.48	10.517	4.12	16.567	9.43	22.46	1.37	23.50	1.37
5.278	1.48	10.533	4.12	16.583	9.43	22.47	1.37	23.51	1.37
5.295	1.48	10.550	4.12	16.600	9.43	22.48	1.37	23.52	1.37
5.311	1.48	10.567	4.12	16.617	9.43	22.49	1.37	23.53	1.37
5.328	1.48	10.583	4.12	16.633	9.43	22.50	1.37	23.54	1.37
5.344	1.48	10.600	4.12	16.650	9.43	22.51	1.37	23.55	1.37
5.361	1.48	10.617	4.12	16.667	9.43	22.52	1.37	23.56	1.37
5.377	1.48	10.633	4.12	16.683	9.43	22.53	1.37	23.57	1.37
5.394	1.48	10.650	4.12	16.700	9.43	22.54	1.37	23.58	1.37
5.410	1.48	10.667	4.12	16.717	9.43	22.55	1.37	23.59	1.37
5.427	1.48	10.683	4.12	16.733	9.43	22.56	1.37	23.60	1.37
5.443	1.48	10.700	4.12	16.750	9.43	22.57	1.37	23.61	1.37
5.460	1.48	10.717	4.12	16.767	9.43	22.58	1.37	23.62	1.37
5.476	1.48	10.733	4.12	16.783	9.43	22.59	1.37	23.63	1.37
5.493	1.48	10.750	4.12	16.800	9.43	22.60	1.37	23.64	1.37
5.509	1.48	10.767	4.12	16.817	9.43	22.61	1.37	23.65	1.37
5.526	1.48	10.783	4.12	16.833	9.43	22.62	1.37	23.66	1.37
5.542	1.48	10.800	4.12	16.850	9.43	22.63	1.37	23.67	1.37
5.559	1.48	10.817	4.12	16.867	9.43	22.64	1.37	23.68	1.37
5.575	1.48	10.833	4.12	16.883	9.43	22.65	1.37	23.69	1.37
5.592	1.48	10.850	4.12	16.900	9.43	22.66	1.37	23.70	1.37
5.608	1.48	10.867	4.12	16.917	9.43	22.67	1.37	23.71	1.37
5.625	1.48	10.883	4.12	16.933	9.43	22.68	1.37	23.72	1.37
5.641	1.48	10.900	4.12	16.950	9.43	22.69	1.37	23.73	1.37
5.658	1.48	10.917	4.12	16.967	9.43	22.70	1.37	23.74	1.37
5.674	1.48	10.933	4.12	16.983	9.43	22.71	1.37	23.75	1.37
5.691	1.48	10.950	4.12	16.999	9.43	22.72	1.37	23.76	1.37
5.707	1.48	10.967	4.12	17.016	9.43	22.73	1.37	23.77	1.37
5.724	1.48	10.983	4.12	17.033	9.43	22.74	1.37	23.78	1.37
5.740	1.48	10.700	4.12	16.750	9.43	22.75	1.37	23.79	1.37
5.757	1.48	10.717	4.12	16.767	9.43	22.76	1.37	23.80	1.37
5.773	1.48	10.733	4.12	16.783	9.43	22.77	1.37	23.81	1.37
5.790	1.48	10.750	4.12	16.800	9.43	22.78	1.37	23.82	1.37
5.806	1.48	10.767	4.12	16.817	9.43	22.79	1.37	23.83	1.37
5.823	1.48	10.783	4.12	16.833	9.43	22.80	1.37	23.84	1.37
5.839	1.48	10.800	4.12	16.850	9.43	22.81	1.37	23.85	1.37
5.856	1.48	10.817	4.12	16.867	9.43	22.82	1.37	23.86	1.37
5.872	1.48	10.833	4.12	16.883	9.43	22.83	1.37	23.87	1.37
5.889	1.48	10.850	4.12	16.900	9.43	22.84	1.37	23.88	1.37
5.905	1.48	10.867	4.12	16.917	9.43	22.85	1.37	23.89	1.37
5.922	1.48	10.883	4.12	16.933	9.43	22.86	1.37	23.90	1.37
5.938	1.48	10.900	4.12	16.950	9.43	22.87	1.37	23.91	1.37
5.955	1.48	10.917	4.12	16.967	9.43	22.88	1.37	23.92	1.37
5.971	1.48	10.933	4.12	16.983	9.43	22.89	1.37	23.93	1.37
5.988	1.48	10.950	4.12	16.999	9.43	22.90	1.37	23.94	1.37
5.999	1.48	10.967	4.12	17.016	9.43	22.91	1.37	23.95	1.37
6.010	1.48	10.983	4.12	17.033	9.43	22.92	1.37	23.96	1.37
6.021	1.48	10.999	4.12	17.050	9.43	22.93	1.37	23.97	1.37
6.032	1.48	11.016	4.12	17.067	9.43	22.94	1.37	23.98	1.37
6.043	1.48	11.033	4.12	17.083	9.43	22.95	1.37	23.99	1.37
6.054	1.48	11.050	4.12	17.100	9.43	22.96	1.37	24.00	1.37
6.065	1.48	11.067	4.12	17.117	9.43	22.97	1.37	24.01	1.37
6.076	1.48	11.083	4.12	17.133	9.43	22.98	1.37	24.02	1.37
6.087	1.48	11.100	4.12	17.150	9.43	22.99	1.37	24.03	1.37
6.098	1.48	11.116	4.12	17.167	9.43	23.00	1.37	24.04	1.37
6.109	1.48	11.133	4.12	17.183	9.43	23.01	1.37	24.05	1.37
6.120	1.48	11.150	4.12	17.200	9.43	23.02	1.37	24.06	1.37
6.131	1.48	11.167	4.12	17.217	9.43	23.03	1.37	24.07	1.37
6.142	1.48	11.183	4.12	17.233	9.43	23.04	1.37	24.08	1.37
6.153	1.48	11.200	4.12	17.250	9.43	23.05	1.37	24.09	1.37
6.164	1.48	11.217	4.12	17.267	9.43	23.06	1.37	24.10	1.37
6.175	1.48	11.233	4.12	17.283	9.43	23.07	1.37	24.11	1.37
6.186	1.48	11.250	4.12	17.300	9.43	23.08	1.37	24.12	1.37
6.197	1.48	11.267	4.12	17.317	9.43	23.09	1.37	24.13	1.37
6.208	1.48	11.283	4.12	17.333	9.43	23.10	1.37	24.14	1.37
6.219	1.48	11.300	4.12	17.350	9.43	23.11	1.37	24.15	1.37
6.230	1.48	11.317	4.12	17.367	9.43	23.12	1.37	24.16	1.37
6.241	1.48	11.333	4.12	17.383	9.43	23.13	1.37	24.17	1.37
6.252	1.48	11.350	4.12	17.400	9.43	23.14	1.37	24.18	1.37
6.263	1.48	11.367	4.12	17.417	9.43	23.15	1.37	24.19	1.37
6.274	1.48	11.383	4.12	17.433	9.43	23.16	1.37	24.20	1.37
6.285	1.48	11.400	4.12	17.450	9.43	23.17	1.37	24.21	1.37
6.296	1.48	11.417	4.12	17.467	9.43	23.18	1.37	24.22	1.37
6.307	1.48	11.433	4.12	17.483	9.43	23.19	1.37	24.23	1.37
6.318	1.48	11.450	4.12	17.500	9.43	23.20	1.37	24.24	1.37
6.329	1.48	11.467	4.12	17.517	9.43	23.21	1.37	24.25	1.37
6.340	1.48	11.483	4.12	17.533	9.43	23.22	1.37	24.26	1.37
6.351	1.48	11.500	4.12	17.550	9.43	23.23	1.37	24.27	1.37
6.362	1.48	11.517	4.12	17.567	9.43	23.24	1.37	24.28	1.37
6.373	1.48	11.533	4.12	17.583	9.43	23.25	1.37	24.29	1.37
6.384	1.48	11.550	4.12	17.600	9.43	23.26	1.37	24.30	1.37
6.395	1.48	11.567	4.12	17.617	9.43	23.27	1.37	24.31	1.37
6.406	1.48	11.583	4.12	17.633	9.43	23.28	1.37	24.32	1.37
6.417	1.48	11.600	4.12	17.650	9.43	23.29	1.37	24.33	1.37
6.428	1.48	11.617	4.12	17.667	9.43	23.30	1.37	24.34	1.37
6.439	1.48	11.633	4.12	17.683	9.43	23.31	1.37	24.35	1.37
6.450	1.48	11.650	4.12	17.700	9.43	23.32	1.37	24.36	1.37
6.461	1.48	11.667	4.12	17.717	9.43	23.33	1.37	24.37	1.37
6.472	1.48	11.683	4.12	17.733	9.43	23.34	1.37	24.38	1.37
6.483	1.48	11.700	4.12	17.750	9.43	23.35	1.37	24.39	1.37
6.494	1.48	11.717	4.12	17.767	9.43	23.36	1.37	24.40	1.37
6.505	1.48	11.733	4.12	17.783	9.43	23.37	1.37	24.41	1.37

1.817	1.26	7.867	2.52	13.917	4.81	19.97	2.06	2.883	1.49	8.933	9.21	14.583	3.43	21.93	1.37
1.833	1.26	7.883	2.52	13.933	4.81	19.98	2.06	2.900	1.49	8.959	9.21	15.000	3.43	21.95	1.37
1.850	1.26	7.900	2.52	13.950	4.81	20.00	2.06	2.917	1.49	8.985	9.21	15.417	3.43	21.97	1.37
1.867	1.26	7.917	2.52	13.967	4.81	20.02	2.06	2.934	1.49	9.011	9.21	15.833	3.43	21.99	1.37
1.883	1.26	7.933	2.52	13.983	4.81	20.03	2.06	2.951	1.49	9.038	9.21	16.250	3.43	22.01	1.37
1.900	1.26	7.950	2.52	14.000	4.81	20.05	2.06	2.968	1.49	9.064	9.21	16.667	3.43	22.03	1.37
1.917	1.26	7.967	2.52	14.017	4.81	20.07	2.06	2.985	1.49	9.091	9.21	17.083	3.43	22.05	1.37
1.933	1.26	7.983	2.52	14.033	4.81	20.08	2.06	3.002	1.49	9.118	9.21	17.500	3.43	22.07	1.37
1.950	1.26	8.000	2.52	14.050	4.81	20.10	2.06	3.019	1.49	9.145	9.21	17.917	3.43	22.09	1.37
1.967	1.26	8.017	2.52	14.067	4.81	20.12	2.06	3.036	1.49	9.172	9.21	18.333	3.43	22.11	1.37
1.983	1.26	8.033	2.52	14.083	4.81	20.13	2.06	3.053	1.49	9.199	9.21	18.750	3.43	22.13	1.37
2.000	1.26	8.050	2.52	14.100	4.81	20.15	2.06	3.070	1.49	9.226	9.21	19.167	3.43	22.15	1.37
2.017	1.26	8.067	2.52	14.117	4.81	20.17	2.06	3.087	1.49	9.253	9.21	19.583	3.43	22.17	1.37
2.033	1.26	8.083	2.52	14.133	4.81	20.18	1.98	3.104	1.49	9.280	9.21	20.000	3.43	22.19	1.37
2.050	1.26	8.100	2.52	14.150	4.81	20.20	1.97	3.121	1.49	9.307	9.21	20.417	3.43	22.21	1.37
2.067	1.26	8.117	2.52	14.167	4.81	20.22	1.97	3.138	1.49	9.334	9.21	20.833	3.43	22.23	1.37
2.083	1.26	8.133	2.52	14.183	4.81	20.23	1.97	3.155	1.49	9.361	9.21	21.250	3.43	22.25	1.37
2.100	1.26	8.150	2.52	14.200	4.81	20.25	1.97	3.172	1.49	9.388	9.21	21.667	3.43	22.27	1.37
2.117	1.26	8.167	2.52	14.217	4.81	20.26	1.97	3.189	1.49	9.415	9.21	22.083	3.43	22.29	1.37
2.133	1.26	8.183	2.52	14.233	4.81	20.28	1.97	3.206	1.49	9.442	9.21	22.500	3.43	22.31	1.37
2.150	1.26	8.200	2.52	14.250	4.81	20.30	1.97	3.223	1.49	9.469	9.21	22.917	3.43	22.33	1.37
2.167	1.26	8.217	2.52	14.267	4.81	20.33	1.97	3.240	1.49	9.496	9.21	23.333	3.43	22.35	1.37
2.183	1.26	8.233	2.52	14.283	4.81	20.35	1.97	3.257	1.49	9.523	9.21	23.750	3.43	22.37	1.37
2.200	1.26	8.250	2.52	14.300	4.81	20.38	1.97	3.274	1.49	9.550	9.21	24.167	3.43	22.39	1.37
2.217	1.26	8.267	2.52	14.317	4.81	20.40	1.97	3.291	1.49	9.577	9.21	24.583	3.43	22.41	1.37
2.233	1.26	8.283	2.52	14.333	4.81	20.43	1.97	3.308	1.49	9.604	9.21	25.000	3.43	22.43	1.37
2.250	1.26	8.300	2.52	14.350	4.81	20.48	1.97	3.325	1.49	9.631	9.21	25.417	3.43	22.45	1.37
2.267	1.26	8.317	2.52	14.367	4.81	20.52	1.97	3.342	1.49	9.658	9.21	25.833	3.43	22.47	1.37
2.283	1.26	8.333	2.52	14.383	4.81	20.57	1.97	3.359	1.49	9.685	9.21	26.250	3.43	22.49	1.37
2.300	1.26	8.350	2.52	14.400	4.81	20.65	1.97	3.376	1.49	9.712	9.21	26.667	3.43	22.51	1.37
2.317	1.26	8.367	2.52	14.417	4.81	20.72	1.97	3.393	1.49	9.739	9.21	27.083	3.43	22.53	1.37
2.333	1.26	8.383	2.52	14.433	4.81	20.77	1.97	3.410	1.49	9.766	9.21	27.500	3.43	22.55	1.37
2.350	1.26	8.400	2.52	14.450	4.81	20.85	1.97	3.427	1.49	9.793	9.21	27.917	3.43	22.57	1.37
2.367	1.26	8.417	2.52	14.467	4.81	20.92	1.97	3.444	1.49	9.820	9.21	28.333	3.43	22.59	1.37
2.383	1.26	8.433	2.52	14.483	4.81	20.95	1.97	3.461	1.49	9.847	9.21	28.750	3.43	22.61	1.37
2.400	1.26	8.450	2.52	14.500	4.81	20.97	1.97	3.478	1.49	9.874	9.21	29.167	3.43	22.63	1.37
2.417	1.26	8.467	2.52	14.517	4.81	20.98	1.97	3.495	1.49	9.901	9.21	29.583	3.43	22.65	1.37
2.433	1.26	8.483	2.52	14.533	4.81	20.99	1.97	3.512	1.49	9.928	9.21	30.000	3.43	22.67	1.37
2.450	1.26	8.500	2.52	14.550	4.81	20.99	1.97	3.529	1.49	9.955	9.21	30.417	3.43	22.69	1.37
2.467	1.26	8.517	2.52	14.567	4.81	20.99	1.97	3.546	1.49	9.982	9.21	30.833	3.43	22.71	1.37
2.483	1.26	8.533	2.52	14.583	4.81	20.99	1.97	3.563	1.49	1.000	9.21	31.250	3.43	22.73	1.37
2.500	1.26	8.550	2.52	14.600	4.81	20.99	1.97	3.580	1.49	1.017	9.21	31.667	3.43	22.75	1.37
2.517	1.26	8.567	2.52	14.617	4.81	20.99	1.97	3.597	1.49	1.034	9.21	32.083	3.43	22.77	1.37
2.533	1.26	8.583	2.52	14.633	4.81	20.99	1.97	3.614	1.49	1.051	9.21	32.500	3.43	22.79	1.37
2.550	1.26	8.600	2.52	14.650	4.81	20.99	1.97	3.631	1.49	1.068	9.21	32.917	3.43	22.81	1.37
2.567	1.26	8.617	2.52	14.667	4.81	20.99	1.97	3.648	1.49	1.085	9.21	33.333	3.43	22.83	1.37
2.583	1.26	8.633	2.52	14.683	4.81	20.99	1.97	3.665	1.49	1.102	9.21	33.750	3.43	22.85	1.37
2.600	1.26	8.650	2.52	14.700	4.81	20.99	1.97	3.682	1.49	1.119	9.21	34.167	3.43	22.87	1.37
2.617	1.26	8.667	2.52	14.717	4.81	20.99	1.97	3.699	1.49	1.136	9.21	34.583	3.43	22.89	1.37
2.633	1.26	8.683	2.52	14.733	4.81	20.99	1.97	3.716	1.49	1.153	9.21	35.000	3.43	22.91	1.37
2.650	1.26	8.700	2.52	14.750	4.81	20.99	1.97	3.733	1.49	1.170	9.21	35.417	3.43	22.93	1.37
2.667	1.26	8.717	2.52	14.767	4.81	20.99	1.97	3.750	1.49	1.187	9.21	35.833	3.43	22.95	1.37
2.683	1.26	8.733	2.52	14.783	4.81	20.99	1.97	3.767	1.49	1.204	9.21	36.250	3.43	22.97	1.37
2.700	1.26	8.750	2.52	14.800	4.81	20.99	1.97	3.784	1.49	1.221	9.21	36.667	3.43	22.99	1.37
2.717	1.26	8.767	2.52	14.817	4.81	20.99	1.97	3.801	1.49	1.238	9.21	37.083	3.43	23.01	1.37
2.733	1.26	8.783	2.52	14.833	4.81	20.99	1.97	3.818	1.49	1.255	9.21	37.500	3.43	23.03	1.37
2.750	1.26	8.800	2.52	14.850	4.81	20.99	1.97	3.835	1.49	1.272	9.21	37.917	3.43	23.05	1.37
2.767	1.26	8.817	2.52	14.867	4.81	20.99	1.97	3.852	1.49	1.289	9.21	38.333	3.43	23.07	1.37
2.783	1.26	8.833	2.52	14.883	4.81	20.99	1.97	3.869	1.49	1.306	9.21	38.750	3.43	23.09	1.37
2.800	1.26	8.850	2.52	14.900	4.81	20.99	1.97	3.886	1.49	1.323	9.21	39.167	3.43	23.11	1.37
2.817	1.26	8.867	2.52	14.917	4.81	20.99	1.97	3.903	1.49	1.340	9.21	39.583	3.43	23.13	1.37
2.833	1.26	8.883	2.52	14.933	4.81	20.98	1.97	3.920	1.49	1.357	9.21	40.000	3.43	23.15	1.37
2.850	1.26	8.900	2.52	14.950	4.81	20.98	1.97	3.937	1.49	1.374	9.21	40.417	3.43	23.17	1.37
2.867	1.26	8.917	2.52	14.967	4.81	20.98	1.97	3.954	1.49	1.391	9.21	40.833	3.43	23.19	1.37
2.883	1.26	8.933	2.52	14.983	4.81	20.98	1.97	3.971	1.49	1.408	9.21	41.250	3.43	23.21	1.37
2.900	1.26	8.950	2.52	15.000	4.81	20.98	1.97	3.988	1.49	1.425	9.21	41.667	3.43	23.23	1.37
2.917	1.26	8.967	2.52	15.017	4.81	20.98	1.97	4.005	1.49	1.442	9.21	42.083	3.43	23.25	1.37
2.933	1.26	8.983	2.52	15.033	4.81	20.98	1.97	4.022	1.49	1.459	9.21	42.500	3.43	23.27	1.37
2.950	1.26	8.999	2.52	15.050	4.81	20.98	1.97	4.039	1.49	1.476	9.21	42.917	3.43	23.29	1.37
2.967	1.26	9.016	2.52	15.067	4.81	20.98	1.97	4.056	1.49	1.493	9.21	43.333	3.43	23.31	1.37
2.983	1.26	9.033	2.52	15.083	4.81	20.98	1.97	4.073	1.49	1.510	9.21	43.750	3.43	23.33	1.37
2.999	1.26	9.050	2.52	15.100	4.81	20.98	1.97	4.090	1.49	1.527	9.21	44.167	3.43	23.35	1.37
3.016	1.26	9.067	2.52	15.117	4.81	20.98	1.97	4.107	1.49	1.544	9.21	44.583	3.43	23.37	1.37
3.033	1.26	9.083	2.52	15.133	4.81	20.98	1.97	4.124	1.49	1.561	9.21	45.000	3.43	23.39	1.37
3.050	1.26	9.100	2.52	15.150	4.81	20.98	1.97	4.141	1.49	1.578	9.21	45.417	3.43	23.41	1.37
3.067	1.26	9.117	2.52	15.167	4.81	20.98	1.97	4.158	1.49	1.595	9.21	45.833	3.43	23.43	1.37
3.083	1.26	9.133	2.52	15.183	4.81	20.98	1.97	4.175	1.49	1.612	9.21	46.250	3.43	23.45	1.37
3.100	1.26	9.150	2.52	15.200	4.81	20.98	1.97	4.192	1.49	1.629	9.21	46.667	3.43	23.47	1.37
3.117	1.26	9.167													

Unit Hyd Qpeak (cms) = 0.583
PEAK FLOW (cms) = 0.983 (1)
TIME TO PEAK (hrs) = 42.200 (1)
RUNOFF VOLUME (mm) = 55.563
SURFACE AREA (mm) = 1.455
RUNOFF COEFFICIENT = 0.455

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALC. (0264)	
ID= 1 DT= 1.0 min	
Area	(ha) = 20.67
Total Imperv (%)	75.00
PERVIOUS (1)	37.50
IMPERVIOUS	5.17
Surface Area (ha)	15.50
Average Slope (%)	2.80
Length (m)	2.80
Manning's n	36.00
	0.013

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

TIME		RAIN		TIME		RAIN		TIME		RAIN	
---		---		---		---		---		---	
0.017	0.00	6.067	1.83	12.117	140.11	18.17	2.66	2.66	2.66	2.66	2.66
0.033	0.00	6.063	1.83	12.133	140.11	18.18	2.66	2.66	2.66	2.66	2.66
0.050	0.00	6.060	1.83	12.150	140.11	18.19	2.66	2.66	2.66	2.66	2.66
0.067	0.00	6.057	1.83	12.167	140.11	18.22	2.66	2.66	2.66	2.66	2.66
0.083	0.00	6.053	1.83	12.183	16.59	18.23	2.66	2.66	2.66	2.66	2.66
0.100	0.00	6.050	1.83	12.200	16.59	18.24	2.66	2.66	2.66	2.66	2.66
0.117	0.00	6.047	1.83	12.217	16.48	18.27	2.66	2.66	2.66	2.66	2.66
0.133	0.00	6.043	1.83	12.233	16.48	18.28	2.66	2.66	2.66	2.66	2.66
0.150	0.00	6.040	1.83	12.250	16.48	18.30	2.66	2.66	2.66	2.66	2.66
0.167	0.00	6.037	1.83	12.267	16.48	18.32	2.66	2.66	2.66	2.66	2.66
0.183	1.26	6.283	2.06	12.283	16.48	18.33	2.66	2.66	2.66	2.66	2.66
0.200	1.26	6.280	2.06	12.300	16.48	18.34	2.66	2.66	2.66	2.66	2.66
0.217	1.26	6.277	2.06	12.317	16.48	18.37	2.66	2.66	2.66	2.66	2.66
0.233	1.26	6.283	2.06	12.333	16.48	18.38	2.66	2.66	2.66	2.66	2.66
0.250	1.26	6.309	2.06	12.350	16.48	18.40	2.66	2.66	2.66	2.66	2.66
0.267	1.26	6.335	2.06	12.367	16.48	18.42	2.66	2.66	2.66	2.66	2.66
0.283	1.26	6.333	2.06	12.383	16.48	18.43	2.66	2.66	2.66	2.66	2.66
0.300	1.26	6.369	2.06	12.400	16.48	18.45	2.66	2.66	2.66	2.66	2.66
0.317	1.26	6.395	2.06	12.417	16.48	18.46	2.66	2.66	2.66	2.66	2.66
0.333	1.26	6.383	2.06	12.433	16.48	18.48	2.66	2.66	2.66	2.66	2.66
0.350	1.26	6.409	2.06	12.450	16.48	18.50	2.66	2.66	2.66	2.66	2.66
0.367	1.26	6.435	2.06	12.467	16.48	18.53	2.66	2.66	2.66	2.66	2.66
0.383	1.26	6.433	2.06	12.483	16.48	18.55	2.66	2.66	2.66	2.66	2.66
0.400	1.26	6.459	2.06	12.500	16.48	18.55	2.66	2.66	2.66	2.66	2.66
0.417	1.26	6.485	2.06	12.517	16.48	18.58	2.66	2.66	2.66	2.66	2.66
0.433	1.26	6.483	2.06	12.533	16.48	18.58	2.66	2.66	2.66	2.66	2.66
0.450	1.26	6.509	2.06	12.550	16.48	18.60	2.66	2.66	2.66	2.66	2.66
0.467	1.26	6.535	2.06	12.567	16.48	18.63	2.66	2.66	2.66	2.66	2.66
0.483	1.26	6.533	2.06	12.583	16.48	18.63	2.66	2.66	2.66	2.66	2.66
0.500	1.26	6.559	2.06	12.600	16.48	18.65	2.66	2.66	2.66	2.66	2.66
0.517	1.26	6.585	2.06	12.617	16.48	18.66	2.66	2.66	2.66	2.66	2.66
0.533	1.26	6.583	2.06	12.633	16.48	18.66	2.66	2.66	2.66	2.66	2.66
0.550	1.26	6.609	2.06	12.650	16.48	18.70	2.66	2.66	2.66	2.66	2.66
0.567	1.26	6.617	2.06	12.667	16.48	18.72	2.66	2.66	2.66	2.66	2.66
0.583	1.26	6.635	2.06	12.683	16.48	18.73	2.66	2.66	2.66	2.66	2.66

