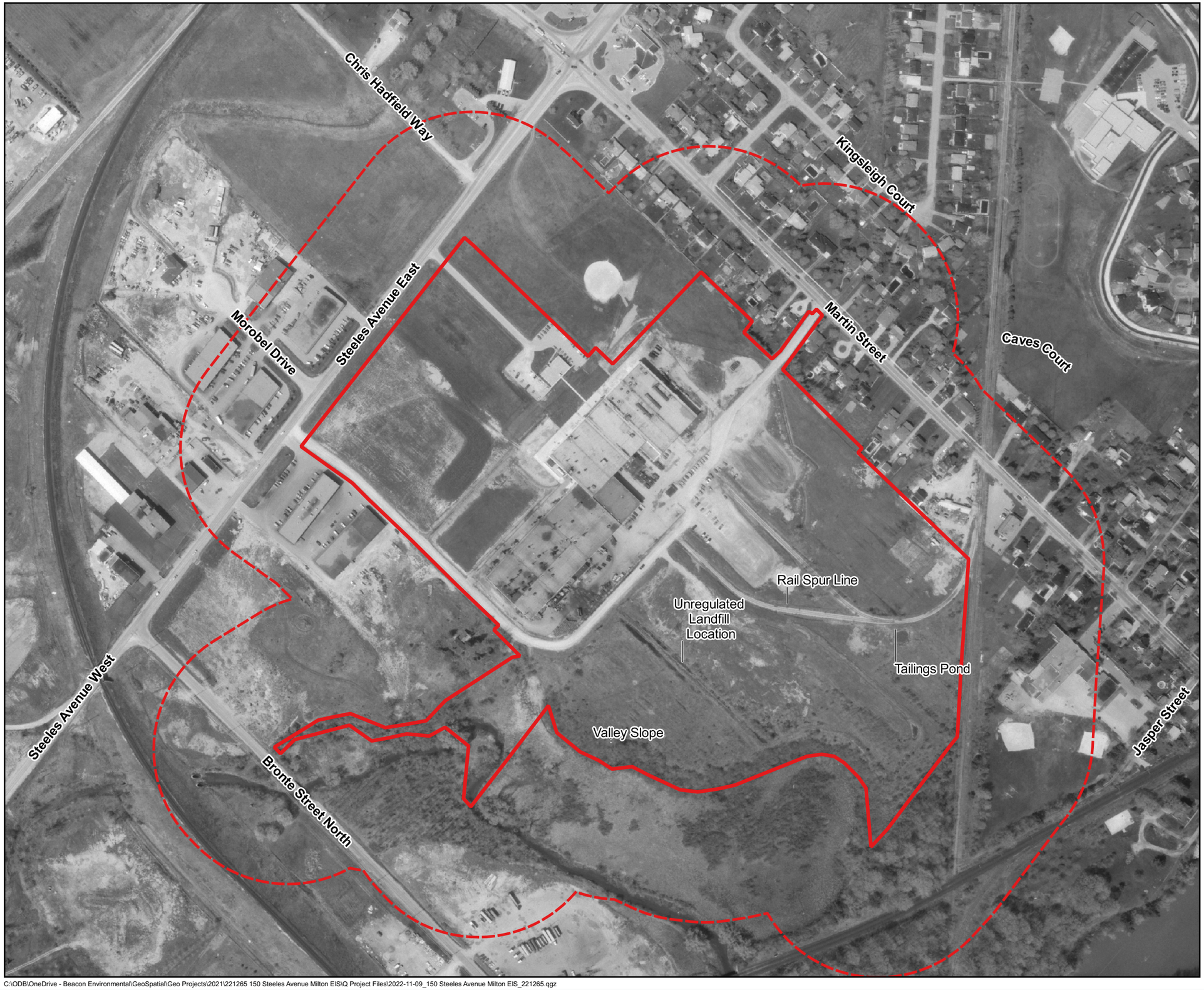
Appendix F

Historic Aerial Photographs (1984-1994)



Historic Condition 1984

Appendix F
Figure 1

150 Steeles Avenue Milton CEMS

Legend

- Subject Property
- Study Area

BEACON ENVIRONMENTAL

Project: 221265
Last Revised: February 2023

Client: 150 Steeles Milton Inc.

Prepared by: SZ
Checked by: KU

DRAFT

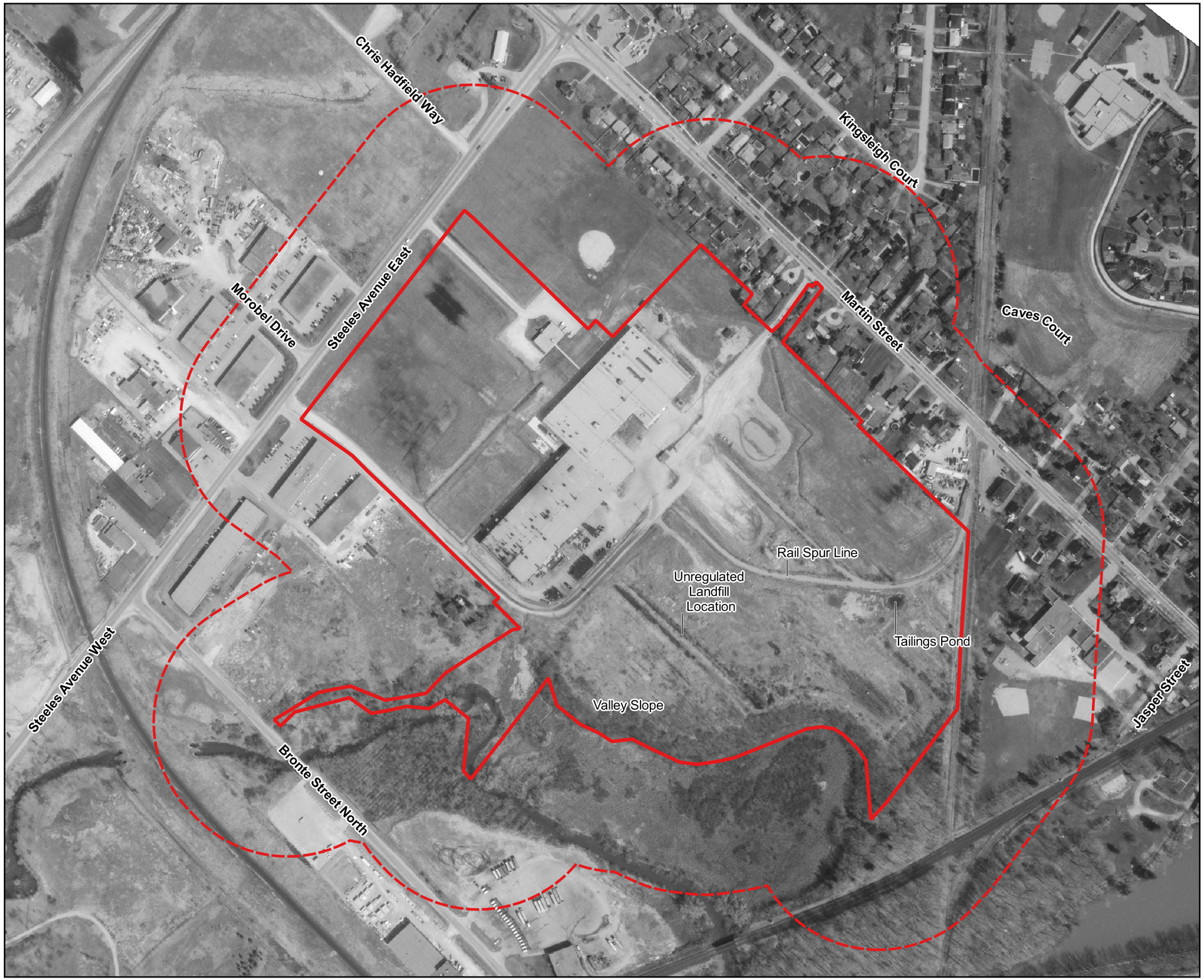
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1:3,500

0 70 140 m

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C:\ODB\OneDrive - Beacon Environmental\GeoSpatial\Geo Projects\2021\221265 150 Steeles Avenue Milton EIS\Q Project Files\2022-11-09_150 Steeles Avenue Milton EIS_221265.qgz



Historic Condition 1987

Appendix F Figure 2

150 Steeles Avenue Milton CEMS

Legend

- Subject Property
- Study Area

BEACON ENVIRONMENTAL

Project: 221265
Last Revised: February 2023

Client: 150 Steeles Milton Inc.

Prepared by: SZ
Checked by: KU

DRAFT

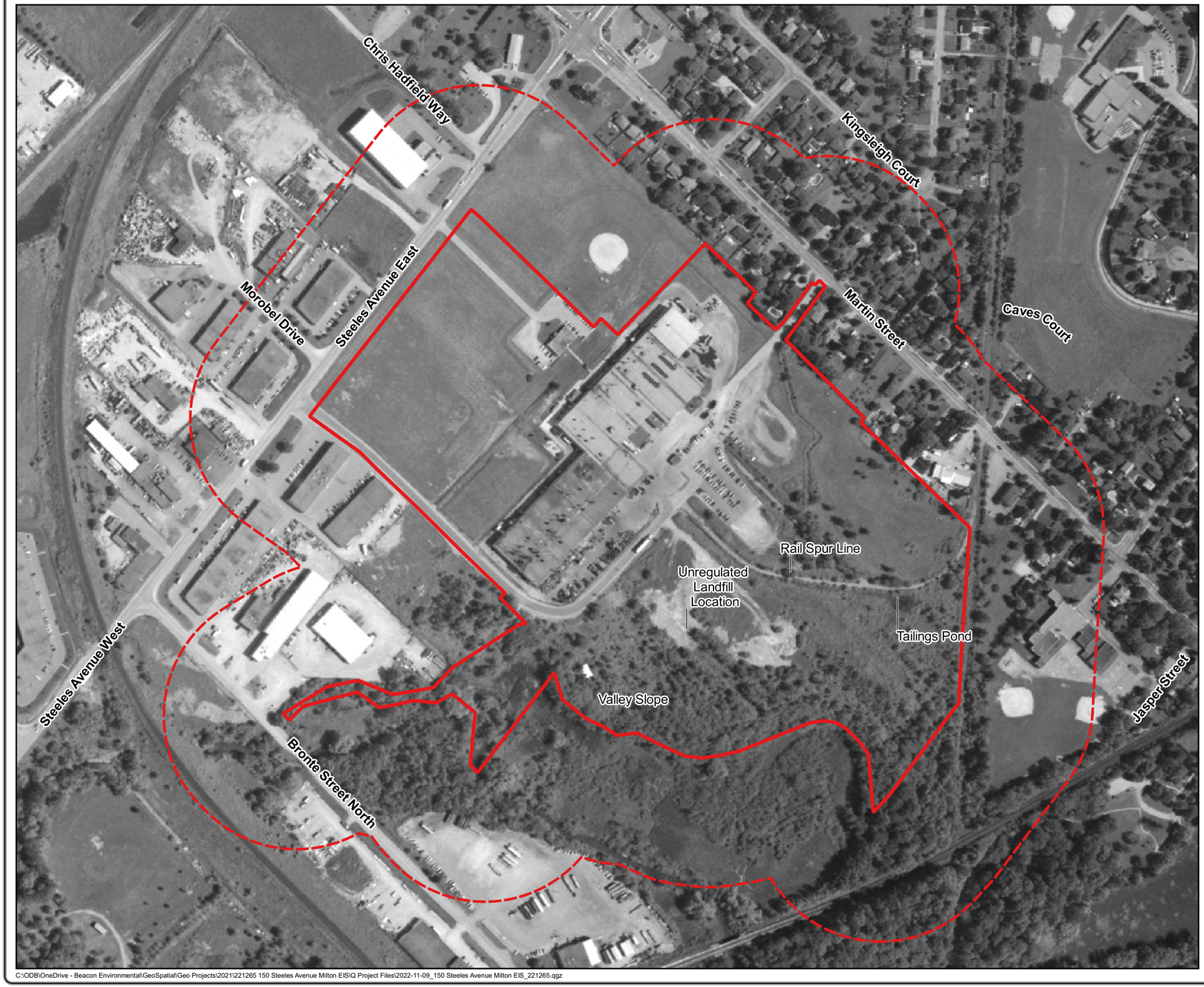
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Historic Condition 1994

Appendix F
Figure 3

150 Steeles Avenue Milton CEMS

Legend

- Subject Property
- Study Area

BEACON ENVIRONMENTAL

Project: 221265
Last Revised: February 2023

Client: 150 Steeles Milton Inc.

Prepared by: SZ
Checked by: KU

DRAFT

N

1:3,500

0 70 140 m

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APPENDIX B
Stormwater Calculations

Urbantech® Consulting, A Division of Leighton-Zec Ltd. | 3760 14th Avenue, Suite 301 · Markham · ON · L3R 3T7 | 905.946.9461
urbantech.com

STORM SEWER DESIGN SHEET

5 Year Storm + CONST. FLOWS (PIPE SIZING)

150 STEELES AVENUE

Town of Milton

PROJECT DETAILS

Project No: 21-678

Date: 1-Mar-25
Last Updated: 21-Apr-26
Designed by: M.H.
Checked by: S.R.

DESIGN CRITERIA

Minimum Diameter =	300	mm	Rainfall Intensity =	A
Mannings 'n'=	0.013			(Tc+B)^c
Starting Tc =	10	min	A =	959
			B =	5.7
Factor of Safety =	20	%	c =	0.8024

NOMINAL PIPE SIZE USED

STREET	FROM MANHOLE	TO MANHOLE	AREA (A) (ha)	RUNOFF COEFFICIENT (R)	'A*R'	ACCUM. 'A*R'	RAINFALL INTENSITY (mm/hr)	FLOW (Q5) (m3/s)	CONSTANT FLOW (Q100-Q5) (m3/s)	ACCUM. CONSTANT FLOW (Q100-Q5) (m3/s)	TOTAL FLOW (Q TOTAL) (m3/s)	LENGTH (m)	SLOPE (%)	PIPE DIAMETER (mm)	FULL FLOW CAPACITY (m3/s)	FULL FLOW VELOCITY (m/s)	INITIAL TIME OF CONC. (Tc) (min)	TIME OF CONCENTRATION (Tc) (min)	ACCUMULATED TIME OF CONCENTRATION (Tc) (min)	PERCENT FULL (%)
BLOCK 18	CTRL MH0	MH2	0.16	0.60	0.10	0.10	105.3	0.028	0.002	0.002	0.030	19.0	0.50	300	0.068	0.97	10.00	0.33	10.33	44%
BLOCCK 15	CTRL MH1	MH2	0.48	0.90	0.43	0.43	105.3	0.126			0.126	12.0	0.50	450	0.202	1.27	10.00	0.16	10.16	63%
STREET A	MH2	MH3	0.62	0.95	0.59	1.12	103.5	0.321		0.002	0.323	58.0	0.50	600	0.434	1.54	10.33	0.63	10.96	74%
BLOCK 19	CTRL MH4	MH3	0.22	0.90	0.20	0.20	105.3	0.058	0.015	0.015	0.073	15.0	0.50	375	0.124	1.12	10.00	0.22	10.22	59%
STREET A	MH3	MH5				1.32	100.4	0.367		0.017	0.384	22.0	0.50	675	0.594	1.66	10.96	0.22	11.18	65%
STREET A	MH5	MH6				1.32	99.3	0.363		0.017	0.380	59.0	0.50	675	0.594	1.66	11.18	0.59	11.77	64%
BLOCK 16	CTRL MH7	MH8	0.70	0.90	0.63	0.63	105.3	0.184			0.184	8.0	0.50	525	0.304	1.40	10.00	0.09	10.09	61%
STREET C	MH8	MH6	0.24	0.95	0.23	0.86	104.7	0.250			0.250	48.0	0.50	525	0.304	1.40	10.09	0.57	10.66	82%
BLOCK 20	CTRL MH9	MH6	0.94	0.90	0.85	0.85	105.3	0.247	0.022	0.022	0.269	15.0	0.50	600	0.434	1.54	10.00	0.16	10.16	62%
STREET A	MH6	MH10	0.38	0.95	0.36	3.38	96.6	0.907		0.039	0.946	81.0	0.50	900	1.280	2.01	11.77	0.67	12.44	74%
BLOCK 21	CTRL MH11	MH10	1.38	0.90	1.24	1.24	105.3	0.363			0.363	15.0	0.50	675	0.594	1.66	10.00	0.15	10.15	61%
BLOCK 13	CTRL MH12	MH10	0.41	0.90	0.37	0.37	105.3	0.108			0.108	11.0	0.50	450	0.202	1.27	10.00	0.14	10.14	54%
STREET A	MH10	MH13				4.99	93.7	1.299		0.039	1.338	32.0	0.50	975	1.585	2.12	12.44	0.25	12.69	84%
BLOCK 12	CTRL MH14	MH13	0.09	0.60	0.05	0.05	105.3	0.016			0.016	12.0	0.50	300	0.068	0.97	10.00	0.21	10.21	23%
STREET A	MH13	MH15				5.05	92.7	1.299		0.039	1.338	24.0	0.50	975	1.585	2.12	12.69	0.19	12.88	84%
STREET B	MH16	MH17	0.29	0.95	0.28	0.28	105.3	0.081			0.081	56.0	0.50	375	0.124	1.12	10.00	0.83	10.83	65%
BLOCK 14	CTRL MH18	MH17	0.52	0.90	0.47	0.47	105.3	0.137			0.137	16.0	0.50	450	0.202	1.27	10.00	0.21	10.21	68%
STREET B	MH17	MH19	0.39	0.95	0.37	1.11	101.0	0.312			0.312	60.0	0.50	600	0.434	1.54	10.83	0.65	11.48	72%
BLOCK 17	CTRL MH20	MH19	0.24	0.90	0.22	0.22	105.3	0.063			0.063	16.0	0.50	375	0.124	1.12	10.00	0.24	10.24	51%
EX. COMMERCIAL	CTRL MH21	MH19	2.56	0.90	2.30	2.30	105.3	0.674			0.674	9.0	0.50	825	1.015	1.90	10.00	0.08	10.08	66%
STREET B	MH19	MH22				3.63	97.9	0.988			0.988	62.0	0.50	900	1.280	2.01	11.48	0.51	12.00	77%
STREET B	MH22	MH23	0.15	0.95	0.14	3.78	95.6	1.003			1.003	39.0	0.50	900	1.280	2.01	12.00	0.32	12.32	78%
STREET B	MH23	MH15				3.78	94.2	0.989			0.989	24.0	0.50	900	1.280	2.01	12.32	0.20	12.52	77%
STREET A	MH15	MH24	0.13	0.95	0.12	8.95	91.9	2.285		0.039	2.324	18.0	0.30	900x1800 (BOX)	3.059	1.89	12.88	0.16	13.04	76%
STREET A	MH24	MH25	0.14	0.95	0.13	9.08	91.3	2.303		0.039	2.342	29.0	0.30	900x1800 (BOX)	3.059	1.89	13.04	0.26	13.30	77%

STORM SEWER DESIGN SHEET

5 Year Storm + CONST. FLOWS (PIPE SIZING)

150 STEELES AVENUE

Town of Milton

PROJECT DETAILS

Project No: 21-678

Date: 1-Mar-25
Last Updated: 21-Apr-26
Designed by: M.H.
Checked by: S.R.

DESIGN CRITERIA

Minimum Diameter =	300	mm	Rainfall Intensity =	A / (Tc+B)^c
Mannings 'n'=	0.013			
Starting Tc =	10	min	A =	959
			B =	5.7
Factor of Safety =	20	%	c =	0.8024

NOMINAL PIPE SIZE USED

STREET	FROM MANHOLE	TO MANHOLE	AREA (A) (ha)	RUNOFF COEFFICIENT (R)	'A*R'	ACCUM. 'A*R'	RAINFALL INTENSITY (mm/hr)	FLOW (Q5) (m3/s)	CONSTANT FLOW (Q100-Q5) (m3/s)	ACCUM. CONSTANT FLOW (Q100-Q5) (m3/s)	TOTAL FLOW (Q TOTAL) (m3/s)	LENGTH (m)	SLOPE (%)	PIPE DIAMETER (mm)	FULL FLOW CAPACITY (m3/s)	FULL FLOW VELOCITY (m/s)	INITIAL TIME OF CONC. (Tc) (min)	TIME OF CONCENTRATION (Tc) (min)	ACCUMULATED TIME OF CONCENTRATION (Tc) (min)	PERCENT FULL (%)
STREET A	MH26	MH27	0.19	0.95	0.18	0.18	105.3	0.053	0.035	0.035	0.088	64.0	0.30	450	0.156	0.98	10.00	1.09	11.09	56%
STREET A	MH27	MH28	0.32	0.95	0.30	0.48	99.8	0.134		0.035	0.169	47.0	0.30	525	0.236	1.09	11.09	0.72	11.81	72%
BLOCK 02	CTRL MH29	MH28	0.72	0.75	0.54	0.54	105.3	0.158			0.158	11.0	0.50	525	0.304	1.40	10.00	0.13	10.13	52%
STREET A	MH28	MH25				1.02	96.4	0.274		0.035	0.309	47.0	0.30	675	0.460	1.29	11.81	0.61	12.42	67%
BLOCK 01	CTRL MH30	MH25	0.45	0.90	0.41	0.41	105.3	0.118			0.118	11.0	0.50	450	0.202	1.27	10.00	0.14	10.14	59%
STREET E	MH25	MH31	0.35	0.95	0.33	10.84	90.3	2.720		0.074	2.794	74.0	0.25	1200x1800 (BOX)	4.204	1.95	13.30	0.63	13.93	66%
BLOCK 03	CTRL MH32	MH31	0.41	0.90	0.37	0.37	105.3	0.108			0.108	9.0	0.50	450	0.202	1.27	10.00	0.12	10.12	54%
STREET E	MH31	MH33				11.21	88.0	2.739		0.074	2.813	32.0	0.25	1200x1800 (BOX)	4.204	1.95	13.93	0.27	14.20	67%
BLOCK 05	CTRL MH34	MH33	0.51	0.90	0.46	0.46	105.3	0.134			0.134	9.0	0.50	450	0.202	1.27	10.00	0.12	10.12	67%
STREET E	MH33	MH36				11.67	87.0	2.820		0.074	2.894	41.0	0.25	1200x1800 (BOX)	4.204	1.95	14.20	0.35	14.55	69%
STREET E	MH36	MH37				11.67	85.8	2.781		0.074	2.855	35.0	0.25	1200x1800 (BOX)	4.204	1.95	14.55	0.30	14.85	68%
BLOCK 22	CTRL MH38	MH39	1.04	0.40	0.42	0.42	105.3	0.122			0.122	11.0	0.50	450	0.202	1.27	10.00	0.14	10.14	60%
STREET D	MH39	MH40	0.48	0.95	0.46	0.87	104.5	0.253			0.253	15.0	0.50	525	0.304	1.40	10.14	0.18	10.32	83%
	MH40	MH37				0.87	103.5	0.251			0.251	94.0	0.50	525	0.304	1.40	10.32	1.12	11.44	82%
BLOCK 06	CTRL MH41	MH37	0.49	0.90	0.44	0.44	105.3	0.129			0.129	13.0	0.50	450	0.202	1.27	10.00	0.17	10.17	64%
STREET D	MH37	MH42	0.25	0.95	0.24	13.22	84.8	3.113		0.074	3.187	27.0	0.25	1200x1800 (BOX)	4.204	1.95	14.85	0.23	15.08	76%
STREET D	MH42	MH43				13.22	84.0	3.086		0.074	3.160	23.0	0.25	1200x1800 (BOX)	4.204	1.95	15.08	0.20	15.28	75%
STREET D	MH43	MH44				13.22	83.4	3.062		0.074	3.136	54.0	0.25	1200x1800 (BOX)	4.204	1.95	15.28	0.46	15.74	75%
BLOCK 08 (FUT. RESIDENTIAL)	CTRL MH45	MH46	0.13	0.75	0.10	0.10	105.3	0.029			0.029	13.0	0.50	300	0.068	0.97	10.00	0.22	10.22	42%
STREET D	MH46	MH47	0.21	0.95	0.20	0.30	104.1	0.086	0.064	0.064	0.150	55.0	0.25	525	0.215	0.99	10.22	0.92	11.15	70%
BLOCK0 04	CTRL MH35	MH47	1.54	0.75	1.16	1.16	105.3	0.338	0.100	0.100	0.438	7.0	0.50	675	0.594	1.66	10.00	0.07	10.07	74%
STREET D	MH47	MH44	0.06	0.95	0.06	1.51	99.5	0.417		0.164	0.581	56.0	0.25	825	0.718	1.34	11.15	0.70	11.84	81%
BLOCK 07 (SWM POND)	MH44	HW1				14.73	82.0	3.353		0.238	3.591	18.0	0.25	1200x1800 (BOX)	4.204	1.95	15.74	0.15	15.90	85%

PROJECT DETAILS

Title1:	**STORM SEWER DESIGN SHEET**
Title2:	**Constant Flow Calculations**
Project Name:	**150 STEELES AVENUE**
Municipality:	**Town of Milton**
Project No:	**21-678**
Date:	**1-Mar-25**
Designed by:	**M.H.**
Checked by:	**S.R.**

IDF Parameters for Milton			
		5-yr	100-yr
$I=A/(T+b)^c$	A	959	1435
	B	5.7	5.2
	C	0.8024	0.7751

CAPTURE LOCATION	AREA ID	CAPTURE POINT (MH)	Area ha	R	AR	Flow Length m	Velocity m/s	Tc* min	I5 mm/hr	I100 mm/hr	Q5 m3/s	Q100 m3/s	Q100-Q5 m3/s	Const. flow m3/s
STREET 'A'	1	MH26	0.19	0.95	0.18	50.00	2.00	10.01	105.2	174.0	0.053	0.088	0.035	**0.035**
STREET 'D'	2	MH46	0.35	0.95	0.33	50.00	2.00	10.01	105.2	174.0	0.097	0.161	0.064	**0.064**
BLOCK 18 (PARK)	3	CTRL MH0	0.05	0.25	0.01	10.00	2.00	10.00	105.2	174.1	0.004	0.006	0.002	**0.002**
BLOCK 19	4	CTRL MH4	0.09	0.90	0.08	10.00	2.00	10.00	105.2	174.1	0.024	0.039	0.015	**0.015**
BLOCK 20	5	CTRL MH9	0.13	0.9	0.12	10.00	2.00	10.00	105.2	174.1	0.034	0.057	0.022	**0.022**
BLOCK 04	6	CTRL MH35	0.70	0.75	0.53	145.00	2.00	10.02	105.1	173.9	0.153	0.254	0.100	**0.100**

*Where available, Tc is calculated from design sheet or overland flow calculation

Tc calcs *where Tc = starting Tc + flow length/velocity*
(starting Tc = 10min)

Assumed Velocities for Calculation of time of Concentration
Pipe Flow Velocity= 2.0 m/s
OLF Velocity= 1.5 m/s
External Flow Velocity= 0.25 m/s

URBANTECH

SWM DESIGN CALCULATIONS - POND
Contributing Drainage Area and Land Use

Project Name: 150 Steeles Avenue East
Municipality: Town of Milton
Project No.: 21-678
Date: 27-Jan-26

Prepared by: J.P.O

POND

POND	From	To	Area [ha]	Runoff Coefficient	Imperviousness %IMP=100 X (C-0.2)/0.7	Design Requirement		
						Conveyance	Quantity	Quality
Subject Lands (Including Pond Block)			15.53	0.83	90.0	•	•	•
Honda Lands			2.56	0.90	100.0	•	•	•
Total Drainage Area (Quality Control Only)			**18.09**	**0.84**	91.4	**18.09**	**18.09**	**18.09**
Total Drainage Area (Quantity Control Only)			**18.09**	**0.84**	91.4	**18.09**	**18.09**	**18.09**
Total Drainage Area to Pond			**18.09**	**0.84**	91.4	**18.09**	**18.09**	**18.09**

VO SCHEMATIC - EXISTING



Name	Pre - CNII
Runoff AREA [ha]	15.570
Runoff Peak [m^3/s]	4.642

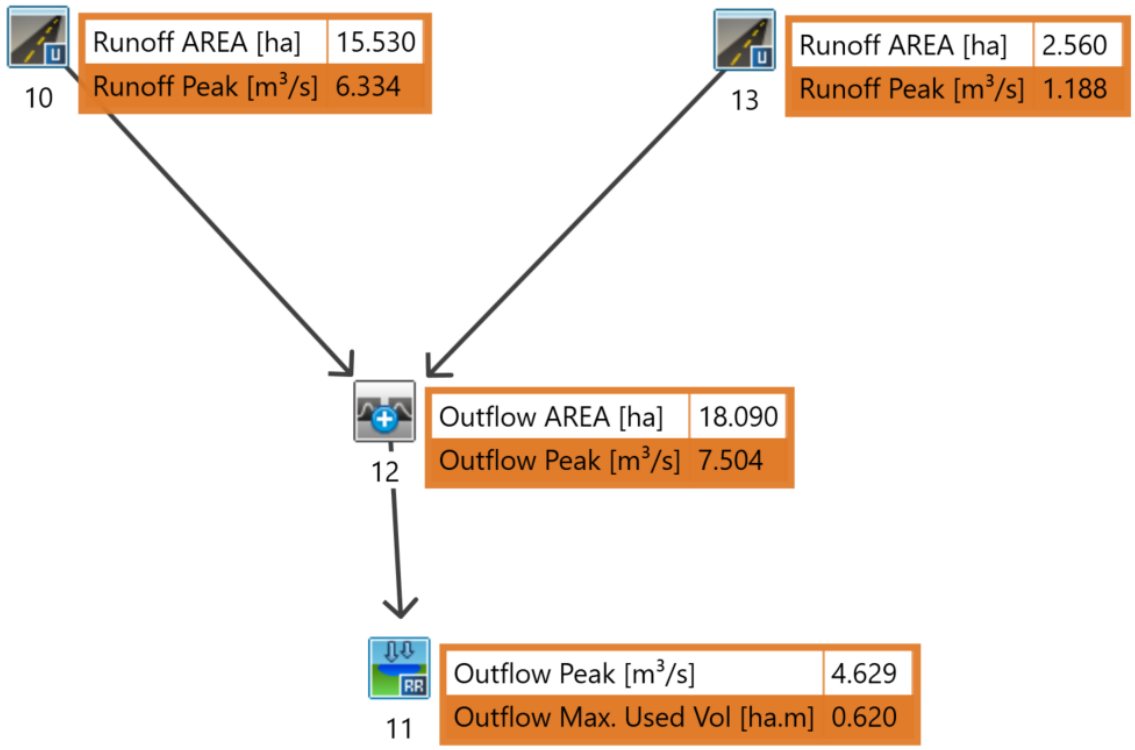
1



Name	Pre - CNIII
Runoff AREA [ha]	15.570
Runoff Peak [m^3/s]	5.154

2

VO SCHEMATIC - PROPOSED



URBANTECH

SWM POND DESIGN CALCULATIONS
Drawdown Time

Project Name: 150 Steeles Avenue East
Municipality: Town of Milton
Project No.: 21-678
Date: 27-Jan-26

Prepared by: J.P.O

Pond

Detention Time Calculations

$t = (0.66C_2h^{1.5}+2C_3h^{0.5})/2.75Ao$ *(MOECC Eq'n 4.11)*

t= 148983	*drawdown time in seconds*
t= 41	*drawdown time in hours*
d = 0.150	*diameter of orifice (m)*
A_0= 0.0177	*cross-sectional area of the orifice (m^2)*
h= 0.725	*maximum water elevation above orifice (m)*
$Q_{ext\ det}$ = 0.0400	*proposed extended detention release rate (m3/s)*
C_2= 1541.51	*slope coefficient from the area-depth linear regression*
C_3= 3883	*intercept from the area-depth linear regression*

Pond area-depth relationship for linear regression:

	Elevation (m)	Area (m^2)	Depth (m)
PERM POOL	201.70	3883	0.00
EXT DET	202.50	5116	0.80

The drawdown time for the Pond is 41.4 hours (1.7 days)

URBANTECH

SWM DESIGN CALCULATIONS
EMERGENCY SPILLWAY WEIR

Project Name: 150 Steeles Avenue East
Municipality: Town of Milton
Project No.: 21-678
Date: 2025-03-11

Prepared by: J.P.O

POND

Input Parameters:

Side Slope, S_1	12	:1
Side Slope, S_2	12	:1
Spillway Invert	204.70	m
Water Level	205.0	m
Flow Depth, H	0.3	m
Bottom Width, B:	30.0	m

Weir equation:	**$Q = BxC_dxH^{3/2} + SxC_dxH^{5/2}$**
	C_d = 1.5
where:	*Q=flow rate (m3/s)*
	H= head on the weir (m)
	B=width of the weir (m)
	S = side slopes of weir (H:V)

Computed Values:

Capacity, Q at 205m	**8.28**	m^3/s
Emergency Flow Required via Spillway	**7.63**	m^3/s

The proposed emergency spillway provides sufficient capacity.

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================================================================================
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       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  D E T A I L E D   O U T P U T *****


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DATE: 01-27-2026                          TIME: 01:43:14

USER:


COMMENTS: _____________________________________________________________


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  ************************************************
  ** SIMULATION : 1 - 25MM4HRC_10min Edited 201 **
  ************************************************


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| Ptotal= 25.00 mm |    Comments: 25MM4HRC_10min Edited 2012
--------------------
                TIME    RAIN |  TIME    RAIN |'  TIME    RAIN |  TIME    RAIN
                 hrs   mm/hr |   hrs   mm/hr |'   hrs   mm/hr |   hrs   mm/hr
               0.00    2.07 |  1.00    5.70 |  2.00    5.19 |  3.00    2.80
               0.17    2.27 |  1.17   10.78 |  2.17    4.47 |  3.17    2.62
               0.33    2.52 |  1.33   50.21 |  2.33    3.95 |  3.33    2.48
               0.50    2.88 |  1.50   13.37 |  2.50    3.56 |  3.50    2.35
               0.67    3.38 |  1.67    8.29 |  2.67    3.25 |  3.67    2.23
               0.83    4.18 |  1.83    6.30 |  2.83    3.01 |  3.83    2.14

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| CALIB            |
| STANDHYD (  0010)|   Area    (ha)=  15.53
|ID= 1 DT= 1.0 min |   Total Imp(%)=  90.00   Dir. Conn.(%)=  90.00
--------------------
                              IMPERVIOUS    PERVIOUS (i)
     Surface Area     (ha)=      13.98         1.55
     Dep. Storage     (mm)=       1.00         5.00
     Average Slope     (%)=       1.00         2.00
     Length            (m)=     321.77        40.00
     Mannings n            =      0.013        0.250

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


                              ---- TRANSFORMED HYETOGRAPH ----
                TIME    RAIN |  TIME    RAIN |'  TIME    RAIN |  TIME    RAIN
                 hrs   mm/hr |   hrs   mm/hr |'   hrs   mm/hr |   hrs   mm/hr
               0.017    2.07 | 1.017    5.70 | 2.017    5.19 |  3.02    2.80
               0.033    2.07 | 1.033    5.70 | 2.033    5.19 |  3.03    2.80
               0.050    2.07 | 1.050    5.70 | 2.050    5.19 |  3.05    2.80
               0.067    2.07 | 1.067    5.70 | 2.067    5.19 |  3.07    2.80
               0.083    2.07 | 1.083    5.70 | 2.083    5.19 |  3.08    2.80
               0.100    2.07 | 1.100    5.70 | 2.100    5.19 |  3.10    2.80
               0.117    2.07 | 1.117    5.70 | 2.117    5.19 |  3.12    2.80
               0.133    2.07 | 1.133    5.70 | 2.133    5.19 |  3.13    2.80
               0.150    2.07 | 1.150    5.70 | 2.150    5.19 |  3.15    2.80
               0.167    2.07 | 1.167    5.70 | 2.167    5.19 |  3.17    2.80
               0.183    2.27 | 1.183   10.78 | 2.183    4.47 |  3.18    2.62
               0.200    2.27 | 1.200   10.78 | 2.200    4.47 |  3.20    2.62
               0.217    2.27 | 1.217   10.78 | 2.217    4.47 |  3.22    2.62
               0.233    2.27 | 1.233   10.78 | 2.233    4.47 |  3.23    2.62
               0.250    2.27 | 1.250   10.78 | 2.250    4.47 |  3.25    2.62
               0.267    2.27 | 1.267   10.78 | 2.267    4.47 |  3.27    2.62
               0.283    2.27 | 1.283   10.78 | 2.283    4.47 |  3.28    2.62
               0.300    2.27 | 1.300   10.78 | 2.300    4.47 |  3.30    2.62
               0.317    2.27 | 1.317   10.78 | 2.317    4.47 |  3.32    2.62
               0.333    2.27 | 1.333   10.78 | 2.333    4.47 |  3.33    2.62
               0.350    2.52 | 1.350   50.21 | 2.350    3.95 |  3.35    2.48
               0.367    2.52 | 1.367   50.21 | 2.367    3.95 |  3.37    2.48
               0.383    2.52 | 1.383   50.21 | 2.383    3.95 |  3.38    2.48
               0.400    2.52 | 1.400   50.21 | 2.400    3.95 |  3.40    2.48
               0.417    2.52 | 1.417   50.21 | 2.417    3.95 |  3.42    2.48
               0.433    2.52 | 1.433   50.21 | 2.433    3.95 |  3.43    2.48
               0.450    2.52 | 1.450   50.21 | 2.450    3.95 |  3.45    2.48
               0.467    2.52 | 1.467   50.21 | 2.467    3.95 |  3.47    2.48
               0.483    2.52 | 1.483   50.21 | 2.483    3.95 |  3.48    2.48
               0.500    2.52 | 1.500   50.21 | 2.500    3.95 |  3.50    2.48
               0.517    2.88 | 1.517   13.37 | 2.517    3.56 |  3.52    2.35
               0.533    2.88 | 1.533   13.37 | 2.533    3.56 |  3.53    2.35
               0.550    2.88 | 1.550   13.37 | 2.550    3.56 |  3.55    2.35
               0.567    2.88 | 1.567   13.37 | 2.567    3.56 |  3.57    2.35
               0.583    2.88 | 1.583   13.37 | 2.583    3.56 |  3.58    2.35
               0.600    2.88 | 1.600   13.37 | 2.600    3.56 |  3.60    2.35
               0.617    2.88 | 1.617   13.37 | 2.617    3.56 |  3.62    2.35
               0.633    2.88 | 1.633   13.37 | 2.633    3.56 |  3.63    2.35
               0.650    2.88 | 1.650   13.37 | 2.650    3.56 |  3.65    2.35
               0.667    2.88 | 1.667   13.37 | 2.667    3.56 |  3.67    2.35
               0.683    3.38 | 1.683    8.29 | 2.683    3.25 |  3.68    2.23
               0.700    3.38 | 1.700    8.29 | 2.700    3.25 |  3.70    2.23
               0.717    3.38 | 1.717    8.29 | 2.717    3.25 |  3.72    2.23
               0.733    3.38 | 1.733    8.29 | 2.733    3.25 |  3.73    2.23
               0.750    3.38 | 1.750    8.29 | 2.750    3.25 |  3.75    2.23
               0.767    3.38 | 1.767    8.29 | 2.767    3.25 |  3.77    2.23
               0.783    3.38 | 1.783    8.29 | 2.783    3.25 |  3.78    2.23
               0.800    3.38 | 1.800    8.29 | 2.800    3.25 |  3.80    2.23
               0.817    3.38 | 1.817    8.29 | 2.817    3.25 |  3.82    2.23
               0.833    3.38 | 1.833    8.29 | 2.833    3.25 |  3.83    2.23
               0.850    4.17 | 1.850    6.30 | 2.850    3.01 |  3.85    2.14
               0.867    4.18 | 1.867    6.30 | 2.867    3.01 |  3.87    2.14
               0.883    4.18 | 1.883    6.30 | 2.883    3.01 |  3.88    2.14
               0.900    4.18 | 1.900    6.30 | 2.900    3.01 |  3.90    2.14
               0.917    4.18 | 1.917    6.30 | 2.917    3.01 |  3.92    2.14
               0.933    4.18 | 1.933    6.30 | 2.933    3.01 |  3.93    2.14
               0.950    4.18 | 1.950    6.30 | 2.950    3.01 |  3.95    2.14
               0.967    4.18 | 1.967    6.30 | 2.967    3.01 |  3.97    2.14
               0.983    4.18 | 1.983    6.30 | 2.983    3.01 |  3.98    2.14
               1.000    4.18 | 2.000    6.30 | 3.000    3.01 |  4.00    2.14

    Max.Eff.Inten.(mm/hr)=      50.21         9.18
              over (min)        7.00        11.00
    Storage Coeff.  (min)=      6.78 (ii)   10.65 (ii)
    Unit Hyd. Tpeak (min)=      7.00        11.00
    Unit Hyd. peak  (cms)=      0.17         0.11
                                                    *TOTALS*
    PEAK FLOW       (cms)=      1.43         0.02         1.448 (iii)
    TIME TO PEAK    (hrs)=      1.55         1.67          1.55
    RUNOFF VOLUME    (mm)=     24.00         6.17         22.21
    TOTAL RAINFALL   (mm)=     25.00        25.00         25.00
    RUNOFF COEFFICIENT   =      0.96         0.25          0.89


      (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
           CN*  =  85.0    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.

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| CALIB            |
| STANDHYD (  0013)|   Area    (ha)=   2.56
|ID= 1 DT= 1.0 min |   Total Imp(%)=  99.00   Dir. Conn.(%)=  99.00
--------------------
                              IMPERVIOUS    PERVIOUS (i)
     Surface Area     (ha)=       2.53         0.03
     Dep. Storage     (mm)=       1.00         5.00
     Average Slope     (%)=       1.00         2.00
     Length            (m)=     130.64        40.00
     Mannings n            =      0.013        0.250

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


                              ---- TRANSFORMED HYETOGRAPH ----
                TIME    RAIN |  TIME    RAIN |'  TIME    RAIN |  TIME    RAIN
                 hrs   mm/hr |   hrs   mm/hr |'   hrs   mm/hr |   hrs   mm/hr
               0.017    2.07 | 1.017    5.70 | 2.017    5.19 |  3.02    2.80
               0.033    2.07 | 1.033    5.70 | 2.033    5.19 |  3.03    2.80
               0.050    2.07 | 1.050    5.70 | 2.050    5.19 |  3.05    2.80
               0.067    2.07 | 1.067    5.70 | 2.067    5.19 |  3.07    2.80
               0.083    2.07 | 1.083    5.70 | 2.083    5.19 |  3.08    2.80
               0.100    2.07 | 1.100    5.70 | 2.100    5.19 |  3.10    2.80
               0.117    2.07 | 1.117    5.70 | 2.117    5.19 |  3.12    2.80
               0.133    2.07 | 1.133    5.70 | 2.133    5.19 |  3.13    2.80
               0.150    2.07 | 1.150    5.70 | 2.150    5.19 |  3.15    2.80
               0.167    2.07 | 1.167    5.70 | 2.167    5.19 |  3.17    2.80
               0.183    2.27 | 1.183   10.78 | 2.183    4.47 |  3.18    2.62
               0.200    2.27 | 1.200   10.78 | 2.200    4.47 |  3.20    2.62
               0.217    2.27 | 1.217   10.78 | 2.217    4.47 |  3.22    2.62
               0.233    2.27 | 1.233   10.78 | 2.233    4.47 |  3.23    2.62
               0.250    2.27 | 1.250   10.78 | 2.250    4.47 |  3.25    2.62
               0.267    2.27 | 1.267   10.78 | 2.267    4.47 |  3.27    2.62
               0.283    2.27 | 1.283   10.78 | 2.283    4.47 |  3.28    2.62
               0.300    2.27 | 1.300   10.78 | 2.300    4.47 |  3.30    2.62
               0.317    2.27 | 1.317   10.78 | 2.317    4.47 |  3.32    2.62
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0.333	2.27	1.333	10.78	2.333	4.47	3.33	2.62
0.350	2.52	1.350	50.21	2.350	3.95	3.35	2.48
0.367	2.52	1.367	50.21	2.367	3.95	3.37	2.48
0.383	2.52	1.383	50.21	2.383	3.95	3.38	2.48
0.400	2.52	1.400	50.21	2.400	3.95	3.40	2.48
0.417	2.52	1.417	50.21	2.417	3.95	3.42	2.48
0.433	2.52	1.433	50.21	2.433	3.95	3.43	2.48
0.450	2.52	1.450	50.21	2.450	3.95	3.45	2.48
0.467	2.52	1.467	50.21	2.467	3.95	3.47	2.48
0.483	2.52	1.483	50.21	2.483	3.95	3.48	2.48
0.500	2.52	1.500	50.21	2.500	3.95	3.50	2.48
0.517	2.88	1.517	13.37	2.517	3.56	3.52	2.35
0.533	2.88	1.533	13.37	2.533	3.56	3.53	2.35
0.550	2.88	1.550	13.37	2.550	3.56	3.55	2.35
0.567	2.88	1.567	13.37	2.567	3.56	3.57	2.35
0.583	2.88	1.583	13.37	2.583	3.56	3.58	2.35
0.600	2.88	1.600	13.37	2.600	3.56	3.60	2.35
0.617	2.88	1.617	13.37	2.617	3.56	3.62	2.35
0.633	2.88	1.633	13.37	2.633	3.56	3.63	2.35
0.650	2.88	1.650	13.37	2.650	3.56	3.65	2.35
0.667	2.88	1.667	13.37	2.667	3.56	3.67	2.35
0.683	3.38	1.683	8.29	2.683	3.25	3.68	2.23
0.700	3.38	1.700	8.29	2.700	3.25	3.70	2.23
0.717	3.38	1.717	8.29	2.717	3.25	3.72	2.23
0.733	3.38	1.733	8.29	2.733	3.25	3.73	2.23
0.750	3.38	1.750	8.29	2.750	3.25	3.75	2.23
0.767	3.38	1.767	8.29	2.767	3.25	3.77	2.23
0.783	3.38	1.783	8.29	2.783	3.25	3.78	2.23
0.800	3.38	1.800	8.29	2.800	3.25	3.80	2.23
0.817	3.38	1.817	8.29	2.817	3.25	3.82	2.23
0.833	3.38	1.833	8.29	2.833	3.25	3.83	2.23
0.850	4.17	1.850	6.30	2.850	3.01	3.85	2.14
0.867	4.18	1.867	6.30	2.867	3.01	3.87	2.14
0.883	4.18	1.883	6.30	2.883	3.01	3.88	2.14
0.900	4.18	1.900	6.30	2.900	3.01	3.90	2.14
0.917	4.18	1.917	6.30	2.917	3.01	3.92	2.14
0.933	4.18	1.933	6.30	2.933	3.01	3.93	2.14
0.950	4.18	1.950	6.30	2.950	3.01	3.95	2.14
0.967	4.18	1.967	6.30	2.967	3.01	3.97	2.14
0.983	4.18	1.983	6.30	2.983	3.01	3.98	2.14
1.000	4.18	2.000	6.30	3.000	3.01	4.00	2.14

Max.Eff.Inten.(mm/hr)=	50.21	9.18	
over (min)	5.00	6.00	
Storage Coeff. (min)=	3.95 (ii)	5.43 (ii)	
Unit Hyd. Tpeak (min)=	5.00	6.00	
Unit Hyd. peak (cms)=	0.26	0.20	
			TOTALS
PEAK FLOW (cms)=	0.31	0.00	0.313 (iii)
TIME TO PEAK (hrs)=	1.52	1.57	1.52
RUNOFF VOLUME (mm)=	24.00	6.17	23.82
TOTAL RAINFALL (mm)=	25.00	25.00	25.00
RUNOFF COEFFICIENT =	0.96	0.25	0.95

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

ADD HYD (0012)		AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0010):		15.53	1.448	1.55	22.21
+ ID2= 2 (0013):		2.56	0.313	1.52	23.82
ID = 3 (0012):		18.09	1.746	1.53	22.44

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0011)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 1.0 min	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	2.8110	0.4813
	0.0590	0.3542	3.2550	0.5511
	1.5560	0.3695	4.0320	0.5885
	2.2770	0.4312	4.6420	0.6202

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0012)	18.090	1.746	1.53	22.44
OUTFLOW: ID= 1 (0011)	18.090	0.061	4.12	19.02

PEAK FLOW REDUCTION [Qout/Qin](%)= 3.51
TIME SHIFT OF PEAK FLOW (min)=155.00
MAXIMUM STORAGE USED (ha.m.)= 0.3542

V V I SSSSS U U A L (v 6.2.2019)
V V I SS U U A A L
V V I SS U U AAAAA L

V V I SSSSS U U A L
VV I SSSSS UUUUU A A LLLLL

OOO TTTTT TTTTT H H Y Y M M OOO TM
O O T T H H Y Y MM MM O O
O O T T H H Y M M O O
OOO T T H H Y M M OOO

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***** 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\voin.dat

Output filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\0df9a5f6-866f-41de-b2e6-c5a14d7b13e0\scenari
Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\0df9a5f6-866f-41de-b2e6-c5a14d7b13e0\scenari

DATE: 01-27-2026 TIME: 01:43:13

USER:

COMMENTS: _____

** SIMULATION : 2 - 2-Year 24hr Chic - Milton **

CHICAGO STORM	IDF curve parameters: A= 779.000
Ptotal= 47.70 mm	B= 6.000
	C= 0.821

used in: INTENSITY = A / (t + B)^C

Duration of storm = 24.00 hrs
Storm time step = 10.00 min
Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.37	6.00	1.29	12.00	1.14	18.00	0.53
0.17	0.38	6.17	1.41	12.17	1.10	18.17	0.52
0.33	0.38	6.33	1.55	12.33	1.06	18.33	0.52
0.50	0.39	6.50	1.73	12.50	1.03	18.50	0.51
0.67	0.40	6.67	1.96	12.67	1.00	18.67	0.50
0.83	0.41	6.83	2.26	12.83	0.97	18.83	0.50
1.00	0.42	7.00	2.70	13.00	0.94	19.00	0.49
1.17	0.42	7.17	3.37	13.17	0.92	19.17	0.48
1.33	0.43	7.33	4.53	13.33	0.89	19.33	0.48
1.50	0.44	7.50	7.13	13.50	0.87	19.50	0.47
1.67	0.45	7.67	18.18	13.67	0.85	19.67	0.47
1.83	0.46	7.83	80.06	13.83	0.83	19.83	0.46
2.00	0.47	8.00	24.18	14.00	0.81	20.00	0.46
2.17	0.49	8.17	12.21	14.17	0.79	20.17	0.45
2.33	0.50	8.33	8.15	14.33	0.78	20.33	0.45
2.50	0.51	8.50	6.13	14.50	0.76	20.50	0.44
2.67	0.53	8.67	4.94	14.67	0.74	20.67	0.44
2.83	0.54	8.83	4.14	14.83	0.73	20.83	0.43
3.00	0.56	9.00	3.58	15.00	0.71	21.00	0.43
3.17	0.57	9.17	3.16	15.17	0.70	21.17	0.42
3.33	0.59	9.33	2.83	15.33	0.69	21.33	0.42
3.50	0.61	9.50	2.57	15.50	0.67	21.50	0.41
3.67	0.63	9.67	2.36	15.67	0.66	21.67	0.41
3.83	0.65	9.83	2.18	15.83	0.65	21.83	0.41
4.00	0.68	10.00	2.02	16.00	0.64	22.00	0.40
4.17	0.71	10.17	1.89	16.17	0.63	22.17	0.40
4.33	0.73	10.33	1.78	16.33	0.62	22.33	0.39
4.50	0.77	10.50	1.68	16.50	0.61	22.50	0.39
4.67	0.80	10.67	1.59	16.67	0.60	22.67	0.39
4.83	0.84	10.83	1.51	16.83	0.59	22.83	0.38
5.00	0.88	11.00	1.44	17.00	0.58	23.00	0.38
5.17	0.93	11.17	1.38	17.17	0.57	23.17	0.38
5.33	0.98	11.33	1.32	17.33	0.56	23.33	0.37
5.50	1.04	11.50	1.27	17.50	0.55	23.50	0.37
5.67	1.12	11.67	1.22	17.67	0.55	23.67	0.37
5.83	1.20	11.83	1.18	17.83	0.54	23.83	0.36

CALIB			
STANDHYD (0010)	Area (ha)=	15.53	
ID= 1 DT= 1.0 min	Total Imp(%)=	90.00	Dir. Conn.(%)= 90.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	13.98	1.55
Dep. Storage (mm)=	1.00	5.00
Average Slope (%)=	1.00	2.00

Length (m)= 321.77 40.00
Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.37	6.017	1.29	12.017	1.14	18.02	0.53
0.033	0.37	6.033	1.29	12.033	1.14	18.03	0.53
0.050	0.37	6.050	1.29	12.050	1.14	18.05	0.53
0.067	0.37	6.067	1.29	12.067	1.14	18.07	0.53
0.083	0.37	6.083	1.29	12.083	1.14	18.08	0.53
0.100	0.37	6.100	1.29	12.100	1.14	18.10	0.53
0.117	0.37	6.117	1.29	12.117	1.14	18.12	0.53
0.133	0.37	6.133	1.29	12.133	1.14	18.13	0.53
0.150	0.37	6.150	1.29	12.150	1.14	18.15	0.53
0.167	0.37	6.167	1.29	12.167	1.14	18.17	0.53
0.183	0.38	6.183	1.41	12.183	1.10	18.18	0.52
0.200	0.38	6.200	1.41	12.200	1.10	18.20	0.52
0.217	0.38	6.217	1.41	12.217	1.10	18.22	0.52
0.233	0.38	6.233	1.41	12.233	1.10	18.23	0.52
0.250	0.38	6.250	1.41	12.250	1.10	18.25	0.52
0.267	0.38	6.267	1.41	12.267	1.10	18.27	0.52
0.283	0.38	6.283	1.41	12.283	1.10	18.28	0.52
0.300	0.38	6.300	1.41	12.300	1.10	18.30	0.52
0.317	0.38	6.317	1.41	12.317	1.10	18.32	0.52
0.333	0.38	6.333	1.41	12.333	1.10	18.33	0.52
0.350	0.38	6.350	1.55	12.350	1.06	18.35	0.52
0.367	0.38	6.367	1.55	12.367	1.06	18.37	0.52
0.383	0.38	6.383	1.55	12.383	1.06	18.38	0.52
0.400	0.38	6.400	1.55	12.400	1.06	18.40	0.52
0.417	0.38	6.417	1.55	12.417	1.06	18.42	0.52
0.433	0.38	6.433	1.55	12.433	1.06	18.43	0.52
0.450	0.38	6.450	1.55	12.450	1.06	18.45	0.52
0.467	0.38	6.467	1.55	12.467	1.06	18.47	0.52
0.483	0.38	6.483	1.55	12.483	1.06	18.48	0.52
0.500	0.38	6.500	1.55	12.500	1.06	18.50	0.52
0.517	0.39	6.517	1.73	12.517	1.03	18.52	0.51
0.533	0.39	6.533	1.73	12.533	1.03	18.53	0.51
0.550	0.39	6.550	1.73	12.550	1.03	18.55	0.51
0.567	0.39	6.567	1.73	12.567	1.03	18.57	0.51
0.583	0.39	6.583	1.73	12.583	1.03	18.58	0.51
0.600	0.39	6.600	1.73	12.600	1.03	18.60	0.51
0.617	0.39	6.617	1.73	12.617	1.03	18.62	0.51
0.633	0.39	6.633	1.73	12.633	1.03	18.63	0.51
0.650	0.39	6.650	1.73	12.650	1.03	18.65	0.51
0.667	0.39	6.667	1.73	12.667	1.03	18.67	0.51
0.683	0.40	6.683	1.96	12.683	1.00	18.68	0.50
0.700	0.40	6.700	1.96	12.700	1.00	18.70	0.50
0.717	0.40	6.717	1.96	12.717	1.00	18.72	0.50
0.733	0.40	6.733	1.96	12.733	1.00	18.73	0.50
0.750	0.40	6.750	1.96	12.750	1.00	18.75	0.50
0.767	0.40	6.767	1.96	12.767	1.00	18.77	0.50
0.783	0.40	6.783	1.96	12.783	1.00	18.78	0.50
0.800	0.40	6.800	1.96	12.800	1.00	18.80	0.50
0.817	0.40	6.817	1.96	12.817	1.00	18.82	0.50
0.833	0.40	6.833	1.96	12.833	1.00	18.83	0.50
0.850	0.41	6.850	2.26	12.850	0.97	18.85	0.50
0.867	0.41	6.867	2.26	12.867	0.97	18.87	0.50
0.883	0.41	6.883	2.26	12.883	0.97	18.88	0.50
0.900	0.41	6.900	2.26	12.900	0.97	18.90	0.50
0.917	0.41	6.917	2.26	12.917	0.97	18.92	0.50
0.933	0.41	6.933	2.26	12.933	0.97	18.93	0.50
0.950	0.41	6.950	2.26	12.950	0.97	18.95	0.50
0.967	0.41	6.967	2.26	12.967	0.97	18.97	0.50
0.983	0.41	6.983	2.26	12.983	0.97	18.98	0.50
1.000	0.41	7.000	2.26	13.000	0.97	19.00	0.50
1.017	0.42	7.017	2.70	13.017	0.94	19.02	0.49
1.033	0.42	7.033	2.70	13.033	0.94	19.03	0.49
1.050	0.42	7.050	2.70	13.050	0.94	19.05	0.49
1.067	0.42	7.067	2.70	13.067	0.94	19.07	0.49
1.083	0.42	7.083	2.70	13.083	0.94	19.08	0.49
1.100	0.42	7.100	2.70	13.100	0.94	19.10	0.49
1.117	0.42	7.117	2.70	13.117	0.94	19.12	0.49
1.133	0.42	7.133	2.70	13.133	0.94	19.13	0.49
1.150	0.42	7.150	2.70	13.150	0.94	19.15	0.49
1.167	0.42	7.167	2.70	13.167	0.94	19.17	0.49
1.183	0.42	7.183	3.37	13.183	0.92	19.18	0.48
1.200	0.42	7.200	3.37	13.200	0.92	19.20	0.48
1.217	0.42	7.217	3.37	13.217	0.92	19.22	0.48
1.233	0.42	7.233	3.37	13.233	0.92	19.23	0.48
1.250	0.42	7.250	3.37	13.250	0.92	19.25	0.48
1.267	0.42	7.267	3.37	13.267	0.92	19.27	0.48
1.283	0.42	7.283	3.37	13.283	0.92	19.28	0.48
1.300	0.42	7.300	3.37	13.300	0.92	19.30	0.48
1.317	0.42	7.317	3.37	13.317	0.92	19.32	0.48
1.333	0.42	7.333	3.37	13.333	0.92	19.33	0.48
1.350	0.43	7.350	4.53	13.350	0.89	19.35	0.48
1.367	0.43	7.367	4.53	13.367	0.89	19.37	0.48
1.383	0.43	7.383	4.53	13.383	0.89	19.38	0.48
1.400	0.43	7.400	4.53	13.400	0.89	19.40	0.48
1.417	0.43	7.417	4.53	13.417	0.89	19.42	0.48
1.433	0.43	7.433	4.53	13.433	0.89	19.43	0.48
1.450	0.43	7.450	4.53	13.450	0.89	19.45	0.48
1.467	0.43	7.467	4.53	13.467	0.89	19.47	0.48
1.483	0.43	7.483	4.53	13.483	0.89	19.48	0.48
1.500	0.43	7.500	4.54	13.500	0.89	19.50	0.48
1.517	0.44	7.517	7.13	13.517	0.87	19.52	0.47
1.533	0.44	7.533	7.13	13.533	0.87	19.53	0.47
1.550	0.44	7.550	7.13	13.550	0.87	19.55	0.47
1.567	0.44	7.567	7.13	13.567	0.87	19.57	0.47
1.583	0.44	7.583	7.13	13.583	0.87	19.58	0.47
1.600	0.44	7.600	7.13	13.600	0.87	19.60	0.47
1.617	0.44	7.617	7.13	13.617	0.87	19.62	0.47
1.633	0.44	7.633	7.13	13.633	0.87	19.63	0.47
1.650	0.44	7.650	7.13	13.650	0.87	19.65	0.47
1.667	0.44	7.667	7.16	13.667	0.87	19.67	0.47
1.683	0.45	7.683	18.18	13.683	0.85	19.68	0.47
1.700	0.45	7.700	18.18	13.700	0.85	19.70	0.47
1.717	0.45	7.717	18.18	13.717	0.85	19.72	0.47
1.733	0.45	7.733	18.18	13.733	0.85	19.73	0.47
1.750	0.45	7.750	18.18	13.750	0.85	19.75	0.47
1.767	0.45	7.767	18.18	13.767	0.85	19.77	0.47
1.783	0.45	7.783	18.18	13.783	0.85	19.78	0.47
1.800	0.45	7.800	18.18	13.800	0.85	19.80	0.47
1.817	0.45	7.817	18.18	13.817	0.85	19.82	0.47
1.833	0.45	7.833	18.36	13.833	0.85	19.83	0.47
1.850	0.46	7.850	80.06	13.850	0.83	19.85	0.46
1.867	0.46	7.867	80.06	13.867	0.83	19.87	0.46
1.883	0.46	7.883	80.06	13.883	0.83	19.88	0.46
1.900	0.46	7.900	80.06	13.900	0.83	19.90	0.46
1.917	0.46	7.917	80.06	13.917	0.83	19.92	0.46
1.933	0.46	7.933	80.06	13.933	0.83	19.93	0.46
1.950	0.46	7.950	80.06	13.950	0.83	19.95	0.46
1.967	0.46	7.967	80.06	13.967	0.83	19.97	0.46
1.983	0.46	7.983	80.06	13.983	0.83	19.98	0.46
2.000	0.46	8.000	79.90	14.000	0.83	20.00	0.46
2.017	0.47	8.017	24.18	14.017	0.81	20.02	0.46
2.033	0.47	8.033	24.18	14.033	0.81	20.03	0.46
2.050	0.47	8.050	24.18	14.050	0.81	20.05	0.46
2.067	0.47	8.067	24.18	14.067	0.81	20.07	0.46
2.083	0.47	8.083	24.18	14.083	0.81	20.08	0.46
2.100	0.47	8.100	24.18	14.100	0.81	20.10	0.46
2.117	0.47	8.117	24.18	14.117	0.81	20.12	0.46
2.133	0.47	8.133	24.18	14.133	0.81	20.13	0.46
2.150	0.47	8.150	24.18	14.150	0.81	20.15	0.46
2.167	0.47	8.167	24.14	14.167	0.81	20.17	0.46
2.183	0.49	8.183	12.21	14.183	0.79	20.18	0.45
2.200	0.49	8.200	12.21	14.200	0.79	20.20	0.45
2.217	0.49	8.217	12.21	14.217	0.79	20.22	0.45
2.233	0.49	8.233	12.21	14.233	0.79	20.23	0.45
2.250	0.49	8.250	12.21	14.250	0.79	20.25	0.45
2.267	0.49	8.267	12.21	14.267	0.79	20.27	0.45
2.283	0.49	8.283	12.21	14.283	0.79	20.28	0.45
2.300	0.49	8.300	12.21	14.300	0.79	20.30	0.45
2.317	0.49	8.317	12.21	14.317	0.79	20.32	0.45
2.333	0.49	8.333	12.20	14.333	0.79	20.33	0.45
2.350	0.50	8.350	8.15	14.350	0.78	20.35	0.45
2.367	0.50	8.367	8.15	14.367	0.78	20.37	0.45
2.383	0.50	8.383	8.15	14.383	0.78	20.38	0.45
2.400	0.50	8.400	8.15	14.400	0.78	20.40	0.45
2.417	0.50	8.417	8.15	14.417	0.78	20.42	0.45
2.433	0.50	8.433	8.15	14.433	0.78	20.43	0.45
2.450	0.50	8.450	8.15	14.450	0.78	20.45	0.45
2.467	0.50	8.467	8.15	14.467	0.78	20.47	0.45
2.483	0.50	8.483	8.15	14.483	0.78	20.48	0.45
2.500	0.50	8.500	8.14	14.500	0.78	20.50	0.45
2.517	0.51	8.517	6.13	14.517	0.76	20.52	0.44
2.533	0.51	8.533	6.13	14.533	0.76	20.53	0.44
2.550	0.51	8.550	6.13	14.550	0.76	20.55	0.44
2.567	0.51	8.567	6.13	14.567	0.76	20.57	0.44
2.583	0.51	8.583	6.13	14.583	0.76	20.58	0.44
2.600	0.51	8.600	6.13	14.600	0.76	20.60	0.44
2.617	0.51	8.617	6.13	14.617	0.76	20.62	0.44
2.633	0.51	8.633	6.13	14.633	0.76	20.63	0.44
2.650	0.51	8.650	6.13	14.650	0.76	20.65	0.44
2.667	0.51	8.667	6.13	14.667	0.76	20.67	0.44
2.683	0.53	8.683	4.94	14.683	0.74	20.68	0.44
2.700	0.53	8.700	4.94	14.700	0.74	20.70	0.44
2.717	0.53	8.717	4.94	14.717	0.74	20.72	0.44
2.733	0.53	8.733	4.94	14.733	0.74	20.73	0.44
2.750	0.53	8.750	4.94	14.750	0.74	20.75	0.44
2.767	0.53	8.767	4.94	14.767	0.74	20.77	0.44
2.783	0.53	8.783	4.94	14.783	0.74	20.78	0.44
2.800	0.53	8.800	4.94	14.800	0.74	20.80	0.44
2.817	0.53	8.817	4.94	14.817	0.74	20.82	0.44
2.833	0.53	8.833	4.93	14.833	0.74	20.83	0.44
2.850	0.54	8.850	4.14	14.850	0.73	20.85	0.43
2.867	0.54	8.867	4.14	14.867	0.73	20.87	0.43
2.883	0.54	8.883	4.14	14.883	0.73	20.88	0.43
2.900	0.54	8.900	4.14	14.900	0.73	20.90	0.43
2.917	0.54	8.917	4.14	14.917	0.73	20.92	0.43
2.933	0.54	8.933	4.14	14.933	0.73	20.93	0.43
2.950	0.54	8.950	4.14	14.950	0.73	20.95	0.43
2.967	0.54	8.967	4.14	14.967	0.73	20.97	0.43
2.983	0.54	8.983	4.14	14.983	0.73	20.98	0.43
3.000	0.54	9.000	4.14	15.000	0.73	21.00	0.43
3.017	0.56	9.017	3.58	15.017	0.71	21.02	0.43
3.033	0.56	9.033	3.58	15.033	0.71	21.03	0.43
3.050	0.56	9.050	3.58	15.050	0.71	21.05	0.43
3.067	0.56	9.067	3.58	15.067	0.71	21.07	0.43
3.083	0.56	9.083	3.58	15.083	0.71	21.08	0.43
3.100	0.56	9.100	3.58	15.100	0.71	21.10	0.43
3.117	0.56	9.117	3.58	15.117	0.71	21.12	0.43
3.133	0.56	9.133	3.58	15.133	0.71	21.13	0.43
3.150	0.56	9.150	3.58	15.150	0.71	21.15	0.43
3.167	0.56	9.167	3.58	15.167	0.71	21.17	0.43
3.183	0.57	9.183	3.16	15.183	0.70	21.18	0.42

3.200	0.57	9.200	3.16	15.200	0.70	21.20	0.42
3.217	0.57	9.217	3.16	15.217	0.70	21.22	0.42
3.233	0.57	9.233	3.16	15.233	0.70	21.23	0.42
3.250	0.57	9.250	3.16	15.250	0.70	21.25	0.42
3.267	0.57	9.267	3.16	15.267	0.70	21.27	0.42
3.283	0.57	9.283	3.16	15.283	0.70	21.28	0.42
3.300	0.57	9.300	3.16	15.300	0.70	21.30	0.42
3.317	0.57	9.317	3.16	15.317	0.70	21.32	0.42
3.333	0.57	9.333	3.16	15.333	0.70	21.33	0.42
3.350	0.59	9.350	2.83	15.350	0.69	21.35	0.42
3.367	0.59	9.367	2.83	15.367	0.69	21.37	0.42
3.383	0.59	9.383	2.83	15.383	0.69	21.38	0.42
3.400	0.59	9.400	2.83	15.400	0.69	21.40	0.42
3.417	0.59	9.417	2.83	15.417	0.69	21.42	0.42
3.433	0.59	9.433	2.83	15.433	0.69	21.43	0.42
3.450	0.59	9.450	2.83	15.450	0.69	21.45	0.42
3.467	0.59	9.467	2.83	15.467	0.69	21.47	0.42
3.483	0.59	9.483	2.83	15.483	0.69	21.48	0.42
3.500	0.59	9.500	2.83	15.500	0.69	21.50	0.42
3.517	0.61	9.517	2.57	15.517	0.67	21.52	0.41
3.533	0.61	9.533	2.57	15.533	0.67	21.53	0.41
3.550	0.61	9.550	2.57	15.550	0.67	21.55	0.41
3.567	0.61	9.567	2.57	15.567	0.67	21.57	0.41
3.583	0.61	9.583	2.57	15.583	0.67	21.58	0.41
3.600	0.61	9.600	2.57	15.600	0.67	21.60	0.41
3.617	0.61	9.617	2.57	15.617	0.67	21.62	0.41
3.633	0.61	9.633	2.57	15.633	0.67	21.63	0.41
3.650	0.61	9.650	2.57	15.650	0.67	21.65	0.41
3.667	0.61	9.667	2.57	15.667	0.67	21.67	0.41
3.683	0.63	9.683	2.36	15.683	0.66	21.68	0.41
3.700	0.63	9.700	2.36	15.700	0.66	21.70	0.41
3.717	0.63	9.717	2.36	15.717	0.66	21.72	0.41
3.733	0.63	9.733	2.36	15.733	0.66	21.73	0.41
3.750	0.63	9.750	2.36	15.750	0.66	21.75	0.41
3.767	0.63	9.767	2.36	15.767	0.66	21.77	0.41
3.783	0.63	9.783	2.36	15.783	0.66	21.78	0.41
3.800	0.63	9.800	2.36	15.800	0.66	21.80	0.41
3.817	0.63	9.817	2.36	15.817	0.66	21.82	0.41
3.833	0.63	9.833	2.35	15.833	0.66	21.83	0.41
3.850	0.65	9.850	2.18	15.850	0.65	21.85	0.41
3.867	0.65	9.867	2.18	15.867	0.65	21.87	0.41
3.883	0.65	9.883	2.18	15.883	0.65	21.88	0.41
3.900	0.65	9.900	2.18	15.900	0.65	21.90	0.41
3.917	0.65	9.917	2.18	15.917	0.65	21.92	0.41
3.933	0.65	9.933	2.18	15.933	0.65	21.93	0.41
3.950	0.65	9.950	2.18	15.950	0.65	21.95	0.41
3.967	0.65	9.967	2.18	15.967	0.65	21.97	0.41
3.983	0.65	9.983	2.18	15.983	0.65	21.98	0.41
4.000	0.65	10.000	2.18	16.000	0.65	22.00	0.41
4.017	0.68	10.017	2.02	16.017	0.64	22.02	0.40
4.033	0.68	10.033	2.02	16.033	0.64	22.03	0.40
4.050	0.68	10.050	2.02	16.050	0.64	22.05	0.40
4.067	0.68	10.067	2.02	16.067	0.64	22.07	0.40
4.083	0.68	10.083	2.02	16.083	0.64	22.08	0.40
4.100	0.68	10.100	2.02	16.100	0.64	22.10	0.40
4.117	0.68	10.117	2.02	16.117	0.64	22.12	0.40
4.133	0.68	10.133	2.02	16.133	0.64	22.13	0.40
4.150	0.68	10.150	2.02	16.150	0.64	22.15	0.40
4.167	0.68	10.167	2.02	16.167	0.64	22.17	0.40
4.183	0.71	10.183	1.89	16.183	0.63	22.18	0.40
4.200	0.71	10.200	1.89	16.200	0.63	22.20	0.40
4.217	0.71	10.217	1.89	16.217	0.63	22.22	0.40
4.233	0.71	10.233	1.89	16.233	0.63	22.23	0.40
4.250	0.71	10.250	1.89	16.250	0.63	22.25	0.40
4.267	0.71	10.267	1.89	16.267	0.63	22.27	0.40
4.283	0.71	10.283	1.89	16.283	0.63	22.28	0.40
4.300	0.71	10.300	1.89	16.300	0.63	22.30	0.40
4.317	0.71	10.317	1.89	16.317	0.63	22.32	0.40
4.333	0.71	10.333	1.89	16.333	0.63	22.33	0.40
4.350	0.73	10.350	1.78	16.350	0.62	22.35	0.39
4.367	0.73	10.367	1.78	16.367	0.62	22.37	0.39
4.383	0.73	10.383	1.78	16.383	0.62	22.38	0.39
4.400	0.73	10.400	1.78	16.400	0.62	22.40	0.39
4.417	0.73	10.417	1.78	16.417	0.62	22.42	0.39
4.433	0.73	10.433	1.78	16.433	0.62	22.43	0.39
4.450	0.73	10.450	1.78	16.450	0.62	22.45	0.39
4.467	0.73	10.467	1.78	16.467	0.62	22.47	0.39
4.483	0.73	10.483	1.78	16.483	0.62	22.48	0.39
4.500	0.73	10.500	1.78	16.500	0.62	22.50	0.39
4.517	0.77	10.517	1.68	16.517	0.61	22.52	0.39
4.533	0.77	10.533	1.68	16.533	0.61	22.53	0.39
4.550	0.77	10.550	1.68	16.550	0.61	22.55	0.39
4.567	0.77	10.567	1.68	16.567	0.61	22.57	0.39
4.583	0.77	10.583	1.68	16.583	0.61	22.58	0.39
4.600	0.77	10.600	1.68	16.600	0.61	22.60	0.39
4.617	0.77	10.617	1.68	16.617	0.61	22.62	0.39
4.633	0.77	10.633	1.68	16.633	0.61	22.63	0.39
4.650	0.77	10.650	1.68	16.650	0.61	22.65	0.39
4.667	0.77	10.667	1.68	16.667	0.61	22.67	0.39
4.683	0.80	10.683	1.59	16.683	0.60	22.68	0.39
4.700	0.80	10.700	1.59	16.700	0.60	22.70	0.39
4.717	0.80	10.717	1.59	16.717	0.60	22.72	0.39
4.733	0.80	10.733	1.59	16.733	0.60	22.73	0.39
4.750	0.80	10.750	1.59	16.750	0.60	22.75	0.39
4.767	0.80	10.767	1.59	16.767	0.60	22.77	0.39
4.783	0.80	10.783	1.59	16.783	0.60	22.78	0.39
4.800	0.80	10.800	1.59	16.800	0.60	22.80	0.39
4.817	0.80	10.817	1.59	16.817	0.60	22.82	0.39
4.833	0.80	10.833	1.59	16.833	0.60	22.83	0.39
4.850	0.84	10.850	1.51	16.850	0.59	22.85	0.38
4.867	0.84	10.867	1.51	16.867	0.59	22.87	0.38
4.883	0.84	10.883	1.51	16.883	0.59	22.88	0.38
4.900	0.84	10.900	1.51	16.900	0.59	22.90	0.38
4.917	0.84	10.917	1.51	16.917	0.59	22.92	0.38
4.933	0.84	10.933	1.51	16.933	0.59	22.93	0.38
4.950	0.84	10.950	1.51	16.950	0.59	22.95	0.38
4.967	0.84	10.967	1.51	16.967	0.59	22.97	0.38
4.983	0.84	10.983	1.51	16.983	0.59	22.98	0.38
5.000	0.84	11.000	1.51	17.000	0.59	23.00	0.38
5.017	0.88	11.017	1.44	17.017	0.58	23.02	0.38
5.033	0.88	11.033	1.44	17.033	0.58	23.03	0.38
5.050	0.88	11.050	1.44	17.050	0.58	23.05	0.38
5.067	0.88	11.067	1.44	17.067	0.58	23.07	0.38
5.083	0.88	11.083	1.44	17.083	0.58	23.08	0.38
5.100	0.88	11.100	1.44	17.100	0.58	23.10	0.38
5.117	0.88	11.117	1.44	17.117	0.58	23.12	0.38
5.133	0.88	11.133	1.44	17.133	0.58	23.13	0.38
5.150	0.88	11.150	1.44	17.150	0.58	23.15	0.38
5.167	0.88	11.167	1.44	17.167	0.58	23.17	0.38
5.183	0.93	11.183	1.38	17.183	0.57	23.18	0.38
5.200	0.93	11.200	1.38	17.200	0.57	23.20	0.38
5.217	0.93	11.217	1.38	17.217	0.57	23.22	0.38
5.233	0.93	11.233	1.38	17.233	0.57	23.23	0.38
5.250	0.93	11.250	1.38	17.250	0.57	23.25	0.38
5.267	0.93	11.267	1.38	17.267	0.57	23.27	0.38
5.283	0.93	11.283	1.38	17.283	0.57	23.28	0.38
5.300	0.93	11.300	1.38	17.300	0.57	23.30	0.38
5.317	0.93	11.317	1.38	17.317	0.57	23.32	0.38
5.333	0.93	11.333	1.38	17.333	0.57	23.33	0.38
5.350	0.98	11.350	1.32	17.350	0.56	23.35	0.37
5.367	0.98	11.367	1.32	17.367	0.56	23.37	0.37
5.383	0.98	11.383	1.32	17.383	0.56	23.38	0.37
5.400	0.98	11.400	1.32	17.400	0.56	23.40	0.37
5.417	0.98	11.417	1.32	17.417	0.56	23.42	0.37
5.433	0.98	11.433	1.32	17.433	0.56	23.43	0.37
5.450	0.98	11.450	1.32	17.450	0.56	23.45	0.37
5.467	0.98	11.467	1.32	17.467	0.56	23.47	0.37
5.483	0.98	11.483	1.32	17.483	0.56	23.48	0.37
5.500	0.98	11.500	1.32	17.500	0.56	23.50	0.37
5.517	1.04	11.517	1.27	17.517	0.55	23.52	0.37
5.533	1.04	11.533	1.27	17.533	0.55	23.53	0.37
5.550	1.04	11.550	1.27	17.550	0.55	23.55	0.37
5.567	1.04	11.567	1.27	17.567	0.55	23.57	0.37
5.583	1.04	11.583	1.27	17.583	0.55	23.58	0.37
5.600	1.04	11.600	1.27	17.600	0.55	23.60	0.37
5.617	1.04	11.617	1.27	17.617	0.55	23.62	0.37
5.633	1.04	11.633	1.27	17.633	0.55	23.63	0.37
5.650	1.04	11.650	1.27	17.650	0.55	23.65	0.37
5.667	1.05	11.667	1.27	17.667	0.55	23.67	0.37
5.683	1.12	11.683	1.22	17.683	0.55	23.68	0.37
5.700	1.12	11.700	1.22	17.700	0.55	23.70	0.37
5.717	1.12	11.717	1.22	17.717	0.55	23.72	0.37
5.733	1.12	11.733	1.22	17.733	0.55	23.73	0.37
5.750	1.12	11.750	1.22	17.750	0.55	23.75	0.37
5.767	1.12	11.767	1.22	17.767	0.55	23.77	0.37
5.783	1.12	11.783	1.22	17.783	0.55	23.78	0.37
5.800	1.12	11.800	1.22	17.800	0.55	23.80	0.37
5.817	1.12	11.817	1.22	17.817	0.55	23.82	0.37
5.833	1.12	11.833	1.22	17.833	0.55	23.83	0.37
5.850	1.20	11.850	1.18	17.850	0.54	23.85	0.36
5.867	1.20	11.867	1.18	17.867	0.54	23.87	0.36
5.883	1.20	11.883	1.18	17.883	0.54	23.88	0.36
5.900	1.20	11.900	1.18	17.900	0.54	23.90	0.36
5.917	1.20	11.917	1.18	17.917	0.54	23.92	0.36
5.933	1.20	11.933	1.18	17.933	0.54	23.93	0.36
5.950	1.20	11.950	1.18	17.950	0.54	23.95	0.36
5.967	1.20	11.967	1.18	17.967	0.54	23.97	0.36
5.983	1.20	11.983	1.18	17.983	0.54	23.98	0.36
6.000	1.20	12.000	1.18	18.000	0.54	24.00	0.36

Max.Eff.Inten.(mm/hr)=	80.06	31.43	
over (min)	6.00	9.00	
Storage Coeff. (min)=	5.63 (ii)	8.83 (ii)	
Unit Hyd. Tpeak (min)=	6.00	9.00	
Unit Hyd. peak (cms)=	0.20	0.13	
			TOTALS
PEAK FLOW (cms)=	2.47	0.09	2.550 (iii)
TIME TO PEAK (hrs)=	8.03	8.10	8.03
RUNOFF VOLUME (mm)=	46.69	20.83	44.11
TOTAL RAINFALL (mm)=	47.70	47.70	47.70
RUNOFF COEFFICIENT =	0.98	0.44	0.92

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

CALIB	
STANDHYD (0013)	Area (ha)= 2.56
ID= 1 DT= 1.0 min	Total Imp(%)= 99.00 Dir. Conn.(%)= 99.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	2.53	0.03
Dep. Storage	(mm)=	1.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	130.64	40.00

Mannings n = 0.013 0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.37	6.017	1.29	12.017	1.14	18.02	0.53
0.033	0.37	6.033	1.29	12.033	1.14	18.03	0.53
0.050	0.37	6.050	1.29	12.050	1.14	18.05	0.53
0.067	0.37	6.067	1.29	12.067	1.14	18.07	0.53
0.083	0.37	6.083	1.29	12.083	1.14	18.08	0.53
0.100	0.37	6.100	1.29	12.100	1.14	18.10	0.53
0.117	0.37	6.117	1.29	12.117	1.14	18.12	0.53
0.133	0.37	6.133	1.29	12.133	1.14	18.13	0.53
0.150	0.37	6.150	1.29	12.150	1.14	18.15	0.53
0.167	0.37	6.167	1.29	12.167	1.14	18.17	0.53
0.183	0.38	6.183	1.41	12.183	1.10	18.18	0.52
0.200	0.38	6.200	1.41	12.200	1.10	18.20	0.52
0.217	0.38	6.217	1.41	12.217	1.10	18.22	0.52
0.233	0.38	6.233	1.41	12.233	1.10	18.23	0.52
0.250	0.38	6.250	1.41	12.250	1.10	18.25	0.52
0.267	0.38	6.267	1.41	12.267	1.10	18.27	0.52
0.283	0.38	6.283	1.41	12.283	1.10	18.28	0.52
0.300	0.38	6.300	1.41	12.300	1.10	18.30	0.52
0.317	0.38	6.317	1.41	12.317	1.10	18.32	0.52
0.333	0.38	6.333	1.41	12.333	1.10	18.33	0.52
0.350	0.38	6.350	1.55	12.350	1.06	18.35	0.52
0.367	0.38	6.367	1.55	12.367	1.06	18.37	0.52
0.383	0.38	6.383	1.55	12.383	1.06	18.38	0.52
0.400	0.38	6.400	1.55	12.400	1.06	18.40	0.52
0.417	0.38	6.417	1.55	12.417	1.06	18.42	0.52
0.433	0.38	6.433	1.55	12.433	1.06	18.43	0.52
0.450	0.38	6.450	1.55	12.450	1.06	18.45	0.52
0.467	0.38	6.467	1.55	12.467	1.06	18.47	0.52
0.483	0.38	6.483	1.55	12.483	1.06	18.48	0.52
0.500	0.38	6.500	1.55	12.500	1.06	18.50	0.52
0.517	0.39	6.517	1.73	12.517	1.03	18.52	0.51
0.533	0.39	6.533	1.73	12.533	1.03	18.53	0.51
0.550	0.39	6.550	1.73	12.550	1.03	18.55	0.51
0.567	0.39	6.567	1.73	12.567	1.03	18.57	0.51
0.583	0.39	6.583	1.73	12.583	1.03	18.58	0.51
0.600	0.39	6.600	1.73	12.600	1.03	18.60	0.51
0.617	0.39	6.617	1.73	12.617	1.03	18.62	0.51
0.633	0.39	6.633	1.73	12.633	1.03	18.63	0.51
0.650	0.39	6.650	1.73	12.650	1.03	18.65	0.51
0.667	0.39	6.667	1.73	12.667	1.03	18.67	0.51
0.683	0.40	6.683	1.96	12.683	1.00	18.68	0.50
0.700	0.40	6.700	1.96	12.700	1.00	18.70	0.50
0.717	0.40	6.717	1.96	12.717	1.00	18.72	0.50
0.733	0.40	6.733	1.96	12.733	1.00	18.73	0.50
0.750	0.40	6.750	1.96	12.750	1.00	18.75	0.50
0.767	0.40	6.767	1.96	12.767	1.00	18.77	0.50
0.783	0.40	6.783	1.96	12.783	1.00	18.78	0.50
0.800	0.40	6.800	1.96	12.800	1.00	18.80	0.50
0.817	0.40	6.817	1.96	12.817	1.00	18.82	0.50
0.833	0.40	6.833	1.96	12.833	1.00	18.83	0.50
0.850	0.41	6.850	2.26	12.850	0.97	18.85	0.50
0.867	0.41	6.867	2.26	12.867	0.97	18.87	0.50
0.883	0.41	6.883	2.26	12.883	0.97	18.88	0.50
0.900	0.41	6.900	2.26	12.900	0.97	18.90	0.50
0.917	0.41	6.917	2.26	12.917	0.97	18.92	0.50
0.933	0.41	6.933	2.26	12.933	0.97	18.93	0.50
0.950	0.41	6.950	2.26	12.950	0.97	18.95	0.50
0.967	0.41	6.967	2.26	12.967	0.97	18.97	0.50
0.983	0.41	6.983	2.26	12.983	0.97	18.98	0.50
1.000	0.41	7.000	2.26	13.000	0.97	19.00	0.50
1.017	0.42	7.017	2.70	13.017	0.94	19.02	0.49
1.033	0.42	7.033	2.70	13.033	0.94	19.03	0.49
1.050	0.42	7.050	2.70	13.050	0.94	19.05	0.49
1.067	0.42	7.067	2.70	13.067	0.94	19.07	0.49
1.083	0.42	7.083	2.70	13.083	0.94	19.08	0.49
1.100	0.42	7.100	2.70	13.100	0.94	19.10	0.49
1.117	0.42	7.117	2.70	13.117	0.94	19.12	0.49
1.133	0.42	7.133	2.70	13.133	0.94	19.13	0.49
1.150	0.42	7.150	2.70	13.150	0.94	19.15	0.49
1.167	0.42	7.167	2.70	13.167	0.94	19.17	0.49
1.183	0.42	7.183	3.37	13.183	0.92	19.18	0.48
1.200	0.42	7.200	3.37	13.200	0.92	19.20	0.48
1.217	0.42	7.217	3.37	13.217	0.92	19.22	0.48
1.233	0.42	7.233	3.37	13.233	0.92	19.23	0.48
1.250	0.42	7.250	3.37	13.250	0.92	19.25	0.48
1.267	0.42	7.267	3.37	13.267	0.92	19.27	0.48
1.283	0.42	7.283	3.37	13.283	0.92	19.28	0.48
1.300	0.42	7.300	3.37	13.300	0.92	19.30	0.48
1.317	0.42	7.317	3.37	13.317	0.92	19.32	0.48
1.333	0.42	7.333	3.37	13.333	0.92	19.33	0.48
1.350	0.43	7.350	4.53	13.350	0.89	19.35	0.48
1.367	0.43	7.367	4.53	13.367	0.89	19.37	0.48
1.383	0.43	7.383	4.53	13.383	0.89	19.38	0.48
1.400	0.43	7.400	4.53	13.400	0.89	19.40	0.48
1.417	0.43	7.417	4.53	13.417	0.89	19.42	0.48
1.433	0.43	7.433	4.53	13.433	0.89	19.43	0.48
1.450	0.43	7.450	4.53	13.450	0.89	19.45	0.48
1.467	0.43	7.467	4.53	13.467	0.89	19.47	0.48
1.483	0.43	7.483	4.53	13.483	0.89	19.48	0.48
1.500	0.43	7.500	4.54	13.500	0.89	19.50	0.48
1.517	0.44	7.517	7.13	13.517	0.87	19.52	0.47
1.533	0.44	7.533	7.13	13.533	0.87	19.53	0.47
1.550	0.44	7.550	7.13	13.550	0.87	19.55	0.47
1.567	0.44	7.567	7.13	13.567	0.87	19.57	0.47
1.583	0.44	7.583	7.13	13.583	0.87	19.58	0.47
1.600	0.44	7.600	7.13	13.600	0.87	19.60	0.47
1.617	0.44	7.617	7.13	13.617	0.87	19.62	0.47
1.633	0.44	7.633	7.13	13.633	0.87	19.63	0.47
1.650	0.44	7.650	7.13	13.650	0.87	19.65	0.47
1.667	0.44	7.667	7.16	13.667	0.87	19.67	0.47
1.683	0.45	7.683	18.18	13.683	0.85	19.68	0.47
1.700	0.45	7.700	18.18	13.700	0.85	19.70	0.47
1.717	0.45	7.717	18.18	13.717	0.85	19.72	0.47
1.733	0.45	7.733	18.18	13.733	0.85	19.73	0.47
1.750	0.45	7.750	18.18	13.750	0.85	19.75	0.47
1.767	0.45	7.767	18.18	13.767	0.85	19.77	0.47
1.783	0.45	7.783	18.18	13.783	0.85	19.78	0.47
1.800	0.45	7.800	18.18	13.800	0.85	19.80	0.47
1.817	0.45	7.817	18.18	13.817	0.85	19.82	0.47
1.833	0.45	7.833	18.36	13.833	0.85	19.83	0.47
1.850	0.46	7.850	80.06	13.850	0.83	19.85	0.46
1.867	0.46	7.867	80.06	13.867	0.83	19.87	0.46
1.883	0.46	7.883	80.06	13.883	0.83	19.88	0.46
1.900	0.46	7.900	80.06	13.900	0.83	19.90	0.46
1.917	0.46	7.917	80.06	13.917	0.83	19.92	0.46
1.933	0.46	7.933	80.06	13.933	0.83	19.93	0.46
1.950	0.46	7.950	80.06	13.950	0.83	19.95	0.46
1.967	0.46	7.967	80.06	13.967	0.83	19.97	0.46
1.983	0.46	7.983	80.06	13.983	0.83	19.98	0.46
2.000	0.46	8.000	79.90	14.000	0.83	20.00	0.46
2.017	0.47	8.017	24.18	14.017	0.81	20.02	0.46
2.033	0.47	8.033	24.18	14.033	0.81	20.03	0.46
2.050	0.47	8.050	24.18	14.050	0.81	20.05	0.46
2.067	0.47	8.067	24.18	14.067	0.81	20.07	0.46
2.083	0.47	8.083	24.18	14.083	0.81	20.08	0.46
2.100	0.47	8.100	24.18	14.100	0.81	20.10	0.46
2.117	0.47	8.117	24.18	14.117	0.81	20.12	0.46
2.133	0.47	8.133	24.18	14.133	0.81	20.13	0.46
2.150	0.47	8.150	24.18	14.150	0.81	20.15	0.46
2.167	0.47	8.167	24.14	14.167	0.81	20.17	0.46
2.183	0.49	8.183	12.21	14.183	0.79	20.18	0.45
2.200	0.49	8.200	12.21	14.200	0.79	20.20	0.45
2.217	0.49	8.217	12.21	14.217	0.79	20.22	0.45
2.233	0.49	8.233	12.21	14.233	0.79	20.23	0.45
2.250	0.49	8.250	12.21	14.250	0.79	20.25	0.45
2.267	0.49	8.267	12.21	14.267	0.79	20.27	0.45
2.283	0.49	8.283	12.21	14.283	0.79	20.28	0.45
2.300	0.49	8.300	12.21	14.300	0.79	20.30	0.45
2.317	0.49	8.317	12.21	14.317	0.79	20.32	0.45
2.333	0.49	8.333	12.20	14.333	0.79	20.33	0.45
2.350	0.50	8.350	8.15	14.350	0.78	20.35	0.45
2.367	0.50	8.367	8.15	14.367	0.78	20.37	0.45
2.383	0.50	8.383	8.15	14.383	0.78	20.38	0.45
2.400	0.50	8.400	8.15	14.400	0.78	20.40	0.45
2.417	0.50	8.417	8.15	14.417	0.78	20.42	0.45
2.433	0.50	8.433	8.15	14.433	0.78	20.43	0.45
2.450	0.50	8.450	8.15	14.450	0.78	20.45	0.45
2.467	0.50	8.467	8.15	14.467	0.78	20.47	0.45
2.483	0.50	8.483	8.15	14.483	0.78	20.48	0.45
2.500	0.50	8.500	8.14	14.500	0.78	20.50	0.45
2.517	0.51	8.517	6.13	14.517	0.76	20.52	0.44
2.533	0.51	8.533	6.13	14.533	0.76	20.53	0.44
2.550	0.51	8.550	6.13	14.550	0.76	20.55	0.44
2.567	0.51	8.567	6.13	14.567	0.76	20.57	0.44
2.583	0.51	8.583	6.13	14.583	0.76	20.58	0.44
2.600	0.51	8.600	6.13	14.600	0.76	20.60	0.44
2.617	0.51	8.617	6.13	14.617	0.76	20.62	0.44
2.633	0.51	8.633	6.13	14.633	0.76	20.63	0.44
2.650	0.51	8.650	6.13	14.650	0.76	20.65	0.44
2.667	0.51	8.667	6.13	14.667	0.76	20.67	0.44
2.683	0.53	8.683	4.94	14.683	0.74	20.68	0.44
2.700	0.53	8.700	4.94	14.700	0.74	20.70	0.44
2.717	0.53	8.717	4.94	14.717	0.74	20.72	0.44
2.733	0.53	8.733	4.94	14.733	0.74	20.73	0.44
2.750	0.53	8.750	4.94	14.750	0.74	20.75	0.44
2.767	0.53	8.767	4.94	14.767	0.74	20.77	0.44
2.783	0.53	8.783	4.94	14.783	0.74	20.78	0.44
2.800	0.53	8.800	4.94	14.800	0.74	20.80	0.44
2.817	0.53	8.817	4.94	14.817	0.74	20.82	0.44
2.833	0.53	8.833	4.93	14.833	0.74	20.83	0.44
2.850	0.54	8.850	4.14	14.850	0.73	20.85	0.43
2.867	0.54	8.867	4.14	14.867	0.73	20.87	0.43
2.883	0.54	8.883	4.14	14.883	0.73	20.88	0.43
2.900	0.54	8.900	4.14	14.900	0.73	20.90	0.43
2.917	0.54	8.917	4.14	14.917	0.73	20.92	0.43
2.933	0.54	8.933	4.14	14.933	0.73	20.93	0.43
2.950	0.54	8.950	4.14	14.950	0.73	20.95	0.43
2.967	0.54	8.967	4.14	14.967	0.73	20.97	0.43
2.983	0.54	8.983	4.14	14.983	0.73	20.98	0.43
3.000	0.54	9.000	4.14	15.000	0.73	21.00	0.43
3.017	0.56	9.017	3.58	15.017	0.71	21.02	0.43
3.033	0.56	9.033	3.58	15.033	0.71	21.03	0.43
3.050	0.56	9.050	3.58	15.050	0.71	21.05	0.43
3.067	0.56	9.067	3.58	15.067	0.71	21.07	0.43
3.083	0.56	9.083	3.58	15.083	0.71	21.08	0.43
3.100	0.56	9.100	3.58	15.100	0.71	21.10	0.43
3.117	0.56	9.117	3.58	15.117	0.71	21.12	0.43
3.133	0.56	9.133	3.58	15.133	0.71	21.13	0.43
3.150	0.56	9.150	3.58	15.150	0.71	21.15	0.43
3.167	0.56	9.167	3.58	15.167	0.71	21.17	0.43
3.183	0.57	9.183	3.16	15.183	0.70	21.18	0.42
3.200	0.57	9.200	3.16	15.200	0.70	21.20	0.42

3.217	0.57	9.217	3.16	15.217	0.70	21.22	0.42
3.233	0.57	9.233	3.16	15.233	0.70	21.23	0.42
3.250	0.57	9.250	3.16	15.250	0.70	21.25	0.42
3.267	0.57	9.267	3.16	15.267	0.70	21.27	0.42
3.283	0.57	9.283	3.16	15.283	0.70	21.28	0.42
3.300	0.57	9.300	3.16	15.300	0.70	21.30	0.42
3.317	0.57	9.317	3.16	15.317	0.70	21.32	0.42
3.333	0.57	9.333	3.16	15.333	0.70	21.33	0.42
3.350	0.59	9.350	2.83	15.350	0.69	21.35	0.42
3.367	0.59	9.367	2.83	15.367	0.69	21.37	0.42
3.383	0.59	9.383	2.83	15.383	0.69	21.38	0.42
3.400	0.59	9.400	2.83	15.400	0.69	21.40	0.42
3.417	0.59	9.417	2.83	15.417	0.69	21.42	0.42
3.433	0.59	9.433	2.83	15.433	0.69	21.43	0.42
3.450	0.59	9.450	2.83	15.450	0.69	21.45	0.42
3.467	0.59	9.467	2.83	15.467	0.69	21.47	0.42
3.483	0.59	9.483	2.83	15.483	0.69	21.48	0.42
3.500	0.59	9.500	2.83	15.500	0.69	21.50	0.42
3.517	0.61	9.517	2.57	15.517	0.67	21.52	0.41
3.533	0.61	9.533	2.57	15.533	0.67	21.53	0.41
3.550	0.61	9.550	2.57	15.550	0.67	21.55	0.41
3.567	0.61	9.567	2.57	15.567	0.67	21.57	0.41
3.583	0.61	9.583	2.57	15.583	0.67	21.58	0.41
3.600	0.61	9.600	2.57	15.600	0.67	21.60	0.41
3.617	0.61	9.617	2.57	15.617	0.67	21.62	0.41
3.633	0.61	9.633	2.57	15.633	0.67	21.63	0.41
3.650	0.61	9.650	2.57	15.650	0.67	21.65	0.41
3.667	0.61	9.667	2.57	15.667	0.67	21.67	0.41
3.683	0.63	9.683	2.36	15.683	0.66	21.68	0.41
3.700	0.63	9.700	2.36	15.700	0.66	21.70	0.41
3.717	0.63	9.717	2.36	15.717	0.66	21.72	0.41
3.733	0.63	9.733	2.36	15.733	0.66	21.73	0.41
3.750	0.63	9.750	2.36	15.750	0.66	21.75	0.41
3.767	0.63	9.767	2.36	15.767	0.66	21.77	0.41
3.783	0.63	9.783	2.36	15.783	0.66	21.78	0.41
3.800	0.63	9.800	2.36	15.800	0.66	21.80	0.41
3.817	0.63	9.817	2.36	15.817	0.66	21.82	0.41
3.833	0.63	9.833	2.35	15.833	0.66	21.83	0.41
3.850	0.65	9.850	2.18	15.850	0.65	21.85	0.41
3.867	0.65	9.867	2.18	15.867	0.65	21.87	0.41
3.883	0.65	9.883	2.18	15.883	0.65	21.88	0.41
3.900	0.65	9.900	2.18	15.900	0.65	21.90	0.41
3.917	0.65	9.917	2.18	15.917	0.65	21.92	0.41
3.933	0.65	9.933	2.18	15.933	0.65	21.93	0.41
3.950	0.65	9.950	2.18	15.950	0.65	21.95	0.41
3.967	0.65	9.967	2.18	15.967	0.65	21.97	0.41
3.983	0.65	9.983	2.18	15.983	0.65	21.98	0.41
4.000	0.65	10.000	2.18	16.000	0.65	22.00	0.41
4.017	0.68	10.017	2.02	16.017	0.64	22.02	0.40
4.033	0.68	10.033	2.02	16.033	0.64	22.03	0.40
4.050	0.68	10.050	2.02	16.050	0.64	22.05	0.40
4.067	0.68	10.067	2.02	16.067	0.64	22.07	0.40
4.083	0.68	10.083	2.02	16.083	0.64	22.08	0.40
4.100	0.68	10.100	2.02	16.100	0.64	22.10	0.40
4.117	0.68	10.117	2.02	16.117	0.64	22.12	0.40
4.133	0.68	10.133	2.02	16.133	0.64	22.13	0.40
4.150	0.68	10.150	2.02	16.150	0.64	22.15	0.40
4.167	0.68	10.167	2.02	16.167	0.64	22.17	0.40
4.183	0.71	10.183	1.89	16.183	0.63	22.18	0.40
4.200	0.71	10.200	1.89	16.200	0.63	22.20	0.40
4.217	0.71	10.217	1.89	16.217	0.63	22.22	0.40
4.233	0.71	10.233	1.89	16.233	0.63	22.23	0.40
4.250	0.71	10.250	1.89	16.250	0.63	22.25	0.40
4.267	0.71	10.267	1.89	16.267	0.63	22.27	0.40
4.283	0.71	10.283	1.89	16.283	0.63	22.28	0.40
4.300	0.71	10.300	1.89	16.300	0.63	22.30	0.40
4.317	0.71	10.317	1.89	16.317	0.63	22.32	0.40
4.333	0.71	10.333	1.89	16.333	0.63	22.33	0.40
4.350	0.73	10.350	1.78	16.350	0.62	22.35	0.39
4.367	0.73	10.367	1.78	16.367	0.62	22.37	0.39
4.383	0.73	10.383	1.78	16.383	0.62	22.38	0.39
4.400	0.73	10.400	1.78	16.400	0.62	22.40	0.39
4.417	0.73	10.417	1.78	16.417	0.62	22.42	0.39
4.433	0.73	10.433	1.78	16.433	0.62	22.43	0.39
4.450	0.73	10.450	1.78	16.450	0.62	22.45	0.39
4.467	0.73	10.467	1.78	16.467	0.62	22.47	0.39
4.483	0.73	10.483	1.78	16.483	0.62	22.48	0.39
4.500	0.73	10.500	1.78	16.500	0.62	22.50	0.39
4.517	0.77	10.517	1.68	16.517	0.61	22.52	0.39
4.533	0.77	10.533	1.68	16.533	0.61	22.53	0.39
4.550	0.77	10.550	1.68	16.550	0.61	22.55	0.39
4.567	0.77	10.567	1.68	16.567	0.61	22.57	0.39
4.583	0.77	10.583	1.68	16.583	0.61	22.58	0.39
4.600	0.77	10.600	1.68	16.600	0.61	22.60	0.39
4.617	0.77	10.617	1.68	16.617	0.61	22.62	0.39
4.633	0.77	10.633	1.68	16.633	0.61	22.63	0.39
4.650	0.77	10.650	1.68	16.650	0.61	22.65	0.39
4.667	0.77	10.667	1.68	16.667	0.61	22.67	0.39
4.683	0.80	10.683	1.59	16.683	0.60	22.68	0.39
4.700	0.80	10.700	1.59	16.700	0.60	22.70	0.39
4.717	0.80	10.717	1.59	16.717	0.60	22.72	0.39
4.733	0.80	10.733	1.59	16.733	0.60	22.73	0.39
4.750	0.80	10.750	1.59	16.750	0.60	22.75	0.39
4.767	0.80	10.767	1.59	16.767	0.60	22.77	0.39
4.783	0.80	10.783	1.59	16.783	0.60	22.78	0.39
4.800	0.80	10.800	1.59	16.800	0.60	22.80	0.39
4.817	0.80	10.817	1.59	16.817	0.60	22.82	0.39
4.833	0.80	10.833	1.59	16.833	0.60	22.83	0.39
4.850	0.84	10.850	1.51	16.850	0.59	22.85	0.38
4.867	0.84	10.867	1.51	16.867	0.59	22.87	0.38
4.883	0.84	10.883	1.51	16.883	0.59	22.88	0.38
4.900	0.84	10.900	1.51	16.900	0.59	22.90	0.38
4.917	0.84	10.917	1.51	16.917	0.59	22.92	0.38
4.933	0.84	10.933	1.51	16.933	0.59	22.93	0.38
4.950	0.84	10.950	1.51	16.950	0.59	22.95	0.38
4.967	0.84	10.967	1.51	16.967	0.59	22.97	0.38
4.983	0.84	10.983	1.51	16.983	0.59	22.98	0.38
5.000	0.84	11.000	1.51	17.000	0.59	23.00	0.38
5.017	0.88	11.017	1.44	17.017	0.58	23.02	0.38
5.033	0.88	11.033	1.44	17.033	0.58	23.03	0.38
5.050	0.88	11.050	1.44	17.050	0.58	23.05	0.38
5.067	0.88	11.067	1.44	17.067	0.58	23.07	0.38
5.083	0.88	11.083	1.44	17.083	0.58	23.08	0.38
5.100	0.88	11.100	1.44	17.100	0.58	23.10	0.38
5.117	0.88	11.117	1.44	17.117	0.58	23.12	0.38
5.133	0.88	11.133	1.44	17.133	0.58	23.13	0.38
5.150	0.88	11.150	1.44	17.150	0.58	23.15	0.38
5.167	0.88	11.167	1.44	17.167	0.58	23.17	0.38
5.183	0.93	11.183	1.38	17.183	0.57	23.18	0.38
5.200	0.93	11.200	1.38	17.200	0.57	23.20	0.38
5.217	0.93	11.217	1.38	17.217	0.57	23.22	0.38
5.233	0.93	11.233	1.38	17.233	0.57	23.23	0.38
5.250	0.93	11.250	1.38	17.250	0.57	23.25	0.38
5.267	0.93	11.267	1.38	17.267	0.57	23.27	0.38
5.283	0.93	11.283	1.38	17.283	0.57	23.28	0.38
5.300	0.93	11.300	1.38	17.300	0.57	23.30	0.38
5.317	0.93	11.317	1.38	17.317	0.57	23.32	0.38
5.333	0.93	11.333	1.38	17.333	0.57	23.33	0.38
5.350	0.98	11.350	1.32	17.350	0.56	23.35	0.37
5.367	0.98	11.367	1.32	17.367	0.56	23.37	0.37
5.383	0.98	11.383	1.32	17.383	0.56	23.38	0.37
5.400	0.98	11.400	1.32	17.400	0.56	23.40	0.37
5.417	0.98	11.417	1.32	17.417	0.56	23.42	0.37
5.433	0.98	11.433	1.32	17.433	0.56	23.43	0.37
5.450	0.98	11.450	1.32	17.450	0.56	23.45	0.37
5.467	0.98	11.467	1.32	17.467	0.56	23.47	0.37
5.483	0.98	11.483	1.32	17.483	0.56	23.48	0.37
5.500	0.98	11.500	1.32	17.500	0.56	23.50	0.37
5.517	1.04	11.517	1.27	17.517	0.55	23.52	0.37
5.533	1.04	11.533	1.27	17.533	0.55	23.53	0.37
5.550	1.04	11.550	1.27	17.550	0.55	23.55	0.37
5.567	1.04	11.567	1.27	17.567	0.55	23.57	0.37
5.583	1.04	11.583	1.27	17.583	0.55	23.58	0.37
5.600	1.04	11.600	1.27	17.600	0.55	23.60	0.37
5.617	1.04	11.617	1.27	17.617	0.55	23.62	0.37
5.633	1.04	11.633	1.27	17.633	0.55	23.63	0.37
5.650	1.04	11.650	1.27	17.650	0.55	23.65	0.37
5.667	1.05	11.667	1.27	17.667	0.55	23.67	0.37
5.683	1.12	11.683	1.22	17.683	0.55	23.68	0.37
5.700	1.12	11.700	1.22	17.700	0.55	23.70	0.37
5.717	1.12	11.717	1.22	17.717	0.55	23.72	0.37
5.733	1.12	11.733	1.22	17.733	0.55	23.73	0.37
5.750	1.12	11.750	1.22	17.750	0.55	23.75	0.37
5.767	1.12	11.767	1.22	17.767	0.55	23.77	0.37
5.783	1.12	11.783	1.22	17.783	0.55	23.78	0.37
5.800	1.12	11.800	1.22	17.800	0.55	23.80	0.37
5.817	1.12	11.817	1.22	17.817	0.55	23.82	0.37
5.833	1.12	11.833	1.22	17.833	0.55	23.83	0.37
5.850	1.20	11.850	1.18	17.850	0.54	23.85	0.36
5.867	1.20	11.867	1.18	17.867	0.54	23.87	0.36
5.883	1.20	11.883	1.18	17.883	0.54	23.88	0.36
5.900	1.20	11.900	1.18	17.900	0.54	23.90	0.36
5.917	1.20	11.917	1.18	17.917	0.54	23.92	0.36
5.933	1.20	11.933	1.18	17.933	0.54	23.93	0.36
5.950	1.20	11.950	1.18	17.950	0.54	23.95	0.36
5.967	1.20	11.967	1.18	17.967	0.54	23.97	0.36
5.983	1.20	11.983	1.18	17.983	0.54	23.98	0.36
6.000	1.20	12.000	1.18	18.000	0.54	24.00	0.36

Max.Eff.Inten.(mm/hr)=	80.06	31.43	
over (min)	5.00	5.00	
Storage Coeff. (min)=	3.28 (ii)	4.51 (ii)	
Unit Hyd. Tpeak (min)=	5.00	5.00	
Unit Hyd. peak (cms)=	0.29	0.24	
			TOTALS
PEAK FLOW (cms)=	0.52	0.00	0.519 (iii)
TIME TO PEAK (hrs)=	8.00	8.03	8.00
RUNOFF VOLUME (mm)=	46.69	20.83	46.44
TOTAL RAINFALL (mm)=	47.70	47.70	47.70
RUNOFF COEFFICIENT =	0.98	0.44	0.97

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

ADD HYD (0012) 1 + 2 = 3	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
ID1= 1 (0010):	15.53	2.550	8.03	44.11
+ ID2= 2 (0013):	2.56	0.519	8.00	46.44
ID = 3 (0012):	18.09	3.050	8.03	44.44

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

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--------------------
| RESERVOIR(  0011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  1.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |  (cms)     (ha.m.)
                          0.0000      0.0000   |   2.8110      0.4813
                          0.0590      0.3542   |   3.2550      0.5511
                          1.5560      0.3695   |   4.0320      0.5885
                          2.2770      0.4312   |   4.6420      0.6202

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0012)     18.090      3.050      8.03      44.44
   OUTFLOW: ID= 1 (  0011)     18.090      1.547      8.20      36.26

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 50.72
                  TIME SHIFT OF PEAK FLOW         (min)= 10.00
                  MAXIMUM  STORAGE   USED      (ha.m.)=  0.3695

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================================================================================
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       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  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\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\277dd6
8a-7ca5-4abc-b4a2-d83b13c0c469\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\277dd6
8a-7ca5-4abc-b4a2-d83b13c0c469\scenari
```

DATE: 01-27-2026 TIME: 01:43:14

USER:

COMMENTS: _____

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  ************************************************
  ** SIMULATION : 3 - 5-Year 24hr Chic- Milton  **
  ************************************************

--------------------
| CHICAGO STORM    |    IDF curve parameters: A= 959.000
| Ptotal= 67.05 mm |                          B=   5.700
--------------------                          C=   0.802
                         used in:   INTENSITY =  A / (t + B)^C

                         Duration of storm  = 24.00 hrs
                         Storm time step    = 10.00 min
                         Time to peak ratio =  0.33
```

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.57	6.00	1.93	12.00	1.70	18.00	0.81
0.17	0.58	6.17	2.10	12.17	1.64	18.17	0.80
0.33	0.59	6.33	2.30	12.33	1.59	18.33	0.79
0.50	0.60	6.50	2.55	12.50	1.55	18.50	0.78
0.67	0.61	6.67	2.88	12.67	1.50	18.67	0.77
0.83	0.63	6.83	3.31	12.83	1.46	18.83	0.76
1.00	0.64	7.00	3.92	13.00	1.42	19.00	0.75
1.17	0.65	7.17	4.85	13.17	1.38	19.17	0.74
1.33	0.67	7.33	6.45	13.33	1.35	19.33	0.73
1.50	0.68	7.50	9.95	13.50	1.31	19.50	0.72
1.67	0.70	7.67	24.45	13.67	1.28	19.67	0.72
1.83	0.71	7.83	105.25	13.83	1.25	19.83	0.71
2.00	0.73	8.00	32.26	14.00	1.23	20.00	0.70
2.17	0.75	8.17	16.67	14.17	1.20	20.17	0.69
2.33	0.76	8.33	11.31	14.33	1.17	20.33	0.69
2.50	0.78	8.50	8.62	14.50	1.15	20.50	0.68
2.67	0.80	8.67	7.00	14.67	1.13	20.67	0.67
2.83	0.83	8.83	5.92	14.83	1.10	20.83	0.66
3.00	0.85	9.00	5.14	15.00	1.08	21.00	0.66
3.17	0.88	9.17	4.56	15.17	1.06	21.17	0.65
3.33	0.90	9.33	4.11	15.33	1.04	21.33	0.64
3.50	0.93	9.50	3.74	15.50	1.02	21.50	0.64
3.67	0.96	9.67	3.44	15.67	1.01	21.67	0.63
3.83	1.00	9.83	3.19	15.83	0.99	21.83	0.62
4.00	1.03	10.00	2.97	16.00	0.97	22.00	0.62
4.17	1.07	10.17	2.79	16.17	0.96	22.17	0.61
4.33	1.11	10.33	2.63	16.33	0.94	22.33	0.61
4.50	1.16	10.50	2.48	16.50	0.92	22.50	0.60
4.67	1.21	10.67	2.36	16.67	0.91	22.67	0.60
4.83	1.27	10.83	2.25	16.83	0.90	22.83	0.59
5.00	1.33	11.00	2.14	17.00	0.88	23.00	0.59
5.17	1.40	11.17	2.05	17.17	0.87	23.17	0.58
5.33	1.48	11.33	1.97	17.33	0.86	23.33	0.57
5.50	1.57	11.50	1.89	17.50	0.85	23.50	0.57
5.67	1.67	11.67	1.82	17.67	0.83	23.67	0.57
5.83	1.79	11.83	1.76	17.83	0.82	23.83	0.56

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--------------------
| CALIB            |
| STANDHYD (  0010)|   Area    (ha)=  15.53
|ID= 1 DT= 1.0 min |   Total Imp(%)=  90.00   Dir. Conn.(%)=  90.00
--------------------
                          IMPERVIOUS    PERVIOUS (i)
     Surface Area     (ha)=      13.98         1.55
     Dep. Storage     (mm)=       1.00         5.00
     Average Slope     (%)=       1.00         2.00
     Length            (m)=     321.77        40.00
     Mannings n           =      0.013        0.250

         NOTE:  RAINFALL WAS TRANSFORMED TO   1.0 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
0.017	0.57	6.017	1.93	12.017	1.70	18.02	0.81
0.033	0.57	6.033	1.93	12.033	1.70	18.03	0.81
0.050	0.57	6.050	1.93	12.050	1.70	18.05	0.81
0.067	0.57	6.067	1.93	12.067	1.70	18.07	0.81
0.083	0.57	6.083	1.93	12.083	1.70	18.08	0.81
0.100	0.57	6.100	1.93	12.100	1.70	18.10	0.81
0.117	0.57	6.117	1.93	12.117	1.70	18.12	0.81
0.133	0.57	6.133	1.93	12.133	1.70	18.13	0.81
0.150	0.57	6.150	1.93	12.150	1.70	18.15	0.81
0.167	0.57	6.167	1.93	12.167	1.70	18.17	0.81
0.183	0.58	6.183	2.10	12.183	1.64	18.18	0.80
0.200	0.58	6.200	2.10	12.200	1.64	18.20	0.80
0.217	0.58	6.217	2.10	12.217	1.64	18.22	0.80
0.233	0.58	6.233	2.10	12.233	1.64	18.23	0.80
0.250	0.58	6.250	2.10	12.250	1.64	18.25	0.80
0.267	0.58	6.267	2.10	12.267	1.64	18.27	0.80
0.283	0.58	6.283	2.10	12.283	1.64	18.28	0.80
0.300	0.58	6.300	2.10	12.300	1.64	18.30	0.80
0.317	0.58	6.317	2.10	12.317	1.64	18.32	0.80
0.333	0.58	6.333	2.10	12.333	1.64	18.33	0.80
0.350	0.59	6.350	2.30	12.350	1.59	18.35	0.79
0.367	0.59	6.367	2.30	12.367	1.59	18.37	0.79
0.383	0.59	6.383	2.30	12.383	1.59	18.38	0.79
0.400	0.59	6.400	2.30	12.400	1.59	18.40	0.79
0.417	0.59	6.417	2.30	12.417	1.59	18.42	0.79
0.433	0.59	6.433	2.30	12.433	1.59	18.43	0.79
0.450	0.59	6.450	2.30	12.450	1.59	18.45	0.79
0.467	0.59	6.467	2.30	12.467	1.59	18.47	0.79
0.483	0.59	6.483	2.30	12.483	1.59	18.48	0.79
0.500	0.59	6.500	2.30	12.500	1.59	18.50	0.79
0.517	0.60	6.517	2.55	12.517	1.55	18.52	0.78
0.533	0.60	6.533	2.55	12.533	1.55	18.53	0.78
0.550	0.60	6.550	2.55	12.550	1.55	18.55	0.78
0.567	0.60	6.567	2.55	12.567	1.55	18.57	0.78
0.583	0.60	6.583	2.55	12.583	1.55	18.58	0.78
0.600	0.60	6.600	2.55	12.600	1.55	18.60	0.78
0.617	0.60	6.617	2.55	12.617	1.55	18.62	0.78
0.633	0.60	6.633	2.55	12.633	1.55	18.63	0.78
0.650	0.60	6.650	2.55	12.650	1.55	18.65	0.78
0.667	0.60	6.667	2.55	12.667	1.55	18.67	0.78
0.683	0.61	6.683	2.88	12.683	1.50	18.68	0.77
0.700	0.61	6.700	2.88	12.700	1.50	18.70	0.77
0.717	0.61	6.717	2.88	12.717	1.50	18.72	0.77
0.733	0.61	6.733	2.88	12.733	1.50	18.73	0.77
0.750	0.61	6.750	2.88	12.750	1.50	18.75	0.77
0.767	0.61	6.767	2.88	12.767	1.50	18.77	0.77
0.783	0.61	6.783	2.88	12.783	1.50	18.78	0.77
0.800	0.61	6.800	2.88	12.800	1.50	18.80	0.77
0.817	0.61	6.817	2.88	12.817	1.50	18.82	0.77
0.833	0.61	6.833	2.88	12.833	1.50	18.83	0.77
0.850	0.63	6.850	3.31	12.850	1.46	18.85	0.76
0.867	0.63	6.867	3.31	12.867	1.46	18.87	0.76
0.883	0.63	6.883	3.31	12.883	1.46	18.88	0.76
0.900	0.63	6.900	3.31	12.900	1.46	18.90	0.76
0.917	0.63	6.917	3.31	12.917	1.46	18.92	0.76
0.933	0.63	6.933	3.31	12.933	1.46	18.93	0.76
0.950	0.63	6.950	3.31	12.950	1.46	18.95	0.76
0.967	0.63	6.967	3.31	12.967	1.46	18.97	0.76
0.983	0.63	6.983	3.31	12.983	1.46	18.98	0.76
1.000	0.63	7.000	3.31	13.000	1.46	19.00	0.76
1.017	0.64	7.017	3.92	13.017	1.42	19.02	0.75
1.033	0.64	7.033	3.92	13.033	1.42	19.03	0.75
1.050	0.64	7.050	3.92	13.050	1.42	19.05	0.75
1.067	0.64	7.067	3.92	13.067	1.42	19.07	0.75

1.083	0.64	7.083	3.92	13.083	1.42	19.08	0.75
1.100	0.64	7.100	3.92	13.100	1.42	19.10	0.75
1.117	0.64	7.117	3.92	13.117	1.42	19.12	0.75
1.133	0.64	7.133	3.92	13.133	1.42	19.13	0.75
1.150	0.64	7.150	3.92	13.150	1.42	19.15	0.75
1.167	0.64	7.167	3.92	13.167	1.42	19.17	0.75
1.183	0.65	7.183	4.85	13.183	1.38	19.18	0.74
1.200	0.65	7.200	4.85	13.200	1.38	19.20	0.74
1.217	0.65	7.217	4.85	13.217	1.38	19.22	0.74
1.233	0.65	7.233	4.85	13.233	1.38	19.23	0.74
1.250	0.65	7.250	4.85	13.250	1.38	19.25	0.74
1.267	0.65	7.267	4.85	13.267	1.38	19.27	0.74
1.283	0.65	7.283	4.85	13.283	1.38	19.28	0.74
1.300	0.65	7.300	4.85	13.300	1.38	19.30	0.74
1.317	0.65	7.317	4.85	13.317	1.38	19.32	0.74
1.333	0.65	7.333	4.85	13.333	1.38	19.33	0.74
1.350	0.67	7.350	6.45	13.350	1.35	19.35	0.73
1.367	0.67	7.367	6.45	13.367	1.35	19.37	0.73
1.383	0.67	7.383	6.45	13.383	1.35	19.38	0.73
1.400	0.67	7.400	6.45	13.400	1.35	19.40	0.73
1.417	0.67	7.417	6.45	13.417	1.35	19.42	0.73
1.433	0.67	7.433	6.45	13.433	1.35	19.43	0.73
1.450	0.67	7.450	6.45	13.450	1.35	19.45	0.73
1.467	0.67	7.467	6.45	13.467	1.35	19.47	0.73
1.483	0.67	7.483	6.45	13.483	1.35	19.48	0.73
1.500	0.67	7.500	6.46	13.500	1.35	19.50	0.73
1.517	0.68	7.517	9.95	13.517	1.31	19.52	0.72
1.533	0.68	7.533	9.95	13.533	1.31	19.53	0.72
1.550	0.68	7.550	9.95	13.550	1.31	19.55	0.72
1.567	0.68	7.567	9.95	13.567	1.31	19.57	0.72
1.583	0.68	7.583	9.95	13.583	1.31	19.58	0.72
1.600	0.68	7.600	9.95	13.600	1.31	19.60	0.72
1.617	0.68	7.617	9.95	13.617	1.31	19.62	0.72
1.633	0.68	7.633	9.95	13.633	1.31	19.63	0.72
1.650	0.68	7.650	9.95	13.650	1.31	19.65	0.72
1.667	0.68	7.667	9.99	13.667	1.31	19.67	0.72
1.683	0.70	7.683	24.45	13.683	1.28	19.68	0.72
1.700	0.70	7.700	24.45	13.700	1.28	19.70	0.72
1.717	0.70	7.717	24.45	13.717	1.28	19.72	0.72
1.733	0.70	7.733	24.45	13.733	1.28	19.73	0.72
1.750	0.70	7.750	24.45	13.750	1.28	19.75	0.72
1.767	0.70	7.767	24.45	13.767	1.28	19.77	0.72
1.783	0.70	7.783	24.45	13.783	1.28	19.78	0.72
1.800	0.70	7.800	24.45	13.800	1.28	19.80	0.72
1.817	0.70	7.817	24.45	13.817	1.28	19.82	0.72
1.833	0.70	7.833	24.68	13.833	1.28	19.83	0.72
1.850	0.71	7.850	105.25	13.850	1.25	19.85	0.71
1.867	0.71	7.867	105.25	13.867	1.25	19.87	0.71
1.883	0.71	7.883	105.25	13.883	1.25	19.88	0.71
1.900	0.71	7.900	105.25	13.900	1.25	19.90	0.71
1.917	0.71	7.917	105.25	13.917	1.25	19.92	0.71
1.933	0.71	7.933	105.25	13.933	1.25	19.93	0.71
1.950	0.71	7.950	105.25	13.950	1.25	19.95	0.71
1.967	0.71	7.967	105.25	13.967	1.25	19.97	0.71
1.983	0.71	7.983	105.25	13.983	1.25	19.98	0.71
2.000	0.71	8.000	105.04	14.000	1.25	20.00	0.71
2.017	0.73	8.017	32.26	14.017	1.23	20.02	0.70
2.033	0.73	8.033	32.26	14.033	1.23	20.03	0.70
2.050	0.73	8.050	32.26	14.050	1.23	20.05	0.70
2.067	0.73	8.067	32.26	14.067	1.23	20.07	0.70
2.083	0.73	8.083	32.26	14.083	1.23	20.08	0.70
2.100	0.73	8.100	32.26	14.100	1.23	20.10	0.70
2.117	0.73	8.117	32.26	14.117	1.23	20.12	0.70
2.133	0.73	8.133	32.26	14.133	1.23	20.13	0.70
2.150	0.73	8.150	32.26	14.150	1.23	20.15	0.70
2.167	0.73	8.167	32.21	14.167	1.23	20.17	0.70
2.183	0.75	8.183	16.67	14.183	1.20	20.18	0.69
2.200	0.75	8.200	16.67	14.200	1.20	20.20	0.69
2.217	0.75	8.217	16.67	14.217	1.20	20.22	0.69
2.233	0.75	8.233	16.67	14.233	1.20	20.23	0.69
2.250	0.75	8.250	16.67	14.250	1.20	20.25	0.69
2.267	0.75	8.267	16.67	14.267	1.20	20.27	0.69
2.283	0.75	8.283	16.67	14.283	1.20	20.28	0.69
2.300	0.75	8.300	16.67	14.300	1.20	20.30	0.69
2.317	0.75	8.317	16.67	14.317	1.20	20.32	0.69
2.333	0.75	8.333	16.66	14.333	1.20	20.33	0.69
2.350	0.76	8.350	11.31	14.350	1.17	20.35	0.69
2.367	0.76	8.367	11.31	14.367	1.17	20.37	0.69
2.383	0.76	8.383	11.31	14.383	1.17	20.38	0.69
2.400	0.76	8.400	11.31	14.400	1.17	20.40	0.69
2.417	0.76	8.417	11.31	14.417	1.17	20.42	0.69
2.433	0.76	8.433	11.31	14.433	1.17	20.43	0.69
2.450	0.76	8.450	11.31	14.450	1.17	20.45	0.69
2.467	0.76	8.467	11.31	14.467	1.17	20.47	0.69
2.483	0.76	8.483	11.31	14.483	1.17	20.48	0.69
2.500	0.76	8.500	11.30	14.500	1.17	20.50	0.69
2.517	0.78	8.517	8.62	14.517	1.15	20.52	0.68
2.533	0.78	8.533	8.62	14.533	1.15	20.53	0.68
2.550	0.78	8.550	8.62	14.550	1.15	20.55	0.68
2.567	0.78	8.567	8.62	14.567	1.15	20.57	0.68
2.583	0.78	8.583	8.62	14.583	1.15	20.58	0.68
2.600	0.78	8.600	8.62	14.600	1.15	20.60	0.68
2.617	0.78	8.617	8.62	14.617	1.15	20.62	0.68
2.633	0.78	8.633	8.62	14.633	1.15	20.63	0.68
2.650	0.78	8.650	8.62	14.650	1.15	20.65	0.68
2.667	0.78	8.667	8.61	14.667	1.15	20.67	0.68
2.683	0.80	8.683	7.00	14.683	1.13	20.68	0.67
2.700	0.80	8.700	7.00	14.700	1.13	20.70	0.67
2.717	0.80	8.717	7.00	14.717	1.13	20.72	0.67
2.733	0.80	8.733	7.00	14.733	1.13	20.73	0.67
2.750	0.80	8.750	7.00	14.750	1.13	20.75	0.67
2.767	0.80	8.767	7.00	14.767	1.13	20.77	0.67
2.783	0.80	8.783	7.00	14.783	1.13	20.78	0.67
2.800	0.80	8.800	7.00	14.800	1.13	20.80	0.67
2.817	0.80	8.817	7.00	14.817	1.13	20.82	0.67
2.833	0.80	8.833	7.00	14.833	1.13	20.83	0.67
2.850	0.83	8.850	5.92	14.850	1.10	20.85	0.66
2.867	0.83	8.867	5.92	14.867	1.10	20.87	0.66
2.883	0.83	8.883	5.92	14.883	1.10	20.88	0.66
2.900	0.83	8.900	5.92	14.900	1.10	20.90	0.66
2.917	0.83	8.917	5.92	14.917	1.10	20.92	0.66
2.933	0.83	8.933	5.92	14.933	1.10	20.93	0.66
2.950	0.83	8.950	5.92	14.950	1.10	20.95	0.66
2.967	0.83	8.967	5.92	14.967	1.10	20.97	0.66
2.983	0.83	8.983	5.92	14.983	1.10	20.98	0.66
3.000	0.83	9.000	5.92	15.000	1.10	21.00	0.66
3.017	0.85	9.017	5.14	15.017	1.08	21.02	0.66
3.033	0.85	9.033	5.14	15.033	1.08	21.03	0.66
3.050	0.85	9.050	5.14	15.050	1.08	21.05	0.66
3.067	0.85	9.067	5.14	15.067	1.08	21.07	0.66
3.083	0.85	9.083	5.14	15.083	1.08	21.08	0.66
3.100	0.85	9.100	5.14	15.100	1.08	21.10	0.66
3.117	0.85	9.117	5.14	15.117	1.08	21.12	0.66
3.133	0.85	9.133	5.14	15.133	1.08	21.13	0.66
3.150	0.85	9.150	5.14	15.150	1.08	21.15	0.66
3.167	0.85	9.167	5.14	15.167	1.08	21.17	0.66
3.183	0.88	9.183	4.56	15.183	1.06	21.18	0.65
3.200	0.88	9.200	4.56	15.200	1.06	21.20	0.65
3.217	0.88	9.217	4.56	15.217	1.06	21.22	0.65
3.233	0.88	9.233	4.56	15.233	1.06	21.23	0.65
3.250	0.88	9.250	4.56	15.250	1.06	21.25	0.65
3.267	0.88	9.267	4.56	15.267	1.06	21.27	0.65
3.283	0.88	9.283	4.56	15.283	1.06	21.28	0.65
3.300	0.88	9.300	4.56	15.300	1.06	21.30	0.65
3.317	0.88	9.317	4.56	15.317	1.06	21.32	0.65
3.333	0.88	9.333	4.56	15.333	1.06	21.33	0.65
3.350	0.90	9.350	4.11	15.350	1.04	21.35	0.64
3.367	0.90	9.367	4.11	15.367	1.04	21.37	0.64
3.383	0.90	9.383	4.11	15.383	1.04	21.38	0.64
3.400	0.90	9.400	4.11	15.400	1.04	21.40	0.64
3.417	0.90	9.417	4.11	15.417	1.04	21.42	0.64
3.433	0.90	9.433	4.11	15.433	1.04	21.43	0.64
3.450	0.90	9.450	4.11	15.450	1.04	21.45	0.64
3.467	0.90	9.467	4.11	15.467	1.04	21.47	0.64
3.483	0.90	9.483	4.11	15.483	1.04	21.48	0.64
3.500	0.90	9.500	4.10	15.500	1.04	21.50	0.64
3.517	0.93	9.517	3.74	15.517	1.02	21.52	0.64
3.533	0.93	9.533	3.74	15.533	1.02	21.53	0.64
3.550	0.93	9.550	3.74	15.550	1.02	21.55	0.64
3.567	0.93	9.567	3.74	15.567	1.02	21.57	0.64
3.583	0.93	9.583	3.74	15.583	1.02	21.58	0.64
3.600	0.93	9.600	3.74	15.600	1.02	21.60	0.64
3.617	0.93	9.617	3.74	15.617	1.02	21.62	0.64
3.633	0.93	9.633	3.74	15.633	1.02	21.63	0.64
3.650	0.93	9.650	3.74	15.650	1.02	21.65	0.64
3.667	0.93	9.667	3.74	15.667	1.02	21.67	0.64
3.683	0.96	9.683	3.44	15.683	1.01	21.68	0.63
3.700	0.96	9.700	3.44	15.700	1.01	21.70	0.63
3.717	0.96	9.717	3.44	15.717	1.01	21.72	0.63
3.733	0.96	9.733	3.44	15.733	1.01	21.73	0.63
3.750	0.96	9.750	3.44	15.750	1.01	21.75	0.63
3.767	0.96	9.767	3.44	15.767	1.01	21.77	0.63
3.783	0.96	9.783	3.44	15.783	1.01	21.78	0.63
3.800	0.96	9.800	3.44	15.800	1.01	21.80	0.63
3.817	0.96	9.817	3.44	15.817	1.01	21.82	0.63
3.833	0.96	9.833	3.44	15.833	1.01	21.83	0.63
3.850	1.00	9.850	3.19	15.850	0.99	21.85	0.62
3.867	1.00	9.867	3.19	15.867	0.99	21.87	0.62
3.883	1.00	9.883	3.19	15.883	0.99	21.88	0.62
3.900	1.00	9.900	3.19	15.900	0.99	21.90	0.62
3.917	1.00	9.917	3.19	15.917	0.99	21.92	0.62
3.933	1.00	9.933	3.19	15.933	0.99	21.93	0.62
3.950	1.00	9.950	3.19	15.950	0.99	21.95	0.62
3.967	1.00	9.967	3.19	15.967	0.99	21.97	0.62
3.983	1.00	9.983	3.19	15.983	0.99	21.98	0.62
4.000	1.00	10.000	3.19	16.000	0.99	22.00	0.62
4.017	1.03	10.017	2.97	16.017	0.97	22.02	0.62
4.033	1.03	10.033	2.97	16.033	0.97	22.03	0.62
4.050	1.03	10.050	2.97	16.050	0.97	22.05	0.62
4.067	1.03	10.067	2.97	16.067	0.97	22.07	0.62
4.083	1.03	10.083	2.97	16.083	0.97	22.08	0.62
4.100	1.03	10.100	2.97	16.100	0.97	22.10	0.62
4.117	1.03	10.117	2.97	16.117	0.97	22.12	0.62
4.133	1.03	10.133	2.97	16.133	0.97	22.13	0.62
4.150	1.03	10.150	2.97	16.150	0.97	22.15	0.62
4.167	1.03	10.167	2.97	16.167	0.97	22.17	0.62
4.183	1.07	10.183	2.79	16.183	0.96	22.18	0.61
4.200	1.07	10.200	2.79	16.200	0.96	22.20	0.61
4.217	1.07	10.217	2.79	16.217	0.96	22.22	0.61
4.233	1.07	10.233	2.79	16.233	0.96	22.23	0.61
4.250	1.07	10.250	2.79	16.250	0.96	22.25	0.61
4.267	1.07	10.267	2.79	16.267	0.96	22.27	0.61
4.283	1.07	10.283	2.79	16.283	0.96	22.28	0.61
4.300	1.07	10.300	2.79	16.300	0.96	22.30	0.61
4.317	1.07	10.317	2.79	16.317	0.96	22.32	0.61
4.333	1.07	10.333	2.79	16.333	0.96	22.33	0.61
4.350	1.11	10.350	2.63	16.350	0.94	22.35	0.61
4.367	1.11	10.367	2.63	16.367	0.94	22.37	0.61
4.383	1.11	10.383	2.63	16.383	0.94	22.38	0.61
4.400	1.11	10.400	2.63	16.400	0.94	22.40	0.61

4.417	1.11	10.417	2.63	16.417	0.94	22.42	0.61
4.433	1.11	10.433	2.63	16.433	0.94	22.43	0.61
4.450	1.11	10.450	2.63	16.450	0.94	22.45	0.61
4.467	1.11	10.467	2.63	16.467	0.94	22.47	0.61
4.483	1.11	10.483	2.63	16.483	0.94	22.48	0.61
4.500	1.11	10.500	2.62	16.500	0.94	22.50	0.61
4.517	1.16	10.517	2.48	16.517	0.92	22.52	0.60
4.533	1.16	10.533	2.48	16.533	0.92	22.53	0.60
4.550	1.16	10.550	2.48	16.550	0.92	22.55	0.60
4.567	1.16	10.567	2.48	16.567	0.92	22.57	0.60
4.583	1.16	10.583	2.48	16.583	0.92	22.58	0.60
4.600	1.16	10.600	2.48	16.600	0.92	22.60	0.60
4.617	1.16	10.617	2.48	16.617	0.92	22.62	0.60
4.633	1.16	10.633	2.48	16.633	0.92	22.63	0.60
4.650	1.16	10.650	2.48	16.650	0.92	22.65	0.60
4.667	1.16	10.667	2.48	16.667	0.92	22.67	0.60
4.683	1.21	10.683	2.36	16.683	0.91	22.68	0.60
4.700	1.21	10.700	2.36	16.700	0.91	22.70	0.60
4.717	1.21	10.717	2.36	16.717	0.91	22.72	0.60
4.733	1.21	10.733	2.36	16.733	0.91	22.73	0.60
4.750	1.21	10.750	2.36	16.750	0.91	22.75	0.60
4.767	1.21	10.767	2.36	16.767	0.91	22.77	0.60
4.783	1.21	10.783	2.36	16.783	0.91	22.78	0.60
4.800	1.21	10.800	2.36	16.800	0.91	22.80	0.60
4.817	1.21	10.817	2.36	16.817	0.91	22.82	0.60
4.833	1.21	10.833	2.36	16.833	0.91	22.83	0.60
4.850	1.27	10.850	2.25	16.850	0.90	22.85	0.59
4.867	1.27	10.867	2.25	16.867	0.90	22.87	0.59
4.883	1.27	10.883	2.25	16.883	0.90	22.88	0.59
4.900	1.27	10.900	2.25	16.900	0.90	22.90	0.59
4.917	1.27	10.917	2.25	16.917	0.90	22.92	0.59
4.933	1.27	10.933	2.25	16.933	0.90	22.93	0.59
4.950	1.27	10.950	2.25	16.950	0.90	22.95	0.59
4.967	1.27	10.967	2.25	16.967	0.90	22.97	0.59
4.983	1.27	10.983	2.25	16.983	0.90	22.98	0.59
5.000	1.27	11.000	2.25	17.000	0.90	23.00	0.59
5.017	1.33	11.017	2.14	17.017	0.88	23.02	0.59
5.033	1.33	11.033	2.14	17.033	0.88	23.03	0.59
5.050	1.33	11.050	2.14	17.050	0.88	23.05	0.59
5.067	1.33	11.067	2.14	17.067	0.88	23.07	0.59
5.083	1.33	11.083	2.14	17.083	0.88	23.08	0.59
5.100	1.33	11.100	2.14	17.100	0.88	23.10	0.59
5.117	1.33	11.117	2.14	17.117	0.88	23.12	0.59
5.133	1.33	11.133	2.14	17.133	0.88	23.13	0.59
5.150	1.33	11.150	2.14	17.150	0.88	23.15	0.59
5.167	1.33	11.167	2.14	17.167	0.88	23.17	0.59
5.183	1.40	11.183	2.05	17.183	0.87	23.18	0.58
5.200	1.40	11.200	2.05	17.200	0.87	23.20	0.58
5.217	1.40	11.217	2.05	17.217	0.87	23.22	0.58
5.233	1.40	11.233	2.05	17.233	0.87	23.23	0.58
5.250	1.40	11.250	2.05	17.250	0.87	23.25	0.58
5.267	1.40	11.267	2.05	17.267	0.87	23.27	0.58
5.283	1.40	11.283	2.05	17.283	0.87	23.28	0.58
5.300	1.40	11.300	2.05	17.300	0.87	23.30	0.58
5.317	1.40	11.317	2.05	17.317	0.87	23.32	0.58
5.333	1.40	11.333	2.05	17.333	0.87	23.33	0.58
5.350	1.48	11.350	1.97	17.350	0.86	23.35	0.57
5.367	1.48	11.367	1.97	17.367	0.86	23.37	0.57
5.383	1.48	11.383	1.97	17.383	0.86	23.38	0.57
5.400	1.48	11.400	1.97	17.400	0.86	23.40	0.57
5.417	1.48	11.417	1.97	17.417	0.86	23.42	0.57
5.433	1.48	11.433	1.97	17.433	0.86	23.43	0.57
5.450	1.48	11.450	1.97	17.450	0.86	23.45	0.57
5.467	1.48	11.467	1.97	17.467	0.86	23.47	0.57
5.483	1.48	11.483	1.97	17.483	0.86	23.48	0.57
5.500	1.48	11.500	1.97	17.500	0.86	23.50	0.57
5.517	1.57	11.517	1.89	17.517	0.85	23.52	0.57
5.533	1.57	11.533	1.89	17.533	0.85	23.53	0.57
5.550	1.57	11.550	1.89	17.550	0.85	23.55	0.57
5.567	1.57	11.567	1.89	17.567	0.85	23.57	0.57
5.583	1.57	11.583	1.89	17.583	0.85	23.58	0.57
5.600	1.57	11.600	1.89	17.600	0.85	23.60	0.57
5.617	1.57	11.617	1.89	17.617	0.85	23.62	0.57
5.633	1.57	11.633	1.89	17.633	0.85	23.63	0.57
5.650	1.57	11.650	1.89	17.650	0.85	23.65	0.57
5.667	1.57	11.667	1.89	17.667	0.85	23.67	0.57
5.683	1.67	11.683	1.82	17.683	0.83	23.68	0.57
5.700	1.67	11.700	1.82	17.700	0.83	23.70	0.57
5.717	1.67	11.717	1.82	17.717	0.83	23.72	0.57
5.733	1.67	11.733	1.82	17.733	0.83	23.73	0.57
5.750	1.67	11.750	1.82	17.750	0.83	23.75	0.57
5.767	1.67	11.767	1.82	17.767	0.83	23.77	0.57
5.783	1.67	11.783	1.82	17.783	0.83	23.78	0.57
5.800	1.67	11.800	1.82	17.800	0.83	23.80	0.57
5.817	1.67	11.817	1.82	17.817	0.83	23.82	0.57
5.833	1.67	11.833	1.82	17.833	0.83	23.83	0.57
5.850	1.79	11.850	1.76	17.850	0.82	23.85	0.56
5.867	1.79	11.867	1.76	17.867	0.82	23.87	0.56
5.883	1.79	11.883	1.76	17.883	0.82	23.88	0.56
5.900	1.79	11.900	1.76	17.900	0.82	23.90	0.56
5.917	1.79	11.917	1.76	17.917	0.82	23.92	0.56
5.933	1.79	11.933	1.76	17.933	0.82	23.93	0.56
5.950	1.79	11.950	1.76	17.950	0.82	23.95	0.56
5.967	1.79	11.967	1.76	17.967	0.82	23.97	0.56
5.983	1.79	11.983	1.76	17.983	0.82	23.98	0.56
6.000	1.79	12.000	1.76	18.000	0.82	24.00	0.56

Max.Eff.Inten.(mm/hr)=	105.25	54.30	
over (min)	5.00	8.00	
Storage Coeff. (min)=	5.05 (ii)	7.92 (ii)	

Unit Hyd. Tpeak (min)=	5.00	8.00	
Unit Hyd. peak (cms)=	0.22	0.14	
			TOTALS
PEAK FLOW (cms)=	3.42	0.16	3.560 (iii)
TIME TO PEAK (hrs)=	8.02	8.08	8.02
RUNOFF VOLUME (mm)=	66.04	36.02	63.04
TOTAL RAINFALL (mm)=	67.05	67.05	67.05
RUNOFF COEFFICIENT =	0.98	0.54	0.94

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

CALIB			
STANDHYD (0013)	Area (ha)=	2.56	
ID= 1 DT= 1.0 min	Total Imp(%)=	99.00	Dir. Conn.(%)= 99.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	2.53	0.03
Dep. Storage	(mm)=	1.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	130.64	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.57	6.017	1.93	12.017	1.70	18.02	0.81
0.033	0.57	6.033	1.93	12.033	1.70	18.03	0.81
0.050	0.57	6.050	1.93	12.050	1.70	18.05	0.81
0.067	0.57	6.067	1.93	12.067	1.70	18.07	0.81
0.083	0.57	6.083	1.93	12.083	1.70	18.08	0.81
0.100	0.57	6.100	1.93	12.100	1.70	18.10	0.81
0.117	0.57	6.117	1.93	12.117	1.70	18.12	0.81
0.133	0.57	6.133	1.93	12.133	1.70	18.13	0.81
0.150	0.57	6.150	1.93	12.150	1.70	18.15	0.81
0.167	0.57	6.167	1.93	12.167	1.70	18.17	0.81
0.183	0.58	6.183	2.10	12.183	1.64	18.18	0.80
0.200	0.58	6.200	2.10	12.200	1.64	18.20	0.80
0.217	0.58	6.217	2.10	12.217	1.64	18.22	0.80
0.233	0.58	6.233	2.10	12.233	1.64	18.23	0.80
0.250	0.58	6.250	2.10	12.250	1.64	18.25	0.80
0.267	0.58	6.267	2.10	12.267	1.64	18.27	0.80
0.283	0.58	6.283	2.10	12.283	1.64	18.28	0.80
0.300	0.58	6.300	2.10	12.300	1.64	18.30	0.80
0.317	0.58	6.317	2.10	12.317	1.64	18.32	0.80
0.333	0.58	6.333	2.10	12.333	1.64	18.33	0.80
0.350	0.59	6.350	2.30	12.350	1.59	18.35	0.79
0.367	0.59	6.367	2.30	12.367	1.59	18.37	0.79
0.383	0.59	6.383	2.30	12.383	1.59	18.38	0.79
0.400	0.59	6.400	2.30	12.400	1.59	18.40	0.79
0.417	0.59	6.417	2.30	12.417	1.59	18.42	0.79
0.433	0.59	6.433	2.30	12.433	1.59	18.43	0.79
0.450	0.59	6.450	2.30	12.450	1.59	18.45	0.79
0.467	0.59	6.467	2.30	12.467	1.59	18.47	0.79
0.483	0.59	6.483	2.30	12.483	1.59	18.48	0.79
0.500	0.59	6.500	2.30	12.500	1.59	18.50	0.79
0.517	0.60	6.517	2.55	12.517	1.55	18.52	0.78
0.533	0.60	6.533	2.55	12.533	1.55	18.53	0.78
0.550	0.60	6.550	2.55	12.550	1.55	18.55	0.78
0.567	0.60	6.567	2.55	12.567	1.55	18.57	0.78
0.583	0.60	6.583	2.55	12.583	1.55	18.58	0.78
0.600	0.60	6.600	2.55	12.600	1.55	18.60	0.78
0.617	0.60	6.617	2.55	12.617	1.55	18.62	0.78
0.633	0.60	6.633	2.55	12.633	1.55	18.63	0.78
0.650	0.60	6.650	2.55	12.650	1.55	18.65	0.78
0.667	0.60	6.667	2.55	12.667	1.55	18.67	0.78
0.683	0.61	6.683	2.88	12.683	1.50	18.68	0.77
0.700	0.61	6.700	2.88	12.700	1.50	18.70	0.77
0.717	0.61	6.717	2.88	12.717	1.50	18.72	0.77
0.733	0.61	6.733	2.88	12.733	1.50	18.73	0.77
0.750	0.61	6.750	2.88	12.750	1.50	18.75	0.77
0.767	0.61	6.767	2.88	12.767	1.50	18.77	0.77
0.783	0.61	6.783	2.88	12.783	1.50	18.78	0.77
0.800	0.61	6.800	2.88	12.800	1.50	18.80	0.77
0.817	0.61	6.817	2.88	12.817	1.50	18.82	0.77
0.833	0.61	6.833	2.88	12.833	1.50	18.83	0.77
0.850	0.63	6.850	3.31	12.850	1.46	18.85	0.76
0.867	0.63	6.867	3.31	12.867	1.46	18.87	0.76
0.883	0.63	6.883	3.31	12.883	1.46	18.88	0.76
0.900	0.63	6.900	3.31	12.900	1.46	18.90	0.76
0.917	0.63	6.917	3.31	12.917	1.46	18.92	0.76
0.933	0.63	6.933	3.31	12.933	1.46	18.93	0.76
0.950	0.63	6.950	3.31	12.950	1.46	18.95	0.76
0.967	0.63	6.967	3.31	12.967	1.46	18.97	0.76
0.983	0.63	6.983	3.31	12.983	1.46	18.98	0.76
1.000	0.63	7.000	3.31	13.000	1.46	19.00	0.76
1.017	0.64	7.017	3.92	13.017	1.42	19.02	0.75
1.033	0.64	7.033	3.92	13.033	1.42	19.03	0.75
1.050	0.64	7.050	3.92	13.050	1.42	19.05	0.75
1.067	0.64	7.067	3.92	13.067	1.42	19.07	0.75
1.083	0.64	7.083	3.92	13.083	1.42	19.08	0.75

1.100	0.64	7.100	3.92	13.100	1.42	19.10	0.75
1.117	0.64	7.117	3.92	13.117	1.42	19.12	0.75
1.133	0.64	7.133	3.92	13.133	1.42	19.13	0.75
1.150	0.64	7.150	3.92	13.150	1.42	19.15	0.75
1.167	0.64	7.167	3.92	13.167	1.42	19.17	0.75
1.183	0.65	7.183	4.85	13.183	1.38	19.18	0.74
1.200	0.65	7.200	4.85	13.200	1.38	19.20	0.74
1.217	0.65	7.217	4.85	13.217	1.38	19.22	0.74
1.233	0.65	7.233	4.85	13.233	1.38	19.23	0.74
1.250	0.65	7.250	4.85	13.250	1.38	19.25	0.74
1.267	0.65	7.267	4.85	13.267	1.38	19.27	0.74
1.283	0.65	7.283	4.85	13.283	1.38	19.28	0.74
1.300	0.65	7.300	4.85	13.300	1.38	19.30	0.74
1.317	0.65	7.317	4.85	13.317	1.38	19.32	0.74
1.333	0.65	7.333	4.85	13.333	1.38	19.33	0.74
1.350	0.67	7.350	6.45	13.350	1.35	19.35	0.73
1.367	0.67	7.367	6.45	13.367	1.35	19.37	0.73
1.383	0.67	7.383	6.45	13.383	1.35	19.38	0.73
1.400	0.67	7.400	6.45	13.400	1.35	19.40	0.73
1.417	0.67	7.417	6.45	13.417	1.35	19.42	0.73
1.433	0.67	7.433	6.45	13.433	1.35	19.43	0.73
1.450	0.67	7.450	6.45	13.450	1.35	19.45	0.73
1.467	0.67	7.467	6.45	13.467	1.35	19.47	0.73
1.483	0.67	7.483	6.45	13.483	1.35	19.48	0.73
1.500	0.67	7.500	6.46	13.500	1.35	19.50	0.73
1.517	0.68	7.517	9.95	13.517	1.31	19.52	0.72
1.533	0.68	7.533	9.95	13.533	1.31	19.53	0.72
1.550	0.68	7.550	9.95	13.550	1.31	19.55	0.72
1.567	0.68	7.567	9.95	13.567	1.31	19.57	0.72
1.583	0.68	7.583	9.95	13.583	1.31	19.58	0.72
1.600	0.68	7.600	9.95	13.600	1.31	19.60	0.72
1.617	0.68	7.617	9.95	13.617	1.31	19.62	0.72
1.633	0.68	7.633	9.95	13.633	1.31	19.63	0.72
1.650	0.68	7.650	9.95	13.650	1.31	19.65	0.72
1.667	0.68	7.667	9.99	13.667	1.31	19.67	0.72
1.683	0.70	7.683	24.45	13.683	1.28	19.68	0.72
1.700	0.70	7.700	24.45	13.700	1.28	19.70	0.72
1.717	0.70	7.717	24.45	13.717	1.28	19.72	0.72
1.733	0.70	7.733	24.45	13.733	1.28	19.73	0.72
1.750	0.70	7.750	24.45	13.750	1.28	19.75	0.72
1.767	0.70	7.767	24.45	13.767	1.28	19.77	0.72
1.783	0.70	7.783	24.45	13.783	1.28	19.78	0.72
1.800	0.70	7.800	24.45	13.800	1.28	19.80	0.72
1.817	0.70	7.817	24.45	13.817	1.28	19.82	0.72
1.833	0.70	7.833	24.68	13.833	1.28	19.83	0.72
1.850	0.71	7.850	105.25	13.850	1.25	19.85	0.71
1.867	0.71	7.867	105.25	13.867	1.25	19.87	0.71
1.883	0.71	7.883	105.25	13.883	1.25	19.88	0.71
1.900	0.71	7.900	105.25	13.900	1.25	19.90	0.71
1.917	0.71	7.917	105.25	13.917	1.25	19.92	0.71
1.933	0.71	7.933	105.25	13.933	1.25	19.93	0.71
1.950	0.71	7.950	105.25	13.950	1.25	19.95	0.71
1.967	0.71	7.967	105.25	13.967	1.25	19.97	0.71
1.983	0.71	7.983	105.25	13.983	1.25	19.98	0.71
2.000	0.71	8.000	105.04	14.000	1.25	20.00	0.71
2.017	0.73	8.017	32.26	14.017	1.23	20.02	0.70
2.033	0.73	8.033	32.26	14.033	1.23	20.03	0.70
2.050	0.73	8.050	32.26	14.050	1.23	20.05	0.70
2.067	0.73	8.067	32.26	14.067	1.23	20.07	0.70
2.083	0.73	8.083	32.26	14.083	1.23	20.08	0.70
2.100	0.73	8.100	32.26	14.100	1.23	20.10	0.70
2.117	0.73	8.117	32.26	14.117	1.23	20.12	0.70
2.133	0.73	8.133	32.26	14.133	1.23	20.13	0.70
2.150	0.73	8.150	32.26	14.150	1.23	20.15	0.70
2.167	0.73	8.167	32.21	14.167	1.23	20.17	0.70
2.183	0.75	8.183	16.67	14.183	1.20	20.18	0.69
2.200	0.75	8.200	16.67	14.200	1.20	20.20	0.69
2.217	0.75	8.217	16.67	14.217	1.20	20.22	0.69
2.233	0.75	8.233	16.67	14.233	1.20	20.23	0.69
2.250	0.75	8.250	16.67	14.250	1.20	20.25	0.69
2.267	0.75	8.267	16.67	14.267	1.20	20.27	0.69
2.283	0.75	8.283	16.67	14.283	1.20	20.28	0.69
2.300	0.75	8.300	16.67	14.300	1.20	20.30	0.69
2.317	0.75	8.317	16.67	14.317	1.20	20.32	0.69
2.333	0.75	8.333	16.66	14.333	1.20	20.33	0.69
2.350	0.76	8.350	11.31	14.350	1.17	20.35	0.69
2.367	0.76	8.367	11.31	14.367	1.17	20.37	0.69
2.383	0.76	8.383	11.31	14.383	1.17	20.38	0.69
2.400	0.76	8.400	11.31	14.400	1.17	20.40	0.69
2.417	0.76	8.417	11.31	14.417	1.17	20.42	0.69
2.433	0.76	8.433	11.31	14.433	1.17	20.43	0.69
2.450	0.76	8.450	11.31	14.450	1.17	20.45	0.69
2.467	0.76	8.467	11.31	14.467	1.17	20.47	0.69
2.483	0.76	8.483	11.31	14.483	1.17	20.48	0.69
2.500	0.76	8.500	11.30	14.500	1.17	20.50	0.69
2.517	0.78	8.517	8.62	14.517	1.15	20.52	0.68
2.533	0.78	8.533	8.62	14.533	1.15	20.53	0.68
2.550	0.78	8.550	8.62	14.550	1.15	20.55	0.68
2.567	0.78	8.567	8.62	14.567	1.15	20.57	0.68
2.583	0.78	8.583	8.62	14.583	1.15	20.58	0.68
2.600	0.78	8.600	8.62	14.600	1.15	20.60	0.68
2.617	0.78	8.617	8.62	14.617	1.15	20.62	0.68
2.633	0.78	8.633	8.62	14.633	1.15	20.63	0.68
2.650	0.78	8.650	8.62	14.650	1.15	20.65	0.68
2.667	0.78	8.667	8.61	14.667	1.15	20.67	0.68
2.683	0.80	8.683	7.00	14.683	1.13	20.68	0.67
2.700	0.80	8.700	7.00	14.700	1.13	20.70	0.67
2.717	0.80	8.717	7.00	14.717	1.13	20.72	0.67
2.733	0.80	8.733	7.00	14.733	1.13	20.73	0.67
2.750	0.80	8.750	7.00	14.750	1.13	20.75	0.67
2.767	0.80	8.767	7.00	14.767	1.13	20.77	0.67
2.783	0.80	8.783	7.00	14.783	1.13	20.78	0.67
2.800	0.80	8.800	7.00	14.800	1.13	20.80	0.67
2.817	0.80	8.817	7.00	14.817	1.13	20.82	0.67
2.833	0.80	8.833	7.00	14.833	1.13	20.83	0.67
2.850	0.83	8.850	5.92	14.850	1.10	20.85	0.66
2.867	0.83	8.867	5.92	14.867	1.10	20.87	0.66
2.883	0.83	8.883	5.92	14.883	1.10	20.88	0.66
2.900	0.83	8.900	5.92	14.900	1.10	20.90	0.66
2.917	0.83	8.917	5.92	14.917	1.10	20.92	0.66
2.933	0.83	8.933	5.92	14.933	1.10	20.93	0.66
2.950	0.83	8.950	5.92	14.950	1.10	20.95	0.66
2.967	0.83	8.967	5.92	14.967	1.10	20.97	0.66
2.983	0.83	8.983	5.92	14.983	1.10	20.98	0.66
3.000	0.83	9.000	5.92	15.000	1.10	21.00	0.66
3.017	0.85	9.017	5.14	15.017	1.08	21.02	0.66
3.033	0.85	9.033	5.14	15.033	1.08	21.03	0.66
3.050	0.85	9.050	5.14	15.050	1.08	21.05	0.66
3.067	0.85	9.067	5.14	15.067	1.08	21.07	0.66
3.083	0.85	9.083	5.14	15.083	1.08	21.08	0.66
3.100	0.85	9.100	5.14	15.100	1.08	21.10	0.66
3.117	0.85	9.117	5.14	15.117	1.08	21.12	0.66
3.133	0.85	9.133	5.14	15.133	1.08	21.13	0.66
3.150	0.85	9.150	5.14	15.150	1.08	21.15	0.66
3.167	0.85	9.167	5.14	15.167	1.08	21.17	0.66
3.183	0.88	9.183	4.56	15.183	1.06	21.18	0.65
3.200	0.88	9.200	4.56	15.200	1.06	21.20	0.65
3.217	0.88	9.217	4.56	15.217	1.06	21.22	0.65
3.233	0.88	9.233	4.56	15.233	1.06	21.23	0.65
3.250	0.88	9.250	4.56	15.250	1.06	21.25	0.65
3.267	0.88	9.267	4.56	15.267	1.06	21.27	0.65
3.283	0.88	9.283	4.56	15.283	1.06	21.28	0.65
3.300	0.88	9.300	4.56	15.300	1.06	21.30	0.65
3.317	0.88	9.317	4.56	15.317	1.06	21.32	0.65
3.333	0.88	9.333	4.56	15.333	1.06	21.33	0.65
3.350	0.90	9.350	4.11	15.350	1.04	21.35	0.64
3.367	0.90	9.367	4.11	15.367	1.04	21.37	0.64
3.383	0.90	9.383	4.11	15.383	1.04	21.38	0.64
3.400	0.90	9.400	4.11	15.400	1.04	21.40	0.64
3.417	0.90	9.417	4.11	15.417	1.04	21.42	0.64
3.433	0.90	9.433	4.11	15.433	1.04	21.43	0.64
3.450	0.90	9.450	4.11	15.450	1.04	21.45	0.64
3.467	0.90	9.467	4.11	15.467	1.04	21.47	0.64
3.483	0.90	9.483	4.11	15.483	1.04	21.48	0.64
3.500	0.90	9.500	4.10	15.500	1.04	21.50	0.64
3.517	0.93	9.517	3.74	15.517	1.02	21.52	0.64
3.533	0.93	9.533	3.74	15.533	1.02	21.53	0.64
3.550	0.93	9.550	3.74	15.550	1.02	21.55	0.64
3.567	0.93	9.567	3.74	15.567	1.02	21.57	0.64
3.583	0.93	9.583	3.74	15.583	1.02	21.58	0.64
3.600	0.93	9.600	3.74	15.600	1.02	21.60	0.64
3.617	0.93	9.617	3.74	15.617	1.02	21.62	0.64
3.633	0.93	9.633	3.74	15.633	1.02	21.63	0.64
3.650	0.93	9.650	3.74	15.650	1.02	21.65	0.64
3.667	0.93	9.667	3.74	15.667	1.02	21.67	0.64
3.683	0.96	9.683	3.44	15.683	1.01	21.68	0.63
3.700	0.96	9.700	3.44	15.700	1.01	21.70	0.63
3.717	0.96	9.717	3.44	15.717	1.01	21.72	0.63
3.733	0.96	9.733	3.44	15.733	1.01	21.73	0.63
3.750	0.96	9.750	3.44	15.750	1.01	21.75	0.63
3.767	0.96	9.767	3.44	15.767	1.01	21.77	0.63
3.783	0.96	9.783	3.44	15.783	1.01	21.78	0.63
3.800	0.96	9.800	3.44	15.800	1.01	21.80	0.63
3.817	0.96	9.817	3.44	15.817	1.01	21.82	0.63
3.833	0.96	9.833	3.44	15.833	1.01	21.83	0.63
3.850	1.00	9.850	3.19	15.850	0.99	21.85	0.62
3.867	1.00	9.867	3.19	15.867	0.99	21.87	0.62
3.883	1.00	9.883	3.19	15.883	0.99	21.88	0.62
3.900	1.00	9.900	3.19	15.900	0.99	21.90	0.62
3.917	1.00	9.917	3.19	15.917	0.99	21.92	0.62
3.933	1.00	9.933	3.19	15.933	0.99	21.93	0.62
3.950	1.00	9.950	3.19	15.950	0.99	21.95	0.62
3.967	1.00	9.967	3.19	15.967	0.99	21.97	0.62
3.983	1.00	9.983	3.19	15.983	0.99	21.98	0.62
4.000	1.00	10.000	3.19	16.000	0.99	22.00	0.62
4.017	1.03	10.017	2.97	16.017	0.97	22.02	0.62
4.033	1.03	10.033	2.97	16.033	0.97	22.03	0.62
4.050	1.03	10.050	2.97	16.050	0.97	22.05	0.62
4.067	1.03	10.067	2.97	16.067	0.97	22.07	0.62
4.083	1.03	10.083	2.97	16.083	0.97	22.08	0.62
4.100	1.03	10.100	2.97	16.100	0.97	22.10	0.62
4.117	1.03	10.117	2.97	16.117	0.97	22.12	0.62
4.133	1.03	10.133	2.97	16.133	0.97	22.13	0.62
4.150	1.03	10.150	2.97	16.150	0.97	22.15	0.62
4.167	1.03	10.167	2.97	16.167	0.97	22.17	0.62
4.183	1.07	10.183	2.79	16.183	0.96	22.18	0.61
4.200	1.07	10.200	2.79	16.200	0.96	22.20	0.61
4.217	1.07	10.217	2.79	16.217	0.96	22.22	0.61
4.233	1.07	10.233	2.79	16.233	0.96	22.23	0.61
4.250	1.07	10.250	2.79	16.250	0.96	22.25	0.61
4.267	1.07	10.267	2.79	16.267	0.96	22.27	0.61
4.283	1.07	10.283	2.79	16.283	0.96	22.28	0.61
4.300	1.07	10.300	2.79	16.300	0.96	22.30	0.61
4.317	1.07	10.317	2.79	16.317	0.96	22.32	0.61
4.333	1.07	10.333	2.79	16.333	0.96	22.33	0.61
4.350	1.11	10.350	2.63	16.350	0.94	22.35	0.61
4.367	1.11	10.367	2.63	16.367	0.94	22.37	0.61
4.383	1.11	10.383	2.63	16.383	0.94	22.38	0.61
4.400	1.11	10.400	2.63	16.400	0.94	22.40	0.61
4.417	1.11	10.417	2.63	16.417	0.94	22.42	0.61

4.433	1.11	10.433	2.63	16.433	0.94	22.43	0.61
4.450	1.11	10.450	2.63	16.450	0.94	22.45	0.61
4.467	1.11	10.467	2.63	16.467	0.94	22.47	0.61
4.483	1.11	10.483	2.63	16.483	0.94	22.48	0.61
4.500	1.11	10.500	2.62	16.500	0.94	22.50	0.61
4.517	1.16	10.517	2.48	16.517	0.92	22.52	0.60
4.533	1.16	10.533	2.48	16.533	0.92	22.53	0.60
4.550	1.16	10.550	2.48	16.550	0.92	22.55	0.60
4.567	1.16	10.567	2.48	16.567	0.92	22.57	0.60
4.583	1.16	10.583	2.48	16.583	0.92	22.58	0.60
4.600	1.16	10.600	2.48	16.600	0.92	22.60	0.60
4.617	1.16	10.617	2.48	16.617	0.92	22.62	0.60
4.633	1.16	10.633	2.48	16.633	0.92	22.63	0.60
4.650	1.16	10.650	2.48	16.650	0.92	22.65	0.60
4.667	1.16	10.667	2.48	16.667	0.92	22.67	0.60
4.683	1.21	10.683	2.36	16.683	0.91	22.68	0.60
4.700	1.21	10.700	2.36	16.700	0.91	22.70	0.60
4.717	1.21	10.717	2.36	16.717	0.91	22.72	0.60
4.733	1.21	10.733	2.36	16.733	0.91	22.73	0.60
4.750	1.21	10.750	2.36	16.750	0.91	22.75	0.60
4.767	1.21	10.767	2.36	16.767	0.91	22.77	0.60
4.783	1.21	10.783	2.36	16.783	0.91	22.78	0.60
4.800	1.21	10.800	2.36	16.800	0.91	22.80	0.60
4.817	1.21	10.817	2.36	16.817	0.91	22.82	0.60
4.833	1.21	10.833	2.36	16.833	0.91	22.83	0.60
4.850	1.27	10.850	2.25	16.850	0.90	22.85	0.59
4.867	1.27	10.867	2.25	16.867	0.90	22.87	0.59
4.883	1.27	10.883	2.25	16.883	0.90	22.88	0.59
4.900	1.27	10.900	2.25	16.900	0.90	22.90	0.59
4.917	1.27	10.917	2.25	16.917	0.90	22.92	0.59
4.933	1.27	10.933	2.25	16.933	0.90	22.93	0.59
4.950	1.27	10.950	2.25	16.950	0.90	22.95	0.59
4.967	1.27	10.967	2.25	16.967	0.90	22.97	0.59
4.983	1.27	10.983	2.25	16.983	0.90	22.98	0.59
5.000	1.27	11.000	2.25	17.000	0.90	23.00	0.59
5.017	1.33	11.017	2.14	17.017	0.88	23.02	0.59
5.033	1.33	11.033	2.14	17.033	0.88	23.03	0.59
5.050	1.33	11.050	2.14	17.050	0.88	23.05	0.59
5.067	1.33	11.067	2.14	17.067	0.88	23.07	0.59
5.083	1.33	11.083	2.14	17.083	0.88	23.08	0.59
5.100	1.33	11.100	2.14	17.100	0.88	23.10	0.59
5.117	1.33	11.117	2.14	17.117	0.88	23.12	0.59
5.133	1.33	11.133	2.14	17.133	0.88	23.13	0.59
5.150	1.33	11.150	2.14	17.150	0.88	23.15	0.59
5.167	1.33	11.167	2.14	17.167	0.88	23.17	0.59
5.183	1.40	11.183	2.05	17.183	0.87	23.18	0.58
5.200	1.40	11.200	2.05	17.200	0.87	23.20	0.58
5.217	1.40	11.217	2.05	17.217	0.87	23.22	0.58
5.233	1.40	11.233	2.05	17.233	0.87	23.23	0.58
5.250	1.40	11.250	2.05	17.250	0.87	23.25	0.58
5.267	1.40	11.267	2.05	17.267	0.87	23.27	0.58
5.283	1.40	11.283	2.05	17.283	0.87	23.28	0.58
5.300	1.40	11.300	2.05	17.300	0.87	23.30	0.58
5.317	1.40	11.317	2.05	17.317	0.87	23.32	0.58
5.333	1.40	11.333	2.05	17.333	0.87	23.33	0.58
5.350	1.48	11.350	1.97	17.350	0.86	23.35	0.57
5.367	1.48	11.367	1.97	17.367	0.86	23.37	0.57
5.383	1.48	11.383	1.97	17.383	0.86	23.38	0.57
5.400	1.48	11.400	1.97	17.400	0.86	23.40	0.57
5.417	1.48	11.417	1.97	17.417	0.86	23.42	0.57
5.433	1.48	11.433	1.97	17.433	0.86	23.43	0.57
5.450	1.48	11.450	1.97	17.450	0.86	23.45	0.57
5.467	1.48	11.467	1.97	17.467	0.86	23.47	0.57
5.483	1.48	11.483	1.97	17.483	0.86	23.48	0.57
5.500	1.48	11.500	1.97	17.500	0.86	23.50	0.57
5.517	1.57	11.517	1.89	17.517	0.85	23.52	0.57
5.533	1.57	11.533	1.89	17.533	0.85	23.53	0.57
5.550	1.57	11.550	1.89	17.550	0.85	23.55	0.57
5.567	1.57	11.567	1.89	17.567	0.85	23.57	0.57
5.583	1.57	11.583	1.89	17.583	0.85	23.58	0.57
5.600	1.57	11.600	1.89	17.600	0.85	23.60	0.57
5.617	1.57	11.617	1.89	17.617	0.85	23.62	0.57
5.633	1.57	11.633	1.89	17.633	0.85	23.63	0.57
5.650	1.57	11.650	1.89	17.650	0.85	23.65	0.57
5.667	1.57	11.667	1.89	17.667	0.85	23.67	0.57
5.683	1.67	11.683	1.82	17.683	0.83	23.68	0.57
5.700	1.67	11.700	1.82	17.700	0.83	23.70	0.57
5.717	1.67	11.717	1.82	17.717	0.83	23.72	0.57
5.733	1.67	11.733	1.82	17.733	0.83	23.73	0.57
5.750	1.67	11.750	1.82	17.750	0.83	23.75	0.57
5.767	1.67	11.767	1.82	17.767	0.83	23.77	0.57
5.783	1.67	11.783	1.82	17.783	0.83	23.78	0.57
5.800	1.67	11.800	1.82	17.800	0.83	23.80	0.57
5.817	1.67	11.817	1.82	17.817	0.83	23.82	0.57
5.833	1.67	11.833	1.82	17.833	0.83	23.83	0.57
5.850	1.79	11.850	1.76	17.850	0.82	23.85	0.56
5.867	1.79	11.867	1.76	17.867	0.82	23.87	0.56
5.883	1.79	11.883	1.76	17.883	0.82	23.88	0.56
5.900	1.79	11.900	1.76	17.900	0.82	23.90	0.56
5.917	1.79	11.917	1.76	17.917	0.82	23.92	0.56
5.933	1.79	11.933	1.76	17.933	0.82	23.93	0.56
5.950	1.79	11.950	1.76	17.950	0.82	23.95	0.56
5.967	1.79	11.967	1.76	17.967	0.82	23.97	0.56
5.983	1.79	11.983	1.76	17.983	0.82	23.98	0.56
6.000	1.79	12.000	1.76	18.000	0.82	24.00	0.56

Max.Eff.Inten.(mm/hr)=	105.25	54.30	
over (min)	5.00	5.00	
Storage Coeff. (min)=	2.94 (ii)	4.04 (ii)	
Unit Hyd. Tpeak (min)=	5.00	5.00	

Unit Hyd. peak (cms)=	0.31	0.26	
			TOTALS
PEAK FLOW (cms)=	0.69	0.00	0.697 (iii)
TIME TO PEAK (hrs)=	8.00	8.03	8.00
RUNOFF VOLUME (mm)=	66.04	36.02	65.75
TOTAL RAINFALL (mm)=	67.05	67.05	67.05
RUNOFF COEFFICIENT =	0.99	0.54	0.98

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

ADD HYD (0012)		AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0010):		15.53	3.560	8.02	63.04
+ ID2= 2 (0013):		2.56	0.697	8.00	65.75
ID = 3 (0012):		18.09	4.252	8.02	63.43

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0011)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 1.0 min	OUTFLOW	STORAGE	OUTFLOW	STORAGE
	(cms)	(ha.m.)	(cms)	(ha.m.)
	0.0000	0.0000	2.8110	0.4813
	0.0590	0.3542	3.2550	0.5511
	1.5560	0.3695	4.0320	0.5885
	2.2770	0.4312	4.6420	0.6202

	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
INFLOW : ID= 2 (0012)	18.090	4.252	8.02	63.43
OUTFLOW: ID= 1 (0011)	18.090	2.275	8.15	53.96