1.667	1.26	7.717	2.52	13.767	4.81	19.82	2.66	2.66	2.66	2.66	2.66
1.683	1.26	7.733	2.52	13.783	4.81	19.83	2.66	2.66	2.66	2.66	2.66
1.700	1.26	7.750	2.52	13.800	4.81	19.85	2.66	2.66	2.66	2.66	2.66
1.717	1.26	7.767	2.52	13.817	4.81	19.86	2.66	2.66	2.66	2.66	2.66
1.733	1.26	7.783	2.52	13.833	4.81	19.88	2.66	2.66	2.66	2.66	2.66
1.750	1.26	7.800	2.52	13.850	4.81	19.89	2.66	2.66	2.66	2.66	2.66
1.767	1.26	7.817	2.52	13.867	4.81	19.90	2.66	2.66	2.66	2.66	2.66
1.783	1.26	7.833	2.52	13.883	4.81	19.92	2.66	2.66	2.66	2.66	2.66
1.800	1.26	7.850	2.52	13.900	4.81	19.95	2.66	2.66	2.66	2.66	2.66
1.817	1.26	7.867	2.52	13.917	4.81	19.96	2.66	2.66	2.66	2.66	2.66
1.833	1.26	7.883	2.52	13.933	4.81	19.98	2.66	2.66	2.66	2.66	2.66
1.850	1.26	7.899	2.52	13.950	4.81	19.99	2.66	2.66	2.66	2.66	2.66
1.867	1.26	7.917	2.52	13.967	4.81	20.00	2.66	2.66	2.66	2.66	2.66
1.883	1.26	7.933	2.52	13.983	4.81	20.02	2.66	2.66	2.66	2.66	2.66
1.900	1.26	7.950	2.52	14.000	4.81	20.03	2.66	2.66	2.66	2.66	2.66
1.917	1.26	7.967	2.52	14.017	4.81	20.05	2.66	2.66	2.66	2.66	2.66
1.933	1.26	7.983	2.52	14.033	4.81	20.06	2.66	2.66	2.66	2.66	2.66
1.950	1.26	7.999	2.52	14.050	4.81	20.08	2.66	2.66	2.66	2.66	2.66
1.967	1.26	8.017	2.52	14.067	4.81	20.10	2.66	2.66	2.66	2.66	2.66
1.983	1.26	8.033	2.52	14.083	4.81	20.12	2.66	2.66	2.66	2.66	2.66
2.000	1.26	8.050	2.52	14.100	4.81	20.13	2.66	2.66	2.66	2.66	2.66
2.017	1.26	8.067	2.52	14.117	4.81	20.15	2.66	2.66	2.66	2.66	2.66
2.033	1.26	8.083	2.52	14.133	4.81	20.17	2.66	2.66	2.66	2.66	2.66
2.050	1.26	8.100	2.52	14.150	4.81	20.18	2.66	2.66	2.66	2.66	2.66
2.067	1.26	8.117	2.52	14.167	4.81	20.20	2.66	2.66	2.66	2.66	2.66
2.083	1.26	8.133	2.52	14.183	4.81	20.21	2.66	2.66	2.66	2.66	2.66
2.100	1.26	8.150	2.52	14.200	4.81	20.23	2.66	2.66	2.66	2.66	2.66
2.117	1.26	8.167	2.52	14.217	4.81	20.25	2.66	2.66	2.66	2.66	2.66
2.133	1.26	8.183	2.52	14.233	4.81	20.26	2.66	2.66	2.66	2.66	2.66
2.150	1.26	8.200	2.52	14.250	4.81	20.28	2.66	2.66	2.66	2.66	2.66
2.167	1.26	8.217	2.52	14.267	4.81	20.29	2.66	2.66	2.66	2.66	2.66
2.183	1.26	8.233	2.52	14.283	4.81	20.30	2.66	2.66	2.66	2.66	2.66
2.200	1.48	8.250	2.98	14.300	3.43	20.33	2.66	2.66	2.66	2.66	2.66
2.217	1.48	8.267	2.98	14.317	3.43	20.35	2.66	2.66	2.66	2.66	2.66
2.233	1.48	8.283	2.98	14.333	3.43	20.36	2.66	2.66	2.66	2.66	2.66
2.250	1.48	8.300	2.98	14.350	3.43	20.38	2.66	2.66	2.66	2.66	2.66
2.267	1.48	8.317	2.98	14.367	3.43	20.40	2.66	2.66	2.66	2.66	2.66
2.283	1.48	8.333	2.98	14.383	3.43	20.42	2.66	2.66	2.66	2.66	2.66
2.300	1.48	8.350	2.98	14.400	3.43	20.45	2.66	2.66	2.66	2.66	2.66
2.317	1.48	8.367	2.98	14.417	3.43	20.47	2.66	2.66	2.66	2.66	2.66
2.333	1.48	8.383	2.98	14.433	3.43	20.49	2.66	2.66	2.66	2.66	2.66
2.350	1.48	8.400	2.98	14.450	3.43	20.50	2.66	2.66	2.66	2.66	2.66
2.367	1.48	8.417	2.98	14.467	3.43	20.52	2.66	2.66	2.66	2.66	2.66
2.383	1.48	8.433	2.98	14.483	3.43	20.53	2.66	2.66	2.66	2.66	2.66
2.400	1.48	8.450	2.98	14.500	3.43	20.55	2.66	2.66	2.66	2.66	2.66
2.417	1.48	8.467	2.98	14.517	3.43	20.57	2.66	2.66	2.66	2.66	2.66
2.433	1.48	8.483	2.98	14.533	3.43	20.58	2.66	2.66	2.66	2.66	2.66
2.450	1.48	8.500	2.98	14.550	3.43	20.60	2.66	2.66	2.66	2.66	2.66
2.467	1.48	8.517	2.98	14.567	3.43	20.62	2.66	2.66	2.66	2.66	2.66
2.483	1.48	8.533	2.98	14.583	3.43	20.63	2.66	2.66	2.66	2.66	2.66
2.500	1.48	8.550	2.98	14.600	3.43	20.65	2.66	2.66	2.66	2.66	2.66
2.517	1.48	8.567	2.98	14.617	3.43	20.67	2.66	2.66	2.66	2.66	2.66
2.533	1.48	8.583	2.98	14.633	3.43	20.68	2.66	2.66	2.66	2.66	2.66
2.550	1.48	8.600	2.98	14.650	3.43	20.69	2.66	2.66	2.66	2.66	2.66
2.567	1.48	8.617	2.98	14.667	3.43	20.72	2.66	2.66	2.66	2.66	2.66
2.583	1.48	8.633	2.98	14.683	3.43	20.73	2.66	2.66	2.66	2.66	2.66
2.600	1.48	8.650	2.98	14.700	3.43	20.75	2.66	2.66	2.66	2.66	2.66
2.617	1.48	8.667	2.98	14.717	3.43	20.77	2.66	2.66	2.66	2.66	2.66
2.633	1.48	8.683	3.21	14.733	3.43	20.78	2.66	2.66	2.66	2.66	2.66
2.650	1.48	8.700	3.21	14.750	3.43	20.80	2.66	2.66	2.66	2.66	2.66
2.667	1.48	8.717	3.21	14.767	3.43	20.82	2.66	2.66	2.66	2.66	2.66
2.683	1.48	8.733	3.21	14.783	3.43	20.83	2.66	2.66	2.66	2.66	2.66
2.700	1.48	8.750	3.21	14.800	3.43	20.85	2.66	2.66	2.66	2.66	2.66
2.717	1.48	8.767	3.21	14.817	3.43	20.87	2.66	2.66	2.66	2.66	2.66

1.367	1.26	7.417	2.52	13.467	6.18	19.52	2.66	1.37
1.368	1.26	7.433	2.52	13.483	6.18	19.53	2.66	1.37
1.369	1.26	7.449	2.52	13.499	6.18	19.54	2.66	1.37
1.370	1.26	7.465	2.52	13.515	6.18	19.55	2.66	1.37
1.371	1.26	7.481	2.52	13.531	6.18	19.56	2.66	1.37
1.372	1.26	7.497	2.52	13.547	6.18	19.57	2.66	1.37
1.373	1.26	7.513	2.52	13.563	6.18	19.58	2.66	1.37
1.374	1.26	7.529	2.52	13.579	6.18	19.59	2.66	1.37
1.375	1.26	7.545	2.52	13.595	6.18	19.60	2.66	1.37
1.376	1.26	7.561	2.52	13.611	6.18	19.61	2.66	1.37
1.377	1.26	7.577	2.52	13.627	6.18	19.62	2.66	1.37
1.378	1.26	7.593	2.52	13.643	6.18	19.63	2.66	1.37
1.379	1.26	7.609	2.52	13.659	6.18	19.64	2.66	1.37
1.380	1.26	7.625	2.52	13.675	6.18	19.65	2.66	1.37
1.381	1.26	7.641	2.52	13.691	6.18	19.66	2.66	1.37
1.382	1.26	7.657	2.52	13.707	6.18	19.67	2.66	1.37
1.383	1.26	7.673	2.52	13.723	6.18	19.68	2.66	1.37
1.384	1.26	7.689	2.52	13.739	6.18	19.69	2.66	1.37
1.385	1.26	7.705	2.52	13.755	6.18	19.70	2.66	1.37
1.386	1.26	7.721	2.52	13.771	6.18	19.71	2.66	1.37
1.387	1.26	7.737	2.52	13.787	6.18	19.72	2.66	1.37
1.388	1.26	7.753	2.52	13.803	6.18	19.73	2.66	1.37
1.389	1.26	7.769	2.52	13.819	6.18	19.74	2.66	1.37
1.390	1.26	7.785	2.52	13.835	6.18	19.75	2.66	1.37
1.391	1.26	7.801	2.52	13.851	6.18	19.76	2.66	1.37
1.392	1.26	7.817	2.52	13.867	6.18	19.77	2.66	1.37
1.393	1.26	7.833	2.52	13.883	6.18	19.78	2.66	1.37
1.394	1.26	7.849	2.52	13.899	6.18	19.79	2.66	1.37
1.395	1.26	7.865	2.52	13.915	6.18	19.80	2.66	1.37
1.396	1.26	7.881	2.52	13.931	6.18	19.81	2.66	1.37
1.397	1.26	7.897	2.52	13.947	6.18	19.82	2.66	1.37
1.398	1.26	7.913	2.52	13.963	6.18	19.83	2.66	1.37
1.399	1.26	7.929	2.52	13.979	6.18	19.84	2.66	1.37
1.400	1.26	7.945	2.52	13.995	6.18	19.85	2.66	1.37
1.401	1.26	7.961	2.52	14.011	6.18	19.86	2.66	1.37
1.402	1.26	7.977	2.52	14.027	6.18	19.87	2.66	1.37
1.403	1.26	7.993	2.52	14.043	6.18	19.88	2.66	1.37
1.404	1.26	8.009	2.52	14.059	6.18	19.89	2.66	1.37
1.405	1.26	8.025	2.52	14.075	6.18	19.90	2.66	1.37
1.406	1.26	8.041	2.52	14.091	6.18	19.91	2.66	1.37
1.407	1.26	8.057	2.52	14.107	6.18	19.92	2.66	1.37
1.408	1.26	8.073	2.52	14.123	6.18	19.93	2.66	1.37
1.409	1.26	8.089	2.52	14.139	6.18	19.94	2.66	1.37
1.410	1.26	8.105	2.52	14.155	6.18	19.95	2.66	1.37
1.411	1.26	8.121	2.52	14.171	6.18	19.96	2.66	1.37
1.412	1.26	8.137	2.52	14.187	6.18	19.97	2.66	1.37
1.413	1.26	8.153	2.52	14.203	6.18	19.98	2.66	1.37
1.414	1.26	8.169	2.52	14.219	6.18	19.99	2.66	1.37
1.415	1.26	8.185	2.52	14.235	6.18	20.00	2.66	1.37
1.416	1.26	8.201	2.52	14.251	6.18	20.01	2.66	1.37
1.417	1.26	8.217	2.52	14.267	6.18	20.02	2.66	1.37
1.418	1.26	8.233	2.52	14.283	6.18	20.03	2.66	1.37
1.419	1.26	8.249	2.52	14.299	6.18	20.04	2.66	1.37
1.420	1.26	8.265	2.52	14.315	6.18	20.05	2.66	1.37
1.421	1.26	8.281	2.52	14.331	6.18	20.06	2.66	1.37
1.422	1.26	8.297	2.52	14.347	6.18	20.07	2.66	1.37
1.423	1.26	8.313	2.52	14.363	6.18	20.08	2.66	1.37
1.424	1.26	8.329	2.52	14.379	6.18	20.09	2.66	1.37
1.425	1.26	8.345	2.52	14.395	6.18	20.10	2.66	1.37
1.426	1.26	8.361	2.52	14.411	6.18	20.11	2.66	1.37
1.427	1.26	8.377	2.52	14.427	6.18	20.12	2.66	1.37
1.428	1.26	8.393	2.52	14.443	6.18	20.13	2.66	1.37
1.429	1.26	8.409	2.52	14.459	6.18	20.14	2.66	1.37
1.430	1.26	8.425	2.52	14.475	6.18	20.15	2.66	1.37
1.431	1.26	8.441	2.52	14.491	6.18	20.16	2.66	1.37
1.432	1.26	8.457	2.52	14.507	6.18	20.17	2.66	1.37
1.433	1.26	8.473	2.52	14.523	6.18	20.18	2.66	1.37
1.434	1.26	8.489	2.52	14.539	6.18	20.19	2.66	1.37
1.435	1.26	8.505	2.52	14.555	6.18	20.20	2.66	1.37
1.436	1.26	8.521	2.52	14.571	6.18	20.21	2.66	1.37
1.437	1.26	8.537	2.52	14.587	6.18	20.22	2.66	1.37
1.438	1.26	8.553	2.52	14.603	6.18	20.23	2.66	1.37
1.439	1.26	8.569	2.52	14.619	6.18	20.24	2.66	1.37
1.440	1.26	8.585	2.52	14.635	6.18	20.25	2.66	1.37
1.441	1.26	8.601	2.52	14.651	6.18	20.26	2.66	1.37
1.442	1.26	8.617	2.52	14.667	6.18	20.27	2.66	1.37
1.443	1.26	8.633	2.52	14.683	6.18	20.28	2.66	1.37
1.444	1.26	8.649	2.52	14.699	6.18	20.29	2.66	1.37
1.445	1.26	8.665	2.52	14.715	6.18	20.30	2.66	1.37
1.446	1.26	8.681	2.52	14.731	6.18	20.31	2.66	1.37
1.447	1.26	8.697	2.52	14.747	6.18	20.32	2.66	1.37
1.448	1.26	8.713	2.52	14.763	6.18	20.33	2.66	1.37
1.449	1.26	8.729	2.52	14.779	6.18	20.34	2.66	1.37
1.450	1.26	8.745	2.52	14.795	6.18	20.35	2.66	1.37
1.451	1.26	8.761	2.52	14.811	6.18	20.36	2.66	1.37
1.452	1.26	8.777	2.52	14.827	6.18	20.37	2.66	1.37
1.453	1.26	8.793	2.52	14.843	6.18	20.38	2.66	1.37
1.454	1.26	8.809	2.52	14.859	6.18	20.39	2.66	1.37
1.455	1.26	8.825	2.52	14.875	6.18	20.40	2.66	1.37
1.456	1.26	8.841	2.52	14.891	6.18	20.41	2.66	1.37
1.457	1.26	8.857	2.52	14.907	6.18	20.42	2.66	1.37
1.458	1.26	8.873	2.52	14.923	6.18	20.43	2.66	1.37
1.459	1.26	8.889	2.52	14.939	6.18	20.44	2.66	1.37
1.460	1.26	8.905	2.52	14.955	6.18	20.45	2.66	1.37
1.461	1.26	8.921	2.52	14.971	6.18	20.46	2.66	1.37
1.462	1.26	8.937	2.52	14.987	6.18	20.47	2.66	1.37
1.463	1.26	8.953	2.52	14.993	6.18	20.48	2.66	1.37
1.464	1.26	8.969	2.52	15.009	6.18	20.49	2.66	1.37
1.465	1.26	8.985	2.52	15.025	6.18	20.50	2.66	1.37
1.466	1.26	8.991	2.52	15.031	6.18	20.51	2.66	1.37
1.467	1.26	9.007	2.52	15.047	6.18	20.52	2.66	1.37
1.468	1.26	9.023	2.52	15.063	6.18	20.53	2.66	1.37
1.469	1.26	9.039	2.52	15.079	6.18	20.54	2.66	1.37
1.470	1.26	9.055	2.52	15.095	6.18	20.55	2.66	1.37
1.471	1.26	9.071	2.52	15.111	6.18	20.56	2.66	1.37
1.472	1.26	9.087	2.52	15.127	6.18	20.57	2.66	1.37
1.473	1.26	9.103	2.52	15.143	6.18	20.58	2.66	1.37
1.474	1.26	9.119	2.52	15.159	6.18	20.59	2.66	1.37
1.475	1.26	9.135	2.52	15.175	6.18	20.60	2.66	1.37
1.476	1.26	9.151	2.52	15.191	6.18	20.61	2.66	1.37
1.477	1.26	9.167	2.52	15.207	6.18	20.62	2.66	1.37
1.478	1.26	9.183	2.52	15.223	6.18	20.63	2.66	1.37
1.479	1.26	9.199	2.52	15.239	6.18	20.64	2.66	1.37
1.480	1.26	9.215	2.52	15.255	6.18	20.65	2.66	1.37
1.481	1.26	9.231	2.52	15.271	6.18	20.66	2.66	1.37
1.482	1.26	9.247	2.52	15.287	6.18	20.67	2.66	1.37
1.483	1.26	9.263	2.52	15.303	6.18	20.68	2.66	1.37
1.484	1.26	9.279	2.52	15.319	6.18	20.69	2.66	1.37
1.485	1.26	9.295	2.52	15.335	6.18	20.70	2.66	1.37
1.486	1.26	9.311	2.52	15.351	6.18	20.71	2.66	1.37
1.487	1.26	9.327	2.52	15.367	6.18	20.72	2.66	1.37
1.488	1.26	9.343	2.52	15.383	6.18	20.73	2.66	1.37
1.489	1.26	9.359	2.52	15.399	6.18	20.74	2.66	1.37
1.490	1.26	9.375	2.52	15.415	6.18	20.75	2.66	1.37
1.491	1.26	9.391	2.52	15.431	6.18	20.76	2.66	1.37
1.492	1.26	9.407	2.52	15.447	6.18	20.77	2.66	1.37
1.493	1.26	9.423	2.52	15.463	6.18	20.78	2.66	1.37
1.494	1.26	9.439	2.52	15.479	6.18	20.79	2.66	1.37
1.495	1.26	9.455	2.52	15.495	6.18	20.80	2.66	1.37
1.496	1.26	9.471	2.52	15.511	6.18	20.81	2.66	1.37
1.497	1.26	9.487	2.52	15.527	6.18	20.82	2.66	1.37
1.498	1.26	9.503	2.52	15.543	6.18	20.83	2.66	1.37
1.499	1.26	9.519	2.52	15.559	6.18	20.84	2.66	1.37
1.500	1.26	9.535	2.52	15.575	6.18	20.85	2.66	1.37
1.501	1.26	9.551	2.52	15.591	6.18	20.86	2.66	1.37
1.502	1.26	9.567	2.52	15.607	6.18	20.87	2.66	1.37
1.503	1.26	9.583	2.52	15.623	6.18	20.88	2.66	1.37
1.504	1.26	9.59						

5.633	1.83	11.683	33.87	17.733	2.96	23.78	1.37
5.659	1.83	11.769	33.88	17.759	2.96	23.80	1.37
5.685	1.83	11.855	33.89	17.785	2.96	23.82	1.37
5.709	1.83	11.759	33.88	17.809	2.96	23.85	1.37
5.733	1.83	11.733	33.88	17.833	2.96	23.87	1.37
5.757	1.83	11.707	33.88	17.857	2.96	23.89	1.37
5.781	1.83	11.681	33.88	17.881	2.96	23.91	1.37
5.805	1.83	11.655	33.88	17.905	2.96	23.93	1.37
5.829	1.83	11.629	33.88	17.929	2.96	23.95	1.37
5.853	1.83	11.603	33.88	17.953	2.96	23.97	1.37
5.877	1.83	11.577	33.88	17.977	2.96	24.00	1.37
5.901	1.83	11.551	33.88	18.001	2.96	24.02	1.37
5.925	1.83	11.525	33.88	18.025	2.96	24.05	1.37
5.949	1.83	11.499	33.88	18.049	2.96	24.07	1.37
5.973	1.83	11.473	33.88	18.073	2.96	24.10	1.37
5.997	1.83	11.447	33.88	18.097	2.96	24.12	1.37
6.021	1.83	11.421	33.88	18.121	2.96	24.15	1.37
6.045	1.83	11.395	33.88	18.145	2.96	24.17	1.37
6.069	1.83	11.369	33.88	18.169	2.96	24.20	1.37
6.093	1.83	11.343	33.88	18.193	2.96	24.22	1.37
6.117	1.83	11.317	33.88	18.217	2.96	24.25	1.37
6.141	1.83	11.291	33.88	18.241	2.96	24.27	1.37
6.165	1.83	11.265	33.88	18.265	2.96	24.30	1.37
6.189	1.83	11.239	33.88	18.289	2.96	24.32	1.37
6.213	1.83	11.213	33.88	18.313	2.96	24.35	1.37
6.237	1.83	11.187	33.88	18.337	2.96	24.37	1.37
6.261	1.83	11.161	33.88	18.361	2.96	24.40	1.37
6.285	1.83	11.135	33.88	18.385	2.96	24.42	1.37
6.309	1.83	11.109	33.88	18.409	2.96	24.45	1.37
6.333	1.83	11.083	33.88	18.433	2.96	24.47	1.37
6.357	1.83	11.057	33.88	18.457	2.96	24.50	1.37
6.381	1.83	11.031	33.88	18.481	2.96	24.52	1.37
6.405	1.83	11.005	33.88	18.505	2.96	24.55	1.37
6.429	1.83	10.979	33.88	18.529	2.96	24.57	1.37
6.453	1.83	10.953	33.88	18.553	2.96	24.60	1.37
6.477	1.83	10.927	33.88	18.577	2.96	24.62	1.37
6.501	1.83	10.901	33.88	18.601	2.96	24.65	1.37
6.525	1.83	10.875	33.88	18.625	2.96	24.67	1.37
6.549	1.83	10.849	33.88	18.649	2.96	24.70	1.37
6.573	1.83	10.823	33.88	18.673	2.96	24.72	1.37
6.597	1.83	10.797	33.88	18.697	2.96	24.75	1.37
6.621	1.83	10.771	33.88	18.721	2.96	24.77	1.37
6.645	1.83	10.745	33.88	18.745	2.96	24.80	1.37
6.669	1.83	10.719	33.88	18.769	2.96	24.82	1.37
6.693	1.83	10.693	33.88	18.793	2.96	24.85	1.37
6.717	1.83	10.667	33.88	18.817	2.96	24.87	1.37
6.741	1.83	10.641	33.88	18.841	2.96	24.90	1.37
6.765	1.83	10.615	33.88	18.865	2.96	24.92	1.37
6.789	1.83	10.589	33.88	18.889	2.96	24.95	1.37
6.813	1.83	10.563	33.88	18.913	2.96	24.97	1.37
6.837	1.83	10.537	33.88	18.937	2.96	25.00	1.37
6.861	1.83	10.511	33.88	18.961	2.96	25.02	1.37
6.885	1.83	10.485	33.88	18.985	2.96	25.05	1.37
6.909	1.83	10.459	33.88	19.009	2.96	25.07	1.37
6.933	1.83	10.433	33.88	19.033	2.96	25.10	1.37
6.957	1.83	10.407	33.88	19.057	2.96	25.12	1.37
6.981	1.83	10.381	33.88	19.081	2.96	25.15	1.37
7.005	1.83	10.355	33.88	19.105	2.96	25.17	1.37
7.029	1.83	10.329	33.88	19.129	2.96	25.20	1.37
7.053	1.83	10.303	33.88	19.153	2.96	25.22	1.37
7.077	1.83	10.277	33.88	19.177	2.96	25.25	1.37
7.101	1.83	10.251	33.88	19.201	2.96	25.27	1.37
7.125	1.83	10.225	33.88	19.225	2.96	25.30	1.37
7.149	1.83	10.199	33.88	19.249	2.96	25.32	1.37
7.173	1.83	10.173	33.88	19.273	2.96	25.35	1.37
7.197	1.83	10.147	33.88	19.297	2.96	25.37	1.37
7.221	1.83	10.121	33.88	19.321	2.96	25.40	1.37
7.245	1.83	10.095	33.88	19.345	2.96	25.42	1.37
7.269	1.83	10.069	33.88	19.369	2.96	25.45	1.37
7.293	1.83	10.043	33.88	19.393	2.96	25.47	1.37
7.317	1.83	10.017	33.88	19.417	2.96	25.50	1.37
7.341	1.83	9.991	33.88	19.441	2.96	25.52	1.37
7.365	1.83	9.965	33.88	19.465	2.96	25.55	1.37
7.389	1.83	9.939	33.88	19.489	2.96	25.57	1.37
7.413	1.83	9.913	33.88	19.513	2.96	25.60	1.37
7.437	1.83	9.887	33.88	19.537	2.96	25.62	1.37
7.461	1.83	9.861	33.88	19.561	2.96	25.65	1.37
7.485	1.83	9.835	33.88	19.585	2.96	25.67	1.37
7.509	1.83	9.809	33.88	19.609	2.96	25.70	1.37
7.533	1.83	9.783	33.88	19.633	2.96	25.72	1.37
7.557	1.83	9.757	33.88	19.657	2.96	25.75	1.37
7.581	1.83	9.731	33.88	19.681	2.96	25.77	1.37
7.605	1.83	9.705	33.88	19.705	2.96	25.80	1.37
7.629	1.83	9.679	33.88	19.729	2.96	25.82	1.37
7.653	1.83	9.653	33.88	19.753	2.96	25.85	1.37
7.677	1.83	9.627	33.88	19.777	2.96	25.87	1.37
7.701	1.83	9.601	33.88	19.801	2.96	25.90	1.37
7.725	1.83	9.575	33.88	19.825	2.96	25.92	1.37
7.749	1.83	9.549	33.88	19.849	2.96	25.95	1.37
7.773	1.83	9.523	33.88	19.873	2.96	25.97	1.37
7.797	1.83	9.497	33.88	19.897	2.96	26.00	1.37
7.821	1.83	9.471	33.88	19.921	2.96	26.02	1.37
7.845	1.83	9.445	33.88	19.945	2.96	26.05	1.37
7.869	1.83	9.419	33.88	19.969	2.96	26.07	1.37
7.893	1.83	9.393	33.88	19.993	2.96	26.10	1.37
7.917	1.83	9.367	33.88	20.017	2.96	26.12	1.37
7.941	1.83	9.341	33.88	20.041	2.96	26.15	1.37
7.965	1.83	9.315	33.88	20.065	2.96	26.17	1.37
7.989	1.83	9.289	33.88	20.089	2.96	26.20	1.37
8.013	1.83	9.263	33.88	20.113	2.96	26.22	1.37
8.037	1.83	9.237	33.88	20.137	2.96	26.25	1.37
8.061	1.83	9.211	33.88	20.161	2.96	26.27	1.37
8.085	1.83	9.185	33.88	20.185	2.96	26.30	1.37
8.109	1.83	9.159	33.88	20.209	2.96	26.32	1.37
8.133	1.83	9.133	33.88	20.233	2.96	26.35	1.37
8.157	1.83	9.107	33.88	20.257	2.96	26.37	1.37
8.181	1.83	9.081	33.88	20.281	2.96	26.40	1.37
8.205	1.83	9.055	33.88	20.305	2.96	26.42	1.37
8.229	1.83	9.029	33.88	20.329	2.96	26.45	1.37
8.253	1.83	9.003	33.88	20.353	2.96	26.47	1.37
8.277	1.83	8.977	33.88	20.377	2.96	26.50	1.37
8.301	1.83	8.951	33.88	20.401	2.96	26.52	1.37
8.325	1.83	8.925	33.88	20.425	2.96	26.55	1.37
8.349	1.83	8.899	33.88	20.449	2.96	26.57	1.37
8.373	1.83	8.873	33.88	20.473	2.96	26.60	1.37
8.397	1.83	8.847	33.88	20.497	2.96	26.62	1.37
8.421	1.83	8.821	33.88	20.521	2.96	26.65	1.37
8.445	1.83	8.795	33.88	20.545	2.96	26.67	1.37
8.469	1.83	8.769	33.88	20.569	2.96	26.70	1.37
8.493	1.83	8.743	33.88	20.593	2.96	26.72	1.37
8.517	1.83	8.717	33.88	20.617	2.96	26.75	1.37
8.541	1.83	8.691	33.88	20.641	2.96	26.77	1.37
8.565	1.83	8.665	33.88	20.665	2.96	26.80	1.37
8.589	1.83	8.639	33.88	20.689	2.96	26.82	1.37
8.613	1.83	8.613	33.88	20.713	2.96	26.85	1.37
8.637	1.83	8.587	33.88	20.737	2.96	26.87	1.37
8.661	1.83	8.561	33.88	20.761	2.96	26.90	1.37
8.685	1.83	8.535	33.88	20.785	2.96	26.92	1.37
8.709	1.83	8.509	33.88	20.809	2.96	26.95	1.37
8.733	1.83	8.483	33.88	20.833	2.96	26.97	1.37
8.757	1.83	8.457	33.88	20.857	2.96	27.00	1.37
8.781	1.83	8.431	33.88	20.881	2.96	27.02	1.37
8.805	1.83	8.405	33.88	20.905	2.96	27.05	1.37
8.829	1.83	8.379	33.88	20.929	2.96	27.07	1.37
8.853	1.83	8.353	33.88	20.953	2.96	27.10	1.37
8.877	1.83	8.327	33.88	20.977	2.96	27.12	1.37
8.901	1.83	8.301	33.88	21.001	2.96	27.15	1.37
8.925	1.83	8.275	33.88	21.025	2.96	27.17	1.37
8.949	1.83	8.249	33.88	21.049	2.96	27.20	1.37
8.973	1.83	8.223	33.88	21.073	2.96	27.22	1.37
8.997	1.83	8.197	33.88	21.097	2.96	27.25	1.37
9.021	1.83	8.171	33.88	21.121	2.96	27.27	1.37
9.045	1.83	8.145	33.88	21.145	2.96	27.30	1.37
9.069	1.83	8.119	33.88	21.169	2.96	27.32	1.37
9.093	1.83	8.093	33.88	21.193	2.96	27.35	1.37
9.117	1.83	8.067	33.88	21.217	2.96	27.37	1.37
9.141	1.83</						