PEAK FLOW REDUCTION [Qout/Qin](%)= 53.50
TIME SHIFT OF PEAK FLOW (min)= 8.00
MAXIMUM STORAGE USED (ha.m.)= 0.4312

```
      V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
      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

       OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
      O   O    T      T    H   H   Y Y   MM MM  O   O
      O   O    T      T    H   H    Y    M   M  O   O
       OOO     T      T    H   H    Y    M   M   OOO
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***** 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\voin.dat

Output filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\ef4708e3-322e-4088-93b8-6c58dd9f6e33\scenari
Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\ef4708e3-322e-4088-93b8-6c58dd9f6e33\scenari

DATE: 01-27-2026 TIME: 01:43:14

USER:

COMMENTS: _____

** SIMULATION : 4 - 10-Year 24hr Chic - Milto **

CHICAGO STORM	IDF curve parameters: A=1089.000
Ptotal= 80.06 mm	B= 5.700
	C= 0.795

used in: INTENSITY = A / (t + B)^C

Duration of storm = 24.00 hrs
Storm time step = 10.00 min
Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.71	6.00	2.35	12.00	2.08	18.00	1.00
0.17	0.72	6.17	2.55	12.17	2.01	18.17	0.99
0.33	0.73	6.33	2.80	12.33	1.95	18.33	0.97
0.50	0.74	6.50	3.10	12.50	1.89	18.50	0.96
0.67	0.76	6.67	3.49	12.67	1.84	18.67	0.95
0.83	0.77	6.83	4.01	12.83	1.78	18.83	0.94
1.00	0.79	7.00	4.74	13.00	1.74	19.00	0.93
1.17	0.80	7.17	5.85	13.17	1.69	19.17	0.91
1.33	0.82	7.33	7.75	13.33	1.65	19.33	0.90
1.50	0.84	7.50	11.89	13.50	1.61	19.50	0.89
1.67	0.86	7.67	28.81	13.67	1.57	19.67	0.88
1.83	0.88	7.83	121.81	13.83	1.54	19.83	0.87
2.00	0.90	8.00	37.88	14.00	1.50	20.00	0.86
2.17	0.92	8.17	19.77	14.17	1.47	20.17	0.85
2.33	0.94	8.33	13.48	14.33	1.44	20.33	0.84
2.50	0.97	8.50	10.31	14.50	1.41	20.50	0.84
2.67	0.99	8.67	8.40	14.67	1.38	20.67	0.83
2.83	1.02	8.83	7.12	14.83	1.35	20.83	0.82
3.00	1.05	9.00	6.20	15.00	1.33	21.00	0.81
3.17	1.08	9.17	5.51	15.17	1.30	21.17	0.80
3.33	1.11	9.33	4.96	15.33	1.28	21.33	0.79
3.50	1.14	9.50	4.53	15.50	1.26	21.50	0.79
3.67	1.18	9.67	4.17	15.67	1.23	21.67	0.78
3.83	1.22	9.83	3.86	15.83	1.21	21.83	0.77
4.00	1.27	10.00	3.61	16.00	1.19	22.00	0.76
4.17	1.31	10.17	3.38	16.17	1.17	22.17	0.76
4.33	1.37	10.33	3.19	16.33	1.15	22.33	0.75
4.50	1.42	10.50	3.02	16.50	1.14	22.50	0.74
4.67	1.48	10.67	2.87	16.67	1.12	22.67	0.74
4.83	1.55	10.83	2.73	16.83	1.10	22.83	0.73
5.00	1.63	11.00	2.61	17.00	1.09	23.00	0.72
5.17	1.71	11.17	2.50	17.17	1.07	23.17	0.72
5.33	1.81	11.33	2.40	17.33	1.05	23.33	0.71
5.50	1.92	11.50	2.31	17.50	1.04	23.50	0.70
5.67	2.04	11.67	2.23	17.67	1.03	23.67	0.70
5.83	2.18	11.83	2.15	17.83	1.01	23.83	0.69

CALIB
STANDHYD (0010)
ID= 1 DT= 1.0 min

Area (ha)= 15.53
Total Imp(%)= 90.00 Dir. Conn.(%)= 90.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	13.98	1.55
Dep. Storage (mm)=	1.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	321.77	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.71	6.017	2.35	12.017	2.08	18.02	1.00
0.033	0.71	6.033	2.35	12.033	2.08	18.03	1.00
0.050	0.71	6.050	2.35	12.050	2.08	18.05	1.00
0.067	0.71	6.067	2.35	12.067	2.08	18.07	1.00
0.083	0.71	6.083	2.35	12.083	2.08	18.08	1.00
0.100	0.71	6.100	2.35	12.100	2.08	18.10	1.00
0.117	0.71	6.117	2.35	12.117	2.08	18.12	1.00
0.133	0.71	6.133	2.35	12.133	2.08	18.13	1.00
0.150	0.71	6.150	2.35	12.150	2.08	18.15	1.00
0.167	0.71	6.167	2.35	12.167	2.08	18.17	1.00
0.183	0.72	6.183	2.55	12.183	2.01	18.18	0.99
0.200	0.72	6.200	2.55	12.200	2.01	18.20	0.99
0.217	0.72	6.217	2.55	12.217	2.01	18.22	0.99
0.233	0.72	6.233	2.55	12.233	2.01	18.23	0.99
0.250	0.72	6.250	2.55	12.250	2.01	18.25	0.99
0.267	0.72	6.267	2.55	12.267	2.01	18.27	0.99
0.283	0.72	6.283	2.55	12.283	2.01	18.28	0.99
0.300	0.72	6.300	2.55	12.300	2.01	18.30	0.99
0.317	0.72	6.317	2.55	12.317	2.01	18.32	0.99
0.333	0.72	6.333	2.55	12.333	2.01	18.33	0.99
0.350	0.73	6.350	2.80	12.350	1.95	18.35	0.97
0.367	0.73	6.367	2.80	12.367	1.95	18.37	0.97
0.383	0.73	6.383	2.80	12.383	1.95	18.38	0.97
0.400	0.73	6.400	2.80	12.400	1.95	18.40	0.97
0.417	0.73	6.417	2.80	12.417	1.95	18.42	0.97
0.433	0.73	6.433	2.80	12.433	1.95	18.43	0.97
0.450	0.73	6.450	2.80	12.450	1.95	18.45	0.97
0.467	0.73	6.467	2.80	12.467	1.95	18.47	0.97
0.483	0.73	6.483	2.80	12.483	1.95	18.48	0.97
0.500	0.73	6.500	2.80	12.500	1.95	18.50	0.97
0.517	0.74	6.517	3.10	12.517	1.89	18.52	0.96
0.533	0.74	6.533	3.10	12.533	1.89	18.53	0.96
0.550	0.74	6.550	3.10	12.550	1.89	18.55	0.96
0.567	0.74	6.567	3.10	12.567	1.89	18.57	0.96
0.583	0.74	6.583	3.10	12.583	1.89	18.58	0.96
0.600	0.74	6.600	3.10	12.600	1.89	18.60	0.96
0.617	0.74	6.617	3.10	12.617	1.89	18.62	0.96
0.633	0.74	6.633	3.10	12.633	1.89	18.63	0.96
0.650	0.74	6.650	3.10	12.650	1.89	18.65	0.96
0.667	0.74	6.667	3.10	12.667	1.89	18.67	0.96
0.683	0.76	6.683	3.49	12.683	1.84	18.68	0.95
0.700	0.76	6.700	3.49	12.700	1.84	18.70	0.95
0.717	0.76	6.717	3.49	12.717	1.84	18.72	0.95
0.733	0.76	6.733	3.49	12.733	1.84	18.73	0.95
0.750	0.76	6.750	3.49	12.750	1.84	18.75	0.95
0.767	0.76	6.767	3.49	12.767	1.84	18.77	0.95
0.783	0.76	6.783	3.49	12.783	1.84	18.78	0.95
0.800	0.76	6.800	3.49	12.800	1.84	18.80	0.95
0.817	0.76	6.817	3.49	12.817	1.84	18.82	0.95
0.833	0.76	6.833	3.49	12.833	1.84	18.83	0.95
0.850	0.77	6.850	4.01	12.850	1.78	18.85	0.94
0.867	0.77	6.867	4.01	12.867	1.78	18.87	0.94
0.883	0.77	6.883	4.01	12.883	1.78	18.88	0.94
0.900	0.77	6.900	4.01	12.900	1.78	18.90	0.94
0.917	0.77	6.917	4.01	12.917	1.78	18.92	0.94
0.933	0.77	6.933	4.01	12.933	1.78	18.93	0.94
0.950	0.77	6.950	4.01	12.950	1.78	18.95	0.94
0.967	0.77	6.967	4.01	12.967	1.78	18.97	0.94
0.983	0.77	6.983	4.01	12.983	1.78	18.98	0.94
1.000	0.77	7.000	4.01	13.000	1.78	19.00	0.94
1.017	0.79	7.017	4.74	13.017	1.74	19.02	0.93
1.033	0.79	7.033	4.74	13.033	1.74	19.03	0.93
1.050	0.79	7.050	4.74	13.050	1.74	19.05	0.93
1.067	0.79	7.067	4.74	13.067	1.74	19.07	0.93
1.083	0.79	7.083	4.74	13.083	1.74	19.08	0.93
1.100	0.79	7.100	4.74	13.100	1.74	19.10	0.93
1.117	0.79	7.117	4.74	13.117	1.74	19.12	0.93
1.133	0.79	7.133	4.74	13.133	1.74	19.13	0.93
1.150	0.79	7.150	4.74	13.150	1.74	19.15	0.93
1.167	0.79	7.167	4.74	13.167	1.74	19.17	0.93
1.183	0.80	7.183	5.85	13.183	1.69	19.18	0.91
1.200	0.80	7.200	5.85	13.200	1.69	19.20	0.91
1.217	0.80	7.217	5.85	13.217	1.69	19.22	0.91
1.233	0.80	7.233	5.85	13.233	1.69	19.23	0.91
1.250	0.80	7.250	5.85	13.250	1.69	19.25	0.91
1.267	0.80	7.267	5.85	13.267	1.69	19.27	0.91
1.283	0.80	7.283	5.85	13.283	1.69	19.28	0.91
1.300	0.80	7.300	5.85	13.300	1.69	19.30	0.91
1.317	0.80	7.317	5.85	13.317	1.69	19.32	0.91
1.333	0.80	7.333	5.85	13.333	1.69	19.33	0.91
1.350	0.82	7.350	7.75	13.350	1.65	19.35	0.90
1.367	0.82	7.367	7.75	13.367	1.65	19.37	0.90
1.383	0.82	7.383	7.75	13.383	1.65	19.38	0.90
1.400	0.82	7.400	7.75	13.400	1.65	19.40	0.90
1.417	0.82	7.417	7.75	13.417	1.65	19.42	0.90
1.433	0.82	7.433	7.75	13.433	1.65	19.43	0.90
1.450	0.82	7.450	7.75	13.450	1.65	19.45	0.90
1.467	0.82	7.467	7.75	13.467	1.65	19.47	0.90
1.483	0.82	7.483	7.75	13.483	1.65	19.48	0.90
1.500	0.82	7.500	7.76	13.500	1.65	19.50	0.90
1.517	0.84	7.517	11.89	13.517	1.61	19.52	0.89
1.533	0.84	7.533	11.89	13.533	1.61	19.53	0.89
1.550	0.84	7.550	11.89	13.550	1.61	19.55	0.89
1.567	0.84	7.567	11.89	13.567	1.61	19.57	0.89
1.583	0.84	7.583	11.89	13.583	1.61	19.58	0.89
1.600	0.84	7.600	11.89	13.600	1.61	19.60	0.89
1.617	0.84	7.617	11.89	13.617	1.61	19.62	0.89
1.633	0.84	7.633	11.89	13.633	1.61	19.63	0.89
1.650	0.84	7.650	11.89	13.650	1.61	19.65	0.89
1.667	0.84	7.667	11.93	13.667	1.61	19.67	0.89
1.683	0.86	7.683	28.81	13.683	1.57	19.68	0.88
1.700	0.86	7.700	28.81	13.700	1.57	19.70	0.88
1.717	0.86	7.717	28.81	13.717	1.57	19.72	0.88
1.733	0.86	7.733	28.81	13.733	1.57	19.73	0.88
1.750	0.86	7.750	28.81	13.750	1.57	19.75	0.88
1.767	0.86	7.767	28.81	13.767	1.57	19.77	0.88
1.783	0.86	7.783	28.81	13.783	1.57	19.78	0.88
1.800	0.86	7.800	28.81	13.800	1.57	19.80	0.88
1.817	0.86	7.817	28.81	13.817	1.57	19.82	0.88
1.833	0.86	7.833	29.07	13.833	1.57	19.83	0.88
1.850	0.88	7.850	121.81	13.850	1.54	19.85	0.87
1.867	0.88	7.867	121.81	13.867	1.54	19.87	0.87
1.883	0.88	7.883	121.81	13.883	1.54	19.88	0.87
1.900	0.88	7.900	121.81	13.900	1.54	19.90	0.87
1.917	0.88	7.917	121.81	13.917	1.54	19.92	0.87
1.933	0.88	7.933	121.81	13.933	1.54	19.93	0.87
1.950	0.88	7.950	121.81	13.950	1.54	19.95	0.87
1.967	0.88	7.967	121.81	13.967	1.54	19.97	0.87
1.983	0.88	7.983	121.81	13.983	1.54	19.98	0.87
2.000	0.88	8.000	121.56	14.000	1.54	20.00	0.87
2.017	0.90	8.017	37.88	14.017	1.50	20.02	0.86
2.033	0.90	8.033	37.88	14.033	1.50	20.03	0.86
2.050	0.90	8.050	37.88	14.050	1.50	20.05	0.86
2.067	0.90	8.067	37.88	14.067	1.50	20.07	0.86
2.083	0.90	8.083	37.88	14.083	1.50	20.08	0.86
2.100	0.90	8.100	37.88	14.100	1.50	20.10	0.86
2.117	0.90	8.117	37.88	14.117	1.50	20.12	0.86
2.133	0.90	8.133	37.88	14.133	1.50	20.13	0.86
2.150	0.90	8.150	37.88	14.150	1.50	20.15	0.86
2.167	0.90	8.167	37.83	14.167	1.50	20.17	0.86
2.183	0.92	8.183	19.77	14.183	1.47	20.18	0.85
2.200	0.92	8.200	19.77	14.200	1.47	20.20	0.85
2.217	0.92	8.217	19.77	14.217	1.47	20.22	0.85
2.233	0.92	8.233	19.77	14.233	1.47	20.23	0.85
2.250	0.92	8.250	19.77	14.250	1.47	20.25	0.85
2.267	0.92	8.267	19.77	14.267	1.47	20.27	0.85
2.283	0.92	8.283	19.77	14.283	1.47	20.28	0.85

2.300	0.92	8.300	19.77	14.300	1.47	20.30	0.85
2.317	0.92	8.317	19.77	14.317	1.47	20.32	0.85
2.333	0.92	8.333	19.75	14.333	1.47	20.33	0.85
2.350	0.94	8.350	13.48	14.350	1.44	20.35	0.84
2.367	0.94	8.367	13.48	14.367	1.44	20.37	0.84
2.383	0.94	8.383	13.48	14.383	1.44	20.38	0.84
2.400	0.94	8.400	13.48	14.400	1.44	20.40	0.84
2.417	0.94	8.417	13.48	14.417	1.44	20.42	0.84
2.433	0.94	8.433	13.48	14.433	1.44	20.43	0.84
2.450	0.94	8.450	13.48	14.450	1.44	20.45	0.84
2.467	0.94	8.467	13.48	14.467	1.44	20.47	0.84
2.483	0.94	8.483	13.48	14.483	1.44	20.48	0.84
2.500	0.94	8.500	13.48	14.500	1.44	20.50	0.84
2.517	0.97	8.517	10.31	14.517	1.41	20.52	0.84
2.533	0.97	8.533	10.31	14.533	1.41	20.53	0.84
2.550	0.97	8.550	10.31	14.550	1.41	20.55	0.84
2.567	0.97	8.567	10.31	14.567	1.41	20.57	0.84
2.583	0.97	8.583	10.31	14.583	1.41	20.58	0.84
2.600	0.97	8.600	10.31	14.600	1.41	20.60	0.84
2.617	0.97	8.617	10.31	14.617	1.41	20.62	0.84
2.633	0.97	8.633	10.31	14.633	1.41	20.63	0.84
2.650	0.97	8.650	10.31	14.650	1.41	20.65	0.84
2.667	0.97	8.667	10.31	14.667	1.41	20.67	0.84
2.683	0.99	8.683	8.40	14.683	1.38	20.68	0.83
2.700	0.99	8.700	8.40	14.700	1.38	20.70	0.83
2.717	0.99	8.717	8.40	14.717	1.38	20.72	0.83
2.733	0.99	8.733	8.40	14.733	1.38	20.73	0.83
2.750	0.99	8.750	8.40	14.750	1.38	20.75	0.83
2.767	0.99	8.767	8.40	14.767	1.38	20.77	0.83
2.783	0.99	8.783	8.40	14.783	1.38	20.78	0.83
2.800	0.99	8.800	8.40	14.800	1.38	20.80	0.83
2.817	0.99	8.817	8.40	14.817	1.38	20.82	0.83
2.833	0.99	8.833	8.40	14.833	1.38	20.83	0.83
2.850	1.02	8.850	7.12	14.850	1.35	20.85	0.82
2.867	1.02	8.867	7.12	14.867	1.35	20.87	0.82
2.883	1.02	8.883	7.12	14.883	1.35	20.88	0.82
2.900	1.02	8.900	7.12	14.900	1.35	20.90	0.82
2.917	1.02	8.917	7.12	14.917	1.35	20.92	0.82
2.933	1.02	8.933	7.12	14.933	1.35	20.93	0.82
2.950	1.02	8.950	7.12	14.950	1.35	20.95	0.82
2.967	1.02	8.967	7.12	14.967	1.35	20.97	0.82
2.983	1.02	8.983	7.12	14.983	1.35	20.98	0.82
3.000	1.02	9.000	7.12	15.000	1.35	21.00	0.82
3.017	1.05	9.017	6.20	15.017	1.33	21.02	0.81
3.033	1.05	9.033	6.20	15.033	1.33	21.03	0.81
3.050	1.05	9.050	6.20	15.050	1.33	21.05	0.81
3.067	1.05	9.067	6.20	15.067	1.33	21.07	0.81
3.083	1.05	9.083	6.20	15.083	1.33	21.08	0.81
3.100	1.05	9.100	6.20	15.100	1.33	21.10	0.81
3.117	1.05	9.117	6.20	15.117	1.33	21.12	0.81

3.133	1.05	9.133	6.20	15.133	1.33	21.13	0.81
3.150	1.05	9.150	6.20	15.150	1.33	21.15	0.81
3.167	1.05	9.167	6.20	15.167	1.33	21.17	0.81
3.183	1.08	9.183	5.51	15.183	1.30	21.18	0.80
3.200	1.08	9.200	5.51	15.200	1.30	21.20	0.80
3.217	1.08	9.217	5.51	15.217	1.30	21.22	0.80
3.233	1.08	9.233	5.51	15.233	1.30	21.23	0.80
3.250	1.08	9.250	5.51	15.250	1.30	21.25	0.80
3.267	1.08	9.267	5.51	15.267	1.30	21.27	0.80
3.283	1.08	9.283	5.51	15.283	1.30	21.28	0.80
3.300	1.08	9.300	5.51	15.300	1.30	21.30	0.80
3.317	1.08	9.317	5.51	15.317	1.30	21.32	0.80
3.333	1.08	9.333	5.51	15.333	1.30	21.33	0.80
3.350	1.11	9.350	4.96	15.350	1.28	21.35	0.79
3.367	1.11	9.367	4.96	15.367	1.28	21.37	0.79
3.383	1.11	9.383	4.96	15.383	1.28	21.38	0.79
3.400	1.11	9.400	4.96	15.400	1.28	21.40	0.79
3.417	1.11	9.417	4.96	15.417	1.28	21.42	0.79
3.433	1.11	9.433	4.96	15.433	1.28	21.43	0.79
3.450	1.11	9.450	4.96	15.450	1.28	21.45	0.79
3.467	1.11	9.467	4.96	15.467	1.28	21.47	0.79
3.483	1.11	9.483	4.96	15.483	1.28	21.48	0.79
3.500	1.11	9.500	4.96	15.500	1.28	21.50	0.79
3.517	1.14	9.517	4.53	15.517	1.26	21.52	0.79
3.533	1.14	9.533	4.53	15.533	1.26	21.53	0.79
3.550	1.14	9.550	4.53	15.550	1.26	21.55	0.79
3.567	1.14	9.567	4.53	15.567	1.26	21.57	0.79
3.583	1.14	9.583	4.53	15.583	1.26	21.58	0.79
3.600	1.14	9.600	4.53	15.600	1.26	21.60	0.79
3.617	1.14	9.617	4.53	15.617	1.26	21.62	0.79
3.633	1.14	9.633	4.53	15.633	1.26	21.63	0.79
3.650	1.14	9.650	4.53	15.650	1.26	21.65	0.79
3.667	1.14	9.667	4.53	15.667	1.26	21.67	0.79
3.683	1.18	9.683	4.17	15.683	1.23	21.68	0.78
3.700	1.18	9.700	4.17	15.700	1.23	21.70	0.78
3.717	1.18	9.717	4.17	15.717	1.23	21.72	0.78
3.733	1.18	9.733	4.17	15.733	1.23	21.73	0.78
3.750	1.18	9.750	4.17	15.750	1.23	21.75	0.78
3.767	1.18	9.767	4.17	15.767	1.23	21.77	0.78
3.783	1.18	9.783	4.17	15.783	1.23	21.78	0.78
3.800	1.18	9.800	4.17	15.800	1.23	21.80	0.78
3.817	1.18	9.817	4.17	15.817	1.23	21.82	0.78
3.833	1.18	9.833	4.17	15.833	1.23	21.83	0.78
3.850	1.22	9.850	3.86	15.850	1.21	21.85	0.77
3.867	1.22	9.867	3.86	15.867	1.21	21.87	0.77
3.883	1.22	9.883	3.86	15.883	1.21	21.88	0.77
3.900	1.22	9.900	3.86	15.900	1.21	21.90	0.77
3.917	1.22	9.917	3.86	15.917	1.21	21.92	0.77
3.933	1.22	9.933	3.86	15.933	1.21	21.93	0.77
3.950	1.22	9.950	3.86	15.950	1.21	21.95	0.77

3.967	1.22	9.967	3.86	15.967	1.21	21.97	0.77
3.983	1.22	9.983	3.86	15.983	1.21	21.98	0.77
4.000	1.22	10.000	3.86	16.000	1.21	22.00	0.77
4.017	1.27	10.017	3.61	16.017	1.19	22.02	0.76
4.033	1.27	10.033	3.61	16.033	1.19	22.03	0.76
4.050	1.27	10.050	3.61	16.050	1.19	22.05	0.76
4.067	1.27	10.067	3.61	16.067	1.19	22.07	0.76
4.083	1.27	10.083	3.61	16.083	1.19	22.08	0.76
4.100	1.27	10.100	3.61	16.100	1.19	22.10	0.76
4.117	1.27	10.117	3.61	16.117	1.19	22.12	0.76
4.133	1.27	10.133	3.61	16.133	1.19	22.13	0.76
4.150	1.27	10.150	3.61	16.150	1.19	22.15	0.76
4.167	1.27	10.167	3.61	16.167	1.19	22.17	0.76
4.183	1.31	10.183	3.38	16.183	1.17	22.18	0.76
4.200	1.31	10.200	3.38	16.200	1.17	22.20	0.76
4.217	1.31	10.217	3.38	16.217	1.17	22.22	0.76
4.233	1.31	10.233	3.38	16.233	1.17	22.23	0.76
4.250	1.31	10.250	3.38	16.250	1.17	22.25	0.76
4.267	1.31	10.267	3.38	16.267	1.17	22.27	0.76
4.283	1.31	10.283	3.38	16.283	1.17	22.28	0.76
4.300	1.31	10.300	3.38	16.300	1.17	22.30	0.76
4.317	1.31	10.317	3.38	16.317	1.17	22.32	0.76
4.333	1.31	10.333	3.38	16.333	1.17	22.33	0.76
4.350	1.37	10.350	3.19	16.350	1.16	22.35	0.75
4.367	1.37	10.367	3.19	16.367	1.15	22.37	0.75
4.383	1.37	10.383	3.19	16.383	1.15	22.38	0.75
4.400	1.37	10.400	3.19	16.400	1.15	22.40	0.75
4.417	1.37	10.417	3.19	16.417	1.15	22.42	0.75
4.433	1.37	10.433	3.19	16.433	1.15	22.43	0.75
4.450	1.37	10.450	3.19	16.450	1.15	22.45	0.75
4.467	1.37	10.467	3.19	16.467	1.15	22.47	0.75
4.483	1.37	10.483	3.19	16.483	1.15	22.48	0.75
4.500	1.37	10.500	3.19	16.500	1.15	22.50	0.75
4.517	1.42	10.517	3.02	16.517	1.14	22.52	0.74
4.533	1.42	10.533	3.02	16.533	1.14	22.53	0.74
4.550	1.42	10.550	3.02	16.550	1.14	22.55	0.74
4.567	1.42	10.567	3.02	16.567	1.14	22.57	0.74
4.583	1.42	10.583	3.02	16.583	1.14	22.58	0.74
4.600	1.42	10.600	3.02	16.600	1.14	22.60	0.74
4.617	1.42	10.617	3.02	16.617	1.14	22.62	0.74
4.633	1.42	10.633	3.02	16.633	1.14	22.63	0.74
4.650	1.42	10.650	3.02	16.650	1.14	22.65	0.74
4.667	1.42	10.667	3.02	16.667	1.14	22.67	0.74
4.683	1.48	10.683	2.87	16.683	1.12	22.68	0.74
4.700	1.48	10.700	2.87	16.700	1.12	22.70	0.74
4.717	1.48	10.717	2.87	16.717	1.12	22.72	0.74
4.733	1.48	10.733	2.87	16.733	1.12	22.73	0.74
4.750	1.48	10.750	2.87	16.750	1.12	22.75	0.74
4.767	1.48	10.767	2.87	16.767	1.12	22.77	0.74
4.783	1.48	10.783	2.87	16.783	1.12	22.78	0.74

4.800	1.48	10.800	2.87	16.800	1.12	22.80	0.74
4.817	1.48	10.817	2.87	16.817	1.12	22.82	0.74
4.833	1.48	10.833	2.87	16.833	1.12	22.83	0.74
4.850	1.55	10.850	2.73	16.850	1.10	22.85	0.73
4.867	1.55	10.867	2.73	16.867	1.10	22.87	0.73
4.883	1.55	10.883	2.73	16.883	1.10	22.88	0.73
4.900	1.55	10.900	2.73	16.900	1.10	22.90	0.73
4.917	1.55	10.917	2.73	16.917	1.10	22.92	0.73
4.933	1.55	10.933	2.73	16.933	1.10	22.93	0.73
4.950	1.55	10.950	2.73	16.950	1.10	22.95	0.73
4.967	1.55	10.967	2.73	16.967	1.10	22.97	0.73
4.983	1.55	10.983	2.73	16.983	1.10	22.98	0.73
5.000	1.55	11.000	2.73	17.000	1.10	23.00	0.73
5.017	1.63	11.017	2.61	17.017	1.09	23.02	0.72
5.033	1.63	11.033	2.61	17.033	1.09	23.03	0.72
5.050	1.63	11.050	2.61	17.050	1.09	23.05	0.72
5.067	1.63	11.067	2.61	17.067	1.09	23.07	0.72
5.083	1.63	11.083	2.61	17.083	1.09	23.08	0.72
5.100	1.63	11.100	2.61	17.100	1.09	23.10	0.72
5.117	1.63	11.117	2.61	17.117	1.09	23.12	0.72
5.133	1.63	11.133	2.61	17.133	1.09	23.13	0.72
5.150	1.63	11.150	2.61	17.150	1.09	23.15	0.72
5.167	1.63	11.167	2.61	17.167	1.09	23.17	0.72
5.183	1.71	11.183	2.50	17.183	1.07	23.18	0.72
5.200	1.71	11.200	2.50	17.200	1.07	23.20	0.72
5.217	1.71	11.217	2.50	17.217	1.07	23.22	0.72
5.233	1.71	11.233	2.50	17.233	1.07	23.23	0.72
5.250	1.71	11.250	2.50	17.250	1.07	23.25	0.72
5.267	1.71	11.267	2.50	17.267	1.07	23.27	0.72
5.283	1.71	11.283	2.50	17.283	1.07	23.28	0.72
5.300	1.71	11.300	2.50	17.300	1.07	23.30	0.72
5.317	1.71	11.317	2.50	17.317	1.07	23.32	0.72
5.333	1.71	11.333	2.50	17.333	1.07	23.33	0.72
5.350	1.81	11.350	2.40	17.350	1.06	23.35	0.71
5.367	1.81	11.367	2.40	17.367	1.05	23.37	0.71
5.383	1.81	11.383	2.40	17.383	1.05	23.38	0.71
5.400	1.81	11.400	2.40	17.400	1.05	23.40	0.71
5.417	1.81	11.417	2.40	17.417	1.05	23.42	0.71
5.433	1.81	11.433	2.40	17.433	1.05	23.43	0.71
5.450	1.81	11.450	2.40	17.450	1.05	23.45	0.71
5.467	1.81	11.467	2.40	17.467	1.05	23.47	0.71
5.483	1.81	11.483	2.40	17.483	1.05	23.48	0.71
5.500	1.81	11.500	2.40	17.500	1.05	23.50	0.71
5.517	1.92	11.517	2.31	17.517	1.04	23.52	0.70
5.533	1.92	11.533	2.31	17.533	1.04	23.53	0.70
5.550	1.92	11.550	2.31	17.550	1.04	23.55	0.70
5.567	1.92	11.567	2.31	17.567	1.04	23.57	0.70
5.583	1.92	11.583	2.31	17.583	1.04	23.58	0.70
5.600	1.92	11.600	2.31	17.600	1.04	23.60	0.70
5.617	1.92	11.617	2.31	17.617	1.04	23.62	0.70

5.633	1.92	11.633	2.31	17.633	1.04	23.63	0.70
5.650	1.92	11.650	2.31	17.650	1.04	23.65	0.70
5.667	1.92	11.667	2.31	17.667	1.04	23.67	0.70
5.683	2.04	11.683	2.23	17.683	1.03	23.68	0.70
5.700	2.04	11.700	2.23	17.700	1.03	23.70	0.70
5.717	2.04	11.717	2.23	17.717	1.03	23.72	0.70
5.733	2.04	11.733	2.23	17.733	1.03	23.73	0.70
5.750	2.04	11.750	2.23	17.750	1.03	23.75	0.70
5.767	2.04	11.767	2.23	17.767	1.03	23.77	0.70
5.783	2.04	11.783	2.23	17.783	1.03	23.78	0.70
5.800	2.04	11.800	2.23	17.800	1.03	23.80	0.70
5.817	2.04	11.817	2.23	17.817	1.03	23.82	0.70
5.833	2.04	11.833	2.23	17.833	1.03	23.83	0.70
5.850	2.18	11.850	2.15	17.850	1.01	23.85	0.69
5.867	2.18	11.867	2.15	17.867	1.01	23.87	0.69
5.883	2.18	11.883	2.15	17.883	1.01	23.88	0.69
5.900	2.18	11.900	2.15	17.900	1.01	23.90	0.69
5.917	2.18	11.917	2.15	17.917	1.01	23.92	0.69
5.933	2.18	11.933	2.15	17.933	1.01	23.93	0.69
5.950	2.18	11.950	2.15	17.950	1.01	23.95	0.69
5.967	2.18	11.967	2.15	17.967	1.01	23.97	0.69
5.983	2.18	11.983	2.15	17.983	1.01	23.98	0.69
6.000	2.18	12.000	2.15	18.000	1.01	24.00	0.69

Max.Eff.Inten.(mm/hr)=	121.81	70.49	
over (min)	5.00	8.00	
Storage Coeff. (min)=	4.76 (ii)	7.47 (ii)	
Unit Hyd. Tpeak (min)=	5.00	8.00	
Unit Hyd. peak (cms)=	0.23	0.15	
			TOTALS
PEAK FLOW (cms)=	4.02	0.22	4.214 (iii)
TIME TO PEAK (hrs)=	8.02	8.08	8.02
RUNOFF VOLUME (mm)=	79.04	46.98	75.85
TOTAL RAINFALL (mm)=	80.06	80.06	80.06
RUNOFF COEFFICIENT =	0.99	0.59	0.95

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

CALIB	
STANDHYD (0013)	Area (ha)= 2.56
ID= 1 DT= 1.0 min	Total Imp(%)= 99.00 Dir. Conn.(%)= 99.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	2.53	0.03
Dep. Storage (mm)=	1.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	130.64	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.71	6.017	2.35	12.017	2.08	18.02	1.00
0.033	0.71	6.033	2.35	12.033	2.08	18.03	1.00
0.050	0.71	6.050	2.35	12.050	2.08	18.05	1.00
0.067	0.71	6.067	2.35	12.067	2.08	18.07	1.00
0.083	0.71	6.083	2.35	12.083	2.08	18.08	1.00
0.100	0.71	6.100	2.35	12.100	2.08	18.10	1.00
0.117	0.71	6.117	2.35	12.117	2.08	18.12	1.00
0.133	0.71	6.133	2.35	12.133	2.08	18.13	1.00
0.150	0.71	6.150	2.35	12.150	2.08	18.15	1.00
0.167	0.71	6.167	2.35	12.167	2.08	18.17	1.00
0.183	0.72	6.183	2.55	12.183	2.01	18.18	0.99
0.200	0.72	6.200	2.55	12.200	2.01	18.20	0.99
0.217	0.72	6.217	2.55	12.217	2.01	18.22	0.99
0.233	0.72	6.233	2.55	12.233	2.01	18.23	0.99
0.250	0.72	6.250	2.55	12.250	2.01	18.25	0.99
0.267	0.72	6.267	2.55	12.267	2.01	18.27	0.99
0.283	0.72	6.283	2.55	12.283	2.01	18.28	0.99
0.300	0.72	6.300	2.55	12.300	2.01	18.30	0.99
0.317	0.72	6.317	2.55	12.317	2.01	18.32	0.99
0.333	0.72	6.333	2.55	12.333	2.01	18.33	0.99
0.350	0.73	6.350	2.80	12.350	1.95	18.35	0.97
0.367	0.73	6.367	2.80	12.367	1.95	18.37	0.97
0.383	0.73	6.383	2.80	12.383	1.95	18.38	0.97
0.400	0.73	6.400	2.80	12.400	1.95	18.40	0.97
0.417	0.73	6.417	2.80	12.417	1.95	18.42	0.97
0.433	0.73	6.433	2.80	12.433	1.95	18.43	0.97
0.450	0.73	6.450	2.80	12.450	1.95	18.45	0.97
0.467	0.73	6.467	2.80	12.467	1.95	18.47	0.97
0.483	0.73	6.483	2.80	12.483	1.95	18.48	0.97
0.500	0.73	6.500	2.80	12.500	1.95	18.50	0.97
0.517	0.74	6.517	3.10	12.517	1.89	18.52	0.96
0.533	0.74	6.533	3.10	12.533	1.89	18.53	0.96
0.550	0.74	6.550	3.10	12.550	1.89	18.55	0.96
0.567	0.74	6.567	3.10	12.567	1.89	18.57	0.96
0.583	0.74	6.583	3.10	12.583	1.89	18.58	0.96
0.600	0.74	6.600	3.10	12.600	1.89	18.60	0.96
0.617	0.74	6.617	3.10	12.617	1.89	18.62	0.96
0.633	0.74	6.633	3.10	12.633	1.89	18.63	0.96
0.650	0.74	6.650	3.10	12.650	1.89	18.65	0.96
0.667	0.74	6.667	3.10	12.667	1.89	18.67	0.96
0.683	0.76	6.683	3.49	12.683	1.84	18.68	0.95
0.700	0.76	6.700	3.49	12.700	1.84	18.70	0.95
0.717	0.76	6.717	3.49	12.717	1.84	18.72	0.95
0.733	0.76	6.733	3.49	12.733	1.84	18.73	0.95
0.750	0.76	6.750	3.49	12.750	1.84	18.75	0.95
0.767	0.76	6.767	3.49	12.767	1.84	18.77	0.95
0.783	0.76	6.783	3.49	12.783	1.84	18.78	0.95
0.800	0.76	6.800	3.49	12.800	1.84	18.80	0.95
0.817	0.76	6.817	3.49	12.817	1.84	18.82	0.95
0.833	0.76	6.833	3.49	12.833	1.84	18.83	0.95
0.850	0.77	6.850	4.01	12.850	1.78	18.85	0.94
0.867	0.77	6.867	4.01	12.867	1.78	18.87	0.94
0.883	0.77	6.883	4.01	12.883	1.78	18.88	0.94
0.900	0.77	6.900	4.01	12.900	1.78	18.90	0.94
0.917	0.77	6.917	4.01	12.917	1.78	18.92	0.94
0.933	0.77	6.933	4.01	12.933	1.78	18.93	0.94
0.950	0.77	6.950	4.01	12.950	1.78	18.95	0.94
0.967	0.77	6.967	4.01	12.967	1.78	18.97	0.94
0.983	0.77	6.983	4.01	12.983	1.78	18.98	0.94
1.000	0.77	7.000	4.01	13.000	1.78	19.00	0.94
1.017	0.79	7.017	4.74	13.017	1.74	19.02	0.93
1.033	0.79	7.033	4.74	13.033	1.74	19.03	0.93
1.050	0.79	7.050	4.74	13.050	1.74	19.05	0.93
1.067	0.79	7.067	4.74	13.067	1.74	19.07	0.93
1.083	0.79	7.083	4.74	13.083	1.74	19.08	0.93
1.100	0.79	7.100	4.74	13.100	1.74	19.10	0.93
1.117	0.79	7.117	4.74	13.117	1.74	19.12	0.93
1.133	0.79	7.133	4.74	13.133	1.74	19.13	0.93
1.150	0.79	7.150	4.74	13.150	1.74	19.15	0.93
1.167	0.79	7.167	4.74	13.167	1.74	19.17	0.93
1.183	0.80	7.183	5.85	13.183	1.69	19.18	0.91
1.200	0.80	7.200	5.85	13.200	1.69	19.20	0.91
1.217	0.80	7.217	5.85	13.217	1.69	19.22	0.91
1.233	0.80	7.233	5.85	13.233	1.69	19.23	0.91
1.250	0.80	7.250	5.85	13.250	1.69	19.25	0.91
1.267	0.80	7.267	5.85	13.267	1.69	19.27	0.91
1.283	0.80	7.283	5.85	13.283	1.69	19.28	0.91
1.300	0.80	7.300	5.85	13.300	1.69	19.30	0.91
1.317	0.80	7.317	5.85	13.317	1.69	19.32	0.91
1.333	0.80	7.333	5.85	13.333	1.69	19.33	0.91
1.350	0.82	7.350	7.75	13.350	1.65	19.35	0.90
1.367	0.82	7.367	7.75	13.367	1.65	19.37	0.90
1.383	0.82	7.383	7.75	13.383	1.65	19.38	0.90
1.400	0.82	7.400	7.75	13.400	1.65	19.40	0.90
1.417	0.82	7.417	7.75	13.417	1.65	19.42	0.90
1.433	0.82	7.433	7.75	13.433	1.65	19.43	0.90
1.450	0.82	7.450	7.75	13.450	1.65	19.45	0.90
1.467	0.82	7.467	7.75	13.467	1.65	19.47	0.90
1.483	0.82	7.483	7.75	13.483	1.65	19.48	0.90
1.500	0.82	7.500	7.76	13.500	1.65	19.50	0.90
1.517	0.84	7.517	11.89	13.517	1.61	19.52	0.89
1.533	0.84	7.533	11.89	13.533	1.61	19.53	0.89
1.550	0.84	7.550	11.89	13.550	1.61	19.55	0.89
1.567	0.84	7.567	11.89	13.567	1.61	19.57	0.89
1.583	0.84	7.583	11.89	13.583	1.61	19.58	0.89
1.600	0.84	7.600	11.89	13.600	1.61	19.60	0.89
1.617	0.84	7.617	11.89	13.617	1.61	19.62	0.89
1.633	0.84	7.633	11.89	13.633	1.61	19.63	0.89
1.650	0.84	7.650	11.89	13.650	1.61	19.65	0.89
1.667	0.84	7.667	11.93	13.667	1.61	19.67	0.89
1.683	0.86	7.683	28.81	13.683	1.57	19.68	0.88
1.700	0.86	7.700	28.81	13.700	1.57	19.70	0.88
1.717	0.86	7.717	28.81	13.717	1.57	19.72	0.88
1.733	0.86	7.733	28.81	13.733	1.57	19.73	0.88
1.750	0.86	7.750	28.81	13.750	1.57	19.75	0.88
1.767	0.86	7.767	28.81	13.767	1.57	19.77	0.88
1.783	0.86	7.783	28.81	13.783	1.57	19.78	0.88
1.800	0.86	7.800	28.81	13.800	1.57	19.80	0.88
1.817	0.86	7.817	28.81	13.817	1.57	19.82	0.88
1.833	0.86	7.833	29.07	13.833	1.57	19.83	0.88
1.850	0.88	7.850	121.81	13.850	1.54	19.85	0.87
1.867	0.88	7.867	121.81	13.867	1.54	19.87	0.87
1.883	0.88	7.883	121.81	13.883	1.54	19.88	0.87
1.900	0.88	7.900	121.81	13.900	1.54	19.90	0.87
1.917	0.88	7.917	121.81	13.917	1.54	19.92	0.87
1.933	0.88	7.933	121.81	13.933	1.54	19.93	0.87
1.950	0.88	7.950	121.81	13.950	1.54	19.95	0.87
1.967	0.88	7.967	121.81	13.967	1.54	19.97	0.87
1.983	0.88	7.983	121.81	13.983	1.54	19.98	0.87
2.000	0.88	8.000	121.56	14.000	1.54	20.00	0.87
2.017	0.90	8.017	37.88	14.017	1.50	20.02	0.86
2.033	0.90	8.033	37.88	14.033	1.50	20.03	0.86
2.050	0.90	8.050	37.88	14.050	1.50	20.05	0.86
2.067	0.90	8.067	37.88	14.067	1.50	20.07	0.86
2.083	0.90	8.083	37.88	14.083	1.50	20.08	0.86
2.100	0.90	8.100	37.88	14.100	1.50	20.10	0.86
2.117	0.90	8.117	37.88	14.117	1.50	20.12	0.86
2.133	0.90	8.133	37.88	14.133	1.50	20.13	0.86
2.150	0.90	8.150	37.88	14.150	1.50	20.15	0.86
2.167	0.90	8.167	37.83	14.167	1.50	20.17	0.86
2.183	0.92	8.183	19.77	14.183	1.47	20.18	0.85
2.200	0.92	8.200	19.77	14.200	1.47	20.20	0.85
2.217	0.92	8.217	19.77	14.217	1.47	20.22	0.85
2.233	0.92	8.233	19.77	14.233	1.47	20.23	0.85
2.250	0.92	8.250	19.77	14.250	1.47	20.25	0.85
2.267	0.92	8.267	19.77	14.267	1.47	20.27	0.85
2.283	0.92	8.283	19.77	14.283	1.47	20.28	0.85
2.300	0.92	8.300	19.77	14.300	1.47	20.30	0.85

2.317	0.92	8.317	19.77	14.317	1.47	20.32	0.85
2.333	0.92	8.333	19.75	14.333	1.47	20.33	0.85
2.350	0.94	8.350	13.48	14.350	1.44	20.35	0.84
2.367	0.94	8.367	13.48	14.367	1.44	20.37	0.84
2.383	0.94	8.383	13.48	14.383	1.44	20.38	0.84
2.400	0.94	8.400	13.48	14.400	1.44	20.40	0.84
2.417	0.94	8.417	13.48	14.417	1.44	20.42	0.84
2.433	0.94	8.433	13.48	14.433	1.44	20.43	0.84
2.450	0.94	8.450	13.48	14.450	1.44	20.45	0.84
2.467	0.94	8.467	13.48	14.467	1.44	20.47	0.84
2.483	0.94	8.483	13.48	14.483	1.44	20.48	0.84
2.500	0.94	8.500	13.48	14.500	1.44	20.50	0.84
2.517	0.97	8.517	10.31	14.517	1.41	20.52	0.84
2.533	0.97	8.533	10.31	14.533	1.41	20.53	0.84
2.550	0.97	8.550	10.31	14.550	1.41	20.55	0.84
2.567	0.97	8.567	10.31	14.567	1.41	20.57	0.84
2.583	0.97	8.583	10.31	14.583	1.41	20.58	0.84
2.600	0.97	8.600	10.31	14.600	1.41	20.60	0.84
2.617	0.97	8.617	10.31	14.617	1.41	20.62	0.84
2.633	0.97	8.633	10.31	14.633	1.41	20.63	0.84
2.650	0.97	8.650	10.31	14.650	1.41	20.65	0.84
2.667	0.97	8.667	10.31	14.667	1.41	20.67	0.84
2.683	0.99	8.683	8.40	14.683	1.38	20.68	0.83
2.700	0.99	8.700	8.40	14.700	1.38	20.70	0.83
2.717	0.99	8.717	8.40	14.717	1.38	20.72	0.83
2.733	0.99	8.733	8.40	14.733	1.38	20.73	0.83
2.750	0.99	8.750	8.40	14.750	1.38	20.75	0.83
2.767	0.99	8.767	8.40	14.767	1.38	20.77	0.83
2.783	0.99	8.783	8.40	14.783	1.38	20.78	0.83
2.800	0.99	8.800	8.40	14.800	1.38	20.80	0.83
2.817	0.99	8.817	8.40	14.817	1.38	20.82	0.83
2.833	0.99	8.833	8.40	14.833	1.38	20.83	0.83
2.850	1.02	8.850	7.12	14.850	1.35	20.85	0.82
2.867	1.02	8.867	7.12	14.867	1.35	20.87	0.82
2.883	1.02	8.883	7.12	14.883	1.35	20.88	0.82
2.900	1.02	8.900	7.12	14.900	1.35	20.90	0.82
2.917	1.02	8.917	7.12	14.917	1.35	20.92	0.82
2.933	1.02	8.933	7.12	14.933	1.35	20.93	0.82
2.950	1.02	8.950	7.12	14.950	1.35	20.95	0.82
2.967	1.02	8.967	7.12	14.967	1.35	20.97	0.82
2.983	1.02	8.983	7.12	14.983	1.35	20.98	0.82
3.000	1.02	9.000	7.12	15.000	1.35	21.00	0.82
3.017	1.05	9.017	6.20	15.017	1.33	21.02	0.81
3.033	1.05	9.033	6.20	15.033	1.33	21.03	0.81
3.050	1.05	9.050	6.20	15.050	1.33	21.05	0.81
3.067	1.05	9.067	6.20	15.067	1.33	21.07	0.81
3.083	1.05	9.083	6.20	15.083	1.33	21.08	0.81
3.100	1.05	9.100	6.20	15.100	1.33	21.10	0.81
3.117	1.05	9.117	6.20	15.117	1.33	21.12	0.81
3.133	1.05	9.133	6.20	15.133	1.33	21.13	0.81

3.150	1.05	9.150	6.20	15.150	1.33	21.15	0.81
3.167	1.05	9.167	6.20	15.167	1.33	21.17	0.81
3.183	1.08	9.183	5.51	15.183	1.30	21.18	0.80
3.200	1.08	9.200	5.51	15.200	1.30	21.20	0.80
3.217	1.08	9.217	5.51	15.217	1.30	21.22	0.80
3.233	1.08	9.233	5.51	15.233	1.30	21.23	0.80
3.250	1.08	9.250	5.51	15.250	1.30	21.25	0.80
3.267	1.08	9.267	5.51	15.267	1.30	21.27	0.80
3.283	1.08	9.283	5.51	15.283	1.30	21.28	0.80
3.300	1.08	9.300	5.51	15.300	1.30	21.30	0.80
3.317	1.08	9.317	5.51	15.317	1.30	21.32	0.80
3.333	1.08	9.333	5.51	15.333	1.30	21.33	0.80
3.350	1.11	9.350	4.96	15.350	1.28	21.35	0.79
3.367	1.11	9.367	4.96	15.367	1.28	21.37	0.79
3.383	1.11	9.383	4.96	15.383	1.28	21.38	0.79
3.400	1.11	9.400	4.96	15.400	1.28	21.40	0.79
3.417	1.11	9.417	4.96	15.417	1.28	21.42	0.79
3.433	1.11	9.433	4.96	15.433	1.28	21.43	0.79
3.450	1.11	9.450	4.96	15.450	1.28	21.45	0.79
3.467	1.11	9.467	4.96	15.467	1.28	21.47	0.79
3.483	1.11	9.483	4.96	15.483	1.28	21.48	0.79
3.500	1.11	9.500	4.96	15.500	1.28	21.50	0.79
3.517	1.14	9.517	4.53	15.517	1.26	21.52	0.79
3.533	1.14	9.533	4.53	15.533	1.26	21.53	0.79
3.550	1.14	9.550	4.53	15.550	1.26	21.55	0.79
3.567	1.14	9.567	4.53	15.567	1.26	21.57	0.79
3.583	1.14	9.583	4.53	15.583	1.26	21.58	0.79
3.600	1.14	9.600	4.53	15.600	1.26	21.60	0.79
3.617	1.14	9.617	4.53	15.617	1.26	21.62	0.79
3.633	1.14	9.633	4.53	15.633	1.26	21.63	0.79
3.650	1.14	9.650	4.53	15.650	1.26	21.65	0.79
3.667	1.14	9.667	4.53	15.667	1.26	21.67	0.79
3.683	1.18	9.683	4.17	15.683	1.23	21.68	0.78
3.700	1.18	9.700	4.17	15.700	1.23	21.70	0.78
3.717	1.18	9.717	4.17	15.717	1.23	21.72	0.78
3.733	1.18	9.733	4.17	15.733	1.23	21.73	0.78
3.750	1.18	9.750	4.17	15.750	1.23	21.75	0.78
3.767	1.18	9.767	4.17	15.767	1.23	21.77	0.78
3.783	1.18	9.783	4.17	15.783	1.23	21.78	0.78
3.800	1.18	9.800	4.17	15.800	1.23	21.80	0.78
3.817	1.18	9.817	4.17	15.817	1.23	21.82	0.78
3.833	1.18	9.833	4.17	15.833	1.23	21.83	0.78
3.850	1.22	9.850	3.86	15.850	1.21	21.85	0.77
3.867	1.22	9.867	3.86	15.867	1.21	21.87	0.77
3.883	1.22	9.883	3.86	15.883	1.21	21.88	0.77
3.900	1.22	9.900	3.86	15.900	1.21	21.90	0.77
3.917	1.22	9.917	3.86	15.917	1.21	21.92	0.77
3.933	1.22	9.933	3.86	15.933	1.21	21.93	0.77
3.950	1.22	9.950	3.86	15.950	1.21	21.95	0.77
3.967	1.22	9.967	3.86	15.967	1.21	21.97	0.77

3.983	1.22	9.983	3.86	15.983	1.21	21.98	0.77
4.000	1.22	10.000	3.86	16.000	1.21	22.00	0.77
4.017	1.27	10.017	3.61	16.017	1.19	22.02	0.76
4.033	1.27	10.033	3.61	16.033	1.19	22.03	0.76
4.050	1.27	10.050	3.61	16.050	1.19	22.05	0.76
4.067	1.27	10.067	3.61	16.067	1.19	22.07	0.76
4.083	1.27	10.083	3.61	16.083	1.19	22.08	0.76
4.100	1.27	10.100	3.61	16.100	1.19	22.10	0.76
4.117	1.27	10.117	3.61	16.117	1.19	22.12	0.76
4.133	1.27	10.133	3.61	16.133	1.19	22.13	0.76
4.150	1.27	10.150	3.61	16.150	1.19	22.15	0.76
4.167	1.27	10.167	3.61	16.167	1.19	22.17	0.76
4.183	1.31	10.183	3.38	16.183	1.17	22.18	0.76
4.200	1.31	10.200	3.38	16.200	1.17	22.20	0.76
4.217	1.31	10.217	3.38	16.217	1.17	22.22	0.76
4.233	1.31	10.233	3.38	16.233	1.17	22.23	0.76
4.250	1.31	10.250	3.38	16.250	1.17	22.25	0.76
4.267	1.31	10.267	3.38	16.267	1.17	22.27	0.76
4.283	1.31	10.283	3.38	16.283	1.17	22.28	0.76
4.300	1.31	10.300	3.38	16.300	1.17	22.30	0.76
4.317	1.31	10.317	3.38	16.317	1.17	22.32	0.76
4.333	1.31	10.333	3.38	16.333	1.17	22.33	0.76
4.350	1.37	10.350	3.19	16.350	1.16	22.35	0.75
4.367	1.37	10.367	3.19	16.367	1.15	22.37	0.75
4.383	1.37	10.383	3.19	16.383	1.15	22.38	0.75
4.400	1.37	10.400	3.19	16.400	1.15	22.40	0.75
4.417	1.37	10.417	3.19	16.417	1.15	22.42	0.75
4.433	1.37	10.433	3.19	16.433	1.15	22.43	0.75
4.450	1.37	10.450	3.19	16.450	1.15	22.45	0.75
4.467	1.37	10.467	3.19	16.467	1.15	22.47	0.75
4.483	1.37	10.483	3.19	16.483	1.15	22.48	0.75
4.500	1.37	10.500	3.19	16.500	1.15	22.50	0.75
4.517	1.42	10.517	3.02	16.517	1.14	22.52	0.74
4.533	1.42	10.533	3.02	16.533	1.14	22.53	0.74
4.550	1.42	10.550	3.02	16.550	1.14	22.55	0.74
4.567	1.42	10.567	3.02	16.567	1.14	22.57	0.74
4.583	1.42	10.583	3.02	16.583	1.14	22.58	0.74
4.600	1.42	10.600	3.02	16.600	1.14	22.60	0.74
4.617	1.42	10.617	3.02	16.617	1.14	22.62	0.74
4.633	1.42	10.633	3.02	16.633	1.14	22.63	0.74
4.650	1.42	10.650	3.02	16.650	1.14	22.65	0.74
4.667	1.42	10.667	3.02	16.667	1.14	22.67	0.74
4.683	1.48	10.683	2.87	16.683	1.12	22.68	0.74
4.700	1.48	10.700	2.87	16.700	1.12	22.70	0.74
4.717	1.48	10.717	2.87	16.717	1.12	22.72	0.74
4.733	1.48	10.733	2.87	16.733	1.12	22.73	0.74
4.750	1.48	10.750	2.87	16.750	1.12	22.75	0.74
4.767	1.48	10.767	2.87	16.767	1.12	22.77	0.74
4.783	1.48	10.783	2.87	16.783	1.12	22.78	0.74
4.800	1.48	10.800	2.87	16.800	1.12	22.80	0.74

4.817	1.48	10.817	2.87	16.817	1.12	22.82	0.74
4.833	1.48	10.833	2.87	16.833	1.12	22.83	0.74
4.850	1.55	10.850	2.73	16.850	1.10	22.85	0.73
4.867	1.55	10.867	2.73	16.867	1.10	22.87	0.73
4.883	1.55	10.883	2.73	16.883	1.10	22.88	0.73
4.900	1.55	10.900	2.73	16.900	1.10	22.90	0.73
4.917	1.55	10.917	2.73	16.917	1.10	22.92	0.73
4.933	1.55	10.933	2.73	16.933	1.10	22.93	0.73
4.950	1.55	10.950	2.73	16.950	1.10	22.95	0.73
4.967	1.55	10.967	2.73	16.967	1.10	22.97	0.73
4.983	1.55	10.983	2.73	16.983	1.10	22.98	0.73
5.000	1.55	11.000	2.73	17.000	1.10	23.00	0.73
5.017	1.63	11.017	2.61	17.017	1.09	23.02	0.72
5.033	1.63	11.033	2.61	17.033	1.09	23.03	0.72
5.050	1.63	11.050	2.61	17.050	1.09	23.05	0.72
5.067	1.63	11.067	2.61	17.067	1.09	23.07	0.72
5.083	1.63	11.083	2.61	17.083	1.09	23.08	0.72
5.100	1.63	11.100	2.61	17.100	1.09	23.10	0.72
5.117	1.63	11.117	2.61	17.117	1.09	23.12	0.72
5.133	1.63	11.133	2.61	17.133	1.09	23.13	0.72
5.150	1.63	11.150	2.61	17.150	1.09	23.15	0.72
5.167	1.63	11.167	2.61	17.167	1.09	23.17	0.72
5.183	1.71	11.183	2.50	17.183	1.07	23.18	0.72
5.200	1.71	11.200	2.50	17.200	1.07	23.20	0.72
5.217	1.71	11.217	2.50	17.217	1.07	23.22	0.72
5.233	1.71	11.233	2.50	17.233	1.07	23.23	0.72
5.250	1.71	11.250	2.50	17.250	1.07	23.25	0.72
5.267	1.71	11.267	2.50	17.267	1.07	23.27	0.72
5.283	1.71	11.283	2.50	17.283	1.07	23.28	0.72
5.300	1.71	11.300	2.50	17.300	1.07	23.30	0.72
5.317	1.71	11.317	2.50	17.317	1.07	23.32	0.72
5.333	1.71	11.333	2.50	17.333	1.07	23.33	0.72
5.350	1.81	11.350	2.40	17.350	1.06	23.35	0.71
5.367	1.81	11.367	2.40	17.367	1.05	23.37	0.71
5.383	1.81	11.383	2.40	17.383	1.05	23.38	0.71
5.400	1.81	11.400	2.40	17.400	1.05	23.40	0.71
5.417	1.81	11.417	2.40	17.417	1.05	23.42	0.71
5.433	1.81	11.433	2.40	17.433	1.05	23.43	0.71
5.450	1.81	11.450	2.40	17.450	1.05	23.45	0.71
5.467	1.81	11.467	2.40	17.467	1.05	23.47	0.71
5.483	1.81	11.483	2.40	17.483	1.05	23.48	0.71
5.500	1.81	11.500	2.40	17.500	1.05	23.50	0.71
5.517	1.92	11.517	2.31	17.517	1.04	23.52	0.70
5.533	1.92	11.533	2.31	17.533	1.04	23.53	0.70
5.550	1.92	11.550	2.31	17.550	1.04	23.55	0.70
5.567	1.92	11.567	2.31	17.567	1.04	23.57	0.70
5.583	1.92	11.583	2.31	17.583	1.04	23.58	0.70
5.600	1.92	11.600	2.31	17.600	1.04	23.60	0.70
5.617	1.92	11.617	2.31	17.617	1.04	23.62	0.70
5.633	1.92	11.633	2.31	17.633	1.04	23.63	0.70

5.650	1.92	11.650	2.31	17.650	1.04	23.65	0.70
5.667	1.92	11.667	2.31	17.667	1.04	23.67	0.70
5.683	2.04	11.683	2.23	17.683	1.03	23.68	0.70
5.700	2.04	11.700	2.23	17.700	1.03	23.70	0.70
5.717	2.04	11.717	2.23	17.717	1.03	23.72	0.70
5.733	2.04	11.733	2.23	17.733	1.03	23.73	0.70
5.750	2.04	11.750	2.23	17.750	1.03	23.75	0.70
5.767	2.04	11.767	2.23	17.767	1.03	23.77	0.70
5.783	2.04	11.783	2.23	17.783	1.03	23.78	0.70
5.800	2.04	11.800	2.23	17.800	1.03	23.80	0.70
5.817	2.04	11.817	2.23	17.817	1.03	23.82	0.70
5.833	2.04	11.833	2.23	17.833	1.03	23.83	0.70
5.850	2.18	11.850	2.15	17.850	1.01	23.85	0.69
5.867	2.18	11.867	2.15	17.867	1.01	23.87	0.69
5.883	2.18	11.883	2.15	17.883	1.01	23.88	0.69
5.900	2.18	11.900	2.15	17.900	1.01	23.90	0.69
5.917	2.18	11.917	2.15	17.917	1.01	23.92	0.69
5.933	2.18	11.933	2.15	17.933	1.01	23.93	0.69
5.950	2.18	11.950	2.15	17.950	1.01	23.95	0.69
5.967	2.18	11.967	2.15	17.967	1.01	23.97	0.69
5.983	2.18	11.983	2.15	17.983	1.01	23.98	0.69
6.000	2.18	12.000	2.15	18.000	1.01	24.00	0.69

Max.Eff.Inten.(mm/hr)=	121.81	70.49	
over (min)	5.00	4.00	
Storage Coeff. (min)=	2.77 (ii)	3.81 (ii)	
Unit Hyd. Tpeak (min)=	5.00	4.00	
Unit Hyd. peak (cms)=	0.32	0.29	
			TOTALS
PEAK FLOW (cms)=	0.81	0.00	0.815 (iii)
TIME TO PEAK (hrs)=	8.00	8.02	8.00
RUNOFF VOLUME (mm)=	79.05	46.99	78.73
TOTAL RAINFALL (mm)=	80.06	80.06	80.06
RUNOFF COEFFICIENT =	0.99	0.59	0.98

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

ADD HYD (0012)		AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0010):		15.53	4.214	8.02	75.85
+ ID2= 2 (0013):		2.56	0.815	8.00	78.73

==========
ID = 3 (0012): 18.09 5.021 8.02 76.26

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0011)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 1.0 min	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	2.8110	0.4813
	0.0590	0.3542	3.2550	0.5511
	1.5560	0.3695	4.0320	0.5885
	2.2770	0.4312	4.6420	0.6202

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0012)	18.090	5.021	8.02	76.26
OUTFLOW: ID= 1 (0011)	18.090	2.808	8.13	66.13

PEAK FLOW REDUCTION [Qout/Qin](%)= 55.93
TIME SHIFT OF PEAK FLOW (min)= 7.00
MAXIMUM STORAGE USED (ha.m.)= 0.4813

==========

V V I SSSSS U U A L (v 6.2.2019)
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

OOO TTTTT TTTTT H H Y Y M M OOO TM
O O T T H H Y Y MM MM O O
O O T T H H Y M M O O
OOO T T H H Y M M OOO

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***** 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\voin.dat

Output filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\dabaa9

07-8668-400e-a623-66d1b8577746\scenari
Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\dabaa9
07-8668-400e-a623-66d1b8577746\scenari

DATE: 01-27-2026 TIME: 01:43:14

USER:

COMMENTS: _____

** SIMULATION : 5 - 25-Year 24hr Chic - Milto **

CHICAGO STORM	IDF curve parameters: A=1234.000
Ptotal= 97.01 mm	B= 5.500
	C= 0.786

used in: INTENSITY = A / (t + B)^C

Duration of storm = 24.00 hrs
Storm time step = 10.00 min
Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.89	6.00	2.92	12.00	2.59	18.00	1.26
0.17	0.91	6.17	3.17	12.17	2.50	18.17	1.24
0.33	0.92	6.33	3.47	12.33	2.43	18.33	1.22
0.50	0.94	6.50	3.84	12.50	2.36	18.50	1.21
0.67	0.96	6.67	4.31	12.67	2.29	18.67	1.19
0.83	0.98	6.83	4.94	12.83	2.23	18.83	1.18
1.00	1.00	7.00	5.82	13.00	2.17	19.00	1.17
1.17	1.02	7.17	7.15	13.17	2.11	19.17	1.15
1.33	1.04	7.33	9.42	13.33	2.06	19.33	1.14
1.50	1.06	7.50	14.31	13.50	2.01	19.50	1.13
1.67	1.08	7.67	34.08	13.67	1.97	19.67	1.11
1.83	1.11	7.83	143.01	13.83	1.92	19.83	1.10
2.00	1.13	8.00	44.65	14.00	1.88	20.00	1.09
2.17	1.16	8.17	23.56	14.17	1.84	20.17	1.08
2.33	1.19	8.33	16.20	14.33	1.80	20.33	1.07
2.50	1.22	8.50	12.46	14.50	1.76	20.50	1.05
2.67	1.25	8.67	10.19	14.67	1.73	20.67	1.04
2.83	1.28	8.83	8.67	14.83	1.70	20.83	1.03
3.00	1.32	9.00	7.57	15.00	1.66	21.00	1.02
3.17	1.35	9.17	6.74	15.17	1.63	21.17	1.01
3.33	1.39	9.33	6.09	15.33	1.60	21.33	1.00
3.50	1.44	9.50	5.56	15.50	1.58	21.50	0.99
3.67	1.48	9.67	5.13	15.67	1.55	21.67	0.98
3.83	1.53	9.83	4.76	15.83	1.52	21.83	0.97
4.00	1.59	10.00	4.45	16.00	1.50	22.00	0.96
4.17	1.65	10.17	4.18	16.17	1.47	22.17	0.96
4.33	1.71	10.33	3.95	16.33	1.45	22.33	0.95
4.50	1.78	10.50	3.74	16.50	1.43	22.50	0.94
4.67	1.86	10.67	3.55	16.67	1.41	22.67	0.93
4.83	1.94	10.83	3.39	16.83	1.39	22.83	0.92
5.00	2.03	11.00	3.24	17.00	1.37	23.00	0.91
5.17	2.14	11.17	3.11	17.17	1.35	23.17	0.91
5.33	2.26	11.33	2.98	17.33	1.33	23.33	0.90
5.50	2.39	11.50	2.87	17.50	1.31	23.50	0.89
5.67	2.54	11.67	2.77	17.67	1.29	23.67	0.88
5.83	2.72	11.83	2.67	17.83	1.27	23.83	0.88

CALIB					
STANDHYD (0010)	Area (ha)= 15.53				
ID= 1 DT= 1.0 min	Total Imp(%)= 90.00	Dir. Conn.(%)= 90.00			

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	13.98	1.55
Dep. Storage	(mm)=	1.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	321.77	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.89	6.017	2.92	12.017	2.59	18.02	1.26
0.033	0.89	6.033	2.92	12.033	2.59	18.03	1.26
0.050	0.89	6.050	2.92	12.050	2.59	18.05	1.26
0.067	0.89	6.067	2.92	12.067	2.59	18.07	1.26
0.083	0.89	6.083	2.92	12.083	2.59	18.08	1.26
0.100	0.89	6.100	2.92	12.100	2.59	18.10	1.26
0.117	0.89	6.117	2.92	12.117	2.59	18.12	1.26
0.133	0.89	6.133	2.92	12.133	2.59	18.13	1.26
0.150	0.89	6.150	2.92	12.150	2.59	18.15	1.26
0.167	0.89	6.167	2.92	12.167	2.59	18.17	1.26

0.183	0.91	6.183	3.17	12.183	2.50	18.18	1.24
0.200	0.91	6.200	3.17	12.200	2.50	18.20	1.24
0.217	0.91	6.217	3.17	12.217	2.50	18.22	1.24
0.233	0.91	6.233	3.17	12.233	2.50	18.23	1.24
0.250	0.91	6.250	3.17	12.250	2.50	18.25	1.24
0.267	0.91	6.267	3.17	12.267	2.50	18.27	1.24
0.283	0.91	6.283	3.17	12.283	2.50	18.28	1.24
0.300	0.91	6.300	3.17	12.300	2.50	18.30	1.24
0.317	0.91	6.317	3.17	12.317	2.50	18.32	1.24
0.333	0.91	6.333	3.17	12.333	2.50	18.33	1.24
0.350	0.92	6.350	3.47	12.350	2.43	18.35	1.22
0.367	0.92	6.367	3.47	12.367	2.43	18.37	1.22
0.383	0.92	6.383	3.47	12.383	2.43	18.38	1.22
0.400	0.92	6.400	3.47	12.400	2.43	18.40	1.22
0.417	0.92	6.417	3.47	12.417	2.43	18.42	1.22
0.433	0.92	6.433	3.47	12.433	2.43	18.43	1.22
0.450	0.92	6.450	3.47	12.450	2.43	18.45	1.22
0.467	0.92	6.467	3.47	12.467	2.43	18.47	1.22
0.483	0.92	6.483	3.47	12.483	2.43	18.48	1.22
0.500	0.92	6.500	3.47	12.500	2.43	18.50	1.22
0.517	0.94	6.517	3.84	12.517	2.36	18.52	1.21
0.533	0.94	6.533	3.84	12.533	2.36	18.53	1.21
0.550	0.94	6.550	3.84	12.550	2.36	18.55	1.21
0.567	0.94	6.567	3.84	12.567	2.36	18.57	1.21
0.583	0.94	6.583	3.84	12.583	2.36	18.58	1.21
0.600	0.94	6.600	3.84	12.600	2.36	18.60	1.21
0.617	0.94	6.617	3.84	12.617	2.36	18.62	1.21
0.633	0.94	6.633	3.84	12.633	2.36	18.63	1.21
0.650	0.94	6.650	3.84	12.650	2.36	18.65	1.21
0.667	0.94	6.667	3.84	12.667	2.36	18.67	1.21
0.683	0.96	6.683	4.31	12.683	2.29	18.68	1.19
0.700	0.96	6.700	4.31	12.700	2.29	18.70	1.19
0.717	0.96	6.717	4.31	12.717	2.29	18.72	1.19
0.733	0.96	6.733	4.31	12.733	2.29	18.73	1.19
0.750	0.96	6.750	4.31	12.750	2.29	18.75	1.19
0.767	0.96	6.767	4.31	12.767	2.29	18.77	1.19
0.783	0.96	6.783	4.31	12.783	2.29	18.78	1.19
0.800	0.96	6.800	4.31	12.800	2.29	18.80	1.19
0.817	0.96	6.817	4.31	12.817	2.29	18.82	1.19
0.833	0.96	6.833	4.31	12.833	2.29	18.83	1.19
0.850	0.98	6.850	4.94	12.850	2.23	18.85	1.18
0.867	0.98	6.867	4.94	12.867	2.23	18.87	1.18
0.883	0.98	6.883	4.94	12.883	2.23	18.88	1.18
0.900	0.98	6.900	4.94	12.900	2.23	18.90	1.18
0.917	0.98	6.917	4.94	12.917	2.23	18.92	1.18
0.933	0.98	6.933	4.94	12.933	2.23	18.93	1.18
0.950	0.98	6.950	4.94	12.950	2.23	18.95	1.18
0.967	0.98	6.967	4.94	12.967	2.23	18.97	1.18
0.983	0.98	6.983	4.94	12.983	2.23	18.98	1.18
1.000	0.98	7.000	4.94	13.000	2.23	19.00	1.18

1.017	1.00	7.017	5.82	13.017	2.17	19.02	1.17
1.033	1.00	7.033	5.82	13.033	2.17	19.03	1.17
1.050	1.00	7.050	5.82	13.050	2.17	19.05	1.17
1.067	1.00	7.067	5.82	13.067	2.17	19.07	1.17
1.083	1.00	7.083	5.82	13.083	2.17	19.08	1.17
1.100	1.00	7.100	5.82	13.100	2.17	19.10	1.17
1.117	1.00	7.117	5.82	13.117	2.17	19.12	1.17
1.133	1.00	7.133	5.82	13.133	2.17	19.13	1.17
1.150	1.00	7.150	5.82	13.150	2.17	19.15	1.17
1.167	1.00	7.167	5.82	13.167	2.17	19.17	1.17
1.183	1.02	7.183	7.15	13.183	2.11	19.18	1.15
1.200	1.02	7.200	7.15	13.200	2.11	19.20	1.15
1.217	1.02	7.217	7.15	13.217	2.11	19.22	1.15
1.233	1.02	7.233	7.15	13.233	2.11	19.23	1.15
1.250	1.02	7.250	7.15	13.250	2.11	19.25	1.15
1.267	1.02	7.267	7.15	13.267	2.11	19.27	1.15
1.283	1.02	7.283	7.15	13.283	2.11	19.28	1.15
1.300	1.02	7.300	7.15	13.300	2.11	19.30	1.15
1.317	1.02	7.317	7.15	13.317	2.11	19.32	1.15
1.333	1.02	7.333	7.15	13.333	2.11	19.33	1.15
1.350	1.04	7.350	9.42	13.350	2.06	19.35	1.14
1.367	1.04	7.367	9.42	13.367	2.06	19.37	1.14
1.383	1.04	7.383	9.42	13.383	2.06	19.38	1.14
1.400	1.04	7.400	9.42	13.400	2.06	19.40	1.14
1.417	1.04	7.417	9.42	13.417	2.06	19.42	1.14
1.433	1.04	7.433	9.42	13.433	2.06	19.43	1.14
1.450	1.04	7.450	9.42	13.450	2.06	19.45	1.14
1.467	1.04	7.467	9.42	13.467	2.06	19.47	1.14
1.483	1.04	7.483	9.42	13.483	2.06	19.48	1.14
1.500	1.04	7.500	9.43	13.500	2.06	19.50	1.14
1.517	1.06	7.517	14.31	13.517	2.01	19.52	1.13
1.533	1.06	7.533	14.31	13.533	2.01	19.53	1.13
1.550	1.06	7.550	14.31	13.550	2.01	19.55	1.13
1.567	1.06	7.567	14.31	13.567	2.01	19.57	1.13
1.583	1.06	7.583	14.31	13.583	2.01	19.58	1.13
1.600	1.06	7.600	14.31	13.600	2.01	19.60	1.13
1.617	1.06	7.617	14.31	13.617	2.01	19.62	1.13
1.633	1.06	7.633	14.31	13.633	2.01	19.63	1.13
1.650	1.06	7.650	14.31	13.650	2.01	19.65	1.13
1.667	1.06	7.667	14.37	13.667	2.01	19.67	1.13
1.683	1.08	7.683	34.08	13.683	1.97	19.68	1.11
1.700	1.08	7.700	34.08	13.700	1.97	19.70	1.11
1.717	1.08	7.717	34.08	13.717	1.97	19.72	1.11
1.733	1.08	7.733	34.08	13.733	1.97	19.73	1.11
1.750	1.08	7.750	34.08	13.750	1.97	19.75	1.11
1.767	1.08	7.767	34.08	13.767	1.97	19.77	1.11
1.783	1.08	7.783	34.08	13.783	1.97	19.78	1.11
1.800	1.08	7.800	34.08	13.800	1.97	19.80	1.11
1.817	1.08	7.817	34.08	13.817	1.97	19.82	1.11
1.833	1.08	7.833	34.39	13.833	1.97	19.83	1.11

1.850	1.11	7.850	143.01	13.850	1.92	19.85	1.10
1.867	1.11	7.867	143.01	13.867	1.92	19.87	1.10
1.883	1.11	7.883	143.01	13.883	1.92	19.88	1.10
1.900	1.11	7.900	143.01	13.900	1.92	19.90	1.10
1.917	1.11	7.917	143.01	13.917	1.92	19.92	1.10
1.933	1.11	7.933	143.01	13.933	1.92	19.93	1.10
1.950	1.11	7.950	143.01	13.950	1.92	19.95	1.10
1.967	1.11	7.967	143.01	13.967	1.92	19.97	1.10
1.983	1.11	7.983	143.01	13.983	1.92	19.98	1.10
2.000	1.11	8.000	142.72	14.000	1.92	20.00	1.10
2.017	1.13	8.017	44.65	14.017	1.88	20.02	1.09
2.033	1.13	8.033	44.65	14.033	1.88	20.03	1.09
2.050	1.13	8.050	44.65	14.050	1.88	20.05	1.09
2.067	1.13	8.067	44.65	14.067	1.88	20.07	1.09
2.083	1.13	8.083	44.65	14.083	1.88	20.08	1.09
2.100	1.13	8.100	44.65	14.100	1.88	20.10	1.09
2.117	1.13	8.117	44.65	14.117	1.88	20.12	1.09
2.133	1.13	8.133	44.65	14.133	1.88	20.13	1.09
2.150	1.13	8.150	44.65	14.150	1.88	20.15	1.09
2.167	1.13	8.167	44.59	14.167	1.88	20.17	1.09
2.183	1.16	8.183	23.56	14.183	1.84	20.18	1.08
2.200	1.16	8.200	23.56	14.200	1.84	20.20	1.08
2.217	1.16	8.217	23.56	14.217	1.84	20.22	1.08
2.233	1.16	8.233	23.56	14.233	1.84	20.23	1.08
2.250	1.16	8.250	23.56	14.250	1.84	20.25	1.08
2.267	1.16	8.267	23.56	14.267	1.84	20.27	1.08
2.283	1.16	8.283	23.56	14.283	1.84	20.28	1.08
2.300	1.16	8.300	23.56	14.300	1.84	20.30	1.08
2.317	1.16	8.317	23.56	14.317	1.84	20.32	1.08
2.333	1.16	8.333	23.54	14.333	1.84	20.33	1.08
2.350	1.19	8.350	16.20	14.350	1.80	20.35	1.07
2.367	1.19	8.367	16.20	14.367	1.80	20.37	1.07
2.383	1.19	8.383	16.20	14.383	1.80	20.38	1.07
2.400	1.19	8.400	16.20	14.400	1.80	20.40	1.07
2.417	1.19	8.417	16.20	14.417	1.80	20.42	1.07
2.433	1.19	8.433	16.20	14.433	1.80	20.43	1.07
2.450	1.19	8.450	16.20	14.450	1.80	20.45	1.07
2.467	1.19	8.467	16.20	14.467	1.80	20.47	1.07
2.483	1.19	8.483	16.20	14.483	1.80	20.48	1.07
2.500	1.19	8.500	16.19	14.500	1.80	20.50	1.07
2.517	1.22	8.517	12.46	14.517	1.76	20.52	1.05
2.533	1.22	8.533	12.46	14.533	1.76	20.53	1.05
2.550	1.22	8.550	12.46	14.550	1.76	20.55	1.05
2.567	1.22	8.567	12.46	14.567	1.76	20.57	1.05
2.583	1.22	8.583	12.46	14.583	1.76	20.58	1.05
2.600	1.22	8.600	12.46	14.600	1.76	20.60	1.05
2.617	1.22	8.617	12.46	14.617	1.76	20.62	1.05
2.633	1.22	8.633	12.46	14.633	1.76	20.63	1.05
2.650	1.22	8.650	12.46	14.650	1.76	20.65	1.05
2.667	1.22	8.667	12.45	14.667	1.76	20.67	1.05

2.683	1.25	8.683	10.19	14.683	1.73	20.68	1.04
2.700	1.25	8.700	10.19	14.700	1.73	20.70	1.04
2.717	1.25	8.717	10.19	14.717	1.73	20.72	1.04
2.733	1.25	8.733	10.19	14.733	1.73	20.73	1.04
2.750	1.25	8.750	10.19	14.750	1.73	20.75	1.04
2.767	1.25	8.767	10.19	14.767	1.73	20.77	1.04
2.783	1.25	8.783	10.19	14.783	1.73	20.78	1.04
2.800	1.25	8.800	10.19	14.800	1.73	20.80	1.04
2.817	1.25	8.817	10.19	14.817	1.73	20.82	1.04
2.833	1.25	8.833	10.19	14.833	1.73	20.83	1.04
2.850	1.28	8.850	8.67	14.850	1.70	20.85	1.03
2.867	1.28	8.867	8.67	14.867	1.70	20.87	1.03
2.883	1.28	8.883	8.67	14.883	1.70	20.88	1.03
2.900	1.28	8.900	8.67	14.900	1.70	20.90	1.03
2.917	1.28	8.917	8.67	14.917	1.70	20.92	1.03
2.933	1.28	8.933	8.67	14.933	1.70	20.93	1.03
2.950	1.28	8.950	8.67	14.950	1.70	20.95	1.03
2.967	1.28	8.967	8.67	14.967	1.70	20.97	1.03
2.983	1.28	8.983	8.67	14.983	1.70	20.98	1.03
3.000	1.28	9.000	8.67	15.000	1.70	21.00	1.03
3.017	1.32	9.017	7.57	15.017	1.66	21.02	1.02
3.033	1.32	9.033	7.57	15.033	1.66	21.03	1.02
3.050	1.32	9.050	7.57	15.050	1.66	21.05	1.02
3.067	1.32	9.067	7.57	15.067	1.66	21.07	1.02
3.083	1.32	9.083	7.57	15.083	1.66	21.08	1.02
3.100	1.32	9.100	7.57	15.100	1.66	21.10	1.02
3.117	1.32	9.117	7.57	15.117	1.66	21.12	1.02
3.133	1.32	9.133	7.57	15.133	1.66	21.13	1.02
3.150	1.32	9.150	7.57	15.150	1.66	21.15	1.02
3.167	1.32	9.167	7.57	15.167	1.66	21.17	1.02
3.183	1.35	9.183	6.74	15.183	1.63	21.18	1.01
3.200	1.35	9.200	6.74	15.200	1.63	21.20	1.01
3.217	1.35	9.217	6.74	15.217	1.63	21.22	1.01
3.233	1.35	9.233	6.74	15.233	1.63	21.23	1.01
3.250	1.35	9.250	6.74	15.250	1.63	21.25	1.01
3.267	1.35	9.267	6.74	15.267	1.63	21.27	1.01
3.283	1.35	9.283	6.74	15.283	1.63	21.28	1.01
3.300	1.35	9.300	6.74	15.300	1.63	21.30	1.01
3.317	1.35	9.317	6.74	15.317	1.63	21.32	1.01
3.333	1.35	9.333	6.74	15.333	1.63	21.33	1.01
3.350	1.39	9.350	6.09	15.350	1.60	21.35	1.00
3.367	1.39	9.367	6.09	15.367	1.60	21.37	1.00
3.383	1.39	9.383	6.09	15.383	1.60	21.38	1.00
3.400	1.39	9.400	6.09	15.400	1.60	21.40	1.00
3.417	1.39	9.417	6.09	15.417	1.60	21.42	1.00
3.433	1.39	9.433	6.09	15.433	1.60	21.43	1.00
3.450	1.39	9.450	6.09	15.450	1.60	21.45	1.00
3.467	1.39	9.467	6.09	15.467	1.60	21.47	1.00
3.483	1.39	9.483	6.09	15.483	1.60	21.48	1.00
3.500	1.39	9.500	6.09	15.500	1.60	21.50	1.00

3.517	1.44	9.517	5.56	15.517	1.58	21.52	0.99
3.533	1.44	9.533	5.56	15.533	1.58	21.53	0.99
3.550	1.44	9.550	5.56	15.550	1.58	21.55	0.99
3.567	1.44	9.567	5.56	15.567	1.58	21.57	0.99
3.583	1.44	9.583	5.56	15.583	1.58	21.58	0.99
3.600	1.44	9.600	5.56	15.600	1.58	21.60	0.99
3.617	1.44	9.617	5.56	15.617	1.58	21.62	0.99
3.633	1.44	9.633	5.56	15.633	1.58	21.63	0.99
3.650	1.44	9.650	5.56	15.650	1.58	21.65	0.99
3.667	1.44	9.667	5.56	15.667	1.58	21.67	0.99
3.683	1.48	9.683	5.13	15.683	1.55	21.68	0.98
3.700	1.48	9.700	5.13	15.700	1.55	21.70	0.98
3.717	1.48	9.717	5.13	15.717	1.55	21.72	0.98
3.733	1.48	9.733	5.13	15.733	1.55	21.73	0.98
3.750	1.48	9.750	5.13	15.750	1.55	21.75	0.98
3.767	1.48	9.767	5.13	15.767	1.55	21.77	0.98
3.783	1.48	9.783	5.13	15.783	1.55	21.78	0.98
3.800	1.48	9.800	5.13	15.800	1.55	21.80	0.98
3.817	1.48	9.817	5.13	15.817	1.55	21.82	0.98
3.833	1.48	9.833	5.13	15.833	1.55	21.83	0.98
3.850	1.53	9.850	4.76	15.850	1.52	21.85	0.97
3.867	1.53	9.867	4.76	15.867	1.52	21.87	0.97
3.883	1.53	9.883	4.76	15.883	1.52	21.88	0.97
3.900	1.53	9.900	4.76	15.900	1.52	21.90	0.97
3.917	1.53	9.917	4.76	15.917	1.52	21.92	0.97
3.933	1.53	9.933	4.76	15.933	1.52	21.93	0.97
3.950	1.53	9.950	4.76	15.950	1.52	21.95	0.97
3.967	1.53	9.967	4.76	15.967	1.52	21.97	0.97
3.983	1.53	9.983	4.76	15.983	1.52	21.98	0.97
4.000	1.53	10.000	4.76	16.000	1.52	22.00	0.97
4.017	1.59	10.017	4.45	16.017	1.50	22.02	0.96
4.033	1.59	10.033	4.45	16.033	1.50	22.03	0.96
4.050	1.59	10.050	4.45	16.050	1.50	22.05	0.96
4.067	1.59	10.067	4.45	16.067	1.50	22.07	0.96
4.083	1.59	10.083	4.45	16.083	1.50	22.08	0.96
4.100	1.59	10.100	4.45	16.100	1.50	22.10	0.96
4.117	1.59	10.117	4.45	16.117	1.50	22.12	0.96
4.133	1.59	10.133	4.45	16.133	1.50	22.13	0.96
4.150	1.59	10.150	4.45	16.150	1.50	22.15	0.96
4.167	1.59	10.167	4.45	16.167	1.50	22.17	0.96
4.183	1.65	10.183	4.18	16.183	1.47	22.18	0.96
4.200	1.65	10.200	4.18	16.200	1.47	22.20	0.96
4.217	1.65	10.217	4.18	16.217	1.47	22.22	0.96
4.233	1.65	10.233	4.18	16.233	1.47	22.23	0.96
4.250	1.65	10.250	4.18	16.250	1.47	22.25	0.96
4.267	1.65	10.267	4.18	16.267	1.47	22.27	0.96
4.283	1.65	10.283	4.18	16.283	1.47	22.28	0.96
4.300	1.65	10.300	4.18	16.300	1.47	22.30	0.96
4.317	1.65	10.317	4.18	16.317	1.47	22.32	0.96
4.333	1.65	10.333	4.18	16.333	1.47	22.33	0.96
4.350	1.71	10.350	3.95	16.350	1.45	22.35	0.95
4.367	1.71	10.367	3.95	16.367	1.45	22.37	0.95
4.383	1.71	10.383	3.95	16.383	1.45	22.38	0.95
4.400	1.71	10.400	3.95	16.400	1.45	22.40	0.95
4.417	1.71	10.417	3.95	16.417	1.45	22.42	0.95
4.433	1.71	10.433	3.95	16.433	1.45	22.43	0.95
4.450	1.71	10.450	3.95	16.450	1.45	22.45	0.95
4.467	1.71	10.467	3.95	16.467	1.45	22.47	0.95
4.483	1.71	10.483	3.95	16.483	1.45	22.48	0.95
4.500	1.71	10.500	3.95	16.500	1.45	22.50	0.95
4.517	1.78	10.517	3.74	16.517	1.43	22.52	0.94
4.533	1.78	10.533	3.74	16.533	1.43	22.53	0.94
4.550	1.78	10.550	3.74	16.550	1.43	22.55	0.94
4.567	1.78	10.567	3.74	16.567	1.43	22.57	0.94
4.583	1.78	10.583	3.74	16.583	1.43	22.58	0.94
4.600	1.78	10.600	3.74	16.600	1.43	22.60	0.94
4.617	1.78	10.617	3.74	16.617	1.43	22.62	0.94
4.633	1.78	10.633	3.74	16.633	1.43	22.63	0.94
4.650	1.78	10.650	3.74	16.650	1.43	22.65	0.94
4.667	1.78	10.667	3.74	16.667	1.43	22.67	0.94
4.683	1.86	10.683	3.55	16.683	1.41	22.68	0.93
4.700	1.86	10.700	3.55	16.700	1.41	22.70	0.93
4.717	1.86	10.717	3.55	16.717	1.41	22.72	0.93
4.733	1.86	10.733	3.55	16.733	1.41	22.73	0.93
4.750	1.86	10.750	3.55	16.750	1.41	22.75	0.93
4.767	1.86	10.767	3.55	16.767	1.41	22.77	0.93
4.783	1.86	10.783	3.55	16.783	1.41	22.78	0.93
4.800	1.86	10.800	3.55	16.800	1.41	22.80	0.93
4.817	1.86	10.817	3.55	16.817	1.41	22.82	0.93
4.833	1.86	10.833	3.55	16.833	1.41	22.83	0.93
4.850	1.94	10.850	3.39	16.850	1.39	22.85	0.92
4.867	1.94	10.867	3.39	16.867	1.39	22.87	0.92
4.883	1.94	10.883	3.39	16.883	1.39	22.88	0.92
4.900	1.94	10.900	3.39	16.900	1.39	22.90	0.92
4.917	1.94	10.917	3.39	16.917	1.39	22.92	0.92
4.933	1.94	10.933	3.39	16.933	1.39	22.93	0.92
4.950	1.94	10.950	3.39	16.950	1.39	22.95	0.92
4.967	1.94	10.967	3.39	16.967	1.39	22.97	0.92
4.983	1.94	10.983	3.39	16.983	1.39	22.98	0.92
5.000	1.94	11.000	3.39	17.000	1.39	23.00	0.92
5.017	2.03	11.017	3.24	17.017	1.37	23.02	0.91
5.033	2.03	11.033	3.24	17.033	1.37	23.03	0.91
5.050	2.03	11.050	3.24	17.050	1.37	23.05	0.91
5.067	2.03	11.067	3.24	17.067	1.37	23.07	0.91
5.083	2.03	11.083	3.24	17.083	1.37	23.08	0.91
5.100	2.03	11.100	3.24	17.100	1.37	23.10	0.91
5.117	2.03	11.117	3.24	17.117	1.37	23.12	0.91
5.133	2.03	11.133	3.24	17.133	1.37	23.13	0.91
5.150	2.03	11.150	3.24	17.150	1.37	23.15	0.91
5.167	2.03	11.167	3.24	17.167	1.37	23.17	0.91
5.183	2.14	11.183	3.11	17.183	1.35	23.18	0.91
5.200	2.14	11.200	3.11	17.200	1.35	23.20	0.91
5.217	2.14	11.217	3.11	17.217	1.35	23.22	0.91
5.233	2.14	11.233	3.11	17.233	1.35	23.23	0.91
5.250	2.14	11.250	3.11	17.250	1.35	23.25	0.91
5.267	2.14	11.267	3.11	17.267	1.35	23.27	0.91
5.283	2.14	11.283	3.11	17.283	1.35	23.28	0.91
5.300	2.14	11.300	3.11	17.300	1.35	23.30	0.91
5.317	2.14	11.317	3.11	17.317	1.35	23.32	0.91
5.333	2.14	11.333	3.11	17.333	1.35	23.33	0.91
5.350	2.26	11.350	2.98	17.350	1.33	23.35	0.90
5.367	2.26	11.367	2.98	17.367	1.33	23.37	0.90
5.383	2.26	11.383	2.98	17.383	1.33	23.38	0.90
5.400	2.26	11.400	2.98	17.400	1.33	23.40	0.90
5.417	2.26	11.417	2.98	17.417	1.33	23.42	0.90
5.433	2.26	11.433	2.98	17.433	1.33	23.43	0.90
5.450	2.26	11.450	2.98	17.450	1.33	23.45	0.90
5.467	2.26	11.467	2.98	17.467	1.33	23.47	0.90
5.483	2.26	11.483	2.98	17.483	1.33	23.48	0.90
5.500	2.26	11.500	2.98	17.500	1.33	23.50	0.90
5.517	2.39	11.517	2.87	17.517	1.31	23.52	0.89
5.533	2.39	11.533	2.87	17.533	1.31	23.53	0.89
5.550	2.39	11.550	2.87	17.550	1.31	23.55	0.89
5.567	2.39	11.567	2.87	17.567	1.31	23.57	0.89
5.583	2.39	11.583	2.87	17.583	1.31	23.58	0.89
5.600	2.39	11.600	2.87	17.600	1.31	23.60	0.89
5.617	2.39	11.617	2.87	17.617	1.31	23.62	0.89
5.633	2.39	11.633	2.87	17.633	1.31	23.63	0.89
5.650	2.39	11.650	2.87	17.650	1.31	23.65	0.89
5.667	2.39	11.667	2.87	17.667	1.31	23.67	0.89
5.683	2.54	11.683	2.77	17.683	1.29	23.68	0.88
5.700	2.54	11.700	2.77	17.700	1.29	23.70	0.88
5.717	2.54	11.717	2.77	17.717	1.29	23.72	0.88
5.733	2.54	11.733	2.77	17.733	1.29	23.73	0.88
5.750	2.54	11.750	2.77	17.750	1.29	23.75	0.88
5.767	2.54	11.767	2.77	17.767	1.29	23.77	0.88
5.783	2.54	11.783	2.77	17.783	1.29	23.78	0.88
5.800	2.54	11.800	2.77	17.800	1.29	23.80	0.88
5.817	2.54	11.817	2.77	17.817	1.29	23.82	0.88
5.833	2.54	11.833	2.77	17.833	1.29	23.83	0.88
5.850	2.72	11.850	2.67	17.850	1.27	23.85	0.88
5.867	2.72	11.867	2.67	17.867	1.27	23.87	0.88
5.883	2.72	11.883	2.67	17.883	1.27	23.88	0.88
5.900	2.72	11.900	2.67	17.900	1.27	23.90	0.88
5.917	2.72	11.917	2.67	17.917	1.27	23.92	0.88
5.933	2.72	11.933	2.67	17.933	1.27	23.93	0.88
5.950	2.72	11.950	2.67	17.950	1.27	23.95	0.88
5.967	2.72	11.967	2.67	17.967	1.27	23.97	0.88
5.983	2.72	11.983	2.67	17.983	1.27	23.98	0.88
6.000	2.72	12.000	2.67	18.000	1.27	24.00	0.88

Max.Eff.Inten.(mm/hr)=	143.01	92.02	
over (min)	5.00	8.00	
Storage Coeff. (min)=	4.46 (ii)	7.00 (ii)	
Unit Hyd. Tpeak (min)=	5.00	8.00	
Unit Hyd. peak (cms)=	0.24	0.15	
			TOTALS
PEAK FLOW (cms)=	4.80	0.29	5.059 (iii)
TIME TO PEAK (hrs)=	8.02	8.07	8.02
RUNOFF VOLUME (mm)=	96.00	61.86	92.59
TOTAL RAINFALL (mm)=	97.01	97.01	97.01
RUNOFF COEFFICIENT =	0.99	0.64	0.95

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

CALIB
STANDHYD (0013) | Area (ha)= 2.56
ID= 1 DT= 1.0 min | Total Imp(%)= 99.00 Dir. Conn.(%)= 99.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	2.53	0.03
Dep. Storage	(mm)=	1.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	130.64	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.89	6.017	2.92	12.017	2.59	18.02	1.26
0.033	0.89	6.033	2.92	12.033	2.59	18.03	1.26
0.050	0.89	6.050	2.92	12.050	2.59	18.05	1.26
0.067	0.89	6.067	2.92	12.067	2.59	18.07	1.26
0.083	0.89	6.083	2.92	12.083	2.59	18.08	1.26
0.100	0.89	6.100	2.92	12.100	2.59	18.10	1.26
0.117	0.89	6.117	2.92	12.117	2.59	18.12	1.26
0.133	0.89	6.133	2.92	12.133	2.59	18.13	1.26
0.150	0.89	6.150	2.92	12.150	2.59	18.15	1.26
0.167	0.89	6.167	2.92	12.167	2.59	18.17	1.26
0.183	0.91	6.183	3.17	12.183	2.50	18.18	1.24

0.200	0.91	6.200	3.17	12.200	2.50	18.20	1.24
0.217	0.91	6.217	3.17	12.217	2.50	18.22	1.24
0.233	0.91	6.233	3.17	12.233	2.50	18.23	1.24
0.250	0.91	6.250	3.17	12.250	2.50	18.25	1.24
0.267	0.91	6.267	3.17	12.267	2.50	18.27	1.24
0.283	0.91	6.283	3.17	12.283	2.50	18.28	1.24
0.300	0.91	6.300	3.17	12.300	2.50	18.30	1.24
0.317	0.91	6.317	3.17	12.317	2.50	18.32	1.24
0.333	0.91	6.333	3.17	12.333	2.50	18.33	1.24
0.350	0.92	6.350	3.47	12.350	2.43	18.35	1.22
0.367	0.92	6.367	3.47	12.367	2.43	18.37	1.22
0.383	0.92	6.383	3.47	12.383	2.43	18.38	1.22
0.400	0.92	6.400	3.47	12.400	2.43	18.40	1.22
0.417	0.92	6.417	3.47	12.417	2.43	18.42	1.22
0.433	0.92	6.433	3.47	12.433	2.43	18.43	1.22
0.450	0.92	6.450	3.47	12.450	2.43	18.45	1.22
0.467	0.92	6.467	3.47	12.467	2.43	18.47	1.22
0.483	0.92	6.483	3.47	12.483	2.43	18.48	1.22
0.500	0.92	6.500	3.47	12.500	2.43	18.50	1.22
0.517	0.94	6.517	3.84	12.517	2.36	18.52	1.21
0.533	0.94	6.533	3.84	12.533	2.36	18.53	1.21
0.550	0.94	6.550	3.84	12.550	2.36	18.55	1.21
0.567	0.94	6.567	3.84	12.567	2.36	18.57	1.21
0.583	0.94	6.583	3.84	12.583	2.36	18.58	1.21
0.600	0.94	6.600	3.84	12.600	2.36	18.60	1.21
0.617	0.94	6.617	3.84	12.617	2.36	18.62	1.21
0.633	0.94	6.633	3.84	12.633	2.36	18.63	1.21
0.650	0.94	6.650	3.84	12.650	2.36	18.65	1.21
0.667	0.94	6.667	3.84	12.667	2.36	18.67	1.21
0.683	0.96	6.683	4.31	12.683	2.29	18.68	1.19
0.700	0.96	6.700	4.31	12.700	2.29	18.70	1.19
0.717	0.96	6.717	4.31	12.717	2.29	18.72	1.19
0.733	0.96	6.733	4.31	12.733	2.29	18.73	1.19
0.750	0.96	6.750	4.31	12.750	2.29	18.75	1.19
0.767	0.96	6.767	4.31	12.767	2.29	18.77	1.19
0.783	0.96	6.783	4.31	12.783	2.29	18.78	1.19
0.800	0.96	6.800	4.31	12.800	2.29	18.80	1.19
0.817	0.96	6.817	4.31	12.817	2.29	18.82	1.19
0.833	0.96	6.833	4.31	12.833	2.29	18.83	1.19
0.850	0.98	6.850	4.94	12.850	2.23	18.85	1.18
0.867	0.98	6.867	4.94	12.867	2.23	18.87	1.18
0.883	0.98	6.883	4.94	12.883	2.23	18.88	1.18
0.900	0.98	6.900	4.94	12.900	2.23	18.90	1.18
0.917	0.98	6.917	4.94	12.917	2.23	18.92	1.18
0.933	0.98	6.933	4.94	12.933	2.23	18.93	1.18
0.950	0.98	6.950	4.94	12.950	2.23	18.95	1.18
0.967	0.98	6.967	4.94	12.967	2.23	18.97	1.18
0.983	0.98	6.983	4.94	12.983	2.23	18.98	1.18
1.000	0.98	7.000	4.94	13.000	2.23	19.00	1.18
1.017	1.00	7.017	5.82	13.017	2.17	19.02	1.17
1.033	1.00	7.033	5.82	13.033	2.17	19.03	1.17
1.050	1.00	7.050	5.82	13.050	2.17	19.05	1.17
1.067	1.00	7.067	5.82	13.067	2.17	19.07	1.17
1.083	1.00	7.083	5.82	13.083	2.17	19.08	1.17
1.100	1.00	7.100	5.82	13.100	2.17	19.10	1.17
1.117	1.00	7.117	5.82	13.117	2.17	19.12	1.17
1.133	1.00	7.133	5.82	13.133	2.17	19.13	1.17
1.150	1.00	7.150	5.82	13.150	2.17	19.15	1.17
1.167	1.00	7.167	5.82	13.167	2.17	19.17	1.17
1.183	1.02	7.183	7.15	13.183	2.11	19.18	1.15
1.200	1.02	7.200	7.15	13.200	2.11	19.20	1.15
1.217	1.02	7.217	7.15	13.217	2.11	19.22	1.15
1.233	1.02	7.233	7.15	13.233	2.11	19.23	1.15
1.250	1.02	7.250	7.15	13.250	2.11	19.25	1.15
1.267	1.02	7.267	7.15	13.267	2.11	19.27	1.15
1.283	1.02	7.283	7.15	13.283	2.11	19.28	1.15
1.300	1.02	7.300	7.15	13.300	2.11	19.30	1.15
1.317	1.02	7.317	7.15	13.317	2.11	19.32	1.15
1.333	1.02	7.333	7.15	13.333	2.11	19.33	1.15
1.350	1.04	7.350	9.42	13.350	2.06	19.35	1.14
1.367	1.04	7.367	9.42	13.367	2.06	19.37	1.14
1.383	1.04	7.383	9.42	13.383	2.06	19.38	1.14
1.400	1.04	7.400	9.42	13.400	2.06	19.40	1.14
1.417	1.04	7.417	9.42	13.417	2.06	19.42	1.14
1.433	1.04	7.433	9.42	13.433	2.06	19.43	1.14
1.450	1.04	7.450	9.42	13.450	2.06	19.45	1.14
1.467	1.04	7.467	9.42	13.467	2.06	19.47	1.14
1.483	1.04	7.483	9.42	13.483	2.06	19.48	1.14
1.500	1.04	7.500	9.43	13.500	2.06	19.50	1.14
1.517	1.06	7.517	14.31	13.517	2.01	19.52	1.13
1.533	1.06	7.533	14.31	13.533	2.01	19.53	1.13
1.550	1.06	7.550	14.31	13.550	2.01	19.55	1.13
1.567	1.06	7.567	14.31	13.567	2.01	19.57	1.13
1.583	1.06	7.583	14.31	13.583	2.01	19.58	1.13
1.600	1.06	7.600	14.31	13.600	2.01	19.60	1.13
1.617	1.06	7.617	14.31	13.617	2.01	19.62	1.13
1.633	1.06	7.633	14.31	13.633	2.01	19.63	1.13
1.650	1.06	7.650	14.31	13.650	2.01	19.65	1.13
1.667	1.06	7.667	14.37	13.667	2.01	19.67	1.13
1.683	1.08	7.683	34.08	13.683	1.97	19.68	1.11
1.700	1.08	7.700	34.08	13.700	1.97	19.70	1.11
1.717	1.08	7.717	34.08	13.717	1.97	19.72	1.11
1.733	1.08	7.733	34.08	13.733	1.97	19.73	1.11
1.750	1.08	7.750	34.08	13.750	1.97	19.75	1.11
1.767	1.08	7.767	34.08	13.767	1.97	19.77	1.11
1.783	1.08	7.783	34.08	13.783	1.97	19.78	1.11
1.800	1.08	7.800	34.08	13.800	1.97	19.80	1.11
1.817	1.08	7.817	34.08	13.817	1.97	19.82	1.11
1.833	1.08	7.833	34.39	13.833	1.97	19.83	1.11
1.850	1.11	7.850	143.01	13.850	1.92	19.85	1.10
1.867	1.11	7.867	143.01	13.867	1.92	19.87	1.10
1.883	1.11	7.883	143.01	13.883	1.92	19.88	1.10
1.900	1.11	7.900	143.01	13.900	1.92	19.90	1.10
1.917	1.11	7.917	143.01	13.917	1.92	19.92	1.10
1.933	1.11	7.933	143.01	13.933	1.92	19.93	1.10
1.950	1.11	7.950	143.01	13.950	1.92	19.95	1.10
1.967	1.11	7.967	143.01	13.967	1.92	19.97	1.10
1.983	1.11	7.983	143.01	13.983	1.92	19.98	1.10
2.000	1.11	8.000	142.72	14.000	1.92	20.00	1.10
2.017	1.13	8.017	44.65	14.017	1.88	20.02	1.09
2.033	1.13	8.033	44.65	14.033	1.88	20.03	1.09
2.050	1.13	8.050	44.65	14.050	1.88	20.05	1.09
2.067	1.13	8.067	44.65	14.067	1.88	20.07	1.09
2.083	1.13	8.083	44.65	14.083	1.88	20.08	1.09
2.100	1.13	8.100	44.65	14.100	1.88	20.10	1.09
2.117	1.13	8.117	44.65	14.117	1.88	20.12	1.09
2.133	1.13	8.133	44.65	14.133	1.88	20.13	1.09
2.150	1.13	8.150	44.65	14.150	1.88	20.15	1.09
2.167	1.13	8.167	44.59	14.167	1.88	20.17	1.09
2.183	1.16	8.183	23.56	14.183	1.84	20.18	1.08
2.200	1.16	8.200	23.56	14.200	1.84	20.20	1.08
2.217	1.16	8.217	23.56	14.217	1.84	20.22	1.08
2.233	1.16	8.233	23.56	14.233	1.84	20.23	1.08
2.250	1.16	8.250	23.56	14.250	1.84	20.25	1.08
2.267	1.16	8.267	23.56	14.267	1.84	20.27	1.08
2.283	1.16	8.283	23.56	14.283	1.84	20.28	1.08
2.300	1.16	8.300	23.56	14.300	1.84	20.30	1.08
2.317	1.16	8.317	23.56	14.317	1.84	20.32	1.08
2.333	1.16	8.333	23.54	14.333	1.84	20.33	1.08
2.350	1.19	8.350	16.20	14.350	1.80	20.35	1.07
2.367	1.19	8.367	16.20	14.367	1.80	20.37	1.07
2.383	1.19	8.383	16.20	14.383	1.80	20.38	1.07
2.400	1.19	8.400	16.20	14.400	1.80	20.40	1.07
2.417	1.19	8.417	16.20	14.417	1.80	20.42	1.07
2.433	1.19	8.433	16.20	14.433	1.80	20.43	1.07
2.450	1.19	8.450	16.20	14.450	1.80	20.45	1.07
2.467	1.19	8.467	16.20	14.467	1.80	20.47	1.07
2.483	1.19	8.483	16.20	14.483	1.80	20.48	1.07
2.500	1.19	8.500	16.19	14.500	1.80	20.50	1.07
2.517	1.22	8.517	12.46	14.517	1.76	20.52	1.05
2.533	1.22	8.533	12.46	14.533	1.76	20.53	1.05
2.550	1.22	8.550	12.46	14.550	1.76	20.55	1.05
2.567	1.22	8.567	12.46	14.567	1.76	20.57	1.05
2.583	1.22	8.583	12.46	14.583	1.76	20.58	1.05
2.600	1.22	8.600	12.46	14.600	1.76	20.60	1.05
2.617	1.22	8.617	12.46	14.617	1.76	20.62	1.05
2.633	1.22	8.633	12.46	14.633	1.76	20.63	1.05
2.650	1.22	8.650	12.46	14.650	1.76	20.65	1.05
2.667	1.22	8.667	12.45	14.667	1.76	20.67	1.05
2.683	1.25	8.683	10.19	14.683	1.73	20.68	1.04
2.700	1.25	8.700	10.19	14.700	1.73	20.70	1.04
2.717	1.25	8.717	10.19	14.717	1.73	20.72	1.04
2.733	1.25	8.733	10.19	14.733	1.73	20.73	1.04
2.750	1.25	8.750	10.19	14.750	1.73	20.75	1.04
2.767	1.25	8.767	10.19	14.767	1.73	20.77	1.04
2.783	1.25	8.783	10.19	14.783	1.73	20.78	1.04
2.800	1.25	8.800	10.19	14.800	1.73	20.80	1.04
2.817	1.25	8.817	10.19	14.817	1.73	20.82	1.04
2.833	1.25	8.833	10.19	14.833	1.73	20.83	1.04
2.850	1.28	8.850	8.67	14.850	1.70	20.85	1.03
2.867	1.28	8.867	8.67	14.867	1.70	20.87	1.03
2.883	1.28	8.883	8.67	14.883	1.70	20.88	1.03
2.900	1.28	8.900	8.67	14.900	1.70	20.90	1.03
2.917	1.28	8.917	8.67	14.917	1.70	20.92	1.03
2.933	1.28	8.933	8.67	14.933	1.70	20.93	1.03
2.950	1.28	8.950	8.67	14.950	1.70	20.95	1.03
2.967	1.28	8.967	8.67	14.967	1.70	20.97	1.03
2.983	1.28	8.983	8.67	14.983	1.70	20.98	1.03
3.000	1.28	9.000	8.67	15.000	1.70	21.00	1.03
3.017	1.32	9.017	7.57	15.017	1.66	21.02	1.02
3.033	1.32	9.033	7.57	15.033	1.66	21.03	1.02
3.050	1.32	9.050	7.57	15.050	1.66	21.05	1.02
3.067	1.32	9.067	7.57	15.067	1.66	21.07	1.02
3.083	1.32	9.083	7.57	15.083	1.66	21.08	1.02
3.100	1.32	9.100	7.57	15.100	1.66	21.10	1.02
3.117	1.32	9.117	7.57	15.117	1.66	21.12	1.02
3.133	1.32	9.133	7.57	15.133	1.66	21.13	1.02
3.150	1.32	9.150	7.57	15.150	1.66	21.15	1.02
3.167	1.32	9.167	7.57	15.167	1.66	21.17	1.02
3.183	1.35	9.183	6.74	15.183	1.63	21.18	1.01
3.200	1.35	9.200	6.74	15.200	1.63	21.20	1.01
3.217	1.35	9.217	6.74	15.217	1.63	21.22	1.01
3.233	1.35	9.233	6.74	15.233	1.63	21.23	1.01
3.250	1.35	9.250	6.74	15.250	1.63	21.25	1.01
3.267	1.35	9.267	6.74	15.267	1.63	21.27	1.01
3.283	1.35	9.283	6.74	15.283	1.63	21.28	1.01
3.300	1.35	9.300	6.74	15.300	1.63	21.30	1.01
3.317	1.35	9.317	6.74	15.317	1.63	21.32	1.01
3.333	1.35	9.333	6.74	15.333	1.63	21.33	1.01
3.350	1.39	9.350	6.09	15.350	1.60	21.35	1.00
3.367	1.39	9.367	6.09	15.367	1.60	21.37	1.00
3.383	1.39	9.383	6.09	15.383	1.60	21.38	1.00
3.400	1.39	9.400	6.09	15.400	1.60	21.40	1.00
3.417	1.39	9.417	6.09	15.417	1.60	21.42	1.00
3.433	1.39	9.433	6.09	15.433	1.60	21.43	1.00
3.450	1.39	9.450	6.09	15.450	1.60	21.45	1.00
3.467	1.39	9.467	6.09	15.467	1.60	21.47	1.00
3.483	1.39	9.483	6.09	15.483	1.60	21.48	1.00
3.500	1.39	9.500	6.09	15.500	1.60	21.50	1.00
3.517	1.44	9.517	5.56	15.517	1.58	21.52	0.99

3.533	1.44	9.533	5.56	15.533	1.58	21.53	0.99
3.550	1.44	9.550	5.56	15.550	1.58	21.55	0.99
3.567	1.44	9.567	5.56	15.567	1.58	21.57	0.99
3.583	1.44	9.583	5.56	15.583	1.58	21.58	0.99
3.600	1.44	9.600	5.56	15.600	1.58	21.60	0.99
3.617	1.44	9.617	5.56	15.617	1.58	21.62	0.99
3.633	1.44	9.633	5.56	15.633	1.58	21.63	0.99
3.650	1.44	9.650	5.56	15.650	1.58	21.65	0.99
3.667	1.44	9.667	5.56	15.667	1.58	21.67	0.99
3.683	1.48	9.683	5.13	15.683	1.55	21.68	0.98
3.700	1.48	9.700	5.13	15.700	1.55	21.70	0.98
3.717	1.48	9.717	5.13	15.717	1.55	21.72	0.98
3.733	1.48	9.733	5.13	15.733	1.55	21.73	0.98
3.750	1.48	9.750	5.13	15.750	1.55	21.75	0.98
3.767	1.48	9.767	5.13	15.767	1.55	21.77	0.98
3.783	1.48	9.783	5.13	15.783	1.55	21.78	0.98
3.800	1.48	9.800	5.13	15.800	1.55	21.80	0.98
3.817	1.48	9.817	5.13	15.817	1.55	21.82	0.98
3.833	1.48	9.833	5.13	15.833	1.55	21.83	0.98
3.850	1.53	9.850	4.76	15.850	1.52	21.85	0.97
3.867	1.53	9.867	4.76	15.867	1.52	21.87	0.97
3.883	1.53	9.883	4.76	15.883	1.52	21.88	0.97
3.900	1.53	9.900	4.76	15.900	1.52	21.90	0.97
3.917	1.53	9.917	4.76	15.917	1.52	21.92	0.97
3.933	1.53	9.933	4.76	15.933	1.52	21.93	0.97
3.950	1.53	9.950	4.76	15.950	1.52	21.95	0.97
3.967	1.53	9.967	4.76	15.967	1.52	21.97	0.97
3.983	1.53	9.983	4.76	15.983	1.52	21.98	0.97
4.000	1.53	10.000	4.76	16.000	1.52	22.00	0.97
4.017	1.59	10.017	4.45	16.017	1.50	22.02	0.96
4.033	1.59	10.033	4.45	16.033	1.50	22.03	0.96
4.050	1.59	10.050	4.45	16.050	1.50	22.05	0.96
4.067	1.59	10.067	4.45	16.067	1.50	22.07	0.96
4.083	1.59	10.083	4.45	16.083	1.50	22.08	0.96
4.100	1.59	10.100	4.45	16.100	1.50	22.10	0.96
4.117	1.59	10.117	4.45	16.117	1.50	22.12	0.96
4.133	1.59	10.133	4.45	16.133	1.50	22.13	0.96
4.150	1.59	10.150	4.45	16.150	1.50	22.15	0.96
4.167	1.59	10.167	4.45	16.167	1.50	22.17	0.96
4.183	1.65	10.183	4.18	16.183	1.47	22.18	0.96
4.200	1.65	10.200	4.18	16.200	1.47	22.20	0.96
4.217	1.65	10.217	4.18	16.217	1.47	22.22	0.96
4.233	1.65	10.233	4.18	16.233	1.47	22.23	0.96
4.250	1.65	10.250	4.18	16.250	1.47	22.25	0.96
4.267	1.65	10.267	4.18	16.267	1.47	22.27	0.96
4.283	1.65	10.283	4.18	16.283	1.47	22.28	0.96
4.300	1.65	10.300	4.18	16.300	1.47	22.30	0.96
4.317	1.65	10.317	4.18	16.317	1.47	22.32	0.96
4.333	1.65	10.333	4.18	16.333	1.47	22.33	0.96
4.350	1.71	10.350	3.95	16.350	1.45	22.35	0.95
4.367	1.71	10.367	3.95	16.367	1.45	22.37	0.95
4.383	1.71	10.383	3.95	16.383	1.45	22.38	0.95
4.400	1.71	10.400	3.95	16.400	1.45	22.40	0.95
4.417	1.71	10.417	3.95	16.417	1.45	22.42	0.95
4.433	1.71	10.433	3.95	16.433	1.45	22.43	0.95
4.450	1.71	10.450	3.95	16.450	1.45	22.45	0.95
4.467	1.71	10.467	3.95	16.467	1.45	22.47	0.95
4.483	1.71	10.483	3.95	16.483	1.45	22.48	0.95
4.500	1.71	10.500	3.95	16.500	1.45	22.50	0.95
4.517	1.78	10.517	3.74	16.517	1.43	22.52	0.94
4.533	1.78	10.533	3.74	16.533	1.43	22.53	0.94
4.550	1.78	10.550	3.74	16.550	1.43	22.55	0.94
4.567	1.78	10.567	3.74	16.567	1.43	22.57	0.94
4.583	1.78	10.583	3.74	16.583	1.43	22.58	0.94
4.600	1.78	10.600	3.74	16.600	1.43	22.60	0.94
4.617	1.78	10.617	3.74	16.617	1.43	22.62	0.94
4.633	1.78	10.633	3.74	16.633	1.43	22.63	0.94
4.650	1.78	10.650	3.74	16.650	1.43	22.65	0.94
4.667	1.78	10.667	3.74	16.667	1.43	22.67	0.94
4.683	1.86	10.683	3.55	16.683	1.41	22.68	0.93
4.700	1.86	10.700	3.55	16.700	1.41	22.70	0.93
4.717	1.86	10.717	3.55	16.717	1.41	22.72	0.93
4.733	1.86	10.733	3.55	16.733	1.41	22.73	0.93
4.750	1.86	10.750	3.55	16.750	1.41	22.75	0.93
4.767	1.86	10.767	3.55	16.767	1.41	22.77	0.93
4.783	1.86	10.783	3.55	16.783	1.41	22.78	0.93
4.800	1.86	10.800	3.55	16.800	1.41	22.80	0.93
4.817	1.86	10.817	3.55	16.817	1.41	22.82	0.93
4.833	1.86	10.833	3.55	16.833	1.41	22.83	0.93
4.850	1.94	10.850	3.39	16.850	1.39	22.85	0.92
4.867	1.94	10.867	3.39	16.867	1.39	22.87	0.92
4.883	1.94	10.883	3.39	16.883	1.39	22.88	0.92
4.900	1.94	10.900	3.39	16.900	1.39	22.90	0.92
4.917	1.94	10.917	3.39	16.917	1.39	22.92	0.92
4.933	1.94	10.933	3.39	16.933	1.39	22.93	0.92
4.950	1.94	10.950	3.39	16.950	1.39	22.95	0.92
4.967	1.94	10.967	3.39	16.967	1.39	22.97	0.92
4.983	1.94	10.983	3.39	16.983	1.39	22.98	0.92
5.000	1.94	11.000	3.39	17.000	1.39	23.00	0.92
5.017	2.03	11.017	3.24	17.017	1.37	23.02	0.91
5.033	2.03	11.033	3.24	17.033	1.37	23.03	0.91
5.050	2.03	11.050	3.24	17.050	1.37	23.05	0.91
5.067	2.03	11.067	3.24	17.067	1.37	23.07	0.91
5.083	2.03	11.083	3.24	17.083	1.37	23.08	0.91
5.100	2.03	11.100	3.24	17.100	1.37	23.10	0.91
5.117	2.03	11.117	3.24	17.117	1.37	23.12	0.91
5.133	2.03	11.133	3.24	17.133	1.37	23.13	0.91
5.150	2.03	11.150	3.24	17.150	1.37	23.15	0.91
5.167	2.03	11.167	3.24	17.167	1.37	23.17	0.91
5.183	2.14	11.183	3.11	17.183	1.35	23.18	0.91
5.200	2.14	11.200	3.11	17.200	1.35	23.20	0.91
5.217	2.14	11.217	3.11	17.217	1.35	23.22	0.91
5.233	2.14	11.233	3.11	17.233	1.35	23.23	0.91
5.250	2.14	11.250	3.11	17.250	1.35	23.25	0.91
5.267	2.14	11.267	3.11	17.267	1.35	23.27	0.91
5.283	2.14	11.283	3.11	17.283	1.35	23.28	0.91
5.300	2.14	11.300	3.11	17.300	1.35	23.30	0.91
5.317	2.14	11.317	3.11	17.317	1.35	23.32	0.91
5.333	2.14	11.333	3.11	17.333	1.35	23.33	0.91
5.350	2.26	11.350	2.98	17.350	1.33	23.35	0.90
5.367	2.26	11.367	2.98	17.367	1.33	23.37	0.90
5.383	2.26	11.383	2.98	17.383	1.33	23.38	0.90
5.400	2.26	11.400	2.98	17.400	1.33	23.40	0.90
5.417	2.26	11.417	2.98	17.417	1.33	23.42	0.90
5.433	2.26	11.433	2.98	17.433	1.33	23.43	0.90
5.450	2.26	11.450	2.98	17.450	1.33	23.45	0.90
5.467	2.26	11.467	2.98	17.467	1.33	23.47	0.90
5.483	2.26	11.483	2.98	17.483	1.33	23.48	0.90
5.500	2.26	11.500	2.98	17.500	1.33	23.50	0.90
5.517	2.39	11.517	2.87	17.517	1.31	23.52	0.89
5.533	2.39	11.533	2.87	17.533	1.31	23.53	0.89
5.550	2.39	11.550	2.87	17.550	1.31	23.55	0.89
5.567	2.39	11.567	2.87	17.567	1.31	23.57	0.89
5.583	2.39	11.583	2.87	17.583	1.31	23.58	0.89
5.600	2.39	11.600	2.87	17.600	1.31	23.60	0.89
5.617	2.39	11.617	2.87	17.617	1.31	23.62	0.89
5.633	2.39	11.633	2.87	17.633	1.31	23.63	0.89
5.650	2.39	11.650	2.87	17.650	1.31	23.65	0.89
5.667	2.39	11.667	2.87	17.667	1.31	23.67	0.89
5.683	2.54	11.683	2.77	17.683	1.29	23.68	0.88
5.700	2.54	11.700	2.77	17.700	1.29	23.70	0.88
5.717	2.54	11.717	2.77	17.717	1.29	23.72	0.88
5.733	2.54	11.733	2.77	17.733	1.29	23.73	0.88
5.750	2.54	11.750	2.77	17.750	1.29	23.75	0.88
5.767	2.54	11.767	2.77	17.767	1.29	23.77	0.88
5.783	2.54	11.783	2.77	17.783	1.29	23.78	0.88
5.800	2.54	11.800	2.77	17.800	1.29	23.80	0.88
5.817	2.54	11.817	2.77	17.817	1.29	23.82	0.88
5.833	2.54	11.833	2.77	17.833	1.29	23.83	0.88
5.850	2.72	11.850	2.67	17.850	1.27	23.85	0.88
5.867	2.72	11.867	2.67	17.867	1.27	23.87	0.88
5.883	2.72	11.883	2.67	17.883	1.27	23.88	0.88
5.900	2.72	11.900	2.67	17.900	1.27	23.90	0.88
5.917	2.72	11.917	2.67	17.917	1.27	23.92	0.88
5.933	2.72	11.933	2.67	17.933	1.27	23.93	0.88
5.950	2.72	11.950	2.67	17.950	1.27	23.95	0.88
5.967	2.72	11.967	2.67	17.967	1.27	23.97	0.88
5.983	2.72	11.983	2.67	17.983	1.27	23.98	0.88
6.000	2.72	12.000	2.67	18.000	1.27	24.00	0.88

```
    Max.Eff.Inten.(mm/hr)=     143.01        92.02
              over (min)         5.00         4.00
    Storage Coeff.  (min)=      2.60 (ii)    3.57 (ii)
    Unit Hyd. Tpeak (min)=      5.00         4.00
    Unit Hyd. peak  (cms)=      0.33         0.30
                                                        *TOTALS*
    PEAK FLOW       (cms)=      0.96         0.01          0.966 (iii)
    TIME TO PEAK    (hrs)=      8.00         8.02          8.00
    RUNOFF VOLUME    (mm)=     96.00        61.86         95.66
    TOTAL RAINFALL   (mm)=     97.01        97.01         97.01
    RUNOFF COEFFICIENT   =      0.99         0.64          0.99


      (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
           CN*  =  85.0    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.

--------------------------------------------------------------------------------

--------------------
| ADD HYD  (  0012)|
|   1 +  2 =  3    |         AREA    QPEAK    TPEAK     R.V.
--------------------         (ha)    (cms)    (hrs)     (mm)
       ID1= 1 (  0010):    15.53   5.059     8.02    92.59
     + ID2= 2 (  0013):     2.56   0.966     8.00    95.66
       ================================================
       ID = 3 (  0012):    18.09   6.014     8.02    93.03

    NOTE:  PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.
--------------------------------------------------------------------------------
--------------------
| RESERVOIR(  0011)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  1.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
--------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000      0.0000   |    2.8110      0.4813
                          0.0590      0.3542   |    3.2550      0.5511
                          1.5560      0.3695   |    4.0320      0.5885
                          2.2770      0.4312   |    4.6420      0.6202

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0012)     18.090      6.014      8.02      93.03
   OUTFLOW: ID= 1 (  0011)     18.090      3.253      8.13      82.22

                PEAK   FLOW   REDUCTION [Qout/Qin](%)= 54.09
                TIME SHIFT OF PEAK FLOW         (min)=  7.00
                MAXIMUM  STORAGE   USED       (ha.m.)=  0.5511
```

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 FINISH
================================================================================
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       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  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\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\996e83
f8-b648-4675-94a9-f8a5826c9a8e\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\996e83
f8-b648-4675-94a9-f8a5826c9a8e\scenari


DATE: 01-27-2026                          TIME: 01:43:14

USER:


COMMENTS: _____________________________________________________________


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  ***********************************************
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  ** SIMULATION : 6 - 50-Year 24hr Chic - Milto **
  ***********************************************

--------------------
| CHICAGO STORM    |    IDF curve parameters: A=1323.000
| Ptotal=110.01 mm |                          B=   5.300
--------------------                          C=   0.779
                         used in:   INTENSITY =  A / (t + B)^C

                         Duration of storm  = 24.00 hrs
                         Storm time step    = 10.00 min
                         Time to peak ratio =  0.33
```

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	1.05	6.00	3.38	12.00	3.00	18.00	1.47
0.17	1.07	6.17	3.66	12.17	2.90	18.17	1.45
0.33	1.08	6.33	4.00	12.33	2.82	18.33	1.43
0.50	1.10	6.50	4.42	12.50	2.73	18.50	1.41
0.67	1.12	6.67	4.96	12.67	2.66	18.67	1.40
0.83	1.14	6.83	5.67	12.83	2.59	18.83	1.38
1.00	1.17	7.00	6.66	13.00	2.52	19.00	1.36
1.17	1.19	7.17	8.15	13.17	2.46	19.17	1.35
1.33	1.21	7.33	10.70	13.33	2.40	19.33	1.33
1.50	1.24	7.50	16.13	13.50	2.34	19.50	1.32
1.67	1.27	7.67	37.84	13.67	2.29	19.67	1.30
1.83	1.29	7.83	158.18	13.83	2.23	19.83	1.29
2.00	1.32	8.00	49.42	14.00	2.19	20.00	1.27
2.17	1.35	8.17	26.31	14.17	2.14	20.17	1.26
2.33	1.39	8.33	18.21	14.33	2.10	20.33	1.25
2.50	1.42	8.50	14.08	14.50	2.05	20.50	1.23
2.67	1.46	8.67	11.56	14.67	2.01	20.67	1.22
2.83	1.50	8.83	9.86	14.83	1.98	20.83	1.21
3.00	1.54	9.00	8.63	15.00	1.94	21.00	1.20
3.17	1.58	9.17	7.70	15.17	1.90	21.17	1.19
3.33	1.63	9.33	6.96	15.33	1.87	21.33	1.17
3.50	1.68	9.50	6.37	15.50	1.84	21.50	1.16
3.67	1.73	9.67	5.88	15.67	1.81	21.67	1.15
3.83	1.79	9.83	5.47	15.83	1.78	21.83	1.14
4.00	1.85	10.00	5.12	16.00	1.75	22.00	1.13
4.17	1.92	10.17	4.81	16.17	1.72	22.17	1.12
4.33	1.99	10.33	4.55	16.33	1.69	22.33	1.11
4.50	2.07	10.50	4.31	16.50	1.67	22.50	1.10
4.67	2.16	10.67	4.10	16.67	1.64	22.67	1.09
4.83	2.26	10.83	3.91	16.83	1.62	22.83	1.08
5.00	2.36	11.00	3.74	17.00	1.59	23.00	1.07
5.17	2.48	11.17	3.59	17.17	1.57	23.17	1.06
5.33	2.62	11.33	3.45	17.33	1.55	23.33	1.05
5.50	2.77	11.50	3.32	17.50	1.53	23.50	1.04
5.67	2.95	11.67	3.20	17.67	1.51	23.67	1.04
5.83	3.15	11.83	3.10	17.83	1.49	23.83	1.03

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--------------------
| CALIB            |
| STANDHYD (  0010)|   Area    (ha)=  15.53
|ID= 1 DT= 1.0 min |   Total Imp(%)=  90.00   Dir. Conn.(%)=  90.00
--------------------
                          IMPERVIOUS    PERVIOUS (i)
     Surface Area     (ha)=      13.98         1.55
     Dep. Storage     (mm)=       1.00         5.00
     Average Slope     (%)=       1.00         2.00
     Length            (m)=     321.77        40.00
     Mannings n           =      0.013        0.250

         NOTE:  RAINFALL WAS TRANSFORMED TO   1.0 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
0.017	1.05	6.017	3.38	12.017	3.00	18.02	1.47
0.033	1.05	6.033	3.38	12.033	3.00	18.03	1.47
0.050	1.05	6.050	3.38	12.050	3.00	18.05	1.47
0.067	1.05	6.067	3.38	12.067	3.00	18.07	1.47
0.083	1.05	6.083	3.38	12.083	3.00	18.08	1.47
0.100	1.05	6.100	3.38	12.100	3.00	18.10	1.47
0.117	1.05	6.117	3.38	12.117	3.00	18.12	1.47
0.133	1.05	6.133	3.38	12.133	3.00	18.13	1.47
0.150	1.05	6.150	3.38	12.150	3.00	18.15	1.47
0.167	1.05	6.167	3.38	12.167	3.00	18.17	1.47
0.183	1.07	6.183	3.66	12.183	2.90	18.18	1.45
0.200	1.07	6.200	3.66	12.200	2.90	18.20	1.45
0.217	1.07	6.217	3.66	12.217	2.90	18.22	1.45
0.233	1.07	6.233	3.66	12.233	2.90	18.23	1.45
0.250	1.07	6.250	3.66	12.250	2.90	18.25	1.45
0.267	1.07	6.267	3.66	12.267	2.90	18.27	1.45
0.283	1.07	6.283	3.66	12.283	2.90	18.28	1.45
0.300	1.07	6.300	3.66	12.300	2.90	18.30	1.45
0.317	1.07	6.317	3.66	12.317	2.90	18.32	1.45
0.333	1.07	6.333	3.66	12.333	2.90	18.33	1.45
0.350	1.08	6.350	4.00	12.350	2.82	18.35	1.43
0.367	1.08	6.367	4.00	12.367	2.82	18.37	1.43
0.383	1.08	6.383	4.00	12.383	2.82	18.38	1.43
0.400	1.08	6.400	4.00	12.400	2.82	18.40	1.43
0.417	1.08	6.417	4.00	12.417	2.82	18.42	1.43
0.433	1.08	6.433	4.00	12.433	2.82	18.43	1.43
0.450	1.08	6.450	4.00	12.450	2.82	18.45	1.43
0.467	1.08	6.467	4.00	12.467	2.82	18.47	1.43
0.483	1.08	6.483	4.00	12.483	2.82	18.48	1.43
0.500	1.08	6.500	4.00	12.500	2.82	18.50	1.43
0.517	1.10	6.517	4.42	12.517	2.73	18.52	1.41
0.533	1.10	6.533	4.42	12.533	2.73	18.53	1.41
0.550	1.10	6.550	4.42	12.550	2.73	18.55	1.41
0.567	1.10	6.567	4.42	12.567	2.73	18.57	1.41
0.583	1.10	6.583	4.42	12.583	2.73	18.58	1.41
0.600	1.10	6.600	4.42	12.600	2.73	18.60	1.41
0.617	1.10	6.617	4.42	12.617	2.73	18.62	1.41
0.633	1.10	6.633	4.42	12.633	2.73	18.63	1.41
0.650	1.10	6.650	4.42	12.650	2.73	18.65	1.41
0.667	1.10	6.667	4.42	12.667	2.73	18.67	1.41
0.683	1.12	6.683	4.96	12.683	2.66	18.68	1.40
0.700	1.12	6.700	4.96	12.700	2.66	18.70	1.40
0.717	1.12	6.717	4.96	12.717	2.66	18.72	1.40
0.733	1.12	6.733	4.96	12.733	2.66	18.73	1.40
0.750	1.12	6.750	4.96	12.750	2.66	18.75	1.40
0.767	1.12	6.767	4.96	12.767	2.66	18.77	1.40
0.783	1.12	6.783	4.96	12.783	2.66	18.78	1.40
0.800	1.12	6.800	4.96	12.800	2.66	18.80	1.40
0.817	1.12	6.817	4.96	12.817	2.66	18.82	1.40
0.833	1.12	6.833	4.96	12.833	2.66	18.83	1.40
0.850	1.14	6.850	5.67	12.850	2.59	18.85	1.38
0.867	1.14	6.867	5.67	12.867	2.59	18.87	1.38
0.883	1.14	6.883	5.67	12.883	2.59	18.88	1.38
0.900	1.14	6.900	5.67	12.900	2.59	18.90	1.38
0.917	1.14	6.917	5.67	12.917	2.59	18.92	1.38
0.933	1.14	6.933	5.67	12.933	2.59	18.93	1.38
0.950	1.14	6.950	5.67	12.950	2.59	18.95	1.38
0.967	1.14	6.967	5.67	12.967	2.59	18.97	1.38
0.983	1.14	6.983	5.67	12.983	2.59	18.98	1.38
1.000	1.14	7.000	5.67	13.000	2.59	19.00	1.38
1.017	1.17	7.017	6.66	13.017	2.52	19.02	1.36
1.033	1.17	7.033	6.66	13.033	2.52	19.03	1.36
1.050	1.17	7.050	6.66	13.050	2.52	19.05	1.36
1.067	1.17	7.067	6.66	13.067	2.52	19.07	1.36
1.083	1.17	7.083	6.66	13.083	2.52	19.08	1.36
1.100	1.17	7.100	6.66	13.100	2.52	19.10	1.36
1.117	1.17	7.117	6.66	13.117	2.52	19.12	1.36
1.133	1.17	7.133	6.66	13.133	2.52	19.13	1.36
1.150	1.17	7.150	6.66	13.150	2.52	19.15	1.36
1.167	1.17	7.167	6.66	13.167	2.52	19.17	1.36
1.183	1.19	7.183	8.15	13.183	2.46	19.18	1.35
1.200	1.19	7.200	8.15	13.200	2.46	19.20	1.35
1.217	1.19	7.217	8.15	13.217	2.46	19.22	1.35
1.233	1.19	7.233	8.15	13.233	2.46	19.23	1.35
1.250	1.19	7.250	8.15	13.250	2.46	19.25	1.35
1.267	1.19	7.267	8.15	13.267	2.46	19.27	1.35
1.283	1.19	7.283	8.15	13.283	2.46	19.28	1.35
1.300	1.19	7.300	8.15	13.300	2.46	19.30	1.35

1.317	1.19	7.317	8.15	13.317	2.46	19.32	1.35
1.333	1.19	7.333	8.16	13.333	2.46	19.33	1.35
1.350	1.21	7.350	10.70	13.350	2.40	19.35	1.33
1.367	1.21	7.367	10.70	13.367	2.40	19.37	1.33
1.383	1.21	7.383	10.70	13.383	2.40	19.38	1.33
1.400	1.21	7.400	10.70	13.400	2.40	19.40	1.33
1.417	1.21	7.417	10.70	13.417	2.40	19.42	1.33
1.433	1.21	7.433	10.70	13.433	2.40	19.43	1.33
1.450	1.21	7.450	10.70	13.450	2.40	19.45	1.33
1.467	1.21	7.467	10.70	13.467	2.40	19.47	1.33
1.483	1.21	7.483	10.70	13.483	2.40	19.48	1.33
1.500	1.21	7.500	10.71	13.500	2.40	19.50	1.33
1.517	1.24	7.517	16.13	13.517	2.34	19.52	1.32
1.533	1.24	7.533	16.13	13.533	2.34	19.53	1.32
1.550	1.24	7.550	16.13	13.550	2.34	19.55	1.32
1.567	1.24	7.567	16.13	13.567	2.34	19.57	1.32
1.583	1.24	7.583	16.13	13.583	2.34	19.58	1.32
1.600	1.24	7.600	16.13	13.600	2.34	19.60	1.32
1.617	1.24	7.617	16.13	13.617	2.34	19.62	1.32
1.633	1.24	7.633	16.13	13.633	2.34	19.63	1.32
1.650	1.24	7.650	16.13	13.650	2.34	19.65	1.32
1.667	1.24	7.667	16.19	13.667	2.34	19.67	1.32
1.683	1.27	7.683	37.84	13.683	2.29	19.68	1.30
1.700	1.27	7.700	37.84	13.700	2.29	19.70	1.30
1.717	1.27	7.717	37.84	13.717	2.29	19.72	1.30
1.733	1.27	7.733	37.84	13.733	2.29	19.73	1.30
1.750	1.27	7.750	37.84	13.750	2.29	19.75	1.30
1.767	1.27	7.767	37.84	13.767	2.29	19.77	1.30
1.783	1.27	7.783	37.84	13.783	2.29	19.78	1.30
1.800	1.27	7.800	37.84	13.800	2.29	19.80	1.30
1.817	1.27	7.817	37.84	13.817	2.29	19.82	1.30
1.833	1.27	7.833	38.19	13.833	2.29	19.83	1.30
1.850	1.29	7.850	158.18	13.850	2.23	19.85	1.29
1.867	1.29	7.867	158.18	13.867	2.23	19.87	1.29
1.883	1.29	7.883	158.18	13.883	2.23	19.88	1.29
1.900	1.29	7.900	158.18	13.900	2.23	19.90	1.29
1.917	1.29	7.917	158.18	13.917	2.23	19.92	1.29
1.933	1.29	7.933	158.18	13.933	2.23	19.93	1.29
1.950	1.29	7.950	158.18	13.950	2.23	19.95	1.29
1.967	1.29	7.967	158.18	13.967	2.23	19.97	1.29
1.983	1.29	7.983	158.18	13.983	2.23	19.98	1.29
2.000	1.29	8.000	157.86	14.000	2.23	20.00	1.29
2.017	1.32	8.017	49.42	14.017	2.19	20.02	1.27
2.033	1.32	8.033	49.42	14.033	2.19	20.03	1.27
2.050	1.32	8.050	49.42	14.050	2.19	20.05	1.27
2.067	1.32	8.067	49.42	14.067	2.19	20.07	1.27
2.083	1.32	8.083	49.42	14.083	2.19	20.08	1.27
2.100	1.32	8.100	49.42	14.100	2.19	20.10	1.27
2.117	1.32	8.117	49.42	14.117	2.19	20.12	1.27
2.133	1.32	8.133	49.42	14.133	2.19	20.13	1.27
2.150	1.32	8.150	49.42	14.150	2.19	20.15	1.27
2.167	1.32	8.167	49.35	14.167	2.19	20.17	1.27
2.183	1.35	8.183	26.31	14.183	2.14	20.18	1.26
2.200	1.35	8.200	26.31	14.200	2.14	20.20	1.26
2.217	1.35	8.217	26.31	14.217	2.14	20.22	1.26
2.233	1.35	8.233	26.31	14.233	2.14	20.23	1.26
2.250	1.35	8.250	26.31	14.250	2.14	20.25	1.26
2.267	1.35	8.267	26.31	14.267	2.14	20.27	1.26
2.283	1.35	8.283	26.31	14.283	2.14	20.28	1.26
2.300	1.35	8.300	26.31	14.300	2.14	20.30	1.26
2.317	1.35	8.317	26.31	14.317	2.14	20.32	1.26
2.333	1.35	8.333	26.29	14.333	2.14	20.33	1.26
2.350	1.39	8.350	18.21	14.350	2.10	20.35	1.25
2.367	1.39	8.367	18.21	14.367	2.10	20.37	1.25
2.383	1.39	8.383	18.21	14.383	2.10	20.38	1.25
2.400	1.39	8.400	18.21	14.400	2.10	20.40	1.25
2.417	1.39	8.417	18.21	14.417	2.10	20.42	1.25
2.433	1.39	8.433	18.21	14.433	2.10	20.43	1.25
2.450	1.39	8.450	18.21	14.450	2.10	20.45	1.25
2.467	1.39	8.467	18.21	14.467	2.10	20.47	1.25
2.483	1.39	8.483	18.21	14.483	2.10	20.48	1.25
2.500	1.39	8.500	18.20	14.500	2.10	20.50	1.25
2.517	1.42	8.517	14.08	14.517	2.05	20.52	1.23
2.533	1.42	8.533	14.08	14.533	2.05	20.53	1.23
2.550	1.42	8.550	14.08	14.550	2.05	20.55	1.23
2.567	1.42	8.567	14.08	14.567	2.05	20.57	1.23
2.583	1.42	8.583	14.08	14.583	2.05	20.58	1.23
2.600	1.42	8.600	14.08	14.600	2.05	20.60	1.23
2.617	1.42	8.617	14.08	14.617	2.05	20.62	1.23
2.633	1.42	8.633	14.08	14.633	2.05	20.63	1.23
2.650	1.42	8.650	14.08	14.650	2.05	20.65	1.23
2.667	1.42	8.667	14.07	14.667	2.05	20.67	1.23
2.683	1.46	8.683	11.56	14.683	2.01	20.68	1.22
2.700	1.46	8.700	11.56	14.700	2.01	20.70	1.22
2.717	1.46	8.717	11.56	14.717	2.01	20.72	1.22
2.733	1.46	8.733	11.56	14.733	2.01	20.73	1.22
2.750	1.46	8.750	11.56	14.750	2.01	20.75	1.22
2.767	1.46	8.767	11.56	14.767	2.01	20.77	1.22
2.783	1.46	8.783	11.56	14.783	2.01	20.78	1.22
2.800	1.46	8.800	11.56	14.800	2.01	20.80	1.22
2.817	1.46	8.817	11.56	14.817	2.01	20.82	1.22
2.833	1.46	8.833	11.56	14.833	2.01	20.83	1.22
2.850	1.50	8.850	9.86	14.850	1.98	20.85	1.21
2.867	1.50	8.867	9.86	14.867	1.98	20.87	1.21
2.883	1.50	8.883	9.86	14.883	1.98	20.88	1.21
2.900	1.50	8.900	9.86	14.900	1.98	20.90	1.21
2.917	1.50	8.917	9.86	14.917	1.98	20.92	1.21
2.933	1.50	8.933	9.86	14.933	1.98	20.93	1.21
2.950	1.50	8.950	9.86	14.950	1.98	20.95	1.21
2.967	1.50	8.967	9.86	14.967	1.98	20.97	1.21
2.983	1.50	8.983	9.86	14.983	1.98	20.98	1.21
3.000	1.50	9.000	9.86	15.000	1.98	21.00	1.21
3.017	1.54	9.017	8.63	15.017	1.94	21.02	1.20
3.033	1.54	9.033	8.63	15.033	1.94	21.03	1.20
3.050	1.54	9.050	8.63	15.050	1.94	21.05	1.20
3.067	1.54	9.067	8.63	15.067	1.94	21.07	1.20
3.083	1.54	9.083	8.63	15.083	1.94	21.08	1.20
3.100	1.54	9.100	8.63	15.100	1.94	21.10	1.20
3.117	1.54	9.117	8.63	15.117	1.94	21.12	1.20
3.133	1.54	9.133	8.63	15.133	1.94	21.13	1.20
3.150	1.54	9.150	8.63	15.150	1.94	21.15	1.20
3.167	1.54	9.167	8.63	15.167	1.94	21.17	1.20
3.183	1.58	9.183	7.70	15.183	1.90	21.18	1.19
3.200	1.58	9.200	7.70	15.200	1.90	21.20	1.19
3.217	1.58	9.217	7.70	15.217	1.90	21.22	1.19
3.233	1.58	9.233	7.70	15.233	1.90	21.23	1.19
3.250	1.58	9.250	7.70	15.250	1.90	21.25	1.19
3.267	1.58	9.267	7.70	15.267	1.90	21.27	1.19
3.283	1.58	9.283	7.70	15.283	1.90	21.28	1.19
3.300	1.58	9.300	7.70	15.300	1.90	21.30	1.19
3.317	1.58	9.317	7.70	15.317	1.90	21.32	1.19
3.333	1.58	9.333	7.70	15.333	1.90	21.33	1.19
3.350	1.63	9.350	6.96	15.350	1.87	21.35	1.17
3.367	1.63	9.367	6.96	15.367	1.87	21.37	1.17
3.383	1.63	9.383	6.96	15.383	1.87	21.38	1.17
3.400	1.63	9.400	6.96	15.400	1.87	21.40	1.17
3.417	1.63	9.417	6.96	15.417	1.87	21.42	1.17
3.433	1.63	9.433	6.96	15.433	1.87	21.43	1.17
3.450	1.63	9.450	6.96	15.450	1.87	21.45	1.17
3.467	1.63	9.467	6.96	15.467	1.87	21.47	1.17
3.483	1.63	9.483	6.96	15.483	1.87	21.48	1.17
3.500	1.63	9.500	6.96	15.500	1.87	21.50	1.17
3.517	1.68	9.517	6.37	15.517	1.84	21.52	1.16
3.533	1.68	9.533	6.37	15.533	1.84	21.53	1.16
3.550	1.68	9.550	6.37	15.550	1.84	21.55	1.16
3.567	1.68	9.567	6.37	15.567	1.84	21.57	1.16
3.583	1.68	9.583	6.37	15.583	1.84	21.58	1.16
3.600	1.68	9.600	6.37	15.600	1.84	21.60	1.16
3.617	1.68	9.617	6.37	15.617	1.84	21.62	1.16
3.633	1.68	9.633	6.37	15.633	1.84	21.63	1.16
3.650	1.68	9.650	6.37	15.650	1.84	21.65	1.16
3.667	1.68	9.667	6.37	15.667	1.84	21.67	1.16
3.683	1.73	9.683	5.88	15.683	1.81	21.68	1.15
3.700	1.73	9.700	5.88	15.700	1.81	21.70	1.15
3.717	1.73	9.717	5.88	15.717	1.81	21.72	1.15
3.733	1.73	9.733	5.88	15.733	1.81	21.73	1.15
3.750	1.73	9.750	5.88	15.750	1.81	21.75	1.15
3.767	1.73	9.767	5.88	15.767	1.81	21.77	1.15
3.783	1.73	9.783	5.88	15.783	1.81	21.78	1.15
3.800	1.73	9.800	5.88	15.800	1.81	21.80	1.15
3.817	1.73	9.817	5.88	15.817	1.81	21.82	1.15
3.833	1.73	9.833	5.88	15.833	1.81	21.83	1.15
3.850	1.79	9.850	5.47	15.850	1.78	21.85	1.14
3.867	1.79	9.867	5.47	15.867	1.78	21.87	1.14
3.883	1.79	9.883	5.47	15.883	1.78	21.88	1.14
3.900	1.79	9.900	5.47	15.900	1.78	21.90	1.14
3.917	1.79	9.917	5.47	15.917	1.78	21.92	1.14
3.933	1.79	9.933	5.47	15.933	1.78	21.93	1.14
3.950	1.79	9.950	5.47	15.950	1.78	21.95	1.14
3.967	1.79	9.967	5.47	15.967	1.78	21.97	1.14
3.983	1.79	9.983	5.47	15.983	1.78	21.98	1.14
4.000	1.79	10.000	5.47	16.000	1.78	22.00	1.14
4.017	1.85	10.017	5.12	16.017	1.75	22.02	1.13
4.033	1.85	10.033	5.12	16.033	1.75	22.03	1.13
4.050	1.85	10.050	5.12	16.050	1.75	22.05	1.13
4.067	1.85	10.067	5.12	16.067	1.75	22.07	1.13
4.083	1.85	10.083	5.12	16.083	1.75	22.08	1.13
4.100	1.85	10.100	5.12	16.100	1.75	22.10	1.13
4.117	1.85	10.117	5.12	16.117	1.75	22.12	1.13
4.133	1.85	10.133	5.12	16.133	1.75	22.13	1.13
4.150	1.85	10.150	5.12	16.150	1.75	22.15	1.13
4.167	1.85	10.167	5.12	16.167	1.75	22.17	1.13
4.183	1.92	10.183	4.81	16.183	1.72	22.18	1.12
4.200	1.92	10.200	4.81	16.200	1.72	22.20	1.12
4.217	1.92	10.217	4.81	16.217	1.72	22.22	1.12
4.233	1.92	10.233	4.81	16.233	1.72	22.23	1.12
4.250	1.92	10.250	4.81	16.250	1.72	22.25	1.12
4.267	1.92	10.267	4.81	16.267	1.72	22.27	1.12
4.283	1.92	10.283	4.81	16.283	1.72	22.28	1.12
4.300	1.92	10.300	4.81	16.300	1.72	22.30	1.12
4.317	1.92	10.317	4.81	16.317	1.72	22.32	1.12
4.333	1.92	10.333	4.81	16.333	1.72	22.33	1.12
4.350	1.99	10.350	4.55	16.350	1.69	22.35	1.11
4.367	1.99	10.367	4.55	16.367	1.69	22.37	1.11
4.383	1.99	10.383	4.55	16.383	1.69	22.38	1.11
4.400	1.99	10.400	4.55	16.400	1.69	22.40	1.11
4.417	1.99	10.417	4.55	16.417	1.69	22.42	1.11
4.433	1.99	10.433	4.55	16.433	1.69	22.43	1.11
4.450	1.99	10.450	4.55	16.450	1.69	22.45	1.11
4.467	1.99	10.467	4.55	16.467	1.69	22.47	1.11
4.483	1.99	10.483	4.55	16.483	1.69	22.48	1.11
4.500	1.99	10.500	4.54	16.500	1.69	22.50	1.11
4.517	2.07	10.517	4.31	16.517	1.67	22.52	1.10
4.533	2.07	10.533	4.31	16.533	1.67	22.53	1.10
4.550	2.07	10.550	4.31	16.550	1.67	22.55	1.10
4.567	2.07	10.567	4.31	16.567	1.67	22.57	1.10
4.583	2.07	10.583	4.31	16.583	1.67	22.58	1.10
4.600	2.07	10.600	4.31	16.600	1.67	22.60	1.10
4.617	2.07	10.617	4.31	16.617	1.67	22.62	1.10
4.633	2.07	10.633	4.31	16.633	1.67	22.63	1.10

4.650	2.07	10.650	4.31	16.650	1.67	22.65	1.10
4.667	2.07	10.667	4.31	16.667	1.67	22.67	1.10
4.683	2.16	10.683	4.10	16.683	1.64	22.68	1.09
4.700	2.16	10.700	4.10	16.700	1.64	22.70	1.09
4.717	2.16	10.717	4.10	16.717	1.64	22.72	1.09
4.733	2.16	10.733	4.10	16.733	1.64	22.73	1.09
4.750	2.16	10.750	4.10	16.750	1.64	22.75	1.09
4.767	2.16	10.767	4.10	16.767	1.64	22.77	1.09
4.783	2.16	10.783	4.10	16.783	1.64	22.78	1.09
4.800	2.16	10.800	4.10	16.800	1.64	22.80	1.09
4.817	2.16	10.817	4.10	16.817	1.64	22.82	1.09
4.833	2.16	10.833	4.10	16.833	1.64	22.83	1.09
4.850	2.26	10.850	3.91	16.850	1.62	22.85	1.08
4.867	2.26	10.867	3.91	16.867	1.62	22.87	1.08
4.883	2.26	10.883	3.91	16.883	1.62	22.88	1.08
4.900	2.26	10.900	3.91	16.900	1.62	22.90	1.08
4.917	2.26	10.917	3.91	16.917	1.62	22.92	1.08
4.933	2.26	10.933	3.91	16.933	1.62	22.93	1.08
4.950	2.26	10.950	3.91	16.950	1.62	22.95	1.08
4.967	2.26	10.967	3.91	16.967	1.62	22.97	1.08
4.983	2.26	10.983	3.91	16.983	1.62	22.98	1.08
5.000	2.26	11.000	3.91	17.000	1.62	23.00	1.08
5.017	2.36	11.017	3.74	17.017	1.59	23.02	1.07
5.033	2.36	11.033	3.74	17.033	1.59	23.03	1.07
5.050	2.36	11.050	3.74	17.050	1.59	23.05	1.07
5.067	2.36	11.067	3.74	17.067	1.59	23.07	1.07
5.083	2.36	11.083	3.74	17.083	1.59	23.08	1.07
5.100	2.36	11.100	3.74	17.100	1.59	23.10	1.07
5.117	2.36	11.117	3.74	17.117	1.59	23.12	1.07
5.133	2.36	11.133	3.74	17.133	1.59	23.13	1.07
5.150	2.36	11.150	3.74	17.150	1.59	23.15	1.07
5.167	2.36	11.167	3.74	17.167	1.59	23.17	1.07
5.183	2.48	11.183	3.59	17.183	1.57	23.18	1.06
5.200	2.48	11.200	3.59	17.200	1.57	23.20	1.06
5.217	2.48	11.217	3.59	17.217	1.57	23.22	1.06
5.233	2.48	11.233	3.59	17.233	1.57	23.23	1.06
5.250	2.48	11.250	3.59	17.250	1.57	23.25	1.06
5.267	2.48	11.267	3.59	17.267	1.57	23.27	1.06
5.283	2.48	11.283	3.59	17.283	1.57	23.28	1.06
5.300	2.48	11.300	3.59	17.300	1.57	23.30	1.06
5.317	2.48	11.317	3.59	17.317	1.57	23.32	1.06
5.333	2.48	11.333	3.59	17.333	1.57	23.33	1.06
5.350	2.62	11.350	3.45	17.350	1.55	23.35	1.05
5.367	2.62	11.367	3.45	17.367	1.55	23.37	1.05
5.383	2.62	11.383	3.45	17.383	1.55	23.38	1.05
5.400	2.62	11.400	3.45	17.400	1.55	23.40	1.05
5.417	2.62	11.417	3.45	17.417	1.55	23.42	1.05
5.433	2.62	11.433	3.45	17.433	1.55	23.43	1.05
5.450	2.62	11.450	3.45	17.450	1.55	23.45	1.05
5.467	2.62	11.467	3.45	17.467	1.55	23.47	1.05
5.483	2.62	11.483	3.45	17.483	1.55	23.48	1.05
5.500	2.62	11.500	3.45	17.500	1.55	23.50	1.05
5.517	2.77	11.517	3.32	17.517	1.53	23.52	1.04
5.533	2.77	11.533	3.32	17.533	1.53	23.53	1.04
5.550	2.77	11.550	3.32	17.550	1.53	23.55	1.04
5.567	2.77	11.567	3.32	17.567	1.53	23.57	1.04
5.583	2.77	11.583	3.32	17.583	1.53	23.58	1.04
5.600	2.77	11.600	3.32	17.600	1.53	23.60	1.04
5.617	2.77	11.617	3.32	17.617	1.53	23.62	1.04
5.633	2.77	11.633	3.32	17.633	1.53	23.63	1.04
5.650	2.77	11.650	3.32	17.650	1.53	23.65	1.04
5.667	2.77	11.667	3.32	17.667	1.53	23.67	1.04
5.683	2.95	11.683	3.20	17.683	1.51	23.68	1.04
5.700	2.95	11.700	3.20	17.700	1.51	23.70	1.04
5.717	2.95	11.717	3.20	17.717	1.51	23.72	1.04
5.733	2.95	11.733	3.20	17.733	1.51	23.73	1.04
5.750	2.95	11.750	3.20	17.750	1.51	23.75	1.04
5.767	2.95	11.767	3.20	17.767	1.51	23.77	1.04
5.783	2.95	11.783	3.20	17.783	1.51	23.78	1.04
5.800	2.95	11.800	3.20	17.800	1.51	23.80	1.04
5.817	2.95	11.817	3.20	17.817	1.51	23.82	1.04
5.833	2.95	11.833	3.20	17.833	1.51	23.83	1.04
5.850	3.15	11.850	3.10	17.850	1.49	23.85	1.03
5.867	3.15	11.867	3.10	17.867	1.49	23.87	1.03
5.883	3.15	11.883	3.10	17.883	1.49	23.88	1.03
5.900	3.15	11.900	3.10	17.900	1.49	23.90	1.03
5.917	3.15	11.917	3.10	17.917	1.49	23.92	1.03
5.933	3.15	11.933	3.10	17.933	1.49	23.93	1.03
5.950	3.15	11.950	3.10	17.950	1.49	23.95	1.03
5.967	3.15	11.967	3.10	17.967	1.49	23.97	1.03
5.983	3.15	11.983	3.10	17.983	1.49	23.98	1.03
6.000	3.15	12.000	3.10	18.000	1.49	24.00	1.03

			TOTALS
Max.Eff.Inten.(mm/hr)=	158.18	108.10	
over (min)	5.00	7.00	
Storage Coeff. (min)=	4.29 (ii)	6.73 (ii)	
Unit Hyd. Tpeak (min)=	5.00	7.00	
Unit Hyd. peak (cms)=	0.25	0.17	
PEAK FLOW (cms)=	5.36	0.35	5.688 (iii)
TIME TO PEAK (hrs)=	8.02	8.05	8.02
RUNOFF VOLUME (mm)=	109.00	73.58	105.47
TOTAL RAINFALL (mm)=	110.01	110.01	110.01
RUNOFF COEFFICIENT =	0.99	0.67	0.96

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

CALIB			
STANDHYD (0013)	Area (ha)=	2.56	
ID= 1 DT= 1.0 min	Total Imp(%)=	99.00	Dir. Conn.(%)= 99.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	2.53	0.03
Dep. Storage	(mm)=	1.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	130.64	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	1.05	6.017	3.38	12.017	3.00	18.02	1.47
0.033	1.05	6.033	3.38	12.033	3.00	18.03	1.47
0.050	1.05	6.050	3.38	12.050	3.00	18.05	1.47
0.067	1.05	6.067	3.38	12.067	3.00	18.07	1.47
0.083	1.05	6.083	3.38	12.083	3.00	18.08	1.47
0.100	1.05	6.100	3.38	12.100	3.00	18.10	1.47
0.117	1.05	6.117	3.38	12.117	3.00	18.12	1.47
0.133	1.05	6.133	3.38	12.133	3.00	18.13	1.47
0.150	1.05	6.150	3.38	12.150	3.00	18.15	1.47
0.167	1.05	6.167	3.38	12.167	3.00	18.17	1.47
0.183	1.07	6.183	3.66	12.183	2.90	18.18	1.45
0.200	1.07	6.200	3.66	12.200	2.90	18.20	1.45
0.217	1.07	6.217	3.66	12.217	2.90	18.22	1.45
0.233	1.07	6.233	3.66	12.233	2.90	18.23	1.45
0.250	1.07	6.250	3.66	12.250	2.90	18.25	1.45
0.267	1.07	6.267	3.66	12.267	2.90	18.27	1.45
0.283	1.07	6.283	3.66	12.283	2.90	18.28	1.45
0.300	1.07	6.300	3.66	12.300	2.90	18.30	1.45
0.317	1.07	6.317	3.66	12.317	2.90	18.32	1.45
0.333	1.07	6.333	3.66	12.333	2.90	18.33	1.45
0.350	1.08	6.350	4.00	12.350	2.82	18.35	1.43
0.367	1.08	6.367	4.00	12.367	2.82	18.37	1.43
0.383	1.08	6.383	4.00	12.383	2.82	18.38	1.43
0.400	1.08	6.400	4.00	12.400	2.82	18.40	1.43
0.417	1.08	6.417	4.00	12.417	2.82	18.42	1.43
0.433	1.08	6.433	4.00	12.433	2.82	18.43	1.43
0.450	1.08	6.450	4.00	12.450	2.82	18.45	1.43
0.467	1.08	6.467	4.00	12.467	2.82	18.47	1.43
0.483	1.08	6.483	4.00	12.483	2.82	18.48	1.43
0.500	1.08	6.500	4.00	12.500	2.82	18.50	1.43
0.517	1.10	6.517	4.42	12.517	2.73	18.52	1.41
0.533	1.10	6.533	4.42	12.533	2.73	18.53	1.41
0.550	1.10	6.550	4.42	12.550	2.73	18.55	1.41
0.567	1.10	6.567	4.42	12.567	2.73	18.57	1.41
0.583	1.10	6.583	4.42	12.583	2.73	18.58	1.41
0.600	1.10	6.600	4.42	12.600	2.73	18.60	1.41
0.617	1.10	6.617	4.42	12.617	2.73	18.62	1.41
0.633	1.10	6.633	4.42	12.633	2.73	18.63	1.41
0.650	1.10	6.650	4.42	12.650	2.73	18.65	1.41
0.667	1.10	6.667	4.42	12.667	2.73	18.67	1.41
0.683	1.12	6.683	4.96	12.683	2.66	18.68	1.40
0.700	1.12	6.700	4.96	12.700	2.66	18.70	1.40
0.717	1.12	6.717	4.96	12.717	2.66	18.72	1.40
0.733	1.12	6.733	4.96	12.733	2.66	18.73	1.40
0.750	1.12	6.750	4.96	12.750	2.66	18.75	1.40
0.767	1.12	6.767	4.96	12.767	2.66	18.77	1.40
0.783	1.12	6.783	4.96	12.783	2.66	18.78	1.40
0.800	1.12	6.800	4.96	12.800	2.66	18.80	1.40
0.817	1.12	6.817	4.96	12.817	2.66	18.82	1.40
0.833	1.12	6.833	4.96	12.833	2.66	18.83	1.40
0.850	1.14	6.850	5.67	12.850	2.59	18.85	1.38
0.867	1.14	6.867	5.67	12.867	2.59	18.87	1.38
0.883	1.14	6.883	5.67	12.883	2.59	18.88	1.38
0.900	1.14	6.900	5.67	12.900	2.59	18.90	1.38
0.917	1.14	6.917	5.67	12.917	2.59	18.92	1.38
0.933	1.14	6.933	5.67	12.933	2.59	18.93	1.38
0.950	1.14	6.950	5.67	12.950	2.59	18.95	1.38
0.967	1.14	6.967	5.67	12.967	2.59	18.97	1.38
0.983	1.14	6.983	5.67	12.983	2.59	18.98	1.38
1.000	1.14	7.000	5.67	13.000	2.59	19.00	1.38
1.017	1.17	7.017	6.66	13.017	2.52	19.02	1.36
1.033	1.17	7.033	6.66	13.033	2.52	19.03	1.36
1.050	1.17	7.050	6.66	13.050	2.52	19.05	1.36
1.067	1.17	7.067	6.66	13.067	2.52	19.07	1.36
1.083	1.17	7.083	6.66	13.083	2.52	19.08	1.36
1.100	1.17	7.100	6.66	13.100	2.52	19.10	1.36
1.117	1.17	7.117	6.66	13.117	2.52	19.12	1.36
1.133	1.17	7.133	6.66	13.133	2.52	19.13	1.36
1.150	1.17	7.150	6.66	13.150	2.52	19.15	1.36
1.167	1.17	7.167	6.66	13.167	2.52	19.17	1.36
1.183	1.19	7.183	8.15	13.183	2.46	19.18	1.35
1.200	1.19	7.200	8.15	13.200	2.46	19.20	1.35
1.217	1.19	7.217	8.15	13.217	2.46	19.22	1.35
1.233	1.19	7.233	8.15	13.233	2.46	19.23	1.35
1.250	1.19	7.250	8.15	13.250	2.46	19.25	1.35
1.267	1.19	7.267	8.15	13.267	2.46	19.27	1.35
1.283	1.19	7.283	8.15	13.283	2.46	19.28	1.35
1.300	1.19	7.300	8.15	13.300	2.46	19.30	1.35
1.317	1.19	7.317	8.15	13.317	2.46	19.32	1.35

1.333	1.19	7.333	8.16	13.333	2.46	19.33	1.35
1.350	1.21	7.350	10.70	13.350	2.40	19.35	1.33
1.367	1.21	7.367	10.70	13.367	2.40	19.37	1.33
1.383	1.21	7.383	10.70	13.383	2.40	19.38	1.33
1.400	1.21	7.400	10.70	13.400	2.40	19.40	1.33
1.417	1.21	7.417	10.70	13.417	2.40	19.42	1.33
1.433	1.21	7.433	10.70	13.433	2.40	19.43	1.33
1.450	1.21	7.450	10.70	13.450	2.40	19.45	1.33
1.467	1.21	7.467	10.70	13.467	2.40	19.47	1.33
1.483	1.21	7.483	10.70	13.483	2.40	19.48	1.33
1.500	1.21	7.500	10.71	13.500	2.40	19.50	1.33
1.517	1.24	7.517	16.13	13.517	2.34	19.52	1.32
1.533	1.24	7.533	16.13	13.533	2.34	19.53	1.32
1.550	1.24	7.550	16.13	13.550	2.34	19.55	1.32
1.567	1.24	7.567	16.13	13.567	2.34	19.57	1.32
1.583	1.24	7.583	16.13	13.583	2.34	19.58	1.32
1.600	1.24	7.600	16.13	13.600	2.34	19.60	1.32
1.617	1.24	7.617	16.13	13.617	2.34	19.62	1.32
1.633	1.24	7.633	16.13	13.633	2.34	19.63	1.32
1.650	1.24	7.650	16.13	13.650	2.34	19.65	1.32
1.667	1.24	7.667	16.19	13.667	2.34	19.67	1.32
1.683	1.27	7.683	37.84	13.683	2.29	19.68	1.30
1.700	1.27	7.700	37.84	13.700	2.29	19.70	1.30
1.717	1.27	7.717	37.84	13.717	2.29	19.72	1.30
1.733	1.27	7.733	37.84	13.733	2.29	19.73	1.30
1.750	1.27	7.750	37.84	13.750	2.29	19.75	1.30
1.767	1.27	7.767	37.84	13.767	2.29	19.77	1.30
1.783	1.27	7.783	37.84	13.783	2.29	19.78	1.30
1.800	1.27	7.800	37.84	13.800	2.29	19.80	1.30
1.817	1.27	7.817	37.84	13.817	2.29	19.82	1.30
1.833	1.27	7.833	38.19	13.833	2.29	19.83	1.30
1.850	1.29	7.850	158.18	13.850	2.23	19.85	1.29
1.867	1.29	7.867	158.18	13.867	2.23	19.87	1.29
1.883	1.29	7.883	158.18	13.883	2.23	19.88	1.29
1.900	1.29	7.900	158.18	13.900	2.23	19.90	1.29
1.917	1.29	7.917	158.18	13.917	2.23	19.92	1.29
1.933	1.29	7.933	158.18	13.933	2.23	19.93	1.29
1.950	1.29	7.950	158.18	13.950	2.23	19.95	1.29
1.967	1.29	7.967	158.18	13.967	2.23	19.97	1.29
1.983	1.29	7.983	158.18	13.983	2.23	19.98	1.29
2.000	1.29	8.000	157.86	14.000	2.23	20.00	1.29
2.017	1.32	8.017	49.42	14.017	2.19	20.02	1.27
2.033	1.32	8.033	49.42	14.033	2.19	20.03	1.27
2.050	1.32	8.050	49.42	14.050	2.19	20.05	1.27
2.067	1.32	8.067	49.42	14.067	2.19	20.07	1.27
2.083	1.32	8.083	49.42	14.083	2.19	20.08	1.27
2.100	1.32	8.100	49.42	14.100	2.19	20.10	1.27
2.117	1.32	8.117	49.42	14.117	2.19	20.12	1.27
2.133	1.32	8.133	49.42	14.133	2.19	20.13	1.27
2.150	1.32	8.150	49.42	14.150	2.19	20.15	1.27
2.167	1.32	8.167	49.35	14.167	2.19	20.17	1.27
2.183	1.35	8.183	26.31	14.183	2.14	20.18	1.26
2.200	1.35	8.200	26.31	14.200	2.14	20.20	1.26
2.217	1.35	8.217	26.31	14.217	2.14	20.22	1.26
2.233	1.35	8.233	26.31	14.233	2.14	20.23	1.26
2.250	1.35	8.250	26.31	14.250	2.14	20.25	1.26
2.267	1.35	8.267	26.31	14.267	2.14	20.27	1.26
2.283	1.35	8.283	26.31	14.283	2.14	20.28	1.26
2.300	1.35	8.300	26.31	14.300	2.14	20.30	1.26
2.317	1.35	8.317	26.31	14.317	2.14	20.32	1.26
2.333	1.35	8.333	26.29	14.333	2.14	20.33	1.26
2.350	1.39	8.350	18.21	14.350	2.10	20.35	1.25
2.367	1.39	8.367	18.21	14.367	2.10	20.37	1.25
2.383	1.39	8.383	18.21	14.383	2.10	20.38	1.25
2.400	1.39	8.400	18.21	14.400	2.10	20.40	1.25
2.417	1.39	8.417	18.21	14.417	2.10	20.42	1.25
2.433	1.39	8.433	18.21	14.433	2.10	20.43	1.25
2.450	1.39	8.450	18.21	14.450	2.10	20.45	1.25
2.467	1.39	8.467	18.21	14.467	2.10	20.47	1.25
2.483	1.39	8.483	18.21	14.483	2.10	20.48	1.25
2.500	1.39	8.500	18.20	14.500	2.10	20.50	1.25
2.517	1.42	8.517	14.08	14.517	2.05	20.52	1.23
2.533	1.42	8.533	14.08	14.533	2.05	20.53	1.23
2.550	1.42	8.550	14.08	14.550	2.05	20.55	1.23
2.567	1.42	8.567	14.08	14.567	2.05	20.57	1.23
2.583	1.42	8.583	14.08	14.583	2.05	20.58	1.23
2.600	1.42	8.600	14.08	14.600	2.05	20.60	1.23
2.617	1.42	8.617	14.08	14.617	2.05	20.62	1.23
2.633	1.42	8.633	14.08	14.633	2.05	20.63	1.23
2.650	1.42	8.650	14.08	14.650	2.05	20.65	1.23
2.667	1.42	8.667	14.07	14.667	2.05	20.67	1.23
2.683	1.46	8.683	11.56	14.683	2.01	20.68	1.22
2.700	1.46	8.700	11.56	14.700	2.01	20.70	1.22
2.717	1.46	8.717	11.56	14.717	2.01	20.72	1.22
2.733	1.46	8.733	11.56	14.733	2.01	20.73	1.22
2.750	1.46	8.750	11.56	14.750	2.01	20.75	1.22
2.767	1.46	8.767	11.56	14.767	2.01	20.77	1.22
2.783	1.46	8.783	11.56	14.783	2.01	20.78	1.22
2.800	1.46	8.800	11.56	14.800	2.01	20.80	1.22
2.817	1.46	8.817	11.56	14.817	2.01	20.82	1.22
2.833	1.46	8.833	11.56	14.833	2.01	20.83	1.22
2.850	1.50	8.850	9.86	14.850	1.98	20.85	1.21
2.867	1.50	8.867	9.86	14.867	1.98	20.87	1.21
2.883	1.50	8.883	9.86	14.883	1.98	20.88	1.21
2.900	1.50	8.900	9.86	14.900	1.98	20.90	1.21
2.917	1.50	8.917	9.86	14.917	1.98	20.92	1.21
2.933	1.50	8.933	9.86	14.933	1.98	20.93	1.21
2.950	1.50	8.950	9.86	14.950	1.98	20.95	1.21
2.967	1.50	8.967	9.86	14.967	1.98	20.97	1.21
2.983	1.50	8.983	9.86	14.983	1.98	20.98	1.21
3.000	1.50	9.000	9.86	15.000	1.98	21.00	1.21
3.017	1.54	9.017	8.63	15.017	1.94	21.02	1.20
3.033	1.54	9.033	8.63	15.033	1.94	21.03	1.20
3.050	1.54	9.050	8.63	15.050	1.94	21.05	1.20
3.067	1.54	9.067	8.63	15.067	1.94	21.07	1.20
3.083	1.54	9.083	8.63	15.083	1.94	21.08	1.20
3.100	1.54	9.100	8.63	15.100	1.94	21.10	1.20
3.117	1.54	9.117	8.63	15.117	1.94	21.12	1.20
3.133	1.54	9.133	8.63	15.133	1.94	21.13	1.20
3.150	1.54	9.150	8.63	15.150	1.94	21.15	1.20
3.167	1.54	9.167	8.63	15.167	1.94	21.17	1.20
3.183	1.58	9.183	7.70	15.183	1.90	21.18	1.19
3.200	1.58	9.200	7.70	15.200	1.90	21.20	1.19
3.217	1.58	9.217	7.70	15.217	1.90	21.22	1.19
3.233	1.58	9.233	7.70	15.233	1.90	21.23	1.19
3.250	1.58	9.250	7.70	15.250	1.90	21.25	1.19
3.267	1.58	9.267	7.70	15.267	1.90	21.27	1.19
3.283	1.58	9.283	7.70	15.283	1.90	21.28	1.19
3.300	1.58	9.300	7.70	15.300	1.90	21.30	1.19
3.317	1.58	9.317	7.70	15.317	1.90	21.32	1.19
3.333	1.58	9.333	7.70	15.333	1.90	21.33	1.19
3.350	1.63	9.350	6.96	15.350	1.87	21.35	1.17
3.367	1.63	9.367	6.96	15.367	1.87	21.37	1.17
3.383	1.63	9.383	6.96	15.383	1.87	21.38	1.17
3.400	1.63	9.400	6.96	15.400	1.87	21.40	1.17
3.417	1.63	9.417	6.96	15.417	1.87	21.42	1.17
3.433	1.63	9.433	6.96	15.433	1.87	21.43	1.17
3.450	1.63	9.450	6.96	15.450	1.87	21.45	1.17
3.467	1.63	9.467	6.96	15.467	1.87	21.47	1.17
3.483	1.63	9.483	6.96	15.483	1.87	21.48	1.17
3.500	1.63	9.500	6.96	15.500	1.87	21.50	1.17
3.517	1.68	9.517	6.37	15.517	1.84	21.52	1.16
3.533	1.68	9.533	6.37	15.533	1.84	21.53	1.16
3.550	1.68	9.550	6.37	15.550	1.84	21.55	1.16
3.567	1.68	9.567	6.37	15.567	1.84	21.57	1.16
3.583	1.68	9.583	6.37	15.583	1.84	21.58	1.16
3.600	1.68	9.600	6.37	15.600	1.84	21.60	1.16
3.617	1.68	9.617	6.37	15.617	1.84	21.62	1.16
3.633	1.68	9.633	6.37	15.633	1.84	21.63	1.16
3.650	1.68	9.650	6.37	15.650	1.84	21.65	1.16
3.667	1.68	9.667	6.37	15.667	1.84	21.67	1.16
3.683	1.73	9.683	5.88	15.683	1.81	21.68	1.15
3.700	1.73	9.700	5.88	15.700	1.81	21.70	1.15
3.717	1.73	9.717	5.88	15.717	1.81	21.72	1.15
3.733	1.73	9.733	5.88	15.733	1.81	21.73	1.15
3.750	1.73	9.750	5.88	15.750	1.81	21.75	1.15
3.767	1.73	9.767	5.88	15.767	1.81	21.77	1.15
3.783	1.73	9.783	5.88	15.783	1.81	21.78	1.15
3.800	1.73	9.800	5.88	15.800	1.81	21.80	1.15
3.817	1.73	9.817	5.88	15.817	1.81	21.82	1.15
3.833	1.73	9.833	5.88	15.833	1.81	21.83	1.15
3.850	1.79	9.850	5.47	15.850	1.78	21.85	1.14
3.867	1.79	9.867	5.47	15.867	1.78	21.87	1.14
3.883	1.79	9.883	5.47	15.883	1.78	21.88	1.14
3.900	1.79	9.900	5.47	15.900	1.78	21.90	1.14
3.917	1.79	9.917	5.47	15.917	1.78	21.92	1.14
3.933	1.79	9.933	5.47	15.933	1.78	21.93	1.14
3.950	1.79	9.950	5.47	15.950	1.78	21.95	1.14
3.967	1.79	9.967	5.47	15.967	1.78	21.97	1.14
3.983	1.79	9.983	5.47	15.983	1.78	21.98	1.14
4.000	1.79	10.000	5.47	16.000	1.78	22.00	1.14
4.017	1.85	10.017	5.12	16.017	1.75	22.02	1.13
4.033	1.85	10.033	5.12	16.033	1.75	22.03	1.13
4.050	1.85	10.050	5.12	16.050	1.75	22.05	1.13
4.067	1.85	10.067	5.12	16.067	1.75	22.07	1.13
4.083	1.85	10.083	5.12	16.083	1.75	22.08	1.13
4.100	1.85	10.100	5.12	16.100	1.75	22.10	1.13
4.117	1.85	10.117	5.12	16.117	1.75	22.12	1.13
4.133	1.85	10.133	5.12	16.133	1.75	22.13	1.13
4.150	1.85	10.150	5.12	16.150	1.75	22.15	1.13
4.167	1.85	10.167	5.12	16.167	1.75	22.17	1.13
4.183	1.92	10.183	4.81	16.183	1.72	22.18	1.12
4.200	1.92	10.200	4.81	16.200	1.72	22.20	1.12
4.217	1.92	10.217	4.81	16.217	1.72	22.22	1.12
4.233	1.92	10.233	4.81	16.233	1.72	22.23	1.12
4.250	1.92	10.250	4.81	16.250	1.72	22.25	1.12
4.267	1.92	10.267	4.81	16.267	1.72	22.27	1.12
4.283	1.92	10.283	4.81	16.283	1.72	22.28	1.12
4.300	1.92	10.300	4.81	16.300	1.72	22.30	1.12
4.317	1.92	10.317	4.81	16.317	1.72	22.32	1.12
4.333	1.92	10.333	4.81	16.333	1.72	22.33	1.12
4.350	1.99	10.350	4.55	16.350	1.69	22.35	1.11
4.367	1.99	10.367	4.55	16.367	1.69	22.37	1.11
4.383	1.99	10.383	4.55	16.383	1.69	22.38	1.11
4.400	1.99	10.400	4.55	16.400	1.69	22.40	1.11
4.417	1.99	10.417	4.55	16.417	1.69	22.42	1.11
4.433	1.99	10.433	4.55	16.433	1.69	22.43	1.11
4.450	1.99	10.450	4.55	16.450	1.69	22.45	1.11
4.467	1.99	10.467	4.55	16.467	1.69	22.47	1.11
4.483	1.99	10.483	4.55	16.483	1.69	22.48	1.11
4.500	1.99	10.500	4.54	16.500	1.69	22.50	1.11
4.517	2.07	10.517	4.31	16.517	1.67	22.52	1.10
4.533	2.07	10.533	4.31	16.533	1.67	22.53	1.10
4.550	2.07	10.550	4.31	16.550	1.67	22.55	1.10
4.567	2.07	10.567	4.31	16.567	1.67	22.57	1.10
4.583	2.07	10.583	4.31	16.583	1.67	22.58	1.10
4.600	2.07	10.600	4.31	16.600	1.67	22.60	1.10
4.617	2.07	10.617	4.31	16.617	1.67	22.62	1.10
4.633	2.07	10.633	4.31	16.633	1.67	22.63	1.10
4.650	2.07	10.650	4.31	16.650	1.67	22.65	1.10