2.333	1.48	8.383	2.98	14.433	3.43	20.48	1.37	3.490	1.49	9.459	3.66	15.069	3.43	21.55	1.37
2.369	1.48	8.409	2.98	14.459	3.43	20.56	1.37	3.467	1.49	9.467	3.66	15.017	3.43	21.57	1.37
2.393	1.48	8.433	2.98	14.483	3.43	20.53	1.37	3.450	1.49	9.506	3.66	15.056	3.43	21.57	1.37
2.400	1.48	8.459	2.98	14.500	3.43	20.55	1.37	3.467	1.49	9.517	3.66	15.067	3.43	21.62	1.37
2.433	1.48	8.483	2.98	14.533	3.43	20.58	1.37	3.500	1.49	9.553	3.66	15.080	3.43	21.65	1.37
2.460	1.48	8.509	2.98	14.559	3.43	20.60	1.37	3.517	1.49	9.567	3.66	15.017	3.43	21.67	1.37
2.483	1.48	8.533	2.98	14.557	3.43	20.63	1.37	3.550	1.49	9.583	3.66	15.063	3.43	21.69	1.37
2.500	1.48	8.559	2.98	14.600	3.43	20.65	1.37	3.567	1.49	9.617	3.66	15.067	3.43	21.72	1.37
2.537	1.48	8.567	2.98	14.617	3.43	20.67	1.37	3.583	1.49	9.633	3.66	15.063	3.43	21.73	1.37
2.560	1.48	8.600	2.98	14.650	3.43	20.70	1.37	3.617	1.49	9.667	3.66	15.017	3.43	21.77	1.37
2.567	1.48	8.617	2.98	14.657	3.43	20.72	1.37	3.633	1.49	9.683	3.66	15.063	3.43	21.78	1.37
2.600	1.48	8.667	2.98	14.717	3.43	20.77	1.37	3.667	1.49	9.717	4.12	15.733	3.43	21.81	1.37
2.659	1.48	8.700	3.11	14.750	3.43	20.80	1.37	3.717	1.49	9.767	4.12	15.667	3.43	21.87	1.37
2.667	1.48	8.717	3.21	14.767	3.43	20.82	1.37	3.783	1.49	9.783	4.12	15.833	3.43	21.88	1.37
2.700	1.48	8.750	3.11	14.800	3.43	20.85	1.37	3.787	1.49	9.817	4.12	15.867	3.43	21.92	1.37
2.717	1.48	8.767	3.21	14.817	3.43	20.87	1.37	3.783	1.49	9.833	4.12	15.833	3.43	21.93	1.37
2.750	1.48	8.800	3.11	14.853	3.43	20.90	1.37	3.817	1.49	9.867	4.12	15.967	3.43	21.97	1.37
2.767	1.48	8.817	3.21	14.867	3.43	20.92	1.37	3.833	1.49	9.883	4.12	15.933	3.43	21.98	1.37
2.803	1.48	8.833	3.21	14.883	3.43	20.93	1.37	3.889	1.49	9.909	4.12	15.909	3.43	22.09	1.37
2.833	1.48	8.883	3.21	14.933	3.43	20.98	1.37	3.883	1.49	9.933	4.12	15.933	3.43	22.03	1.37
2.847	1.48	8.867	3.21	14.917	3.43	20.97	1.37	3.909	1.49	9.959	4.12	16.009	3.43	22.05	1.37
2.867	1.48	8.917	3.21	14.967	3.43	21.02	1.37	3.933	1.49	9.983	4.12	16.033	3.43	22.08	1.37
2.883	1.48	8.933	3.21	14.983	3.43	21.03	1.37	3.969	1.49	10.009	4.12	16.069	3.43	22.19	1.37
2.917	1.48	8.967	3.11	15.017	3.43	21.07	1.37	3.953	1.49	10.033	4.12	16.033	3.43	22.13	1.37
2.933	1.48	8.983	3.21	15.033	3.43	21.08	1.37	4.009	1.49	10.059	4.12	16.109	3.43	22.15	1.37
2.967	1.48	9.017	3.11	15.067	3.43	21.12	1.37	4.033	1.49	10.083	4.12	16.133	3.43	22.18	1.37
2.983	1.48	9.033	3.21	15.083	3.43	21.13	1.37	4.059	1.49	10.109	4.12	16.169	3.43	22.20	1.37
3.007	1.48	9.067	3.11	15.117	3.43	21.17	1.37	4.083	1.49	10.133	4.12	16.183	3.43	22.23	1.37
3.033	1.48	9.083	3.21	15.133	3.43	21.18	1.37	4.109	1.49	10.159	4.12	16.209	3.43	22.25	1.37
3.069	1.48	9.109	3.11	15.159	3.43	21.22	1.37	4.113	1.49	10.167	4.12	16.213	3.43	22.26	1.37
3.083	1.48	9.133	3.21	15.183	3.43	21.23	1.37	4.150	1.49	10.200	5.27	16.250	3.43	22.32	1.37
3.109	1.48	9.169	3.21	15.209	3.43	21.25	1.37	4.167	1.49	10.217	5.27	16.267	3.43	22.32	1.37
3.133	1.48	9.183	3.66	15.233	3.43	21.28	1.37	4.209	1.83	10.259	5.27	16.309	3.43	22.35	1.37
3.159	1.48	9.209	3.66	15.259	3.43	21.30	1.37	4.217	1.83	10.267	5.27	16.317	3.43	22.37	1.37
3.183	1.48	9.233	3.66	15.283	3.43	21.33	1.37	4.259	1.83	10.309	5.27	16.359	3.43	22.40	1.37
3.209	1.48	9.269	3.66	15.309	3.43	21.35	1.37	4.267	1.83	10.317	5.27	16.367	3.43	22.42	1.37
3.250	1.48	9.300	3.66	15.350	3.43	21.38	1.37	4.300	1.83	10.350	5.27	16.400	3.43	22.45	1.37
3.263	1.48	9.313	3.66	15.363	3.43	21.40	1.37	4.317	1.83	10.367	5.27	16.417	3.43	22.47	1.37
3.293	1.48	9.333	3.66	15.383	3.43	21.43	1.37	4.350	1.83	10.400	5.27	16.450	3.43	22.49	1.37
3.309	1.48	9.359	3.66	15.409	3.43	21.45	1.37	4.367	1.83	10.417	5.27	16.467	3.43	22.52	1.37
3.333	1.48	9.383	3.66	15.433	3.43	21.47	1.37	4.383	1.83	10.453	5.27	16.483	3.43	22.53	1.37
3.359	1.48	9.409	3.66	15.459	3.43	21.50	1.37	4.417	1.83	10.467	5.27	16.517	3.43	22.57	1.37
3.387	1.48	9.417	3.66	15.467	3.43	21.52	1.37	4.433	1.83	10.483	5.27	16.533	3.43	22.58	1.37
3.393	1.48	9.435	3.66	15.483	3.43	21.53	1.37	4.450	1.83	10.500	5.27	16.550	3.43	22.59	1.37

289

290

4.467	1.83	10.517	5.27	16.567	2.66	22.62	1.37	5.533	1.83	11.583	10.99	17.633	2.66	23.68	1.37
4.483	1.83	10.533	5.27	16.583	2.66	22.63	1.37	5.559	1.83	11.609	10.99	17.659	2.66	23.79	1.37
4.507	1.83	10.567	5.27	16.617	2.66	22.67	1.37	5.583	1.83	11.633	10.99	17.683	2.66	23.81	1.37
4.533	1.83	10.583	5.27	16.633	2.66	22.68	1.37	5.609	1.83	11.659	10.99	17.709	2.66	23.75	1.37
4.567	1.83	10.617	5.27	16.667	2.66	22.72	1.37	5.633	1.83	11.683	33.67	17.733	2.66	23.78	1.37
4.583	1.83	10.633	5.27	16.683	2.66	22.73	1.37	5.659	1.83	11.709	33.68	17.759	2.66	23.80	1.37
4.607	1.83	10.667	5.27	16.717	2.66	22.77	1.37	5.683	1.83	11.733	33.68	17.783	2.66	23.82	1.37
4.633	1.83	10.683	5.27	16.733	2.66	22.78	1.37	5.709	1.83	11.759	33.68	17.809	2.66	23.85	1.37
4.659	1.83	10.709	7.18	16.759	2.66	22.80	1.37	5.717	1.83	11.767	33.68	17.817	2.66	23.87	1.37
4.683	1.83	10.733	7.18	16.783	2.66	22.83	1.37	5.750	1.83	11.800	33.68	17.850	2.66	23.89	1.37
4.709	1.83	10.769	7.18	16.809	2.66	22.85	1.37	5.767	1.83	11.817	33.68	17.867	2.66	23.92	1.37
4.733	1.83	10.783	7.18	16.833	2.66	22.88	1.37	5.809	1.83	11.859	86.97	17.909	2.66	23.95	1.37
4.759	1.83	10.809	7.18	16.859	2.66	22.90	1.37	5.817	1.83	11.867	87.00	17.917	2.66	23.97	1.37
4.783	1.83	10.833	7.18	16.883	2.66	22.93	1.37	5.859	1.83	11.909	87.00	17.959	2.66	24.00	1.37
4.809	1.83	10.859	7.18	16.909	2.66	22.95	1.37	5.867	1.83	11.917	87.00	17.967	2.66	24.02	1.37
4.833	1.83	10.883	7.18	16.933	2.66	22.98	1.37	5.900	1.83	11.950	87.00	18.000	2.66	24.05	1.37
4.859	1.83	10.909	7.18	16.959	2.66	23.00	1.37	5.917	1.83	11.967	87.00	18.017	2.66	24.07	1.37
4.883	1.83	10.933	7.18	16.983	2.66	23.03	1.37	5.950	1.83	12.000	87.00	18.050	2.66	24.09	1.37
4.909	1.83	10.959	7.18	17.009	2.66	23.05	1.37	5.967	1.83	12.017	146.97	18.067	2.66	24.12	1.37
4.937	1.83	10.987	7.18	17.017	2.66	23.07	1.37	5.983	1.83	12.033	146.11	18.083	2.66	24.13	1.37
4.969	1.83	11.017	7.18	17.067	2.66	23.12	1.37	6.017	1.83	12.067	148.11	18.117	2.66	24.15	1.37
4.983	1.83	11.033	7.18	17.083	2.66	23.14	1.37	6.033	1.83	12.083	148.11	18.133	2.66	24.17	1.37
5.007	1.83	11.059	7.18	17.109	2.66	23.15	1.37	6.050	1.83	12.100	146.11	18.150	2.66	24.17	1.37
5.037	1.83	11.087	7.18	17.117	2.66	23.17	1.37								
5.069	1.83	11.117	7.18	17.159	2.66	23.20	1.37								
5.087	1.83	11.117	7.18	17.167	2.66	23.22	1.37								
5.109	1.83	11.159	7.18	17.209	2.66	23.25	1.37								
5.117	1.83	11.167	7.18	17.217	2.66	23.27	1.37								
5.143	1.83	11.200	10.99	17.250	2.66	23.30	1.37								
5.167	1.83	11.217	10.99	17.267	2.66	23.32	1.37								
5.183	1.83	11.233	10.99	17.283	2.66	23.33	1.37								
5.207	1.83	11.267	10.99	17.317	2.66	23.37	1.37								
5.233	1.83	11.283	10.99	17.333	2.66	23.38	1.37								
5.257	1.83	11.317	10.99	17.367	2.66	23.42	1.37								
5.283	1.83	11.333	10.99	17.383	2.66	23.43	1.37								
5.307	1.83	11.367	10.99	17.417	2.66	23.47	1.37								

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

--- TRANSFORMED HYETOGRAPH ---									
TIME HRS	RAIN IN/HR	INFS	INFS	INFS	TIME MIN	RAIN MM/HR	INFS	INFS	INFS
0.033	0.047	0.00	6.067	12.117	140.11	18.17	2.06	0.967	7.917
0.066	0.093	0.00	1.83	12.117	140.11	18.17	2.06	1.26	7.833
0.099	0.139	0.00	1.83	12.153	140.11	18.20	2.06	1.07	7.967
0.132	0.185	0.00	6.117	12.153	140.11	18.22	2.06	1.03	7.883
0.165	0.231	0.00	1.83	12.153	140.11	18.22	2.06	1.07	7.917
0.198	0.277	0.00	6.117	12.189	16.59	18.23	2.06	1.03	7.833
0.231	0.323	0.00	1.83	12.189	16.59	18.23	2.06	1.07	7.967
0.264	0.369	0.00	6.117	12.217	16.48	18.27	2.06	1.03	7.883
0.297	0.415	0.00	1.83	12.217	16.48	18.27	2.06	1.07	7.917
0.330	0.461	0.00	6.117	12.253	16.48	18.28	2.06	1.03	7.833
0.363	0.507	0.00	1.83	12.253	16.48	18.28	2.06	1.07	7.967
0.396	0.553	0.00	6.217	12.267	16.48	18.32	2.06	1.23	7.950
0.429	0.599	0.00	2.06	12.267	16.48	18.32	2.06	1.26	7.883
0.462	0.645	0.00	2.06	12.283	16.48	18.33	2.06	1.26	7.967
0.495	0.691	0.00	2.06	12.283	16.48	18.33	2.06	1.26	7.833
0.528	0.737	0.00	6.317	12.317	16.48	18.37	2.06	1.23	7.950
0.561	0.783	0.00	2.06	12.317	16.48	18.37	2.06	1.26	7.883
0.594	0.829	0.00	2.06	12.369	16.48	18.42	2.06	1.26	7.967
0.627	0.875	0.00	6.317	12.369	16.48	18.42	2.06	1.26	7.833
0.660	0.921	0.00	2.06	12.369	16.48	18.42	2.06	1.26	7.950
0.693	0.967	0.00	6.317	12.419	16.48	18.47	2.06	1.33	7.983
0.726	1.013	0.00	2.06	12.419	16.48	18.47	2.06	1.33	7.883
0.759	1.059	0.00	6.317	12.459	16.48	18.48	2.06	1.33	7.967
0.792	1.105	0.00	2.06	12.459	16.48	18.48	2.06	1.33	7.833
0.825	1.151	0.00	6.409	12.483	16.48	18.48	2.06	1.40	7.950
0.858	1.197	0.00	2.06	12.483	16.48	18.48	2.06	1.40	7.883
0.891	1.243	0.00	6.409	12.500	16.48	18.48	2.06	1.40	7.967
0.924	1.289	0.00	2.06	12.500	16.48	18.48	2.06	1.40	7.833
0.957	1.335	0.00	6.433	12.500	16.48	18.48	2.06	1.40	7.950
0.990	1.381	0.00	2.06	12.533	16.48	18.58	2.06	1.50	7.983
1.023	1.427	0.00	6.433	12.533	16.48	18.58	2.06	1.50	7.883
1.056	1.473	0.00	2.06	12.559	16.48	18.60	2.06	1.51	7.967
1.089	1.519	0.00	6.433	12.559	16.48	18.60	2.06	1.51	7.833
1.122	1.565	0.00	2.06	12.559	16.48	18.63	2.06	1.51	7.950
1.155	1.611	0.00	6.433	12.600	16.48	18.65	2.06	1.56	7.983
1.188	1.657	0.00	2.06	12.600	16.48	18.65	2.06	1.56	7.883
1.221	1.703	0.00	6.433	12.633	16.48	18.68	2.06	1.56	7.967
1.254	1.749	0.00	2.06	12.633	16.48	18.68	2.06	1.56	7.833
1.287	1.795	0.00	6.433	12.667	16.48	18.68	2.06	1.56	7.950
1.320	1.841	0.00	2.06	12.667	16.48	18.68	2.06	1.56	7.883
1.353	1.887	0.00	6.433	12.667	16.48	18.68	2.06	1.56	7.967
1.386	1.933	0.00	2.06	12.717	8.47	18.72	2.06	1.63	7.983
1.419	1.979	0.00	6.433	12.717	8.47	18.72	2.06	1.63	7.883
1.452	2.025	0.00	2.06	12.717	8.47	18.72	2.06	1.63	7.967
1.485	2.071	0.00	6.433	12.750	8.47	18.80	2.06	1.71	7.983
1.518	2.117	0.00	2.06	12.750	8.47	18.80	2.06	1.71	7.883
1.551	2.163	0.00	6.433	12.750	8.47	18.82	2.06	1.73	7.967
1.584	2.209	0.00	2.06	12.750	8.47	18.82	2.06	1.73	7.833
1.617	2.255	0.00	6.433	12.767	8.47	18.85	2.06	1.73	7.950
1.650	2.301	0.00	2.06	12.767	8.47	18.85	2.06	1.73	7.883
1.683	2.347	0.00	6.433	12.817	8.47	18.87	2.06	1.73	7.967
1.716	2.393	0.00	2.06	12.817	8.47	18.87	2.06	1.73	7.833
1.749	2.439	0.00	6.433	12.850	8.47	18.90	2.06	1.73	7.950
1.782	2.485	0.00	2.06	12.850	8.47	18.90	2.06	1.73	7.883
1.815	2.531	0.00	6.433	12.850	8.47	18.92	2.06	1.73	7.967
1.848	2.577	0.00	2.06	12.850	8.47	18.92	2.06	1.73	7.833
1.881	2.623	0.00	6.433	12.850	8.47	18.95	2.06	1.73	7.950
1.914	2.669	0.00	2.06	12.917	8.47	18.97	2.06	1.73	7.883
1.947	2.715	0.00	6.433	12.917	8.47	18.97	2.06	1.73	7.967
1.980	2.761	0.00	2.06	12.917	8.47	18.97	2.06	1.73	7.833
2.013	2.807	0.00	6.433	12.950	8.47	19.00	2.06	1.73	7.950
2.046	2.853	0.00	2.06	12.950	8.47	19.00	2.06	1.73	7.883
2.079	2.899	0.00	6.433	12.950	8.47	19.02	2.06	1.73	7.967
2.112	2.945	0.00	2.06	12.950	8.47	19.02	2.06	1.73	7.833
2.145	2.991	0.00	6.433	12.983	8.47	19.05	2.06	1.73	7.950
2.178	3.037	0.00	2.06	12.983	8.47	19.05	2.06	1.73	7.883
2.211	3.083	0.00	6.433	12.983	8.47	19.07	2.06	1.73	7.967
2.244	3.129	0.00	2.06	12.983	8.47	19.07	2.06	1.73	7.833
2.277	3.175	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.950
2.310	3.221	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.883
2.343	3.267	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.967
2.376	3.313	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.833
2.409	3.359	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.950
2.442	3.405	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.883
2.475	3.451	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.967
2.508	3.497	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.833
2.541	3.543	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.950
2.574	3.589	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.883
2.607	3.635	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.967
2.640	3.681	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.833
2.673	3.727	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.950
2.706	3.773	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.883
2.739	3.819	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.967
2.772	3.865	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.833
2.805	3.911	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.950
2.838	3.957	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.883
2.871	4.003	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.967
2.904	4.049	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.833
2.937	4.095	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.950
2.970	4.141	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.883
3.003	4.187	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.967
3.036	4.233	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.833
3.069	4.279	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.950
3.102	4.325	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.883
3.135	4.371	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.967
3.168	4.417	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.833
3.201	4.463	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.950
3.234	4.509	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.883
3.267	4.555	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.967
3.300	4.601	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.833
3.333	4.647	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.950
3.366	4.693	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.883
3.399	4.739	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.967
3.432	4.785	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.833
3.465	4.831	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.950
3.498	4.877	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.883
3.531	4.923	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.967
3.564	4.969	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.833
3.597	5.015	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.950
3.630	5.061	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.883
3.663	5.107	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.967
3.696	5.153	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.833
3.729	5.199	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.950
3.762	5.245	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.883
3.795	5.291	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.967
3.828	5.337	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.833
3.861	5.383	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.950
3.894	5.429	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.883
3.927	5.475	0.00	6.433	13.017	8.47	19.07	2.06	1.73	7.967
3.960	5.521	0.00	2.06	13.017	8.47	19.07	2.06	1.73	7.833
3.993	5								

----- U.H. Tp(hrs)= 0.11
NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
0.217	1.94	1.217	5.39	2.217	3.22	3.217	2.28	4.217	2.28
0.233	1.94	1.233	5.39	2.233	3.22	3.233	2.28	4.233	2.28
0.250	2.03	1.250	6.08	2.250	4.64	3.250	2.19	4.250	2.19
0.267	2.03	1.267	6.08	2.267	4.64	3.267	2.19	4.267	2.19
0.283	2.03	1.283	6.08	2.283	4.64	3.283	2.19	4.283	2.19
0.300	2.03	1.300	6.08	2.300	4.64	3.300	2.19	4.300	2.19
0.317	2.03	1.317	6.08	2.317	4.64	3.317	2.19	4.317	2.19
0.333	2.03	1.333	6.08	2.333	4.64	3.333	2.19	4.333	2.19
0.350	2.03	1.350	6.08	2.350	4.64	3.350	2.19	4.350	2.19
0.367	2.14	1.367	8.57	2.367	4.20	3.367	2.10	4.367	2.10
0.383	2.14	1.383	8.57	2.383	4.20	3.383	2.10	4.383	2.10
0.400	2.14	1.400	8.57	2.400	4.20	3.400	2.10	4.400	2.10
0.417	2.14	1.417	8.57	2.417	4.20	3.417	2.10	4.417	2.10
0.433	2.27	1.433	12.60	2.433	3.85	3.433	2.03	4.433	2.03
0.450	2.27	1.450	12.60	2.450	3.85	3.450	2.03	4.450	2.03
0.467	2.27	1.467	12.60	2.467	3.85	3.467	2.03	4.467	2.03
0.483	2.27	1.483	12.60	2.483	3.85	3.483	2.03	4.483	2.03
0.500	2.27	1.500	12.60	2.500	3.85	3.500	2.03	4.500	2.03
0.517	2.41	1.517	25.30	2.517	3.55	3.517	1.96	4.517	1.96
0.533	2.41	1.533	25.30	2.533	3.55	3.533	1.96	4.533	1.96
0.550	2.41	1.550	25.30	2.550	3.55	3.550	1.96	4.550	1.96
0.567	2.41	1.567	25.30	2.567	3.55	3.567	1.96	4.567	1.96
0.583	2.57	1.583	67.02	2.583	3.31	3.583	1.89	4.583	1.89
0.600	2.57	1.600	67.02	2.600	3.31	3.600	1.89	4.600	1.89
0.617	2.57	1.617	67.02	2.617	3.31	3.617	1.89	4.617	1.89
0.633	2.57	1.633	67.02	2.633	3.31	3.633	1.89	4.633	1.89
0.650	2.57	1.650	67.02	2.650	3.31	3.650	1.89	4.650	1.89
0.667	2.57	1.667	67.02	2.667	3.31	3.667	1.89	4.667	1.89
0.683	2.76	1.683	28.18	2.767	3.10	3.767	1.83	4.767	1.83
0.700	2.76	1.700	28.18	2.700	3.10	3.700	1.83	4.700	1.83
0.717	2.76	1.717	28.18	2.717	3.10	3.717	1.83	4.717	1.83
0.733	2.76	1.733	28.18	2.733	3.10	3.733	1.83	4.733	1.83
0.750	2.76	1.750	28.18	2.750	3.10	3.750	1.83	4.750	1.83
0.767	2.98	1.767	15.59	2.767	2.92	3.767	1.78	4.767	1.78
0.783	2.98	1.783	15.59	2.783	2.92	3.783	1.78	4.783	1.78
0.800	2.98	1.800	15.59	2.800	2.92	3.800	1.78	4.800	1.78
0.817	2.98	1.817	15.59	2.817	2.92	3.817	1.78	4.817	1.78
0.833	3.26	1.833	10.89	2.833	2.76	3.833	1.68	4.833	1.68
0.850	3.26	1.850	10.89	2.850	2.76	3.850	1.68	4.850	1.68
0.867	3.26	1.867	10.89	2.867	2.76	3.867	1.68	4.867	1.68
0.883	3.26	1.883	10.89	2.883	2.76	3.883	1.68	4.883	1.68
0.900	3.26	1.900	10.89	2.900	2.76	3.900	1.68	4.900	1.68
0.917	3.26	1.917	10.89	2.917	2.76	3.917	1.68	4.917	1.68
0.933	3.59	1.933	8.44	2.933	2.62	3.933	1.68	4.933	1.68
0.950	3.59	1.950	8.44	2.950	2.62	3.950	1.68	4.950	1.68
0.967	3.59	1.967	8.44	2.967	2.62	3.967	1.68	4.967	1.68
0.983	3.59	1.983	8.44	2.983	2.62	3.983	1.68	4.983	1.68
1.000	3.59	1.000	8.44	2.000	2.62	3.000	1.68	4.000	1.68

Unit Hyd Qpeak (cms) = 0.021

PEAK FLOW (cms) = 0.001 (1)

TIME TO PEAK (hrs) = 1.817

TOTAL RAINFALL (mm) = 25.606

RUNOFF COEFFICIENT = 0.169

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB. (0.021) Area (ha) = 1.68 Curve Number (CN) = 79.0
ID= 1.0 DT= 1.0 min Ia (mm) = 0.35 # of Linear Res. (N) = 3.60

391

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
0.517	2.41	1.517	25.30	2.517	3.55	3.517	1.96	4.517	1.96
0.533	2.41	1.533	25.30	2.533	3.55	3.533	1.96	4.533	1.96
0.550	2.41	1.550	25.30	2.550	3.55	3.550	1.96	4.550	1.96
0.567	2.41	1.567	25.30	2.567	3.55	3.567	1.96	4.567	1.96
0.583	2.41	1.583	25.30	2.583	3.55	3.583	1.96	4.583	1.96
0.600	2.41	1.600	25.30	2.600	3.55	3.600	1.96	4.600	1.96
0.617	2.57	1.617	67.02	2.617	3.31	3.617	1.89	4.617	1.89
0.633	2.57	1.633	67.02	2.633	3.31	3.633	1.89	4.633	1.89
0.650	2.57	1.650	67.02	2.650	3.31	3.650	1.89	4.650	1.89
0.667	2.57	1.667	67.02	2.667	3.31	3.667	1.89	4.667	1.89
0.683	2.76	1.683	28.18	2.767	3.10	3.767	1.83	4.767	1.83
0.700	2.76	1.700	28.18	2.700	3.10	3.700	1.83	4.700	1.83
0.717	2.76	1.717	28.18	2.717	3.10	3.717	1.83	4.717	1.83
0.733	2.76	1.733	28.18	2.733	3.10	3.733	1.83	4.733	1.83
0.750	2.76	1.750	28.18	2.750	3.10	3.750	1.83	4.750	1.83
0.767	2.98	1.767	15.59	2.767	2.92	3.767	1.78	4.767	1.78
0.783	2.98	1.783	15.59	2.783	2.92	3.783	1.78	4.783	1.78
0.800	2.98	1.800	15.59	2.800	2.92	3.800	1.78	4.800	1.78
0.817	2.98	1.817	15.59	2.817	2.92	3.817	1.78	4.817	1.78
0.833	3.26	1.833	10.89	2.833	2.76	3.833	1.68	4.833	1.68
0.850	3.26	1.850	10.89	2.850	2.76	3.850	1.68	4.850	1.68
0.867	3.26	1.867	10.89	2.867	2.76	3.867	1.68	4.867	1.68
0.883	3.26	1.883	10.89	2.883	2.76	3.883	1.68	4.883	1.68
0.900	3.26	1.900	10.89	2.900	2.76	3.900	1.68	4.900	1.68
0.917	3.26	1.917	10.89	2.917	2.76	3.917	1.68	4.917	1.68
0.933	3.59	1.933	8.44	2.933	2.62	3.933	1.68	4.933	1.68
0.950	3.59	1.950	8.44	2.950	2.62	3.950	1.68	4.950	1.68
0.967	3.59	1.967	8.44	2.967	2.62	3.967	1.68	4.967	1.68
0.983	3.59	1.983	8.44	2.983	2.62	3.983	1.68	4.983	1.68
1.000	3.59	1.000	8.44	2.000	2.62	3.000	1.68	4.000	1.68

(1) PEAK FLOW DOES NOT INCLUDE BASEFLOW IF ANY.

CALIB. (0.021) Area (ha) = 1.68 Curve Number (CN) = 79.0
ID= 1.0 DT= 1.0 min Ia (mm) = 0.35 # of Linear Res. (N) = 3.60

392

TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN	TIME	RAIN
0.517	2.41	1.517	25.30	2.517	3.55	3.517	1.96	4.517	1.96
0.533	2.41	1.533	25.30	2.533	3.55	3.533	1.96	4.533	1.96
0.550	2.41	1.550	25.30	2.550	3.55	3.550	1.96	4.550	1.96
0.567	2.41	1.567	25.30	2.567	3.55	3.567	1.96	4.567	1.96
0.583	2.41	1.583	25.30	2.583	3.55	3.583	1.96	4.583	1.96
0.600	2.41	1.600	25.30	2.600	3.55	3.600	1.96	4.600	1.96
0.617	2.57	1.617	67.02	2.617	3.31	3.617	1.89	4.617	1.89
0.633	2.57	1.633	67.02	2.633	3.31	3.633	1.89	4.633	1.89
0.650	2.57	1.650	67.02	2.650	3.31	3.650	1.89	4.650	1.89
0.667	2.57	1.667	67.02	2.667	3.31	3.667	1.89	4.667	1.89
0.683	2.76	1.683	28.18	2.767	3.10	3.767	1.83	4.767	1.83
0.700	2.76	1.700	28.18	2.700	3.10	3.700	1.83	4.700	1.83
0.717	2.76	1.717	28.18	2.717	3.10	3.717	1.83	4.717	1.83
0.733	2.76	1.733	28.18	2.733	3.10	3.733	1.83	4.733	1.83
0.750	2.76	1.750	28.18	2.750	3.10	3.750	1.83	4.750	1.83
0.767	2.98	1.767	15.59	2.767	2.92	3.767	1.78	4.767	1.78
0.783	2.98	1.783	15.59	2.783	2.92	3.783	1.78	4.783	1.78
0.800	2.98	1.800	15.59	2.800	2.92	3.800	1.78	4.800	1.78
0.817	2.98	1.817	15.59	2.817	2.92	3.817	1.78	4.817	1.78
0.833	3.26	1.833	10.89	2.833	2.76	3.833	1.68	4.833	1.68
0.850	3.26	1.850	10.89	2.850	2.76	3.850	1.68	4.850	1.68
0.867	3.26	1.867	10.89	2.867	2.76	3.867	1.68	4.867	1.68
0.883	3.26	1.883	10.89	2.883	2.76	3.883	1.68	4.883	1.68
0.900	3.26	1.900	10.89	2.900	2.76	3.900	1.68	4.900	1.68
0.917	3.26	1.917	10.89	2.917	2.76	3.917	1.68	4.917	1.68
0.933	3.59	1.933	8.44	2.933	2.62	3.933	1.68	4.933	1.68
0.950	3.59	1.950	8.44	2.950	2.62	3.950	1.68	4.950	1.68
0.967	3.59	1.967	8.44	2.967	2.62	3.967	1.68	4.967	1.68
0.983	3.59	1.983	8.44	2.983	2.62	3.983	1.68	4.983	1.68
1.000	3.59	1.000	8.44	2.000	2.62	3.000	1.68	4.000	1.68

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 MIN. TIME STEP.

TRANSPIRATION		RAIN		TRANSPIRATION		RAIN		TRANSPIRATION		RAIN	
TIME	PATN	TIME	PATN	TIME	PATN	TIME	PATN	TIME	PATN	TIME	PATN
hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr	hrs	mm/hr
0.517	0.657	1.517	1.777	2.517	1.777	3.517	1.777	4.517	1.777	5.517	1.777
0.533	0.658	1.533	1.777	2.533	1.777	3.533	1.777	4.533	1.777	5.533	1.777
0.550	0.658	1.550	1.777	2.550	1.777	3.550	1.777	4.550	1.777	5.550	1.777
0.567	0.658	1.567	1.777	2.567	1.777	3.567	1.777	4.567	1.777	5.567	1.777
0.583	0.658	1.583	1.777	2.583	1.777	3.583	1.777	4.583	1.777	5.583	1.777
0.6	0.658	1.6	1.777	2.6	1.777	3.6	1.777	4.6	1.777	5.6	1.777
0.617	0.658	1.617	1.777	2.617	1.777	3.617	1.777	4.617	1.777	5.617	1.777
0.633	0.658	1.633	1.777	2.633	1.777	3.633	1.777	4.633	1.777	5.633	1.777
0.650	0.658	1.650	1.777	2.650	1.777	3.650	1.777	4.650	1.777	5.650	1.777
0.667	0.658	1.667	1.777	2.667	1.777	3.667	1.777	4.667	1.777	5.667	1.777
0.683	0.658	1.683	1.777	2.683	1.777	3.683	1.777	4.683	1.777	5.683	1.777
0.7	0.658	1.7	1.777	2.7	1.777	3.7	1.777	4.7	1.777	5.7	1.777
0.717	0.658	1.717	1.777	2.717	1.777	3.717	1.777	4.717	1.777	5.717	1.777
0.733	0.658	1.733	1.777	2.733	1.777	3.733	1.777	4.733	1.777	5.733	1.777
0.750	0.658	1.750	1.777	2.750	1.777	3.750	1.777	4.750	1.777	5.750	1.777
0.767	0.658	1.767	1.777	2.767	1.777	3.767	1.777	4.767	1.777	5.767	1.777
0.783	0.658	1.783	1.777	2.783	1.777	3.783	1.777	4.783	1.777	5.783	1.777
0.8	0.658	1.8	1.777	2.8	1.777	3.8	1.777	4.8	1.777	5.8	1.777
0.817	0.658	1.817	1.777	2.817	1.777	3.817	1.777	4.817	1.777	5.817	1.777
0.833	0.658	1.833	1.777	2.833	1.777	3.833	1.777	4.833	1.777	5.833	1.777
0.850	0.658	1.850	1.777	2.850	1.777	3.850	1.777	4.850	1.777	5.850	1.777
0.867	0.658	1.867	1.777	2.867	1.777	3.867	1.777	4.867	1.777	5.867	1.777
0.883	0.658	1.883	1.777	2.883	1.777	3.883	1.777	4.883	1.777	5.883	1.777
0.9	0.658	1.9	1.777	2.9	1.777	3.9	1.777	4.9	1.777	5.9	1.777
0.917	0.658	1.917	1.777	2.917	1.777	3.917	1.777	4.917	1.777	5.917	1.777
0.933	0.658	1.933	1.777	2.933	1.777	3.933	1.777	4.933	1.777	5.933	1.777
0.950	0.658	1.950	1.777	2.950	1.777	3.950	1.777	4.950	1.777	5.950	1.777
0.967	0.658	1.967	1.777	2.967	1.777	3.967	1.777	4.967	1.777	5.967	1.777
0.983	0.658	1.983	1.777	2.983	1.777	3.983	1.777	4.983	1.777	5.983	1.777
1.0	0.658	2.0	1.777	3.0	1.777	4.0	1.777	5.0	1.777	6.0	1.777
1.017	0.658	2.017	1.777	3.017	1.777	4.017	1.777	5.017	1.777	6.017	1.777
1.033	0.658	2.033	1.777	3.033	1.777	4.033	1.777	5.033	1.777	6.033	1.777
1.050	0.658	2.050	1.777	3.050	1.777	4.050	1.777	5.050	1.777	6.050	1.777
1.067	0.658	2.067	1.777	3.067	1.777	4.067	1.777	5.067	1.777	6.067	1.777
1.083	0.658	2.083	1.777	3.083	1.777	4.083	1.777	5.083	1.777	6.083	1.777
1.1	0.658	2.1	1.777	3.1	1.777	4.1	1.777	5.1	1.777	6.1	1.777
1.117	0.658	2.117	1.777	3.117	1.777	4.117	1.777	5.117	1.777	6.117	1.777
1.133	0.658	2.133	1.777	3.133	1.777	4.133	1.777	5.133	1.777	6.133	1.777
1.150	0.658	2.150	1.777	3.150	1.777	4.150	1.777	5.150	1.777	6.150	1.777
1.167	0.658	2.167	1.777	3.167	1.777	4.167	1.777	5.167	1.777	6.167	1.777
1.183	0.658	2.183	1.777	3.183	1.777	4.183	1.777	5.183	1.777	6.183	1.777
1.2	0.658	2.2	1.777	3.2	1.777	4.2	1.777	5.2	1.777	6.2	1.777
1.217	0.658	2.217	1.777	3.217	1.777	4.217	1.777	5.217	1.777	6.217	1.777
1.233	0.658	2.233	1.777	3.233	1.777	4.233	1.777	5.233	1.777	6.233	1.777
1.250	0.658	2.250	1.777	3.250	1.777	4.250	1.777	5.250	1.777	6.250	1.777
1.267	0.658	2.267	1.777	3.267	1.777	4.267	1.777	5.267	1.777	6.267	1.777
1.283	0.658	2.283	1.777	3.283	1.777	4.283	1.777	5.283	1.777	6.283	1.777
1.3	0.658	2.3	1.777	3.3	1.777	4.3	1.777	5.3	1.777	6.3	1.777
1.317	0.658	2.317	1.777	3.317	1.777	4.317	1.777	5.317	1.777	6.317	1.777
1.333	0.658	2.333	1.777	3.333	1.777	4.333	1.777	5.333	1.777	6.333	1.777
1.350	0.658	2.350	1.777	3.350	1.777	4.350	1.777	5.350	1.777	6.350	1.777
1.367	0.658	2.367	1.777	3.367	1.777	4.367	1.777	5.367	1.777	6.367	1.777
1.383	0.658	2.383	1.777	3.383	1.777	4.383	1.777	5.383	1.777	6.383	1.777
1.4	0.658	2.4	1.777	3.4	1.777	4.4	1.777	5.4	1.777	6.4	1.777
1.417	0.658	2.417	1.777	3.417	1.777	4.417	1.777	5.417	1.777	6.417	1.777
1.433	0.658	2.433	1.777	3.433	1.777	4.433	1.777	5.433	1.777	6.433	1.777
1.450	0.658	2.450	1.777	3.450	1.777	4.450	1.777	5.450	1.777	6.450	1.777
1.467	0.658	2.467	1.777	3.467	1.777	4.467	1.777	5.467	1.777	6.467	1.777
1.483	0.658	2.483	1.777	3.483	1.777	4.483	1.777	5.483	1.777	6.483	1.777
1.5	0.658	2.5	1.777	3.5	1.777	4.5	1.777	5.5	1.777	6.5	1.777
1.517	0.658	2.517	1.777	3.517	1.777	4.517	1.777	5.517	1.777	6.517	1.777
1.533	0.658	2.533	1.777	3.533	1.777	4.533	1.777	5.533	1.777	6.533	1.777
1.550	0.658	2.550	1.777	3.550	1.777	4.550	1.777	5.550	1.777	6.550	1.777
1.567	0.658	2.567	1.777	3.567	1.777	4.567	1.777	5.567	1.777	6.567	1.777
1.583	0.658	2.583	1.777	3.583	1.777	4.583	1.777	5.583	1.777	6.583	1.777
1.6	0.658	2.6	1.777	3.6	1.777	4.6	1.777	5.6	1.777	6.6	1.777
1.617	0.658	2.617	1.777	3.617	1.777	4.617	1.777	5.617	1.777	6.617	1.777
1.633	0.658	2.633	1.777	3.633	1.777	4.633	1.777	5.633	1.777	6.633	1.777
1.650	0.658	2.650	1.777	3.650	1.777	4.650	1.777	5.650	1.777	6.650	1.777
1.667	0.658	2.667	1.777	3.667	1.777	4.667	1.777	5.667	1.777	6.667	1.777
1.683	0.658	2.683	1.777	3.683	1.777	4.683	1.777	5.683	1.777	6.683	1.777
1.7	0.658	2.7	1.777	3.7	1.777	4.7	1.777	5.7	1.777	6.7	1.777
1.717	0.658	2.717	1.777	3.717	1.777	4.717	1.777	5.717	1.777	6.717	1.777
1.733	0.658	2.733	1.777	3.733	1.777	4.733	1.777	5.733	1.777	6.733	1.777
1.750	0.658	2.750	1.777	3.750	1.777	4.750	1.777	5.750	1.777	6.750	1.777
1.767	0.658	2.767	1.777	3.767	1.777	4.767	1.777	5.767	1.777	6.767	1.777
1.783	0.658	2.783	1.777	3.783	1.777	4.783	1.777	5.783	1.777	6.783	1.777
1.8	0.658	2.8	1.777	3.8	1.777	4.8	1.777	5.8	1.777	6.8	1.777
1.817	0.658	2.817	1.777	3.817	1.777	4.817	1.777	5.817	1.777	6.817	1.777
1.833	0.658	2.833	1.777	3.833	1.777	4.833	1.777	5.833	1.777	6.833	1.777
1.850	0.658	2.850	1.777	3.850	1.777	4.850	1.777	5.850	1.777	6.850	1.777
1.867	0.658	2.867	1.777	3.867	1.777	4.867	1.777	5.867	1.777	6.867	1.777
1.883	0.658	2.883	1.777	3.883	1.777	4.883	1.777	5.883	1.777	6.883	1.777
1.9	0.658	2.9	1.777	3.9	1.777	4.9	1.777	5.9	1.777	6.9	1.777
1.917	0.658	2.917	1.777	3.917	1.777	4.917	1.777	5.917	1.777	6.917	1.777
1.933	0.658	2.933	1.777	3.933	1.777	4.933	1.777	5.933	1.777	6.933	1.777
1.950	0.658	2.950	1.777	3.950	1.777	4.950	1.777	5.950	1.777	6.950	1.777
1.967	0.658	2.967	1.777	3.967	1.777	4.967	1.777	5.967	1.777	6.967	1.777
1.983	0.658	2.983	1.777	3.983	1.777	4.983	1.777	5.983	1.777	6.983	1.777
2.0	0.658	3.0	1.777	4.0	1.777	5.0	1.777	6.0	1.777	7.0	1.777
2.017	0.658	3.017	1.777	4.017	1.777	5.017	1.777	6.017	1.777	7.017	1.777
2.033	0.658	3.033	1.777	4.033	1.777	5.033	1.777	6.033	1.777	7.033	1.777
2.050	0.658	3.050	1.777	4.050	1.777	5.050	1.777	6.050	1.777	7.050	1.777
2.067	0.658	3.067	1.777	4.067	1.777	5.067	1.777	6.067	1.777	7.067	1.777
2.083	0.658	3.083	1.777	4.083	1.777	5.083	1.777	6.083	1.777	7.083	1.777
2.1	0.658	3.1	1.777	4.1	1.777	5.1	1.777	6.1	1.777	7.1	1.777
2.117	0.658	3.117	1.777	4.117	1.777	5.117	1.777	6.117	1.777	7.117	1.777
2.133	0.658	3.133	1.777	4.133	1.777	5.133	1.777	6.133	1.777	7.133	1.777
2.150	0.658	3.150	1.777	4.150	1.777	5.150	1.777	6.150	1.777	7.150	1.777
2.167	0.658	3.167	1.777	4.167	1.777	5.167</					

0.933	1.77	1.933	4.93	2.933	6.94	3.93	2.49
0.950	1.77	1.950	4.93	2.950	6.94	3.95	2.49
0.967	1.77	1.967	4.93	2.967	6.94	3.97	2.49
0.984	1.77	1.984	4.93	2.984	6.94	3.99	2.49
0.999	1.77	1.999	4.93	2.999	6.94	4.00	2.49
1.016	1.85	2.016	4.69	2.016	5.93	3.10	2.38
1.033	1.85	2.033	4.69	2.033	5.93	3.12	2.38
1.050	1.85	2.050	4.69	2.050	5.93	3.14	2.38
1.067	1.85	2.067	4.69	2.067	5.93	3.16	2.38
1.084	1.85	2.084	4.69	2.084	5.93	3.17	2.38
1.100	1.85	2.100	4.69	2.100	5.93	3.18	2.38
1.117	1.85	2.117	4.69	2.117	5.93	3.19	2.38
1.134	1.85	2.134	4.69	2.134	5.93	3.20	2.38
1.150	1.85	2.150	4.69	2.150	5.93	3.21	2.38
1.167	1.85	2.167	4.69	2.167	5.93	3.22	2.38
1.184	1.85	2.184	4.69	2.184	5.93	3.23	2.38
1.200	1.84	2.200	5.39	2.200	5.90	3.24	2.38
1.217	1.94	2.217	5.39	2.217	5.20	3.25	2.38
1.234	1.94	2.234	5.39	2.234	5.20	3.26	2.38
1.250	1.94	2.250	5.39	2.250	5.20	3.27	2.38
1.267	2.03	2.267	6.68	2.267	6.44	3.27	2.49
1.284	2.03	2.284	6.68	2.284	6.44	3.27	2.49
1.300	2.03	2.300	6.68	2.300	6.44	3.28	2.49
1.317	2.03	2.317	6.68	2.317	6.44	3.28	2.49
1.334	2.03	2.334	6.68	2.334	6.44	3.29	2.49
1.350	2.14	2.350	8.57	2.350	7.50	3.30	2.49
1.367	2.14	2.367	8.57	2.367	7.50	3.32	2.49
1.384	2.14	2.384	8.57	2.384	7.50	3.33	2.49
1.400	2.14	2.400	8.57	2.400	7.50	3.34	2.49
1.417	2.14	2.417	8.57	2.417	7.50	3.34	2.49
1.434	2.14	2.434	8.57	2.434	7.50	3.34	2.49
1.450	2.27	2.450	12.69	2.450	11.55	3.42	2.49
1.467	2.27	2.467	12.69	2.467	11.55	3.42	2.49
1.484	2.27	2.484	12.69	2.484	11.55	3.42	2.49
1.499	2.27	2.499	12.69	2.499	11.55	3.42	2.49
1.516	2.41	2.516	25.38	2.516	23.55	3.52	2.49
1.533	2.41	2.533	25.38	2.533	23.55	3.53	2.49
1.550	2.41	2.550	25.38	2.550	23.55	3.54	2.49
1.567	2.41	2.567	25.38	2.567	23.55	3.57	2.49
1.584	2.41	2.584	25.38	2.584	23.55	3.57	2.49
1.600	2.57	2.600	67.92	2.600	63.31	3.62	2.49
1.617	2.57	2.617	67.92	2.617	63.31	3.62	2.49
1.633	2.57	2.633	67.92	2.633	63.31	3.63	2.49
1.650	2.57	2.650	67.92	2.650	63.31	3.63	2.49
1.667	2.57	2.667	67.92	2.667	63.31	3.67	2.49
1.683	2.76	2.683	28.18	2.683	26.98	3.68	2.49
1.700	2.76	2.700	28.18	2.700	26.98	3.68	2.49
1.717	2.76	2.717	28.18	2.717	26.98	3.72	2.49
1.733	2.76	2.733	28.18	2.733	26.98	3.73	2.49
1.750	2.76	2.750	28.18	2.750	26.98	3.73	2.49
1.767	2.88	2.767	35.99	2.767	34.79	3.77	2.49
1.783	2.88	2.783	35.99	2.783	34.79	3.77	2.49
1.800	2.88	2.800	35.99	2.800	34.79	3.78	2.49
1.817	2.88	2.817	35.99	2.817	34.79	3.78	2.49
1.833	2.88	2.833	35.99	2.833	34.79	3.78	2.49
1.850	2.88	2.850	35.99	2.850	34.79	3.78	2.49
1.867	3.26	2.867	10.89	2.867	10.89	3.80	2.49
1.883	3.26	2.883	10.89	2.883	10.89	3.80	2.49
1.900	3.26	2.900	10.89	2.900	10.89	3.81	2.49
1.917	3.26	2.917	10.89	2.917	10.89	3.81	2.49
1.933	3.59	2.933	35.99	2.933	34.79	3.88	2.49
1.950	3.59	2.950	35.99	2.950	34.79	3.88	2.49
1.967	3.59	2.967	35.99	2.967	34.79	3.92	2.49
1.983	3.59	2.983	35.99	2.983	34.79	3.92	2.49
1.999	3.59	2.999	35.99	2.999	34.79	3.95	2.49
2.000	3.59	3.000	8.44	3.000	8.44	4.00	2.49
Max.Eff. Inten. (mm/hr) = 29.79							
Storage Coef. (in) = 5.99							
Unit Hyd. Tresp (in) = 7.99							
Storage Coef. Tresp (in) = 5.98							

Appendix D

SWM Facility Design

**Highway 20 & Thorold Townline Road Subdivision
Preliminary Stormwater Management
Thorold, Ontario**



Project Number: 49428-100
Date: November 20, 2024
File: Q:\49428\100\SWM\Preliminary\[49428-100 -Preliminary SWM Analysis.xlsx]WQ Vol FB

Preliminary SWM Facility Sizing

Contributing Land Areas - All

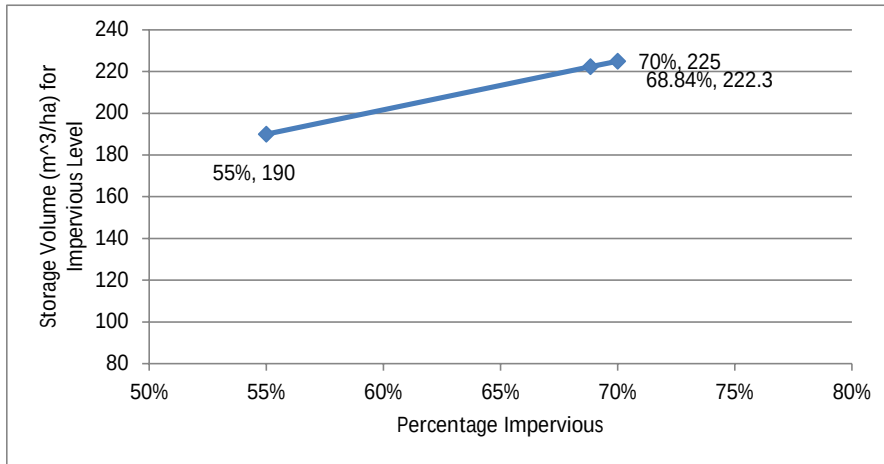
Catchment	Area (ha)	% Impervious	A*I
201	1.68	10%	0.17
204	20.71	75%	15.53
206	1.53	50%	0.77
Total	23.92	68.84%	16.47

MOE Table 3.2 Water Quality Storage Requirements based on Receiving Waters

Protection Level	SWMP Type	Storage Volume (m ³ /ha) for Impervious Level			
		35%	55%	70%	85%
Enhanced 80% long-term S.S. removal	Infiltration	25	30	35	40
	Wetlands	80	105	120	140
	Hybrid Wet Pond/Wetland	110	150	175	195
	Wet Pond	140	190	225	250
Normal 70% long term S.S. removal	Infiltration	20	20	25	30
	Wetlands	60	70	80	90
	Hybrid Wet Pond/Wetland	75	90	105	120
	Wet Pond	90	110	130	150
Basic 60% long-term S.S. removal	Infiltration	20	20	20	20
	Wetlands	60	60	60	60
	Hybrid Wet Pond/Wetland	60	70	75	80
	Wet Pond	60	75	85	95
	Dry Pond (Continuous Flow)	90	150	200	240

Wet Pond

Total Contributing Area = 23.92 ha
Percentage Impervious = 68.8%
Protection Level = Enhanced