4.667	2.07	10.667	4.31	16.667	1.67	22.67	1.10
4.683	2.16	10.683	4.10	16.683	1.64	22.68	1.09
4.700	2.16	10.700	4.10	16.700	1.64	22.70	1.09
4.717	2.16	10.717	4.10	16.717	1.64	22.72	1.09
4.733	2.16	10.733	4.10	16.733	1.64	22.73	1.09
4.750	2.16	10.750	4.10	16.750	1.64	22.75	1.09
4.767	2.16	10.767	4.10	16.767	1.64	22.77	1.09
4.783	2.16	10.783	4.10	16.783	1.64	22.78	1.09
4.800	2.16	10.800	4.10	16.800	1.64	22.80	1.09
4.817	2.16	10.817	4.10	16.817	1.64	22.82	1.09
4.833	2.16	10.833	4.10	16.833	1.64	22.83	1.09
4.850	2.26	10.850	3.91	16.850	1.62	22.85	1.08
4.867	2.26	10.867	3.91	16.867	1.62	22.87	1.08
4.883	2.26	10.883	3.91	16.883	1.62	22.88	1.08
4.900	2.26	10.900	3.91	16.900	1.62	22.90	1.08
4.917	2.26	10.917	3.91	16.917	1.62	22.92	1.08
4.933	2.26	10.933	3.91	16.933	1.62	22.93	1.08
4.950	2.26	10.950	3.91	16.950	1.62	22.95	1.08
4.967	2.26	10.967	3.91	16.967	1.62	22.97	1.08
4.983	2.26	10.983	3.91	16.983	1.62	22.98	1.08
5.000	2.26	11.000	3.91	17.000	1.62	23.00	1.08
5.017	2.36	11.017	3.74	17.017	1.59	23.02	1.07
5.033	2.36	11.033	3.74	17.033	1.59	23.03	1.07
5.050	2.36	11.050	3.74	17.050	1.59	23.05	1.07
5.067	2.36	11.067	3.74	17.067	1.59	23.07	1.07
5.083	2.36	11.083	3.74	17.083	1.59	23.08	1.07
5.100	2.36	11.100	3.74	17.100	1.59	23.10	1.07
5.117	2.36	11.117	3.74	17.117	1.59	23.12	1.07
5.133	2.36	11.133	3.74	17.133	1.59	23.13	1.07
5.150	2.36	11.150	3.74	17.150	1.59	23.15	1.07
5.167	2.36	11.167	3.74	17.167	1.59	23.17	1.07
5.183	2.48	11.183	3.59	17.183	1.57	23.18	1.06
5.200	2.48	11.200	3.59	17.200	1.57	23.20	1.06
5.217	2.48	11.217	3.59	17.217	1.57	23.22	1.06
5.233	2.48	11.233	3.59	17.233	1.57	23.23	1.06
5.250	2.48	11.250	3.59	17.250	1.57	23.25	1.06
5.267	2.48	11.267	3.59	17.267	1.57	23.27	1.06
5.283	2.48	11.283	3.59	17.283	1.57	23.28	1.06
5.300	2.48	11.300	3.59	17.300	1.57	23.30	1.06
5.317	2.48	11.317	3.59	17.317	1.57	23.32	1.06
5.333	2.48	11.333	3.59	17.333	1.57	23.33	1.06
5.350	2.62	11.350	3.45	17.350	1.55	23.35	1.05
5.367	2.62	11.367	3.45	17.367	1.55	23.37	1.05
5.383	2.62	11.383	3.45	17.383	1.55	23.38	1.05
5.400	2.62	11.400	3.45	17.400	1.55	23.40	1.05
5.417	2.62	11.417	3.45	17.417	1.55	23.42	1.05
5.433	2.62	11.433	3.45	17.433	1.55	23.43	1.05
5.450	2.62	11.450	3.45	17.450	1.55	23.45	1.05
5.467	2.62	11.467	3.45	17.467	1.55	23.47	1.05
5.483	2.62	11.483	3.45	17.483	1.55	23.48	1.05

5.500	2.62	11.500	3.45	17.500	1.55	23.50	1.05
5.517	2.77	11.517	3.32	17.517	1.53	23.52	1.04
5.533	2.77	11.533	3.32	17.533	1.53	23.53	1.04
5.550	2.77	11.550	3.32	17.550	1.53	23.55	1.04
5.567	2.77	11.567	3.32	17.567	1.53	23.57	1.04
5.583	2.77	11.583	3.32	17.583	1.53	23.58	1.04
5.600	2.77	11.600	3.32	17.600	1.53	23.60	1.04
5.617	2.77	11.617	3.32	17.617	1.53	23.62	1.04
5.633	2.77	11.633	3.32	17.633	1.53	23.63	1.04
5.650	2.77	11.650	3.32	17.650	1.53	23.65	1.04
5.667	2.77	11.667	3.32	17.667	1.53	23.67	1.04
5.683	2.95	11.683	3.20	17.683	1.51	23.68	1.04
5.700	2.95	11.700	3.20	17.700	1.51	23.70	1.04
5.717	2.95	11.717	3.20	17.717	1.51	23.72	1.04
5.733	2.95	11.733	3.20	17.733	1.51	23.73	1.04
5.750	2.95	11.750	3.20	17.750	1.51	23.75	1.04
5.767	2.95	11.767	3.20	17.767	1.51	23.77	1.04
5.783	2.95	11.783	3.20	17.783	1.51	23.78	1.04
5.800	2.95	11.800	3.20	17.800	1.51	23.80	1.04
5.817	2.95	11.817	3.20	17.817	1.51	23.82	1.04
5.833	2.95	11.833	3.20	17.833	1.51	23.83	1.04
5.850	3.15	11.850	3.10	17.850	1.49	23.85	1.03
5.867	3.15	11.867	3.10	17.867	1.49	23.87	1.03
5.883	3.15	11.883	3.10	17.883	1.49	23.88	1.03
5.900	3.15	11.900	3.10	17.900	1.49	23.90	1.03
5.917	3.15	11.917	3.10	17.917	1.49	23.92	1.03
5.933	3.15	11.933	3.10	17.933	1.49	23.93	1.03
5.950	3.15	11.950	3.10	17.950	1.49	23.95	1.03
5.967	3.15	11.967	3.10	17.967	1.49	23.97	1.03
5.983	3.15	11.983	3.10	17.983	1.49	23.98	1.03
6.000	3.15	12.000	3.10	18.000	1.49	24.00	1.03

Max.Eff.Inten.(mm/hr)=	158.18	108.10	
over (min)	5.00	4.00	
Storage Coeff. (min)=	2.50 (ii)	3.43 (ii)	
Unit Hyd. Tpeak (min)=	5.00	4.00	
Unit Hyd. peak (cms)=	0.34	0.31	
			TOTALS
PEAK FLOW (cms)=	1.07	0.01	1.075 (iii)
TIME TO PEAK (hrs)=	8.00	8.02	8.00
RUNOFF VOLUME (mm)=	109.00	73.59	108.65
TOTAL RAINFALL (mm)=	110.01	110.01	110.01
RUNOFF COEFFICIENT =	0.99	0.67	0.99

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

ADD HYD (0012)		AREA	QPEAK	TPEAK	R.V.
1 + 2 = 3		(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0010):		15.53	5.688	8.02	105.47
+ ID2= 2 (0013):		2.56	1.075	8.00	108.65
ID = 3 (0012):		18.09	6.747	8.02	105.92

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0011)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 1.0 min	OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
	0.0000	0.0000	2.8110	0.4813
	0.0590	0.3542	3.2550	0.5511
	1.5560	0.3695	4.0320	0.5885
	2.2770	0.4312	4.6420	0.6202

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0012)	18.090	6.747	8.02	105.92
OUTFLOW: ID= 1 (0011)	18.090	4.032	8.12	94.77

PEAK FLOW REDUCTION [Qout/Qin](%)= 59.76
TIME SHIFT OF PEAK FLOW (min)= 6.00
MAXIMUM STORAGE USED (ha.m.)= 0.5885

```
V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
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

 OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
O   O    T      T    H   H   Y Y   MM MM  O   O
O   O    T      T    H   H    Y    M   M  O   O
 OOO     T      T    H   H    Y    M   M   OOO
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***** 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\voin.dat

Output filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\52e1c45c-38f7-4a61-965a-dc6a3659fbbd\scenari
Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\52e1c45c-38f7-4a61-965a-dc6a3659fbbd\scenari

DATE: 01-27-2026 TIME: 01:43:13

USER:

COMMENTS: _____

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**********************************************
** SIMULATION : 7 - 100-year 24hr Chic - Milt **
**********************************************
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CHICAGO STORM	IDF curve parameters: A=1435.000
Ptotal=122.41 mm	B= 5.200
	C= 0.775

used in: INTENSITY = A / (t + B)^C

Duration of storm = 24.00 hrs
Storm time step = 10.00 min
Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	1.18	6.00	3.80	12.00	3.36	18.00	1.66
0.17	1.20	6.17	4.11	12.17	3.26	18.17	1.64
0.33	1.22	6.33	4.49	12.33	3.16	18.33	1.61
0.50	1.25	6.50	4.95	12.50	3.07	18.50	1.59
0.67	1.27	6.67	5.55	12.67	2.99	18.67	1.58
0.83	1.29	6.83	6.34	12.83	2.91	18.83	1.56
1.00	1.32	7.00	7.44	13.00	2.83	19.00	1.54
1.17	1.34	7.17	9.10	13.17	2.76	19.17	1.52

1.33	1.37	7.33	11.90	13.33	2.69	19.33	1.50
1.50	1.40	7.50	17.89	13.50	2.63	19.50	1.49
1.67	1.43	7.67	41.69	13.67	2.57	19.67	1.47
1.83	1.46	7.83	174.10	13.83	2.51	19.83	1.45
2.00	1.49	8.00	54.37	14.00	2.46	20.00	1.44
2.17	1.53	8.17	29.07	14.17	2.41	20.17	1.42
2.33	1.56	8.33	20.18	14.33	2.36	20.33	1.41
2.50	1.60	8.50	15.63	14.50	2.31	20.50	1.39
2.67	1.64	8.67	12.86	14.67	2.27	20.67	1.38
2.83	1.69	8.83	10.98	14.83	2.22	20.83	1.37
3.00	1.73	9.00	9.62	15.00	2.18	21.00	1.35
3.17	1.78	9.17	8.59	15.17	2.14	21.17	1.34
3.33	1.83	9.33	7.78	15.33	2.11	21.33	1.33
3.50	1.89	9.50	7.12	15.50	2.07	21.50	1.31
3.67	1.95	9.67	6.58	15.67	2.03	21.67	1.30
3.83	2.02	9.83	6.12	15.83	2.00	21.83	1.29
4.00	2.09	10.00	5.73	16.00	1.97	22.00	1.28
4.17	2.16	10.17	5.39	16.17	1.94	22.17	1.26
4.33	2.24	10.33	5.09	16.33	1.91	22.33	1.25
4.50	2.33	10.50	4.83	16.50	1.88	22.50	1.24
4.67	2.43	10.67	4.60	16.67	1.85	22.67	1.23
4.83	2.54	10.83	4.39	16.83	1.82	22.83	1.22
5.00	2.66	11.00	4.20	17.00	1.80	23.00	1.21
5.17	2.79	11.17	4.03	17.17	1.77	23.17	1.20
5.33	2.94	11.33	3.87	17.33	1.75	23.33	1.19
5.50	3.11	11.50	3.73	17.50	1.72	23.50	1.18
5.67	3.31	11.67	3.60	17.67	1.70	23.67	1.17
5.83	3.53	11.83	3.48	17.83	1.68	23.83	1.16

CALIB							
STANDHYD (0010)	Area (ha)= 15.53						
ID= 1 DT= 1.0 min	Total Imp(%)= 90.00		Dir. Conn.(%)= 90.00				

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	13.98	1.55
Dep. Storage	(mm)=	1.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	321.77	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	1.18	6.017	3.80	12.017	3.36	18.02	1.66
0.033	1.18	6.033	3.80	12.033	3.36	18.03	1.66
0.050	1.18	6.050	3.80	12.050	3.36	18.05	1.66
0.067	1.18	6.067	3.80	12.067	3.36	18.07	1.66
0.083	1.18	6.083	3.80	12.083	3.36	18.08	1.66
0.100	1.18	6.100	3.80	12.100	3.36	18.10	1.66
0.117	1.18	6.117	3.80	12.117	3.36	18.12	1.66
0.133	1.18	6.133	3.80	12.133	3.36	18.13	1.66
0.150	1.18	6.150	3.80	12.150	3.36	18.15	1.66
0.167	1.18	6.167	3.80	12.167	3.36	18.17	1.66
0.183	1.20	6.183	4.11	12.183	3.26	18.18	1.64
0.200	1.20	6.200	4.11	12.200	3.26	18.20	1.64
0.217	1.20	6.217	4.11	12.217	3.26	18.22	1.64
0.233	1.20	6.233	4.11	12.233	3.26	18.23	1.64
0.250	1.20	6.250	4.11	12.250	3.26	18.25	1.64
0.267	1.20	6.267	4.11	12.267	3.26	18.27	1.64
0.283	1.20	6.283	4.11	12.283	3.26	18.28	1.64
0.300	1.20	6.300	4.11	12.300	3.26	18.30	1.64
0.317	1.20	6.317	4.11	12.317	3.26	18.32	1.64
0.333	1.20	6.333	4.11	12.333	3.26	18.33	1.64
0.350	1.22	6.350	4.49	12.350	3.16	18.35	1.61
0.367	1.22	6.367	4.49	12.367	3.16	18.37	1.61
0.383	1.22	6.383	4.49	12.383	3.16	18.38	1.61
0.400	1.22	6.400	4.49	12.400	3.16	18.40	1.61
0.417	1.22	6.417	4.49	12.417	3.16	18.42	1.61
0.433	1.22	6.433	4.49	12.433	3.16	18.43	1.61
0.450	1.22	6.450	4.49	12.450	3.16	18.45	1.61
0.467	1.22	6.467	4.49	12.467	3.16	18.47	1.61
0.483	1.22	6.483	4.49	12.483	3.16	18.48	1.61
0.500	1.22	6.500	4.49	12.500	3.16	18.50	1.61
0.517	1.25	6.517	4.95	12.517	3.07	18.52	1.60
0.533	1.25	6.533	4.95	12.533	3.07	18.53	1.59
0.550	1.25	6.550	4.95	12.550	3.07	18.55	1.59
0.567	1.25	6.567	4.95	12.567	3.07	18.57	1.59
0.583	1.25	6.583	4.95	12.583	3.07	18.58	1.59
0.600	1.25	6.600	4.95	12.600	3.07	18.60	1.59
0.617	1.25	6.617	4.95	12.617	3.07	18.62	1.59
0.633	1.25	6.633	4.95	12.633	3.07	18.63	1.59
0.650	1.25	6.650	4.95	12.650	3.07	18.65	1.59
0.667	1.25	6.667	4.96	12.667	3.07	18.67	1.59
0.683	1.27	6.683	5.55	12.683	2.99	18.68	1.58
0.700	1.27	6.700	5.55	12.700	2.99	18.70	1.58
0.717	1.27	6.717	5.55	12.717	2.99	18.72	1.58
0.733	1.27	6.733	5.55	12.733	2.99	18.73	1.58
0.750	1.27	6.750	5.55	12.750	2.99	18.75	1.58
0.767	1.27	6.767	5.55	12.767	2.99	18.77	1.58
0.783	1.27	6.783	5.55	12.783	2.99	18.78	1.58
0.800	1.27	6.800	5.55	12.800	2.99	18.80	1.58
0.817	1.27	6.817	5.55	12.817	2.99	18.82	1.58
0.833	1.27	6.833	5.55	12.833	2.99	18.83	1.58
0.850	1.29	6.850	6.34	12.850	2.91	18.85	1.56
0.867	1.29	6.867	6.34	12.867	2.91	18.87	1.56
0.883	1.29	6.883	6.34	12.883	2.91	18.88	1.56
0.900	1.29	6.900	6.34	12.900	2.91	18.90	1.56
0.917	1.29	6.917	6.34	12.917	2.91	18.92	1.56
0.933	1.29	6.933	6.34	12.933	2.91	18.93	1.56
0.950	1.29	6.950	6.34	12.950	2.91	18.95	1.56
0.967	1.29	6.967	6.34	12.967	2.91	18.97	1.56
0.983	1.29	6.983	6.34	12.983	2.91	18.98	1.56
1.000	1.29	7.000	6.34	13.000	2.91	19.00	1.56
1.017	1.32	7.017	7.44	13.017	2.83	19.02	1.54
1.033	1.32	7.033	7.44	13.033	2.83	19.03	1.54
1.050	1.32	7.050	7.44	13.050	2.83	19.05	1.54
1.067	1.32	7.067	7.44	13.067	2.83	19.07	1.54
1.083	1.32	7.083	7.44	13.083	2.83	19.08	1.54
1.100	1.32	7.100	7.44	13.100	2.83	19.10	1.54
1.117	1.32	7.117	7.44	13.117	2.83	19.12	1.54
1.133	1.32	7.133	7.44	13.133	2.83	19.13	1.54
1.150	1.32	7.150	7.44	13.150	2.83	19.15	1.54
1.167	1.32	7.167	7.44	13.167	2.83	19.17	1.54
1.183	1.34	7.183	9.10	13.183	2.76	19.18	1.52
1.200	1.34	7.200	9.10	13.200	2.76	19.20	1.52
1.217	1.34	7.217	9.10	13.217	2.76	19.22	1.52
1.233	1.34	7.233	9.10	13.233	2.76	19.23	1.52
1.250	1.34	7.250	9.10	13.250	2.76	19.25	1.52
1.267	1.34	7.267	9.10	13.267	2.76	19.27	1.52
1.283	1.34	7.283	9.10	13.283	2.76	19.28	1.52
1.300	1.34	7.300	9.10	13.300	2.76	19.30	1.52
1.317	1.34	7.317	9.10	13.317	2.76	19.32	1.52
1.333	1.34	7.333	9.10	13.333	2.76	19.33	1.52
1.350	1.37	7.350	11.90	13.350	2.69	19.35	1.50
1.367	1.37	7.367	11.90	13.367	2.69	19.37	1.50
1.383	1.37	7.383	11.90	13.383	2.69	19.38	1.50
1.400	1.37	7.400	11.90	13.400	2.69	19.40	1.50
1.417	1.37	7.417	11.90	13.417	2.69	19.42	1.50
1.433	1.37	7.433	11.90	13.433	2.69	19.43	1.50
1.450	1.37	7.450	11.90	13.450	2.69	19.45	1.50
1.467	1.37	7.467	11.90	13.467	2.69	19.47	1.50
1.483	1.37	7.483	11.90	13.483	2.69	19.48	1.50
1.500	1.37	7.500	11.92	13.500	2.69	19.50	1.50
1.517	1.40	7.517	17.89	13.517	2.63	19.52	1.49
1.533	1.40	7.533	17.89	13.533	2.63	19.53	1.49
1.550	1.40	7.550	17.89	13.550	2.63	19.55	1.49
1.567	1.40	7.567	17.89	13.567	2.63	19.57	1.49
1.583	1.40	7.583	17.89	13.583	2.63	19.58	1.49
1.600	1.40	7.600	17.89	13.600	2.63	19.60	1.49
1.617	1.40	7.617	17.89	13.617	2.63	19.62	1.49
1.633	1.40	7.633	17.89	13.633	2.63	19.63	1.49
1.650	1.40	7.650	17.89	13.650	2.63	19.65	1.49
1.667	1.40	7.667	17.95	13.667	2.63	19.67	1.49
1.683	1.43	7.683	41.69	13.683	2.57	19.68	1.47
1.700	1.43	7.700	41.69	13.700	2.57	19.70	1.47
1.717	1.43	7.717	41.69	13.717	2.57	19.72	1.47
1.733	1.43	7.733	41.69	13.733	2.57	19.73	1.47
1.750	1.43	7.750	41.69	13.750	2.57	19.75	1.47
1.767	1.43	7.767	41.69	13.767	2.57	19.77	1.47
1.783	1.43	7.783	41.69	13.783	2.57	19.78	1.47
1.800	1.43	7.800	41.69	13.800	2.57	19.80	1.47
1.817	1.43	7.817	41.69	13.817	2.57	19.82	1.47
1.833	1.43	7.833	42.07	13.833	2.57	19.83	1.47
1.850	1.46	7.850	174.10	13.850	2.51	19.85	1.45
1.867	1.46	7.867	174.10	13.867	2.51	19.87	1.45
1.883	1.46	7.883	174.10	13.883	2.51	19.88	1.45
1.900	1.46	7.900	174.10	13.900	2.51	19.90	1.45
1.917	1.46	7.917	174.10	13.917	2.51	19.92	1.45
1.933	1.46	7.933	174.10	13.933	2.51	19.93	1.45
1.950	1.46	7.950	174.10	13.950	2.51	19.95	1.45
1.967	1.46	7.967	174.10	13.967	2.51	19.97	1.45
1.983	1.46	7.983	174.10	13.983	2.51	19.98	1.45
2.000	1.46	8.000	173.75	14.000	2.51	20.00	1.45
2.017	1.49	8.017	54.37	14.017	2.46	20.02	1.44
2.033	1.49	8.033	54.37	14.033	2.46	20.03	1.44
2.050	1.49	8.050	54.37	14.050	2.46	20.05	1.44
2.067	1.49	8.067	54.37	14.067	2.46	20.07	1.44
2.083	1.49	8.083	54.37	14.083	2.46	20.08	1.44
2.100	1.49	8.100	54.37	14.100	2.46	20.10	1.44
2.117	1.49	8.117	54.37	14.117	2.46	20.12	1.44
2.133	1.49	8.133	54.37	14.133	2.46	20.13	1.44
2.150	1.49	8.150	54.37	14.150	2.46	20.15	1.44
2.167	1.49	8.167	54.30	14.167	2.46	20.17	1.44
2.183	1.53	8.183	29.07	14.183	2.41	20.18	1.42
2.200	1.53	8.200	29.07	14.200	2.41	20.20	1.42
2.217	1.53	8.217	29.07	14.217	2.41	20.22	1.42
2.233	1.53	8.233	29.07	14.233	2.41	20.23	1.42
2.250	1.53	8.250	29.07	14.250	2.41	20.25	1.42
2.267	1.53	8.267	29.07	14.267	2.41	20.27	1.42
2.283	1.53	8.283	29.07	14.283	2.41	20.28	1.42
2.300	1.53	8.300	29.07	14.300	2.41	20.30	1.42
2.317	1.53	8.317	29.07	14.317	2.41	20.32	1.42
2.333	1.53	8.333	29.05	14.333	2.41	20.33	1.42
2.350	1.56	8.350	20.18	14.350	2.36	20.35	1.41
2.367	1.56	8.367	20.18	14.367	2.36	20.37	1.41
2.383	1.56	8.383	20.18	14.383	2.36	20.38	1.41
2.400	1.56	8.400	20.18	14.400	2.36	20.40	1.41
2.417	1.56	8.417	20.18	14.417	2.36	20.42	1.41
2.433	1.56	8.433	20.18	14.433	2.36	20.43	1.41
2.450	1.56	8.450	20.18	14.450	2.36	20.45	1.41
2.467	1.56	8.467	20.18	14.467	2.36	20.47	1.41
2.483	1.56	8.483	20.18	14.483	2.36	20.48	1.41
2.500	1.56	8.500	20.17	14.500	2.36	20.50	1.41
2.517	1.60	8.517	15.63	14.517	2.31	20.52	1.39

2.533	1.60	8.533	15.63	14.533	2.31	20.53	1.39
2.550	1.60	8.550	15.63	14.550	2.31	20.55	1.39
2.567	1.60	8.567	15.63	14.567	2.31	20.57	1.39
2.583	1.60	8.583	15.63	14.583	2.31	20.58	1.39
2.600	1.60	8.600	15.63	14.600	2.31	20.60	1.39
2.617	1.60	8.617	15.63	14.617	2.31	20.62	1.39
2.633	1.60	8.633	15.63	14.633	2.31	20.63	1.39
2.650	1.60	8.650	15.63	14.650	2.31	20.65	1.39
2.667	1.60	8.667	15.62	14.667	2.31	20.67	1.39
2.683	1.64	8.683	12.86	14.683	2.27	20.68	1.38
2.700	1.64	8.700	12.86	14.700	2.27	20.70	1.38
2.717	1.64	8.717	12.86	14.717	2.27	20.72	1.38
2.733	1.64	8.733	12.86	14.733	2.27	20.73	1.38
2.750	1.64	8.750	12.86	14.750	2.27	20.75	1.38
2.767	1.64	8.767	12.86	14.767	2.27	20.77	1.38
2.783	1.64	8.783	12.86	14.783	2.27	20.78	1.38
2.800	1.64	8.800	12.86	14.800	2.27	20.80	1.38
2.817	1.64	8.817	12.86	14.817	2.27	20.82	1.38
2.833	1.64	8.833	12.85	14.833	2.27	20.83	1.38
2.850	1.69	8.850	10.98	14.850	2.22	20.85	1.37
2.867	1.69	8.867	10.98	14.867	2.22	20.87	1.37
2.883	1.69	8.883	10.98	14.883	2.22	20.88	1.37
2.900	1.69	8.900	10.98	14.900	2.22	20.90	1.37
2.917	1.69	8.917	10.98	14.917	2.22	20.92	1.37
2.933	1.69	8.933	10.98	14.933	2.22	20.93	1.37
2.950	1.69	8.950	10.98	14.950	2.22	20.95	1.37
2.967	1.69	8.967	10.98	14.967	2.22	20.97	1.37
2.983	1.69	8.983	10.98	14.983	2.22	20.98	1.37
3.000	1.69	9.000	10.98	15.000	2.22	21.00	1.37
3.017	1.73	9.017	9.62	15.017	2.18	21.02	1.35
3.033	1.73	9.033	9.62	15.033	2.18	21.03	1.35
3.050	1.73	9.050	9.62	15.050	2.18	21.05	1.35
3.067	1.73	9.067	9.62	15.067	2.18	21.07	1.35
3.083	1.73	9.083	9.62	15.083	2.18	21.08	1.35
3.100	1.73	9.100	9.62	15.100	2.18	21.10	1.35
3.117	1.73	9.117	9.62	15.117	2.18	21.12	1.35
3.133	1.73	9.133	9.62	15.133	2.18	21.13	1.35
3.150	1.73	9.150	9.62	15.150	2.18	21.15	1.35
3.167	1.73	9.167	9.62	15.167	2.18	21.17	1.35
3.183	1.78	9.183	8.59	15.183	2.14	21.18	1.34
3.200	1.78	9.200	8.59	15.200	2.14	21.20	1.34
3.217	1.78	9.217	8.59	15.217	2.14	21.22	1.34
3.233	1.78	9.233	8.59	15.233	2.14	21.23	1.34
3.250	1.78	9.250	8.59	15.250	2.14	21.25	1.34
3.267	1.78	9.267	8.59	15.267	2.14	21.27	1.34
3.283	1.78	9.283	8.59	15.283	2.14	21.28	1.34
3.300	1.78	9.300	8.59	15.300	2.14	21.30	1.34
3.317	1.78	9.317	8.59	15.317	2.14	21.32	1.34
3.333	1.78	9.333	8.59	15.333	2.14	21.33	1.34
3.350	1.83	9.350	7.78	15.350	2.11	21.35	1.33
3.367	1.83	9.367	7.78	15.367	2.11	21.37	1.33
3.383	1.83	9.383	7.78	15.383	2.11	21.38	1.33
3.400	1.83	9.400	7.78	15.400	2.11	21.40	1.33
3.417	1.83	9.417	7.78	15.417	2.11	21.42	1.33
3.433	1.83	9.433	7.78	15.433	2.11	21.43	1.33
3.450	1.83	9.450	7.78	15.450	2.11	21.45	1.33
3.467	1.83	9.467	7.78	15.467	2.11	21.47	1.33
3.483	1.83	9.483	7.78	15.483	2.11	21.48	1.33
3.500	1.83	9.500	7.78	15.500	2.11	21.50	1.33
3.517	1.89	9.517	7.12	15.517	2.07	21.52	1.31
3.533	1.89	9.533	7.12	15.533	2.07	21.53	1.31
3.550	1.89	9.550	7.12	15.550	2.07	21.55	1.31
3.567	1.89	9.567	7.12	15.567	2.07	21.57	1.31
3.583	1.89	9.583	7.12	15.583	2.07	21.58	1.31
3.600	1.89	9.600	7.12	15.600	2.07	21.60	1.31
3.617	1.89	9.617	7.12	15.617	2.07	21.62	1.31
3.633	1.89	9.633	7.12	15.633	2.07	21.63	1.31
3.650	1.89	9.650	7.12	15.650	2.07	21.65	1.31
3.667	1.89	9.667	7.12	15.667	2.07	21.67	1.31
3.683	1.95	9.683	6.58	15.683	2.03	21.68	1.30
3.700	1.95	9.700	6.58	15.700	2.03	21.70	1.30
3.717	1.95	9.717	6.58	15.717	2.03	21.72	1.30
3.733	1.95	9.733	6.58	15.733	2.03	21.73	1.30
3.750	1.95	9.750	6.58	15.750	2.03	21.75	1.30
3.767	1.95	9.767	6.58	15.767	2.03	21.77	1.30
3.783	1.95	9.783	6.58	15.783	2.03	21.78	1.30
3.800	1.95	9.800	6.58	15.800	2.03	21.80	1.30
3.817	1.95	9.817	6.58	15.817	2.03	21.82	1.30
3.833	1.95	9.833	6.58	15.833	2.03	21.83	1.30
3.850	2.02	9.850	6.12	15.850	2.00	21.85	1.29
3.867	2.02	9.867	6.12	15.867	2.00	21.87	1.29
3.883	2.02	9.883	6.12	15.883	2.00	21.88	1.29
3.900	2.02	9.900	6.12	15.900	2.00	21.90	1.29
3.917	2.02	9.917	6.12	15.917	2.00	21.92	1.29
3.933	2.02	9.933	6.12	15.933	2.00	21.93	1.29
3.950	2.02	9.950	6.12	15.950	2.00	21.95	1.29
3.967	2.02	9.967	6.12	15.967	2.00	21.97	1.29
3.983	2.02	9.983	6.12	15.983	2.00	21.98	1.29
4.000	2.02	10.000	6.12	16.000	2.00	22.00	1.29
4.017	2.09	10.017	5.73	16.017	1.97	22.02	1.28
4.033	2.09	10.033	5.73	16.033	1.97	22.03	1.28
4.050	2.09	10.050	5.73	16.050	1.97	22.05	1.28
4.067	2.09	10.067	5.73	16.067	1.97	22.07	1.28
4.083	2.09	10.083	5.73	16.083	1.97	22.08	1.28
4.100	2.09	10.100	5.73	16.100	1.97	22.10	1.28
4.117	2.09	10.117	5.73	16.117	1.97	22.12	1.28
4.133	2.09	10.133	5.73	16.133	1.97	22.13	1.28
4.150	2.09	10.150	5.73	16.150	1.97	22.15	1.28
4.167	2.09	10.167	5.73	16.167	1.97	22.17	1.28
4.183	2.16	10.183	5.39	16.183	1.94	22.18	1.26
4.200	2.16	10.200	5.39	16.200	1.94	22.20	1.26
4.217	2.16	10.217	5.39	16.217	1.94	22.22	1.26
4.233	2.16	10.233	5.39	16.233	1.94	22.23	1.26
4.250	2.16	10.250	5.39	16.250	1.94	22.25	1.26
4.267	2.16	10.267	5.39	16.267	1.94	22.27	1.26
4.283	2.16	10.283	5.39	16.283	1.94	22.28	1.26
4.300	2.16	10.300	5.39	16.300	1.94	22.30	1.26
4.317	2.16	10.317	5.39	16.317	1.94	22.32	1.26
4.333	2.16	10.333	5.39	16.333	1.94	22.33	1.26
4.350	2.24	10.350	5.09	16.350	1.91	22.35	1.25
4.367	2.24	10.367	5.09	16.367	1.91	22.37	1.25
4.383	2.24	10.383	5.09	16.383	1.91	22.38	1.25
4.400	2.24	10.400	5.09	16.400	1.91	22.40	1.25
4.417	2.24	10.417	5.09	16.417	1.91	22.42	1.25
4.433	2.24	10.433	5.09	16.433	1.91	22.43	1.25
4.450	2.24	10.450	5.09	16.450	1.91	22.45	1.25
4.467	2.24	10.467	5.09	16.467	1.91	22.47	1.25
4.483	2.24	10.483	5.09	16.483	1.91	22.48	1.25
4.500	2.24	10.500	5.09	16.500	1.91	22.50	1.25
4.517	2.33	10.517	4.83	16.517	1.88	22.52	1.24
4.533	2.33	10.533	4.83	16.533	1.88	22.53	1.24
4.550	2.33	10.550	4.83	16.550	1.88	22.55	1.24
4.567	2.33	10.567	4.83	16.567	1.88	22.57	1.24
4.583	2.33	10.583	4.83	16.583	1.88	22.58	1.24
4.600	2.33	10.600	4.83	16.600	1.88	22.60	1.24
4.617	2.33	10.617	4.83	16.617	1.88	22.62	1.24
4.633	2.33	10.633	4.83	16.633	1.88	22.63	1.24
4.650	2.33	10.650	4.83	16.650	1.88	22.65	1.24
4.667	2.33	10.667	4.83	16.667	1.88	22.67	1.24
4.683	2.43	10.683	4.60	16.683	1.85	22.68	1.23
4.700	2.43	10.700	4.60	16.700	1.85	22.70	1.23
4.717	2.43	10.717	4.60	16.717	1.85	22.72	1.23
4.733	2.43	10.733	4.60	16.733	1.85	22.73	1.23
4.750	2.43	10.750	4.60	16.750	1.85	22.75	1.23
4.767	2.43	10.767	4.60	16.767	1.85	22.77	1.23
4.783	2.43	10.783	4.60	16.783	1.85	22.78	1.23
4.800	2.43	10.800	4.60	16.800	1.85	22.80	1.23
4.817	2.43	10.817	4.60	16.817	1.85	22.82	1.23
4.833	2.43	10.833	4.60	16.833	1.85	22.83	1.23
4.850	2.54	10.850	4.39	16.850	1.82	22.85	1.22
4.867	2.54	10.867	4.39	16.867	1.82	22.87	1.22
4.883	2.54	10.883	4.39	16.883	1.82	22.88	1.22
4.900	2.54	10.900	4.39	16.900	1.82	22.90	1.22
4.917	2.54	10.917	4.39	16.917	1.82	22.92	1.22
4.933	2.54	10.933	4.39	16.933	1.82	22.93	1.22
4.950	2.54	10.950	4.39	16.950	1.82	22.95	1.22
4.967	2.54	10.967	4.39	16.967	1.82	22.97	1.22
4.983	2.54	10.983	4.39	16.983	1.82	22.98	1.22
5.000	2.54	11.000	4.39	17.000	1.82	23.00	1.22
5.017	2.66	11.017	4.20	17.017	1.80	23.02	1.21
5.033	2.66	11.033	4.20	17.033	1.80	23.03	1.21
5.050	2.66	11.050	4.20	17.050	1.80	23.05	1.21
5.067	2.66	11.067	4.20	17.067	1.80	23.07	1.21
5.083	2.66	11.083	4.20	17.083	1.80	23.08	1.21
5.100	2.66	11.100	4.20	17.100	1.80	23.10	1.21
5.117	2.66	11.117	4.20	17.117	1.80	23.12	1.21
5.133	2.66	11.133	4.20	17.133	1.80	23.13	1.21
5.150	2.66	11.150	4.20	17.150	1.80	23.15	1.21
5.167	2.66	11.167	4.20	17.167	1.80	23.17	1.21
5.183	2.79	11.183	4.03	17.183	1.77	23.18	1.20
5.200	2.79	11.200	4.03	17.200	1.77	23.20	1.20
5.217	2.79	11.217	4.03	17.217	1.77	23.22	1.20
5.233	2.79	11.233	4.03	17.233	1.77	23.23	1.20
5.250	2.79	11.250	4.03	17.250	1.77	23.25	1.20
5.267	2.79	11.267	4.03	17.267	1.77	23.27	1.20
5.283	2.79	11.283	4.03	17.283	1.77	23.28	1.20
5.300	2.79	11.300	4.03	17.300	1.77	23.30	1.20
5.317	2.79	11.317	4.03	17.317	1.77	23.32	1.20
5.333	2.79	11.333	4.03	17.333	1.77	23.33	1.20
5.350	2.94	11.350	3.87	17.350	1.75	23.35	1.19
5.367	2.94	11.367	3.87	17.367	1.75	23.37	1.19
5.383	2.94	11.383	3.87	17.383	1.75	23.38	1.19
5.400	2.94	11.400	3.87	17.400	1.75	23.40	1.19
5.417	2.94	11.417	3.87	17.417	1.75	23.42	1.19
5.433	2.94	11.433	3.87	17.433	1.75	23.43	1.19
5.450	2.94	11.450	3.87	17.450	1.75	23.45	1.19
5.467	2.94	11.467	3.87	17.467	1.75	23.47	1.19
5.483	2.94	11.483	3.87	17.483	1.75	23.48	1.19
5.500	2.94	11.500	3.87	17.500	1.75	23.50	1.19
5.517	3.11	11.517	3.73	17.517	1.72	23.52	1.18
5.533	3.11	11.533	3.73	17.533	1.72	23.53	1.18
5.550	3.11	11.550	3.73	17.550	1.72	23.55	1.18
5.567	3.11	11.567	3.73	17.567	1.72	23.57	1.18
5.583	3.11	11.583	3.73	17.583	1.72	23.58	1.18
5.600	3.11	11.600	3.73	17.600	1.72	23.60	1.18
5.617	3.11	11.617	3.73	17.617	1.72	23.62	1.18
5.633	3.11	11.633	3.73	17.633	1.72	23.63	1.18
5.650	3.11	11.650	3.73	17.650	1.72	23.65	1.18
5.667	3.11	11.667	3.73	17.667	1.72	23.67	1.18
5.683	3.31	11.683	3.60	17.683	1.70	23.68	1.17
5.700	3.31	11.700	3.60	17.700	1.70	23.70	1.17
5.717	3.31	11.717	3.60	17.717	1.70	23.72	1.17
5.733	3.31	11.733	3.60	17.733	1.70	23.73	1.17
5.750	3.31	11.750	3.60	17.750	1.70	23.75	1.17
5.767	3.31	11.767	3.60	17.767	1.70	23.77	1.17
5.783	3.31	11.783	3.60	17.783	1.70	23.78	1.17
5.800	3.31	11.800	3.60	17.800	1.70	23.80	1.17
5.817	3.31	11.817	3.60	17.817	1.70	23.82	1.17
5.833	3.31	11.833	3.60	17.833	1.70	23.83	1.17
5.850	3.53	11.850	3.48	17.850	1.68	23.85	1.16

5.867	3.53	11.867	3.48	17.867	1.68	23.87	1.16
5.883	3.53	11.883	3.48	17.883	1.68	23.88	1.16
5.900	3.53	11.900	3.48	17.900	1.68	23.90	1.16
5.917	3.53	11.917	3.48	17.917	1.68	23.92	1.16
5.933	3.53	11.933	3.48	17.933	1.68	23.93	1.16
5.950	3.53	11.950	3.48	17.950	1.68	23.95	1.16
5.967	3.53	11.967	3.48	17.967	1.68	23.97	1.16
5.983	3.53	11.983	3.48	17.983	1.68	23.98	1.16
6.000	3.53	12.000	3.48	18.000	1.68	24.00	1.16

Max.Eff.Inten.(mm/hr)=	174.10	124.59	
over (min)	5.00	7.00	
Storage Coeff. (min)=	4.13 (ii)	6.47 (ii)	
Unit Hyd. Tpeak (min)=	5.00	7.00	
Unit Hyd. peak (cms)=	0.26	0.17	
			TOTALS
PEAK FLOW (cms)=	5.95	0.41	6.334 (iii)
TIME TO PEAK (hrs)=	8.02	8.05	8.02
RUNOFF VOLUME (mm)=	121.39	84.95	117.76
TOTAL RAINFALL (mm)=	122.41	122.41	122.41
RUNOFF COEFFICIENT =	0.99	0.69	0.96

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

CALIB			
STANDHYD (0013)	Area (ha)=	2.56	
ID= 1 DT= 1.0 min	Total Imp(%)=	99.00	Dir. Conn.(%)= 99.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	2.53	0.03
Dep. Storage	(mm)=	1.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	130.64	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	1.18	6.017	3.80	12.017	3.36	18.02	1.66
0.033	1.18	6.033	3.80	12.033	3.36	18.03	1.66
0.050	1.18	6.050	3.80	12.050	3.36	18.05	1.66
0.067	1.18	6.067	3.80	12.067	3.36	18.07	1.66
0.083	1.18	6.083	3.80	12.083	3.36	18.08	1.66
0.100	1.18	6.100	3.80	12.100	3.36	18.10	1.66
0.117	1.18	6.117	3.80	12.117	3.36	18.12	1.66
0.133	1.18	6.133	3.80	12.133	3.36	18.13	1.66
0.150	1.18	6.150	3.80	12.150	3.36	18.15	1.66
0.167	1.18	6.167	3.80	12.167	3.36	18.17	1.66
0.183	1.20	6.183	4.11	12.183	3.26	18.18	1.64
0.200	1.20	6.200	4.11	12.200	3.26	18.20	1.64
0.217	1.20	6.217	4.11	12.217	3.26	18.22	1.64
0.233	1.20	6.233	4.11	12.233	3.26	18.23	1.64
0.250	1.20	6.250	4.11	12.250	3.26	18.25	1.64
0.267	1.20	6.267	4.11	12.267	3.26	18.27	1.64
0.283	1.20	6.283	4.11	12.283	3.26	18.28	1.64
0.300	1.20	6.300	4.11	12.300	3.26	18.30	1.64
0.317	1.20	6.317	4.11	12.317	3.26	18.32	1.64
0.333	1.20	6.333	4.11	12.333	3.26	18.33	1.64
0.350	1.22	6.350	4.49	12.350	3.16	18.35	1.61
0.367	1.22	6.367	4.49	12.367	3.16	18.37	1.61
0.383	1.22	6.383	4.49	12.383	3.16	18.38	1.61
0.400	1.22	6.400	4.49	12.400	3.16	18.40	1.61
0.417	1.22	6.417	4.49	12.417	3.16	18.42	1.61
0.433	1.22	6.433	4.49	12.433	3.16	18.43	1.61
0.450	1.22	6.450	4.49	12.450	3.16	18.45	1.61
0.467	1.22	6.467	4.49	12.467	3.16	18.47	1.61
0.483	1.22	6.483	4.49	12.483	3.16	18.48	1.61
0.500	1.22	6.500	4.49	12.500	3.16	18.50	1.61
0.517	1.25	6.517	4.95	12.517	3.07	18.52	1.60
0.533	1.25	6.533	4.95	12.533	3.07	18.53	1.59
0.550	1.25	6.550	4.95	12.550	3.07	18.55	1.59
0.567	1.25	6.567	4.95	12.567	3.07	18.57	1.59
0.583	1.25	6.583	4.95	12.583	3.07	18.58	1.59
0.600	1.25	6.600	4.95	12.600	3.07	18.60	1.59
0.617	1.25	6.617	4.95	12.617	3.07	18.62	1.59
0.633	1.25	6.633	4.95	12.633	3.07	18.63	1.59
0.650	1.25	6.650	4.95	12.650	3.07	18.65	1.59
0.667	1.25	6.667	4.96	12.667	3.07	18.67	1.59
0.683	1.27	6.683	5.55	12.683	2.99	18.68	1.58
0.700	1.27	6.700	5.55	12.700	2.99	18.70	1.58
0.717	1.27	6.717	5.55	12.717	2.99	18.72	1.58
0.733	1.27	6.733	5.55	12.733	2.99	18.73	1.58
0.750	1.27	6.750	5.55	12.750	2.99	18.75	1.58
0.767	1.27	6.767	5.55	12.767	2.99	18.77	1.58
0.783	1.27	6.783	5.55	12.783	2.99	18.78	1.58
0.800	1.27	6.800	5.55	12.800	2.99	18.80	1.58
0.817	1.27	6.817	5.55	12.817	2.99	18.82	1.58
0.833	1.27	6.833	5.55	12.833	2.99	18.83	1.58
0.850	1.29	6.850	6.34	12.850	2.91	18.85	1.56
0.867	1.29	6.867	6.34	12.867	2.91	18.87	1.56
0.883	1.29	6.883	6.34	12.883	2.91	18.88	1.56
0.900	1.29	6.900	6.34	12.900	2.91	18.90	1.56
0.917	1.29	6.917	6.34	12.917	2.91	18.92	1.56
0.933	1.29	6.933	6.34	12.933	2.91	18.93	1.56
0.950	1.29	6.950	6.34	12.950	2.91	18.95	1.56
0.967	1.29	6.967	6.34	12.967	2.91	18.97	1.56
0.983	1.29	6.983	6.34	12.983	2.91	18.98	1.56
1.000	1.29	7.000	6.34	13.000	2.91	19.00	1.56
1.017	1.32	7.017	7.44	13.017	2.83	19.02	1.54
1.033	1.32	7.033	7.44	13.033	2.83	19.03	1.54
1.050	1.32	7.050	7.44	13.050	2.83	19.05	1.54
1.067	1.32	7.067	7.44	13.067	2.83	19.07	1.54
1.083	1.32	7.083	7.44	13.083	2.83	19.08	1.54
1.100	1.32	7.100	7.44	13.100	2.83	19.10	1.54
1.117	1.32	7.117	7.44	13.117	2.83	19.12	1.54
1.133	1.32	7.133	7.44	13.133	2.83	19.13	1.54
1.150	1.32	7.150	7.44	13.150	2.83	19.15	1.54
1.167	1.32	7.167	7.44	13.167	2.83	19.17	1.54
1.183	1.34	7.183	9.10	13.183	2.76	19.18	1.52
1.200	1.34	7.200	9.10	13.200	2.76	19.20	1.52
1.217	1.34	7.217	9.10	13.217	2.76	19.22	1.52
1.233	1.34	7.233	9.10	13.233	2.76	19.23	1.52
1.250	1.34	7.250	9.10	13.250	2.76	19.25	1.52
1.267	1.34	7.267	9.10	13.267	2.76	19.27	1.52
1.283	1.34	7.283	9.10	13.283	2.76	19.28	1.52
1.300	1.34	7.300	9.10	13.300	2.76	19.30	1.52
1.317	1.34	7.317	9.10	13.317	2.76	19.32	1.52
1.333	1.34	7.333	9.10	13.333	2.76	19.33	1.52
1.350	1.37	7.350	11.90	13.350	2.69	19.35	1.50
1.367	1.37	7.367	11.90	13.367	2.69	19.37	1.50
1.383	1.37	7.383	11.90	13.383	2.69	19.38	1.50
1.400	1.37	7.400	11.90	13.400	2.69	19.40	1.50
1.417	1.37	7.417	11.90	13.417	2.69	19.42	1.50
1.433	1.37	7.433	11.90	13.433	2.69	19.43	1.50
1.450	1.37	7.450	11.90	13.450	2.69	19.45	1.50
1.467	1.37	7.467	11.90	13.467	2.69	19.47	1.50
1.483	1.37	7.483	11.90	13.483	2.69	19.48	1.50
1.500	1.37	7.500	11.92	13.500	2.69	19.50	1.50
1.517	1.40	7.517	17.89	13.517	2.63	19.52	1.49
1.533	1.40	7.533	17.89	13.533	2.63	19.53	1.49
1.550	1.40	7.550	17.89	13.550	2.63	19.55	1.49
1.567	1.40	7.567	17.89	13.567	2.63	19.57	1.49
1.583	1.40	7.583	17.89	13.583	2.63	19.58	1.49
1.600	1.40	7.600	17.89	13.600	2.63	19.60	1.49
1.617	1.40	7.617	17.89	13.617	2.63	19.62	1.49
1.633	1.40	7.633	17.89	13.633	2.63	19.63	1.49
1.650	1.40	7.650	17.89	13.650	2.63	19.65	1.49
1.667	1.40	7.667	17.95	13.667	2.63	19.67	1.49
1.683	1.43	7.683	41.69	13.683	2.57	19.68	1.47
1.700	1.43	7.700	41.69	13.700	2.57	19.70	1.47
1.717	1.43	7.717	41.69	13.717	2.57	19.72	1.47
1.733	1.43	7.733	41.69	13.733	2.57	19.73	1.47
1.750	1.43	7.750	41.69	13.750	2.57	19.75	1.47
1.767	1.43	7.767	41.69	13.767	2.57	19.77	1.47
1.783	1.43	7.783	41.69	13.783	2.57	19.78	1.47
1.800	1.43	7.800	41.69	13.800	2.57	19.80	1.47
1.817	1.43	7.817	41.69	13.817	2.57	19.82	1.47
1.833	1.43	7.833	42.07	13.833	2.57	19.83	1.47
1.850	1.46	7.850	174.10	13.850	2.51	19.85	1.45
1.867	1.46	7.867	174.10	13.867	2.51	19.87	1.45
1.883	1.46	7.883	174.10	13.883	2.51	19.88	1.45
1.900	1.46	7.900	174.10	13.900	2.51	19.90	1.45
1.917	1.46	7.917	174.10	13.917	2.51	19.92	1.45
1.933	1.46	7.933	174.10	13.933	2.51	19.93	1.45
1.950	1.46	7.950	174.10	13.950	2.51	19.95	1.45
1.967	1.46	7.967	174.10	13.967	2.51	19.97	1.45
1.983	1.46	7.983	174.10	13.983	2.51	19.98	1.45
2.000	1.46	8.000	173.75	14.000	2.51	20.00	1.45
2.017	1.49	8.017	54.37	14.017	2.46	20.02	1.44
2.033	1.49	8.033	54.37	14.033	2.46	20.03	1.44
2.050	1.49	8.050	54.37	14.050	2.46	20.05	1.44
2.067	1.49	8.067	54.37	14.067	2.46	20.07	1.44
2.083	1.49	8.083	54.37	14.083	2.46	20.08	1.44
2.100	1.49	8.100	54.37	14.100	2.46	20.10	1.44
2.117	1.49	8.117	54.37	14.117	2.46	20.12	1.44
2.133	1.49	8.133	54.37	14.133	2.46	20.13	1.44
2.150	1.49	8.150	54.37	14.150	2.46	20.15	1.44
2.167	1.49	8.167	54.30	14.167	2.46	20.17	1.44
2.183	1.53	8.183	29.07	14.183	2.41	20.18	1.42
2.200	1.53	8.200	29.07	14.200	2.41	20.20	1.42
2.217	1.53	8.217	29.07	14.217	2.41	20.22	1.42
2.233	1.53	8.233	29.07	14.233	2.41	20.23	1.42
2.250	1.53	8.250	29.07	14.250	2.41	20.25	1.42
2.267	1.53	8.267	29.07	14.267	2.41	20.27	1.42
2.283	1.53	8.283	29.07	14.283	2.41	20.28	1.42
2.300	1.53	8.300	29.07	14.300	2.41	20.30	1.42
2.317	1.53	8.317	29.07	14.317	2.41	20.32	1.42
2.333	1.53	8.333	29.05	14.333	2.41	20.33	1.42
2.350	1.56	8.350	20.18	14.350	2.36	20.35	1.41
2.367	1.56	8.367	20.18	14.367	2.36	20.37	1.41
2.383	1.56	8.383	20.18	14.383	2.36	20.38	1.41
2.400	1.56	8.400	20.18	14.400	2.36	20.40	1.41
2.417	1.56	8.417	20.18	14.417	2.36	20.42	1.41
2.433	1.56	8.433	20.18	14.433	2.36	20.43	1.41
2.450	1.56	8.450	20.18	14.450	2.36	20.45	1.41
2.467	1.56	8.467	20.18	14.467	2.36	20.47	1.41
2.483	1.56	8.483	20.18	14.483	2.36	20.48	1.41
2.500	1.56	8.500	20.17	14.500	2.36	20.50	1.41
2.517	1.60	8.517	15.63	14.517	2.31	20.52	1.39
2.533	1.60	8.533	15.63	14.533	2.31	20.53	1.39

2.550	1.60	8.550	15.63	14.550	2.31	20.55	1.39
2.567	1.60	8.567	15.63	14.567	2.31	20.57	1.39
2.583	1.60	8.583	15.63	14.583	2.31	20.58	1.39
2.600	1.60	8.600	15.63	14.600	2.31	20.60	1.39
2.617	1.60	8.617	15.63	14.617	2.31	20.62	1.39
2.633	1.60	8.633	15.63	14.633	2.31	20.63	1.39
2.650	1.60	8.650	15.63	14.650	2.31	20.65	1.39
2.667	1.60	8.667	15.62	14.667	2.31	20.67	1.39
2.683	1.64	8.683	12.86	14.683	2.27	20.68	1.38
2.700	1.64	8.700	12.86	14.700	2.27	20.70	1.38
2.717	1.64	8.717	12.86	14.717	2.27	20.72	1.38
2.733	1.64	8.733	12.86	14.733	2.27	20.73	1.38
2.750	1.64	8.750	12.86	14.750	2.27	20.75	1.38
2.767	1.64	8.767	12.86	14.767	2.27	20.77	1.38
2.783	1.64	8.783	12.86	14.783	2.27	20.78	1.38
2.800	1.64	8.800	12.86	14.800	2.27	20.80	1.38
2.817	1.64	8.817	12.86	14.817	2.27	20.82	1.38
2.833	1.64	8.833	12.85	14.833	2.27	20.83	1.38
2.850	1.69	8.850	10.98	14.850	2.22	20.85	1.37
2.867	1.69	8.867	10.98	14.867	2.22	20.87	1.37
2.883	1.69	8.883	10.98	14.883	2.22	20.88	1.37
2.900	1.69	8.900	10.98	14.900	2.22	20.90	1.37
2.917	1.69	8.917	10.98	14.917	2.22	20.92	1.37
2.933	1.69	8.933	10.98	14.933	2.22	20.93	1.37
2.950	1.69	8.950	10.98	14.950	2.22	20.95	1.37
2.967	1.69	8.967	10.98	14.967	2.22	20.97	1.37
2.983	1.69	8.983	10.98	14.983	2.22	20.98	1.37
3.000	1.69	9.000	10.98	15.000	2.22	21.00	1.37
3.017	1.73	9.017	9.62	15.017	2.18	21.02	1.35
3.033	1.73	9.033	9.62	15.033	2.18	21.03	1.35
3.050	1.73	9.050	9.62	15.050	2.18	21.05	1.35
3.067	1.73	9.067	9.62	15.067	2.18	21.07	1.35
3.083	1.73	9.083	9.62	15.083	2.18	21.08	1.35
3.100	1.73	9.100	9.62	15.100	2.18	21.10	1.35
3.117	1.73	9.117	9.62	15.117	2.18	21.12	1.35
3.133	1.73	9.133	9.62	15.133	2.18	21.13	1.35
3.150	1.73	9.150	9.62	15.150	2.18	21.15	1.35
3.167	1.73	9.167	9.62	15.167	2.18	21.17	1.35
3.183	1.78	9.183	8.59	15.183	2.14	21.18	1.34
3.200	1.78	9.200	8.59	15.200	2.14	21.20	1.34
3.217	1.78	9.217	8.59	15.217	2.14	21.22	1.34
3.233	1.78	9.233	8.59	15.233	2.14	21.23	1.34
3.250	1.78	9.250	8.59	15.250	2.14	21.25	1.34
3.267	1.78	9.267	8.59	15.267	2.14	21.27	1.34
3.283	1.78	9.283	8.59	15.283	2.14	21.28	1.34
3.300	1.78	9.300	8.59	15.300	2.14	21.30	1.34
3.317	1.78	9.317	8.59	15.317	2.14	21.32	1.34
3.333	1.78	9.333	8.59	15.333	2.14	21.33	1.34
3.350	1.83	9.350	7.78	15.350	2.11	21.35	1.33
3.367	1.83	9.367	7.78	15.367	2.11	21.37	1.33
3.383	1.83	9.383	7.78	15.383	2.11	21.38	1.33
3.400	1.83	9.400	7.78	15.400	2.11	21.40	1.33
3.417	1.83	9.417	7.78	15.417	2.11	21.42	1.33
3.433	1.83	9.433	7.78	15.433	2.11	21.43	1.33
3.450	1.83	9.450	7.78	15.450	2.11	21.45	1.33
3.467	1.83	9.467	7.78	15.467	2.11	21.47	1.33
3.483	1.83	9.483	7.78	15.483	2.11	21.48	1.33
3.500	1.83	9.500	7.78	15.500	2.11	21.50	1.33
3.517	1.89	9.517	7.12	15.517	2.07	21.52	1.31
3.533	1.89	9.533	7.12	15.533	2.07	21.53	1.31
3.550	1.89	9.550	7.12	15.550	2.07	21.55	1.31
3.567	1.89	9.567	7.12	15.567	2.07	21.57	1.31
3.583	1.89	9.583	7.12	15.583	2.07	21.58	1.31
3.600	1.89	9.600	7.12	15.600	2.07	21.60	1.31
3.617	1.89	9.617	7.12	15.617	2.07	21.62	1.31
3.633	1.89	9.633	7.12	15.633	2.07	21.63	1.31
3.650	1.89	9.650	7.12	15.650	2.07	21.65	1.31
3.667	1.89	9.667	7.12	15.667	2.07	21.67	1.31
3.683	1.95	9.683	6.58	15.683	2.03	21.68	1.30
3.700	1.95	9.700	6.58	15.700	2.03	21.70	1.30
3.717	1.95	9.717	6.58	15.717	2.03	21.72	1.30
3.733	1.95	9.733	6.58	15.733	2.03	21.73	1.30
3.750	1.95	9.750	6.58	15.750	2.03	21.75	1.30
3.767	1.95	9.767	6.58	15.767	2.03	21.77	1.30
3.783	1.95	9.783	6.58	15.783	2.03	21.78	1.30
3.800	1.95	9.800	6.58	15.800	2.03	21.80	1.30
3.817	1.95	9.817	6.58	15.817	2.03	21.82	1.30
3.833	1.95	9.833	6.58	15.833	2.03	21.83	1.30
3.850	2.02	9.850	6.12	15.850	2.00	21.85	1.29
3.867	2.02	9.867	6.12	15.867	2.00	21.87	1.29
3.883	2.02	9.883	6.12	15.883	2.00	21.88	1.29
3.900	2.02	9.900	6.12	15.900	2.00	21.90	1.29
3.917	2.02	9.917	6.12	15.917	2.00	21.92	1.29
3.933	2.02	9.933	6.12	15.933	2.00	21.93	1.29
3.950	2.02	9.950	6.12	15.950	2.00	21.95	1.29
3.967	2.02	9.967	6.12	15.967	2.00	21.97	1.29
3.983	2.02	9.983	6.12	15.983	2.00	21.98	1.29
4.000	2.02	10.000	6.12	16.000	2.00	22.00	1.29
4.017	2.09	10.017	5.73	16.017	1.97	22.02	1.28
4.033	2.09	10.033	5.73	16.033	1.97	22.03	1.28
4.050	2.09	10.050	5.73	16.050	1.97	22.05	1.28
4.067	2.09	10.067	5.73	16.067	1.97	22.07	1.28
4.083	2.09	10.083	5.73	16.083	1.97	22.08	1.28
4.100	2.09	10.100	5.73	16.100	1.97	22.10	1.28
4.117	2.09	10.117	5.73	16.117	1.97	22.12	1.28
4.133	2.09	10.133	5.73	16.133	1.97	22.13	1.28
4.150	2.09	10.150	5.73	16.150	1.97	22.15	1.28
4.167	2.09	10.167	5.73	16.167	1.97	22.17	1.28
4.183	2.16	10.183	5.39	16.183	1.94	22.18	1.26
4.200	2.16	10.200	5.39	16.200	1.94	22.20	1.26
4.217	2.16	10.217	5.39	16.217	1.94	22.22	1.26
4.233	2.16	10.233	5.39	16.233	1.94	22.23	1.26
4.250	2.16	10.250	5.39	16.250	1.94	22.25	1.26
4.267	2.16	10.267	5.39	16.267	1.94	22.27	1.26
4.283	2.16	10.283	5.39	16.283	1.94	22.28	1.26
4.300	2.16	10.300	5.39	16.300	1.94	22.30	1.26
4.317	2.16	10.317	5.39	16.317	1.94	22.32	1.26
4.333	2.16	10.333	5.39	16.333	1.94	22.33	1.26
4.350	2.24	10.350	5.09	16.350	1.91	22.35	1.25
4.367	2.24	10.367	5.09	16.367	1.91	22.37	1.25
4.383	2.24	10.383	5.09	16.383	1.91	22.38	1.25
4.400	2.24	10.400	5.09	16.400	1.91	22.40	1.25
4.417	2.24	10.417	5.09	16.417	1.91	22.42	1.25
4.433	2.24	10.433	5.09	16.433	1.91	22.43	1.25
4.450	2.24	10.450	5.09	16.450	1.91	22.45	1.25
4.467	2.24	10.467	5.09	16.467	1.91	22.47	1.25
4.483	2.24	10.483	5.09	16.483	1.91	22.48	1.25
4.500	2.24	10.500	5.09	16.500	1.91	22.50	1.25
4.517	2.33	10.517	4.83	16.517	1.88	22.52	1.24
4.533	2.33	10.533	4.83	16.533	1.88	22.53	1.24
4.550	2.33	10.550	4.83	16.550	1.88	22.55	1.24
4.567	2.33	10.567	4.83	16.567	1.88	22.57	1.24
4.583	2.33	10.583	4.83	16.583	1.88	22.58	1.24
4.600	2.33	10.600	4.83	16.600	1.88	22.60	1.24
4.617	2.33	10.617	4.83	16.617	1.88	22.62	1.24
4.633	2.33	10.633	4.83	16.633	1.88	22.63	1.24
4.650	2.33	10.650	4.83	16.650	1.88	22.65	1.24
4.667	2.33	10.667	4.83	16.667	1.88	22.67	1.24
4.683	2.43	10.683	4.60	16.683	1.85	22.68	1.23
4.700	2.43	10.700	4.60	16.700	1.85	22.70	1.23
4.717	2.43	10.717	4.60	16.717	1.85	22.72	1.23
4.733	2.43	10.733	4.60	16.733	1.85	22.73	1.23
4.750	2.43	10.750	4.60	16.750	1.85	22.75	1.23
4.767	2.43	10.767	4.60	16.767	1.85	22.77	1.23
4.783	2.43	10.783	4.60	16.783	1.85	22.78	1.23
4.800	2.43	10.800	4.60	16.800	1.85	22.80	1.23
4.817	2.43	10.817	4.60	16.817	1.85	22.82	1.23
4.833	2.43	10.833	4.60	16.833	1.85	22.83	1.23
4.850	2.54	10.850	4.39	16.850	1.82	22.85	1.22
4.867	2.54	10.867	4.39	16.867	1.82	22.87	1.22
4.883	2.54	10.883	4.39	16.883	1.82	22.88	1.22
4.900	2.54	10.900	4.39	16.900	1.82	22.90	1.22
4.917	2.54	10.917	4.39	16.917	1.82	22.92	1.22
4.933	2.54	10.933	4.39	16.933	1.82	22.93	1.22
4.950	2.54	10.950	4.39	16.950	1.82	22.95	1.22
4.967	2.54	10.967	4.39	16.967	1.82	22.97	1.22
4.983	2.54	10.983	4.39	16.983	1.82	22.98	1.22
5.000	2.54	11.000	4.39	17.000	1.82	23.00	1.22
5.017	2.66	11.017	4.20	17.017	1.80	23.02	1.21
5.033	2.66	11.033	4.20	17.033	1.80	23.03	1.21
5.050	2.66	11.050	4.20	17.050	1.80	23.05	1.21
5.067	2.66	11.067	4.20	17.067	1.80	23.07	1.21
5.083	2.66	11.083	4.20	17.083	1.80	23.08	1.21
5.100	2.66	11.100	4.20	17.100	1.80	23.10	1.21
5.117	2.66	11.117	4.20	17.117	1.80	23.12	1.21
5.133	2.66	11.133	4.20	17.133	1.80	23.13	1.21
5.150	2.66	11.150	4.20	17.150	1.80	23.15	1.21
5.167	2.66	11.167	4.20	17.167	1.80	23.17	1.21
5.183	2.79	11.183	4.03	17.183	1.77	23.18	1.20
5.200	2.79	11.200	4.03	17.200	1.77	23.20	1.20
5.217	2.79	11.217	4.03	17.217	1.77	23.22	1.20
5.233	2.79	11.233	4.03	17.233	1.77	23.23	1.20
5.250	2.79	11.250	4.03	17.250	1.77	23.25	1.20
5.267	2.79	11.267	4.03	17.267	1.77	23.27	1.20
5.283	2.79	11.283	4.03	17.283	1.77	23.28	1.20
5.300	2.79	11.300	4.03	17.300	1.77	23.30	1.20
5.317	2.79	11.317	4.03	17.317	1.77	23.32	1.20
5.333	2.79	11.333	4.03	17.333	1.77	23.33	1.20
5.350	2.94	11.350	3.87	17.350	1.75	23.35	1.19
5.367	2.94	11.367	3.87	17.367	1.75	23.37	1.19
5.383	2.94	11.383	3.87	17.383	1.75	23.38	1.19
5.400	2.94	11.400	3.87	17.400	1.75	23.40	1.19
5.417	2.94	11.417	3.87	17.417	1.75	23.42	1.19
5.433	2.94	11.433	3.87	17.433	1.75	23.43	1.19
5.450	2.94	11.450	3.87	17.450	1.75	23.45	1.19
5.467	2.94	11.467	3.87	17.467	1.75	23.47	1.19
5.483	2.94	11.483	3.87	17.483	1.75	23.48	1.19
5.500	2.94	11.500	3.87	17.500	1.75	23.50	1.19
5.517	3.11	11.517	3.73	17.517	1.72	23.52	1.18
5.533	3.11	11.533	3.73	17.533	1.72	23.53	1.18
5.550	3.11	11.550	3.73	17.550	1.72	23.55	1.18
5.567	3.11	11.567	3.73	17.567	1.72	23.57	1.18
5.583	3.11	11.583	3.73	17.583	1.72	23.58	1.18
5.600	3.11	11.600	3.73	17.600	1.72	23.60	1.18
5.617	3.11	11.617	3.73	17.617	1.72	23.62	1.18
5.633	3.11	11.633	3.73	17.633	1.72	23.63	1.18
5.650	3.11	11.650	3.73	17.650	1.72	23.65	1.18
5.667	3.11	11.667	3.73	17.667	1.72	23.67	1.18
5.683	3.31	11.683	3.60	17.683	1.70	23.68	1.17
5.700	3.31	11.700	3.60	17.700	1.70	23.70	1.17
5.717	3.31	11.717	3.60	17.717	1.70	23.72	1.17
5.733	3.31	11.733	3.60	17.733	1.70	23.73	1.17
5.750	3.31	11.750	3.60	17.750	1.70	23.75	1.17
5.767	3.31	11.767	3.60	17.767	1.70	23.77	1.17
5.783	3.31	11.783	3.60	17.783	1.70	23.78	1.17
5.800	3.31	11.800	3.60	17.800	1.70	23.80	1.17
5.817	3.31	11.817	3.60	17.817	1.70	23.82	1.17
5.833	3.31	11.833	3.60	17.833	1.70	23.83	1.17
5.850	3.53	11.850	3.48	17.850	1.68	23.85	1.16
5.867	3.53	11.867	3.48	17.867	1.68	23.87	1.16

5.883	3.53	11.883	3.48	17.883	1.68	23.88	1.16
5.900	3.53	11.900	3.48	17.900	1.68	23.90	1.16
5.917	3.53	11.917	3.48	17.917	1.68	23.92	1.16
5.933	3.53	11.933	3.48	17.933	1.68	23.93	1.16
5.950	3.53	11.950	3.48	17.950	1.68	23.95	1.16
5.967	3.53	11.967	3.48	17.967	1.68	23.97	1.16
5.983	3.53	11.983	3.48	17.983	1.68	23.98	1.16
6.000	3.53	12.000	3.48	18.000	1.68	24.00	1.16

Max.Eff.Inten.(mm/hr)=	174.10	124.59		
over (min)	5.00	4.00		
Storage Coeff. (min)=	2.40 (ii)	3.30 (ii)		
Unit Hyd. Tpeak (min)=	5.00	4.00		
Unit Hyd. peak (cms)=	0.34	0.32		
			TOTALS	
PEAK FLOW (cms)=	1.18	0.01	1.188 (iii)	
TIME TO PEAK (hrs)=	8.00	8.02	8.00	
RUNOFF VOLUME (mm)=	121.40	84.96	121.04	
TOTAL RAINFALL (mm)=	122.41	122.41	122.41	
RUNOFF COEFFICIENT =	0.99	0.69	0.99	

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

ADD HYD (0012)				
1 + 2 = 3	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
ID1= 1 (0010):	15.53	6.334	8.02	117.76
+ ID2= 2 (0013):	2.56	1.188	8.00	121.04
ID = 3 (0012):	18.09	7.504	8.02	118.23

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0011)	OVERFLOW IS OFF			
IN= 2---> OUT= 1				
DT= 1.0 min	OUTFLOW	STORAGE	OUTFLOW	STORAGE
	(cms)	(ha.m.)	(cms)	(ha.m.)
	0.0000	0.0000	2.8110	0.4813
	0.0590	0.3542	3.2550	0.5511
	1.5560	0.3695	4.0320	0.5885
	2.2770	0.4312	4.6420	0.6202

	AREA	QPEAK	TPEAK	R.V.
	(ha)	(cms)	(hrs)	(mm)
INFLOW : ID= 2 (0012)	18.090	7.504	8.02	118.23
OUTFLOW: ID= 1 (0011)	18.090	4.629	8.12	106.96

PEAK FLOW REDUCTION [Qout/Qin](%)= 61.69
TIME SHIFT OF PEAK FLOW (min)= 6.00
MAXIMUM STORAGE USED (ha.m.)= 0.6202

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================================================================================
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       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

  Output  filename:
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  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\1c1582
7f-23ea-4111-a027-3d89b26e205c\scenari


DATE: 01-27-2026                          TIME: 01:43:14

USER:


COMMENTS: _____________________________________________________________


  ************************************************
  ** SIMULATION : 1 - 25MM4HRC_10min Edited 201 **
  ************************************************

  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= 25.00 mm ]
    fname :
C:\Users\kong\AppData\Local\Temp\7ecefdc7-37f7-4b7e-b187-d3f313fb54da\cb44d379-39a
8-4907-8998-c426d2
    remark: 25MM4HRC_10min Edited 2012

*
 ** CALIB STANDHYD       0010  1  1.0   15.53    1.45  1.55  22.21 0.89   0.000
    [I%=90.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 25.00 mm ]
    fname :
C:\Users\kong\AppData\Local\Temp\7ecefdc7-37f7-4b7e-b187-d3f313fb54da\cb44d379-39a
8-4907-8998-c426d2
    remark: 25MM4HRC_10min Edited 2012

*
 ** CALIB STANDHYD       0013  1  1.0    2.56    0.31  1.52  23.82 0.95   0.000
    [I%=99.0:S%= 2.00]
*
    ADD [  0010+  0013]  0012  3  1.0   18.09    1.75  1.53  22.44  n/a   0.000
*
 ** Reservoir
    OUTFLOW:              0011  1  1.0   18.09    0.06  4.12  19.02  n/a   0.000
*
================================================================================
=========================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat
```

```
  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\0df9a5
f6-866f-41de-b2e6-c5a14d7b13e0\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\0df9a5
f6-866f-41de-b2e6-c5a14d7b13e0\scenari


DATE: 01-27-2026                          TIME: 01:43:13

USER:


COMMENTS: _____________________________________________________________


  ************************************************
  ** SIMULATION : 2 - 2-Year 24hr Chic - Milton **
  ************************************************

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

      START @  0.00 hrs
      --------------------
    CHIC STORM                10.0
    [ Ptot= 47.70 mm ]
*
 ** CALIB STANDHYD       0010  1  1.0   15.53    2.55  8.03  44.11 0.92   0.000
    [I%=90.0:S%= 2.00]
*
    CHIC STORM                10.0
    [ Ptot= 47.70 mm ]
*
 ** CALIB STANDHYD       0013  1  1.0    2.56    0.52  8.00  46.44 0.97   0.000
    [I%=99.0:S%= 2.00]
*
    ADD [  0010+  0013]  0012  3  1.0   18.09    3.05  8.03  44.44  n/a   0.000
*
 ** Reservoir
    OUTFLOW:              0011  1  1.0   18.09    1.55  8.20  36.26  n/a   0.000
*
================================================================================
=========================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\277dd6
8a-7ca5-4abc-b4a2-d83b13c0c469\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\277dd6
8a-7ca5-4abc-b4a2-d83b13c0c469\scenari


DATE: 01-27-2026                          TIME: 01:43:14

USER:


COMMENTS: _____________________________________________________________


  ************************************************
  ** SIMULATION : 3 - 5-Year 24hr Chic- Milton  **
  ************************************************

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

      START @  0.00 hrs
      --------------------
    CHIC STORM                10.0
    [ Ptot= 67.05 mm ]
*
 ** CALIB STANDHYD       0010  1  1.0   15.53    3.56  8.02  63.04 0.94   0.000
    [I%=90.0:S%= 2.00]
*
    CHIC STORM                10.0
    [ Ptot= 67.05 mm ]
*
```

```
 ** CALIB STANDHYD       0013  1  1.0    2.56    0.70  8.00  65.75 0.98   0.000
    [I%=99.0:S%= 2.00]
*
    ADD [  0010+  0013]  0012  3  1.0   18.09    4.25  8.02  63.43  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0011  1  1.0   18.09    2.28  8.15  53.96  n/a   0.000
*
================================================================================
========================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\ef4708
e3-322e-4088-93b8-6c58dd9f6e33\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\ef4708
e3-322e-4088-93b8-6c58dd9f6e33\scenari


DATE: 01-27-2026                          TIME: 01:43:14

USER:


COMMENTS: _____________________________________________________________


  ************************************************
  ** SIMULATION : 4 - 10-Year 24hr Chic - Milto **
```

```
07-8668-400e-a623-66d1b8577746\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\dabaa9
07-8668-400e-a623-66d1b8577746\scenari


DATE: 01-27-2026                          TIME: 01:43:14

USER:


COMMENTS: _____________________________________________________________


  ************************************************
  ** SIMULATION : 5 - 25-Year 24hr Chic - Milto **
  ************************************************

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

     START @  0.00 hrs
     --------------------
    CHIC STORM                10.0
    [ Ptot= 97.01 mm ]
*
 ** CALIB STANDHYD       0010  1  1.0   15.53    5.06  8.02  92.59 0.95   0.000
    [I%=90.0:S%= 2.00]
*
    CHIC STORM                10.0
    [ Ptot= 97.01 mm ]
*
 ** CALIB STANDHYD       0013  1  1.0    2.56    0.97  8.00  95.66 0.99   0.000
    [I%=99.0:S%= 2.00]
*
    ADD [  0010+  0013]  0012  3  1.0   18.09    6.01  8.02  93.03  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0011  1  1.0   18.09    3.25  8.13  82.22  n/a   0.000
*
 FINISH

================================================================================
========================

================================================================================
========================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
```

```
  ************************************************

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

     START @  0.00 hrs
     --------------------
    CHIC STORM                10.0
    [ Ptot= 80.06 mm ]
*
 ** CALIB STANDHYD       0010  1  1.0   15.53    4.21  8.02  75.85 0.95   0.000
    [I%=90.0:S%= 2.00]
*
    CHIC STORM                10.0
    [ Ptot= 80.06 mm ]
*
 ** CALIB STANDHYD       0013  1  1.0    2.56    0.82  8.00  78.73 0.98   0.000
    [I%=99.0:S%= 2.00]
*
    ADD [  0010+  0013]  0012  3  1.0   18.09    5.02  8.02  76.26  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0011  1  1.0   18.09    2.81  8.13  66.13  n/a   0.000
*
================================================================================
========================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\dabaa9
```

```
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\996e83
f8-b648-4675-94a9-f8a5826c9a8e\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\996e83
f8-b648-4675-94a9-f8a5826c9a8e\scenari


DATE: 01-27-2026                          TIME: 01:43:14

USER:


COMMENTS: _____________________________________________________________


  ************************************************
  ** SIMULATION : 6 - 50-Year 24hr Chic - Milto **
  ************************************************

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

     START @  0.00 hrs
     --------------------
    CHIC STORM                10.0
    [ Ptot=110.01 mm ]
*
 ** CALIB STANDHYD       0010  1  1.0   15.53    5.69  8.02 105.47 0.96   0.000
    [I%=90.0:S%= 2.00]
*
```

```
    CHIC STORM                10.0
    [ Ptot=110.01 mm ]
*
 ** CALIB STANDHYD       0013  1  1.0    2.56    1.07  8.00 108.65 0.99   0.000
    [I%=99.0:S%= 2.00]
*
    ADD [  0010+  0013]  0012  3  1.0   18.09    6.75  8.02 105.92  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0011  1  1.0   18.09    4.03  8.12  94.77  n/a   0.000
*
================================================================================
========================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\52e1c4
5c-38f7-4a61-965a-dc6a3659fbbd\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\52e1c4
5c-38f7-4a61-965a-dc6a3659fbbd\scenari


DATE: 01-27-2026                          TIME: 01:43:13

USER:


COMMENTS: _____________________________________________________________
```

```
  ************************************************
  ** SIMULATION : 7 - 100-year 24hr Chic - Milt **
  ************************************************

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


      START @  0.00 hrs
      --------------------
    CHIC STORM                10.0
    [ Ptot=122.41 mm ]
*
 ** CALIB STANDHYD       0010  1  1.0   15.53    6.33  8.02 117.76 0.96   0.000
    [I%=90.0:S%= 2.00]
*
    CHIC STORM                10.0
    [ Ptot=122.41 mm ]
*
 ** CALIB STANDHYD       0013  1  1.0    2.56    1.19  8.00 121.04 0.99   0.000
    [I%=99.0:S%= 2.00]
*
    ADD [  0010+  0013]  0012  3  1.0   18.09    7.50  8.02 118.23  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0011  1  1.0   18.09    4.63  8.12 106.96  n/a   0.000
*
```

```
================================================================================
=========================

       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M M M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  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\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\5d5c13
58-fe67-469d-bd30-25a5eb5cbd2a\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\5d5c13
58-fe67-469d-bd30-25a5eb5cbd2a\scenari


DATE: 01-27-2026                          TIME: 01:46:13

USER:


COMMENTS: _____________________________________________________


--------------------------------------------------------------------------------
-------------------------
  ************************************************
  ** SIMULATION : Hazel                         **
  ************************************************


--------------------
|    READ STORM    |    Filename: C:\Users\kong\AppD
|                  |              ata\Local\Temp\
|                  |              313c7de9-72da-46da-8f95-85b2d7552f32\008167ef
| Ptotal=212.00 mm |    Comments: HAZEL
--------------------
                TIME    RAIN |  TIME    RAIN |'  TIME    RAIN |  TIME    RAIN
                 hrs   mm/hr |   hrs   mm/hr |'   hrs   mm/hr |   hrs   mm/hr
               0.00    6.00 |  3.00   13.00 |  6.00   23.00 |  9.00   53.00
               1.00    4.00 |  4.00   17.00 |  7.00   13.00 | 10.00   38.00
               2.00    6.00 |  5.00   13.00 |  8.00   13.00 | 11.00   13.00

--------------------------------------------------------------------------------


--------------------
| CALIB            |
| STANDHYD (  0002)|   Area    (ha)=  15.53
|ID= 1 DT= 1.0 min |   Total Imp(%)=  90.00   Dir. Conn.(%)=  90.00
--------------------
                                IMPERVIOUS    PERVIOUS (i)
     Surface Area     (ha)=      13.98         1.55
     Dep. Storage     (mm)=       1.00         0.00
     Average Slope     (%)=       1.00         2.00
     Length            (m)=     321.77        40.00
     Mannings n            =      0.013        0.250

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


                          ---- TRANSFORMED HYETOGRAPH ----
                TIME    RAIN |  TIME    RAIN |'  TIME    RAIN |  TIME    RAIN
                 hrs   mm/hr |   hrs   mm/hr |'   hrs   mm/hr |   hrs   mm/hr
               0.017    6.00 | 3.017   13.00 | 6.017   23.00 |  9.02   53.00
               0.033    6.00 | 3.033   13.00 | 6.033   23.00 |  9.03   53.00
               0.050    6.00 | 3.050   13.00 | 6.050   23.00 |  9.05   53.00
               0.067    6.00 | 3.067   13.00 | 6.067   23.00 |  9.07   53.00
               0.083    6.00 | 3.083   13.00 | 6.083   23.00 |  9.08   53.00
               0.100    6.00 | 3.100   13.00 | 6.100   23.00 |  9.10   53.00
               0.117    6.00 | 3.117   13.00 | 6.117   23.00 |  9.12   53.00
               0.133    6.00 | 3.133   13.00 | 6.133   23.00 |  9.13   53.00
               0.150    6.00 | 3.150   13.00 | 6.150   23.00 |  9.15   53.00
               0.167    6.00 | 3.167   13.00 | 6.167   23.00 |  9.17   53.00
               0.183    6.00 | 3.183   13.00 | 6.183   23.00 |  9.18   53.00
               0.200    6.00 | 3.200   13.00 | 6.200   23.00 |  9.20   53.00
               0.217    6.00 | 3.217   13.00 | 6.217   23.00 |  9.22   53.00
               0.233    6.00 | 3.233   13.00 | 6.233   23.00 |  9.23   53.00
               0.250    6.00 | 3.250   13.00 | 6.250   23.00 |  9.25   53.00
               0.267    6.00 | 3.267   13.00 | 6.267   23.00 |  9.27   53.00
               0.283    6.00 | 3.283   13.00 | 6.283   23.00 |  9.28   53.00
               0.300    6.00 | 3.300   13.00 | 6.300   23.00 |  9.30   53.00
               0.317    6.00 | 3.317   13.00 | 6.317   23.00 |  9.32   53.00
               0.333    6.00 | 3.333   13.00 | 6.333   23.00 |  9.33   53.00
               0.350    6.00 | 3.350   13.00 | 6.350   23.00 |  9.35   53.00
               0.367    6.00 | 3.367   13.00 | 6.367   23.00 |  9.37   53.00
               0.383    6.00 | 3.383   13.00 | 6.383   23.00 |  9.38   53.00
               0.400    6.00 | 3.400   13.00 | 6.400   23.00 |  9.40   53.00
               0.417    6.00 | 3.417   13.00 | 6.417   23.00 |  9.42   53.00
               0.433    6.00 | 3.433   13.00 | 6.433   23.00 |  9.43   53.00
               0.450    6.00 | 3.450   13.00 | 6.450   23.00 |  9.45   53.00
               0.467    6.00 | 3.467   13.00 | 6.467   23.00 |  9.47   53.00
               0.483    6.00 | 3.483   13.00 | 6.483   23.00 |  9.48   53.00
               0.500    6.00 | 3.500   13.00 | 6.500   23.00 |  9.50   53.00
               0.517    6.00 | 3.517   13.00 | 6.517   23.00 |  9.52   53.00
               0.533    6.00 | 3.533   13.00 | 6.533   23.00 |  9.53   53.00
               0.550    6.00 | 3.550   13.00 | 6.550   23.00 |  9.55   53.00
               0.567    6.00 | 3.567   13.00 | 6.567   23.00 |  9.57   53.00
               0.583    6.00 | 3.583   13.00 | 6.583   23.00 |  9.58   53.00
               0.600    6.00 | 3.600   13.00 | 6.600   23.00 |  9.60   53.00
               0.617    6.00 | 3.617   13.00 | 6.617   23.00 |  9.62   53.00
               0.633    6.00 | 3.633   13.00 | 6.633   23.00 |  9.63   53.00
               0.650    6.00 | 3.650   13.00 | 6.650   23.00 |  9.65   53.00
               0.667    6.00 | 3.667   13.00 | 6.667   23.00 |  9.67   53.00
               0.683    6.00 | 3.683   13.00 | 6.683   23.00 |  9.68   53.00
               0.700    6.00 | 3.700   13.00 | 6.700   23.00 |  9.70   53.00
               0.717    6.00 | 3.717   13.00 | 6.717   23.00 |  9.72   53.00
               0.733    6.00 | 3.733   13.00 | 6.733   23.00 |  9.73   53.00
               0.750    6.00 | 3.750   13.00 | 6.750   23.00 |  9.75   53.00
               0.767    6.00 | 3.767   13.00 | 6.767   23.00 |  9.77   53.00
               0.783    6.00 | 3.783   13.00 | 6.783   23.00 |  9.78   53.00
               0.800    6.00 | 3.800   13.00 | 6.800   23.00 |  9.80   53.00
               0.817    6.00 | 3.817   13.00 | 6.817   23.00 |  9.82   53.00
               0.833    6.00 | 3.833   13.00 | 6.833   23.00 |  9.83   53.00
               0.850    6.00 | 3.850   13.00 | 6.850   23.00 |  9.85   53.00
               0.867    6.00 | 3.867   13.00 | 6.867   23.00 |  9.87   53.00
               0.883    6.00 | 3.883   13.00 | 6.883   23.00 |  9.88   53.00
               0.900    6.00 | 3.900   13.00 | 6.900   23.00 |  9.90   53.00
               0.917    6.00 | 3.917   13.00 | 6.917   23.00 |  9.92   53.00
               0.933    6.00 | 3.933   13.00 | 6.933   23.00 |  9.93   53.00
               0.950    6.00 | 3.950   13.00 | 6.950   23.00 |  9.95   53.00
               0.967    6.00 | 3.967   13.00 | 6.967   23.00 |  9.97   53.00
               0.983    6.00 | 3.983   13.00 | 6.983   23.00 |  9.98   53.00
               1.000    6.00 | 4.000   13.00 | 7.000   22.98 | 10.00   52.98
               1.017    4.00 | 4.017   17.00 | 7.017   13.00 | 10.02   38.00
               1.033    4.00 | 4.033   17.00 | 7.033   13.00 | 10.03   38.00
               1.050    4.00 | 4.050   17.00 | 7.050   13.00 | 10.05   38.00
               1.067    4.00 | 4.067   17.00 | 7.067   13.00 | 10.07   38.00
               1.083    4.00 | 4.083   17.00 | 7.083   13.00 | 10.08   38.00
               1.100    4.00 | 4.100   17.00 | 7.100   13.00 | 10.10   38.00
               1.117    4.00 | 4.117   17.00 | 7.117   13.00 | 10.12   38.00
               1.133    4.00 | 4.133   17.00 | 7.133   13.00 | 10.13   38.00
               1.150    4.00 | 4.150   17.00 | 7.150   13.00 | 10.15   38.00
               1.167    4.00 | 4.167   17.00 | 7.167   13.00 | 10.17   38.00
               1.183    4.00 | 4.183   17.00 | 7.183   13.00 | 10.18   38.00
               1.200    4.00 | 4.200   17.00 | 7.200   13.00 | 10.20   38.00
               1.217    4.00 | 4.217   17.00 | 7.217   13.00 | 10.22   38.00
               1.233    4.00 | 4.233   17.00 | 7.233   13.00 | 10.23   38.00
               1.250    4.00 | 4.250   17.00 | 7.250   13.00 | 10.25   38.00
               1.267    4.00 | 4.267   17.00 | 7.267   13.00 | 10.27   38.00
               1.283    4.00 | 4.283   17.00 | 7.283   13.00 | 10.28   38.00
               1.300    4.00 | 4.300   17.00 | 7.300   13.00 | 10.30   38.00
               1.317    4.00 | 4.317   17.00 | 7.317   13.00 | 10.32   38.00
               1.333    4.00 | 4.333   17.00 | 7.333   13.00 | 10.33   38.00
               1.350    4.00 | 4.350   17.00 | 7.350   13.00 | 10.35   38.00
               1.367    4.00 | 4.367   17.00 | 7.367   13.00 | 10.37   38.00
               1.383    4.00 | 4.383   17.00 | 7.383   13.00 | 10.38   38.00
               1.400    4.00 | 4.400   17.00 | 7.400   13.00 | 10.40   38.00
               1.417    4.00 | 4.417   17.00 | 7.417   13.00 | 10.42   38.00
               1.433    4.00 | 4.433   17.00 | 7.433   13.00 | 10.43   38.00
               1.450    4.00 | 4.450   17.00 | 7.450   13.00 | 10.45   38.00
               1.467    4.00 | 4.467   17.00 | 7.467   13.00 | 10.47   38.00
               1.483    4.00 | 4.483   17.00 | 7.483   13.00 | 10.48   38.00
               1.500    4.00 | 4.500   17.00 | 7.500   13.00 | 10.50   38.00
               1.517    4.00 | 4.517   17.00 | 7.517   13.00 | 10.52   38.00
               1.533    4.00 | 4.533   17.00 | 7.533   13.00 | 10.53   38.00
               1.550    4.00 | 4.550   17.00 | 7.550   13.00 | 10.55   38.00
               1.567    4.00 | 4.567   17.00 | 7.567   13.00 | 10.57   38.00
               1.583    4.00 | 4.583   17.00 | 7.583   13.00 | 10.58   38.00
               1.600    4.00 | 4.600   17.00 | 7.600   13.00 | 10.60   38.00
               1.617    4.00 | 4.617   17.00 | 7.617   13.00 | 10.62   38.00
               1.633    4.00 | 4.633   17.00 | 7.633   13.00 | 10.63   38.00
               1.650    4.00 | 4.650   17.00 | 7.650   13.00 | 10.65   38.00
               1.667    4.00 | 4.667   17.00 | 7.667   13.00 | 10.67   38.00
               1.683    4.00 | 4.683   17.00 | 7.683   13.00 | 10.68   38.00
               1.700    4.00 | 4.700   17.00 | 7.700   13.00 | 10.70   38.00
               1.717    4.00 | 4.717   17.00 | 7.717   13.00 | 10.72   38.00
               1.733    4.00 | 4.733   17.00 | 7.733   13.00 | 10.73   38.00
               1.750    4.00 | 4.750   17.00 | 7.750   13.00 | 10.75   38.00
               1.767    4.00 | 4.767   17.00 | 7.767   13.00 | 10.77   38.00
               1.783    4.00 | 4.783   17.00 | 7.783   13.00 | 10.78   38.00
               1.800    4.00 | 4.800   17.00 | 7.800   13.00 | 10.80   38.00
               1.817    4.00 | 4.817   17.00 | 7.817   13.00 | 10.82   38.00
               1.833    4.00 | 4.833   17.00 | 7.833   13.00 | 10.83   38.00
               1.850    4.00 | 4.850   17.00 | 7.850   13.00 | 10.85   38.00
               1.867    4.00 | 4.867   17.00 | 7.867   13.00 | 10.87   38.00
               1.883    4.00 | 4.883   17.00 | 7.883   13.00 | 10.88   38.00
               1.900    4.00 | 4.900   17.00 | 7.900   13.00 | 10.90   38.00
               1.917    4.00 | 4.917   17.00 | 7.917   13.00 | 10.92   38.00
               1.933    4.00 | 4.933   17.00 | 7.933   13.00 | 10.93   38.00
               1.950    4.00 | 4.950   17.00 | 7.950   13.00 | 10.95   38.00
               1.967    4.00 | 4.967   17.00 | 7.967   13.00 | 10.97   38.00
               1.983    4.00 | 4.983   17.00 | 7.983   13.00 | 10.98   38.00
               2.000    4.00 | 5.000   17.00 | 8.000   13.00 | 11.00   37.99
               2.017    6.00 | 5.017   13.00 | 8.017   13.00 | 11.02   13.00
```

2.033	6.00	5.033	13.00	8.033	13.00	11.03	13.00
2.050	6.00	5.050	13.00	8.050	13.00	11.05	13.00
2.067	6.00	5.067	13.00	8.067	13.00	11.07	13.00
2.083	6.00	5.083	13.00	8.083	13.00	11.08	13.00
2.100	6.00	5.100	13.00	8.100	13.00	11.10	13.00
2.117	6.00	5.117	13.00	8.117	13.00	11.12	13.00
2.133	6.00	5.133	13.00	8.133	13.00	11.13	13.00
2.150	6.00	5.150	13.00	8.150	13.00	11.15	13.00
2.167	6.00	5.167	13.00	8.167	13.00	11.17	13.00
2.183	6.00	5.183	13.00	8.183	13.00	11.18	13.00
2.200	6.00	5.200	13.00	8.200	13.00	11.20	13.00
2.217	6.00	5.217	13.00	8.217	13.00	11.22	13.00
2.233	6.00	5.233	13.00	8.233	13.00	11.23	13.00
2.250	6.00	5.250	13.00	8.250	13.00	11.25	13.00
2.267	6.00	5.267	13.00	8.267	13.00	11.27	13.00
2.283	6.00	5.283	13.00	8.283	13.00	11.28	13.00
2.300	6.00	5.300	13.00	8.300	13.00	11.30	13.00
2.317	6.00	5.317	13.00	8.317	13.00	11.32	13.00
2.333	6.00	5.333	13.00	8.333	13.00	11.33	13.00
2.350	6.00	5.350	13.00	8.350	13.00	11.35	13.00
2.367	6.00	5.367	13.00	8.367	13.00	11.37	13.00
2.383	6.00	5.383	13.00	8.383	13.00	11.38	13.00
2.400	6.00	5.400	13.00	8.400	13.00	11.40	13.00
2.417	6.00	5.417	13.00	8.417	13.00	11.42	13.00
2.433	6.00	5.433	13.00	8.433	13.00	11.43	13.00
2.450	6.00	5.450	13.00	8.450	13.00	11.45	13.00
2.467	6.00	5.467	13.00	8.467	13.00	11.47	13.00
2.483	6.00	5.483	13.00	8.483	13.00	11.48	13.00
2.500	6.00	5.500	13.00	8.500	13.00	11.50	13.00
2.517	6.00	5.517	13.00	8.517	13.00	11.52	13.00
2.533	6.00	5.533	13.00	8.533	13.00	11.53	13.00
2.550	6.00	5.550	13.00	8.550	13.00	11.55	13.00
2.567	6.00	5.567	13.00	8.567	13.00	11.57	13.00
2.583	6.00	5.583	13.00	8.583	13.00	11.58	13.00
2.600	6.00	5.600	13.00	8.600	13.00	11.60	13.00
2.617	6.00	5.617	13.00	8.617	13.00	11.62	13.00
2.633	6.00	5.633	13.00	8.633	13.00	11.63	13.00
2.650	6.00	5.650	13.00	8.650	13.00	11.65	13.00
2.667	6.00	5.667	13.00	8.667	13.00	11.67	13.00
2.683	6.00	5.683	13.00	8.683	13.00	11.68	13.00
2.700	6.00	5.700	13.00	8.700	13.00	11.70	13.00
2.717	6.00	5.717	13.00	8.717	13.00	11.72	13.00
2.733	6.00	5.733	13.00	8.733	13.00	11.73	13.00
2.750	6.00	5.750	13.00	8.750	13.00	11.75	13.00
2.767	6.00	5.767	13.00	8.767	13.00	11.77	13.00
2.783	6.00	5.783	13.00	8.783	13.00	11.78	13.00
2.800	6.00	5.800	13.00	8.800	13.00	11.80	13.00
2.817	6.00	5.817	13.00	8.817	13.00	11.82	13.00
2.833	6.00	5.833	13.00	8.833	13.00	11.83	13.00
2.850	6.00	5.850	13.00	8.850	13.00	11.85	13.00
2.867	6.00	5.867	13.00	8.867	13.00	11.87	13.00
2.883	6.00	5.883	13.00	8.883	13.00	11.88	13.00
2.900	6.00	5.900	13.00	8.900	13.00	11.90	13.00
2.917	6.00	5.917	13.00	8.917	13.00	11.92	13.00
2.933	6.00	5.933	13.00	8.933	13.00	11.93	13.00
2.950	6.00	5.950	13.00	8.950	13.00	11.95	13.00
2.967	6.00	5.967	13.00	8.967	13.00	11.97	13.00
2.983	6.00	5.983	13.00	8.983	13.00	11.98	13.00
3.000	6.00	6.000	13.01	9.000	13.08	12.00	13.00

Max.Eff.Inten.(mm/hr)=	53.00	52.53	
over (min)	7.00	11.00	
Storage Coeff. (min)=	6.64 (ii)	10.42 (ii)	
Unit Hyd. Tpeak (min)=	7.00	11.00	
Unit Hyd. peak (cms)=	0.17	0.11	
			TOTALS
PEAK FLOW (cms)=	2.06	0.23	2.283 (iii)
TIME TO PEAK (hrs)=	10.00	10.00	10.00
RUNOFF VOLUME (mm)=	210.99	196.92	209.59
TOTAL RAINFALL (mm)=	212.00	212.00	212.00
RUNOFF COEFFICIENT =	1.00	0.93	0.99

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 94.0 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.