Required Storage Volume = 222.3 m³/ha = 5317 m³
 Extended Detention = 40 m³/ha = 957 m³
 Permanent Pool = 182.3 m³/ha = 4360 m³

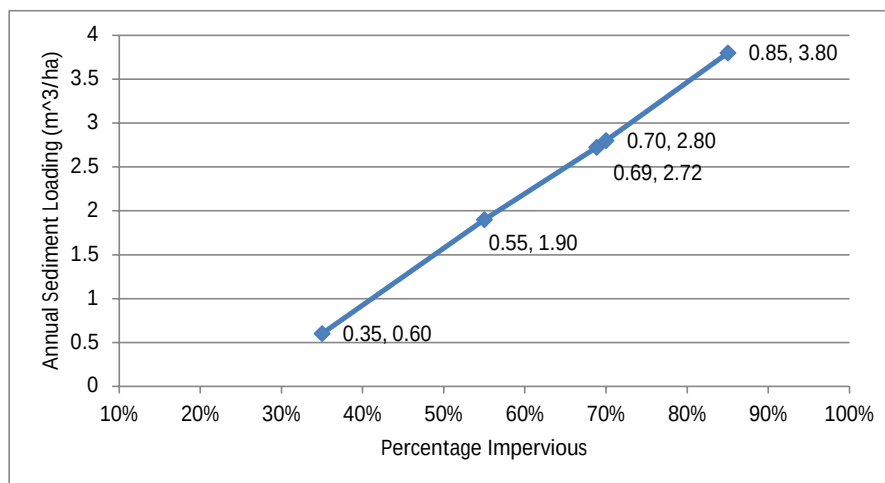
POND CLEANOUT FREQUENCY

Annual Sediment Loadings - MOE Table 6.3

Catchment Imperviousness	Annual Loading (m³/ha)
35%	0.6
55%	1.9
68.8%	2.72
70%	2.8
85%	3.8

Interpolated

Average Catchment Impervious 68.84%
 Total WQ Catchment Area 23.92 ha



Annual Loading 2.72 m³/ha/year
 Forebay Volume to Design Max. Sediment Depth 65.1 m³/year
 Clean-out Frequency 701 m³
 10.8 years (using only Forebay volume)

Pond Sediment Forebay Volume

Elevation (m)	Stage (m)	Area (m^2)	Inc. Vol. (m^3)	Cum. Vol (m^3)	Notes
178.30	0	229	0	0	Bottom
178.40	0.1	288	26	26	
178.50	0.2	347	32	58	
178.60	0.3	407	38	95	
178.70	0.4	466	44	139	
178.80	0.5	525	50	188	
178.90	0.6	584	55	244	
179.00	0.7	643	61	305	
179.10	0.8	703	67	373	
179.20	0.9	762	73	446	
179.30	1	821	79	525	
179.40	1.1	880	85	610	
179.50	1.2	939	91	701	Design Sediment Removal Depth
179.60	1.3	999	97	798	
179.70	1.4	1,058	103	901	
179.80	1.5	1,117	109	1009	
179.90	1.6	1,176	115	1124	
180.00	1.7	1,235	121	1245	
180.10	1.8	1,295	126	1371	
180.20	1.9	1,354	132	1504	
180.30	2	1,413	138	1642	PWL

Pond Main Cell Volume

Elevation (m)	Stage (m)	Area (m^2)	Inc. Vol. (m^3)	Cum. Vol (m^3)	Notes
178.70	0	2192	0	0	Bottom
178.80	0.1	2,298	224	224	
178.90	0.2	2,403	235	460	
179.00	0.3	2,509	246	705	
179.10	0.4	2,615	256	961	
179.20	0.5	2,720	267	1228	
179.30	0.6	2,826	277	1505	
179.40	0.7	2,932	288	1793	
179.50	0.8	3,037	298	2092	
179.60	0.9	3,143	309	2401	
179.70	1	3,249	320	2720	
179.80	1.1	3,354	330	3050	
179.90	1.2	3,460	341	3391	
180.00	1.3	3,566	351	3742	
180.10	1.4	3,671	362	4104	
180.20	1.5	3777	372	4477	



Highway 20 & Thorold Townline Road Subdivision
Preliminary Stormwater Management
Thorold, Ontario

Project Number: 49428-100
Date: November 20, 2024
File: Q:\49428\100\SWM\Preliminary\49428-100 Stage-Storage-Discharge Relationship and Drawdown.xlsm

Orifice Calculations				
$Q_o = C_d * A_o * (2 * g * H_o)^{0.5}$				
	Orifice 1		Orifice 2	Orifice 3
C_d	0.63		0.63	
Invert (m)	180.3		180.7	500
Width (m)	0.00		0.00	0.00
Diameter/Height (m)	0.150		0.750	0.00
Type (H/V)	V		V	V

Cd	Description
0.63	Orifice Plate
0.82	Eccentric Reducer

Weir Calculations	
$Q_w = 2/3 * C_d * (2g)^{1/2} * L * H_w^{3/2} + 8/15 * C_d * (2g)^{1/2} * \tan \theta * H_w^{5/2}$	
Cw	0.50
Invert (m)	182.3
Length (m)	1.3
Side Slope (H:V)	3
Side Slope (rad)	1.249

STAGE-DISCHARGE RELATIONSHIP

Stage	Active Volume		Orifice 1			Orifice 2			Orifice 3			Weir Flow	Total Flow
			Area	H _o	Flow	Area	H _o	Flow	Area	H _o	Flow		
m	m ³	ha.m	m ²	m	m ³ /s	m ²	m	m ³ /s	m ²	m	m ³ /s	m ³ /s	m ³ /s
180.30	0	0.0000	0.000	0.00	0.0000	0.000	0.00	0.0000	0.00	0.00	0.0000	0.0000	0.0000
180.40	473	0.0473	0.013	0.05	0.0078	0.000	0.00	0.0000	0.00	0.00	0.0000	0.0000	0.0078
180.50	965	0.0965	0.018	0.12	0.0174	0.000	0.00	0.0000	0.00	0.00	0.0000	0.0000	0.0174
180.60	1478	0.1478	0.018	0.22	0.0234	0.000	0.00	0.0000	0.00	0.00	0.0000	0.0000	0.0234
180.70	2010	0.2010	0.018	0.32	0.0281	0.000	0.00	0.0000	0.00	0.00	0.0000	0.0000	0.0281
180.80	2561	0.2561	0.018	0.42	0.0321	0.035	0.05	0.0219	0.00	0.00	0.0000	0.0000	0.0540
180.90	3133	0.3133	0.018	0.52	0.0357	0.095	0.10	0.0835	0.00	0.00	0.0000	0.0000	0.1192
181.00	3724	0.3724	0.018	0.62	0.0390	0.165	0.15	0.1783	0.00	0.00	0.0000	0.0000	0.2173
181.10	4334	0.4334	0.018	0.72	0.0420	0.240	0.20	0.2990	0.00	0.00	0.0000	0.0000	0.3410
181.20	4965	0.4965	0.018	0.82	0.0448	0.313	0.25	0.4365	0.00	0.00	0.0000	0.0000	0.4813
181.30	5615	0.5615	0.018	0.92	0.0474	0.379	0.30	0.5791	0.00	0.00	0.0000	0.0000	0.6265
181.40	6285	0.6285	0.018	1.02	0.0499	0.429	0.35	0.7085	0.00	0.00	0.0000	0.0000	0.7584
181.50	6974	0.6974	0.018	1.12	0.0523	0.442	0.42	0.8037	0.00	0.00	0.0000	0.0000	0.8560
181.60	7684	0.7684	0.018	1.22	0.0546	0.442	0.52	0.8933	0.00	0.00	0.0000	0.0000	0.9478
181.70	8413	0.8413	0.018	1.32	0.0568	0.442	0.62	0.9746	0.00	0.00	0.0000	0.0000	1.0314
181.80	9161	0.9161	0.018	1.42	0.0589	0.442	0.72	1.0497	0.00	0.00	0.0000	0.0000	1.1086
181.90	9930	0.9930	0.018	1.52	0.0609	0.442	0.82	1.1198	0.00	0.00	0.0000	0.0000	1.1807
182.00	10718	1.0718	0.018	1.62	0.0629	0.442	0.92	1.1857	0.00	0.00	0.0000	0.0000	1.2486
182.10	11525	1.1525	0.018	1.72	0.0648	0.442	1.02	1.2481	0.00	0.00	0.0000	0.0000	1.3129
182.20	12353	1.2353	0.018	1.82	0.0666	0.442	1.12	1.3076	0.00	0.00	0.0000	0.0000	1.3742
182.30	13200	1.3200	0.018	1.92	0.0684	0.442	1.22	1.3645	0.00	0.00	0.0000	0.0000	1.4329
182.40	14070	1.4070	0.018	2.02	0.0702	0.442	1.32	1.4191	0.00	0.00	0.0000	0.0719	1.5612
182.50	14966	1.4966	0.018	2.12	0.0719	0.442	1.42	1.4717	0.00	0.00	0.0000	0.2351	1.7786
182.60	15888	1.5888	0.018	2.22	0.0736	0.442	1.52	1.5224	0.00	0.00	0.0000	0.4901	2.0861
182.70	16837	1.6837	0.018	2.32	0.0752	0.442	1.62	1.5716	0.00	0.00	0.0000	0.8442	2.4909
182.80	17811	1.7811	0.018	2.42	0.0768	0.442	1.72	1.6192	0.00	0.00	0.0000	1.3050	3.0010
182.90	18811	1.8811	0.018	2.52	0.0784	0.442	1.82	1.6655	0.00	0.00	0.0000	1.8802	3.6240
183.00	19838	1.9838	0.018	2.62	0.0799	0.442	1.92	1.7105	0.00	0.00	0.0000	2.5769	4.3672
183.10	20891	2.0891	0.018	2.72	0.0814	0.442	2.02	1.7543	0.00	0.00	0.0000	3.4019	5.2376
183.20	21969	2.1969	0.018	2.82	0.0829	0.442	2.12	1.7971	0.00	0.00	0.0000	4.3618	6.2418
183.30	23074	2.3074	0.018	2.92	0.0843	0.442	2.22	1.8389	0.00	0.00	0.0000	5.4630	7.3863
183.40	24205	2.4205	0.018	3.02	0.0858	0.442	2.32	1.8798	0.00	0.00	0.0000	6.7114	8.6770
183.50	25362	2.5362	0.018	3.12	0.0872	0.442	2.42	1.9198	0.00	0.00	0.0000	8.1129	10.1199

Highway 20 & Thorold Townline Road Subdivision
Preliminary Stormwater Management
Thorold, Ontario



Project Number: 49428-100
Date: November 20, 2024
File: Q:\49428\100\SWM\Preliminary\49428-100 -Preliminary SWM Analysis.xlsx\WQ Vol FB

SWM Facility Sizing

PRELIMINARY SEDIMENT FOREBAY SIZING

Based on MOE SWMP Planning & Design Manual

Length Based on Settling Velocity

$$L = \sqrt{\frac{r Q_p}{v_s}}$$

L = 30.04 m

r : 1 = length to width ratio
Q_p = peak SWM outflow during quality storm (m³/s)
v_s = settling velocity for 0.15 mm particles (m/s)

r = 2.68
Q_p = 0.101
v_s = 0.0003

Dispersion Length

$$L_D = \frac{8 Q}{d v_f}$$

L_D = 27.00 m

Q = Inlet pipe to SWM facility - 1350mmØ at 0.40% (m³/s)
d = depth of perm pool in forebay (m)
v_f = desired vel in forebay (m/s)

Q = 3.375
d = 2
v_f = 0.5

Check Scour Velocity

$$v = Q/A$$

v = 0.1118 m/s

b = bottom width (avg) of forebay (m)
Q = inlet flow (m³/s)
A = cross-sectional area (m²)
Target velocity = 0.15 m/s

b = 5.1
Q = 3.375
A = 30.2
V_{targ} = 0.15

Therefore, Velocity Target Satisfied

Required Forebay Length = 30.04 m
Forebay Length Provided = 67.0 m. Therefore criterion satisfied.

Highway 20 & Thorold Townline Road Subdivision
Preliminary Stormwater Management
Thorold, Ontario



Project Number: 49428-100
Date: November 20, 2024
File: Q:\49428\100\SWM\Preliminary\[49428-100 -Preliminary SWM Analysis.xlsx]Det Time

Preliminary SWM Facility Sizing

DETENTION TIME CALCULATION FOR EXTENDED DETENTION VOLUME

Pond drawdown time can be estimated using Equation 4.10
(MOEE SWMP Planning & Design Manual)

$$t = \frac{2 A_p}{C A_o (2g)^{0.5}} (h_1^{0.5} - h_2^{0.5})$$

t = drawdown time in seconds	=	to be calculated
Ap = surface area of the pond (m ²)	=	5205 (Avg. Surface Area between h ₁ & h ₂)
C = discharge coefficient	=	0.63
D = diameter of controlling orifice (m)	=	0.150
Ao = cross-sectional area of orifice (m ²)	=	0.01767
g = acceleration due to gravity (m/s ²)	=	9.81
Orifice invert elevation (m)	=	180.300 (Permanent Pool Elev.)
Orifice centreline elevation (m)	=	180.375
Extended detention elevation (m)	=	180.880
h ₁ = starting water level above orifice (m)	=	0.5050
h ₂ = ending water level above orifice (m)	=	0.00

t = 150015 seconds =

41.7 hours

Appendix E

Pond SWM Facility Operations & Maintenance Manual





Highway 20 & Thorold Townline Road Subdivision

Operations & Maintenance Manual

Wet Pond Stormwater Management Facility

Project Location:

13030 Lundy's Lane (Highway 20), Thorold, ON

Prepared for:

RUDANCO Hospitality Corporation

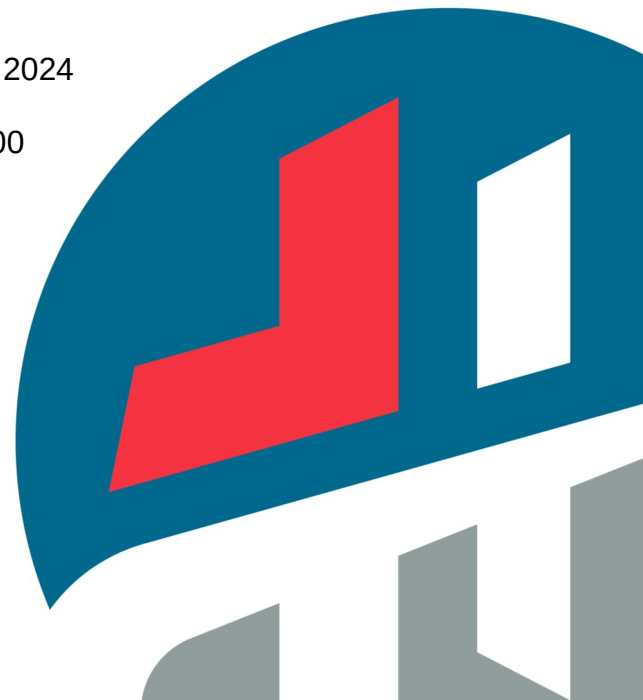
Prepared by:

MTE Consultants
1016 Sutton Drive, Unit A
Burlington, ON L7L 6B8

October 27, 2023

Revised: November 22, 2024

MTE File No.: 49428-100





Contents

1.0	Introduction.....	1
1.1	References	1
2.0	Stormwater Management Facility Overview.....	3
2.1	Stormwater Management Criteria.....	3
2.1.1	Water Quality Control.....	3
2.1.2	Water Quantity Control	3
2.2	SWM Facility Design Features and Components	3
3.0	Stormwater Management Facility Maintenance	4
3.1	Maintenance Inspections	4
3.1.1	Inspection Recommendations Specific to Construction Phase	4
3.1.2	Visual Inspections	5
3.1.3	Sediment Depth Measurements.....	6
3.1.4	Outlet Inspection.....	6
3.2	Maintenance Operations	6
3.2.1	General Maintenance.....	7
3.2.2	Sediment Removal Frequency	7
3.2.3	Sediment Testing and Disposal.....	7
3.2.4	Sediment Removal Techniques	8
3.2.5	Maintenance Cost Estimates	9

Figures

Figure 1.0 – Site Location Plan	2
---------------------------------------	---

Tables

Table 2.1 – SWM Facility Design and Operational Characteristics	3
Table 2.2 – Summary of SWM Facility Ponding Elevations	4
Table 3.1 – SWM Facility Monitoring and Maintenance Summary.....	9

Attachments

Attachment A	Maintenance and Monitoring Checklist
--------------	--------------------------------------

1.0 Introduction

The Highway 20 & Thorold Townline Road Subdivision development is located at 13030 Lundy's Lane, Thorold, Ontario (see **Figure 1.0** for location plan). Stormwater management (SWM) facility Pond is located northeast of the Street A at Thorold Townline Road and discharges to Beaverdams Creek and Thorold Townline Road ditch to Beaver Dams Creek. Water quality and quantity control for runoff from the majority of the site, is provided by this wet pond SWM facility.

The purpose of this manual is to describe and document an operations and maintenance approach for the onsite SWM measures. It is intended to be used by the developer prior to change in ownership of the facility to the City of Thorold, as well as by the municipality following change in ownership for long term maintenance and monitoring. The plan generally consists of regular site inspections and routine maintenance to ensure the facilities continue to function at design efficiency and benefit the surrounding environment.

1.1 References

The following documentation was consulted in the preparation of this operations and maintenance manual:

- Ref. 1: *Stormwater Management Planning and Design Manual*, Ministry of the Environment (March 2003).
- Ref. 2: *Storm Water Management Facility Sediment Maintenance Guide*, Greenland International Consulting Inc. (August 1999).
- Ref. 3: *Highway 20 & Thorold Townline Road Subdivision Preliminary Stormwater Management Report*, MTE Consultants Inc. (November 5, 2024)



PROJECT

**PROPOSED PLAN OF SUBDIVISION
13030 LUNDY'S LANE**

TITLE

LOCATION PLAN

Drawn	LXQ	Scale	NTS
Checked	RSM	Project No.	49428-100
Date	2023-10-06	Rev No.	0

Figure

F1.1

2.0 Stormwater Management Facility Overview

The design criteria and operational characteristics of the SWM facilities are summarized below. For a detailed discussion on SWM facility design, analysis, and expected facility performance, the reader should refer to the Stormwater Management Report for the project (Ref. 3).

2.1 Stormwater Management Criteria

2.1.1 Water Quality Control

Storm runoff from the majority of the site is captured by the internal storm sewer system which discharges to Beaverdams Creek. SWM criteria for site runoff require “Enhanced” water quality treatment (80% TSS removal) prior to discharging into the receiving system. As such, required treatment of the surface runoff is provided by the wet pond SWM facility located near the northeast limits of the Subject Lands.

2.1.2 Water Quantity Control

Required post-development peak flow reduction to pre-development levels is provided for the site by the wet pond SWM facility.

2.2 SWM Facility Design Features and Components

Table 2.1 summarizes some of the design characteristics of the Pond and Table 2.2 summarizes the facility ponding levels during the various design storm events. Please refer to the previously noted SWM report for additional information.

Table 2.1 – Pond C1 Design and Operational Characteristics

SWM Facility Elevations and Volumes		
Aspect	Elevation (m)	Storage Volume (m ³)
Pond Bottom	178.30	0
Permanent Pool Elevation; 150mm dia. Orifice Invert	180.30	5,636 Dead 0 Live
Enhanced WQ Storage Volume	180.88	3,003
750mm dia. Orifice Invert	180.70	2,011
Weir Crest Elevation	182.30	13,200
Top of Freeboard	183.50	25,362

Table 2.2 – Summary of SWM Facility Ponding Elevations

Storm Event	Maximum Ponding Elevation (m)
25mm WQ	180.88
2 Year Storm Event	181.30
5 Year Storm Event	181.47
10 Year Storm Event	181.62
25 Year Storm Event	181.83
50 Year Storm Event	181.95
100 Year Storm Event	182.10

Other key features of the SWM facilities include:

- An inlet headwall structure to the Sediment Forebay.
- A low-flow outflow orifice.
- A forebay bypass inlet channel.
- An outlet pipe.
- An emergency outlet weir.
- A Maintenance Access path.

3.0 Stormwater Management Facility Maintenance

3.1 Maintenance Inspections

The inspection plan for the SWM facility consists of visual site inspections and sediment depth measurements that will identify potential maintenance and safety issues requiring corrective actions.

3.1.1 Inspection Recommendations Specific to Construction Phase

During the construction phase, there is the potential for large land areas to be stripped of natural vegetative cover, thereby increasing sediment loading. Prior to the development of the site and installation of any associated SWM facility, a temporary sediment basin (TSB) shall be constructed per the Erosion & Sediment Control plans to allow for sediment capture as a result of construction activity. When construction is taking place, regular inspections should be made of the specified erosion and sediment control measures to ensure they are in place and functioning. These measures are detailed on the engineering design drawings for the site.

The erosion and sedimentation control plans specify several measures that are to be in place during the construction phase including:

- Mud Mats at proposed construction access locations.
- Sediment control fencing around the site and stockpiles.
- Temporary sediment basin outlet pipe and spreader berm.
- Sediment control fencing downstream of the TSB outlet pipe to prevent sediment discharge to the receiving watercourse.
- Rock check dams; and
- Silt sack sediment capture devices in existing and proposed catchbasins.

Each of these measures is to be regularly inspected and cleaned/replaced as necessary such that the intended function is maintained.

3.1.2 Visual Inspections

Visual inspections are intended to survey the overall condition of the SWM facility and surrounding area. In the period following construction of the facility (2 years), visual inspections are recommended to be conducted four (4) times per year (one per season) and after any significant rainfall events. For the purposes of this manual, a “significant” event is generally when the total precipitation from an isolated storm event is greater than 15 mm. If the seasonal inspections are completed in conjunction with the significant rain events, inspections that address additional significant rain events may result in an additional two or three inspections per year.

Following the initial 2-year period after construction of the facility, the frequency of monitoring could potentially be reduced based on a familiarity with pond operations and an acceptable level of performance. It is recommended that at a minimum, one visit continue to occur each spring, as well as another visit following a summer or autumn significant rainfall event.

Inspections can be conducted by a single person over a period of 1-3 hours. A detailed inspection checklist is provided in Attachment “A” which can be used to identify the status of inspection items. Copies of completed inspection checklists, as well as any associated photographs, should be stored together to form complete documentation of the ongoing condition of the facility. Recommendations or requirements for pond maintenance are to be clearly communicated to the facility Owner for implementation. Documentation associated with any maintenance or cleanout activities is to be stored with the inspection reports.

In general (details on inspection checklist in Attachment “A”), items that should be observed and noted during a visual inspection of the facility include:

- Litter, debris and trash buildup in and around the facility.
- Clogging of inlet and outlet structures, including interior of Maintenance Holes.
- Erosion of internal or external berms or excessive erosion at facility inlet/outlet structures.
- Landscaping conditions.
- Obvious sediment buildup or sediment plumes, particularly at pond inlet, which could indicate that upstream erosion controls (during construction within the catchment areas) are not working properly or are absent.
- Condition of structures (headwalls, weirs, outlet manhole, etc.).

In addition to the above, items that may be unsafe or cause damage or injury to the public should be identified and noted. These may include, but are not limited to:

- Vandalism to components within the facility, safety grates / lids removed or damaged.
- Settlement along areas accessible to pedestrians.
- Slope erosion or other scouring in areas that pedestrians may access.
- Gate across maintenance access in disrepair.

3.1.3 Sediment Depth Measurements

Since the wet pond SWM facility is designed to retain sediment from site runoff, sediment will accumulate in the SWM facility over time. It is recommended that sediment depth measurements be completed each year during the construction phases of development.

Sediment depth measurements should be taken early in the spring season to ensure efficient facility function during the non-winter period (particularly while construction activities are still taking place within the catchment area).

Numerous depth measurements should be taken in the central portions of the SWM facility in order to obtain a reasonable estimate of total accumulated volume. Sediment removal frequency is discussed in Section 3.2.2 of this manual.

Following the completion of construction, sediment loadings will be reduced due to site stabilization, as such the frequency of measurements could be reduced to between 2-5 year intervals.

3.1.4 Outlet Inspection

Visual inspection of the area of the outlet near Thorold Townline Ditch to Beaverdams Creek should be done seasonally and should include the following aspects:

- Erosion – any soil erosion near the facility outlet should be noted and scheduled for remediation as soon as possible.
- Rip rap outlet to water surface – if it is evident that riprap between the outlet and the receiving stream has moved, it should be replaced to protect the stream overbank from erosion.

3.2 Maintenance Operations

This section identifies the specific tasks required to comply with the monitoring plan described above. The maintenance responsibilities have been separated into general maintenance and sediment removal/disposal, and reflect expected long term maintenance activities.

3.2.1 General Maintenance

General maintenance includes all tasks required for regular facility upkeep:

- Plantings – During the first two years of operation, it is expected that the SWM facility vegetation will require some replanting or enhancement. The condition of the facility vegetation should be noted during the visual inspections and corrective actions noted. A Landscape Architect or experienced contractor should be consulted with respect to the time of planting and type of vegetation.
- Trash Removal – Trash removal will prevent the clogging of inlets and outlets that could impact the operation of the facility. Trash removal should be completed in the spring and then on an as-required basis for the duration of the year.
- Clearing Outlet Structures – During visual inspections, the condition of the outlet manhole and overflow weir for the facility should be observed to ensure that they are free and clear of debris and sediment and to ensure that orifices are able to function properly. Any maintenance of these items should be completed immediately as needed.

3.2.2 Sediment Removal Frequency

Sediment removal should occur when the sediment reaches a depth of 1.10m in the sediment forebay of the Pond.

3.2.3 Sediment Testing and Disposal

When field measurements show sediment removal is required, the sediment quality must be analyzed to determine the most appropriate method and location of disposal. Sediment samples must be collected from the wet pond. There are currently no government publications dedicated specifically to the disposal of accumulated SWM facility sediment, however, the following documents and regulations provide guidance:

- *Guidelines for the Protection and Management of Aquatic Sediment Quality in Ontario (MOE, August 1993).*
- *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Ontario Regulation 153/04 (MOE, March 2004).*
- *Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Ontario Regulation 511/09 (MOE, July 2009).*
- *Ontario Environmental Protection Act, (OEPA) Ontario Regulation 347, Schedule 4, Toxicity Characteristic Leaching Procedure Test.*
- *Provincial Water Quality Objectives (MOE, July 1994).*

Two to three sediment samples should be collected from the area of sediment removal and submitted to an accredited laboratory for analysis of the following:

- a. Volatile organic compounds (VOCs).
- b. Semi-volatile organic compounds (SVOCs).
- c. Petroleum Hydrocarbons (PHCs), fractions F1-F4; and
- d. Metals.

In addition, one composite sample of the sediment should be collected and submitted for analysis of Ontario Regulation 347 Toxicity Characteristic Leaching Procedure (TCLP) to identify whether contamination levels are high enough to rate the sediment as “registerable

waste” material, requiring proper disposal at a registered landfill facility. This sample should also be analyzed for polychlorinated biphenyls (PCB) and ignitability.