CALIB	
STANDHYD (0007)	Area (ha)= 2.56
ID= 1 DT= 1.0 min	Total Imp(%)= 99.00 Dir. Conn.(%)= 99.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	2.53	0.03
Dep. Storage	(mm)=	1.00	0.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	130.64	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	6.00	3.017	13.00	6.017	23.00	9.02	53.00
0.033	6.00	3.033	13.00	6.033	23.00	9.03	53.00
0.050	6.00	3.050	13.00	6.050	23.00	9.05	53.00
0.067	6.00	3.067	13.00	6.067	23.00	9.07	53.00
0.083	6.00	3.083	13.00	6.083	23.00	9.08	53.00
0.100	6.00	3.100	13.00	6.100	23.00	9.10	53.00
0.117	6.00	3.117	13.00	6.117	23.00	9.12	53.00
0.133	6.00	3.133	13.00	6.133	23.00	9.13	53.00
0.150	6.00	3.150	13.00	6.150	23.00	9.15	53.00
0.167	6.00	3.167	13.00	6.167	23.00	9.17	53.00
0.183	6.00	3.183	13.00	6.183	23.00	9.18	53.00
0.200	6.00	3.200	13.00	6.200	23.00	9.20	53.00
0.217	6.00	3.217	13.00	6.217	23.00	9.22	53.00
0.233	6.00	3.233	13.00	6.233	23.00	9.23	53.00
0.250	6.00	3.250	13.00	6.250	23.00	9.25	53.00
0.267	6.00	3.267	13.00	6.267	23.00	9.27	53.00
0.283	6.00	3.283	13.00	6.283	23.00	9.28	53.00
0.300	6.00	3.300	13.00	6.300	23.00	9.30	53.00
0.317	6.00	3.317	13.00	6.317	23.00	9.32	53.00
0.333	6.00	3.333	13.00	6.333	23.00	9.33	53.00
0.350	6.00	3.350	13.00	6.350	23.00	9.35	53.00
0.367	6.00	3.367	13.00	6.367	23.00	9.37	53.00
0.383	6.00	3.383	13.00	6.383	23.00	9.38	53.00
0.400	6.00	3.400	13.00	6.400	23.00	9.40	53.00
0.417	6.00	3.417	13.00	6.417	23.00	9.42	53.00
0.433	6.00	3.433	13.00	6.433	23.00	9.43	53.00
0.450	6.00	3.450	13.00	6.450	23.00	9.45	53.00
0.467	6.00	3.467	13.00	6.467	23.00	9.47	53.00
0.483	6.00	3.483	13.00	6.483	23.00	9.48	53.00
0.500	6.00	3.500	13.00	6.500	23.00	9.50	53.00
0.517	6.00	3.517	13.00	6.517	23.00	9.52	53.00
0.533	6.00	3.533	13.00	6.533	23.00	9.53	53.00
0.550	6.00	3.550	13.00	6.550	23.00	9.55	53.00
0.567	6.00	3.567	13.00	6.567	23.00	9.57	53.00
0.583	6.00	3.583	13.00	6.583	23.00	9.58	53.00
0.600	6.00	3.600	13.00	6.600	23.00	9.60	53.00
0.617	6.00	3.617	13.00	6.617	23.00	9.62	53.00
0.633	6.00	3.633	13.00	6.633	23.00	9.63	53.00
0.650	6.00	3.650	13.00	6.650	23.00	9.65	53.00
0.667	6.00	3.667	13.00	6.667	23.00	9.67	53.00
0.683	6.00	3.683	13.00	6.683	23.00	9.68	53.00
0.700	6.00	3.700	13.00	6.700	23.00	9.70	53.00
0.717	6.00	3.717	13.00	6.717	23.00	9.72	53.00
0.733	6.00	3.733	13.00	6.733	23.00	9.73	53.00
0.750	6.00	3.750	13.00	6.750	23.00	9.75	53.00
0.767	6.00	3.767	13.00	6.767	23.00	9.77	53.00
0.783	6.00	3.783	13.00	6.783	23.00	9.78	53.00
0.800	6.00	3.800	13.00	6.800	23.00	9.80	53.00
0.817	6.00	3.817	13.00	6.817	23.00	9.82	53.00
0.833	6.00	3.833	13.00	6.833	23.00	9.83	53.00
0.850	6.00	3.850	13.00	6.850	23.00	9.85	53.00
0.867	6.00	3.867	13.00	6.867	23.00	9.87	53.00
0.883	6.00	3.883	13.00	6.883	23.00	9.88	53.00
0.900	6.00	3.900	13.00	6.900	23.00	9.90	53.00
0.917	6.00	3.917	13.00	6.917	23.00	9.92	53.00
0.933	6.00	3.933	13.00	6.933	23.00	9.93	53.00
0.950	6.00	3.950	13.00	6.950	23.00	9.95	53.00
0.967	6.00	3.967	13.00	6.967	23.00	9.97	53.00
0.983	6.00	3.983	13.00	6.983	23.00	9.98	53.00
1.000	6.00	4.000	13.00	7.000	22.98	10.00	52.98
1.017	4.00	4.017	17.00	7.017	13.00	10.02	38.00
1.033	4.00	4.033	17.00	7.033	13.00	10.03	38.00
1.050	4.00	4.050	17.00	7.050	13.00	10.05	38.00
1.067	4.00	4.067	17.00	7.067	13.00	10.07	38.00
1.083	4.00	4.083	17.00	7.083	13.00	10.08	38.00
1.100	4.00	4.100	17.00	7.100	13.00	10.10	38.00
1.117	4.00	4.117	17.00	7.117	13.00	10.12	38.00
1.133	4.00	4.133	17.00	7.133	13.00	10.13	38.00
1.150	4.00	4.150	17.00	7.150	13.00	10.15	38.00
1.167	4.00	4.167	17.00	7.167	13.00	10.17	38.00
1.183	4.00	4.183	17.00	7.183	13.00	10.18	38.00
1.200	4.00	4.200	17.00	7.200	13.00	10.20	38.00
1.217	4.00	4.217	17.00	7.217	13.00	10.22	38.00
1.233	4.00	4.233	17.00	7.233	13.00	10.23	38.00
1.250	4.00	4.250	17.00	7.250	13.00	10.25	38.00
1.267	4.00	4.267	17.00	7.267	13.00	10.27	38.00
1.283	4.00	4.283	17.00	7.283	13.00	10.28	38.00
1.300	4.00	4.300	17.00	7.300	13.00	10.30	38.00
1.317	4.00	4.317	17.00	7.317	13.00	10.32	38.00
1.333	4.00	4.333	17.00	7.333	13.00	10.33	38.00
1.350	4.00	4.350	17.00	7.350	13.00	10.35	38.00
1.367	4.00	4.367	17.00	7.367	13.00	10.37	38.00
1.383	4.00	4.383	17.00	7.383	13.00	10.38	38.00
1.400	4.00	4.400	17.00	7.400	13.00	10.40	38.00
1.417	4.00	4.417	17.00	7.417	13.00	10.42	38.00
1.433	4.00	4.433	17.00	7.433	13.00	10.43	38.00
1.450	4.00	4.450	17.00	7.450	13.00	10.45	38.00
1.467	4.00	4.467	17.00	7.467	13.00	10.47	38.00
1.483	4.00	4.483	17.00	7.483	13.00	10.48	38.00
1.500	4.00	4.500	17.00	7.500	13.00	10.50	38.00
1.517	4.00	4.517	17.00	7.517	13.00	10.52	38.00
1.533	4.00	4.533	17.00	7.533	13.00	10.53	38.00
1.550	4.00	4.550	17.00	7.550	13.00	10.55	38.00
1.567	4.00	4.567	17.00	7.567	13.00	10.57	38.00
1.583	4.00	4.583	17.00	7.583	13.00	10.58	38.00
1.600	4.00	4.600	17.00	7.600	13.00	10.60	38.00
1.617	4.00	4.617	17.00	7.617	13.00	10.62	38.00
1.633	4.00	4.633	17.00	7.633	13.00	10.63	38.00
1.650	4.00	4.650	17.00	7.650	13.00	10.65	38.00
1.667	4.00	4.667	17.00	7.667	13.00	10.67	38.00
1.683	4.00	4.683	17.00	7.683	13.00	10.68	38.00
1.700	4.00	4.700	17.00	7.700	13.00	10.70	38.00

1.717	4.00	4.717	17.00	7.717	13.00	10.72	38.00
1.733	4.00	4.733	17.00	7.733	13.00	10.73	38.00
1.750	4.00	4.750	17.00	7.750	13.00	10.75	38.00
1.767	4.00	4.767	17.00	7.767	13.00	10.77	38.00
1.783	4.00	4.783	17.00	7.783	13.00	10.78	38.00
1.800	4.00	4.800	17.00	7.800	13.00	10.80	38.00
1.817	4.00	4.817	17.00	7.817	13.00	10.82	38.00
1.833	4.00	4.833	17.00	7.833	13.00	10.83	38.00
1.850	4.00	4.850	17.00	7.850	13.00	10.85	38.00
1.867	4.00	4.867	17.00	7.867	13.00	10.87	38.00
1.883	4.00	4.883	17.00	7.883	13.00	10.88	38.00
1.900	4.00	4.900	17.00	7.900	13.00	10.90	38.00
1.917	4.00	4.917	17.00	7.917	13.00	10.92	38.00
1.933	4.00	4.933	17.00	7.933	13.00	10.93	38.00
1.950	4.00	4.950	17.00	7.950	13.00	10.95	38.00
1.967	4.00	4.967	17.00	7.967	13.00	10.97	38.00
1.983	4.00	4.983	17.00	7.983	13.00	10.98	38.00
2.000	4.00	5.000	17.00	8.000	13.00	11.00	37.99
2.017	6.00	5.017	13.00	8.017	13.00	11.02	13.00
2.033	6.00	5.033	13.00	8.033	13.00	11.03	13.00
2.050	6.00	5.050	13.00	8.050	13.00	11.05	13.00
2.067	6.00	5.067	13.00	8.067	13.00	11.07	13.00
2.083	6.00	5.083	13.00	8.083	13.00	11.08	13.00
2.100	6.00	5.100	13.00	8.100	13.00	11.10	13.00
2.117	6.00	5.117	13.00	8.117	13.00	11.12	13.00
2.133	6.00	5.133	13.00	8.133	13.00	11.13	13.00
2.150	6.00	5.150	13.00	8.150	13.00	11.15	13.00
2.167	6.00	5.167	13.00	8.167	13.00	11.17	13.00
2.183	6.00	5.183	13.00	8.183	13.00	11.18	13.00
2.200	6.00	5.200	13.00	8.200	13.00	11.20	13.00
2.217	6.00	5.217	13.00	8.217	13.00	11.22	13.00
2.233	6.00	5.233	13.00	8.233	13.00	11.23	13.00
2.250	6.00	5.250	13.00	8.250	13.00	11.25	13.00
2.267	6.00	5.267	13.00	8.267	13.00	11.27	13.00
2.283	6.00	5.283	13.00	8.283	13.00	11.28	13.00
2.300	6.00	5.300	13.00	8.300	13.00	11.30	13.00
2.317	6.00	5.317	13.00	8.317	13.00	11.32	13.00
2.333	6.00	5.333	13.00	8.333	13.00	11.33	13.00
2.350	6.00	5.350	13.00	8.350	13.00	11.35	13.00
2.367	6.00	5.367	13.00	8.367	13.00	11.37	13.00
2.383	6.00	5.383	13.00	8.383	13.00	11.38	13.00
2.400	6.00	5.400	13.00	8.400	13.00	11.40	13.00
2.417	6.00	5.417	13.00	8.417	13.00	11.42	13.00
2.433	6.00	5.433	13.00	8.433	13.00	11.43	13.00
2.450	6.00	5.450	13.00	8.450	13.00	11.45	13.00
2.467	6.00	5.467	13.00	8.467	13.00	11.47	13.00
2.483	6.00	5.483	13.00	8.483	13.00	11.48	13.00
2.500	6.00	5.500	13.00	8.500	13.00	11.50	13.00
2.517	6.00	5.517	13.00	8.517	13.00	11.52	13.00
2.533	6.00	5.533	13.00	8.533	13.00	11.53	13.00
2.550	6.00	5.550	13.00	8.550	13.00	11.55	13.00
2.567	6.00	5.567	13.00	8.567	13.00	11.57	13.00
2.583	6.00	5.583	13.00	8.583	13.00	11.58	13.00
2.600	6.00	5.600	13.00	8.600	13.00	11.60	13.00
2.617	6.00	5.617	13.00	8.617	13.00	11.62	13.00
2.633	6.00	5.633	13.00	8.633	13.00	11.63	13.00
2.650	6.00	5.650	13.00	8.650	13.00	11.65	13.00
2.667	6.00	5.667	13.00	8.667	13.00	11.67	13.00
2.683	6.00	5.683	13.00	8.683	13.00	11.68	13.00
2.700	6.00	5.700	13.00	8.700	13.00	11.70	13.00
2.717	6.00	5.717	13.00	8.717	13.00	11.72	13.00
2.733	6.00	5.733	13.00	8.733	13.00	11.73	13.00
2.750	6.00	5.750	13.00	8.750	13.00	11.75	13.00
2.767	6.00	5.767	13.00	8.767	13.00	11.77	13.00
2.783	6.00	5.783	13.00	8.783	13.00	11.78	13.00
2.800	6.00	5.800	13.00	8.800	13.00	11.80	13.00
2.817	6.00	5.817	13.00	8.817	13.00	11.82	13.00
2.833	6.00	5.833	13.00	8.833	13.00	11.83	13.00
2.850	6.00	5.850	13.00	8.850	13.00	11.85	13.00
2.867	6.00	5.867	13.00	8.867	13.00	11.87	13.00
2.883	6.00	5.883	13.00	8.883	13.00	11.88	13.00
2.900	6.00	5.900	13.00	8.900	13.00	11.90	13.00
2.917	6.00	5.917	13.00	8.917	13.00	11.92	13.00
2.933	6.00	5.933	13.00	8.933	13.00	11.93	13.00
2.950	6.00	5.950	13.00	8.950	13.00	11.95	13.00
2.967	6.00	5.967	13.00	8.967	13.00	11.97	13.00
2.983	6.00	5.983	13.00	8.983	13.00	11.98	13.00
3.000	6.00	6.000	13.01	9.000	13.08	12.00	13.00

Max.Eff.Inten.(mm/hr)=	53.00	52.53	
over (min)	5.00	6.00	
Storage Coeff. (min)=	3.87 (ii)	5.31 (ii)	
Unit Hyd. Tpeak (min)=	5.00	6.00	
Unit Hyd. peak (cms)=	0.27	0.20	
			TOTALS
PEAK FLOW (cms)=	0.37	0.00	0.377 (iii)
TIME TO PEAK (hrs)=	9.98	10.00	9.98
RUNOFF VOLUME (mm)=	210.99	196.94	210.86
TOTAL RAINFALL (mm)=	212.00	212.00	212.00
RUNOFF COEFFICIENT =	1.00	0.93	0.99

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 94.0 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.

ADD HYD (0012)	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
1 + 2 = 3				
ID1= 1 (0002):	15.53	2.283	10.00	209.59
+ ID2= 2 (0007):	2.56	0.377	9.98	210.86
ID = 3 (0012):	18.09	2.660	10.00	209.77

NOTE: PEAK FLOWS DO NOT INCLUDE BASEFLOWS IF ANY.

RESERVOIR(0011) | OVERFLOW IS OFF
IN= 2---> OUT= 1
DT= 1.0 min

OUTFLOW (cms)	STORAGE (ha.m.)	OUTFLOW (cms)	STORAGE (ha.m.)
0.0000	0.0000	2.8110	0.4813
0.0590	0.3542	3.2550	0.5511
1.5560	0.3695	4.0320	0.5885
2.2770	0.4312	4.6420	0.6202

	AREA (ha)	QPEAK (cms)	TPEAK (hrs)	R.V. (mm)
INFLOW : ID= 2 (0012)	18.090	2.660	10.00	209.77
OUTFLOW: ID= 1 (0011)	18.090	2.602	10.05	204.17

PEAK FLOW REDUCTION [Qout/Qin](%)= 97.81
TIME SHIFT OF PEAK FLOW (min)= 3.00
MAXIMUM STORAGE USED (ha.m.)= 0.4617

FINISH

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================================================================================
=========================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\5d5c13
58-fe67-469d-bd30-25a5eb5cbd2a\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\5d5c13
58-fe67-469d-bd30-25a5eb5cbd2a\scenari


DATE: 01-27-2026                          TIME: 01:46:13

USER:


COMMENTS: _____________________________________________________________


  ************************************************
  ** SIMULATION : Hazel                         **
  ************************************************

  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                60.0
    [ Ptot=212.00 mm ]
    fname :
C:\Users\kong\AppData\Local\Temp\313c7de9-72da-46da-8f95-85b2d7552f32\008167ef-3d9
7-4248-b2f7-35530a
    remark: HAZEL

*
 ** CALIB STANDHYD       0002  1  1.0   15.53    2.28 10.00 209.59 0.99   0.000
    [I%=90.0:S%= 2.00]
*
    READ STORM                60.0
    [ Ptot=212.00 mm ]
    fname :
C:\Users\kong\AppData\Local\Temp\313c7de9-72da-46da-8f95-85b2d7552f32\008167ef-3d9
7-4248-b2f7-35530a
    remark: HAZEL

*
 ** CALIB STANDHYD       0007  1  1.0    2.56    0.38  9.98 210.86 0.99   0.000
    [I%=99.0:S%= 2.00]
*
    ADD [  0002+  0007]  0012  3  1.0   18.09    2.66 10.00 209.77  n/a   0.000
*
 ** Reservoir
    OUTFLOW:             0011  1  1.0   18.09    2.60 10.05 204.17  n/a   0.000
*
 FINISH

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================================================================================
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       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  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\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\14b5fc
3d-f290-4ac8-84a1-89c5acb7f969\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\14b5fc
3d-f290-4ac8-84a1-89c5acb7f969\scenari


DATE: 01-27-2026                          TIME: 02:07:38

USER:


COMMENTS: _____


--------------------------------------------------------------------------------
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  ************************************************
  ** SIMULATION : 1 - 25MM4HRC_10min Edited 201 **
  ************************************************


--------------------
|    READ STORM    |    Filename: C:\Users\kong\AppD
|                  |              ata\Local\Temp\
|                  |              4b24bae0-43e7-4523-b2f3-4ca6a98d7aa8\cb44d379
| Ptotal= 25.00 mm |   Comments: 25MM4HRC_10min Edited 2012
--------------------
```

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	2.07	1.00	5.70	2.00	5.19	3.00	2.80
0.17	2.27	1.17	10.78	2.17	4.47	3.17	2.62
0.33	2.52	1.33	50.21	2.33	3.95	3.33	2.48
0.50	2.88	1.50	13.37	2.50	3.56	3.50	2.35
0.67	3.38	1.67	8.29	2.67	3.25	3.67	2.23
0.83	4.18	1.83	6.30	2.83	3.01	3.83	2.14

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--------------------
| CALIB            |
| STANDHYD (  0001)|   Area    (ha)=  15.57
|ID= 1 DT= 1.0 min |   Total Imp(%)=  49.00   Dir. Conn.(%)=  49.00
--------------------
                              IMPERVIOUS    PERVIOUS (i)
     Surface Area     (ha)=       7.63         7.94
     Dep. Storage     (mm)=       1.00         5.00
     Average Slope     (%)=       1.00         2.00
     Length            (m)=     322.18        40.00
     Mannings n            =      0.013        0.250

         NOTE:  RAINFALL WAS TRANSFORMED TO   1.0 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
0.017	2.07	1.017	5.70	2.017	5.19	3.02	2.80
0.033	2.07	1.033	5.70	2.033	5.19	3.03	2.80
0.050	2.07	1.050	5.70	2.050	5.19	3.05	2.80
0.067	2.07	1.067	5.70	2.067	5.19	3.07	2.80
0.083	2.07	1.083	5.70	2.083	5.19	3.08	2.80
0.100	2.07	1.100	5.70	2.100	5.19	3.10	2.80
0.117	2.07	1.117	5.70	2.117	5.19	3.12	2.80
0.133	2.07	1.133	5.70	2.133	5.19	3.13	2.80
0.150	2.07	1.150	5.70	2.150	5.19	3.15	2.80
0.167	2.07	1.167	5.70	2.167	5.19	3.17	2.80
0.183	2.27	1.183	10.78	2.183	4.47	3.18	2.62
0.200	2.27	1.200	10.78	2.200	4.47	3.20	2.62
0.217	2.27	1.217	10.78	2.217	4.47	3.22	2.62
0.233	2.27	1.233	10.78	2.233	4.47	3.23	2.62
0.250	2.27	1.250	10.78	2.250	4.47	3.25	2.62
0.267	2.27	1.267	10.78	2.267	4.47	3.27	2.62
0.283	2.27	1.283	10.78	2.283	4.47	3.28	2.62
0.300	2.27	1.300	10.78	2.300	4.47	3.30	2.62
0.317	2.27	1.317	10.78	2.317	4.47	3.32	2.62
0.333	2.27	1.333	10.78	2.333	4.47	3.33	2.62
0.350	2.52	1.350	50.21	2.350	3.95	3.35	2.48
0.367	2.52	1.367	50.21	2.367	3.95	3.37	2.48
0.383	2.52	1.383	50.21	2.383	3.95	3.38	2.48
0.400	2.52	1.400	50.21	2.400	3.95	3.40	2.48
0.417	2.52	1.417	50.21	2.417	3.95	3.42	2.48
0.433	2.52	1.433	50.21	2.433	3.95	3.43	2.48
0.450	2.52	1.450	50.21	2.450	3.95	3.45	2.48
0.467	2.52	1.467	50.21	2.467	3.95	3.47	2.48
0.483	2.52	1.483	50.21	2.483	3.95	3.48	2.48
0.500	2.52	1.500	50.21	2.500	3.95	3.50	2.48
0.517	2.88	1.517	13.37	2.517	3.56	3.52	2.35
0.533	2.88	1.533	13.37	2.533	3.56	3.53	2.35
0.550	2.88	1.550	13.37	2.550	3.56	3.55	2.35
0.567	2.88	1.567	13.37	2.567	3.56	3.57	2.35
0.583	2.88	1.583	13.37	2.583	3.56	3.58	2.35
0.600	2.88	1.600	13.37	2.600	3.56	3.60	2.35
0.617	2.88	1.617	13.37	2.617	3.56	3.62	2.35
0.633	2.88	1.633	13.37	2.633	3.56	3.63	2.35
0.650	2.88	1.650	13.37	2.650	3.56	3.65	2.35
0.667	2.88	1.667	13.37	2.667	3.56	3.67	2.35
0.683	3.38	1.683	8.29	2.683	3.25	3.68	2.23
0.700	3.38	1.700	8.29	2.700	3.25	3.70	2.23
0.717	3.38	1.717	8.29	2.717	3.25	3.72	2.23
0.733	3.38	1.733	8.29	2.733	3.25	3.73	2.23
0.750	3.38	1.750	8.29	2.750	3.25	3.75	2.23
0.767	3.38	1.767	8.29	2.767	3.25	3.77	2.23
0.783	3.38	1.783	8.29	2.783	3.25	3.78	2.23
0.800	3.38	1.800	8.29	2.800	3.25	3.80	2.23
0.817	3.38	1.817	8.29	2.817	3.25	3.82	2.23
0.833	3.38	1.833	8.29	2.833	3.25	3.83	2.23
0.850	4.17	1.850	6.30	2.850	3.01	3.85	2.14
0.867	4.18	1.867	6.30	2.867	3.01	3.87	2.14
0.883	4.18	1.883	6.30	2.883	3.01	3.88	2.14
0.900	4.18	1.900	6.30	2.900	3.01	3.90	2.14
0.917	4.18	1.917	6.30	2.917	3.01	3.92	2.14
0.933	4.18	1.933	6.30	2.933	3.01	3.93	2.14
0.950	4.18	1.950	6.30	2.950	3.01	3.95	2.14
0.967	4.18	1.967	6.30	2.967	3.01	3.97	2.14
0.983	4.18	1.983	6.30	2.983	3.01	3.98	2.14
1.000	4.18	2.000	6.30	3.000	3.01	4.00	2.14

```
     Max.Eff.Inten.(mm/hr)=      50.21         6.58
               over (min)         7.00        28.00
     Storage Coeff.  (min)=       6.79 (ii)   27.75 (ii)
     Unit Hyd. Tpeak (min)=       7.00        28.00
     Unit Hyd. peak  (cms)=       0.16         0.04
                                                    *TOTALS*
     PEAK FLOW       (cms)=       0.78         0.07          0.794 (iii)
     TIME TO PEAK    (hrs)=       1.55         2.03           1.55
     RUNOFF VOLUME    (mm)=      24.00         6.17          14.90
     TOTAL RAINFALL   (mm)=      25.00        25.00          25.00
     RUNOFF COEFFICIENT   =       0.96         0.25           0.60


       (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
            CN*  =  85.0    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.

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--------------------
| CALIB            |
| STANDHYD (  0002)|   Area    (ha)=  15.57
|ID= 1 DT= 1.0 min |   Total Imp(%)=  49.00   Dir. Conn.(%)=  49.00
--------------------
                              IMPERVIOUS    PERVIOUS (i)
     Surface Area     (ha)=       7.63         7.94
     Dep. Storage     (mm)=       1.00         0.00
     Average Slope     (%)=       1.00         2.00
     Length            (m)=     322.18        40.00
     Mannings n            =      0.013        0.250

         NOTE:  RAINFALL WAS TRANSFORMED TO   1.0 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
0.017	2.07	1.017	5.70	2.017	5.19	3.02	2.80
0.033	2.07	1.033	5.70	2.033	5.19	3.03	2.80
0.050	2.07	1.050	5.70	2.050	5.19	3.05	2.80
0.067	2.07	1.067	5.70	2.067	5.19	3.07	2.80
0.083	2.07	1.083	5.70	2.083	5.19	3.08	2.80
0.100	2.07	1.100	5.70	2.100	5.19	3.10	2.80
0.117	2.07	1.117	5.70	2.117	5.19	3.12	2.80
0.133	2.07	1.133	5.70	2.133	5.19	3.13	2.80
0.150	2.07	1.150	5.70	2.150	5.19	3.15	2.80
0.167	2.07	1.167	5.70	2.167	5.19	3.17	2.80
0.183	2.27	1.183	10.78	2.183	4.47	3.18	2.62
0.200	2.27	1.200	10.78	2.200	4.47	3.20	2.62
0.217	2.27	1.217	10.78	2.217	4.47	3.22	2.62
0.233	2.27	1.233	10.78	2.233	4.47	3.23	2.62
0.250	2.27	1.250	10.78	2.250	4.47	3.25	2.62
0.267	2.27	1.267	10.78	2.267	4.47	3.27	2.62
0.283	2.27	1.283	10.78	2.283	4.47	3.28	2.62
0.300	2.27	1.300	10.78	2.300	4.47	3.30	2.62
0.317	2.27	1.317	10.78	2.317	4.47	3.32	2.62

0.333	2.27	1.333	10.78	2.333	4.47	3.33	2.62
0.350	2.52	1.350	50.21	2.350	3.95	3.35	2.48
0.367	2.52	1.367	50.21	2.367	3.95	3.37	2.48
0.383	2.52	1.383	50.21	2.383	3.95	3.38	2.48
0.400	2.52	1.400	50.21	2.400	3.95	3.40	2.48
0.417	2.52	1.417	50.21	2.417	3.95	3.42	2.48
0.433	2.52	1.433	50.21	2.433	3.95	3.43	2.48
0.450	2.52	1.450	50.21	2.450	3.95	3.45	2.48
0.467	2.52	1.467	50.21	2.467	3.95	3.47	2.48
0.483	2.52	1.483	50.21	2.483	3.95	3.48	2.48
0.500	2.52	1.500	50.21	2.500	3.95	3.50	2.48
0.517	2.88	1.517	13.37	2.517	3.56	3.52	2.35
0.533	2.88	1.533	13.37	2.533	3.56	3.53	2.35
0.550	2.88	1.550	13.37	2.550	3.56	3.55	2.35
0.567	2.88	1.567	13.37	2.567	3.56	3.57	2.35
0.583	2.88	1.583	13.37	2.583	3.56	3.58	2.35
0.600	2.88	1.600	13.37	2.600	3.56	3.60	2.35
0.617	2.88	1.617	13.37	2.617	3.56	3.62	2.35
0.633	2.88	1.633	13.37	2.633	3.56	3.63	2.35
0.650	2.88	1.650	13.37	2.650	3.56	3.65	2.35
0.667	2.88	1.667	13.37	2.667	3.56	3.67	2.35
0.683	3.38	1.683	8.29	2.683	3.25	3.68	2.23
0.700	3.38	1.700	8.29	2.700	3.25	3.70	2.23
0.717	3.38	1.717	8.29	2.717	3.25	3.72	2.23
0.733	3.38	1.733	8.29	2.733	3.25	3.73	2.23
0.750	3.38	1.750	8.29	2.750	3.25	3.75	2.23
0.767	3.38	1.767	8.29	2.767	3.25	3.77	2.23
0.783	3.38	1.783	8.29	2.783	3.25	3.78	2.23
0.800	3.38	1.800	8.29	2.800	3.25	3.80	2.23
0.817	3.38	1.817	8.29	2.817	3.25	3.82	2.23
0.833	3.38	1.833	8.29	2.833	3.25	3.83	2.23
0.850	4.17	1.850	6.30	2.850	3.01	3.85	2.14
0.867	4.18	1.867	6.30	2.867	3.01	3.87	2.14
0.883	4.18	1.883	6.30	2.883	3.01	3.88	2.14
0.900	4.18	1.900	6.30	2.900	3.01	3.90	2.14
0.917	4.18	1.917	6.30	2.917	3.01	3.92	2.14
0.933	4.18	1.933	6.30	2.933	3.01	3.93	2.14
0.950	4.18	1.950	6.30	2.950	3.01	3.95	2.14
0.967	4.18	1.967	6.30	2.967	3.01	3.97	2.14
0.983	4.18	1.983	6.30	2.983	3.01	3.98	2.14
1.000	4.18	2.000	6.30	3.000	3.01	4.00	2.14

Max.Eff.Inten.(mm/hr)=	50.21	26.77	
over (min)	7.00	19.00	
Storage Coeff. (min)=	6.79 (ii)	18.75 (ii)	
Unit Hyd. Tpeak (min)=	7.00	19.00	
Unit Hyd. peak (cms)=	0.16	0.06	
			TOTALS
PEAK FLOW (cms)=	0.78	0.28	0.927 (iii)
TIME TO PEAK (hrs)=	1.55	1.77	1.57

RUNOFF VOLUME (mm)=	24.00	15.16	19.49
TOTAL RAINFALL (mm)=	25.00	25.00	25.00
RUNOFF COEFFICIENT =	0.96	0.61	0.78

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 94.0 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.

V V I SSSSS U U A L (v 6.2.2019)
V V I SS U U A A L
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***** D E T A I L E D O U T P U T *****

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Output filename:
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Summary filename:
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DATE: 01-27-2026 TIME: 02:07:38

USER:

COMMENTS: _____

** SIMULATION : 2 - 2-Year 24hr Chic - Milton **

CHICAGO STORM
Ptotal= 47.70 mm

IDF curve parameters: A= 779.000
B= 6.000
C= 0.821
used in: INTENSITY = A / (t + B)^C

Duration of storm = 24.00 hrs
Storm time step = 10.00 min
Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.37	6.00	1.29	12.00	1.14	18.00	0.53
0.17	0.38	6.17	1.41	12.17	1.10	18.17	0.52
0.33	0.38	6.33	1.55	12.33	1.06	18.33	0.52
0.50	0.39	6.50	1.73	12.50	1.03	18.50	0.51
0.67	0.40	6.67	1.96	12.67	1.00	18.67	0.50
0.83	0.41	6.83	2.26	12.83	0.97	18.83	0.50
1.00	0.42	7.00	2.70	13.00	0.94	19.00	0.49
1.17	0.42	7.17	3.37	13.17	0.92	19.17	0.48
1.33	0.43	7.33	4.53	13.33	0.89	19.33	0.48
1.50	0.44	7.50	7.13	13.50	0.87	19.50	0.47
1.67	0.45	7.67	18.18	13.67	0.85	19.67	0.47
1.83	0.46	7.83	80.06	13.83	0.83	19.83	0.46
2.00	0.47	8.00	24.18	14.00	0.81	20.00	0.46
2.17	0.49	8.17	12.21	14.17	0.79	20.17	0.45
2.33	0.50	8.33	8.15	14.33	0.78	20.33	0.45
2.50	0.51	8.50	6.13	14.50	0.76	20.50	0.44
2.67	0.53	8.67	4.94	14.67	0.74	20.67	0.44
2.83	0.54	8.83	4.14	14.83	0.73	20.83	0.43
3.00	0.56	9.00	3.58	15.00	0.71	21.00	0.43
3.17	0.57	9.17	3.16	15.17	0.70	21.17	0.42
3.33	0.59	9.33	2.83	15.33	0.69	21.33	0.42
3.50	0.61	9.50	2.57	15.50	0.67	21.50	0.41
3.67	0.63	9.67	2.36	15.67	0.66	21.67	0.41
3.83	0.65	9.83	2.18	15.83	0.65	21.83	0.41
4.00	0.68	10.00	2.02	16.00	0.64	22.00	0.40
4.17	0.71	10.17	1.89	16.17	0.63	22.17	0.40
4.33	0.73	10.33	1.78	16.33	0.62	22.33	0.39
4.50	0.77	10.50	1.68	16.50	0.61	22.50	0.39
4.67	0.80	10.67	1.59	16.67	0.60	22.67	0.39
4.83	0.84	10.83	1.51	16.83	0.59	22.83	0.38
5.00	0.88	11.00	1.44	17.00	0.58	23.00	0.38
5.17	0.93	11.17	1.38	17.17	0.57	23.17	0.38
5.33	0.98	11.33	1.32	17.33	0.56	23.33	0.37
5.50	1.04	11.50	1.27	17.50	0.55	23.50	0.37
5.67	1.12	11.67	1.22	17.67	0.55	23.67	0.37
5.83	1.20	11.83	1.18	17.83	0.54	23.83	0.36

CALIB
STANDHYD (0001)
ID= 1 DT= 1.0 min

Area (ha)= 15.57
Total Imp(%)= 49.00 Dir. Conn.(%)= 49.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.63	7.94
Dep. Storage	(mm)=	1.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	322.18	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.37	6.017	1.29	12.017	1.14	18.02	0.53
0.033	0.37	6.033	1.29	12.033	1.14	18.03	0.53
0.050	0.37	6.050	1.29	12.050	1.14	18.05	0.53
0.067	0.37	6.067	1.29	12.067	1.14	18.07	0.53
0.083	0.37	6.083	1.29	12.083	1.14	18.08	0.53
0.100	0.37	6.100	1.29	12.100	1.14	18.10	0.53
0.117	0.37	6.117	1.29	12.117	1.14	18.12	0.53
0.133	0.37	6.133	1.29	12.133	1.14	18.13	0.53
0.150	0.37	6.150	1.29	12.150	1.14	18.15	0.53
0.167	0.37	6.167	1.29	12.167	1.14	18.17	0.53
0.183	0.38	6.183	1.41	12.183	1.10	18.18	0.52
0.200	0.38	6.200	1.41	12.200	1.10	18.20	0.52
0.217	0.38	6.217	1.41	12.217	1.10	18.22	0.52
0.233	0.38	6.233	1.41	12.233	1.10	18.23	0.52
0.250	0.38	6.250	1.41	12.250	1.10	18.25	0.52
0.267	0.38	6.267	1.41	12.267	1.10	18.27	0.52
0.283	0.38	6.283	1.41	12.283	1.10	18.28	0.52
0.300	0.38	6.300	1.41	12.300	1.10	18.30	0.52
0.317	0.38	6.317	1.41	12.317	1.10	18.32	0.52
0.333	0.38	6.333	1.41	12.333	1.10	18.33	0.52
0.350	0.38	6.350	1.55	12.350	1.06	18.35	0.52
0.367	0.38	6.367	1.55	12.367	1.06	18.37	0.52
0.383	0.38	6.383	1.55	12.383	1.06	18.38	0.52

0.400	0.38	6.400	1.55	12.400	1.06	18.40	0.52
0.417	0.38	6.417	1.55	12.417	1.06	18.42	0.52
0.433	0.38	6.433	1.55	12.433	1.06	18.43	0.52
0.450	0.38	6.450	1.55	12.450	1.06	18.45	0.52
0.467	0.38	6.467	1.55	12.467	1.06	18.47	0.52
0.483	0.38	6.483	1.55	12.483	1.06	18.48	0.52
0.500	0.38	6.500	1.55	12.500	1.06	18.50	0.52
0.517	0.39	6.517	1.73	12.517	1.03	18.52	0.51
0.533	0.39	6.533	1.73	12.533	1.03	18.53	0.51
0.550	0.39	6.550	1.73	12.550	1.03	18.55	0.51
0.567	0.39	6.567	1.73	12.567	1.03	18.57	0.51
0.583	0.39	6.583	1.73	12.583	1.03	18.58	0.51
0.600	0.39	6.600	1.73	12.600	1.03	18.60	0.51
0.617	0.39	6.617	1.73	12.617	1.03	18.62	0.51
0.633	0.39	6.633	1.73	12.633	1.03	18.63	0.51
0.650	0.39	6.650	1.73	12.650	1.03	18.65	0.51
0.667	0.39	6.667	1.73	12.667	1.03	18.67	0.51
0.683	0.40	6.683	1.96	12.683	1.00	18.68	0.50
0.700	0.40	6.700	1.96	12.700	1.00	18.70	0.50
0.717	0.40	6.717	1.96	12.717	1.00	18.72	0.50
0.733	0.40	6.733	1.96	12.733	1.00	18.73	0.50
0.750	0.40	6.750	1.96	12.750	1.00	18.75	0.50
0.767	0.40	6.767	1.96	12.767	1.00	18.77	0.50
0.783	0.40	6.783	1.96	12.783	1.00	18.78	0.50
0.800	0.40	6.800	1.96	12.800	1.00	18.80	0.50
0.817	0.40	6.817	1.96	12.817	1.00	18.82	0.50
0.833	0.40	6.833	1.96	12.833	1.00	18.83	0.50
0.850	0.41	6.850	2.26	12.850	0.97	18.85	0.50
0.867	0.41	6.867	2.26	12.867	0.97	18.87	0.50
0.883	0.41	6.883	2.26	12.883	0.97	18.88	0.50
0.900	0.41	6.900	2.26	12.900	0.97	18.90	0.50
0.917	0.41	6.917	2.26	12.917	0.97	18.92	0.50
0.933	0.41	6.933	2.26	12.933	0.97	18.93	0.50
0.950	0.41	6.950	2.26	12.950	0.97	18.95	0.50
0.967	0.41	6.967	2.26	12.967	0.97	18.97	0.50
0.983	0.41	6.983	2.26	12.983	0.97	18.98	0.50
1.000	0.41	7.000	2.26	13.000	0.97	19.00	0.50
1.017	0.42	7.017	2.70	13.017	0.94	19.02	0.49
1.033	0.42	7.033	2.70	13.033	0.94	19.03	0.49
1.050	0.42	7.050	2.70	13.050	0.94	19.05	0.49
1.067	0.42	7.067	2.70	13.067	0.94	19.07	0.49
1.083	0.42	7.083	2.70	13.083	0.94	19.08	0.49
1.100	0.42	7.100	2.70	13.100	0.94	19.10	0.49
1.117	0.42	7.117	2.70	13.117	0.94	19.12	0.49
1.133	0.42	7.133	2.70	13.133	0.94	19.13	0.49
1.150	0.42	7.150	2.70	13.150	0.94	19.15	0.49
1.167	0.42	7.167	2.70	13.167	0.94	19.17	0.49
1.183	0.42	7.183	3.37	13.183	0.92	19.18	0.48
1.200	0.42	7.200	3.37	13.200	0.92	19.20	0.48
1.217	0.42	7.217	3.37	13.217	0.92	19.22	0.48
1.233	0.42	7.233	3.37	13.233	0.92	19.23	0.48
1.250	0.42	7.250	3.37	13.250	0.92	19.25	0.48
1.267	0.42	7.267	3.37	13.267	0.92	19.27	0.48
1.283	0.42	7.283	3.37	13.283	0.92	19.28	0.48
1.300	0.42	7.300	3.37	13.300	0.92	19.30	0.48
1.317	0.42	7.317	3.37	13.317	0.92	19.32	0.48
1.333	0.42	7.333	3.37	13.333	0.92	19.33	0.48
1.350	0.43	7.350	4.53	13.350	0.89	19.35	0.48
1.367	0.43	7.367	4.53	13.367	0.89	19.37	0.48
1.383	0.43	7.383	4.53	13.383	0.89	19.38	0.48
1.400	0.43	7.400	4.53	13.400	0.89	19.40	0.48
1.417	0.43	7.417	4.53	13.417	0.89	19.42	0.48
1.433	0.43	7.433	4.53	13.433	0.89	19.43	0.48
1.450	0.43	7.450	4.53	13.450	0.89	19.45	0.48
1.467	0.43	7.467	4.53	13.467	0.89	19.47	0.48
1.483	0.43	7.483	4.53	13.483	0.89	19.48	0.48
1.500	0.43	7.500	4.54	13.500	0.89	19.50	0.48
1.517	0.44	7.517	7.13	13.517	0.87	19.52	0.47
1.533	0.44	7.533	7.13	13.533	0.87	19.53	0.47
1.550	0.44	7.550	7.13	13.550	0.87	19.55	0.47
1.567	0.44	7.567	7.13	13.567	0.87	19.57	0.47
1.583	0.44	7.583	7.13	13.583	0.87	19.58	0.47
1.600	0.44	7.600	7.13	13.600	0.87	19.60	0.47
1.617	0.44	7.617	7.13	13.617	0.87	19.62	0.47
1.633	0.44	7.633	7.13	13.633	0.87	19.63	0.47
1.650	0.44	7.650	7.13	13.650	0.87	19.65	0.47
1.667	0.44	7.667	7.16	13.667	0.87	19.67	0.47
1.683	0.45	7.683	18.18	13.683	0.85	19.68	0.47
1.700	0.45	7.700	18.18	13.700	0.85	19.70	0.47
1.717	0.45	7.717	18.18	13.717	0.85	19.72	0.47
1.733	0.45	7.733	18.18	13.733	0.85	19.73	0.47
1.750	0.45	7.750	18.18	13.750	0.85	19.75	0.47
1.767	0.45	7.767	18.18	13.767	0.85	19.77	0.47
1.783	0.45	7.783	18.18	13.783	0.85	19.78	0.47
1.800	0.45	7.800	18.18	13.800	0.85	19.80	0.47
1.817	0.45	7.817	18.18	13.817	0.85	19.82	0.47
1.833	0.45	7.833	18.36	13.833	0.85	19.83	0.47
1.850	0.46	7.850	80.06	13.850	0.83	19.85	0.46
1.867	0.46	7.867	80.06	13.867	0.83	19.87	0.46
1.883	0.46	7.883	80.06	13.883	0.83	19.88	0.46
1.900	0.46	7.900	80.06	13.900	0.83	19.90	0.46
1.917	0.46	7.917	80.06	13.917	0.83	19.92	0.46
1.933	0.46	7.933	80.06	13.933	0.83	19.93	0.46
1.950	0.46	7.950	80.06	13.950	0.83	19.95	0.46
1.967	0.46	7.967	80.06	13.967	0.83	19.97	0.46
1.983	0.46	7.983	80.06	13.983	0.83	19.98	0.46
2.000	0.46	8.000	79.90	14.000	0.83	20.00	0.46
2.017	0.47	8.017	24.18	14.017	0.81	20.02	0.46
2.033	0.47	8.033	24.18	14.033	0.81	20.03	0.46
2.050	0.47	8.050	24.18	14.050	0.81	20.05	0.46
2.067	0.47	8.067	24.18	14.067	0.81	20.07	0.46
2.083	0.47	8.083	24.18	14.083	0.81	20.08	0.46
2.100	0.47	8.100	24.18	14.100	0.81	20.10	0.46
2.117	0.47	8.117	24.18	14.117	0.81	20.12	0.46
2.133	0.47	8.133	24.18	14.133	0.81	20.13	0.46
2.150	0.47	8.150	24.18	14.150	0.81	20.15	0.46
2.167	0.47	8.167	24.14	14.167	0.81	20.17	0.46
2.183	0.49	8.183	12.21	14.183	0.79	20.18	0.45
2.200	0.49	8.200	12.21	14.200	0.79	20.20	0.45
2.217	0.49	8.217	12.21	14.217	0.79	20.22	0.45
2.233	0.49	8.233	12.21	14.233	0.79	20.23	0.45
2.250	0.49	8.250	12.21	14.250	0.79	20.25	0.45
2.267	0.49	8.267	12.21	14.267	0.79	20.27	0.45
2.283	0.49	8.283	12.21	14.283	0.79	20.28	0.45
2.300	0.49	8.300	12.21	14.300	0.79	20.30	0.45
2.317	0.49	8.317	12.21	14.317	0.79	20.32	0.45
2.333	0.49	8.333	12.20	14.333	0.79	20.33	0.45
2.350	0.50	8.350	8.15	14.350	0.78	20.35	0.45
2.367	0.50	8.367	8.15	14.367	0.78	20.37	0.45
2.383	0.50	8.383	8.15	14.383	0.78	20.38	0.45
2.400	0.50	8.400	8.15	14.400	0.78	20.40	0.45
2.417	0.50	8.417	8.15	14.417	0.78	20.42	0.45
2.433	0.50	8.433	8.15	14.433	0.78	20.43	0.45
2.450	0.50	8.450	8.15	14.450	0.78	20.45	0.45
2.467	0.50	8.467	8.15	14.467	0.78	20.47	0.45
2.483	0.50	8.483	8.15	14.483	0.78	20.48	0.45
2.500	0.50	8.500	8.14	14.500	0.78	20.50	0.45
2.517	0.51	8.517	6.13	14.517	0.76	20.52	0.44
2.533	0.51	8.533	6.13	14.533	0.76	20.53	0.44
2.550	0.51	8.550	6.13	14.550	0.76	20.55	0.44
2.567	0.51	8.567	6.13	14.567	0.76	20.57	0.44
2.583	0.51	8.583	6.13	14.583	0.76	20.58	0.44
2.600	0.51	8.600	6.13	14.600	0.76	20.60	0.44
2.617	0.51	8.617	6.13	14.617	0.76	20.62	0.44
2.633	0.51	8.633	6.13	14.633	0.76	20.63	0.44
2.650	0.51	8.650	6.13	14.650	0.76	20.65	0.44
2.667	0.51	8.667	6.13	14.667	0.76	20.67	0.44
2.683	0.53	8.683	4.94	14.683	0.74	20.68	0.44
2.700	0.53	8.700	4.94	14.700	0.74	20.70	0.44
2.717	0.53	8.717	4.94	14.717	0.74	20.72	0.44
2.733	0.53	8.733	4.94	14.733	0.74	20.73	0.44
2.750	0.53	8.750	4.94	14.750	0.74	20.75	0.44
2.767	0.53	8.767	4.94	14.767	0.74	20.77	0.44
2.783	0.53	8.783	4.94	14.783	0.74	20.78	0.44
2.800	0.53	8.800	4.94	14.800	0.74	20.80	0.44
2.817	0.53	8.817	4.94	14.817	0.74	20.82	0.44
2.833	0.53	8.833	4.93	14.833	0.74	20.83	0.44
2.850	0.54	8.850	4.14	14.850	0.73	20.85	0.43
2.867	0.54	8.867	4.14	14.867	0.73	20.87	0.43
2.883	0.54	8.883	4.14	14.883	0.73	20.88	0.43
2.900	0.54	8.900	4.14	14.900	0.73	20.90	0.43
2.917	0.54	8.917	4.14	14.917	0.73	20.92	0.43
2.933	0.54	8.933	4.14	14.933	0.73	20.93	0.43
2.950	0.54	8.950	4.14	14.950	0.73	20.95	0.43
2.967	0.54	8.967	4.14	14.967	0.73	20.97	0.43
2.983	0.54	8.983	4.14	14.983	0.73	20.98	0.43
3.000	0.54	9.000	4.14	15.000	0.73	21.00	0.43
3.017	0.56	9.017	3.58	15.017	0.71	21.02	0.43
3.033	0.56	9.033	3.58	15.033	0.71	21.03	0.43
3.050	0.56	9.050	3.58	15.050	0.71	21.05	0.43
3.067	0.56	9.067	3.58	15.067	0.71	21.07	0.43
3.083	0.56	9.083	3.58	15.083	0.71	21.08	0.43
3.100	0.56	9.100	3.58	15.100	0.71	21.10	0.43
3.117	0.56	9.117	3.58	15.117	0.71	21.12	0.43
3.133	0.56	9.133	3.58	15.133	0.71	21.13	0.43
3.150	0.56	9.150	3.58	15.150	0.71	21.15	0.43
3.167	0.56	9.167	3.58	15.167	0.71	21.17	0.43
3.183	0.57	9.183	3.16	15.183	0.70	21.18	0.42
3.200	0.57	9.200	3.16	15.200	0.70	21.20	0.42
3.217	0.57	9.217	3.16	15.217	0.70	21.22	0.42
3.233	0.57	9.233	3.16	15.233	0.70	21.23	0.42
3.250	0.57	9.250	3.16	15.250	0.70	21.25	0.42
3.267	0.57	9.267	3.16	15.267	0.70	21.27	0.42
3.283	0.57	9.283	3.16	15.283	0.70	21.28	0.42
3.300	0.57	9.300	3.16	15.300	0.70	21.30	0.42
3.317	0.57	9.317	3.16	15.317	0.70	21.32	0.42
3.333	0.57	9.333	3.16	15.333	0.70	21.33	0.42
3.350	0.59	9.350	2.83	15.350	0.69	21.35	0.42
3.367	0.59	9.367	2.83	15.367	0.69	21.37	0.42
3.383	0.59	9.383	2.83	15.383	0.69	21.38	0.42
3.400	0.59	9.400	2.83	15.400	0.69	21.40	0.42
3.417	0.59	9.417	2.83	15.417	0.69	21.42	0.42
3.433	0.59	9.433	2.83	15.433	0.69	21.43	0.42
3.450	0.59	9.450	2.83	15.450	0.69	21.45	0.42
3.467	0.59	9.467	2.83	15.467	0.69	21.47	0.42
3.483	0.59	9.483	2.83	15.483	0.69	21.48	0.42
3.500	0.59	9.500	2.83	15.500	0.69	21.50	0.42
3.517	0.61	9.517	2.57	15.517	0.67	21.52	0.41
3.533	0.61	9.533	2.57	15.533	0.67	21.53	0.41
3.550	0.61	9.550	2.57	15.550	0.67	21.55	0.41
3.567	0.61	9.567	2.57	15.567	0.67	21.57	0.41
3.583	0.61	9.583	2.57	15.583	0.67	21.58	0.41
3.600	0.61	9.600	2.57	15.600	0.67	21.60	0.41
3.617	0.61	9.617	2.57	15.617	0.67	21.62	0.41
3.633	0.61	9.633	2.57	15.633	0.67	21.63	0.41
3.650	0.61	9.650	2.57	15.650	0.67	21.65	0.41
3.667	0.61	9.667	2.57	15.667	0.67	21.67	0.41
3.683	0.63	9.683	2.36	15.683	0.66	21.68	0.41
3.700	0.63	9.700	2.36	15.700	0.66	21.70	0.41
3.717	0.63	9.717	2.36	15.717	0.66	21.72	0.41

3.733	0.63	9.733	2.36	15.733	0.66	21.73	0.41
3.750	0.63	9.750	2.36	15.750	0.66	21.75	0.41
3.767	0.63	9.767	2.36	15.767	0.66	21.77	0.41
3.783	0.63	9.783	2.36	15.783	0.66	21.78	0.41
3.800	0.63	9.800	2.36	15.800	0.66	21.80	0.41
3.817	0.63	9.817	2.36	15.817	0.66	21.82	0.41
3.833	0.63	9.833	2.35	15.833	0.66	21.83	0.41
3.850	0.65	9.850	2.18	15.850	0.65	21.85	0.41
3.867	0.65	9.867	2.18	15.867	0.65	21.87	0.41
3.883	0.65	9.883	2.18	15.883	0.65	21.88	0.41
3.900	0.65	9.900	2.18	15.900	0.65	21.90	0.41
3.917	0.65	9.917	2.18	15.917	0.65	21.92	0.41
3.933	0.65	9.933	2.18	15.933	0.65	21.93	0.41
3.950	0.65	9.950	2.18	15.950	0.65	21.95	0.41
3.967	0.65	9.967	2.18	15.967	0.65	21.97	0.41
3.983	0.65	9.983	2.18	15.983	0.65	21.98	0.41
4.000	0.65	10.000	2.18	16.000	0.65	22.00	0.41
4.017	0.68	10.017	2.02	16.017	0.64	22.02	0.40
4.033	0.68	10.033	2.02	16.033	0.64	22.03	0.40
4.050	0.68	10.050	2.02	16.050	0.64	22.05	0.40
4.067	0.68	10.067	2.02	16.067	0.64	22.07	0.40
4.083	0.68	10.083	2.02	16.083	0.64	22.08	0.40
4.100	0.68	10.100	2.02	16.100	0.64	22.10	0.40
4.117	0.68	10.117	2.02	16.117	0.64	22.12	0.40
4.133	0.68	10.133	2.02	16.133	0.64	22.13	0.40
4.150	0.68	10.150	2.02	16.150	0.64	22.15	0.40
4.167	0.68	10.167	2.02	16.167	0.64	22.17	0.40
4.183	0.71	10.183	1.89	16.183	0.63	22.18	0.40
4.200	0.71	10.200	1.89	16.200	0.63	22.20	0.40
4.217	0.71	10.217	1.89	16.217	0.63	22.22	0.40
4.233	0.71	10.233	1.89	16.233	0.63	22.23	0.40
4.250	0.71	10.250	1.89	16.250	0.63	22.25	0.40
4.267	0.71	10.267	1.89	16.267	0.63	22.27	0.40
4.283	0.71	10.283	1.89	16.283	0.63	22.28	0.40
4.300	0.71	10.300	1.89	16.300	0.63	22.30	0.40
4.317	0.71	10.317	1.89	16.317	0.63	22.32	0.40
4.333	0.71	10.333	1.89	16.333	0.63	22.33	0.40
4.350	0.73	10.350	1.78	16.350	0.62	22.35	0.39
4.367	0.73	10.367	1.78	16.367	0.62	22.37	0.39
4.383	0.73	10.383	1.78	16.383	0.62	22.38	0.39
4.400	0.73	10.400	1.78	16.400	0.62	22.40	0.39
4.417	0.73	10.417	1.78	16.417	0.62	22.42	0.39
4.433	0.73	10.433	1.78	16.433	0.62	22.43	0.39
4.450	0.73	10.450	1.78	16.450	0.62	22.45	0.39
4.467	0.73	10.467	1.78	16.467	0.62	22.47	0.39
4.483	0.73	10.483	1.78	16.483	0.62	22.48	0.39
4.500	0.73	10.500	1.78	16.500	0.62	22.50	0.39
4.517	0.77	10.517	1.68	16.517	0.61	22.52	0.39
4.533	0.77	10.533	1.68	16.533	0.61	22.53	0.39
4.550	0.77	10.550	1.68	16.550	0.61	22.55	0.39
4.567	0.77	10.567	1.68	16.567	0.61	22.57	0.39
4.583	0.77	10.583	1.68	16.583	0.61	22.58	0.39
4.600	0.77	10.600	1.68	16.600	0.61	22.60	0.39
4.617	0.77	10.617	1.68	16.617	0.61	22.62	0.39
4.633	0.77	10.633	1.68	16.633	0.61	22.63	0.39
4.650	0.77	10.650	1.68	16.650	0.61	22.65	0.39
4.667	0.77	10.667	1.68	16.667	0.61	22.67	0.39
4.683	0.80	10.683	1.59	16.683	0.60	22.68	0.39
4.700	0.80	10.700	1.59	16.700	0.60	22.70	0.39
4.717	0.80	10.717	1.59	16.717	0.60	22.72	0.39
4.733	0.80	10.733	1.59	16.733	0.60	22.73	0.39
4.750	0.80	10.750	1.59	16.750	0.60	22.75	0.39
4.767	0.80	10.767	1.59	16.767	0.60	22.77	0.39
4.783	0.80	10.783	1.59	16.783	0.60	22.78	0.39
4.800	0.80	10.800	1.59	16.800	0.60	22.80	0.39
4.817	0.80	10.817	1.59	16.817	0.60	22.82	0.39
4.833	0.80	10.833	1.59	16.833	0.60	22.83	0.39
4.850	0.84	10.850	1.51	16.850	0.59	22.85	0.38
4.867	0.84	10.867	1.51	16.867	0.59	22.87	0.38
4.883	0.84	10.883	1.51	16.883	0.59	22.88	0.38
4.900	0.84	10.900	1.51	16.900	0.59	22.90	0.38
4.917	0.84	10.917	1.51	16.917	0.59	22.92	0.38
4.933	0.84	10.933	1.51	16.933	0.59	22.93	0.38
4.950	0.84	10.950	1.51	16.950	0.59	22.95	0.38
4.967	0.84	10.967	1.51	16.967	0.59	22.97	0.38
4.983	0.84	10.983	1.51	16.983	0.59	22.98	0.38
5.000	0.84	11.000	1.51	17.000	0.59	23.00	0.38
5.017	0.88	11.017	1.44	17.017	0.58	23.02	0.38
5.033	0.88	11.033	1.44	17.033	0.58	23.03	0.38
5.050	0.88	11.050	1.44	17.050	0.58	23.05	0.38
5.067	0.88	11.067	1.44	17.067	0.58	23.07	0.38
5.083	0.88	11.083	1.44	17.083	0.58	23.08	0.38
5.100	0.88	11.100	1.44	17.100	0.58	23.10	0.38
5.117	0.88	11.117	1.44	17.117	0.58	23.12	0.38
5.133	0.88	11.133	1.44	17.133	0.58	23.13	0.38
5.150	0.88	11.150	1.44	17.150	0.58	23.15	0.38
5.167	0.88	11.167	1.44	17.167	0.58	23.17	0.38
5.183	0.93	11.183	1.38	17.183	0.57	23.18	0.38
5.200	0.93	11.200	1.38	17.200	0.57	23.20	0.38
5.217	0.93	11.217	1.38	17.217	0.57	23.22	0.38
5.233	0.93	11.233	1.38	17.233	0.57	23.23	0.38
5.250	0.93	11.250	1.38	17.250	0.57	23.25	0.38
5.267	0.93	11.267	1.38	17.267	0.57	23.27	0.38
5.283	0.93	11.283	1.38	17.283	0.57	23.28	0.38
5.300	0.93	11.300	1.38	17.300	0.57	23.30	0.38
5.317	0.93	11.317	1.38	17.317	0.57	23.32	0.38
5.333	0.93	11.333	1.38	17.333	0.57	23.33	0.38
5.350	0.98	11.350	1.32	17.350	0.56	23.35	0.37
5.367	0.98	11.367	1.32	17.367	0.56	23.37	0.37
5.383	0.98	11.383	1.32	17.383	0.56	23.38	0.37
5.400	0.98	11.400	1.32	17.400	0.56	23.40	0.37
5.417	0.98	11.417	1.32	17.417	0.56	23.42	0.37
5.433	0.98	11.433	1.32	17.433	0.56	23.43	0.37
5.450	0.98	11.450	1.32	17.450	0.56	23.45	0.37
5.467	0.98	11.467	1.32	17.467	0.56	23.47	0.37
5.483	0.98	11.483	1.32	17.483	0.56	23.48	0.37
5.500	0.98	11.500	1.32	17.500	0.56	23.50	0.37
5.517	1.04	11.517	1.27	17.517	0.55	23.52	0.37
5.533	1.04	11.533	1.27	17.533	0.55	23.53	0.37
5.550	1.04	11.550	1.27	17.550	0.55	23.55	0.37
5.567	1.04	11.567	1.27	17.567	0.55	23.57	0.37
5.583	1.04	11.583	1.27	17.583	0.55	23.58	0.37
5.600	1.04	11.600	1.27	17.600	0.55	23.60	0.37
5.617	1.04	11.617	1.27	17.617	0.55	23.62	0.37
5.633	1.04	11.633	1.27	17.633	0.55	23.63	0.37
5.650	1.04	11.650	1.27	17.650	0.55	23.65	0.37
5.667	1.05	11.667	1.27	17.667	0.55	23.67	0.37
5.683	1.12	11.683	1.22	17.683	0.55	23.68	0.37
5.700	1.12	11.700	1.22	17.700	0.55	23.70	0.37
5.717	1.12	11.717	1.22	17.717	0.55	23.72	0.37
5.733	1.12	11.733	1.22	17.733	0.55	23.73	0.37
5.750	1.12	11.750	1.22	17.750	0.55	23.75	0.37
5.767	1.12	11.767	1.22	17.767	0.55	23.77	0.37
5.783	1.12	11.783	1.22	17.783	0.55	23.78	0.37
5.800	1.12	11.800	1.22	17.800	0.55	23.80	0.37
5.817	1.12	11.817	1.22	17.817	0.55	23.82	0.37
5.833	1.12	11.833	1.22	17.833	0.55	23.83	0.37
5.850	1.20	11.850	1.18	17.850	0.54	23.85	0.36
5.867	1.20	11.867	1.18	17.867	0.54	23.87	0.36
5.883	1.20	11.883	1.18	17.883	0.54	23.88	0.36
5.900	1.20	11.900	1.18	17.900	0.54	23.90	0.36
5.917	1.20	11.917	1.18	17.917	0.54	23.92	0.36
5.933	1.20	11.933	1.18	17.933	0.54	23.93	0.36
5.950	1.20	11.950	1.18	17.950	0.54	23.95	0.36
5.967	1.20	11.967	1.18	17.967	0.54	23.97	0.36
5.983	1.20	11.983	1.18	17.983	0.54	23.98	0.36
6.000	1.20	12.000	1.18	18.000	0.54	24.00	0.36

Max.Eff.Inten.(mm/hr)=	80.06	31.43	
over (min)	6.00	14.00	
Storage Coeff. (min)=	5.63 (ii)	13.47 (ii)	
Unit Hyd. Tpeak (min)=	6.00	14.00	
Unit Hyd. peak (cms)=	0.20	0.08	
			TOTALS
PEAK FLOW (cms)=	1.35	0.37	1.556 (iii)
TIME TO PEAK (hrs)=	8.03	8.20	8.05
RUNOFF VOLUME (mm)=	46.69	20.83	33.51
TOTAL RAINFALL (mm)=	47.70	47.70	47.70
RUNOFF COEFFICIENT =	0.98	0.44	0.70

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

CALIB		
STANDHYD (0002)	Area (ha)=	15.57
ID= 1 DT= 1.0 min	Total Imp(%)=	49.00 Dir. Conn.(%)= 49.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.63	7.94
Dep. Storage	(mm)=	1.00	0.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	322.18	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.37	6.017	1.29	12.017	1.14	18.02	0.53
0.033	0.37	6.033	1.29	12.033	1.14	18.03	0.53
0.050	0.37	6.050	1.29	12.050	1.14	18.05	0.53
0.067	0.37	6.067	1.29	12.067	1.14	18.07	0.53
0.083	0.37	6.083	1.29	12.083	1.14	18.08	0.53
0.100	0.37	6.100	1.29	12.100	1.14	18.10	0.53
0.117	0.37	6.117	1.29	12.117	1.14	18.12	0.53
0.133	0.37	6.133	1.29	12.133	1.14	18.13	0.53
0.150	0.37	6.150	1.29	12.150	1.14	18.15	0.53
0.167	0.37	6.167	1.29	12.167	1.14	18.17	0.53
0.183	0.38	6.183	1.41	12.183	1.10	18.18	0.52
0.200	0.38	6.200	1.41	12.200	1.10	18.20	0.52
0.217	0.38	6.217	1.41	12.217	1.10	18.22	0.52
0.233	0.38	6.233	1.41	12.233	1.10	18.23	0.52
0.250	0.38	6.250	1.41	12.250	1.10	18.25	0.52
0.267	0.38	6.267	1.41	12.267	1.10	18.27	0.52
0.283	0.38	6.283	1.41	12.283	1.10	18.28	0.52
0.300	0.38	6.300	1.41	12.300	1.10	18.30	0.52
0.317	0.38	6.317	1.41	12.317	1.10	18.32	0.52
0.333	0.38	6.333	1.41	12.333	1.10	18.33	0.52
0.350	0.38	6.350	1.55	12.350	1.06	18.35	0.52
0.367	0.38	6.367	1.55	12.367	1.06	18.37	0.52
0.383	0.38	6.383	1.55	12.383	1.06	18.38	0.52
0.400	0.38	6.400	1.55	12.400	1.06	18.40	0.52

0.417	0.38	6.417	1.55	12.417	1.06	18.42	0.52
0.433	0.38	6.433	1.55	12.433	1.06	18.43	0.52
0.450	0.38	6.450	1.55	12.450	1.06	18.45	0.52
0.467	0.38	6.467	1.55	12.467	1.06	18.47	0.52
0.483	0.38	6.483	1.55	12.483	1.06	18.48	0.52
0.500	0.38	6.500	1.55	12.500	1.06	18.50	0.52
0.517	0.39	6.517	1.73	12.517	1.03	18.52	0.51
0.533	0.39	6.533	1.73	12.533	1.03	18.53	0.51
0.550	0.39	6.550	1.73	12.550	1.03	18.55	0.51
0.567	0.39	6.567	1.73	12.567	1.03	18.57	0.51
0.583	0.39	6.583	1.73	12.583	1.03	18.58	0.51
0.600	0.39	6.600	1.73	12.600	1.03	18.60	0.51
0.617	0.39	6.617	1.73	12.617	1.03	18.62	0.51
0.633	0.39	6.633	1.73	12.633	1.03	18.63	0.51
0.650	0.39	6.650	1.73	12.650	1.03	18.65	0.51
0.667	0.39	6.667	1.73	12.667	1.03	18.67	0.51
0.683	0.40	6.683	1.96	12.683	1.00	18.68	0.50
0.700	0.40	6.700	1.96	12.700	1.00	18.70	0.50
0.717	0.40	6.717	1.96	12.717	1.00	18.72	0.50
0.733	0.40	6.733	1.96	12.733	1.00	18.73	0.50
0.750	0.40	6.750	1.96	12.750	1.00	18.75	0.50
0.767	0.40	6.767	1.96	12.767	1.00	18.77	0.50
0.783	0.40	6.783	1.96	12.783	1.00	18.78	0.50
0.800	0.40	6.800	1.96	12.800	1.00	18.80	0.50
0.817	0.40	6.817	1.96	12.817	1.00	18.82	0.50
0.833	0.40	6.833	1.96	12.833	1.00	18.83	0.50
0.850	0.41	6.850	2.26	12.850	0.97	18.85	0.50
0.867	0.41	6.867	2.26	12.867	0.97	18.87	0.50
0.883	0.41	6.883	2.26	12.883	0.97	18.88	0.50
0.900	0.41	6.900	2.26	12.900	0.97	18.90	0.50
0.917	0.41	6.917	2.26	12.917	0.97	18.92	0.50
0.933	0.41	6.933	2.26	12.933	0.97	18.93	0.50
0.950	0.41	6.950	2.26	12.950	0.97	18.95	0.50
0.967	0.41	6.967	2.26	12.967	0.97	18.97	0.50
0.983	0.41	6.983	2.26	12.983	0.97	18.98	0.50
1.000	0.41	7.000	2.26	13.000	0.97	19.00	0.50
1.017	0.42	7.017	2.70	13.017	0.94	19.02	0.49
1.033	0.42	7.033	2.70	13.033	0.94	19.03	0.49
1.050	0.42	7.050	2.70	13.050	0.94	19.05	0.49
1.067	0.42	7.067	2.70	13.067	0.94	19.07	0.49
1.083	0.42	7.083	2.70	13.083	0.94	19.08	0.49
1.100	0.42	7.100	2.70	13.100	0.94	19.10	0.49
1.117	0.42	7.117	2.70	13.117	0.94	19.12	0.49
1.133	0.42	7.133	2.70	13.133	0.94	19.13	0.49
1.150	0.42	7.150	2.70	13.150	0.94	19.15	0.49
1.167	0.42	7.167	2.70	13.167	0.94	19.17	0.49
1.183	0.42	7.183	3.37	13.183	0.92	19.18	0.48
1.200	0.42	7.200	3.37	13.200	0.92	19.20	0.48
1.217	0.42	7.217	3.37	13.217	0.92	19.22	0.48
1.233	0.42	7.233	3.37	13.233	0.92	19.23	0.48
1.250	0.42	7.250	3.37	13.250	0.92	19.25	0.48
1.267	0.42	7.267	3.37	13.267	0.92	19.27	0.48
1.283	0.42	7.283	3.37	13.283	0.92	19.28	0.48
1.300	0.42	7.300	3.37	13.300	0.92	19.30	0.48
1.317	0.42	7.317	3.37	13.317	0.92	19.32	0.48
1.333	0.42	7.333	3.37	13.333	0.92	19.33	0.48
1.350	0.43	7.350	4.53	13.350	0.89	19.35	0.48
1.367	0.43	7.367	4.53	13.367	0.89	19.37	0.48
1.383	0.43	7.383	4.53	13.383	0.89	19.38	0.48
1.400	0.43	7.400	4.53	13.400	0.89	19.40	0.48
1.417	0.43	7.417	4.53	13.417	0.89	19.42	0.48
1.433	0.43	7.433	4.53	13.433	0.89	19.43	0.48
1.450	0.43	7.450	4.53	13.450	0.89	19.45	0.48
1.467	0.43	7.467	4.53	13.467	0.89	19.47	0.48
1.483	0.43	7.483	4.53	13.483	0.89	19.48	0.48
1.500	0.43	7.500	4.54	13.500	0.89	19.50	0.48
1.517	0.44	7.517	7.13	13.517	0.87	19.52	0.47
1.533	0.44	7.533	7.13	13.533	0.87	19.53	0.47
1.550	0.44	7.550	7.13	13.550	0.87	19.55	0.47
1.567	0.44	7.567	7.13	13.567	0.87	19.57	0.47
1.583	0.44	7.583	7.13	13.583	0.87	19.58	0.47
1.600	0.44	7.600	7.13	13.600	0.87	19.60	0.47
1.617	0.44	7.617	7.13	13.617	0.87	19.62	0.47
1.633	0.44	7.633	7.13	13.633	0.87	19.63	0.47
1.650	0.44	7.650	7.13	13.650	0.87	19.65	0.47
1.667	0.44	7.667	7.16	13.667	0.87	19.67	0.47
1.683	0.45	7.683	18.18	13.683	0.85	19.68	0.47
1.700	0.45	7.700	18.18	13.700	0.85	19.70	0.47
1.717	0.45	7.717	18.18	13.717	0.85	19.72	0.47
1.733	0.45	7.733	18.18	13.733	0.85	19.73	0.47
1.750	0.45	7.750	18.18	13.750	0.85	19.75	0.47
1.767	0.45	7.767	18.18	13.767	0.85	19.77	0.47
1.783	0.45	7.783	18.18	13.783	0.85	19.78	0.47
1.800	0.45	7.800	18.18	13.800	0.85	19.80	0.47
1.817	0.45	7.817	18.18	13.817	0.85	19.82	0.47
1.833	0.45	7.833	18.36	13.833	0.85	19.83	0.47
1.850	0.46	7.850	80.06	13.850	0.83	19.85	0.46
1.867	0.46	7.867	80.06	13.867	0.83	19.87	0.46
1.883	0.46	7.883	80.06	13.883	0.83	19.88	0.46
1.900	0.46	7.900	80.06	13.900	0.83	19.90	0.46
1.917	0.46	7.917	80.06	13.917	0.83	19.92	0.46
1.933	0.46	7.933	80.06	13.933	0.83	19.93	0.46
1.950	0.46	7.950	80.06	13.950	0.83	19.95	0.46
1.967	0.46	7.967	80.06	13.967	0.83	19.97	0.46
1.983	0.46	7.983	80.06	13.983	0.83	19.98	0.46
2.000	0.46	8.000	79.90	14.000	0.83	20.00	0.46
2.017	0.47	8.017	24.18	14.017	0.81	20.02	0.46
2.033	0.47	8.033	24.18	14.033	0.81	20.03	0.46
2.050	0.47	8.050	24.18	14.050	0.81	20.05	0.46
2.067	0.47	8.067	24.18	14.067	0.81	20.07	0.46
2.083	0.47	8.083	24.18	14.083	0.81	20.08	0.46
2.100	0.47	8.100	24.18	14.100	0.81	20.10	0.46
2.117	0.47	8.117	24.18	14.117	0.81	20.12	0.46
2.133	0.47	8.133	24.18	14.133	0.81	20.13	0.46
2.150	0.47	8.150	24.18	14.150	0.81	20.15	0.46
2.167	0.47	8.167	24.14	14.167	0.81	20.17	0.46
2.183	0.49	8.183	12.21	14.183	0.79	20.18	0.45
2.200	0.49	8.200	12.21	14.200	0.79	20.20	0.45
2.217	0.49	8.217	12.21	14.217	0.79	20.22	0.45
2.233	0.49	8.233	12.21	14.233	0.79	20.23	0.45
2.250	0.49	8.250	12.21	14.250	0.79	20.25	0.45
2.267	0.49	8.267	12.21	14.267	0.79	20.27	0.45
2.283	0.49	8.283	12.21	14.283	0.79	20.28	0.45
2.300	0.49	8.300	12.21	14.300	0.79	20.30	0.45
2.317	0.49	8.317	12.21	14.317	0.79	20.32	0.45
2.333	0.49	8.333	12.20	14.333	0.79	20.33	0.45
2.350	0.50	8.350	8.15	14.350	0.78	20.35	0.45
2.367	0.50	8.367	8.15	14.367	0.78	20.37	0.45
2.383	0.50	8.383	8.15	14.383	0.78	20.38	0.45
2.400	0.50	8.400	8.15	14.400	0.78	20.40	0.45
2.417	0.50	8.417	8.15	14.417	0.78	20.42	0.45
2.433	0.50	8.433	8.15	14.433	0.78	20.43	0.45
2.450	0.50	8.450	8.15	14.450	0.78	20.45	0.45
2.467	0.50	8.467	8.15	14.467	0.78	20.47	0.45
2.483	0.50	8.483	8.15	14.483	0.78	20.48	0.45
2.500	0.50	8.500	8.14	14.500	0.78	20.50	0.45
2.517	0.51	8.517	6.13	14.517	0.76	20.52	0.44
2.533	0.51	8.533	6.13	14.533	0.76	20.53	0.44
2.550	0.51	8.550	6.13	14.550	0.76	20.55	0.44
2.567	0.51	8.567	6.13	14.567	0.76	20.57	0.44
2.583	0.51	8.583	6.13	14.583	0.76	20.58	0.44
2.600	0.51	8.600	6.13	14.600	0.76	20.60	0.44
2.617	0.51	8.617	6.13	14.617	0.76	20.62	0.44
2.633	0.51	8.633	6.13	14.633	0.76	20.63	0.44
2.650	0.51	8.650	6.13	14.650	0.76	20.65	0.44
2.667	0.51	8.667	6.13	14.667	0.76	20.67	0.44
2.683	0.53	8.683	4.94	14.683	0.74	20.68	0.44
2.700	0.53	8.700	4.94	14.700	0.74	20.70	0.44
2.717	0.53	8.717	4.94	14.717	0.74	20.72	0.44
2.733	0.53	8.733	4.94	14.733	0.74	20.73	0.44
2.750	0.53	8.750	4.94	14.750	0.74	20.75	0.44
2.767	0.53	8.767	4.94	14.767	0.74	20.77	0.44
2.783	0.53	8.783	4.94	14.783	0.74	20.78	0.44
2.800	0.53	8.800	4.94	14.800	0.74	20.80	0.44
2.817	0.53	8.817	4.94	14.817	0.74	20.82	0.44
2.833	0.53	8.833	4.93	14.833	0.74	20.83	0.44
2.850	0.54	8.850	4.14	14.850	0.73	20.85	0.43
2.867	0.54	8.867	4.14	14.867	0.73	20.87	0.43
2.883	0.54	8.883	4.14	14.883	0.73	20.88	0.43
2.900	0.54	8.900	4.14	14.900	0.73	20.90	0.43
2.917	0.54	8.917	4.14	14.917	0.73	20.92	0.43
2.933	0.54	8.933	4.14	14.933	0.73	20.93	0.43
2.950	0.54	8.950	4.14	14.950	0.73	20.95	0.43
2.967	0.54	8.967	4.14	14.967	0.73	20.97	0.43
2.983	0.54	8.983	4.14	14.983	0.73	20.98	0.43
3.000	0.54	9.000	4.14	15.000	0.73	21.00	0.43
3.017	0.56	9.017	3.58	15.017	0.71	21.02	0.43
3.033	0.56	9.033	3.58	15.033	0.71	21.03	0.43
3.050	0.56	9.050	3.58	15.050	0.71	21.05	0.43
3.067	0.56	9.067	3.58	15.067	0.71	21.07	0.43
3.083	0.56	9.083	3.58	15.083	0.71	21.08	0.43
3.100	0.56	9.100	3.58	15.100	0.71	21.10	0.43
3.117	0.56	9.117	3.58	15.117	0.71	21.12	0.43
3.133	0.56	9.133	3.58	15.133	0.71	21.13	0.43
3.150	0.56	9.150	3.58	15.150	0.71	21.15	0.43
3.167	0.56	9.167	3.58	15.167	0.71	21.17	0.43
3.183	0.57	9.183	3.16	15.183	0.70	21.18	0.42
3.200	0.57	9.200	3.16	15.200	0.70	21.20	0.42
3.217	0.57	9.217	3.16	15.217	0.70	21.22	0.42
3.233	0.57	9.233	3.16	15.233	0.70	21.23	0.42
3.250	0.57	9.250	3.16	15.250	0.70	21.25	0.42
3.267	0.57	9.267	3.16	15.267	0.70	21.27	0.42
3.283	0.57	9.283	3.16	15.283	0.70	21.28	0.42
3.300	0.57	9.300	3.16	15.300	0.70	21.30	0.42
3.317	0.57	9.317	3.16	15.317	0.70	21.32	0.42
3.333	0.57	9.333	3.16	15.333	0.70	21.33	0.42
3.350	0.59	9.350	2.83	15.350	0.69	21.35	0.42
3.367	0.59	9.367	2.83	15.367	0.69	21.37	0.42
3.383	0.59	9.383	2.83	15.383	0.69	21.38	0.42
3.400	0.59	9.400	2.83	15.400	0.69	21.40	0.42
3.417	0.59	9.417	2.83	15.417	0.69	21.42	0.42
3.433	0.59	9.433	2.83	15.433	0.69	21.43	0.42
3.450	0.59	9.450	2.83	15.450	0.69	21.45	0.42
3.467	0.59	9.467	2.83	15.467	0.69	21.47	0.42
3.483	0.59	9.483	2.83	15.483	0.69	21.48	0.42
3.500	0.59	9.500	2.83	15.500	0.69	21.50	0.42
3.517	0.61	9.517	2.57	15.517	0.67	21.52	0.41
3.533	0.61	9.533	2.57	15.533	0.67	21.53	0.41
3.550	0.61	9.550	2.57	15.550	0.67	21.55	0.41
3.567	0.61	9.567	2.57	15.567	0.67	21.57	0.41
3.583	0.61	9.583	2.57	15.583	0.67	21.58	0.41
3.600	0.61	9.600	2.57	15.600	0.67	21.60	0.41
3.617	0.61	9.617	2.57	15.617	0.67	21.62	0.41
3.633	0.61	9.633	2.57	15.633	0.67	21.63	0.41
3.650	0.61	9.650	2.57	15.650	0.67	21.65	0.41
3.667	0.61	9.667	2.57	15.667	0.67	21.67	0.41
3.683	0.63	9.683	2.36	15.683	0.66	21.68	0.41
3.700	0.63	9.700	2.36	15.700	0.66	21.70	0.41
3.717	0.63	9.717	2.36	15.717	0.66	21.72	0.41
3.733	0.63	9.733	2.36	15.733	0.66	21.73	0.41

3.750	0.63	9.750	2.36	15.750	0.66	21.75	0.41
3.767	0.63	9.767	2.36	15.767	0.66	21.77	0.41
3.783	0.63	9.783	2.36	15.783	0.66	21.78	0.41
3.800	0.63	9.800	2.36	15.800	0.66	21.80	0.41
3.817	0.63	9.817	2.36	15.817	0.66	21.82	0.41
3.833	0.63	9.833	2.35	15.833	0.66	21.83	0.41
3.850	0.65	9.850	2.18	15.850	0.65	21.85	0.41
3.867	0.65	9.867	2.18	15.867	0.65	21.87	0.41
3.883	0.65	9.883	2.18	15.883	0.65	21.88	0.41
3.900	0.65	9.900	2.18	15.900	0.65	21.90	0.41
3.917	0.65	9.917	2.18	15.917	0.65	21.92	0.41
3.933	0.65	9.933	2.18	15.933	0.65	21.93	0.41
3.950	0.65	9.950	2.18	15.950	0.65	21.95	0.41
3.967	0.65	9.967	2.18	15.967	0.65	21.97	0.41
3.983	0.65	9.983	2.18	15.983	0.65	21.98	0.41
4.000	0.65	10.000	2.18	16.000	0.65	22.00	0.41
4.017	0.68	10.017	2.02	16.017	0.64	22.02	0.40
4.033	0.68	10.033	2.02	16.033	0.64	22.03	0.40
4.050	0.68	10.050	2.02	16.050	0.64	22.05	0.40
4.067	0.68	10.067	2.02	16.067	0.64	22.07	0.40
4.083	0.68	10.083	2.02	16.083	0.64	22.08	0.40
4.100	0.68	10.100	2.02	16.100	0.64	22.10	0.40
4.117	0.68	10.117	2.02	16.117	0.64	22.12	0.40
4.133	0.68	10.133	2.02	16.133	0.64	22.13	0.40
4.150	0.68	10.150	2.02	16.150	0.64	22.15	0.40
4.167	0.68	10.167	2.02	16.167	0.64	22.17	0.40
4.183	0.71	10.183	1.89	16.183	0.63	22.18	0.40
4.200	0.71	10.200	1.89	16.200	0.63	22.20	0.40
4.217	0.71	10.217	1.89	16.217	0.63	22.22	0.40
4.233	0.71	10.233	1.89	16.233	0.63	22.23	0.40
4.250	0.71	10.250	1.89	16.250	0.63	22.25	0.40
4.267	0.71	10.267	1.89	16.267	0.63	22.27	0.40
4.283	0.71	10.283	1.89	16.283	0.63	22.28	0.40
4.300	0.71	10.300	1.89	16.300	0.63	22.30	0.40
4.317	0.71	10.317	1.89	16.317	0.63	22.32	0.40
4.333	0.71	10.333	1.89	16.333	0.63	22.33	0.40
4.350	0.73	10.350	1.78	16.350	0.62	22.35	0.39
4.367	0.73	10.367	1.78	16.367	0.62	22.37	0.39
4.383	0.73	10.383	1.78	16.383	0.62	22.38	0.39
4.400	0.73	10.400	1.78	16.400	0.62	22.40	0.39
4.417	0.73	10.417	1.78	16.417	0.62	22.42	0.39
4.433	0.73	10.433	1.78	16.433	0.62	22.43	0.39
4.450	0.73	10.450	1.78	16.450	0.62	22.45	0.39
4.467	0.73	10.467	1.78	16.467	0.62	22.47	0.39
4.483	0.73	10.483	1.78	16.483	0.62	22.48	0.39
4.500	0.73	10.500	1.78	16.500	0.62	22.50	0.39
4.517	0.77	10.517	1.68	16.517	0.61	22.52	0.39
4.533	0.77	10.533	1.68	16.533	0.61	22.53	0.39
4.550	0.77	10.550	1.68	16.550	0.61	22.55	0.39
4.567	0.77	10.567	1.68	16.567	0.61	22.57	0.39
4.583	0.77	10.583	1.68	16.583	0.61	22.58	0.39
4.600	0.77	10.600	1.68	16.600	0.61	22.60	0.39
4.617	0.77	10.617	1.68	16.617	0.61	22.62	0.39
4.633	0.77	10.633	1.68	16.633	0.61	22.63	0.39
4.650	0.77	10.650	1.68	16.650	0.61	22.65	0.39
4.667	0.77	10.667	1.68	16.667	0.61	22.67	0.39
4.683	0.80	10.683	1.59	16.683	0.60	22.68	0.39
4.700	0.80	10.700	1.59	16.700	0.60	22.70	0.39
4.717	0.80	10.717	1.59	16.717	0.60	22.72	0.39
4.733	0.80	10.733	1.59	16.733	0.60	22.73	0.39
4.750	0.80	10.750	1.59	16.750	0.60	22.75	0.39
4.767	0.80	10.767	1.59	16.767	0.60	22.77	0.39
4.783	0.80	10.783	1.59	16.783	0.60	22.78	0.39
4.800	0.80	10.800	1.59	16.800	0.60	22.80	0.39
4.817	0.80	10.817	1.59	16.817	0.60	22.82	0.39
4.833	0.80	10.833	1.59	16.833	0.60	22.83	0.39
4.850	0.84	10.850	1.51	16.850	0.59	22.85	0.38
4.867	0.84	10.867	1.51	16.867	0.59	22.87	0.38
4.883	0.84	10.883	1.51	16.883	0.59	22.88	0.38
4.900	0.84	10.900	1.51	16.900	0.59	22.90	0.38
4.917	0.84	10.917	1.51	16.917	0.59	22.92	0.38
4.933	0.84	10.933	1.51	16.933	0.59	22.93	0.38
4.950	0.84	10.950	1.51	16.950	0.59	22.95	0.38
4.967	0.84	10.967	1.51	16.967	0.59	22.97	0.38
4.983	0.84	10.983	1.51	16.983	0.59	22.98	0.38
5.000	0.84	11.000	1.51	17.000	0.59	23.00	0.38
5.017	0.88	11.017	1.44	17.017	0.58	23.02	0.38
5.033	0.88	11.033	1.44	17.033	0.58	23.03	0.38
5.050	0.88	11.050	1.44	17.050	0.58	23.05	0.38
5.067	0.88	11.067	1.44	17.067	0.58	23.07	0.38
5.083	0.88	11.083	1.44	17.083	0.58	23.08	0.38
5.100	0.88	11.100	1.44	17.100	0.58	23.10	0.38
5.117	0.88	11.117	1.44	17.117	0.58	23.12	0.38
5.133	0.88	11.133	1.44	17.133	0.58	23.13	0.38
5.150	0.88	11.150	1.44	17.150	0.58	23.15	0.38
5.167	0.88	11.167	1.44	17.167	0.58	23.17	0.38
5.183	0.93	11.183	1.38	17.183	0.57	23.18	0.38
5.200	0.93	11.200	1.38	17.200	0.57	23.20	0.38
5.217	0.93	11.217	1.38	17.217	0.57	23.22	0.38
5.233	0.93	11.233	1.38	17.233	0.57	23.23	0.38
5.250	0.93	11.250	1.38	17.250	0.57	23.25	0.38
5.267	0.93	11.267	1.38	17.267	0.57	23.27	0.38
5.283	0.93	11.283	1.38	17.283	0.57	23.28	0.38
5.300	0.93	11.300	1.38	17.300	0.57	23.30	0.38
5.317	0.93	11.317	1.38	17.317	0.57	23.32	0.38
5.333	0.93	11.333	1.38	17.333	0.57	23.33	0.38
5.350	0.98	11.350	1.32	17.350	0.56	23.35	0.37
5.367	0.98	11.367	1.32	17.367	0.56	23.37	0.37
5.383	0.98	11.383	1.32	17.383	0.56	23.38	0.37
5.400	0.98	11.400	1.32	17.400	0.56	23.40	0.37
5.417	0.98	11.417	1.32	17.417	0.56	23.42	0.37
5.433	0.98	11.433	1.32	17.433	0.56	23.43	0.37
5.450	0.98	11.450	1.32	17.450	0.56	23.45	0.37
5.467	0.98	11.467	1.32	17.467	0.56	23.47	0.37
5.483	0.98	11.483	1.32	17.483	0.56	23.48	0.37
5.500	0.98	11.500	1.32	17.500	0.56	23.50	0.37
5.517	1.04	11.517	1.27	17.517	0.55	23.52	0.37
5.533	1.04	11.533	1.27	17.533	0.55	23.53	0.37
5.550	1.04	11.550	1.27	17.550	0.55	23.55	0.37
5.567	1.04	11.567	1.27	17.567	0.55	23.57	0.37
5.583	1.04	11.583	1.27	17.583	0.55	23.58	0.37
5.600	1.04	11.600	1.27	17.600	0.55	23.60	0.37
5.617	1.04	11.617	1.27	17.617	0.55	23.62	0.37
5.633	1.04	11.633	1.27	17.633	0.55	23.63	0.37
5.650	1.04	11.650	1.27	17.650	0.55	23.65	0.37
5.667	1.05	11.667	1.27	17.667	0.55	23.67	0.37
5.683	1.12	11.683	1.22	17.683	0.55	23.68	0.37
5.700	1.12	11.700	1.22	17.700	0.55	23.70	0.37
5.717	1.12	11.717	1.22	17.717	0.55	23.72	0.37
5.733	1.12	11.733	1.22	17.733	0.55	23.73	0.37
5.750	1.12	11.750	1.22	17.750	0.55	23.75	0.37
5.767	1.12	11.767	1.22	17.767	0.55	23.77	0.37
5.783	1.12	11.783	1.22	17.783	0.55	23.78	0.37
5.800	1.12	11.800	1.22	17.800	0.55	23.80	0.37
5.817	1.12	11.817	1.22	17.817	0.55	23.82	0.37
5.833	1.12	11.833	1.22	17.833	0.55	23.83	0.37
5.850	1.20	11.850	1.18	17.850	0.54	23.85	0.36
5.867	1.20	11.867	1.18	17.867	0.54	23.87	0.36
5.883	1.20	11.883	1.18	17.883	0.54	23.88	0.36
5.900	1.20	11.900	1.18	17.900	0.54	23.90	0.36
5.917	1.20	11.917	1.18	17.917	0.54	23.92	0.36
5.933	1.20	11.933	1.18	17.933	0.54	23.93	0.36
5.950	1.20	11.950	1.18	17.950	0.54	23.95	0.36
5.967	1.20	11.967	1.18	17.967	0.54	23.97	0.36
5.983	1.20	11.983	1.18	17.983	0.54	23.98	0.36
6.000	1.20	12.000	1.18	18.000	0.54	24.00	0.36

Max.Eff.Inten.(mm/hr)=	80.06	61.45	
over (min)	6.00	14.00	
Storage Coeff. (min)=	5.63 (ii)	13.47 (ii)	
Unit Hyd. Tpeak (min)=	6.00	14.00	
Unit Hyd. peak (cms)=	0.20	0.08	
		TOTALS	
PEAK FLOW (cms)=	1.35	0.70	1.839 (iii)
TIME TO PEAK (hrs)=	8.03	8.18	8.05
RUNOFF VOLUME (mm)=	46.69	35.59	41.04
TOTAL RAINFALL (mm)=	47.70	47.70	47.70
RUNOFF COEFFICIENT =	0.98	0.75	0.86

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 94.0 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.