Sediment quality results should be compared to O. Reg. 511/09 Table 1 and Table 2 standards. The TCLP result should be compared to O. Reg. 347, Schedule 4 leachate criteria.

Detailed discussions of sediment chemistry have not been included as it is expected that chemistry from residential catchments has lower contaminant concentrations. The Storm Water Management Facility Sediment Maintenance Guide (Greenland, 1999), along with current environmental regulations (those noted above may be superseded at the time of sediment removal), should be referred to for further information on specific requirements when analysing sediment chemistry.

All work is to be done in accordance with Provincial and Municipal excess soil guidelines and regulations current at the time of the work.

3.2.4 Sediment Removal Techniques

Once it has been determined that sediment removal is required, the following procedures/guidelines provide the general methodology for cleaning the SWM facility:

- If possible, it would be advantageous to conduct sediment removal operations during the dry summer months which provide a greater potential for extended periods of limited inflow into the facility.
- Prior to cleaning, an inventory of the existing SWM facility vegetation should be undertaken in the area proposed for disturbance.
- The wet pool and sediment forebay should be drained of water, and remaining sediment should be allowed to drain. Discharged water should be released through a filter bag or other measure to ensure that sediment is not released to the receiving watercourse.
- Removal of the sediment can be completed with the use of an excavator. It would be preferred to utilize a toothless bucket to avoid significantly altering the pond sides and bottom, in order to reduce landscape restoration costs. If available, a machine equipped with a GPS-enabled control module would facilitate relatively fast and accurate sediment removal.
- Material can be moved directly to the site receiving the sediment via dump trucks.
- Following removal of the accumulated sediment, if required grading can commence to restore the facility to its original condition.
- After sediment removal the facility should be restored with reference to the design engineering and landscape drawings. This would include replanting/replacing damaged vegetation, topsoil replacement, replacing/repairing damaged structures, and removing remnant construction debris.

3.2.5 Maintenance Cost Estimates

Table 3.1 provides a summary of SWM facility maintenance and monitoring items, frequency and estimated costs, based on a review of the *Stormwater Management Planning and Design Manual* (MOE, 2003) and the *Storm Water Management Facility Sediment Maintenance Guide* (Greenland, 1999).

Table 3.1 – SWM Facility Monitoring and Maintenance Summary

Item	Estimated Frequency	Estimated Cost
Visual Inspection	Four to eight times per year	\$2,000-4,000 / year
Sediment Measurement	Once per year	\$1,500 / year
Litter/Debris Removal	Once per year	\$1,000 / year
Grass Cutting	As required	\$250 / per
Weed Control	As required	\$2,000 / per
Vegetation Maintenance	Every 5 years	\$5,000 / 5 years
Sediment Removal from SWM Facility	Once every 10 to 15 years	\$250,000 / cleanout

The cost of some items, such as sediment removal and disposal is highly dependent on how far the sediment will be transported for disposal, if it is deemed hazardous, etc. For these larger maintenance items competitive quotes from qualified contractors will be the best method of determining actual cost. The following assumptions were made in preparing the sediment removal estimate:

- No special sediment dewatering procedures are required.
- Sediment removal will be done with mechanical excavator to load dump trucks.
- All affected vegetation will be completely removed and re-instated.

The final cost can vary substantially from the estimate due to site-specific factors that result from the maintenance operation. Staff responsible for facility maintenance should develop budgets considering that costs of maintenance have the potential to vary significantly. Some of the factors that substantially affect cost are listed below:

- Relative distance to disposal site
- Weather impacts during maintenance operations
- Amount of restoration required after completion
- Costs related to dealing with sediment contamination (not highly anticipated with residential runoff)
- Landfill charges.

Attachment A

Stormwater Management Facility Inspection Report





Project Name:

Date of Inspection:

Inspected By:

Client:

Municipality:

Pond Location:

Status of Acceptance / Construction:

Maintenance History:

MTE File No:

Date of Last Rain Event:

Event Rainfall (mm):

SWM Facility ID:

Watershed:

General Conditions**Comments**

Free of Debris	☐ Yes	☐ No	If no, elaborate
Blockages (Sediment, Trash, Algae, etc.)	☐ Yes	☐ No	If yes, elaborate
Erosion/Evidence of Soil Movement	☐ Yes	☐ No	If yes, elaborate
Access Road Accessible and Clear	☐ Yes	☐ No	
Visually Evident Sediment Build Up	☐ Yes	☐ No	
Side Slope Conditions	☐ Good	☐ Fair	☐ Poor
Diversion Berm Stability	☐ Good	☐ Fair	☐ Poor
Sediment Forebay Overall Condition	☐ Good	☐ Fair	☐ Poor
Slope Toe Drain Outletting Water	☐ Yes	☐ No	☐ N/A
Facility Permanent Pool Overall Condition	☐ Good	☐ Fair	☐ Poor
Wildlife Activity (Geese, Ducks, etc.)	☐ Yes	☐ No	If yes, elaborate

Landscaping Conditions

Grass Cover	☐ Yes	☐ No	
Landscaping Complete	☐ Yes	☐ No	
Stage of Landscaping Growth	☐ Lush	☐ Developing	☐ Sparse
Condition of Fencing	☐ Satisfactory	☐ Unsatisfactory	☐ Not Installed
Condition of Trails/Access Roads	☐ Good	☐ Fair	☐ Poor

Water Conditions

Water Clarity - Forebay	☐ Good	☐ Fair	☐ Poor
Water Clarity - Wetpond	☐ Good	☐ Fair	☐ Poor
Water Clarity - Wetland	☐ Good	☐ Fair	☐ Poor
Water Inflow at Time of Inspection	☐ Yes	☐ No	
Water Outflow at Time of Inspection	☐ Yes	☐ No	
Water Sample (TSS) at Inlet	☐ Yes	☐ No	
Water Sample (TSS) at Outlet	☐ Yes	☐ No	
Elevation of Water to Permanent Pool	☐ Above	☐ At	☐ Below
Estimated Depth of Water Over Forebay Weir:	_____ m	☐	
Staff gauge reading:	_____ m	☐	☐ N/A

Structure Conditions

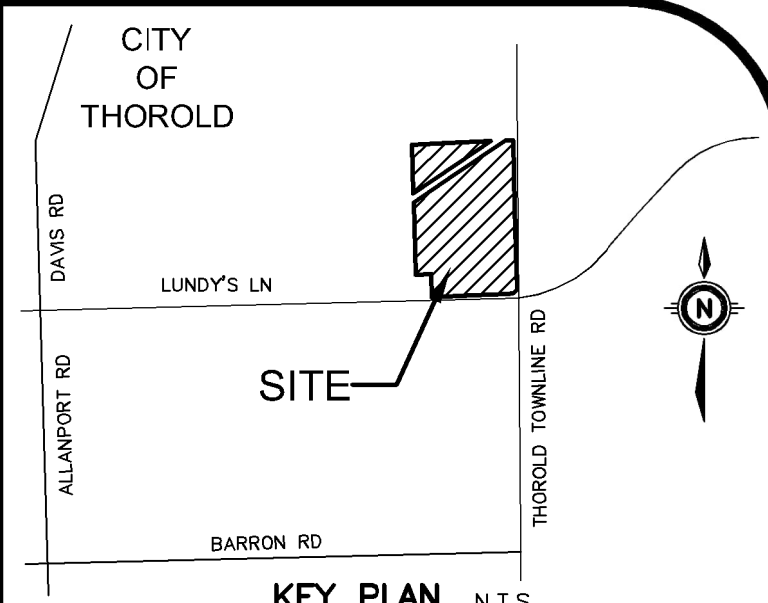
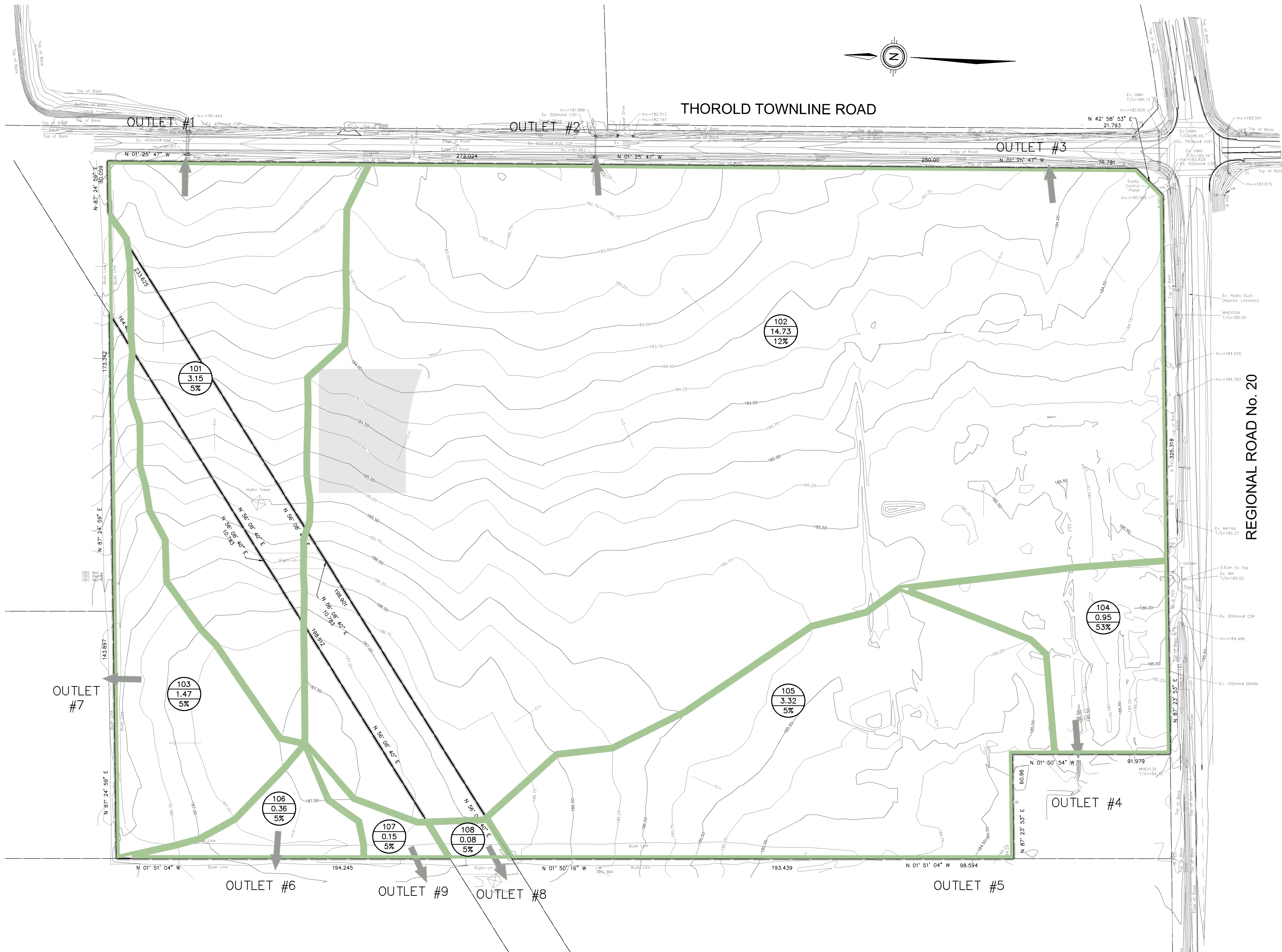
Condition of Oil/Grit Separator	☐ Good	☐ Fair	☐ Poor	N/A
Overall Pond Inlet Condition	☐ Good	☐ Fair	☐ Poor	
Condition of Overland Flow Route(s)	☐ Good	☐ Fair	☐ Poor	
Condition of Splitter Manhole	☐ Good	☐ Fair	☐ Poor	
Condition of Headwall	☐ Good	☐ Fair	☐ Poor	
Condition of Weirs	☐ Good	☐ Fair	☐ Poor	
Condition of Diversion Berm	☐ Good	☐ Fair	☐ Poor	
Outlet type Choose an item.	Other: _____			
Overall Condition of Pond Outlet	☐ Good	☐ Fair	☐ Poor	
Condition of Emergency Spillway	☐ Good	☐ Fair	☐ Poor	

Safety

Inlet/Outlet Grates Safely Secured	☐ Yes	☐ No
Structure Lids Closed and Locked	☐ Yes	☐ No
Fencing/Hand Rails in Good Condition	☐ Yes	☐ No

Remarks:**cc:****Signature:****Date:**

Drawings



GEODETIC BM	ELEV. =	NAm
SITE BENCHMARK	ELEV. =	NAm

NOTE TO CONTRACTOR :
DO NOT SCALE DRAWINGS.
CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION.
THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

LEGEND	
	SITE BOUNDARY
	DRAINAGE AREA
	ID No. AREA (Ha) % IMPERVIOUS
	EXISTING DIRECTION OF DRAINAGE
	EXISTING OUTLET LOCATION

8.		
7.		
6.		
5.		
4.		
3.		
2.	SECOND SUBMISSION FOR DRAFT PLAN APPROVAL	RSM 2024-11-26
1.	ISSUED FOR DRAFT PLAN APPROVAL	RSM 2023-12-13
No.	REVISION	BY YYYY-MM-DD

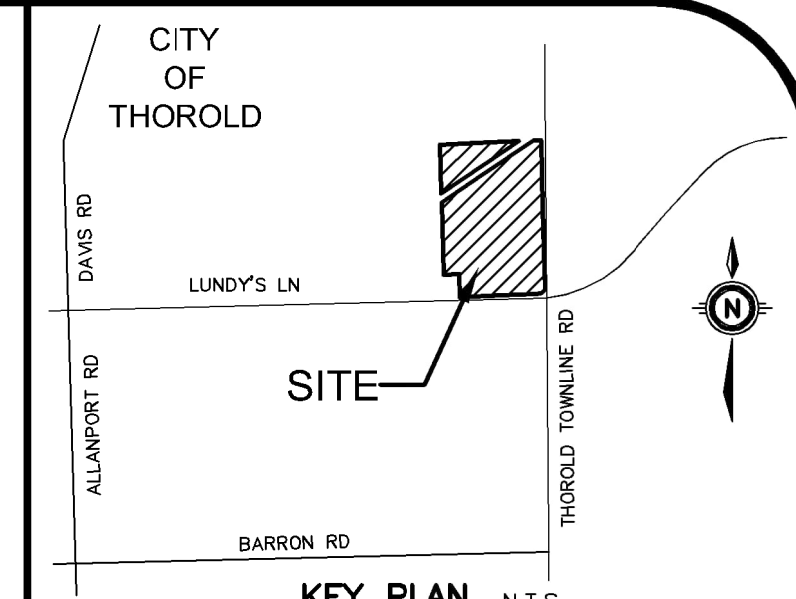
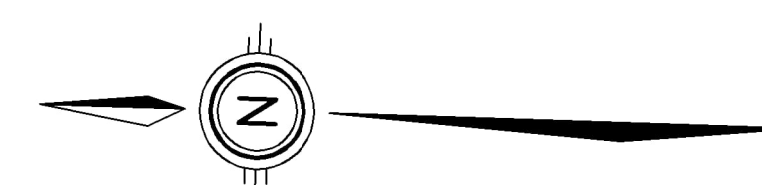
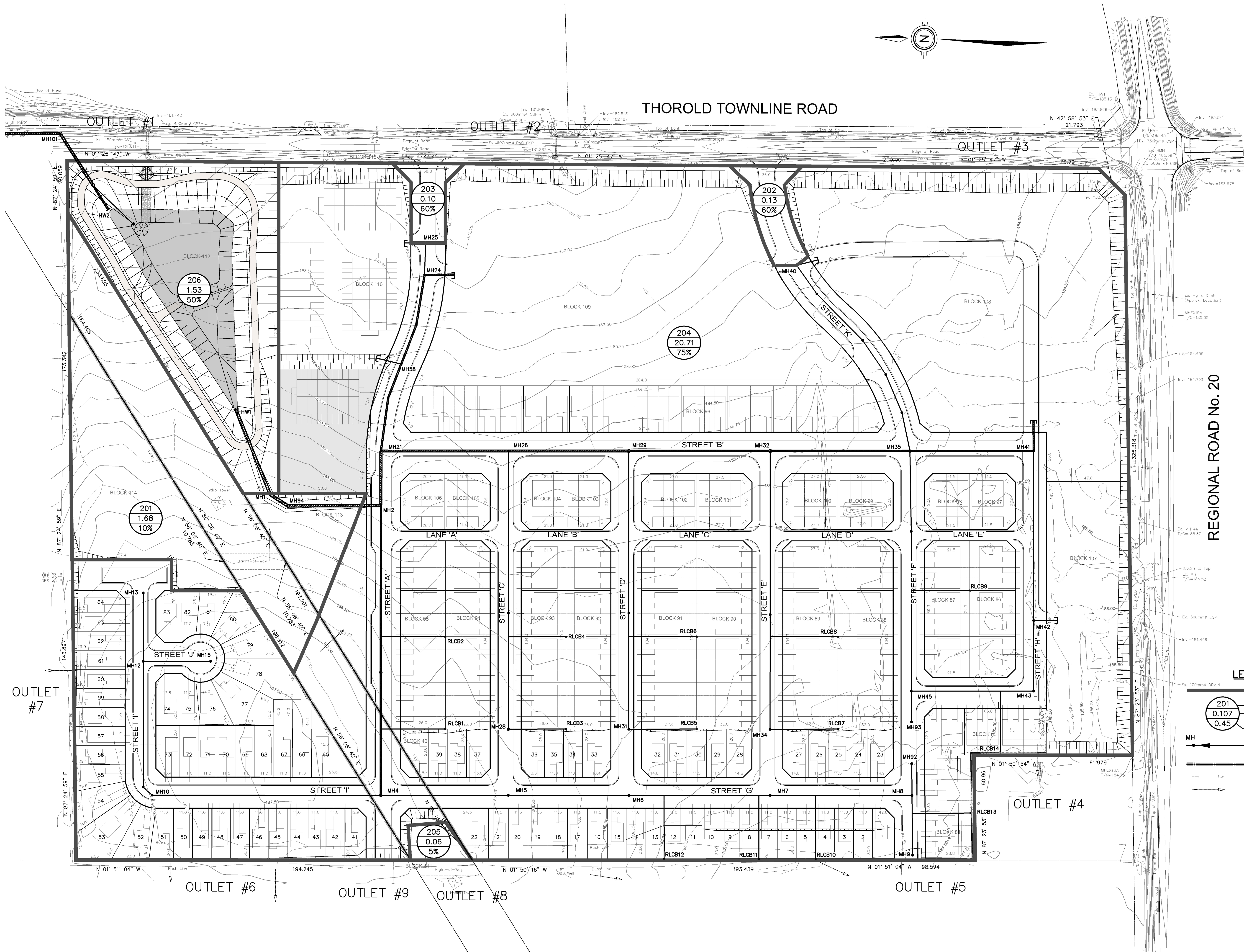
MTE
Engineers, Scientists, Surveyors
905-639-2552

LICENSED PROFESSIONAL ENGINEER
2024-11-26
R. MELICK
49428-100
PROVINCE OF ONTARIO
NOT FOR CONSTRUCTION

CLIENT
RUDANCO HOSPITALITY CORPORATION
4728 DORCHESTER RD. NIAGARA FALLS, ON
PROJECT
PROPOSED PLAN OF SUBDIVISION 13030 LUNDY'S LANE
HIGHWAY 20 & THOROLD TOWNLINE RD. THOROLD, ON
DRAWING

PRELIMINARY PRE-DEVELOPMENT STORM DRAINAGE AREA PLAN

Project Manager	R. MELICK	Project No.	49428-100
Design By	CKM	Checked By	RSM
Drawn By	CKM	Checked By	RSM
Surveyed By	OTHERS	Drawing No.	P-ST1
Date	Apr. 27/23	Scale	1:1000
Scale	1:1000	Sheet	of



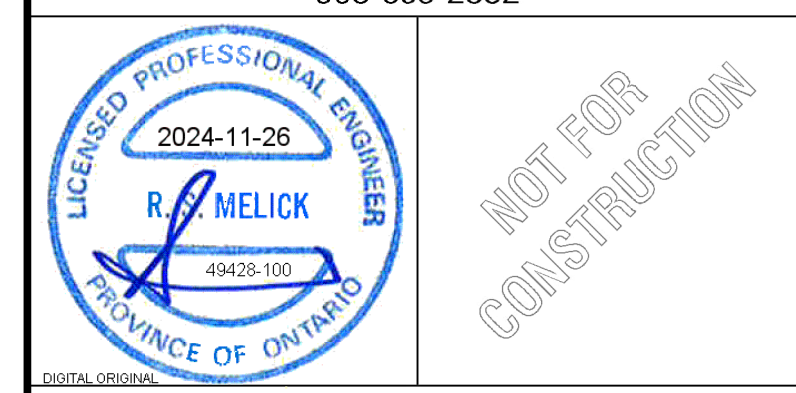
GEODETIC BM	ELEV. =	Nam
SITE BENCHMARK	ELEV. =	Nam

NOTE TO CONTRACTOR :
DO NOT SCALE DRAWINGS.
CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION.
THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

8.		
7.		
6.		
5.		
4.		
3.		
2.	SECOND SUBMISSION FOR DRAFT PLAN APPROVAL	RSM 2024-11-26
1.	ISSUED FOR DRAFT PLAN APPROVAL	RSM 2023-12-13
No.	REVISION	BY YYYY-MM-DD

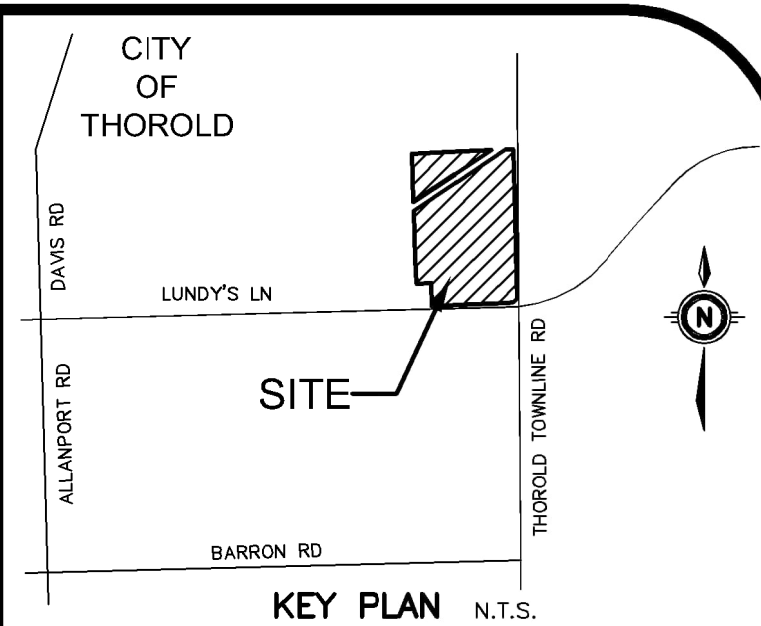
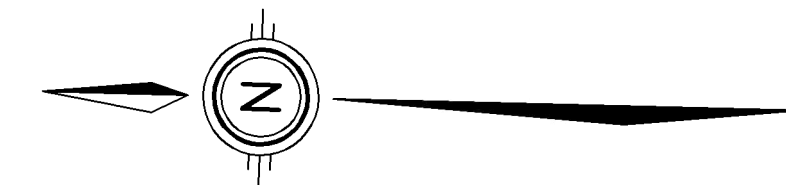
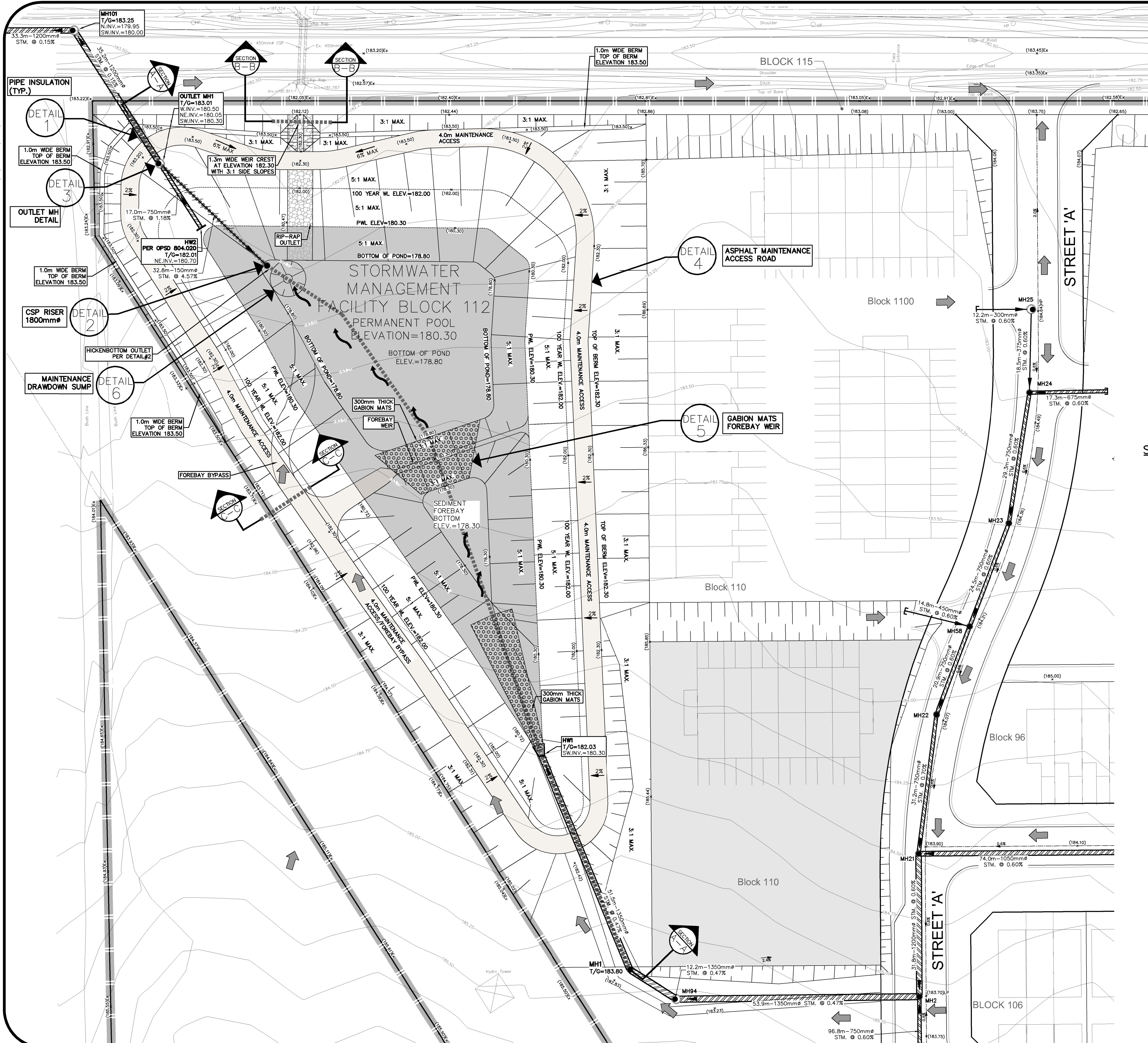


905-639-2552



RUDANCO HOSPITALITY CORPORATION
4728 DORCHESTER RD. NAGARA FALLS, ON
PROJECT
PROPOSED PLAN OF SUBDIVISION 13030 LUNDY'S LANE
HIGHWAY 20 & THOROLD TOWNLINE RD. THOROLD, ON
DRAWING
PRELIMINARY POST-DEVELOPMENT STORMWATER MANAGEMENT DRAINAGE AREA PLAN

Project Manager	R. MELICK	Project No.	49428-100
Design By	CKM	Checked By	RSM
Drawn By	CKM	Checked By	RSM
Surveyed By	OTHERS	Drawing No.	P-ST2
Date	Apr. 27/23	Scale	1:1000
Sheet		of	



GEODETIC BM ELEV. = NAm

SITE BENCHMARK ELEV. = NAm

NOTE TO CONTRACTOR :

DO NOT SCALE DRAWINGS.
CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION.

THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

SWM POND FACILITIES GENERAL LEGEND:

LEGEND OF EXISTING FEATURES

- SITE BOUNDARY
- EXISTING CONTOURS
- EXISTING FENCE
- EXISTING DRIPLINE
- EXISTING DIRECTION OF DRAINAGE/SWALE
- WETLAND LIMIT

LEGEND OF PROPOSED FEATURES

- FINISHED GRADE CONTOURS
- PROPOSED SPOT ELEVATIONS
EX = MAINTAIN EXISTING
T/G = TOP OF CASTING/GRATE
INV = INVERT ELEVATION
FFE = FINISHED FLOOR ELEVATION
- DIRECTION OF DRAINAGE/SWALE
- DRAINAGE SPLIT (RIDGE)
- CONCRETE CURB
- EMBANKMENT (SLOPE AS NOTED)
- STORM SEWER
- SUBDRAIN
- SHALLOW PIPE INSULATION (SEE DETAIL)
- PERMANENT POOL
- PROPOSED ASPHALT TRAIL
- OVERLAND FLOW ROUTE (MAJOR STORM)
- OVERLAND FLOW ROUTE (SWM FACILITY)
- DETAILS FOR SWM FACILITY ON DRAWINGS "DETAILS AND NOTES PLAN"
- 300mm THICK GABION MAT AS PER OPSS 1430 OVER GEOTEXTILE FILTER FABRIC (TERRAFIX 400R OR APPROVED EQUIVALENT). GABION MATS TO BE FILLED WITH RIP-RAP AS PER OPSS.MUNI 1004.05.05.02 (g10-100mm-200mm) TYPICAL
- 500mm DEPTH OF CLASS 1 (300mm NOMINAL) RIP-RAP OVER GEOTEXTILE FILTER FABRIC (TERRAFIX 360R OR APPROVED EQUIVALENT) - TYPICAL (SEE RIP-RAP SPECIFICATIONS ON THIS DRAWING)



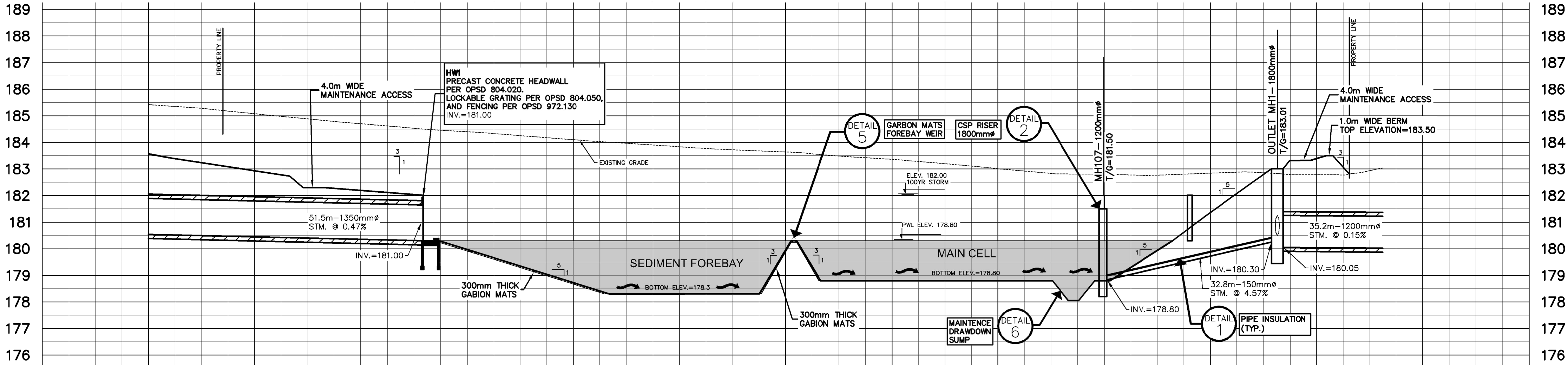
905-639-2552



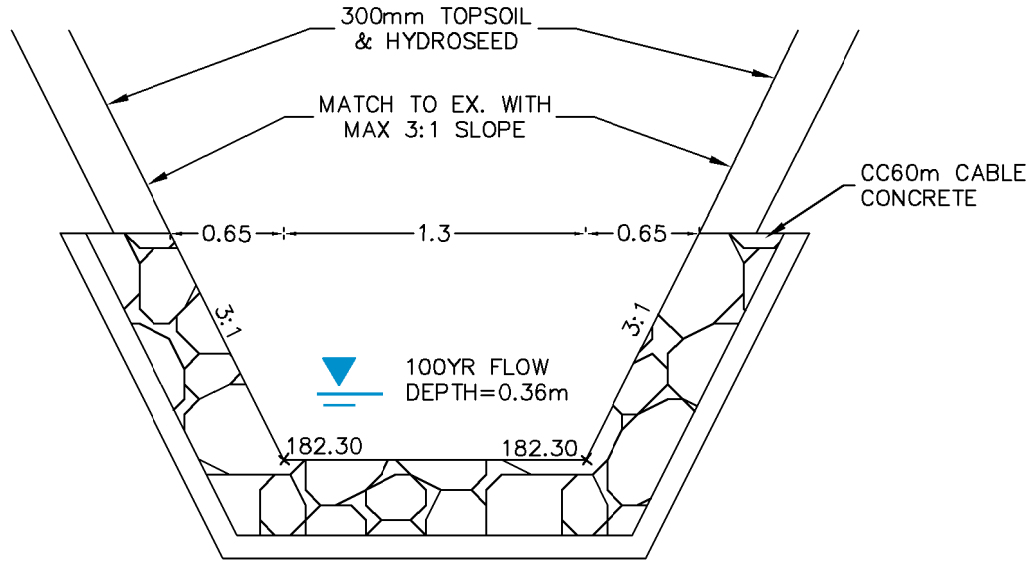
CLIENT
RUDANCO HOSPITALITY CORPORATION
4728 DORCHESTER RD NIAGARA FALLS, ON
PROJECT
PROPOSED PLAN OF SUBDIVISION
13030 LUNDY'S LANE
HIGHWAY 20 & THOROLD TOWNLINE RD THOROLD, ON
DRAWING

PRELIMINARY SWM FACILITY PLAN

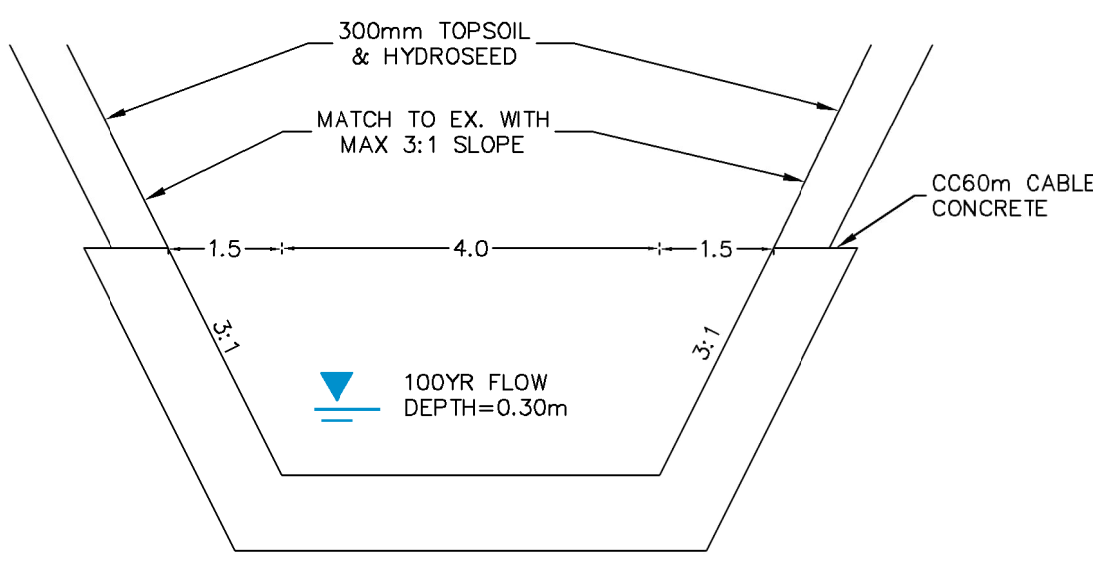
Project Manager	R. MELICK	Project No.	49428-100
Design By	CNF	Checked By	RSM
Drawn By	CKM	Checked By	RSM
Surveyed By	OTHERS	Drawing No.	P-SW1.1
Date	Nov.06/23	Scale	1:400
Sheet	of		



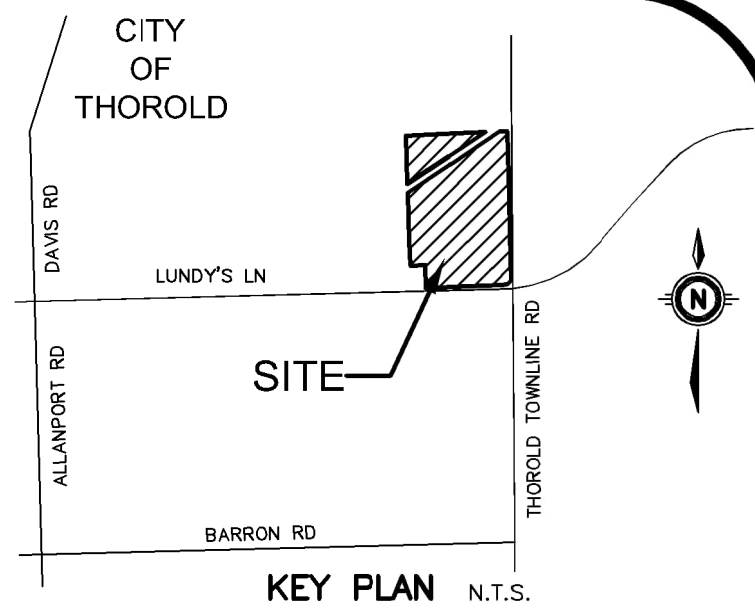
SWM FACILITY - SECTION A-A
SCALE 1:500 HOR, 1:100 VERT



EMERGENCY SPILLWAY - SECTION B-B
N.T.S.



FOREBAY BYPASS - SECTION C-C
N.T.S.



GEODETIC BM ELEV. = NAm

SITE BENCHMARK ELEV. = NAm

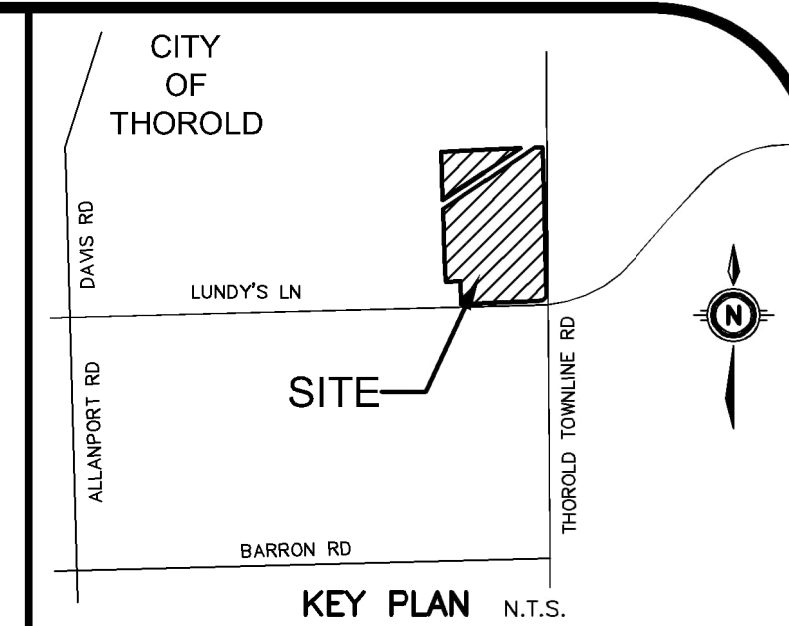
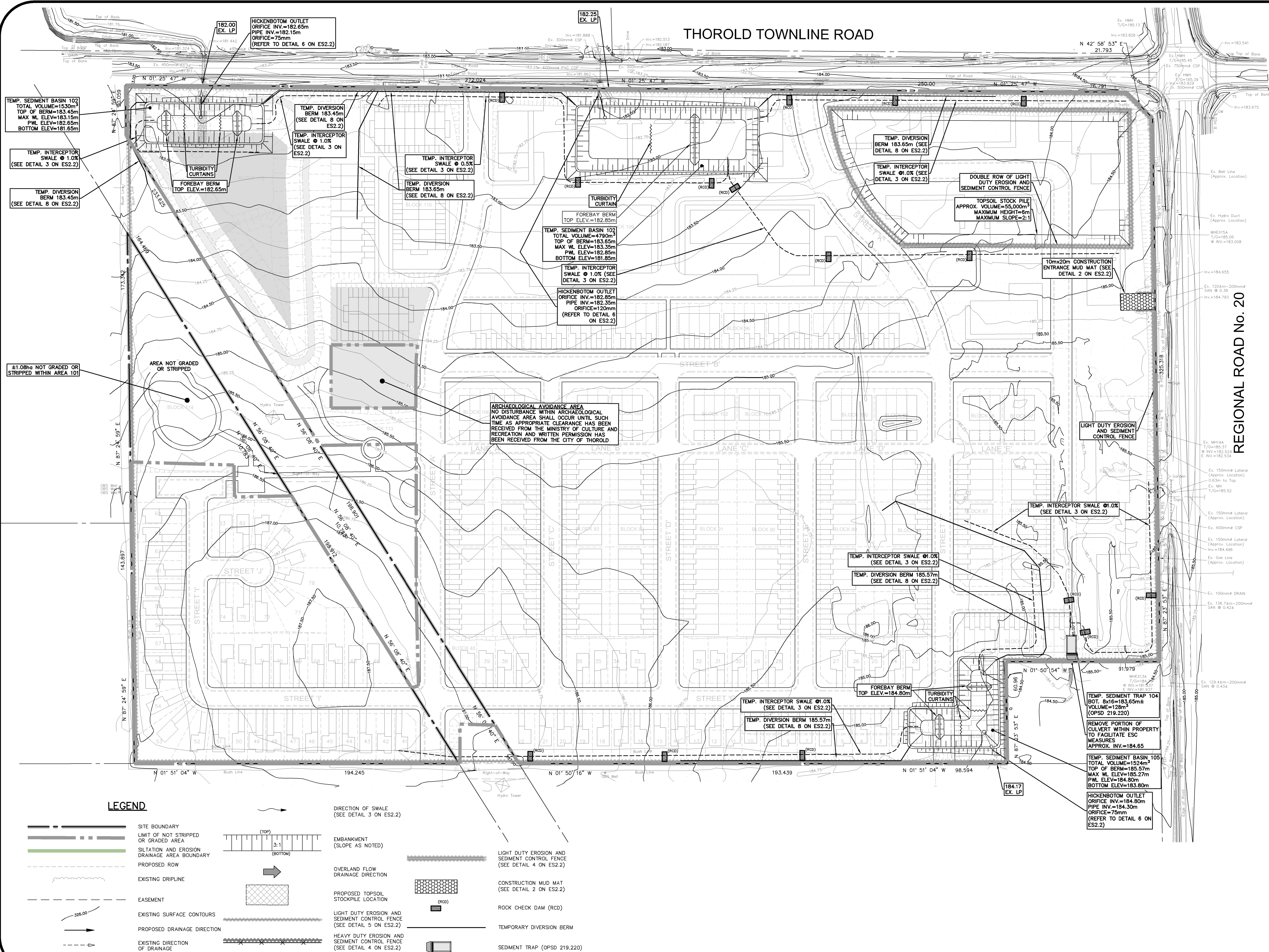
NOTE TO CONTRACTOR :
DO NOT SCALE DRAWINGS.
CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION.
THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

8.		
7.		
6.		
5.		
4.		
3.		
2.	SECOND SUBMISSION FOR DRAFT PLAN APPROVAL	RSM 2024-11-26
1.	ISSUED FOR DRAFT PLAN APPROVAL	RSM 2023-12-13
No.	REVISION	BY YYYY-MM-DD



CLIENT
**RUDANCO
HOSPITALITY CORPORATION**
4728 DORCHESTER RD NIAGARA FALLS, ON
PROJECT
**PROPOSED PLAN OF SUBDIVISION
13030 LUNDY'S LANE**
HIGHWAY 20 & THOROLD TOWNLIN RD THOROLD, ON
DRAWING

PRELIMINARY SWM FACILITY SECTIONS	
Project Manager R. MELICK	Project No. 49428-100
Design By CNF	Checked By RSM
Drawn By CKM	Checked By RSM
Surveyed By OTHERS	Drawing No.
Date Nov.06/23	P-SW1.2
Scale 1:400	Sheet of



GEODETIC BM ELEV. = NAm

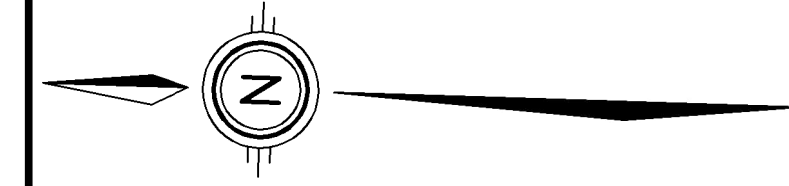
SITE BENCHMARK ELEV. = NAm

NOTE TO CONTRACTOR :
DO NOT SCALE DRAWINGS.

CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION.

THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

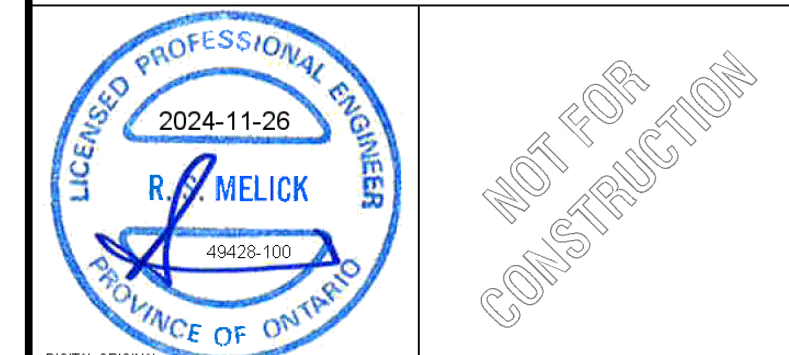


8.		
7.		
6.		
5.		
4.		
3.		
2.	SECOND SUBMISSION FOR DRAFT PLAN APPROVAL	RSM 2024-11-26
1.	ISSUED FOR DRAFT PLAN APPROVAL	RSM 2023-12-13
No.	REVISION	BY YYYY-MM-DD



Engineers, Scientists, Surveyors

905-639-2552



DIGITAL ORIGINAL

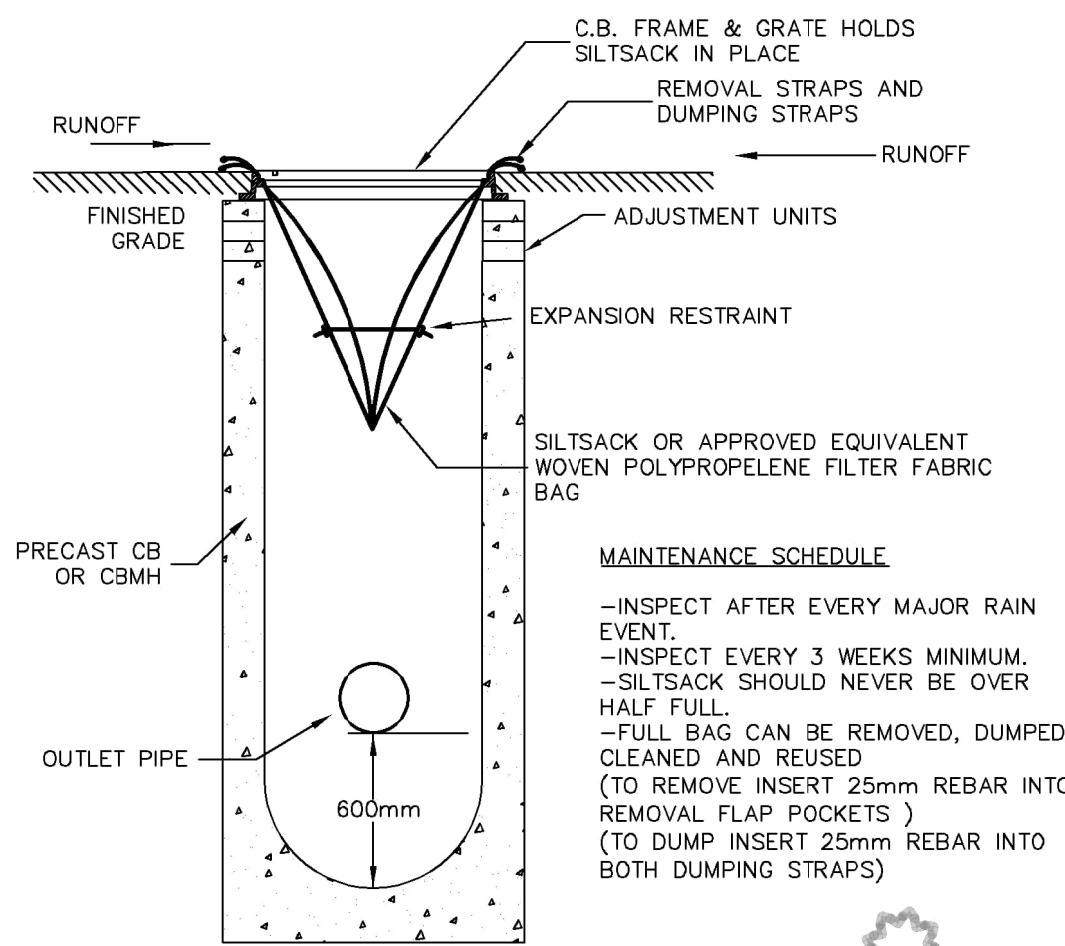
CLIENT

RUDANCO HOSPITALITY CORPORATION
4728 DORCHESTER RD NAGARA FALLS, ON

PROJECT
PROPOSED PLAN OF SUBDIVISION
13030 LUNDY'S LANE
HIGHWAY 20 & THOROLD TOWNLINE RD THOROLD, ON

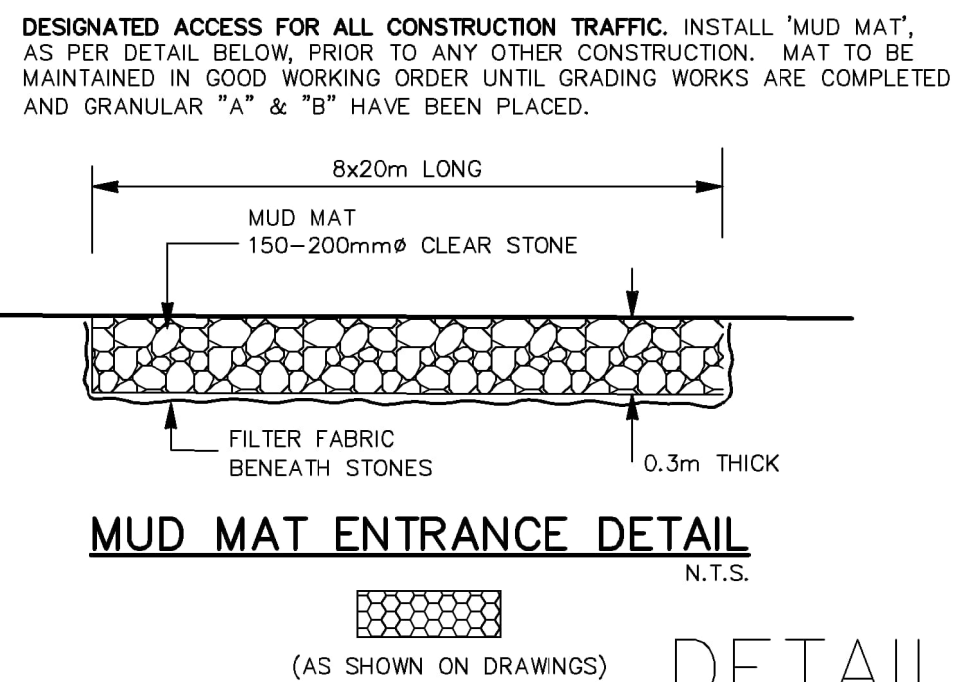
DRAWING
EROSION AND SEDIMENT CONTROL PLAN
PRE-GRADING

Project Manager	R.MELICK	Project No.	49428-100
Design By	CNF	Checked By	RSM
Drawn By	CKM	Checked By	RSM
Surveyed By	OTHERS	Drawing No.	P-ES2.1
Date	Nov.03/23	Scale	1:1000
Scale	1:1000	Sheet	of