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      V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
      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

       OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
      O   O    T      T    H   H   Y Y   MM MM  O   O
      O   O    T      T    H   H    Y    M M M  O   O
       OOO     T      T    H   H    Y    M   M   OOO
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***** 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\voin.dat

Output filename:
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Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\f84224d5-5430-4893-81af-28446067d191\scenari

DATE: 01-27-2026 TIME: 02:07:39

USER:

COMMENTS: _____

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** SIMULATION : 3 - 5-Year 24hr Chic- Milton **
****

CHICAGO STORM
Ptotal= 67.05 mm

IDF curve parameters: A= 959.000
B= 5.700
C= 0.802
used in: INTENSITY = A / (t + B)^C

Duration of storm = 24.00 hrs
Storm time step = 10.00 min
Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.57	6.00	1.93	12.00	1.70	18.00	0.81
0.17	0.58	6.17	2.10	12.17	1.64	18.17	0.80
0.33	0.59	6.33	2.30	12.33	1.59	18.33	0.79
0.50	0.60	6.50	2.55	12.50	1.55	18.50	0.78
0.67	0.61	6.67	2.88	12.67	1.50	18.67	0.77
0.83	0.63	6.83	3.31	12.83	1.46	18.83	0.76
1.00	0.64	7.00	3.92	13.00	1.42	19.00	0.75
1.17	0.65	7.17	4.85	13.17	1.38	19.17	0.74
1.33	0.67	7.33	6.45	13.33	1.35	19.33	0.73
1.50	0.68	7.50	9.95	13.50	1.31	19.50	0.72
1.67	0.70	7.67	24.45	13.67	1.28	19.67	0.72
1.83	0.71	7.83	105.25	13.83	1.25	19.83	0.71
2.00	0.73	8.00	32.26	14.00	1.23	20.00	0.70
2.17	0.75	8.17	16.67	14.17	1.20	20.17	0.69
2.33	0.76	8.33	11.31	14.33	1.17	20.33	0.69
2.50	0.78	8.50	8.62	14.50	1.15	20.50	0.68
2.67	0.80	8.67	7.00	14.67	1.13	20.67	0.67
2.83	0.83	8.83	5.92	14.83	1.10	20.83	0.66
3.00	0.85	9.00	5.14	15.00	1.08	21.00	0.66
3.17	0.88	9.17	4.56	15.17	1.06	21.17	0.65
3.33	0.90	9.33	4.11	15.33	1.04	21.33	0.64
3.50	0.93	9.50	3.74	15.50	1.02	21.50	0.64
3.67	0.96	9.67	3.44	15.67	1.01	21.67	0.63
3.83	1.00	9.83	3.19	15.83	0.99	21.83	0.62
4.00	1.03	10.00	2.97	16.00	0.97	22.00	0.62
4.17	1.07	10.17	2.79	16.17	0.96	22.17	0.61
4.33	1.11	10.33	2.63	16.33	0.94	22.33	0.61
4.50	1.16	10.50	2.48	16.50	0.92	22.50	0.60
4.67	1.21	10.67	2.36	16.67	0.91	22.67	0.60
4.83	1.27	10.83	2.25	16.83	0.90	22.83	0.59
5.00	1.33	11.00	2.14	17.00	0.88	23.00	0.59
5.17	1.40	11.17	2.05	17.17	0.87	23.17	0.58
5.33	1.48	11.33	1.97	17.33	0.86	23.33	0.57
5.50	1.57	11.50	1.89	17.50	0.85	23.50	0.57
5.67	1.67	11.67	1.82	17.67	0.83	23.67	0.57
5.83	1.79	11.83	1.76	17.83	0.82	23.83	0.56

CALIB STANDHYD (0001) ID= 1 DT= 1.0 min	Area (ha)= 15.57 Total Imp(%)= 49.00 Dir. Conn.(%)= 49.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.63	7.94
Dep. Storage	(mm)=	1.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	322.18	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.57	6.017	1.93	12.017	1.70	18.02	0.81
0.033	0.57	6.033	1.93	12.033	1.70	18.03	0.81
0.050	0.57	6.050	1.93	12.050	1.70	18.05	0.81
0.067	0.57	6.067	1.93	12.067	1.70	18.07	0.81
0.083	0.57	6.083	1.93	12.083	1.70	18.08	0.81
0.100	0.57	6.100	1.93	12.100	1.70	18.10	0.81
0.117	0.57	6.117	1.93	12.117	1.70	18.12	0.81
0.133	0.57	6.133	1.93	12.133	1.70	18.13	0.81
0.150	0.57	6.150	1.93	12.150	1.70	18.15	0.81
0.167	0.57	6.167	1.93	12.167	1.70	18.17	0.81
0.183	0.58	6.183	2.10	12.183	1.64	18.18	0.80
0.200	0.58	6.200	2.10	12.200	1.64	18.20	0.80
0.217	0.58	6.217	2.10	12.217	1.64	18.22	0.80
0.233	0.58	6.233	2.10	12.233	1.64	18.23	0.80
0.250	0.58	6.250	2.10	12.250	1.64	18.25	0.80
0.267	0.58	6.267	2.10	12.267	1.64	18.27	0.80
0.283	0.58	6.283	2.10	12.283	1.64	18.28	0.80
0.300	0.58	6.300	2.10	12.300	1.64	18.30	0.80
0.317	0.58	6.317	2.10	12.317	1.64	18.32	0.80
0.333	0.58	6.333	2.10	12.333	1.64	18.33	0.80
0.350	0.59	6.350	2.30	12.350	1.59	18.35	0.79
0.367	0.59	6.367	2.30	12.367	1.59	18.37	0.79
0.383	0.59	6.383	2.30	12.383	1.59	18.38	0.79
0.400	0.59	6.400	2.30	12.400	1.59	18.40	0.79
0.417	0.59	6.417	2.30	12.417	1.59	18.42	0.79
0.433	0.59	6.433	2.30	12.433	1.59	18.43	0.79
0.450	0.59	6.450	2.30	12.450	1.59	18.45	0.79
0.467	0.59	6.467	2.30	12.467	1.59	18.47	0.79
0.483	0.59	6.483	2.30	12.483	1.59	18.48	0.79
0.500	0.59	6.500	2.30	12.500	1.59	18.50	0.79
0.517	0.60	6.517	2.55	12.517	1.55	18.52	0.78
0.533	0.60	6.533	2.55	12.533	1.55	18.53	0.78
0.550	0.60	6.550	2.55	12.550	1.55	18.55	0.78
0.567	0.60	6.567	2.55	12.567	1.55	18.57	0.78
0.583	0.60	6.583	2.55	12.583	1.55	18.58	0.78
0.600	0.60	6.600	2.55	12.600	1.55	18.60	0.78
0.617	0.60	6.617	2.55	12.617	1.55	18.62	0.78
0.633	0.60	6.633	2.55	12.633	1.55	18.63	0.78
0.650	0.60	6.650	2.55	12.650	1.55	18.65	0.78
0.667	0.60	6.667	2.55	12.667	1.55	18.67	0.78
0.683	0.61	6.683	2.88	12.683	1.50	18.68	0.77
0.700	0.61	6.700	2.88	12.700	1.50	18.70	0.77
0.717	0.61	6.717	2.88	12.717	1.50	18.72	0.77
0.733	0.61	6.733	2.88	12.733	1.50	18.73	0.77
0.750	0.61	6.750	2.88	12.750	1.50	18.75	0.77
0.767	0.61	6.767	2.88	12.767	1.50	18.77	0.77
0.783	0.61	6.783	2.88	12.783	1.50	18.78	0.77
0.800	0.61	6.800	2.88	12.800	1.50	18.80	0.77
0.817	0.61	6.817	2.88	12.817	1.50	18.82	0.77
0.833	0.61	6.833	2.88	12.833	1.50	18.83	0.77
0.850	0.63	6.850	3.31	12.850	1.46	18.85	0.76
0.867	0.63	6.867	3.31	12.867	1.46	18.87	0.76
0.883	0.63	6.883	3.31	12.883	1.46	18.88	0.76
0.900	0.63	6.900	3.31	12.900	1.46	18.90	0.76
0.917	0.63	6.917	3.31	12.917	1.46	18.92	0.76
0.933	0.63	6.933	3.31	12.933	1.46	18.93	0.76
0.950	0.63	6.950	3.31	12.950	1.46	18.95	0.76
0.967	0.63	6.967	3.31	12.967	1.46	18.97	0.76
0.983	0.63	6.983	3.31	12.983	1.46	18.98	0.76
1.000	0.63	7.000	3.31	13.000	1.46	19.00	0.76
1.017	0.64	7.017	3.92	13.017	1.42	19.02	0.75
1.033	0.64	7.033	3.92	13.033	1.42	19.03	0.75
1.050	0.64	7.050	3.92	13.050	1.42	19.05	0.75
1.067	0.64	7.067	3.92	13.067	1.42	19.07	0.75
1.083	0.64	7.083	3.92	13.083	1.42	19.08	0.75
1.100	0.64	7.100	3.92	13.100	1.42	19.10	0.75
1.117	0.64	7.117	3.92	13.117	1.42	19.12	0.75
1.133	0.64	7.133	3.92	13.133	1.42	19.13	0.75
1.150	0.64	7.150	3.92	13.150	1.42	19.15	0.75
1.167	0.64	7.167	3.92	13.167	1.42	19.17	0.75
1.183	0.65	7.183	4.85	13.183	1.38	19.18	0.74
1.200	0.65	7.200	4.85	13.200	1.38	19.20	0.74
1.217	0.65	7.217	4.85	13.217	1.38	19.22	0.74
1.233	0.65	7.233	4.85	13.233	1.38	19.23	0.74
1.250	0.65	7.250	4.85	13.250	1.38	19.25	0.74
1.267	0.65	7.267	4.85	13.267	1.38	19.27	0.74
1.283	0.65	7.283	4.85	13.283	1.38	19.28	0.74
1.300	0.65	7.300	4.85	13.300	1.38	19.30	0.74
1.317	0.65	7.317	4.85	13.317	1.38	19.32	0.74
1.333	0.65	7.333	4.85	13.333	1.38	19.33	0.74
1.350	0.67	7.350	6.45	13.350	1.35	19.35	0.73
1.367	0.67	7.367	6.45	13.367	1.35	19.37	0.73
1.383	0.67	7.383	6.45	13.383	1.35	19.38	0.73
1.400	0.67	7.400	6.45	13.400	1.35	19.40	0.73
1.417	0.67	7.417	6.45	13.417	1.35	19.42	0.73
1.433	0.67	7.433	6.45	13.433	1.35	19.43	0.73
1.450	0.67	7.450	6.45	13.450	1.35	19.45	0.73
1.467	0.67	7.467	6.45	13.467	1.35	19.47	0.73
1.483	0.67	7.483	6.45	13.483	1.35	19.48	0.73
1.500	0.67	7.500	6.46	13.500	1.35	19.50	0.73
1.517	0.68	7.517	9.95	13.517	1.31	19.52	0.72
1.533	0.68	7.533	9.95	13.533	1.31	19.53	0.72
1.550	0.68	7.550	9.95	13.550	1.31	19.55	0.72
1.567	0.68	7.567	9.95	13.567	1.31	19.57	0.72
1.583	0.68	7.583	9.95	13.583	1.31	19.58	0.72
1.600	0.68	7.600	9.95	13.600	1.31	19.60	0.72
1.617	0.68	7.617	9.95	13.617	1.31	19.62	0.72
1.633	0.68	7.633	9.95	13.633	1.31	19.63	0.72
1.650	0.68	7.650	9.95	13.650	1.31	19.65	0.72
1.667	0.68	7.667	9.99	13.667	1.31	19.67	0.72
1.683	0.70	7.683	24.45	13.683	1.28	19.68	0.72
1.700	0.70	7.700	24.45	13.700	1.28	19.70	0.72
1.717	0.70	7.717	24.45	13.717	1.28	19.72	0.72
1.733	0.70	7.733	24.45	13.733	1.28	19.73	0.72
1.750	0.70	7.750	24.45	13.750	1.28	19.75	0.72
1.767	0.70	7.767	24.45	13.767	1.28	19.77	0.72
1.783	0.70	7.783	24.45	13.783	1.28	19.78	0.72
1.800	0.70	7.800	24.45	13.800	1.28	19.80	0.72
1.817	0.70	7.817	24.45	13.817	1.28	19.82	0.72
1.833	0.70	7.833	24.68	13.833	1.28	19.83	0.72
1.850	0.71	7.850	105.25	13.850	1.25	19.85	0.71
1.867	0.71	7.867	105.25	13.867	1.25	19.87	0.71
1.883	0.71	7.883	105.25	13.883	1.25	19.88	0.71
1.900	0.71	7.900	105.25	13.900	1.25	19.90	0.71
1.917	0.71	7.917	105.25	13.917	1.25	19.92	0.71
1.933	0.71	7.933	105.25	13.933	1.25	19.93	0.71
1.950	0.71	7.950	105.25	13.950	1.25	19.95	0.71
1.967	0.71	7.967	105.25	13.967	1.25	19.97	0.71
1.983	0.71	7.983	105.25	13.983	1.25	19.98	0.71
2.000	0.71	8.000	105.04	14.000	1.25	20.00	0.71
2.017	0.73	8.017	32.26	14.017	1.23	20.02	0.70
2.033	0.73	8.033	32.26	14.033	1.23	20.03	0.70
2.050	0.73	8.050	32.26	14.050	1.23	20.05	0.70
2.067	0.73	8.067	32.26	14.067	1.23	20.07	0.70
2.083	0.73	8.083	32.26	14.083	1.23	20.08	0.70
2.100	0.73	8.100	32.26	14.100	1.23	20.10	0.70
2.117	0.73	8.117	32.26	14.117	1.23	20.12	0.70
2.133	0.73	8.133	32.26	14.133	1.23	20.13	0.70

2.150	0.73	8.150	32.26	14.150	1.23	20.15	0.70
2.167	0.73	8.167	32.21	14.167	1.23	20.17	0.70
2.183	0.75	8.183	16.67	14.183	1.20	20.18	0.69
2.200	0.75	8.200	16.67	14.200	1.20	20.20	0.69
2.217	0.75	8.217	16.67	14.217	1.20	20.22	0.69
2.233	0.75	8.233	16.67	14.233	1.20	20.23	0.69
2.250	0.75	8.250	16.67	14.250	1.20	20.25	0.69
2.267	0.75	8.267	16.67	14.267	1.20	20.27	0.69
2.283	0.75	8.283	16.67	14.283	1.20	20.28	0.69
2.300	0.75	8.300	16.67	14.300	1.20	20.30	0.69
2.317	0.75	8.317	16.67	14.317	1.20	20.32	0.69
2.333	0.75	8.333	16.66	14.333	1.20	20.33	0.69
2.350	0.76	8.350	11.31	14.350	1.17	20.35	0.69
2.367	0.76	8.367	11.31	14.367	1.17	20.37	0.69
2.383	0.76	8.383	11.31	14.383	1.17	20.38	0.69
2.400	0.76	8.400	11.31	14.400	1.17	20.40	0.69
2.417	0.76	8.417	11.31	14.417	1.17	20.42	0.69
2.433	0.76	8.433	11.31	14.433	1.17	20.43	0.69
2.450	0.76	8.450	11.31	14.450	1.17	20.45	0.69
2.467	0.76	8.467	11.31	14.467	1.17	20.47	0.69
2.483	0.76	8.483	11.31	14.483	1.17	20.48	0.69
2.500	0.76	8.500	11.30	14.500	1.17	20.50	0.69
2.517	0.78	8.517	8.62	14.517	1.15	20.52	0.68
2.533	0.78	8.533	8.62	14.533	1.15	20.53	0.68
2.550	0.78	8.550	8.62	14.550	1.15	20.55	0.68
2.567	0.78	8.567	8.62	14.567	1.15	20.57	0.68
2.583	0.78	8.583	8.62	14.583	1.15	20.58	0.68
2.600	0.78	8.600	8.62	14.600	1.15	20.60	0.68
2.617	0.78	8.617	8.62	14.617	1.15	20.62	0.68
2.633	0.78	8.633	8.62	14.633	1.15	20.63	0.68
2.650	0.78	8.650	8.62	14.650	1.15	20.65	0.68
2.667	0.78	8.667	8.61	14.667	1.15	20.67	0.68
2.683	0.80	8.683	7.00	14.683	1.13	20.68	0.67
2.700	0.80	8.700	7.00	14.700	1.13	20.70	0.67
2.717	0.80	8.717	7.00	14.717	1.13	20.72	0.67
2.733	0.80	8.733	7.00	14.733	1.13	20.73	0.67
2.750	0.80	8.750	7.00	14.750	1.13	20.75	0.67
2.767	0.80	8.767	7.00	14.767	1.13	20.77	0.67
2.783	0.80	8.783	7.00	14.783	1.13	20.78	0.67
2.800	0.80	8.800	7.00	14.800	1.13	20.80	0.67
2.817	0.80	8.817	7.00	14.817	1.13	20.82	0.67
2.833	0.80	8.833	7.00	14.833	1.13	20.83	0.67
2.850	0.83	8.850	5.92	14.850	1.10	20.85	0.66
2.867	0.83	8.867	5.92	14.867	1.10	20.87	0.66
2.883	0.83	8.883	5.92	14.883	1.10	20.88	0.66
2.900	0.83	8.900	5.92	14.900	1.10	20.90	0.66
2.917	0.83	8.917	5.92	14.917	1.10	20.92	0.66
2.933	0.83	8.933	5.92	14.933	1.10	20.93	0.66
2.950	0.83	8.950	5.92	14.950	1.10	20.95	0.66
2.967	0.83	8.967	5.92	14.967	1.10	20.97	0.66

2.983	0.83	8.983	5.92	14.983	1.10	20.98	0.66
3.000	0.83	9.000	5.92	15.000	1.10	21.00	0.66
3.017	0.85	9.017	5.14	15.017	1.08	21.02	0.66
3.033	0.85	9.033	5.14	15.033	1.08	21.03	0.66
3.050	0.85	9.050	5.14	15.050	1.08	21.05	0.66
3.067	0.85	9.067	5.14	15.067	1.08	21.07	0.66
3.083	0.85	9.083	5.14	15.083	1.08	21.08	0.66
3.100	0.85	9.100	5.14	15.100	1.08	21.10	0.66
3.117	0.85	9.117	5.14	15.117	1.08	21.12	0.66
3.133	0.85	9.133	5.14	15.133	1.08	21.13	0.66
3.150	0.85	9.150	5.14	15.150	1.08	21.15	0.66
3.167	0.85	9.167	5.14	15.167	1.08	21.17	0.66
3.183	0.88	9.183	4.56	15.183	1.06	21.18	0.65
3.200	0.88	9.200	4.56	15.200	1.06	21.20	0.65
3.217	0.88	9.217	4.56	15.217	1.06	21.22	0.65
3.233	0.88	9.233	4.56	15.233	1.06	21.23	0.65
3.250	0.88	9.250	4.56	15.250	1.06	21.25	0.65
3.267	0.88	9.267	4.56	15.267	1.06	21.27	0.65
3.283	0.88	9.283	4.56	15.283	1.06	21.28	0.65
3.300	0.88	9.300	4.56	15.300	1.06	21.30	0.65
3.317	0.88	9.317	4.56	15.317	1.06	21.32	0.65
3.333	0.88	9.333	4.56	15.333	1.06	21.33	0.65
3.350	0.90	9.350	4.11	15.350	1.04	21.35	0.64
3.367	0.90	9.367	4.11	15.367	1.04	21.37	0.64
3.383	0.90	9.383	4.11	15.383	1.04	21.38	0.64
3.400	0.90	9.400	4.11	15.400	1.04	21.40	0.64
3.417	0.90	9.417	4.11	15.417	1.04	21.42	0.64
3.433	0.90	9.433	4.11	15.433	1.04	21.43	0.64
3.450	0.90	9.450	4.11	15.450	1.04	21.45	0.64
3.467	0.90	9.467	4.11	15.467	1.04	21.47	0.64
3.483	0.90	9.483	4.11	15.483	1.04	21.48	0.64
3.500	0.90	9.500	4.10	15.500	1.04	21.50	0.64
3.517	0.93	9.517	3.74	15.517	1.02	21.52	0.64
3.533	0.93	9.533	3.74	15.533	1.02	21.53	0.64
3.550	0.93	9.550	3.74	15.550	1.02	21.55	0.64
3.567	0.93	9.567	3.74	15.567	1.02	21.57	0.64
3.583	0.93	9.583	3.74	15.583	1.02	21.58	0.64
3.600	0.93	9.600	3.74	15.600	1.02	21.60	0.64
3.617	0.93	9.617	3.74	15.617	1.02	21.62	0.64
3.633	0.93	9.633	3.74	15.633	1.02	21.63	0.64
3.650	0.93	9.650	3.74	15.650	1.02	21.65	0.64
3.667	0.93	9.667	3.74	15.667	1.02	21.67	0.64
3.683	0.96	9.683	3.44	15.683	1.01	21.68	0.63
3.700	0.96	9.700	3.44	15.700	1.01	21.70	0.63
3.717	0.96	9.717	3.44	15.717	1.01	21.72	0.63
3.733	0.96	9.733	3.44	15.733	1.01	21.73	0.63
3.750	0.96	9.750	3.44	15.750	1.01	21.75	0.63
3.767	0.96	9.767	3.44	15.767	1.01	21.77	0.63
3.783	0.96	9.783	3.44	15.783	1.01	21.78	0.63
3.800	0.96	9.800	3.44	15.800	1.01	21.80	0.63

3.817	0.96	9.817	3.44	15.817	1.01	21.82	0.63
3.833	0.96	9.833	3.44	15.833	1.01	21.83	0.63
3.850	1.00	9.850	3.19	15.850	0.99	21.85	0.62
3.867	1.00	9.867	3.19	15.867	0.99	21.87	0.62
3.883	1.00	9.883	3.19	15.883	0.99	21.88	0.62
3.900	1.00	9.900	3.19	15.900	0.99	21.90	0.62
3.917	1.00	9.917	3.19	15.917	0.99	21.92	0.62
3.933	1.00	9.933	3.19	15.933	0.99	21.93	0.62
3.950	1.00	9.950	3.19	15.950	0.99	21.95	0.62
3.967	1.00	9.967	3.19	15.967	0.99	21.97	0.62
3.983	1.00	9.983	3.19	15.983	0.99	21.98	0.62
4.000	1.00	10.000	3.19	16.000	0.99	22.00	0.62
4.017	1.03	10.017	2.97	16.017	0.97	22.02	0.62
4.033	1.03	10.033	2.97	16.033	0.97	22.03	0.62
4.050	1.03	10.050	2.97	16.050	0.97	22.05	0.62
4.067	1.03	10.067	2.97	16.067	0.97	22.07	0.62
4.083	1.03	10.083	2.97	16.083	0.97	22.08	0.62
4.100	1.03	10.100	2.97	16.100	0.97	22.10	0.62
4.117	1.03	10.117	2.97	16.117	0.97	22.12	0.62
4.133	1.03	10.133	2.97	16.133	0.97	22.13	0.62
4.150	1.03	10.150	2.97	16.150	0.97	22.15	0.62
4.167	1.03	10.167	2.97	16.167	0.97	22.17	0.62
4.183	1.07	10.183	2.79	16.183	0.96	22.18	0.61
4.200	1.07	10.200	2.79	16.200	0.96	22.20	0.61
4.217	1.07	10.217	2.79	16.217	0.96	22.22	0.61
4.233	1.07	10.233	2.79	16.233	0.96	22.23	0.61
4.250	1.07	10.250	2.79	16.250	0.96	22.25	0.61
4.267	1.07	10.267	2.79	16.267	0.96	22.27	0.61
4.283	1.07	10.283	2.79	16.283	0.96	22.28	0.61
4.300	1.07	10.300	2.79	16.300	0.96	22.30	0.61
4.317	1.07	10.317	2.79	16.317	0.96	22.32	0.61
4.333	1.07	10.333	2.79	16.333	0.96	22.33	0.61
4.350	1.11	10.350	2.63	16.350	0.94	22.35	0.61
4.367	1.11	10.367	2.63	16.367	0.94	22.37	0.61
4.383	1.11	10.383	2.63	16.383	0.94	22.38	0.61
4.400	1.11	10.400	2.63	16.400	0.94	22.40	0.61
4.417	1.11	10.417	2.63	16.417	0.94	22.42	0.61
4.433	1.11	10.433	2.63	16.433	0.94	22.43	0.61
4.450	1.11	10.450	2.63	16.450	0.94	22.45	0.61
4.467	1.11	10.467	2.63	16.467	0.94	22.47	0.61
4.483	1.11	10.483	2.63	16.483	0.94	22.48	0.61
4.500	1.11	10.500	2.62	16.500	0.94	22.50	0.61
4.517	1.16	10.517	2.48	16.517	0.92	22.52	0.60
4.533	1.16	10.533	2.48	16.533	0.92	22.53	0.60
4.550	1.16	10.550	2.48	16.550	0.92	22.55	0.60
4.567	1.16	10.567	2.48	16.567	0.92	22.57	0.60
4.583	1.16	10.583	2.48	16.583	0.92	22.58	0.60
4.600	1.16	10.600	2.48	16.600	0.92	22.60	0.60
4.617	1.16	10.617	2.48	16.617	0.92	22.62	0.60
4.633	1.16	10.633	2.48	16.633	0.92	22.63	0.60

4.650	1.16	10.650	2.48	16.650	0.92	22.65	0.60
4.667	1.16	10.667	2.48	16.667	0.92	22.67	0.60
4.683	1.21	10.683	2.36	16.683	0.91	22.68	0.60
4.700	1.21	10.700	2.36	16.700	0.91	22.70	0.60
4.717	1.21	10.717	2.36	16.717	0.91	22.72	0.60
4.733	1.21	10.733	2.36	16.733	0.91	22.73	0.60
4.750	1.21	10.750	2.36	16.750	0.91	22.75	0.60
4.767	1.21	10.767	2.36	16.767	0.91	22.77	0.60
4.783	1.21	10.783	2.36	16.783	0.91	22.78	0.60
4.800	1.21	10.800	2.36	16.800	0.91	22.80	0.60
4.817	1.21	10.817	2.36	16.817	0.91	22.82	0.60
4.833	1.21	10.833	2.36	16.833	0.91	22.83	0.60
4.850	1.27	10.850	2.25	16.850	0.90	22.85	0.59
4.867	1.27	10.867	2.25	16.867	0.90	22.87	0.59
4.883	1.27	10.883	2.25	16.883	0.90	22.88	0.59
4.900	1.27	10.900	2.25	16.900	0.90	22.90	0.59
4.917	1.27	10.917	2.25	16.917	0.90	22.92	0.59
4.933	1.27	10.933	2.25	16.933	0.90	22.93	0.59
4.950	1.27	10.950	2.25	16.950	0.90	22.95	0.59
4.967	1.27	10.967	2.25	16.967	0.90	22.97	0.59
4.983	1.27	10.983	2.25	16.983	0.90	22.98	0.59
5.000	1.27	11.000	2.25	17.000	0.90	23.00	0.59
5.017	1.33	11.017	2.14	17.017	0.88	23.02	0.59
5.033	1.33	11.033	2.14	17.033	0.88	23.03	0.59
5.050	1.33	11.050	2.14	17.050	0.88	23.05	0.59
5.067	1.33	11.067	2.14	17.067	0.88	23.07	0.59
5.083	1.33	11.083	2.14	17.083	0.88	23.08	0.59
5.100	1.33	11.100	2.14	17.100	0.88	23.10	0.59
5.117	1.33	11.117	2.14	17.117	0.88	23.12	0.59
5.133	1.33	11.133	2.14	17.133	0.88	23.13	0.59
5.150	1.33	11.150	2.14	17.150	0.88	23.15	0.59
5.167	1.33	11.167	2.14	17.167	0.88	23.17	0.59
5.183	1.40	11.183	2.05	17.183	0.87	23.18	0.58
5.200	1.40	11.200	2.05	17.200	0.87	23.20	0.58
5.217	1.40	11.217	2.05	17.217	0.87	23.22	0.58
5.233	1.40	11.233	2.05	17.233	0.87	23.23	0.58
5.250	1.40	11.250	2.05	17.250	0.87	23.25	0.58
5.267	1.40	11.267	2.05	17.267	0.87	23.27	0.58
5.283	1.40	11.283	2.05	17.283	0.87	23.28	0.58
5.300	1.40	11.300	2.05	17.300	0.87	23.30	0.58
5.317	1.40	11.317	2.05	17.317	0.87	23.32	0.58
5.333	1.40	11.333	2.05	17.333	0.87	23.33	0.58
5.350	1.48	11.350	1.97	17.350	0.86	23.35	0.57
5.367	1.48	11.367	1.97	17.367	0.86	23.37	0.57
5.383	1.48	11.383	1.97	17.383	0.86	23.38	0.57
5.400	1.48	11.400	1.97	17.400	0.86	23.40	0.57
5.417	1.48	11.417	1.97	17.417	0.86	23.42	0.57
5.433	1.48	11.433	1.97	17.433	0.86	23.43	0.57
5.450	1.48	11.450	1.97	17.450	0.86	23.45	0.57
5.467	1.48	11.467	1.97	17.467	0.86	23.47	0.57

5.483	1.48	11.483	1.97	17.483	0.86	23.48	0.57
5.500	1.48	11.500	1.97	17.500	0.86	23.50	0.57
5.517	1.57	11.517	1.89	17.517	0.85	23.52	0.57
5.533	1.57	11.533	1.89	17.533	0.85	23.53	0.57
5.550	1.57	11.550	1.89	17.550	0.85	23.55	0.57
5.567	1.57	11.567	1.89	17.567	0.85	23.57	0.57
5.583	1.57	11.583	1.89	17.583	0.85	23.58	0.57
5.600	1.57	11.600	1.89	17.600	0.85	23.60	0.57
5.617	1.57	11.617	1.89	17.617	0.85	23.62	0.57
5.633	1.57	11.633	1.89	17.633	0.85	23.63	0.57
5.650	1.57	11.650	1.89	17.650	0.85	23.65	0.57
5.667	1.57	11.667	1.89	17.667	0.85	23.67	0.57
5.683	1.67	11.683	1.82	17.683	0.83	23.68	0.57
5.700	1.67	11.700	1.82	17.700	0.83	23.70	0.57
5.717	1.67	11.717	1.82	17.717	0.83	23.72	0.57
5.733	1.67	11.733	1.82	17.733	0.83	23.73	0.57
5.750	1.67	11.750	1.82	17.750	0.83	23.75	0.57
5.767	1.67	11.767	1.82	17.767	0.83	23.77	0.57
5.783	1.67	11.783	1.82	17.783	0.83	23.78	0.57
5.800	1.67	11.800	1.82	17.800	0.83	23.80	0.57
5.817	1.67	11.817	1.82	17.817	0.83	23.82	0.57
5.833	1.67	11.833	1.82	17.833	0.83	23.83	0.57
5.850	1.79	11.850	1.76	17.850	0.82	23.85	0.56
5.867	1.79	11.867	1.76	17.867	0.82	23.87	0.56
5.883	1.79	11.883	1.76	17.883	0.82	23.88	0.56
5.900	1.79	11.900	1.76	17.900	0.82	23.90	0.56
5.917	1.79	11.917	1.76	17.917	0.82	23.92	0.56
5.933	1.79	11.933	1.76	17.933	0.82	23.93	0.56
5.950	1.79	11.950	1.76	17.950	0.82	23.95	0.56
5.967	1.79	11.967	1.76	17.967	0.82	23.97	0.56
5.983	1.79	11.983	1.76	17.983	0.82	23.98	0.56
6.000	1.79	12.000	1.76	18.000	0.82	24.00	0.56

Max.Eff.Inten.(mm/hr)=	105.25	54.30	
over (min)	5.00	13.00	
Storage Coeff. (min)=	5.05 (ii)	12.08 (ii)	
Unit Hyd. Tpeak (min)=	5.00	13.00	
Unit Hyd. peak (cms)=	0.22	0.09	
			TOTALS
PEAK FLOW (cms)=	1.87	0.66	2.277 (iii)
TIME TO PEAK (hrs)=	8.02	8.17	8.03
RUNOFF VOLUME (mm)=	66.04	36.01	50.73
TOTAL RAINFALL (mm)=	67.05	67.05	67.05
RUNOFF COEFFICIENT =	0.98	0.54	0.76

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

CALIB			
STANDHYD (0002)	Area (ha)=	15.57	
ID= 1 DT= 1.0 min	Total Imp(%)=	49.00	Dir. Conn.(%)= 49.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.63	7.94
Dep. Storage	(mm)=	1.00	0.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	322.18	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.57	6.017	1.93	12.017	1.70	18.02	0.81
0.033	0.57	6.033	1.93	12.033	1.70	18.03	0.81
0.050	0.57	6.050	1.93	12.050	1.70	18.05	0.81
0.067	0.57	6.067	1.93	12.067	1.70	18.07	0.81
0.083	0.57	6.083	1.93	12.083	1.70	18.08	0.81
0.100	0.57	6.100	1.93	12.100	1.70	18.10	0.81
0.117	0.57	6.117	1.93	12.117	1.70	18.12	0.81
0.133	0.57	6.133	1.93	12.133	1.70	18.13	0.81
0.150	0.57	6.150	1.93	12.150	1.70	18.15	0.81
0.167	0.57	6.167	1.93	12.167	1.70	18.17	0.81
0.183	0.58	6.183	2.10	12.183	1.64	18.18	0.80
0.200	0.58	6.200	2.10	12.200	1.64	18.20	0.80
0.217	0.58	6.217	2.10	12.217	1.64	18.22	0.80
0.233	0.58	6.233	2.10	12.233	1.64	18.23	0.80
0.250	0.58	6.250	2.10	12.250	1.64	18.25	0.80
0.267	0.58	6.267	2.10	12.267	1.64	18.27	0.80
0.283	0.58	6.283	2.10	12.283	1.64	18.28	0.80
0.300	0.58	6.300	2.10	12.300	1.64	18.30	0.80
0.317	0.58	6.317	2.10	12.317	1.64	18.32	0.80
0.333	0.58	6.333	2.10	12.333	1.64	18.33	0.80
0.350	0.59	6.350	2.30	12.350	1.59	18.35	0.79
0.367	0.59	6.367	2.30	12.367	1.59	18.37	0.79
0.383	0.59	6.383	2.30	12.383	1.59	18.38	0.79
0.400	0.59	6.400	2.30	12.400	1.59	18.40	0.79
0.417	0.59	6.417	2.30	12.417	1.59	18.42	0.79
0.433	0.59	6.433	2.30	12.433	1.59	18.43	0.79
0.450	0.59	6.450	2.30	12.450	1.59	18.45	0.79
0.467	0.59	6.467	2.30	12.467	1.59	18.47	0.79
0.483	0.59	6.483	2.30	12.483	1.59	18.48	0.79
0.500	0.59	6.500	2.30	12.500	1.59	18.50	0.79
0.517	0.60	6.517	2.55	12.517	1.55	18.52	0.78
0.533	0.60	6.533	2.55	12.533	1.55	18.53	0.78
0.550	0.60	6.550	2.55	12.550	1.55	18.55	0.78
0.567	0.60	6.567	2.55	12.567	1.55	18.57	0.78
0.583	0.60	6.583	2.55	12.583	1.55	18.58	0.78
0.600	0.60	6.600	2.55	12.600	1.55	18.60	0.78
0.617	0.60	6.617	2.55	12.617	1.55	18.62	0.78
0.633	0.60	6.633	2.55	12.633	1.55	18.63	0.78
0.650	0.60	6.650	2.55	12.650	1.55	18.65	0.78
0.667	0.60	6.667	2.55	12.667	1.55	18.67	0.78
0.683	0.61	6.683	2.88	12.683	1.50	18.68	0.77
0.700	0.61	6.700	2.88	12.700	1.50	18.70	0.77
0.717	0.61	6.717	2.88	12.717	1.50	18.72	0.77
0.733	0.61	6.733	2.88	12.733	1.50	18.73	0.77
0.750	0.61	6.750	2.88	12.750	1.50	18.75	0.77
0.767	0.61	6.767	2.88	12.767	1.50	18.77	0.77
0.783	0.61	6.783	2.88	12.783	1.50	18.78	0.77
0.800	0.61	6.800	2.88	12.800	1.50	18.80	0.77
0.817	0.61	6.817	2.88	12.817	1.50	18.82	0.77
0.833	0.61	6.833	2.88	12.833	1.50	18.83	0.77
0.850	0.63	6.850	3.31	12.850	1.46	18.85	0.76
0.867	0.63	6.867	3.31	12.867	1.46	18.87	0.76
0.883	0.63	6.883	3.31	12.883	1.46	18.88	0.76
0.900	0.63	6.900	3.31	12.900	1.46	18.90	0.76
0.917	0.63	6.917	3.31	12.917	1.46	18.92	0.76
0.933	0.63	6.933	3.31	12.933	1.46	18.93	0.76
0.950	0.63	6.950	3.31	12.950	1.46	18.95	0.76
0.967	0.63	6.967	3.31	12.967	1.46	18.97	0.76
0.983	0.63	6.983	3.31	12.983	1.46	18.98	0.76
1.000	0.63	7.000	3.31	13.000	1.46	19.00	0.76
1.017	0.64	7.017	3.92	13.017	1.42	19.02	0.75
1.033	0.64	7.033	3.92	13.033	1.42	19.03	0.75
1.050	0.64	7.050	3.92	13.050	1.42	19.05	0.75
1.067	0.64	7.067	3.92	13.067	1.42	19.07	0.75
1.083	0.64	7.083	3.92	13.083	1.42	19.08	0.75
1.100	0.64	7.100	3.92	13.100	1.42	19.10	0.75
1.117	0.64	7.117	3.92	13.117	1.42	19.12	0.75
1.133	0.64	7.133	3.92	13.133	1.42	19.13	0.75
1.150	0.64	7.150	3.92	13.150	1.42	19.15	0.75
1.167	0.64	7.167	3.92	13.167	1.42	19.17	0.75
1.183	0.65	7.183	4.85	13.183	1.38	19.18	0.74
1.200	0.65	7.200	4.85	13.200	1.38	19.20	0.74
1.217	0.65	7.217	4.85	13.217	1.38	19.22	0.74
1.233	0.65	7.233	4.85	13.233	1.38	19.23	0.74
1.250	0.65	7.250	4.85	13.250	1.38	19.25	0.74
1.267	0.65	7.267	4.85	13.267	1.38	19.27	0.74
1.283	0.65	7.283	4.85	13.283	1.38	19.28	0.74
1.300	0.65	7.300	4.85	13.300	1.38	19.30	0.74
1.317	0.65	7.317	4.85	13.317	1.38	19.32	0.74
1.333	0.65	7.333	4.85	13.333	1.38	19.33	0.74
1.350	0.67	7.350	6.45	13.350	1.35	19.35	0.73
1.367	0.67	7.367	6.45	13.367	1.35	19.37	0.73
1.383	0.67	7.383	6.45	13.383	1.35	19.38	0.73
1.400	0.67	7.400	6.45	13.400	1.35	19.40	0.73
1.417	0.67	7.417	6.45	13.417	1.35	19.42	0.73
1.433	0.67	7.433	6.45	13.433	1.35	19.43	0.73
1.450	0.67	7.450	6.45	13.450	1.35	19.45	0.73
1.467	0.67	7.467	6.45	13.467	1.35	19.47	0.73
1.483	0.67	7.483	6.45	13.483	1.35	19.48	0.73
1.500	0.67	7.500	6.46	13.500	1.35	19.50	0.73
1.517	0.68	7.517	9.95	13.517	1.31	19.52	0.72
1.533	0.68	7.533	9.95	13.533	1.31	19.53	0.72
1.550	0.68	7.550	9.95	13.550	1.31	19.55	0.72
1.567	0.68	7.567	9.95	13.567	1.31	19.57	0.72
1.583	0.68	7.583	9.95	13.583	1.31	19.58	0.72
1.600	0.68	7.600	9.95	13.600	1.31	19.60	0.72
1.617	0.68	7.617	9.95	13.617	1.31	19.62	0.72
1.633	0.68	7.633	9.95	13.633	1.31	19.63	0.72
1.650	0.68	7.650	9.95	13.650	1.31	19.65	0.72
1.667	0.68	7.667	9.99	13.667	1.31	19.67	0.72
1.683	0.70	7.683	24.45	13.683	1.28	19.68	0.72
1.700	0.70	7.700	24.45	13.700	1.28	19.70	0.72
1.717	0.70	7.717	24.45	13.717	1.28	19.72	0.72
1.733	0.70	7.733	24.45	13.733	1.28	19.73	0.72
1.750	0.70	7.750	24.45	13.750	1.28	19.75	0.72
1.767	0.70	7.767	24.45	13.767	1.28	19.77	0.72
1.783	0.70	7.783	24.45	13.783	1.28	19.78	0.72
1.800	0.70	7.800	24.45	13.800	1.28	19.80	0.72
1.817	0.70	7.817	24.45	13.817	1.28	19.82	0.72
1.833	0.70	7.833	24.68	13.833	1.28	19.83	0.72
1.850	0.71	7.850	105.25	13.850	1.25	19.85	0.71
1.867	0.71	7.867	105.25	13.867	1.25	19.87	0.71
1.883	0.71	7.883	105.25	13.883	1.25	19.88	0.71
1.900	0.71	7.900	105.25	13.900	1.25	19.90	0.71
1.917	0.71	7.917	105.25	13.917	1.25	19.92	0.71
1.933	0.71	7.933	105.25	13.933	1.25	19.93	0.71
1.950	0.71	7.950	105.25	13.950	1.25	19.95	0.71
1.967	0.71	7.967	105.25	13.967	1.25	19.97	0.71
1.983	0.71	7.983	105.25	13.983	1.25	19.98	0.71
2.000	0.71	8.000	105.04	14.000	1.25	20.00	0.71
2.017	0.73	8.017	32.26	14.017	1.23	20.02	0.70
2.033	0.73	8.033	32.26	14.033	1.23	20.03	0.70
2.050	0.73	8.050	32.26	14.050	1.23	20.05	0.70
2.067	0.73	8.067	32.26	14.067	1.23	20.07	0.70
2.083	0.73	8.083	32.26	14.083	1.23	20.08	0.70
2.100	0.73	8.100	32.26	14.100	1.23	20.10	0.70
2.117	0.73	8.117	32.26	14.117	1.23	20.12	0.70
2.133	0.73	8.133	32.26	14.133	1.23	20.13	0.70
2.150	0.73	8.150	32.26	14.150	1.23	20.15	0.70

2.167	0.73	8.167	32.21	14.167	1.23	20.17	0.70
2.183	0.75	8.183	16.67	14.183	1.20	20.18	0.69
2.200	0.75	8.200	16.67	14.200	1.20	20.20	0.69
2.217	0.75	8.217	16.67	14.217	1.20	20.22	0.69
2.233	0.75	8.233	16.67	14.233	1.20	20.23	0.69
2.250	0.75	8.250	16.67	14.250	1.20	20.25	0.69
2.267	0.75	8.267	16.67	14.267	1.20	20.27	0.69
2.283	0.75	8.283	16.67	14.283	1.20	20.28	0.69
2.300	0.75	8.300	16.67	14.300	1.20	20.30	0.69
2.317	0.75	8.317	16.67	14.317	1.20	20.32	0.69
2.333	0.75	8.333	16.66	14.333	1.20	20.33	0.69
2.350	0.76	8.350	11.31	14.350	1.17	20.35	0.69
2.367	0.76	8.367	11.31	14.367	1.17	20.37	0.69
2.383	0.76	8.383	11.31	14.383	1.17	20.38	0.69
2.400	0.76	8.400	11.31	14.400	1.17	20.40	0.69
2.417	0.76	8.417	11.31	14.417	1.17	20.42	0.69
2.433	0.76	8.433	11.31	14.433	1.17	20.43	0.69
2.450	0.76	8.450	11.31	14.450	1.17	20.45	0.69
2.467	0.76	8.467	11.31	14.467	1.17	20.47	0.69
2.483	0.76	8.483	11.31	14.483	1.17	20.48	0.69
2.500	0.76	8.500	11.30	14.500	1.17	20.50	0.69
2.517	0.78	8.517	8.62	14.517	1.15	20.52	0.68
2.533	0.78	8.533	8.62	14.533	1.15	20.53	0.68
2.550	0.78	8.550	8.62	14.550	1.15	20.55	0.68
2.567	0.78	8.567	8.62	14.567	1.15	20.57	0.68
2.583	0.78	8.583	8.62	14.583	1.15	20.58	0.68
2.600	0.78	8.600	8.62	14.600	1.15	20.60	0.68
2.617	0.78	8.617	8.62	14.617	1.15	20.62	0.68
2.633	0.78	8.633	8.62	14.633	1.15	20.63	0.68
2.650	0.78	8.650	8.62	14.650	1.15	20.65	0.68
2.667	0.78	8.667	8.61	14.667	1.15	20.67	0.68
2.683	0.80	8.683	7.00	14.683	1.13	20.68	0.67
2.700	0.80	8.700	7.00	14.700	1.13	20.70	0.67
2.717	0.80	8.717	7.00	14.717	1.13	20.72	0.67
2.733	0.80	8.733	7.00	14.733	1.13	20.73	0.67
2.750	0.80	8.750	7.00	14.750	1.13	20.75	0.67
2.767	0.80	8.767	7.00	14.767	1.13	20.77	0.67
2.783	0.80	8.783	7.00	14.783	1.13	20.78	0.67
2.800	0.80	8.800	7.00	14.800	1.13	20.80	0.67
2.817	0.80	8.817	7.00	14.817	1.13	20.82	0.67
2.833	0.80	8.833	7.00	14.833	1.13	20.83	0.67
2.850	0.83	8.850	5.92	14.850	1.10	20.85	0.66
2.867	0.83	8.867	5.92	14.867	1.10	20.87	0.66
2.883	0.83	8.883	5.92	14.883	1.10	20.88	0.66
2.900	0.83	8.900	5.92	14.900	1.10	20.90	0.66
2.917	0.83	8.917	5.92	14.917	1.10	20.92	0.66
2.933	0.83	8.933	5.92	14.933	1.10	20.93	0.66
2.950	0.83	8.950	5.92	14.950	1.10	20.95	0.66
2.967	0.83	8.967	5.92	14.967	1.10	20.97	0.66
2.983	0.83	8.983	5.92	14.983	1.10	20.98	0.66

3.000	0.83	9.000	5.92	15.000	1.10	21.00	0.66
3.017	0.85	9.017	5.14	15.017	1.08	21.02	0.66
3.033	0.85	9.033	5.14	15.033	1.08	21.03	0.66
3.050	0.85	9.050	5.14	15.050	1.08	21.05	0.66
3.067	0.85	9.067	5.14	15.067	1.08	21.07	0.66
3.083	0.85	9.083	5.14	15.083	1.08	21.08	0.66
3.100	0.85	9.100	5.14	15.100	1.08	21.10	0.66
3.117	0.85	9.117	5.14	15.117	1.08	21.12	0.66
3.133	0.85	9.133	5.14	15.133	1.08	21.13	0.66
3.150	0.85	9.150	5.14	15.150	1.08	21.15	0.66
3.167	0.85	9.167	5.14	15.167	1.08	21.17	0.66
3.183	0.88	9.183	4.56	15.183	1.06	21.18	0.65
3.200	0.88	9.200	4.56	15.200	1.06	21.20	0.65
3.217	0.88	9.217	4.56	15.217	1.06	21.22	0.65
3.233	0.88	9.233	4.56	15.233	1.06	21.23	0.65
3.250	0.88	9.250	4.56	15.250	1.06	21.25	0.65
3.267	0.88	9.267	4.56	15.267	1.06	21.27	0.65
3.283	0.88	9.283	4.56	15.283	1.06	21.28	0.65
3.300	0.88	9.300	4.56	15.300	1.06	21.30	0.65
3.317	0.88	9.317	4.56	15.317	1.06	21.32	0.65
3.333	0.88	9.333	4.56	15.333	1.06	21.33	0.65
3.350	0.90	9.350	4.11	15.350	1.04	21.35	0.64
3.367	0.90	9.367	4.11	15.367	1.04	21.37	0.64
3.383	0.90	9.383	4.11	15.383	1.04	21.38	0.64
3.400	0.90	9.400	4.11	15.400	1.04	21.40	0.64
3.417	0.90	9.417	4.11	15.417	1.04	21.42	0.64
3.433	0.90	9.433	4.11	15.433	1.04	21.43	0.64
3.450	0.90	9.450	4.11	15.450	1.04	21.45	0.64
3.467	0.90	9.467	4.11	15.467	1.04	21.47	0.64
3.483	0.90	9.483	4.11	15.483	1.04	21.48	0.64
3.500	0.90	9.500	4.10	15.500	1.04	21.50	0.64
3.517	0.93	9.517	3.74	15.517	1.02	21.52	0.64
3.533	0.93	9.533	3.74	15.533	1.02	21.53	0.64
3.550	0.93	9.550	3.74	15.550	1.02	21.55	0.64
3.567	0.93	9.567	3.74	15.567	1.02	21.57	0.64
3.583	0.93	9.583	3.74	15.583	1.02	21.58	0.64
3.600	0.93	9.600	3.74	15.600	1.02	21.60	0.64
3.617	0.93	9.617	3.74	15.617	1.02	21.62	0.64
3.633	0.93	9.633	3.74	15.633	1.02	21.63	0.64
3.650	0.93	9.650	3.74	15.650	1.02	21.65	0.64
3.667	0.93	9.667	3.74	15.667	1.02	21.67	0.64
3.683	0.96	9.683	3.44	15.683	1.01	21.68	0.63
3.700	0.96	9.700	3.44	15.700	1.01	21.70	0.63
3.717	0.96	9.717	3.44	15.717	1.01	21.72	0.63
3.733	0.96	9.733	3.44	15.733	1.01	21.73	0.63
3.750	0.96	9.750	3.44	15.750	1.01	21.75	0.63
3.767	0.96	9.767	3.44	15.767	1.01	21.77	0.63
3.783	0.96	9.783	3.44	15.783	1.01	21.78	0.63
3.800	0.96	9.800	3.44	15.800	1.01	21.80	0.63
3.817	0.96	9.817	3.44	15.817	1.01	21.82	0.63

3.833	0.96	9.833	3.44	15.833	1.01	21.83	0.63
3.850	1.00	9.850	3.19	15.850	0.99	21.85	0.62
3.867	1.00	9.867	3.19	15.867	0.99	21.87	0.62
3.883	1.00	9.883	3.19	15.883	0.99	21.88	0.62
3.900	1.00	9.900	3.19	15.900	0.99	21.90	0.62
3.917	1.00	9.917	3.19	15.917	0.99	21.92	0.62
3.933	1.00	9.933	3.19	15.933	0.99	21.93	0.62
3.950	1.00	9.950	3.19	15.950	0.99	21.95	0.62
3.967	1.00	9.967	3.19	15.967	0.99	21.97	0.62
3.983	1.00	9.983	3.19	15.983	0.99	21.98	0.62
4.000	1.00	10.000	3.19	16.000	0.99	22.00	0.62
4.017	1.03	10.017	2.97	16.017	0.97	22.02	0.62
4.033	1.03	10.033	2.97	16.033	0.97	22.03	0.62
4.050	1.03	10.050	2.97	16.050	0.97	22.05	0.62
4.067	1.03	10.067	2.97	16.067	0.97	22.07	0.62
4.083	1.03	10.083	2.97	16.083	0.97	22.08	0.62
4.100	1.03	10.100	2.97	16.100	0.97	22.10	0.62
4.117	1.03	10.117	2.97	16.117	0.97	22.12	0.62
4.133	1.03	10.133	2.97	16.133	0.97	22.13	0.62
4.150	1.03	10.150	2.97	16.150	0.97	22.15	0.62
4.167	1.03	10.167	2.97	16.167	0.97	22.17	0.62
4.183	1.07	10.183	2.79	16.183	0.96	22.18	0.61
4.200	1.07	10.200	2.79	16.200	0.96	22.20	0.61
4.217	1.07	10.217	2.79	16.217	0.96	22.22	0.61
4.233	1.07	10.233	2.79	16.233	0.96	22.23	0.61
4.250	1.07	10.250	2.79	16.250	0.96	22.25	0.61
4.267	1.07	10.267	2.79	16.267	0.96	22.27	0.61
4.283	1.07	10.283	2.79	16.283	0.96	22.28	0.61
4.300	1.07	10.300	2.79	16.300	0.96	22.30	0.61
4.317	1.07	10.317	2.79	16.317	0.96	22.32	0.61
4.333	1.07	10.333	2.79	16.333	0.96	22.33	0.61
4.350	1.11	10.350	2.63	16.350	0.94	22.35	0.61
4.367	1.11	10.367	2.63	16.367	0.94	22.37	0.61
4.383	1.11	10.383	2.63	16.383	0.94	22.38	0.61
4.400	1.11	10.400	2.63	16.400	0.94	22.40	0.61
4.417	1.11	10.417	2.63	16.417	0.94	22.42	0.61
4.433	1.11	10.433	2.63	16.433	0.94	22.43	0.61
4.450	1.11	10.450	2.63	16.450	0.94	22.45	0.61
4.467	1.11	10.467	2.63	16.467	0.94	22.47	0.61
4.483	1.11	10.483	2.63	16.483	0.94	22.48	0.61
4.500	1.11	10.500	2.62	16.500	0.94	22.50	0.61
4.517	1.16	10.517	2.48	16.517	0.92	22.52	0.60
4.533	1.16	10.533	2.48	16.533	0.92	22.53	0.60
4.550	1.16	10.550	2.48	16.550	0.92	22.55	0.60
4.567	1.16	10.567	2.48	16.567	0.92	22.57	0.60
4.583	1.16	10.583	2.48	16.583	0.92	22.58	0.60
4.600	1.16	10.600	2.48	16.600	0.92	22.60	0.60
4.617	1.16	10.617	2.48	16.617	0.92	22.62	0.60
4.633	1.16	10.633	2.48	16.633	0.92	22.63	0.60
4.650	1.16	10.650	2.48	16.650	0.92	22.65	0.60

4.667	1.16	10.667	2.48	16.667	0.92	22.67	0.60
4.683	1.21	10.683	2.36	16.683	0.91	22.68	0.60
4.700	1.21	10.700	2.36	16.700	0.91	22.70	0.60
4.717	1.21	10.717	2.36	16.717	0.91	22.72	0.60
4.733	1.21	10.733	2.36	16.733	0.91	22.73	0.60
4.750	1.21	10.750	2.36	16.750	0.91	22.75	0.60
4.767	1.21	10.767	2.36	16.767	0.91	22.77	0.60
4.783	1.21	10.783	2.36	16.783	0.91	22.78	0.60
4.800	1.21	10.800	2.36	16.800	0.91	22.80	0.60
4.817	1.21	10.817	2.36	16.817	0.91	22.82	0.60
4.833	1.21	10.833	2.36	16.833	0.91	22.83	0.60
4.850	1.27	10.850	2.25	16.850	0.90	22.85	0.59
4.867	1.27	10.867	2.25	16.867	0.90	22.87	0.59
4.883	1.27	10.883	2.25	16.883	0.90	22.88	0.59
4.900	1.27	10.900	2.25	16.900	0.90	22.90	0.59
4.917	1.27	10.917	2.25	16.917	0.90	22.92	0.59
4.933	1.27	10.933	2.25	16.933	0.90	22.93	0.59
4.950	1.27	10.950	2.25	16.950	0.90	22.95	0.59
4.967	1.27	10.967	2.25	16.967	0.90	22.97	0.59
4.983	1.27	10.983	2.25	16.983	0.90	22.98	0.59
5.000	1.27	11.000	2.25	17.000	0.90	23.00	0.59
5.017	1.33	11.017	2.14	17.017	0.88	23.02	0.59
5.033	1.33	11.033	2.14	17.033	0.88	23.03	0.59
5.050	1.33	11.050	2.14	17.050	0.88	23.05	0.59
5.067	1.33	11.067	2.14	17.067	0.88	23.07	0.59
5.083	1.33	11.083	2.14	17.083	0.88	23.08	0.59
5.100	1.33	11.100	2.14	17.100	0.88	23.10	0.59
5.117	1.33	11.117	2.14	17.117	0.88	23.12	0.59
5.133	1.33	11.133	2.14	17.133	0.88	23.13	0.59
5.150	1.33	11.150	2.14	17.150	0.88	23.15	0.59
5.167	1.33	11.167	2.14	17.167	0.88	23.17	0.59
5.183	1.40	11.183	2.05	17.183	0.87	23.18	0.58
5.200	1.40	11.200	2.05	17.200	0.87	23.20	0.58
5.217	1.40	11.217	2.05	17.217	0.87	23.22	0.58
5.233	1.40	11.233	2.05	17.233	0.87	23.23	0.58
5.250	1.40	11.250	2.05	17.250	0.87	23.25	0.58
5.267	1.40	11.267	2.05	17.267	0.87	23.27	0.58
5.283	1.40	11.283	2.05	17.283	0.87	23.28	0.58
5.300	1.40	11.300	2.05	17.300	0.87	23.30	0.58
5.317	1.40	11.317	2.05	17.317	0.87	23.32	0.58
5.333	1.40	11.333	2.05	17.333	0.87	23.33	0.58
5.350	1.48	11.350	1.97	17.350	0.86	23.35	0.57
5.367	1.48	11.367	1.97	17.367	0.86	23.37	0.57
5.383	1.48	11.383	1.97	17.383	0.86	23.38	0.57
5.400	1.48	11.400	1.97	17.400	0.86	23.40	0.57
5.417	1.48	11.417	1.97	17.417	0.86	23.42	0.57
5.433	1.48	11.433	1.97	17.433	0.86	23.43	0.57
5.450	1.48	11.450	1.97	17.450	0.86	23.45	0.57
5.467	1.48	11.467	1.97	17.467	0.86	23.47	0.57
5.483	1.48	11.483	1.97	17.483	0.86	23.48	0.57

5.500	1.48	11.500	1.97	17.500	0.86	23.50	0.57
5.517	1.57	11.517	1.89	17.517	0.85	23.52	0.57
5.533	1.57	11.533	1.89	17.533	0.85	23.53	0.57
5.550	1.57	11.550	1.89	17.550	0.85	23.55	0.57
5.567	1.57	11.567	1.89	17.567	0.85	23.57	0.57
5.583	1.57	11.583	1.89	17.583	0.85	23.58	0.57
5.600	1.57	11.600	1.89	17.600	0.85	23.60	0.57
5.617	1.57	11.617	1.89	17.617	0.85	23.62	0.57
5.633	1.57	11.633	1.89	17.633	0.85	23.63	0.57
5.650	1.57	11.650	1.89	17.650	0.85	23.65	0.57
5.667	1.57	11.667	1.89	17.667	0.85	23.67	0.57
5.683	1.67	11.683	1.82	17.683	0.83	23.68	0.57
5.700	1.67	11.700	1.82	17.700	0.83	23.70	0.57
5.717	1.67	11.717	1.82	17.717	0.83	23.72	0.57
5.733	1.67	11.733	1.82	17.733	0.83	23.73	0.57
5.750	1.67	11.750	1.82	17.750	0.83	23.75	0.57
5.767	1.67	11.767	1.82	17.767	0.83	23.77	0.57
5.783	1.67	11.783	1.82	17.783	0.83	23.78	0.57
5.800	1.67	11.800	1.82	17.800	0.83	23.80	0.57
5.817	1.67	11.817	1.82	17.817	0.83	23.82	0.57
5.833	1.67	11.833	1.82	17.833	0.83	23.83	0.57
5.850	1.79	11.850	1.76	17.850	0.82	23.85	0.56
5.867	1.79	11.867	1.76	17.867	0.82	23.87	0.56
5.883	1.79	11.883	1.76	17.883	0.82	23.88	0.56
5.900	1.79	11.900	1.76	17.900	0.82	23.90	0.56
5.917	1.79	11.917	1.76	17.917	0.82	23.92	0.56
5.933	1.79	11.933	1.76	17.933	0.82	23.93	0.56
5.950	1.79	11.950	1.76	17.950	0.82	23.95	0.56
5.967	1.79	11.967	1.76	17.967	0.82	23.97	0.56
5.983	1.79	11.983	1.76	17.983	0.82	23.98	0.56
6.000	1.79	12.000	1.76	18.000	0.82	24.00	0.56

Max.Eff.Inten.(mm/hr)=	105.25	88.35	
over (min)	5.00	13.00	
Storage Coeff. (min)=	5.05 (ii)	12.08 (ii)	
Unit Hyd. Tpeak (min)=	5.00	13.00	
Unit Hyd. peak (cms)=	0.22	0.09	
			TOTALS
PEAK FLOW (cms)=	1.87	1.07	2.627 (iii)
TIME TO PEAK (hrs)=	8.02	8.15	8.03
RUNOFF VOLUME (mm)=	66.04	53.97	59.90
TOTAL RAINFALL (mm)=	67.05	67.05	67.05
RUNOFF COEFFICIENT =	0.98	0.80	0.89

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 94.0 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.

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       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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***** 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\voin.dat

Output filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\c57b450a-05dd-434b-846b-ea0b12d119dd\scenari
Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\c57b450a-05dd-434b-846b-ea0b12d119dd\scenari

DATE: 01-27-2026 TIME: 02:07:39

USER:

COMMENTS: _____

** SIMULATION : 4 - 10-Year 24hr Chic - Milto **

| CHICAGO STORM | IDF curve parameters: A=1089.000

| Ptotal= 80.06 mm |

B= 5.700
C= 0.795
used in: INTENSITY = A / (t + B)^C

Duration of storm = 24.00 hrs
Storm time step = 10.00 min
Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.71	6.00	2.35	12.00	2.08	18.00	1.00
0.17	0.72	6.17	2.55	12.17	2.01	18.17	0.99
0.33	0.73	6.33	2.80	12.33	1.95	18.33	0.97
0.50	0.74	6.50	3.10	12.50	1.89	18.50	0.96
0.67	0.76	6.67	3.49	12.67	1.84	18.67	0.95
0.83	0.77	6.83	4.01	12.83	1.78	18.83	0.94
1.00	0.79	7.00	4.74	13.00	1.74	19.00	0.93
1.17	0.80	7.17	5.85	13.17	1.69	19.17	0.91
1.33	0.82	7.33	7.75	13.33	1.65	19.33	0.90
1.50	0.84	7.50	11.89	13.50	1.61	19.50	0.89
1.67	0.86	7.67	28.81	13.67	1.57	19.67	0.88
1.83	0.88	7.83	121.81	13.83	1.54	19.83	0.87
2.00	0.90	8.00	37.88	14.00	1.50	20.00	0.86
2.17	0.92	8.17	19.77	14.17	1.47	20.17	0.85
2.33	0.94	8.33	13.48	14.33	1.44	20.33	0.84
2.50	0.97	8.50	10.31	14.50	1.41	20.50	0.84
2.67	0.99	8.67	8.40	14.67	1.38	20.67	0.83
2.83	1.02	8.83	7.12	14.83	1.35	20.83	0.82
3.00	1.05	9.00	6.20	15.00	1.33	21.00	0.81
3.17	1.08	9.17	5.51	15.17	1.30	21.17	0.80
3.33	1.11	9.33	4.96	15.33	1.28	21.33	0.79
3.50	1.14	9.50	4.53	15.50	1.26	21.50	0.79
3.67	1.18	9.67	4.17	15.67	1.23	21.67	0.78
3.83	1.22	9.83	3.86	15.83	1.21	21.83	0.77
4.00	1.27	10.00	3.61	16.00	1.19	22.00	0.76
4.17	1.31	10.17	3.38	16.17	1.17	22.17	0.76
4.33	1.37	10.33	3.19	16.33	1.15	22.33	0.75
4.50	1.42	10.50	3.02	16.50	1.14	22.50	0.74
4.67	1.48	10.67	2.87	16.67	1.12	22.67	0.74
4.83	1.55	10.83	2.73	16.83	1.10	22.83	0.73
5.00	1.63	11.00	2.61	17.00	1.09	23.00	0.72
5.17	1.71	11.17	2.50	17.17	1.07	23.17	0.72
5.33	1.81	11.33	2.40	17.33	1.05	23.33	0.71
5.50	1.92	11.50	2.31	17.50	1.04	23.50	0.70
5.67	2.04	11.67	2.23	17.67	1.03	23.67	0.70
5.83	2.18	11.83	2.15	17.83	1.01	23.83	0.69

| CALIB |
| STANDHYD (0001) | Area (ha)= 15.57
|ID= 1 DT= 1.0 min | Total Imp(%)= 49.00 Dir. Conn.(%)= 49.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.63	7.94
Dep. Storage	(mm)=	1.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	322.18	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.71	6.017	2.35	12.017	2.08	18.02	1.00
0.033	0.71	6.033	2.35	12.033	2.08	18.03	1.00
0.050	0.71	6.050	2.35	12.050	2.08	18.05	1.00
0.067	0.71	6.067	2.35	12.067	2.08	18.07	1.00
0.083	0.71	6.083	2.35	12.083	2.08	18.08	1.00
0.100	0.71	6.100	2.35	12.100	2.08	18.10	1.00
0.117	0.71	6.117	2.35	12.117	2.08	18.12	1.00
0.133	0.71	6.133	2.35	12.133	2.08	18.13	1.00
0.150	0.71	6.150	2.35	12.150	2.08	18.15	1.00
0.167	0.71	6.167	2.35	12.167	2.08	18.17	1.00
0.183	0.72	6.183	2.55	12.183	2.01	18.18	0.99
0.200	0.72	6.200	2.55	12.200	2.01	18.20	0.99
0.217	0.72	6.217	2.55	12.217	2.01	18.22	0.99
0.233	0.72	6.233	2.55	12.233	2.01	18.23	0.99
0.250	0.72	6.250	2.55	12.250	2.01	18.25	0.99
0.267	0.72	6.267	2.55	12.267	2.01	18.27	0.99
0.283	0.72	6.283	2.55	12.283	2.01	18.28	0.99
0.300	0.72	6.300	2.55	12.300	2.01	18.30	0.99
0.317	0.72	6.317	2.55	12.317	2.01	18.32	0.99
0.333	0.72	6.333	2.55	12.333	2.01	18.33	0.99
0.350	0.73	6.350	2.80	12.350	1.95	18.35	0.97
0.367	0.73	6.367	2.80	12.367	1.95	18.37	0.97
0.383	0.73	6.383	2.80	12.383	1.95	18.38	0.97
0.400	0.73	6.400	2.80	12.400	1.95	18.40	0.97
0.417	0.73	6.417	2.80	12.417	1.95	18.42	0.97
0.433	0.73	6.433	2.80	12.433	1.95	18.43	0.97
0.450	0.73	6.450	2.80	12.450	1.95	18.45	0.97
0.467	0.73	6.467	2.80	12.467	1.95	18.47	0.97
0.483	0.73	6.483	2.80	12.483	1.95	18.48	0.97
0.500	0.73	6.500	2.80	12.500	1.95	18.50	0.97
0.517	0.74	6.517	3.10	12.517	1.89	18.52	0.96
0.533	0.74	6.533	3.10	12.533	1.89	18.53	0.96
0.550	0.74	6.550	3.10	12.550	1.89	18.55	0.96

0.567	0.74	6.567	3.10	12.567	1.89	18.57	0.96
0.583	0.74	6.583	3.10	12.583	1.89	18.58	0.96
0.600	0.74	6.600	3.10	12.600	1.89	18.60	0.96
0.617	0.74	6.617	3.10	12.617	1.89	18.62	0.96
0.633	0.74	6.633	3.10	12.633	1.89	18.63	0.96
0.650	0.74	6.650	3.10	12.650	1.89	18.65	0.96
0.667	0.74	6.667	3.10	12.667	1.89	18.67	0.96
0.683	0.76	6.683	3.49	12.683	1.84	18.68	0.95
0.700	0.76	6.700	3.49	12.700	1.84	18.70	0.95
0.717	0.76	6.717	3.49	12.717	1.84	18.72	0.95
0.733	0.76	6.733	3.49	12.733	1.84	18.73	0.95
0.750	0.76	6.750	3.49	12.750	1.84	18.75	0.95
0.767	0.76	6.767	3.49	12.767	1.84	18.77	0.95
0.783	0.76	6.783	3.49	12.783	1.84	18.78	0.95
0.800	0.76	6.800	3.49	12.800	1.84	18.80	0.95
0.817	0.76	6.817	3.49	12.817	1.84	18.82	0.95
0.833	0.76	6.833	3.49	12.833	1.84	18.83	0.95
0.850	0.77	6.850	4.01	12.850	1.78	18.85	0.94
0.867	0.77	6.867	4.01	12.867	1.78	18.87	0.94
0.883	0.77	6.883	4.01	12.883	1.78	18.88	0.94
0.900	0.77	6.900	4.01	12.900	1.78	18.90	0.94
0.917	0.77	6.917	4.01	12.917	1.78	18.92	0.94
0.933	0.77	6.933	4.01	12.933	1.78	18.93	0.94
0.950	0.77	6.950	4.01	12.950	1.78	18.95	0.94
0.967	0.77	6.967	4.01	12.967	1.78	18.97	0.94
0.983	0.77	6.983	4.01	12.983	1.78	18.98	0.94
1.000	0.77	7.000	4.01	13.000	1.78	19.00	0.94
1.017	0.79	7.017	4.74	13.017	1.74	19.02	0.93
1.033	0.79	7.033	4.74	13.033	1.74	19.03	0.93
1.050	0.79	7.050	4.74	13.050	1.74	19.05	0.93
1.067	0.79	7.067	4.74	13.067	1.74	19.07	0.93
1.083	0.79	7.083	4.74	13.083	1.74	19.08	0.93
1.100	0.79	7.100	4.74	13.100	1.74	19.10	0.93
1.117	0.79	7.117	4.74	13.117	1.74	19.12	0.93
1.133	0.79	7.133	4.74	13.133	1.74	19.13	0.93
1.150	0.79	7.150	4.74	13.150	1.74	19.15	0.93
1.167	0.79	7.167	4.74	13.167	1.74	19.17	0.93
1.183	0.80	7.183	5.85	13.183	1.69	19.18	0.91
1.200	0.80	7.200	5.85	13.200	1.69	19.20	0.91
1.217	0.80	7.217	5.85	13.217	1.69	19.22	0.91
1.233	0.80	7.233	5.85	13.233	1.69	19.23	0.91
1.250	0.80	7.250	5.85	13.250	1.69	19.25	0.91
1.267	0.80	7.267	5.85	13.267	1.69	19.27	0.91
1.283	0.80	7.283	5.85	13.283	1.69	19.28	0.91
1.300	0.80	7.300	5.85	13.300	1.69	19.30	0.91
1.317	0.80	7.317	5.85	13.317	1.69	19.32	0.91
1.333	0.80	7.333	5.85	13.333	1.69	19.33	0.91
1.350	0.82	7.350	7.75	13.350	1.65	19.35	0.90
1.367	0.82	7.367	7.75	13.367	1.65	19.37	0.90
1.383	0.82	7.383	7.75	13.383	1.65	19.38	0.90
1.400	0.82	7.400	7.75	13.400	1.65	19.40	0.90
1.417	0.82	7.417	7.75	13.417	1.65	19.42	0.90
1.433	0.82	7.433	7.75	13.433	1.65	19.43	0.90
1.450	0.82	7.450	7.75	13.450	1.65	19.45	0.90
1.467	0.82	7.467	7.75	13.467	1.65	19.47	0.90
1.483	0.82	7.483	7.75	13.483	1.65	19.48	0.90
1.500	0.82	7.500	7.76	13.500	1.65	19.50	0.90
1.517	0.84	7.517	11.89	13.517	1.61	19.52	0.89
1.533	0.84	7.533	11.89	13.533	1.61	19.53	0.89
1.550	0.84	7.550	11.89	13.550	1.61	19.55	0.89
1.567	0.84	7.567	11.89	13.567	1.61	19.57	0.89
1.583	0.84	7.583	11.89	13.583	1.61	19.58	0.89
1.600	0.84	7.600	11.89	13.600	1.61	19.60	0.89
1.617	0.84	7.617	11.89	13.617	1.61	19.62	0.89
1.633	0.84	7.633	11.89	13.633	1.61	19.63	0.89
1.650	0.84	7.650	11.89	13.650	1.61	19.65	0.89
1.667	0.84	7.667	11.93	13.667	1.61	19.67	0.89
1.683	0.86	7.683	28.81	13.683	1.57	19.68	0.88
1.700	0.86	7.700	28.81	13.700	1.57	19.70	0.88
1.717	0.86	7.717	28.81	13.717	1.57	19.72	0.88
1.733	0.86	7.733	28.81	13.733	1.57	19.73	0.88
1.750	0.86	7.750	28.81	13.750	1.57	19.75	0.88
1.767	0.86	7.767	28.81	13.767	1.57	19.77	0.88
1.783	0.86	7.783	28.81	13.783	1.57	19.78	0.88
1.800	0.86	7.800	28.81	13.800	1.57	19.80	0.88
1.817	0.86	7.817	28.81	13.817	1.57	19.82	0.88
1.833	0.86	7.833	29.07	13.833	1.57	19.83	0.88
1.850	0.88	7.850	121.81	13.850	1.54	19.85	0.87
1.867	0.88	7.867	121.81	13.867	1.54	19.87	0.87
1.883	0.88	7.883	121.81	13.883	1.54	19.88	0.87
1.900	0.88	7.900	121.81	13.900	1.54	19.90	0.87
1.917	0.88	7.917	121.81	13.917	1.54	19.92	0.87
1.933	0.88	7.933	121.81	13.933	1.54	19.93	0.87
1.950	0.88	7.950	121.81	13.950	1.54	19.95	0.87
1.967	0.88	7.967	121.81	13.967	1.54	19.97	0.87
1.983	0.88	7.983	121.81	13.983	1.54	19.98	0.87
2.000	0.88	8.000	121.56	14.000	1.54	20.00	0.87
2.017	0.90	8.017	37.88	14.017	1.50	20.02	0.86
2.033	0.90	8.033	37.88	14.033	1.50	20.03	0.86
2.050	0.90	8.050	37.88	14.050	1.50	20.05	0.86
2.067	0.90	8.067	37.88	14.067	1.50	20.07	0.86
2.083	0.90	8.083	37.88	14.083	1.50	20.08	0.86
2.100	0.90	8.100	37.88	14.100	1.50	20.10	0.86
2.117	0.90	8.117	37.88	14.117	1.50	20.12	0.86
2.133	0.90	8.133	37.88	14.133	1.50	20.13	0.86
2.150	0.90	8.150	37.88	14.150	1.50	20.15	0.86
2.167	0.90	8.167	37.83	14.167	1.50	20.17	0.86
2.183	0.92	8.183	19.77	14.183	1.47	20.18	0.85
2.200	0.92	8.200	19.77	14.200	1.47	20.20	0.85
2.217	0.92	8.217	19.77	14.217	1.47	20.22	0.85
2.233	0.92	8.233	19.77	14.233	1.47	20.23	0.85
2.250	0.92	8.250	19.77	14.250	1.47	20.25	0.85
2.267	0.92	8.267	19.77	14.267	1.47	20.27	0.85
2.283	0.92	8.283	19.77	14.283	1.47	20.28	0.85
2.300	0.92	8.300	19.77	14.300	1.47	20.30	0.85
2.317	0.92	8.317	19.77	14.317	1.47	20.32	0.85
2.333	0.92	8.333	19.75	14.333	1.47	20.33	0.85
2.350	0.94	8.350	13.48	14.350	1.44	20.35	0.84
2.367	0.94	8.367	13.48	14.367	1.44	20.37	0.84
2.383	0.94	8.383	13.48	14.383	1.44	20.38	0.84
2.400	0.94	8.400	13.48	14.400	1.44	20.40	0.84
2.417	0.94	8.417	13.48	14.417	1.44	20.42	0.84
2.433	0.94	8.433	13.48	14.433	1.44	20.43	0.84
2.450	0.94	8.450	13.48	14.450	1.44	20.45	0.84
2.467	0.94	8.467	13.48	14.467	1.44	20.47	0.84
2.483	0.94	8.483	13.48	14.483	1.44	20.48	0.84
2.500	0.94	8.500	13.48	14.500	1.44	20.50	0.84
2.517	0.97	8.517	10.31	14.517	1.41	20.52	0.84
2.533	0.97	8.533	10.31	14.533	1.41	20.53	0.84
2.550	0.97	8.550	10.31	14.550	1.41	20.55	0.84
2.567	0.97	8.567	10.31	14.567	1.41	20.57	0.84
2.583	0.97	8.583	10.31	14.583	1.41	20.58	0.84
2.600	0.97	8.600	10.31	14.600	1.41	20.60	0.84
2.617	0.97	8.617	10.31	14.617	1.41	20.62	0.84
2.633	0.97	8.633	10.31	14.633	1.41	20.63	0.84
2.650	0.97	8.650	10.31	14.650	1.41	20.65	0.84
2.667	0.97	8.667	10.31	14.667	1.41	20.67	0.84
2.683	0.99	8.683	8.40	14.683	1.38	20.68	0.83
2.700	0.99	8.700	8.40	14.700	1.38	20.70	0.83
2.717	0.99	8.717	8.40	14.717	1.38	20.72	0.83
2.733	0.99	8.733	8.40	14.733	1.38	20.73	0.83
2.750	0.99	8.750	8.40	14.750	1.38	20.75	0.83
2.767	0.99	8.767	8.40	14.767	1.38	20.77	0.83
2.783	0.99	8.783	8.40	14.783	1.38	20.78	0.83
2.800	0.99	8.800	8.40	14.800	1.38	20.80	0.83
2.817	0.99	8.817	8.40	14.817	1.38	20.82	0.83
2.833	0.99	8.833	8.40	14.833	1.38	20.83	0.83
2.850	1.02	8.850	7.12	14.850	1.35	20.85	0.82
2.867	1.02	8.867	7.12	14.867	1.35	20.87	0.82
2.883	1.02	8.883	7.12	14.883	1.35	20.88	0.82
2.900	1.02	8.900	7.12	14.900	1.35	20.90	0.82
2.917	1.02	8.917	7.12	14.917	1.35	20.92	0.82
2.933	1.02	8.933	7.12	14.933	1.35	20.93	0.82
2.950	1.02	8.950	7.12	14.950	1.35	20.95	0.82
2.967	1.02	8.967	7.12	14.967	1.35	20.97	0.82
2.983	1.02	8.983	7.12	14.983	1.35	20.98	0.82
3.000	1.02	9.000	7.12	15.000	1.35	21.00	0.82
3.017	1.05	9.017	6.20	15.017	1.33	21.02	0.81
3.033	1.05	9.033	6.20	15.033	1.33	21.03	0.81
3.050	1.05	9.050	6.20	15.050	1.33	21.05	0.81
3.067	1.05	9.067	6.20	15.067	1.33	21.07	0.81
3.083	1.05	9.083	6.20	15.083	1.33	21.08	0.81
3.100	1.05	9.100	6.20	15.100	1.33	21.10	0.81
3.117	1.05	9.117	6.20	15.117	1.33	21.12	0.81
3.133	1.05	9.133	6.20	15.133	1.33	21.13	0.81
3.150	1.05	9.150	6.20	15.150	1.33	21.15	0.81
3.167	1.05	9.167	6.20	15.167	1.33	21.17	0.81
3.183	1.08	9.183	5.51	15.183	1.30	21.18	0.80
3.200	1.08	9.200	5.51	15.200	1.30	21.20	0.80
3.217	1.08	9.217	5.51	15.217	1.30	21.22	0.80
3.233	1.08	9.233	5.51	15.233	1.30	21.23	0.80
3.250	1.08	9.250	5.51	15.250	1.30	21.25	0.80
3.267	1.08	9.267	5.51	15.267	1.30	21.27	0.80
3.283	1.08	9.283	5.51	15.283	1.30	21.28	0.80
3.300	1.08	9.300	5.51	15.300	1.30	21.30	0.80
3.317	1.08	9.317	5.51	15.317	1.30	21.32	0.80
3.333	1.08	9.333	5.51	15.333	1.30	21.33	0.80
3.350	1.11	9.350	4.96	15.350	1.28	21.35	0.79
3.367	1.11	9.367	4.96	15.367	1.28	21.37	0.79
3.383	1.11	9.383	4.96	15.383	1.28	21.38	0.79
3.400	1.11	9.400	4.96	15.400	1.28	21.40	0.79
3.417	1.11	9.417	4.96	15.417	1.28	21.42	0.79
3.433	1.11	9.433	4.96	15.433	1.28	21.43	0.79
3.450	1.11	9.450	4.96	15.450	1.28	21.45	0.79
3.467	1.11	9.467	4.96	15.467	1.28	21.47	0.79
3.483	1.11	9.483	4.96	15.483	1.28	21.48	0.79
3.500	1.11	9.500	4.96	15.500	1.28	21.50	0.79
3.517	1.14	9.517	4.53	15.517	1.26	21.52	0.79
3.533	1.14	9.533	4.53	15.533	1.26	21.53	0.79
3.550	1.14	9.550	4.53	15.550	1.26	21.55	0.79
3.567	1.14	9.567	4.53	15.567	1.26	21.57	0.79
3.583	1.14	9.583	4.53	15.583	1.26	21.58	0.79
3.600	1.14	9.600	4.53	15.600	1.26	21.60	0.79
3.617	1.14	9.617	4.53	15.617	1.26	21.62	0.79
3.633	1.14	9.633	4.53	15.633	1.26	21.63	0.79
3.650	1.14	9.650	4.53	15.650	1.26	21.65	0.79
3.667	1.14	9.667	4.53	15.667	1.26	21.67	0.79
3.683	1.18	9.683	4.17	15.683	1.23	21.68	0.78
3.700	1.18	9.700	4.17	15.700	1.23	21.70	0.78
3.717	1.18	9.717	4.17	15.717	1.23	21.72	0.78
3.733	1.18	9.733	4.17	15.733	1.23	21.73	0.78
3.750	1.18	9.750	4.17	15.750	1.23	21.75	0.78
3.767	1.18	9.767	4.17	15.767	1.23	21.77	0.78
3.783	1.18	9.783	4.17	15.783	1.23	21.78	0.78
3.800	1.18	9.800	4.17	15.800	1.23	21.80	0.78
3.817	1.18	9.817	4.17	15.817	1.23	21.82	0.78
3.833	1.18	9.833	4.17	15.833	1.23	21.83	0.78
3.850	1.22	9.850	3.86	15.850	1.21	21.85	0.77
3.867	1.22	9.867	3.86	15.867	1.21	21.87	0.77
3.883	1.22	9.883	3.86	15.883	1.21	21.88	0.77