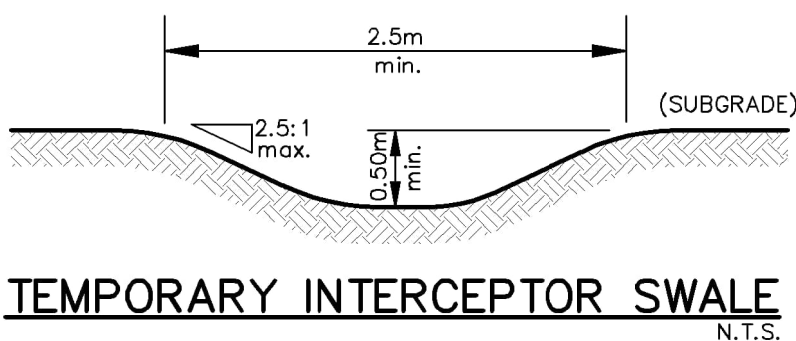


**TEMPORARY SILTSACK
SILTATION CONTROL IN CB**
N.T.S.

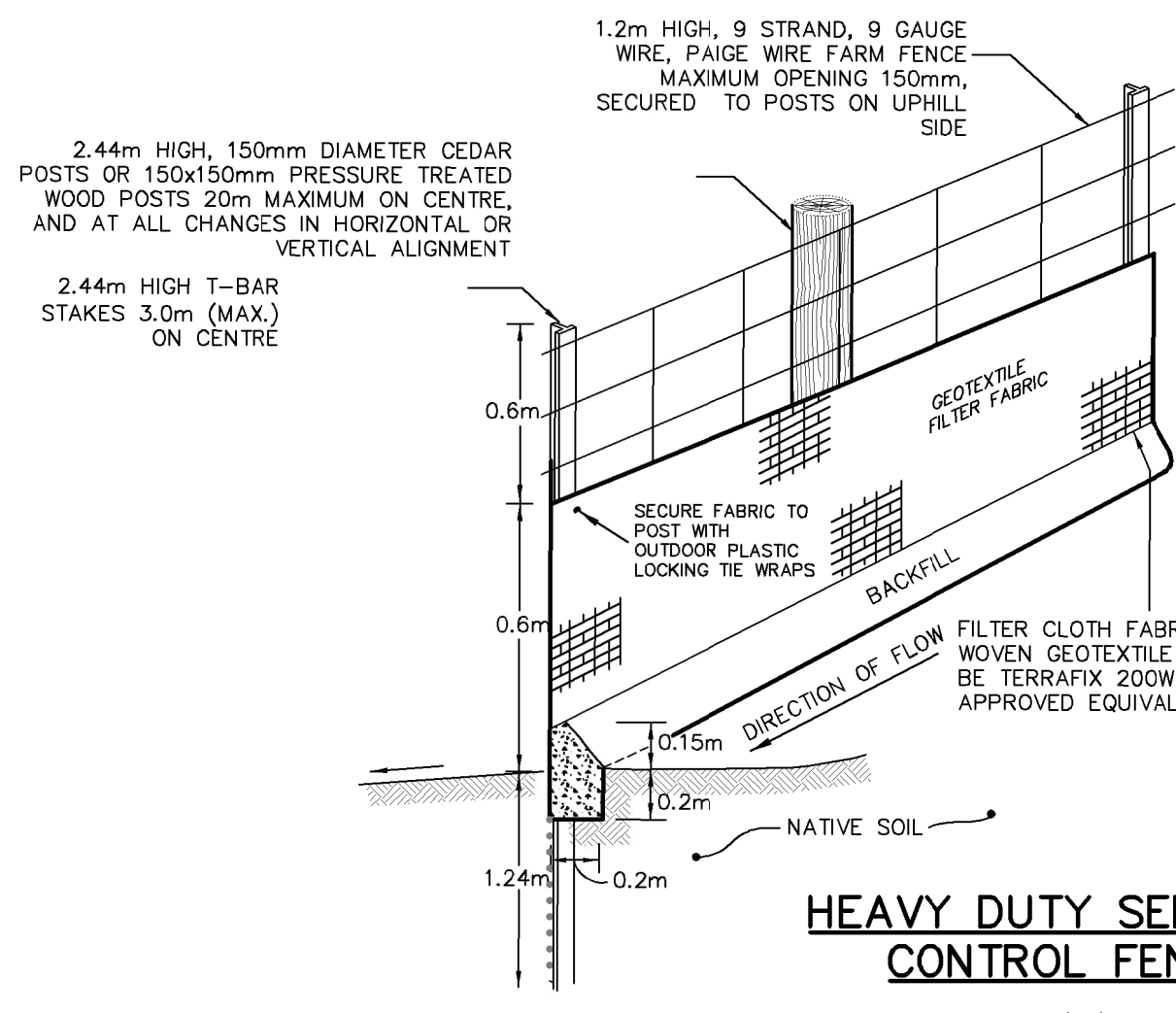
(AS SHOWN ON DRAWINGS)
DETAIL 1



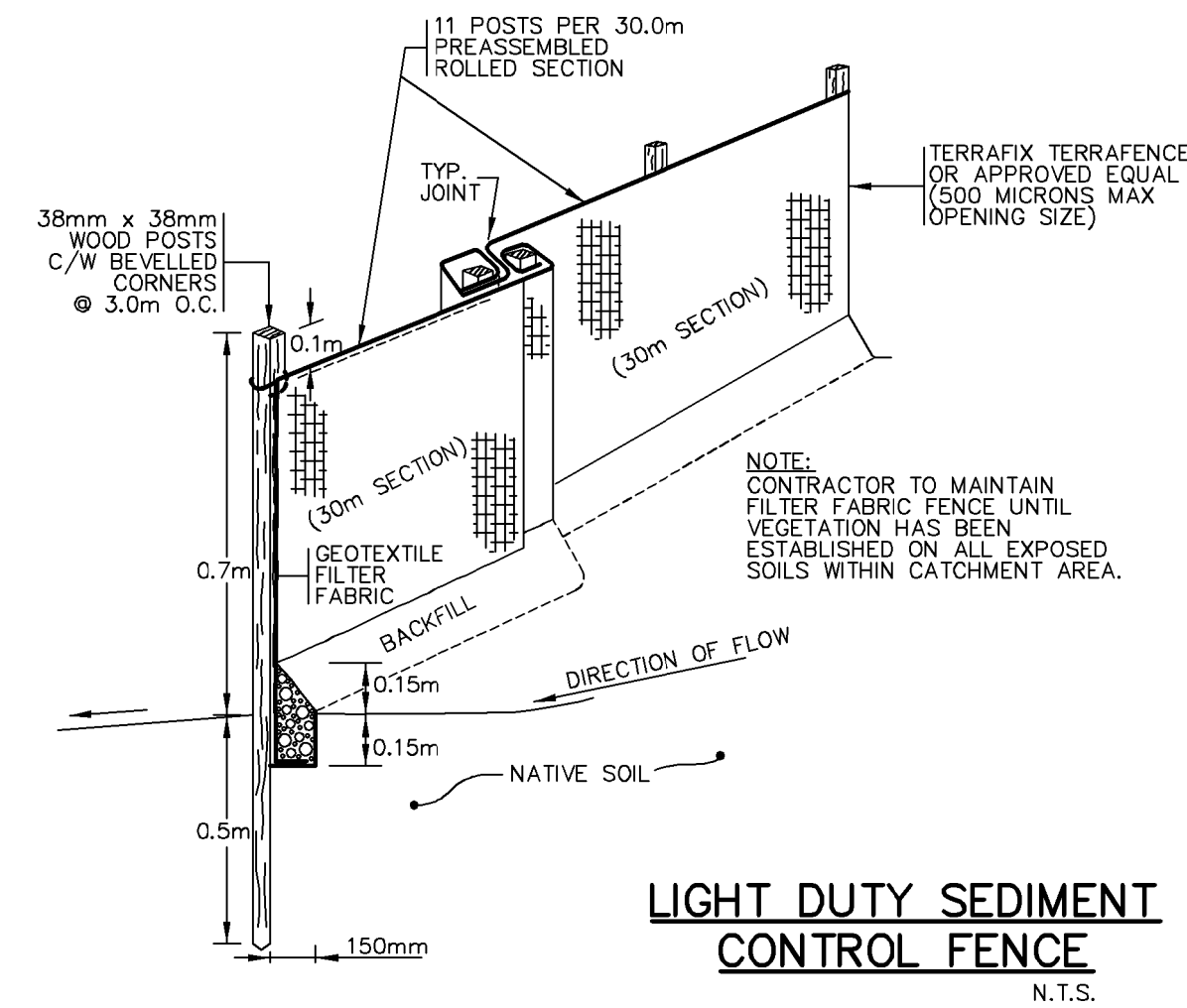
MUD MAT ENTRANCE DETAIL
N.T.S.
DETAIL 2



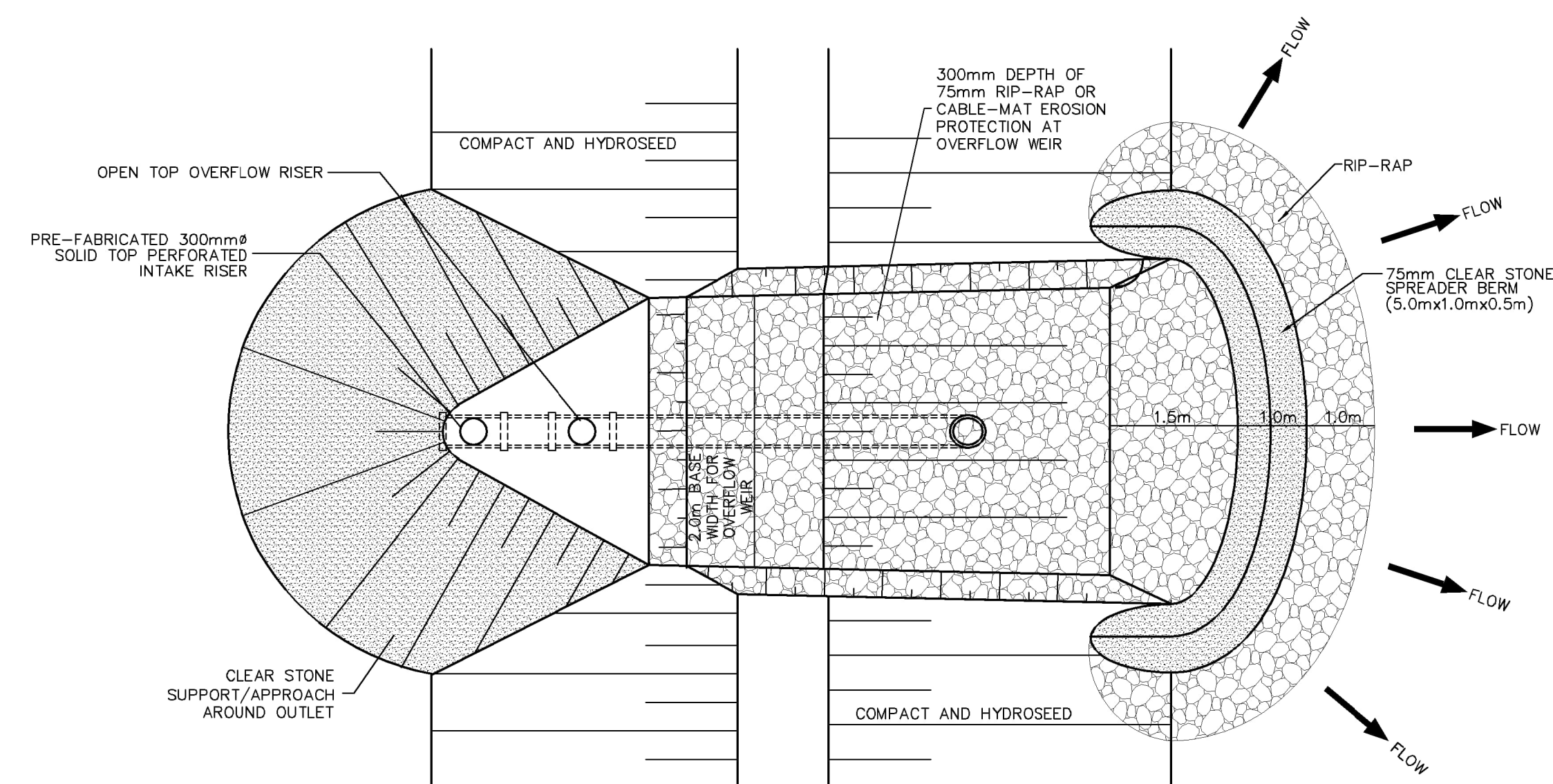
TEMPORARY INTERCEPTOR SWALE
N.T.S.
(AS SHOWN ON DRAWINGS)
DETAIL 3



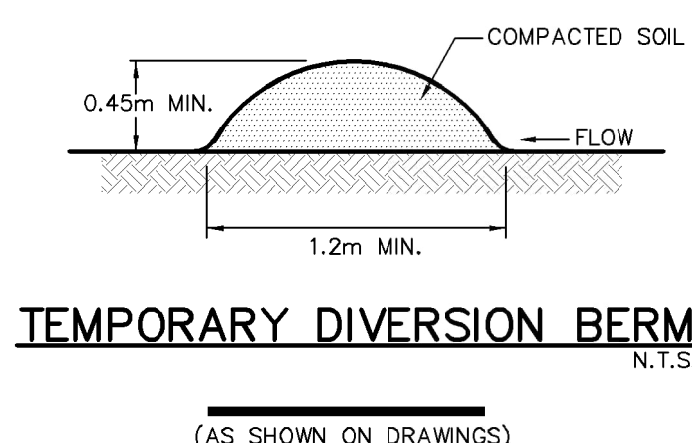
**HEAVY DUTY SEDIMENT
CONTROL FENCE**
N.T.S.
(AS SHOWN ON DRAWINGS)
DETAIL 4



**LIGHT DUTY SEDIMENT
CONTROL FENCE**
N.T.S.
(AS SHOWN ON DRAWINGS)
DETAIL 5



(PER OPSD 219.210)
(AS SHOWN ON DRAWINGS)
**ROCK CHECK SILTATION
DAM DETAIL**
N.T.S.
DETAIL 7

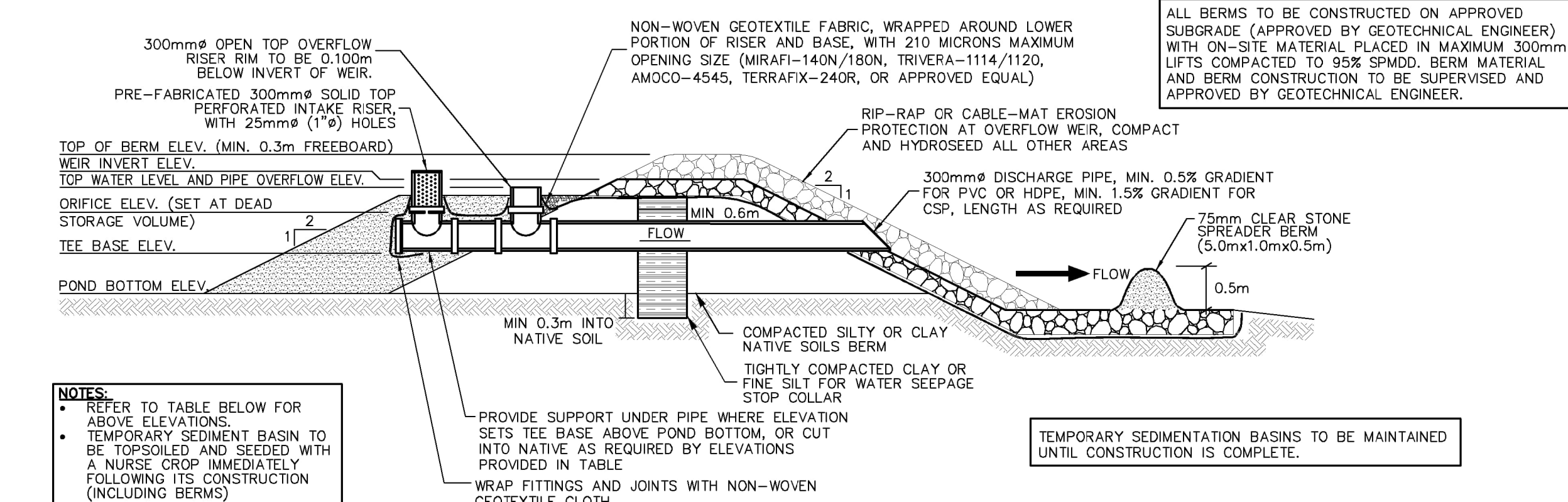


TEMPORARY DIVERSION BERM
N.T.S.
(AS SHOWN ON DRAWINGS)
DETAIL 8

RIP-RAP SPECIFICATIONS

CLASS I
NOMINAL 300mm Ø OR 36kg WEIGHT GRADING SPECIFICATIONS:
100% SMALLER THAN 450mm OR 136kg
AT LEAST 20% LARGER THAN 350mm OR 68kg
AT LEAST 50% LARGER THAN 300mm OR 36kg
AT LEAST 80% LARGER THAN 200mm OR 11kg

- NOTE:
- CONSTRUCT BARRIER FROM BOTTOM UP BY PLACING AND COMPACTING SUBSEQUENT LIFTS OF LOW PERMEABILITY SOILS.
 - THE DEGREE OF COMPACTION WILL HAVE TO BE ASSESSED BY A GEOTECHNICAL ENGINEER.



- NOTES:
- REFER TO TABLE BELOW FOR ABOVE ELEVATIONS.
 - TEMPORARY SEDIMENT BASIN TO BE TOPSOILED AND SEEDED WITH A NURSE CROP IMMEDIATELY FOLLOWING ITS CONSTRUCTION (INCLUDING BERMS)

TEMPORARY SEDIMENT BASIN AND BERM OUTLET DETAIL
N.T.S.
DETAIL 6

EROSION & SEDIMENT CONTROL										13030 Lundy's Lane						Date: November 01, 2023			
SEDIMENT BASIN SIZING & CONSTRUCTION INFORMATION										City of Thorold, Ontario						Project Number: 49428-100			
														Design By: cnf, rsm					
ID Tag	Basin Area	Sediment Basin Design Volume			Bottom Area	Bottom of Basin	Bottom Elevation	Tee Base Elevation	Orifice Plate		Top Water Level & Overflow Pipe		Weir Invert	Top Berm Elevation	Orifice Diameter	Maximum Orifice Flow	Live Storage Drawdown Time	Error Report	
		Dead	Live	Total					Elevation	Dead Volume	Elevation	Total Volume						Dead Volume	Total Volume
	ha	m ³	m ³	m ³	m ²	flat/sloped	m	m	m	m ³	m	m ³	m	m	mm	m ³ /s	hrs		
101	2.07	383 (2)	259	642	570	flat	181.65	182.15	182.65	670	183.15	1,530	183.25	183.45	75	0.0087	48.4	OK	OK
102	14.73	2725 (2)	1,841	4,566	2423	flat	181.85	182.35	182.85	2926	183.35	4,790	183.45	183.65	120	0.0223	50.0	OK	OK
105	3.55	444 (1)	444	888	544	flat	183.80	184.30	184.80	869	185.27	1,524	185.37	185.57	75	0.0085	48.7	OK	OK

(1) Dead Storage is based upon minimum 125m³ volume per ha drainage area; Live Storage is based upon minimum 125m³ volume per ha drainage area.
(2) Dead Storage is based upon minimum 185m³ volume per ha drainage area; Live Storage is based upon minimum 125m³ volume per ha drainage area.

GENERAL NOTES :

- EROSION AND SEDIMENTATION FACILITIES TO BE INSTALLED PRIOR TO ANY AREA GRADING OPERATIONS.
- SITE INSPECTIONS OF THE EROSION CONTROL MEASURES BY THE DEVELOPER'S CONSULTANT ARE TO BE CONDUCTED WEEKLY OR AFTER ANY STORM EVENT GREATER THAN 15mm. INSPECTIONS MUST INCLUDE AN ASSESSMENT OF THE PROPOSED FACILITIES/CONTROLS AND RECOMMENDED CORRECTIVE MEASURES (IF REQUIRED). REPORTS ARE TO BE SUBMITTED MONTHLY TO THE NIAGARA PENINSULA CONSERVATION AUTHORITY AND CITY OF THOROLD.
- ALL EROSION CONTROL MEASURES (INCLUDING SILT FENCE, TEMPORARY SEDIMENT BASINS, INTERCEPTOR SWALES AND STORM STRUCTURE CONTROL MEASURES) ARE TO BE MONITORED BY THE DEVELOPER'S CONSULTANT AND REPAIRS COMMISSIONED AS REQUIRED.
- THE MEASURES AS PROPOSED MAY BE MODIFIED AT THE DISCRETION OF THE ENGINEER TO SUIT THE PROPOSED CONSTRUCTION PROGRAMS. THE GENERAL INTENT OF THE PROPOSED EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES.
- UPON COMPLETION OF THE GRADING OPERATION ALL DISTURBED AREAS SHALL BE RESTORED WITH MULCH AND TREFOIL MIX SEED PER OPS--804 UNLESS FINAL CONSTRUCTION IS SCHEDULED TO COMMENCE WITHIN 1 MONTH OF THE GRADING OPERATION.
- CONTRACTOR AND DEVELOPER'S CONSULTANT TO REVIEW SITE PRIOR TO CONSTRUCTION TO DETERMINE THE NEED FOR MODIFICATIONS TO THIS SCHEDULE. CONTRACTOR IS NOT TO REMOVE ANY EROSION OR SEDIMENT CONTROL FACILITIES UNTIL DIRECTED TO DO SO BY THE ENGINEER.

SCHEDULE FOR CONSTRUCTION OF EROSION CONTROL MEASURES :

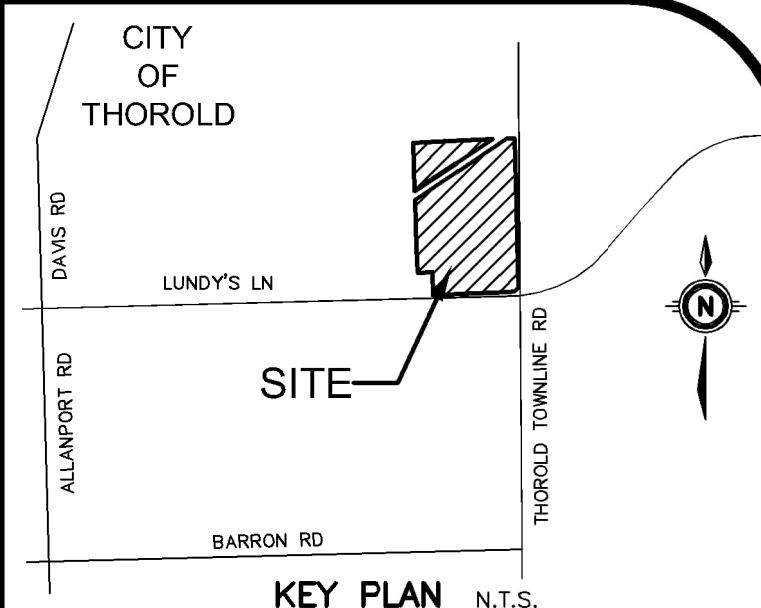
- INSTALL SEDIMENT FENCE AS ILLUSTRATED. CONSTRUCT SEDIMENT BASINS c/w OUTLET STRUCTURES. INSTALL CONSTRUCTION ACCESS.
- INSTALL "NO DUMPING OR REMOVAL OF TREES" SIGNS.
- CONSTRUCT TEMPORARY INTERCEPTOR SWALES c/w ROCK CHECK DAMS WHERE GRADES PERMIT.
- ROUGH GRADE SUBDIVISION AS FOLLOWS:
 - GRADE AREAS DIRECTING DRAINAGE TO TEMPORARY SEDIMENT BASIN 101, 102, AND 105, AND TO SEDIMENT TRAP 104.
 - SEDIMENT BASINS TO REMAIN IN PLACE UNTIL VEGETATIVE COVER IS ESTABLISHED.
- ESTABLISH VEGETATIVE COVER TO ALL GRADED AREAS.
- REMOVE/DECOMMISSION ALL EROSION CONTROL MEASURES ONCE VEGETATIVE COVERS IS ESTABLISHED. FINE GRADE AND ESTABLISH VEGETATIVE COVER ON REMAINING AFFECTED LOTS WHERE DISTURBED BY REMOVAL/DECOMMISSIONING OF SAID MEASURES.
- AS SERVICING OF EACH PHASE IS COMPLETED, CATCHBASINS OR OTHER POTENTIAL INLET TO THE STORM SEWER SYSTEM SHALL BE PROTECTED WITH SILTSACKS, SILT FENCE, OR STRAW BALE FILTERS (OR COMBINATION THERE OF) AS DIRECTED BY THE ENGINEER TO PREVENT ENTRY OF SEDIMENT TO THE STORM SEWER SYSTEM.

MAINTENANCE RECOMMENDATIONS :

- EROSION CONTROL STRUCTURES TO BE MONITORED REGULARLY AND ANY DAMAGE REPAIRED IMMEDIATELY.
- SEDIMENTS TO BE REMOVED WHEN ACCUMULATIONS REACH A MAXIMUM OF 1/3 THE HEIGHT OF THE FABRIC ON THE LIGHT DUTY TYPE FENCE AND 2/3 THE HEIGHT OF THE FABRIC ON THE HEAVY DUTY FENCE TYPE.
- OWNER'S REPRESENTATIVE TO MONITOR EROSION CONTROL STRUCTURES TO ENSURE FENCING IS INSTALLED AND MAINTENANCE IS PERFORMED TO CITY OF THOROLD REQUIREMENTS.

EROSION AND SEDIMENT CONTROL STRATEGY :

- ALL MATERIALS AND EQUIPMENT USED FOR THE PURPOSE OF SITE PREPARATION AND PROJECT COMPLETION SHOULD BE OPERATED AND STORED IN A MANNER THAT PREVENTS ANY DELETERIOUS SUBSTANCE (E.G. PETROLEUM PRODUCTS, SILT, DEBRIS, ETC) FROM REACHING GROUND SURFACE OR ENTERING GROUNDWATER.
- ANY STOCKPILED MATERIALS SHOULD BE STORED AND STABILIZED AWAY FROM THE SEDIMENT BASINS.
- VEHICLE AND EQUIPMENT REFUELLING AND MAINTENANCE SHOULD BE CONDUCTED AWAY FROM THE SEDIMENT BASINS.
- ANY PART OF EQUIPMENT ENTERING OPEN WATER OR GROUNDWATER SHOULD BE FREE OF FLUID LEAKS AND EXTERNALLY CLEANED/DEGREASED TO PREVENT ANY DELETERIOUS SUBSTANCES FROM ENTERING THE WATER OR GROUNDWATER.



GEODETIC BM ELEV. = NAm

SITE BENCHMARK ELEV. = NAm

NOTE TO CONTRACTOR :

DO NOT SCALE DRAWINGS.
CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION.
THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

8.		
7.		
6.		
5.		
4.		
3.		
2.	SECOND SUBMISSION FOR DRAFT PLAN APPROVAL	RSM 2024-11-28
1.	ISSUED FOR DRAFT PLAN APPROVAL	RSM 2023-12-13
NO. R E V I S I O N		BY YYYY-MM-DD



Engineers, Scientists, Surveyors

905-639-2552



CLIENT

RUDANCO
HOSPITALITY CORPORATION
4728 DORCHESTER RD NIAGARA FALLS, ON

PROJECT
PROPOSED PLAN OF SUBDIVISION
13030 LUNDY'S LANE
HIGHWAY 20 & THOROLD TOWNLINE RD THOROLD, ON
DRAWING

EROSION AND SEDIMENT
CONTROL PLAN
NOTES AND DETAILS

Project Manager	R.MELICK	Project No.	49428-100
Design By	CNF	Checked By	RSM
Drawn By	CKM	Checked By	RSM
Surveyed By	OTHERS	Drawing No.	
Date	Nov.03/23	P-ES2.2	
Scale	N.T.S.	Sheet	of