3.900	1.22	9.900	3.86	15.900	1.21	21.90	0.77
3.917	1.22	9.917	3.86	15.917	1.21	21.92	0.77
3.933	1.22	9.933	3.86	15.933	1.21	21.93	0.77
3.950	1.22	9.950	3.86	15.950	1.21	21.95	0.77
3.967	1.22	9.967	3.86	15.967	1.21	21.97	0.77
3.983	1.22	9.983	3.86	15.983	1.21	21.98	0.77
4.000	1.22	10.000	3.86	16.000	1.21	22.00	0.77
4.017	1.27	10.017	3.61	16.017	1.19	22.02	0.76
4.033	1.27	10.033	3.61	16.033	1.19	22.03	0.76
4.050	1.27	10.050	3.61	16.050	1.19	22.05	0.76
4.067	1.27	10.067	3.61	16.067	1.19	22.07	0.76
4.083	1.27	10.083	3.61	16.083	1.19	22.08	0.76
4.100	1.27	10.100	3.61	16.100	1.19	22.10	0.76
4.117	1.27	10.117	3.61	16.117	1.19	22.12	0.76
4.133	1.27	10.133	3.61	16.133	1.19	22.13	0.76
4.150	1.27	10.150	3.61	16.150	1.19	22.15	0.76
4.167	1.27	10.167	3.61	16.167	1.19	22.17	0.76
4.183	1.31	10.183	3.38	16.183	1.17	22.18	0.76
4.200	1.31	10.200	3.38	16.200	1.17	22.20	0.76
4.217	1.31	10.217	3.38	16.217	1.17	22.22	0.76
4.233	1.31	10.233	3.38	16.233	1.17	22.23	0.76
4.250	1.31	10.250	3.38	16.250	1.17	22.25	0.76
4.267	1.31	10.267	3.38	16.267	1.17	22.27	0.76
4.283	1.31	10.283	3.38	16.283	1.17	22.28	0.76
4.300	1.31	10.300	3.38	16.300	1.17	22.30	0.76
4.317	1.31	10.317	3.38	16.317	1.17	22.32	0.76
4.333	1.31	10.333	3.38	16.333	1.17	22.33	0.76
4.350	1.37	10.350	3.19	16.350	1.16	22.35	0.75
4.367	1.37	10.367	3.19	16.367	1.15	22.37	0.75
4.383	1.37	10.383	3.19	16.383	1.15	22.38	0.75
4.400	1.37	10.400	3.19	16.400	1.15	22.40	0.75
4.417	1.37	10.417	3.19	16.417	1.15	22.42	0.75
4.433	1.37	10.433	3.19	16.433	1.15	22.43	0.75
4.450	1.37	10.450	3.19	16.450	1.15	22.45	0.75
4.467	1.37	10.467	3.19	16.467	1.15	22.47	0.75
4.483	1.37	10.483	3.19	16.483	1.15	22.48	0.75
4.500	1.37	10.500	3.19	16.500	1.15	22.50	0.75
4.517	1.42	10.517	3.02	16.517	1.14	22.52	0.74
4.533	1.42	10.533	3.02	16.533	1.14	22.53	0.74
4.550	1.42	10.550	3.02	16.550	1.14	22.55	0.74
4.567	1.42	10.567	3.02	16.567	1.14	22.57	0.74
4.583	1.42	10.583	3.02	16.583	1.14	22.58	0.74
4.600	1.42	10.600	3.02	16.600	1.14	22.60	0.74
4.617	1.42	10.617	3.02	16.617	1.14	22.62	0.74
4.633	1.42	10.633	3.02	16.633	1.14	22.63	0.74
4.650	1.42	10.650	3.02	16.650	1.14	22.65	0.74
4.667	1.42	10.667	3.02	16.667	1.14	22.67	0.74
4.683	1.48	10.683	2.87	16.683	1.12	22.68	0.74
4.700	1.48	10.700	2.87	16.700	1.12	22.70	0.74
4.717	1.48	10.717	2.87	16.717	1.12	22.72	0.74
4.733	1.48	10.733	2.87	16.733	1.12	22.73	0.74
4.750	1.48	10.750	2.87	16.750	1.12	22.75	0.74
4.767	1.48	10.767	2.87	16.767	1.12	22.77	0.74
4.783	1.48	10.783	2.87	16.783	1.12	22.78	0.74
4.800	1.48	10.800	2.87	16.800	1.12	22.80	0.74
4.817	1.48	10.817	2.87	16.817	1.12	22.82	0.74
4.833	1.48	10.833	2.87	16.833	1.12	22.83	0.74
4.850	1.55	10.850	2.73	16.850	1.10	22.85	0.73
4.867	1.55	10.867	2.73	16.867	1.10	22.87	0.73
4.883	1.55	10.883	2.73	16.883	1.10	22.88	0.73
4.900	1.55	10.900	2.73	16.900	1.10	22.90	0.73
4.917	1.55	10.917	2.73	16.917	1.10	22.92	0.73
4.933	1.55	10.933	2.73	16.933	1.10	22.93	0.73
4.950	1.55	10.950	2.73	16.950	1.10	22.95	0.73
4.967	1.55	10.967	2.73	16.967	1.10	22.97	0.73
4.983	1.55	10.983	2.73	16.983	1.10	22.98	0.73
5.000	1.55	11.000	2.73	17.000	1.10	23.00	0.73
5.017	1.63	11.017	2.61	17.017	1.09	23.02	0.72
5.033	1.63	11.033	2.61	17.033	1.09	23.03	0.72
5.050	1.63	11.050	2.61	17.050	1.09	23.05	0.72
5.067	1.63	11.067	2.61	17.067	1.09	23.07	0.72
5.083	1.63	11.083	2.61	17.083	1.09	23.08	0.72
5.100	1.63	11.100	2.61	17.100	1.09	23.10	0.72
5.117	1.63	11.117	2.61	17.117	1.09	23.12	0.72
5.133	1.63	11.133	2.61	17.133	1.09	23.13	0.72
5.150	1.63	11.150	2.61	17.150	1.09	23.15	0.72
5.167	1.63	11.167	2.61	17.167	1.09	23.17	0.72
5.183	1.71	11.183	2.50	17.183	1.07	23.18	0.72
5.200	1.71	11.200	2.50	17.200	1.07	23.20	0.72
5.217	1.71	11.217	2.50	17.217	1.07	23.22	0.72
5.233	1.71	11.233	2.50	17.233	1.07	23.23	0.72
5.250	1.71	11.250	2.50	17.250	1.07	23.25	0.72
5.267	1.71	11.267	2.50	17.267	1.07	23.27	0.72
5.283	1.71	11.283	2.50	17.283	1.07	23.28	0.72
5.300	1.71	11.300	2.50	17.300	1.07	23.30	0.72
5.317	1.71	11.317	2.50	17.317	1.07	23.32	0.72
5.333	1.71	11.333	2.50	17.333	1.07	23.33	0.72
5.350	1.81	11.350	2.40	17.350	1.06	23.35	0.71
5.367	1.81	11.367	2.40	17.367	1.05	23.37	0.71
5.383	1.81	11.383	2.40	17.383	1.05	23.38	0.71
5.400	1.81	11.400	2.40	17.400	1.05	23.40	0.71
5.417	1.81	11.417	2.40	17.417	1.05	23.42	0.71
5.433	1.81	11.433	2.40	17.433	1.05	23.43	0.71
5.450	1.81	11.450	2.40	17.450	1.05	23.45	0.71
5.467	1.81	11.467	2.40	17.467	1.05	23.47	0.71
5.483	1.81	11.483	2.40	17.483	1.05	23.48	0.71
5.500	1.81	11.500	2.40	17.500	1.05	23.50	0.71
5.517	1.92	11.517	2.31	17.517	1.04	23.52	0.70
5.533	1.92	11.533	2.31	17.533	1.04	23.53	0.70
5.550	1.92	11.550	2.31	17.550	1.04	23.55	0.70
5.567	1.92	11.567	2.31	17.567	1.04	23.57	0.70
5.583	1.92	11.583	2.31	17.583	1.04	23.58	0.70
5.600	1.92	11.600	2.31	17.600	1.04	23.60	0.70
5.617	1.92	11.617	2.31	17.617	1.04	23.62	0.70
5.633	1.92	11.633	2.31	17.633	1.04	23.63	0.70
5.650	1.92	11.650	2.31	17.650	1.04	23.65	0.70
5.667	1.92	11.667	2.31	17.667	1.04	23.67	0.70
5.683	2.04	11.683	2.23	17.683	1.03	23.68	0.70
5.700	2.04	11.700	2.23	17.700	1.03	23.70	0.70
5.717	2.04	11.717	2.23	17.717	1.03	23.72	0.70
5.733	2.04	11.733	2.23	17.733	1.03	23.73	0.70
5.750	2.04	11.750	2.23	17.750	1.03	23.75	0.70
5.767	2.04	11.767	2.23	17.767	1.03	23.77	0.70
5.783	2.04	11.783	2.23	17.783	1.03	23.78	0.70
5.800	2.04	11.800	2.23	17.800	1.03	23.80	0.70
5.817	2.04	11.817	2.23	17.817	1.03	23.82	0.70
5.833	2.04	11.833	2.23	17.833	1.03	23.83	0.70
5.850	2.18	11.850	2.15	17.850	1.01	23.85	0.69
5.867	2.18	11.867	2.15	17.867	1.01	23.87	0.69
5.883	2.18	11.883	2.15	17.883	1.01	23.88	0.69
5.900	2.18	11.900	2.15	17.900	1.01	23.90	0.69
5.917	2.18	11.917	2.15	17.917	1.01	23.92	0.69
5.933	2.18	11.933	2.15	17.933	1.01	23.93	0.69
5.950	2.18	11.950	2.15	17.950	1.01	23.95	0.69
5.967	2.18	11.967	2.15	17.967	1.01	23.97	0.69
5.983	2.18	11.983	2.15	17.983	1.01	23.98	0.69
6.000	2.18	12.000	2.15	18.000	1.01	24.00	0.69

Max.Eff.Inten.(mm/hr)=	121.81	70.49	
over (min)	5.00	12.00	
Storage Coeff. (min)=	4.76 (ii)	11.39 (ii)	
Unit Hyd. Tpeak (min)=	5.00	12.00	
Unit Hyd. peak (cms)=	0.23	0.10	
			TOTALS
PEAK FLOW (cms)=	2.20	0.89	2.811 (iii)
TIME TO PEAK (hrs)=	8.02	8.15	8.03
RUNOFF VOLUME (mm)=	79.05	46.98	62.70
TOTAL RAINFALL (mm)=	80.06	80.06	80.06
RUNOFF COEFFICIENT =	0.99	0.59	0.78

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

CALIB

| STANDHYD (0002)| Area (ha)= 15.57
|ID= 1 DT= 1.0 min | Total Imp(%)= 49.00 Dir. Conn.(%)= 49.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.63	7.94
Dep. Storage	(mm)=	1.00	0.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	322.18	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.71	6.017	2.35	12.017	2.08	18.02	1.00
0.033	0.71	6.033	2.35	12.033	2.08	18.03	1.00
0.050	0.71	6.050	2.35	12.050	2.08	18.05	1.00
0.067	0.71	6.067	2.35	12.067	2.08	18.07	1.00
0.083	0.71	6.083	2.35	12.083	2.08	18.08	1.00
0.100	0.71	6.100	2.35	12.100	2.08	18.10	1.00
0.117	0.71	6.117	2.35	12.117	2.08	18.12	1.00
0.133	0.71	6.133	2.35	12.133	2.08	18.13	1.00
0.150	0.71	6.150	2.35	12.150	2.08	18.15	1.00
0.167	0.71	6.167	2.35	12.167	2.08	18.17	1.00
0.183	0.72	6.183	2.55	12.183	2.01	18.18	0.99
0.200	0.72	6.200	2.55	12.200	2.01	18.20	0.99
0.217	0.72	6.217	2.55	12.217	2.01	18.22	0.99
0.233	0.72	6.233	2.55	12.233	2.01	18.23	0.99
0.250	0.72	6.250	2.55	12.250	2.01	18.25	0.99
0.267	0.72	6.267	2.55	12.267	2.01	18.27	0.99
0.283	0.72	6.283	2.55	12.283	2.01	18.28	0.99
0.300	0.72	6.300	2.55	12.300	2.01	18.30	0.99
0.317	0.72	6.317	2.55	12.317	2.01	18.32	0.99
0.333	0.72	6.333	2.55	12.333	2.01	18.33	0.99
0.350	0.73	6.350	2.80	12.350	1.95	18.35	0.97
0.367	0.73	6.367	2.80	12.367	1.95	18.37	0.97
0.383	0.73	6.383	2.80	12.383	1.95	18.38	0.97
0.400	0.73	6.400	2.80	12.400	1.95	18.40	0.97
0.417	0.73	6.417	2.80	12.417	1.95	18.42	0.97
0.433	0.73	6.433	2.80	12.433	1.95	18.43	0.97
0.450	0.73	6.450	2.80	12.450	1.95	18.45	0.97
0.467	0.73	6.467	2.80	12.467	1.95	18.47	0.97
0.483	0.73	6.483	2.80	12.483	1.95	18.48	0.97
0.500	0.73	6.500	2.80	12.500	1.95	18.50	0.97
0.517	0.74	6.517	3.10	12.517	1.89	18.52	0.96
0.533	0.74	6.533	3.10	12.533	1.89	18.53	0.96
0.550	0.74	6.550	3.10	12.550	1.89	18.55	0.96
0.567	0.74	6.567	3.10	12.567	1.89	18.57	0.96

0.583	0.74	6.583	3.10	12.583	1.89	18.58	0.96
0.600	0.74	6.600	3.10	12.600	1.89	18.60	0.96
0.617	0.74	6.617	3.10	12.617	1.89	18.62	0.96
0.633	0.74	6.633	3.10	12.633	1.89	18.63	0.96
0.650	0.74	6.650	3.10	12.650	1.89	18.65	0.96
0.667	0.74	6.667	3.10	12.667	1.89	18.67	0.96
0.683	0.76	6.683	3.49	12.683	1.84	18.68	0.95
0.700	0.76	6.700	3.49	12.700	1.84	18.70	0.95
0.717	0.76	6.717	3.49	12.717	1.84	18.72	0.95
0.733	0.76	6.733	3.49	12.733	1.84	18.73	0.95
0.750	0.76	6.750	3.49	12.750	1.84	18.75	0.95
0.767	0.76	6.767	3.49	12.767	1.84	18.77	0.95
0.783	0.76	6.783	3.49	12.783	1.84	18.78	0.95
0.800	0.76	6.800	3.49	12.800	1.84	18.80	0.95
0.817	0.76	6.817	3.49	12.817	1.84	18.82	0.95
0.833	0.76	6.833	3.49	12.833	1.84	18.83	0.95
0.850	0.77	6.850	4.01	12.850	1.78	18.85	0.94
0.867	0.77	6.867	4.01	12.867	1.78	18.87	0.94
0.883	0.77	6.883	4.01	12.883	1.78	18.88	0.94
0.900	0.77	6.900	4.01	12.900	1.78	18.90	0.94
0.917	0.77	6.917	4.01	12.917	1.78	18.92	0.94
0.933	0.77	6.933	4.01	12.933	1.78	18.93	0.94
0.950	0.77	6.950	4.01	12.950	1.78	18.95	0.94
0.967	0.77	6.967	4.01	12.967	1.78	18.97	0.94
0.983	0.77	6.983	4.01	12.983	1.78	18.98	0.94
1.000	0.77	7.000	4.01	13.000	1.78	19.00	0.94
1.017	0.79	7.017	4.74	13.017	1.74	19.02	0.93
1.033	0.79	7.033	4.74	13.033	1.74	19.03	0.93
1.050	0.79	7.050	4.74	13.050	1.74	19.05	0.93
1.067	0.79	7.067	4.74	13.067	1.74	19.07	0.93
1.083	0.79	7.083	4.74	13.083	1.74	19.08	0.93
1.100	0.79	7.100	4.74	13.100	1.74	19.10	0.93
1.117	0.79	7.117	4.74	13.117	1.74	19.12	0.93
1.133	0.79	7.133	4.74	13.133	1.74	19.13	0.93
1.150	0.79	7.150	4.74	13.150	1.74	19.15	0.93
1.167	0.79	7.167	4.74	13.167	1.74	19.17	0.93
1.183	0.80	7.183	5.85	13.183	1.69	19.18	0.91
1.200	0.80	7.200	5.85	13.200	1.69	19.20	0.91
1.217	0.80	7.217	5.85	13.217	1.69	19.22	0.91
1.233	0.80	7.233	5.85	13.233	1.69	19.23	0.91
1.250	0.80	7.250	5.85	13.250	1.69	19.25	0.91
1.267	0.80	7.267	5.85	13.267	1.69	19.27	0.91
1.283	0.80	7.283	5.85	13.283	1.69	19.28	0.91
1.300	0.80	7.300	5.85	13.300	1.69	19.30	0.91
1.317	0.80	7.317	5.85	13.317	1.69	19.32	0.91
1.333	0.80	7.333	5.85	13.333	1.69	19.33	0.91
1.350	0.82	7.350	7.75	13.350	1.65	19.35	0.90
1.367	0.82	7.367	7.75	13.367	1.65	19.37	0.90
1.383	0.82	7.383	7.75	13.383	1.65	19.38	0.90
1.400	0.82	7.400	7.75	13.400	1.65	19.40	0.90

1.417	0.82	7.417	7.75	13.417	1.65	19.42	0.90
1.433	0.82	7.433	7.75	13.433	1.65	19.43	0.90
1.450	0.82	7.450	7.75	13.450	1.65	19.45	0.90
1.467	0.82	7.467	7.75	13.467	1.65	19.47	0.90
1.483	0.82	7.483	7.75	13.483	1.65	19.48	0.90
1.500	0.82	7.500	7.76	13.500	1.65	19.50	0.90
1.517	0.84	7.517	11.89	13.517	1.61	19.52	0.89
1.533	0.84	7.533	11.89	13.533	1.61	19.53	0.89
1.550	0.84	7.550	11.89	13.550	1.61	19.55	0.89
1.567	0.84	7.567	11.89	13.567	1.61	19.57	0.89
1.583	0.84	7.583	11.89	13.583	1.61	19.58	0.89
1.600	0.84	7.600	11.89	13.600	1.61	19.60	0.89
1.617	0.84	7.617	11.89	13.617	1.61	19.62	0.89
1.633	0.84	7.633	11.89	13.633	1.61	19.63	0.89
1.650	0.84	7.650	11.89	13.650	1.61	19.65	0.89
1.667	0.84	7.667	11.93	13.667	1.61	19.67	0.89
1.683	0.86	7.683	28.81	13.683	1.57	19.68	0.88
1.700	0.86	7.700	28.81	13.700	1.57	19.70	0.88
1.717	0.86	7.717	28.81	13.717	1.57	19.72	0.88
1.733	0.86	7.733	28.81	13.733	1.57	19.73	0.88
1.750	0.86	7.750	28.81	13.750	1.57	19.75	0.88
1.767	0.86	7.767	28.81	13.767	1.57	19.77	0.88
1.783	0.86	7.783	28.81	13.783	1.57	19.78	0.88
1.800	0.86	7.800	28.81	13.800	1.57	19.80	0.88
1.817	0.86	7.817	28.81	13.817	1.57	19.82	0.88
1.833	0.86	7.833	29.07	13.833	1.57	19.83	0.88
1.850	0.88	7.850	121.81	13.850	1.54	19.85	0.87
1.867	0.88	7.867	121.81	13.867	1.54	19.87	0.87
1.883	0.88	7.883	121.81	13.883	1.54	19.88	0.87
1.900	0.88	7.900	121.81	13.900	1.54	19.90	0.87
1.917	0.88	7.917	121.81	13.917	1.54	19.92	0.87
1.933	0.88	7.933	121.81	13.933	1.54	19.93	0.87
1.950	0.88	7.950	121.81	13.950	1.54	19.95	0.87
1.967	0.88	7.967	121.81	13.967	1.54	19.97	0.87
1.983	0.88	7.983	121.81	13.983	1.54	19.98	0.87
2.000	0.88	8.000	121.56	14.000	1.54	20.00	0.87
2.017	0.90	8.017	37.88	14.017	1.50	20.02	0.86
2.033	0.90	8.033	37.88	14.033	1.50	20.03	0.86
2.050	0.90	8.050	37.88	14.050	1.50	20.05	0.86
2.067	0.90	8.067	37.88	14.067	1.50	20.07	0.86
2.083	0.90	8.083	37.88	14.083	1.50	20.08	0.86
2.100	0.90	8.100	37.88	14.100	1.50	20.10	0.86
2.117	0.90	8.117	37.88	14.117	1.50	20.12	0.86
2.133	0.90	8.133	37.88	14.133	1.50	20.13	0.86
2.150	0.90	8.150	37.88	14.150	1.50	20.15	0.86
2.167	0.90	8.167	37.83	14.167	1.50	20.17	0.86
2.183	0.92	8.183	19.77	14.183	1.47	20.18	0.85
2.200	0.92	8.200	19.77	14.200	1.47	20.20	0.85
2.217	0.92	8.217	19.77	14.217	1.47	20.22	0.85
2.233	0.92	8.233	19.77	14.233	1.47	20.23	0.85

2.250	0.92	8.250	19.77	14.250	1.47	20.25	0.85
2.267	0.92	8.267	19.77	14.267	1.47	20.27	0.85
2.283	0.92	8.283	19.77	14.283	1.47	20.28	0.85
2.300	0.92	8.300	19.77	14.300	1.47	20.30	0.85
2.317	0.92	8.317	19.77	14.317	1.47	20.32	0.85
2.333	0.92	8.333	19.75	14.333	1.47	20.33	0.85
2.350	0.94	8.350	13.48	14.350	1.44	20.35	0.84
2.367	0.94	8.367	13.48	14.367	1.44	20.37	0.84
2.383	0.94	8.383	13.48	14.383	1.44	20.38	0.84
2.400	0.94	8.400	13.48	14.400	1.44	20.40	0.84
2.417	0.94	8.417	13.48	14.417	1.44	20.42	0.84
2.433	0.94	8.433	13.48	14.433	1.44	20.43	0.84
2.450	0.94	8.450	13.48	14.450	1.44	20.45	0.84
2.467	0.94	8.467	13.48	14.467	1.44	20.47	0.84
2.483	0.94	8.483	13.48	14.483	1.44	20.48	0.84
2.500	0.94	8.500	13.48	14.500	1.44	20.50	0.84
2.517	0.97	8.517	10.31	14.517	1.41	20.52	0.84
2.533	0.97	8.533	10.31	14.533	1.41	20.53	0.84
2.550	0.97	8.550	10.31	14.550	1.41	20.55	0.84
2.567	0.97	8.567	10.31	14.567	1.41	20.57	0.84
2.583	0.97	8.583	10.31	14.583	1.41	20.58	0.84
2.600	0.97	8.600	10.31	14.600	1.41	20.60	0.84
2.617	0.97	8.617	10.31	14.617	1.41	20.62	0.84
2.633	0.97	8.633	10.31	14.633	1.41	20.63	0.84
2.650	0.97	8.650	10.31	14.650	1.41	20.65	0.84
2.667	0.97	8.667	10.31	14.667	1.41	20.67	0.84
2.683	0.99	8.683	8.40	14.683	1.38	20.68	0.83
2.700	0.99	8.700	8.40	14.700	1.38	20.70	0.83
2.717	0.99	8.717	8.40	14.717	1.38	20.72	0.83
2.733	0.99	8.733	8.40	14.733	1.38	20.73	0.83
2.750	0.99	8.750	8.40	14.750	1.38	20.75	0.83
2.767	0.99	8.767	8.40	14.767	1.38	20.77	0.83
2.783	0.99	8.783	8.40	14.783	1.38	20.78	0.83
2.800	0.99	8.800	8.40	14.800	1.38	20.80	0.83
2.817	0.99	8.817	8.40	14.817	1.38	20.82	0.83
2.833	0.99	8.833	8.40	14.833	1.38	20.83	0.83
2.850	1.02	8.850	7.12	14.850	1.35	20.85	0.82
2.867	1.02	8.867	7.12	14.867	1.35	20.87	0.82
2.883	1.02	8.883	7.12	14.883	1.35	20.88	0.82
2.900	1.02	8.900	7.12	14.900	1.35	20.90	0.82
2.917	1.02	8.917	7.12	14.917	1.35	20.92	0.82
2.933	1.02	8.933	7.12	14.933	1.35	20.93	0.82
2.950	1.02	8.950	7.12	14.950	1.35	20.95	0.82
2.967	1.02	8.967	7.12	14.967	1.35	20.97	0.82
2.983	1.02	8.983	7.12	14.983	1.35	20.98	0.82
3.000	1.02	9.000	7.12	15.000	1.35	21.00	0.82
3.017	1.05	9.017	6.20	15.017	1.33	21.02	0.81
3.033	1.05	9.033	6.20	15.033	1.33	21.03	0.81
3.050	1.05	9.050	6.20	15.050	1.33	21.05	0.81
3.067	1.05	9.067	6.20	15.067	1.33	21.07	0.81

3.083	1.05	9.083	6.20	15.083	1.33	21.08	0.81
3.100	1.05	9.100	6.20	15.100	1.33	21.10	0.81
3.117	1.05	9.117	6.20	15.117	1.33	21.12	0.81
3.133	1.05	9.133	6.20	15.133	1.33	21.13	0.81
3.150	1.05	9.150	6.20	15.150	1.33	21.15	0.81
3.167	1.05	9.167	6.20	15.167	1.33	21.17	0.81
3.183	1.08	9.183	5.51	15.183	1.30	21.18	0.80
3.200	1.08	9.200	5.51	15.200	1.30	21.20	0.80
3.217	1.08	9.217	5.51	15.217	1.30	21.22	0.80
3.233	1.08	9.233	5.51	15.233	1.30	21.23	0.80
3.250	1.08	9.250	5.51	15.250	1.30	21.25	0.80
3.267	1.08	9.267	5.51	15.267	1.30	21.27	0.80
3.283	1.08	9.283	5.51	15.283	1.30	21.28	0.80
3.300	1.08	9.300	5.51	15.300	1.30	21.30	0.80
3.317	1.08	9.317	5.51	15.317	1.30	21.32	0.80
3.333	1.08	9.333	5.51	15.333	1.30	21.33	0.80
3.350	1.11	9.350	4.96	15.350	1.28	21.35	0.79
3.367	1.11	9.367	4.96	15.367	1.28	21.37	0.79
3.383	1.11	9.383	4.96	15.383	1.28	21.38	0.79
3.400	1.11	9.400	4.96	15.400	1.28	21.40	0.79
3.417	1.11	9.417	4.96	15.417	1.28	21.42	0.79
3.433	1.11	9.433	4.96	15.433	1.28	21.43	0.79
3.450	1.11	9.450	4.96	15.450	1.28	21.45	0.79
3.467	1.11	9.467	4.96	15.467	1.28	21.47	0.79
3.483	1.11	9.483	4.96	15.483	1.28	21.48	0.79
3.500	1.11	9.500	4.96	15.500	1.28	21.50	0.79
3.517	1.14	9.517	4.53	15.517	1.26	21.52	0.79
3.533	1.14	9.533	4.53	15.533	1.26	21.53	0.79
3.550	1.14	9.550	4.53	15.550	1.26	21.55	0.79
3.567	1.14	9.567	4.53	15.567	1.26	21.57	0.79
3.583	1.14	9.583	4.53	15.583	1.26	21.58	0.79
3.600	1.14	9.600	4.53	15.600	1.26	21.60	0.79
3.617	1.14	9.617	4.53	15.617	1.26	21.62	0.79
3.633	1.14	9.633	4.53	15.633	1.26	21.63	0.79
3.650	1.14	9.650	4.53	15.650	1.26	21.65	0.79
3.667	1.14	9.667	4.53	15.667	1.26	21.67	0.79
3.683	1.18	9.683	4.17	15.683	1.23	21.68	0.78
3.700	1.18	9.700	4.17	15.700	1.23	21.70	0.78
3.717	1.18	9.717	4.17	15.717	1.23	21.72	0.78
3.733	1.18	9.733	4.17	15.733	1.23	21.73	0.78
3.750	1.18	9.750	4.17	15.750	1.23	21.75	0.78
3.767	1.18	9.767	4.17	15.767	1.23	21.77	0.78
3.783	1.18	9.783	4.17	15.783	1.23	21.78	0.78
3.800	1.18	9.800	4.17	15.800	1.23	21.80	0.78
3.817	1.18	9.817	4.17	15.817	1.23	21.82	0.78
3.833	1.18	9.833	4.17	15.833	1.23	21.83	0.78
3.850	1.22	9.850	3.86	15.850	1.21	21.85	0.77
3.867	1.22	9.867	3.86	15.867	1.21	21.87	0.77
3.883	1.22	9.883	3.86	15.883	1.21	21.88	0.77
3.900	1.22	9.900	3.86	15.900	1.21	21.90	0.77

3.917	1.22	9.917	3.86	15.917	1.21	21.92	0.77
3.933	1.22	9.933	3.86	15.933	1.21	21.93	0.77
3.950	1.22	9.950	3.86	15.950	1.21	21.95	0.77
3.967	1.22	9.967	3.86	15.967	1.21	21.97	0.77
3.983	1.22	9.983	3.86	15.983	1.21	21.98	0.77
4.000	1.22	10.000	3.86	16.000	1.21	22.00	0.77
4.017	1.27	10.017	3.61	16.017	1.19	22.02	0.76
4.033	1.27	10.033	3.61	16.033	1.19	22.03	0.76
4.050	1.27	10.050	3.61	16.050	1.19	22.05	0.76
4.067	1.27	10.067	3.61	16.067	1.19	22.07	0.76
4.083	1.27	10.083	3.61	16.083	1.19	22.08	0.76
4.100	1.27	10.100	3.61	16.100	1.19	22.10	0.76
4.117	1.27	10.117	3.61	16.117	1.19	22.12	0.76
4.133	1.27	10.133	3.61	16.133	1.19	22.13	0.76
4.150	1.27	10.150	3.61	16.150	1.19	22.15	0.76
4.167	1.27	10.167	3.61	16.167	1.19	22.17	0.76
4.183	1.31	10.183	3.38	16.183	1.17	22.18	0.76
4.200	1.31	10.200	3.38	16.200	1.17	22.20	0.76
4.217	1.31	10.217	3.38	16.217	1.17	22.22	0.76
4.233	1.31	10.233	3.38	16.233	1.17	22.23	0.76
4.250	1.31	10.250	3.38	16.250	1.17	22.25	0.76
4.267	1.31	10.267	3.38	16.267	1.17	22.27	0.76
4.283	1.31	10.283	3.38	16.283	1.17	22.28	0.76
4.300	1.31	10.300	3.38	16.300	1.17	22.30	0.76
4.317	1.31	10.317	3.38	16.317	1.17	22.32	0.76
4.333	1.31	10.333	3.38	16.333	1.17	22.33	0.76
4.350	1.37	10.350	3.19	16.350	1.16	22.35	0.75
4.367	1.37	10.367	3.19	16.367	1.15	22.37	0.75
4.383	1.37	10.383	3.19	16.383	1.15	22.38	0.75
4.400	1.37	10.400	3.19	16.400	1.15	22.40	0.75
4.417	1.37	10.417	3.19	16.417	1.15	22.42	0.75
4.433	1.37	10.433	3.19	16.433	1.15	22.43	0.75
4.450	1.37	10.450	3.19	16.450	1.15	22.45	0.75
4.467	1.37	10.467	3.19	16.467	1.15	22.47	0.75
4.483	1.37	10.483	3.19	16.483	1.15	22.48	0.75
4.500	1.37	10.500	3.19	16.500	1.15	22.50	0.75
4.517	1.42	10.517	3.02	16.517	1.14	22.52	0.74
4.533	1.42	10.533	3.02	16.533	1.14	22.53	0.74
4.550	1.42	10.550	3.02	16.550	1.14	22.55	0.74
4.567	1.42	10.567	3.02	16.567	1.14	22.57	0.74
4.583	1.42	10.583	3.02	16.583	1.14	22.58	0.74
4.600	1.42	10.600	3.02	16.600	1.14	22.60	0.74
4.617	1.42	10.617	3.02	16.617	1.14	22.62	0.74
4.633	1.42	10.633	3.02	16.633	1.14	22.63	0.74
4.650	1.42	10.650	3.02	16.650	1.14	22.65	0.74
4.667	1.42	10.667	3.02	16.667	1.14	22.67	0.74
4.683	1.48	10.683	2.87	16.683	1.12	22.68	0.74
4.700	1.48	10.700	2.87	16.700	1.12	22.70	0.74
4.717	1.48	10.717	2.87	16.717	1.12	22.72	0.74
4.733	1.48	10.733	2.87	16.733	1.12	22.73	0.74

4.750	1.48	10.750	2.87	16.750	1.12	22.75	0.74
4.767	1.48	10.767	2.87	16.767	1.12	22.77	0.74
4.783	1.48	10.783	2.87	16.783	1.12	22.78	0.74
4.800	1.48	10.800	2.87	16.800	1.12	22.80	0.74
4.817	1.48	10.817	2.87	16.817	1.12	22.82	0.74
4.833	1.48	10.833	2.87	16.833	1.12	22.83	0.74
4.850	1.55	10.850	2.73	16.850	1.10	22.85	0.73
4.867	1.55	10.867	2.73	16.867	1.10	22.87	0.73
4.883	1.55	10.883	2.73	16.883	1.10	22.88	0.73
4.900	1.55	10.900	2.73	16.900	1.10	22.90	0.73
4.917	1.55	10.917	2.73	16.917	1.10	22.92	0.73
4.933	1.55	10.933	2.73	16.933	1.10	22.93	0.73
4.950	1.55	10.950	2.73	16.950	1.10	22.95	0.73
4.967	1.55	10.967	2.73	16.967	1.10	22.97	0.73
4.983	1.55	10.983	2.73	16.983	1.10	22.98	0.73
5.000	1.55	11.000	2.73	17.000	1.10	23.00	0.73
5.017	1.63	11.017	2.61	17.017	1.09	23.02	0.72
5.033	1.63	11.033	2.61	17.033	1.09	23.03	0.72
5.050	1.63	11.050	2.61	17.050	1.09	23.05	0.72
5.067	1.63	11.067	2.61	17.067	1.09	23.07	0.72
5.083	1.63	11.083	2.61	17.083	1.09	23.08	0.72
5.100	1.63	11.100	2.61	17.100	1.09	23.10	0.72
5.117	1.63	11.117	2.61	17.117	1.09	23.12	0.72
5.133	1.63	11.133	2.61	17.133	1.09	23.13	0.72
5.150	1.63	11.150	2.61	17.150	1.09	23.15	0.72
5.167	1.63	11.167	2.61	17.167	1.09	23.17	0.72
5.183	1.71	11.183	2.50	17.183	1.07	23.18	0.72
5.200	1.71	11.200	2.50	17.200	1.07	23.20	0.72
5.217	1.71	11.217	2.50	17.217	1.07	23.22	0.72
5.233	1.71	11.233	2.50	17.233	1.07	23.23	0.72
5.250	1.71	11.250	2.50	17.250	1.07	23.25	0.72
5.267	1.71	11.267	2.50	17.267	1.07	23.27	0.72
5.283	1.71	11.283	2.50	17.283	1.07	23.28	0.72
5.300	1.71	11.300	2.50	17.300	1.07	23.30	0.72
5.317	1.71	11.317	2.50	17.317	1.07	23.32	0.72
5.333	1.71	11.333	2.50	17.333	1.07	23.33	0.72
5.350	1.81	11.350	2.40	17.350	1.06	23.35	0.71
5.367	1.81	11.367	2.40	17.367	1.05	23.37	0.71
5.383	1.81	11.383	2.40	17.383	1.05	23.38	0.71
5.400	1.81	11.400	2.40	17.400	1.05	23.40	0.71
5.417	1.81	11.417	2.40	17.417	1.05	23.42	0.71
5.433	1.81	11.433	2.40	17.433	1.05	23.43	0.71
5.450	1.81	11.450	2.40	17.450	1.05	23.45	0.71
5.467	1.81	11.467	2.40	17.467	1.05	23.47	0.71
5.483	1.81	11.483	2.40	17.483	1.05	23.48	0.71
5.500	1.81	11.500	2.40	17.500	1.05	23.50	0.71
5.517	1.92	11.517	2.31	17.517	1.04	23.52	0.70
5.533	1.92	11.533	2.31	17.533	1.04	23.53	0.70
5.550	1.92	11.550	2.31	17.550	1.04	23.55	0.70
5.567	1.92	11.567	2.31	17.567	1.04	23.57	0.70

5.583	1.92	11.583	2.31	17.583	1.04	23.58	0.70
5.600	1.92	11.600	2.31	17.600	1.04	23.60	0.70
5.617	1.92	11.617	2.31	17.617	1.04	23.62	0.70
5.633	1.92	11.633	2.31	17.633	1.04	23.63	0.70
5.650	1.92	11.650	2.31	17.650	1.04	23.65	0.70
5.667	1.92	11.667	2.31	17.667	1.04	23.67	0.70
5.683	2.04	11.683	2.23	17.683	1.03	23.68	0.70
5.700	2.04	11.700	2.23	17.700	1.03	23.70	0.70
5.717	2.04	11.717	2.23	17.717	1.03	23.72	0.70
5.733	2.04	11.733	2.23	17.733	1.03	23.73	0.70
5.750	2.04	11.750	2.23	17.750	1.03	23.75	0.70
5.767	2.04	11.767	2.23	17.767	1.03	23.77	0.70
5.783	2.04	11.783	2.23	17.783	1.03	23.78	0.70
5.800	2.04	11.800	2.23	17.800	1.03	23.80	0.70
5.817	2.04	11.817	2.23	17.817	1.03	23.82	0.70
5.833	2.04	11.833	2.23	17.833	1.03	23.83	0.70
5.850	2.18	11.850	2.15	17.850	1.01	23.85	0.69
5.867	2.18	11.867	2.15	17.867	1.01	23.87	0.69
5.883	2.18	11.883	2.15	17.883	1.01	23.88	0.69
5.900	2.18	11.900	2.15	17.900	1.01	23.90	0.69
5.917	2.18	11.917	2.15	17.917	1.01	23.92	0.69
5.933	2.18	11.933	2.15	17.933	1.01	23.93	0.69
5.950	2.18	11.950	2.15	17.950	1.01	23.95	0.69
5.967	2.18	11.967	2.15	17.967	1.01	23.97	0.69
5.983	2.18	11.983	2.15	17.983	1.01	23.98	0.69
6.000	2.18	12.000	2.15	18.000	1.01	24.00	0.69

Max.Eff.Inten.(mm/hr)=	121.81	106.02	
over (min)	5.00	12.00	
Storage Coeff. (min)=	4.76 (ii)	11.39 (ii)	
Unit Hyd. Tpeak (min)=	5.00	12.00	
Unit Hyd. peak (cms)=	0.23	0.10	
		TOTALS	
PEAK FLOW (cms)=	2.20	1.34	3.220 (iii)
TIME TO PEAK (hrs)=	8.02	8.13	8.03
RUNOFF VOLUME (mm)=	79.05	66.55	72.69
TOTAL RAINFALL (mm)=	80.06	80.06	80.06
RUNOFF COEFFICIENT =	0.99	0.83	0.91

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 94.0 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.

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      V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
      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

       OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
      O   O    T      T    H   H   Y Y   MM MM  O   O
      O   O    T      T    H   H    Y    M   M  O   O
       OOO     T      T    H   H    Y    M   M   OOO
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                  *****  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\voin.dat

  Output  filename:
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ba-9d74-4cd2-a420-08c4f24a6bdf\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\acddb8
ba-9d74-4cd2-a420-08c4f24a6bdf\scenari


DATE: 01-27-2026                          TIME: 02:07:39

USER:


COMMENTS: _____________________________________________________________


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  **********************************************
  ** SIMULATION : 5 - 25-Year 24hr Chic - Milto **
  **********************************************

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| CHICAGO STORM    |    IDF curve parameters: A=1234.000
| Ptotal= 97.01 mm |                          B=   5.500
--------------------                          C=   0.786
                        used in:   INTENSITY =  A / (t + B)^C

                        Duration of storm  = 24.00 hrs
```

Storm time step = 10.00 min
Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	0.89	6.00	2.92	12.00	2.59	18.00	1.26
0.17	0.91	6.17	3.17	12.17	2.50	18.17	1.24
0.33	0.92	6.33	3.47	12.33	2.43	18.33	1.22
0.50	0.94	6.50	3.84	12.50	2.36	18.50	1.21
0.67	0.96	6.67	4.31	12.67	2.29	18.67	1.19
0.83	0.98	6.83	4.94	12.83	2.23	18.83	1.18
1.00	1.00	7.00	5.82	13.00	2.17	19.00	1.17
1.17	1.02	7.17	7.15	13.17	2.11	19.17	1.15
1.33	1.04	7.33	9.42	13.33	2.06	19.33	1.14
1.50	1.06	7.50	14.31	13.50	2.01	19.50	1.13
1.67	1.08	7.67	34.08	13.67	1.97	19.67	1.11
1.83	1.11	7.83	143.01	13.83	1.92	19.83	1.10
2.00	1.13	8.00	44.65	14.00	1.88	20.00	1.09
2.17	1.16	8.17	23.56	14.17	1.84	20.17	1.08
2.33	1.19	8.33	16.20	14.33	1.80	20.33	1.07
2.50	1.22	8.50	12.46	14.50	1.76	20.50	1.05
2.67	1.25	8.67	10.19	14.67	1.73	20.67	1.04
2.83	1.28	8.83	8.67	14.83	1.70	20.83	1.03
3.00	1.32	9.00	7.57	15.00	1.66	21.00	1.02
3.17	1.35	9.17	6.74	15.17	1.63	21.17	1.01
3.33	1.39	9.33	6.09	15.33	1.60	21.33	1.00
3.50	1.44	9.50	5.56	15.50	1.58	21.50	0.99
3.67	1.48	9.67	5.13	15.67	1.55	21.67	0.98
3.83	1.53	9.83	4.76	15.83	1.52	21.83	0.97
4.00	1.59	10.00	4.45	16.00	1.50	22.00	0.96
4.17	1.65	10.17	4.18	16.17	1.47	22.17	0.96
4.33	1.71	10.33	3.95	16.33	1.45	22.33	0.95
4.50	1.78	10.50	3.74	16.50	1.43	22.50	0.94
4.67	1.86	10.67	3.55	16.67	1.41	22.67	0.93
4.83	1.94	10.83	3.39	16.83	1.39	22.83	0.92
5.00	2.03	11.00	3.24	17.00	1.37	23.00	0.91
5.17	2.14	11.17	3.11	17.17	1.35	23.17	0.91
5.33	2.26	11.33	2.98	17.33	1.33	23.33	0.90
5.50	2.39	11.50	2.87	17.50	1.31	23.50	0.89
5.67	2.54	11.67	2.77	17.67	1.29	23.67	0.88
5.83	2.72	11.83	2.67	17.83	1.27	23.83	0.88

CALIB
STANDHYD (0001)
ID= 1 DT= 1.0 min

Area (ha)= 15.57
Total Imp(%)= 49.00 Dir. Conn.(%)= 49.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	7.63	7.94
Dep. Storage (mm)=	1.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	322.18	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.89	6.017	2.92	12.017	2.59	18.02	1.26
0.033	0.89	6.033	2.92	12.033	2.59	18.03	1.26
0.050	0.89	6.050	2.92	12.050	2.59	18.05	1.26
0.067	0.89	6.067	2.92	12.067	2.59	18.07	1.26
0.083	0.89	6.083	2.92	12.083	2.59	18.08	1.26
0.100	0.89	6.100	2.92	12.100	2.59	18.10	1.26
0.117	0.89	6.117	2.92	12.117	2.59	18.12	1.26
0.133	0.89	6.133	2.92	12.133	2.59	18.13	1.26
0.150	0.89	6.150	2.92	12.150	2.59	18.15	1.26
0.167	0.89	6.167	2.92	12.167	2.59	18.17	1.26
0.183	0.91	6.183	3.17	12.183	2.50	18.18	1.24
0.200	0.91	6.200	3.17	12.200	2.50	18.20	1.24
0.217	0.91	6.217	3.17	12.217	2.50	18.22	1.24
0.233	0.91	6.233	3.17	12.233	2.50	18.23	1.24
0.250	0.91	6.250	3.17	12.250	2.50	18.25	1.24
0.267	0.91	6.267	3.17	12.267	2.50	18.27	1.24
0.283	0.91	6.283	3.17	12.283	2.50	18.28	1.24
0.300	0.91	6.300	3.17	12.300	2.50	18.30	1.24
0.317	0.91	6.317	3.17	12.317	2.50	18.32	1.24
0.333	0.91	6.333	3.17	12.333	2.50	18.33	1.24
0.350	0.92	6.350	3.47	12.350	2.43	18.35	1.22
0.367	0.92	6.367	3.47	12.367	2.43	18.37	1.22
0.383	0.92	6.383	3.47	12.383	2.43	18.38	1.22
0.400	0.92	6.400	3.47	12.400	2.43	18.40	1.22
0.417	0.92	6.417	3.47	12.417	2.43	18.42	1.22
0.433	0.92	6.433	3.47	12.433	2.43	18.43	1.22
0.450	0.92	6.450	3.47	12.450	2.43	18.45	1.22
0.467	0.92	6.467	3.47	12.467	2.43	18.47	1.22
0.483	0.92	6.483	3.47	12.483	2.43	18.48	1.22
0.500	0.92	6.500	3.47	12.500	2.43	18.50	1.22
0.517	0.94	6.517	3.84	12.517	2.36	18.52	1.21
0.533	0.94	6.533	3.84	12.533	2.36	18.53	1.21
0.550	0.94	6.550	3.84	12.550	2.36	18.55	1.21
0.567	0.94	6.567	3.84	12.567	2.36	18.57	1.21
0.583	0.94	6.583	3.84	12.583	2.36	18.58	1.21
0.600	0.94	6.600	3.84	12.600	2.36	18.60	1.21
0.617	0.94	6.617	3.84	12.617	2.36	18.62	1.21
0.633	0.94	6.633	3.84	12.633	2.36	18.63	1.21
0.650	0.94	6.650	3.84	12.650	2.36	18.65	1.21
0.667	0.94	6.667	3.84	12.667	2.36	18.67	1.21
0.683	0.96	6.683	4.31	12.683	2.29	18.68	1.19
0.700	0.96	6.700	4.31	12.700	2.29	18.70	1.19
0.717	0.96	6.717	4.31	12.717	2.29	18.72	1.19
0.733	0.96	6.733	4.31	12.733	2.29	18.73	1.19
0.750	0.96	6.750	4.31	12.750	2.29	18.75	1.19
0.767	0.96	6.767	4.31	12.767	2.29	18.77	1.19
0.783	0.96	6.783	4.31	12.783	2.29	18.78	1.19
0.800	0.96	6.800	4.31	12.800	2.29	18.80	1.19
0.817	0.96	6.817	4.31	12.817	2.29	18.82	1.19
0.833	0.96	6.833	4.31	12.833	2.29	18.83	1.19
0.850	0.98	6.850	4.94	12.850	2.23	18.85	1.18
0.867	0.98	6.867	4.94	12.867	2.23	18.87	1.18
0.883	0.98	6.883	4.94	12.883	2.23	18.88	1.18
0.900	0.98	6.900	4.94	12.900	2.23	18.90	1.18
0.917	0.98	6.917	4.94	12.917	2.23	18.92	1.18
0.933	0.98	6.933	4.94	12.933	2.23	18.93	1.18
0.950	0.98	6.950	4.94	12.950	2.23	18.95	1.18
0.967	0.98	6.967	4.94	12.967	2.23	18.97	1.18
0.983	0.98	6.983	4.94	12.983	2.23	18.98	1.18
1.000	0.98	7.000	4.94	13.000	2.23	19.00	1.18
1.017	1.00	7.017	5.82	13.017	2.17	19.02	1.17
1.033	1.00	7.033	5.82	13.033	2.17	19.03	1.17
1.050	1.00	7.050	5.82	13.050	2.17	19.05	1.17
1.067	1.00	7.067	5.82	13.067	2.17	19.07	1.17
1.083	1.00	7.083	5.82	13.083	2.17	19.08	1.17
1.100	1.00	7.100	5.82	13.100	2.17	19.10	1.17
1.117	1.00	7.117	5.82	13.117	2.17	19.12	1.17
1.133	1.00	7.133	5.82	13.133	2.17	19.13	1.17
1.150	1.00	7.150	5.82	13.150	2.17	19.15	1.17
1.167	1.00	7.167	5.82	13.167	2.17	19.17	1.17
1.183	1.02	7.183	7.15	13.183	2.11	19.18	1.15
1.200	1.02	7.200	7.15	13.200	2.11	19.20	1.15
1.217	1.02	7.217	7.15	13.217	2.11	19.22	1.15
1.233	1.02	7.233	7.15	13.233	2.11	19.23	1.15
1.250	1.02	7.250	7.15	13.250	2.11	19.25	1.15
1.267	1.02	7.267	7.15	13.267	2.11	19.27	1.15
1.283	1.02	7.283	7.15	13.283	2.11	19.28	1.15
1.300	1.02	7.300	7.15	13.300	2.11	19.30	1.15
1.317	1.02	7.317	7.15	13.317	2.11	19.32	1.15
1.333	1.02	7.333	7.15	13.333	2.11	19.33	1.15
1.350	1.04	7.350	9.42	13.350	2.06	19.35	1.14
1.367	1.04	7.367	9.42	13.367	2.06	19.37	1.14
1.383	1.04	7.383	9.42	13.383	2.06	19.38	1.14
1.400	1.04	7.400	9.42	13.400	2.06	19.40	1.14
1.417	1.04	7.417	9.42	13.417	2.06	19.42	1.14
1.433	1.04	7.433	9.42	13.433	2.06	19.43	1.14
1.450	1.04	7.450	9.42	13.450	2.06	19.45	1.14
1.467	1.04	7.467	9.42	13.467	2.06	19.47	1.14
1.483	1.04	7.483	9.42	13.483	2.06	19.48	1.14
1.500	1.04	7.500	9.43	13.500	2.06	19.50	1.14
1.517	1.06	7.517	14.31	13.517	2.01	19.52	1.13
1.533	1.06	7.533	14.31	13.533	2.01	19.53	1.13
1.550	1.06	7.550	14.31	13.550	2.01	19.55	1.13
1.567	1.06	7.567	14.31	13.567	2.01	19.57	1.13
1.583	1.06	7.583	14.31	13.583	2.01	19.58	1.13
1.600	1.06	7.600	14.31	13.600	2.01	19.60	1.13
1.617	1.06	7.617	14.31	13.617	2.01	19.62	1.13
1.633	1.06	7.633	14.31	13.633	2.01	19.63	1.13
1.650	1.06	7.650	14.31	13.650	2.01	19.65	1.13
1.667	1.06	7.667	14.37	13.667	2.01	19.67	1.13
1.683	1.08	7.683	34.08	13.683	1.97	19.68	1.11
1.700	1.08	7.700	34.08	13.700	1.97	19.70	1.11
1.717	1.08	7.717	34.08	13.717	1.97	19.72	1.11
1.733	1.08	7.733	34.08	13.733	1.97	19.73	1.11
1.750	1.08	7.750	34.08	13.750	1.97	19.75	1.11
1.767	1.08	7.767	34.08	13.767	1.97	19.77	1.11
1.783	1.08	7.783	34.08	13.783	1.97	19.78	1.11
1.800	1.08	7.800	34.08	13.800	1.97	19.80	1.11
1.817	1.08	7.817	34.08	13.817	1.97	19.82	1.11
1.833	1.08	7.833	34.39	13.833	1.97	19.83	1.11
1.850	1.11	7.850	143.01	13.850	1.92	19.85	1.10
1.867	1.11	7.867	143.01	13.867	1.92	19.87	1.10
1.883	1.11	7.883	143.01	13.883	1.92	19.88	1.10
1.900	1.11	7.900	143.01	13.900	1.92	19.90	1.10
1.917	1.11	7.917	143.01	13.917	1.92	19.92	1.10
1.933	1.11	7.933	143.01	13.933	1.92	19.93	1.10
1.950	1.11	7.950	143.01	13.950	1.92	19.95	1.10
1.967	1.11	7.967	143.01	13.967	1.92	19.97	1.10
1.983	1.11	7.983	143.01	13.983	1.92	19.98	1.10
2.000	1.11	8.000	142.72	14.000	1.92	20.00	1.10
2.017	1.13	8.017	44.65	14.017	1.88	20.02	1.09
2.033	1.13	8.033	44.65	14.033	1.88	20.03	1.09
2.050	1.13	8.050	44.65	14.050	1.88	20.05	1.09
2.067	1.13	8.067	44.65	14.067	1.88	20.07	1.09
2.083	1.13	8.083	44.65	14.083	1.88	20.08	1.09
2.100	1.13	8.100	44.65	14.100	1.88	20.10	1.09
2.117	1.13	8.117	44.65	14.117	1.88	20.12	1.09
2.133	1.13	8.133	44.65	14.133	1.88	20.13	1.09
2.150	1.13	8.150	44.65	14.150	1.88	20.15	1.09
2.167	1.13	8.167	44.59	14.167	1.88	20.17	1.09
2.183	1.16	8.183	23.56	14.183	1.84	20.18	1.08
2.200	1.16	8.200	23.56	14.200	1.84	20.20	1.08
2.217	1.16	8.217	23.56	14.217	1.84	20.22	1.08
2.233	1.16	8.233	23.56	14.233	1.84	20.23	1.08
2.250	1.16	8.250	23.56	14.250	1.84	20.25	1.08
2.267	1.16	8.267	23.56	14.267	1.84	20.27	1.08
2.283	1.16	8.283	23.56	14.283	1.84	20.28	1.08
2.300	1.16	8.300	23.56	14.300	1.84	20.30	1.08

2.317	1.16	8.317	23.56	14.317	1.84	20.32	1.08
2.333	1.16	8.333	23.54	14.333	1.84	20.33	1.08
2.350	1.19	8.350	16.20	14.350	1.80	20.35	1.07
2.367	1.19	8.367	16.20	14.367	1.80	20.37	1.07
2.383	1.19	8.383	16.20	14.383	1.80	20.38	1.07
2.400	1.19	8.400	16.20	14.400	1.80	20.40	1.07
2.417	1.19	8.417	16.20	14.417	1.80	20.42	1.07
2.433	1.19	8.433	16.20	14.433	1.80	20.43	1.07
2.450	1.19	8.450	16.20	14.450	1.80	20.45	1.07
2.467	1.19	8.467	16.20	14.467	1.80	20.47	1.07
2.483	1.19	8.483	16.20	14.483	1.80	20.48	1.07
2.500	1.19	8.500	16.19	14.500	1.80	20.50	1.07
2.517	1.22	8.517	12.46	14.517	1.76	20.52	1.05
2.533	1.22	8.533	12.46	14.533	1.76	20.53	1.05
2.550	1.22	8.550	12.46	14.550	1.76	20.55	1.05
2.567	1.22	8.567	12.46	14.567	1.76	20.57	1.05
2.583	1.22	8.583	12.46	14.583	1.76	20.58	1.05
2.600	1.22	8.600	12.46	14.600	1.76	20.60	1.05
2.617	1.22	8.617	12.46	14.617	1.76	20.62	1.05
2.633	1.22	8.633	12.46	14.633	1.76	20.63	1.05
2.650	1.22	8.650	12.46	14.650	1.76	20.65	1.05
2.667	1.22	8.667	12.45	14.667	1.76	20.67	1.05
2.683	1.25	8.683	10.19	14.683	1.73	20.68	1.04
2.700	1.25	8.700	10.19	14.700	1.73	20.70	1.04
2.717	1.25	8.717	10.19	14.717	1.73	20.72	1.04
2.733	1.25	8.733	10.19	14.733	1.73	20.73	1.04
2.750	1.25	8.750	10.19	14.750	1.73	20.75	1.04
2.767	1.25	8.767	10.19	14.767	1.73	20.77	1.04
2.783	1.25	8.783	10.19	14.783	1.73	20.78	1.04
2.800	1.25	8.800	10.19	14.800	1.73	20.80	1.04
2.817	1.25	8.817	10.19	14.817	1.73	20.82	1.04
2.833	1.25	8.833	10.19	14.833	1.73	20.83	1.04
2.850	1.28	8.850	8.67	14.850	1.70	20.85	1.03
2.867	1.28	8.867	8.67	14.867	1.70	20.87	1.03
2.883	1.28	8.883	8.67	14.883	1.70	20.88	1.03
2.900	1.28	8.900	8.67	14.900	1.70	20.90	1.03
2.917	1.28	8.917	8.67	14.917	1.70	20.92	1.03
2.933	1.28	8.933	8.67	14.933	1.70	20.93	1.03
2.950	1.28	8.950	8.67	14.950	1.70	20.95	1.03
2.967	1.28	8.967	8.67	14.967	1.70	20.97	1.03
2.983	1.28	8.983	8.67	14.983	1.70	20.98	1.03
3.000	1.28	9.000	8.67	15.000	1.70	21.00	1.03
3.017	1.32	9.017	7.57	15.017	1.66	21.02	1.02
3.033	1.32	9.033	7.57	15.033	1.66	21.03	1.02
3.050	1.32	9.050	7.57	15.050	1.66	21.05	1.02
3.067	1.32	9.067	7.57	15.067	1.66	21.07	1.02
3.083	1.32	9.083	7.57	15.083	1.66	21.08	1.02
3.100	1.32	9.100	7.57	15.100	1.66	21.10	1.02
3.117	1.32	9.117	7.57	15.117	1.66	21.12	1.02
3.133	1.32	9.133	7.57	15.133	1.66	21.13	1.02
3.150	1.32	9.150	7.57	15.150	1.66	21.15	1.02
3.167	1.32	9.167	7.57	15.167	1.66	21.17	1.02
3.183	1.35	9.183	6.74	15.183	1.63	21.18	1.01
3.200	1.35	9.200	6.74	15.200	1.63	21.20	1.01
3.217	1.35	9.217	6.74	15.217	1.63	21.22	1.01
3.233	1.35	9.233	6.74	15.233	1.63	21.23	1.01
3.250	1.35	9.250	6.74	15.250	1.63	21.25	1.01
3.267	1.35	9.267	6.74	15.267	1.63	21.27	1.01
3.283	1.35	9.283	6.74	15.283	1.63	21.28	1.01
3.300	1.35	9.300	6.74	15.300	1.63	21.30	1.01
3.317	1.35	9.317	6.74	15.317	1.63	21.32	1.01
3.333	1.35	9.333	6.74	15.333	1.63	21.33	1.01
3.350	1.39	9.350	6.09	15.350	1.60	21.35	1.00
3.367	1.39	9.367	6.09	15.367	1.60	21.37	1.00
3.383	1.39	9.383	6.09	15.383	1.60	21.38	1.00
3.400	1.39	9.400	6.09	15.400	1.60	21.40	1.00
3.417	1.39	9.417	6.09	15.417	1.60	21.42	1.00
3.433	1.39	9.433	6.09	15.433	1.60	21.43	1.00
3.450	1.39	9.450	6.09	15.450	1.60	21.45	1.00
3.467	1.39	9.467	6.09	15.467	1.60	21.47	1.00
3.483	1.39	9.483	6.09	15.483	1.60	21.48	1.00
3.500	1.39	9.500	6.09	15.500	1.60	21.50	1.00
3.517	1.44	9.517	5.56	15.517	1.58	21.52	0.99
3.533	1.44	9.533	5.56	15.533	1.58	21.53	0.99
3.550	1.44	9.550	5.56	15.550	1.58	21.55	0.99
3.567	1.44	9.567	5.56	15.567	1.58	21.57	0.99
3.583	1.44	9.583	5.56	15.583	1.58	21.58	0.99
3.600	1.44	9.600	5.56	15.600	1.58	21.60	0.99
3.617	1.44	9.617	5.56	15.617	1.58	21.62	0.99
3.633	1.44	9.633	5.56	15.633	1.58	21.63	0.99
3.650	1.44	9.650	5.56	15.650	1.58	21.65	0.99
3.667	1.44	9.667	5.56	15.667	1.58	21.67	0.99
3.683	1.48	9.683	5.13	15.683	1.55	21.68	0.98
3.700	1.48	9.700	5.13	15.700	1.55	21.70	0.98
3.717	1.48	9.717	5.13	15.717	1.55	21.72	0.98
3.733	1.48	9.733	5.13	15.733	1.55	21.73	0.98
3.750	1.48	9.750	5.13	15.750	1.55	21.75	0.98
3.767	1.48	9.767	5.13	15.767	1.55	21.77	0.98
3.783	1.48	9.783	5.13	15.783	1.55	21.78	0.98
3.800	1.48	9.800	5.13	15.800	1.55	21.80	0.98
3.817	1.48	9.817	5.13	15.817	1.55	21.82	0.98
3.833	1.48	9.833	5.13	15.833	1.55	21.83	0.98
3.850	1.53	9.850	4.76	15.850	1.52	21.85	0.97
3.867	1.53	9.867	4.76	15.867	1.52	21.87	0.97
3.883	1.53	9.883	4.76	15.883	1.52	21.88	0.97
3.900	1.53	9.900	4.76	15.900	1.52	21.90	0.97
3.917	1.53	9.917	4.76	15.917	1.52	21.92	0.97
3.933	1.53	9.933	4.76	15.933	1.52	21.93	0.97
3.950	1.53	9.950	4.76	15.950	1.52	21.95	0.97
3.967	1.53	9.967	4.76	15.967	1.52	21.97	0.97
3.983	1.53	9.983	4.76	15.983	1.52	21.98	0.97
4.000	1.53	10.000	4.76	16.000	1.52	22.00	0.97
4.017	1.59	10.017	4.45	16.017	1.50	22.02	0.96
4.033	1.59	10.033	4.45	16.033	1.50	22.03	0.96
4.050	1.59	10.050	4.45	16.050	1.50	22.05	0.96
4.067	1.59	10.067	4.45	16.067	1.50	22.07	0.96
4.083	1.59	10.083	4.45	16.083	1.50	22.08	0.96
4.100	1.59	10.100	4.45	16.100	1.50	22.10	0.96
4.117	1.59	10.117	4.45	16.117	1.50	22.12	0.96
4.133	1.59	10.133	4.45	16.133	1.50	22.13	0.96
4.150	1.59	10.150	4.45	16.150	1.50	22.15	0.96
4.167	1.59	10.167	4.45	16.167	1.50	22.17	0.96
4.183	1.65	10.183	4.18	16.183	1.47	22.18	0.96
4.200	1.65	10.200	4.18	16.200	1.47	22.20	0.96
4.217	1.65	10.217	4.18	16.217	1.47	22.22	0.96
4.233	1.65	10.233	4.18	16.233	1.47	22.23	0.96
4.250	1.65	10.250	4.18	16.250	1.47	22.25	0.96
4.267	1.65	10.267	4.18	16.267	1.47	22.27	0.96
4.283	1.65	10.283	4.18	16.283	1.47	22.28	0.96
4.300	1.65	10.300	4.18	16.300	1.47	22.30	0.96
4.317	1.65	10.317	4.18	16.317	1.47	22.32	0.96
4.333	1.65	10.333	4.18	16.333	1.47	22.33	0.96
4.350	1.71	10.350	3.95	16.350	1.45	22.35	0.95
4.367	1.71	10.367	3.95	16.367	1.45	22.37	0.95
4.383	1.71	10.383	3.95	16.383	1.45	22.38	0.95
4.400	1.71	10.400	3.95	16.400	1.45	22.40	0.95
4.417	1.71	10.417	3.95	16.417	1.45	22.42	0.95
4.433	1.71	10.433	3.95	16.433	1.45	22.43	0.95
4.450	1.71	10.450	3.95	16.450	1.45	22.45	0.95
4.467	1.71	10.467	3.95	16.467	1.45	22.47	0.95
4.483	1.71	10.483	3.95	16.483	1.45	22.48	0.95
4.500	1.71	10.500	3.95	16.500	1.45	22.50	0.95
4.517	1.78	10.517	3.74	16.517	1.43	22.52	0.94
4.533	1.78	10.533	3.74	16.533	1.43	22.53	0.94
4.550	1.78	10.550	3.74	16.550	1.43	22.55	0.94
4.567	1.78	10.567	3.74	16.567	1.43	22.57	0.94
4.583	1.78	10.583	3.74	16.583	1.43	22.58	0.94
4.600	1.78	10.600	3.74	16.600	1.43	22.60	0.94
4.617	1.78	10.617	3.74	16.617	1.43	22.62	0.94
4.633	1.78	10.633	3.74	16.633	1.43	22.63	0.94
4.650	1.78	10.650	3.74	16.650	1.43	22.65	0.94
4.667	1.78	10.667	3.74	16.667	1.43	22.67	0.94
4.683	1.86	10.683	3.55	16.683	1.41	22.68	0.93
4.700	1.86	10.700	3.55	16.700	1.41	22.70	0.93
4.717	1.86	10.717	3.55	16.717	1.41	22.72	0.93
4.733	1.86	10.733	3.55	16.733	1.41	22.73	0.93
4.750	1.86	10.750	3.55	16.750	1.41	22.75	0.93
4.767	1.86	10.767	3.55	16.767	1.41	22.77	0.93
4.783	1.86	10.783	3.55	16.783	1.41	22.78	0.93
4.800	1.86	10.800	3.55	16.800	1.41	22.80	0.93
4.817	1.86	10.817	3.55	16.817	1.41	22.82	0.93
4.833	1.86	10.833	3.55	16.833	1.41	22.83	0.93
4.850	1.94	10.850	3.39	16.850	1.39	22.85	0.92
4.867	1.94	10.867	3.39	16.867	1.39	22.87	0.92
4.883	1.94	10.883	3.39	16.883	1.39	22.88	0.92
4.900	1.94	10.900	3.39	16.900	1.39	22.90	0.92
4.917	1.94	10.917	3.39	16.917	1.39	22.92	0.92
4.933	1.94	10.933	3.39	16.933	1.39	22.93	0.92
4.950	1.94	10.950	3.39	16.950	1.39	22.95	0.92
4.967	1.94	10.967	3.39	16.967	1.39	22.97	0.92
4.983	1.94	10.983	3.39	16.983	1.39	22.98	0.92
5.000	1.94	11.000	3.39	17.000	1.39	23.00	0.92
5.017	2.03	11.017	3.24	17.017	1.37	23.02	0.91
5.033	2.03	11.033	3.24	17.033	1.37	23.03	0.91
5.050	2.03	11.050	3.24	17.050	1.37	23.05	0.91
5.067	2.03	11.067	3.24	17.067	1.37	23.07	0.91
5.083	2.03	11.083	3.24	17.083	1.37	23.08	0.91
5.100	2.03	11.100	3.24	17.100	1.37	23.10	0.91
5.117	2.03	11.117	3.24	17.117	1.37	23.12	0.91
5.133	2.03	11.133	3.24	17.133	1.37	23.13	0.91
5.150	2.03	11.150	3.24	17.150	1.37	23.15	0.91
5.167	2.03	11.167	3.24	17.167	1.37	23.17	0.91
5.183	2.14	11.183	3.11	17.183	1.35	23.18	0.91
5.200	2.14	11.200	3.11	17.200	1.35	23.20	0.91
5.217	2.14	11.217	3.11	17.217	1.35	23.22	0.91
5.233	2.14	11.233	3.11	17.233	1.35	23.23	0.91
5.250	2.14	11.250	3.11	17.250	1.35	23.25	0.91
5.267	2.14	11.267	3.11	17.267	1.35	23.27	0.91
5.283	2.14	11.283	3.11	17.283	1.35	23.28	0.91
5.300	2.14	11.300	3.11	17.300	1.35	23.30	0.91
5.317	2.14	11.317	3.11	17.317	1.35	23.32	0.91
5.333	2.14	11.333	3.11	17.333	1.35	23.33	0.91
5.350	2.26	11.350	2.98	17.350	1.33	23.35	0.90
5.367	2.26	11.367	2.98	17.367	1.33	23.37	0.90
5.383	2.26	11.383	2.98	17.383	1.33	23.38	0.90
5.400	2.26	11.400	2.98	17.400	1.33	23.40	0.90
5.417	2.26	11.417	2.98	17.417	1.33	23.42	0.90
5.433	2.26	11.433	2.98	17.433	1.33	23.43	0.90
5.450	2.26	11.450	2.98	17.450	1.33	23.45	0.90
5.467	2.26	11.467	2.98	17.467	1.33	23.47	0.90
5.483	2.26	11.483	2.98	17.483	1.33	23.48	0.90
5.500	2.26	11.500	2.98	17.500	1.33	23.50	0.90
5.517	2.39	11.517	2.87	17.517	1.31	23.52	0.89
5.533	2.39	11.533	2.87	17.533	1.31	23.53	0.89
5.550	2.39	11.550	2.87	17.550	1.31	23.55	0.89
5.567	2.39	11.567	2.87	17.567	1.31	23.57	0.89
5.583	2.39	11.583	2.87	17.583	1.31	23.58	0.89
5.600	2.39	11.600	2.87	17.600	1.31	23.60	0.89
5.617	2.39	11.617	2.87	17.617	1.31	23.62	0.89
5.633	2.39	11.633	2.87	17.633	1.31	23.63	0.89

5.650	2.39	11.650	2.87	17.650	1.31	23.65	0.89
5.667	2.39	11.667	2.87	17.667	1.31	23.67	0.89
5.683	2.54	11.683	2.77	17.683	1.29	23.68	0.88
5.700	2.54	11.700	2.77	17.700	1.29	23.70	0.88
5.717	2.54	11.717	2.77	17.717	1.29	23.72	0.88
5.733	2.54	11.733	2.77	17.733	1.29	23.73	0.88
5.750	2.54	11.750	2.77	17.750	1.29	23.75	0.88
5.767	2.54	11.767	2.77	17.767	1.29	23.77	0.88
5.783	2.54	11.783	2.77	17.783	1.29	23.78	0.88
5.800	2.54	11.800	2.77	17.800	1.29	23.80	0.88
5.817	2.54	11.817	2.77	17.817	1.29	23.82	0.88
5.833	2.54	11.833	2.77	17.833	1.29	23.83	0.88
5.850	2.72	11.850	2.67	17.850	1.27	23.85	0.88
5.867	2.72	11.867	2.67	17.867	1.27	23.87	0.88
5.883	2.72	11.883	2.67	17.883	1.27	23.88	0.88
5.900	2.72	11.900	2.67	17.900	1.27	23.90	0.88
5.917	2.72	11.917	2.67	17.917	1.27	23.92	0.88
5.933	2.72	11.933	2.67	17.933	1.27	23.93	0.88
5.950	2.72	11.950	2.67	17.950	1.27	23.95	0.88
5.967	2.72	11.967	2.67	17.967	1.27	23.97	0.88
5.983	2.72	11.983	2.67	17.983	1.27	23.98	0.88
6.000	2.72	12.000	2.67	18.000	1.27	24.00	0.88

Max.Eff.Inten.(mm/hr)=		143.01	92.02
over (min)		5.00	11.00
Storage Coeff. (min)=		4.47 (ii)	10.68 (ii)
Unit Hyd. Tpeak (min)=		5.00	11.00
Unit Hyd. peak (cms)=		0.24	0.10
			TOTALS
PEAK FLOW	(cms)=	2.62	1.21	3.532 (iii)
TIME TO PEAK	(hrs)=	8.02	8.13	8.03
RUNOFF VOLUME	(mm)=	96.00	61.85	78.59
TOTAL RAINFALL	(mm)=	97.01	97.01	97.01
RUNOFF COEFFICIENT	=	0.99	0.64	0.81

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

CALIB		
STANDHYD (0002)	Area	(ha)= 15.57
ID= 1 DT= 1.0 min	Total Imp(%)=	49.00 Dir. Conn.(%)= 49.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.63	7.94
Dep. Storage	(mm)=	1.00	0.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	322.18	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	0.89	6.017	2.92	12.017	2.59	18.02	1.26
0.033	0.89	6.033	2.92	12.033	2.59	18.03	1.26
0.050	0.89	6.050	2.92	12.050	2.59	18.05	1.26
0.067	0.89	6.067	2.92	12.067	2.59	18.07	1.26
0.083	0.89	6.083	2.92	12.083	2.59	18.08	1.26
0.100	0.89	6.100	2.92	12.100	2.59	18.10	1.26
0.117	0.89	6.117	2.92	12.117	2.59	18.12	1.26
0.133	0.89	6.133	2.92	12.133	2.59	18.13	1.26
0.150	0.89	6.150	2.92	12.150	2.59	18.15	1.26
0.167	0.89	6.167	2.92	12.167	2.59	18.17	1.26
0.183	0.91	6.183	3.17	12.183	2.50	18.18	1.24
0.200	0.91	6.200	3.17	12.200	2.50	18.20	1.24
0.217	0.91	6.217	3.17	12.217	2.50	18.22	1.24
0.233	0.91	6.233	3.17	12.233	2.50	18.23	1.24
0.250	0.91	6.250	3.17	12.250	2.50	18.25	1.24
0.267	0.91	6.267	3.17	12.267	2.50	18.27	1.24
0.283	0.91	6.283	3.17	12.283	2.50	18.28	1.24
0.300	0.91	6.300	3.17	12.300	2.50	18.30	1.24
0.317	0.91	6.317	3.17	12.317	2.50	18.32	1.24
0.333	0.91	6.333	3.17	12.333	2.50	18.33	1.24
0.350	0.92	6.350	3.47	12.350	2.43	18.35	1.22
0.367	0.92	6.367	3.47	12.367	2.43	18.37	1.22
0.383	0.92	6.383	3.47	12.383	2.43	18.38	1.22
0.400	0.92	6.400	3.47	12.400	2.43	18.40	1.22
0.417	0.92	6.417	3.47	12.417	2.43	18.42	1.22
0.433	0.92	6.433	3.47	12.433	2.43	18.43	1.22
0.450	0.92	6.450	3.47	12.450	2.43	18.45	1.22
0.467	0.92	6.467	3.47	12.467	2.43	18.47	1.22
0.483	0.92	6.483	3.47	12.483	2.43	18.48	1.22
0.500	0.92	6.500	3.47	12.500	2.43	18.50	1.22
0.517	0.94	6.517	3.84	12.517	2.36	18.52	1.21
0.533	0.94	6.533	3.84	12.533	2.36	18.53	1.21
0.550	0.94	6.550	3.84	12.550	2.36	18.55	1.21
0.567	0.94	6.567	3.84	12.567	2.36	18.57	1.21
0.583	0.94	6.583	3.84	12.583	2.36	18.58	1.21
0.600	0.94	6.600	3.84	12.600	2.36	18.60	1.21
0.617	0.94	6.617	3.84	12.617	2.36	18.62	1.21
0.633	0.94	6.633	3.84	12.633	2.36	18.63	1.21
0.650	0.94	6.650	3.84	12.650	2.36	18.65	1.21
0.667	0.94	6.667	3.84	12.667	2.36	18.67	1.21
0.683	0.96	6.683	4.31	12.683	2.29	18.68	1.19
0.700	0.96	6.700	4.31	12.700	2.29	18.70	1.19
0.717	0.96	6.717	4.31	12.717	2.29	18.72	1.19
0.733	0.96	6.733	4.31	12.733	2.29	18.73	1.19
0.750	0.96	6.750	4.31	12.750	2.29	18.75	1.19
0.767	0.96	6.767	4.31	12.767	2.29	18.77	1.19
0.783	0.96	6.783	4.31	12.783	2.29	18.78	1.19
0.800	0.96	6.800	4.31	12.800	2.29	18.80	1.19
0.817	0.96	6.817	4.31	12.817	2.29	18.82	1.19
0.833	0.96	6.833	4.31	12.833	2.29	18.83	1.19
0.850	0.98	6.850	4.94	12.850	2.23	18.85	1.18
0.867	0.98	6.867	4.94	12.867	2.23	18.87	1.18
0.883	0.98	6.883	4.94	12.883	2.23	18.88	1.18
0.900	0.98	6.900	4.94	12.900	2.23	18.90	1.18
0.917	0.98	6.917	4.94	12.917	2.23	18.92	1.18
0.933	0.98	6.933	4.94	12.933	2.23	18.93	1.18
0.950	0.98	6.950	4.94	12.950	2.23	18.95	1.18
0.967	0.98	6.967	4.94	12.967	2.23	18.97	1.18
0.983	0.98	6.983	4.94	12.983	2.23	18.98	1.18
1.000	0.98	7.000	4.94	13.000	2.23	19.00	1.18
1.017	1.00	7.017	5.82	13.017	2.17	19.02	1.17
1.033	1.00	7.033	5.82	13.033	2.17	19.03	1.17
1.050	1.00	7.050	5.82	13.050	2.17	19.05	1.17
1.067	1.00	7.067	5.82	13.067	2.17	19.07	1.17
1.083	1.00	7.083	5.82	13.083	2.17	19.08	1.17
1.100	1.00	7.100	5.82	13.100	2.17	19.10	1.17
1.117	1.00	7.117	5.82	13.117	2.17	19.12	1.17
1.133	1.00	7.133	5.82	13.133	2.17	19.13	1.17
1.150	1.00	7.150	5.82	13.150	2.17	19.15	1.17
1.167	1.00	7.167	5.82	13.167	2.17	19.17	1.17
1.183	1.02	7.183	7.15	13.183	2.11	19.18	1.15
1.200	1.02	7.200	7.15	13.200	2.11	19.20	1.15
1.217	1.02	7.217	7.15	13.217	2.11	19.22	1.15
1.233	1.02	7.233	7.15	13.233	2.11	19.23	1.15
1.250	1.02	7.250	7.15	13.250	2.11	19.25	1.15
1.267	1.02	7.267	7.15	13.267	2.11	19.27	1.15
1.283	1.02	7.283	7.15	13.283	2.11	19.28	1.15
1.300	1.02	7.300	7.15	13.300	2.11	19.30	1.15
1.317	1.02	7.317	7.15	13.317	2.11	19.32	1.15
1.333	1.02	7.333	7.15	13.333	2.11	19.33	1.15
1.350	1.04	7.350	9.42	13.350	2.06	19.35	1.14
1.367	1.04	7.367	9.42	13.367	2.06	19.37	1.14
1.383	1.04	7.383	9.42	13.383	2.06	19.38	1.14
1.400	1.04	7.400	9.42	13.400	2.06	19.40	1.14
1.417	1.04	7.417	9.42	13.417	2.06	19.42	1.14
1.433	1.04	7.433	9.42	13.433	2.06	19.43	1.14
1.450	1.04	7.450	9.42	13.450	2.06	19.45	1.14
1.467	1.04	7.467	9.42	13.467	2.06	19.47	1.14
1.483	1.04	7.483	9.42	13.483	2.06	19.48	1.14
1.500	1.04	7.500	9.43	13.500	2.06	19.50	1.14
1.517	1.06	7.517	14.31	13.517	2.01	19.52	1.13
1.533	1.06	7.533	14.31	13.533	2.01	19.53	1.13
1.550	1.06	7.550	14.31	13.550	2.01	19.55	1.13
1.567	1.06	7.567	14.31	13.567	2.01	19.57	1.13
1.583	1.06	7.583	14.31	13.583	2.01	19.58	1.13
1.600	1.06	7.600	14.31	13.600	2.01	19.60	1.13
1.617	1.06	7.617	14.31	13.617	2.01	19.62	1.13
1.633	1.06	7.633	14.31	13.633	2.01	19.63	1.13
1.650	1.06	7.650	14.31	13.650	2.01	19.65	1.13
1.667	1.06	7.667	14.37	13.667	2.01	19.67	1.13
1.683	1.08	7.683	34.08	13.683	1.97	19.68	1.11
1.700	1.08	7.700	34.08	13.700	1.97	19.70	1.11
1.717	1.08	7.717	34.08	13.717	1.97	19.72	1.11
1.733	1.08	7.733	34.08	13.733	1.97	19.73	1.11
1.750	1.08	7.750	34.08	13.750	1.97	19.75	1.11
1.767	1.08	7.767	34.08	13.767	1.97	19.77	1.11
1.783	1.08	7.783	34.08	13.783	1.97	19.78	1.11
1.800	1.08	7.800	34.08	13.800	1.97	19.80	1.11
1.817	1.08	7.817	34.08	13.817	1.97	19.82	1.11
1.833	1.08	7.833	34.39	13.833	1.97	19.83	1.11
1.850	1.11	7.850	143.01	13.850	1.92	19.85	1.10
1.867	1.11	7.867	143.01	13.867	1.92	19.87	1.10
1.883	1.11	7.883	143.01	13.883	1.92	19.88	1.10
1.900	1.11	7.900	143.01	13.900	1.92	19.90	1.10
1.917	1.11	7.917	143.01	13.917	1.92	19.92	1.10
1.933	1.11	7.933	143.01	13.933	1.92	19.93	1.10
1.950	1.11	7.950	143.01	13.950	1.92	19.95	1.10
1.967	1.11	7.967	143.01	13.967	1.92	19.97	1.10
1.983	1.11	7.983	143.01	13.983	1.92	19.98	1.10
2.000	1.11	8.000	142.72	14.000	1.92	20.00	1.10
2.017	1.13	8.017	44.65	14.017	1.88	20.02	1.09
2.033	1.13	8.033	44.65	14.033	1.88	20.03	1.09
2.050	1.13	8.050	44.65	14.050	1.88	20.05	1.09
2.067	1.13	8.067	44.65	14.067	1.88	20.07	1.09
2.083	1.13	8.083	44.65	14.083	1.88	20.08	1.09
2.100	1.13	8.100	44.65	14.100	1.88	20.10	1.09
2.117	1.13	8.117	44.65	14.117	1.88	20.12	1.09
2.133	1.13	8.133	44.65	14.133	1.88	20.13	1.09
2.150	1.13	8.150	44.65	14.150	1.88	20.15	1.09
2.167	1.13	8.167	44.59	14.167	1.88	20.17	1.09
2.183	1.16	8.183	23.56	14.183	1.84	20.18	1.08
2.200	1.16	8.200	23.56	14.200	1.84	20.20	1.08
2.217	1.16	8.217	23.56	14.217	1.84	20.22	1.08
2.233	1.16	8.233	23.56	14.233	1.84	20.23	1.08
2.250	1.16	8.250	23.56	14.250	1.84	20.25	1.08
2.267	1.16	8.267	23.56	14.267	1.84	20.27	1.08
2.283	1.16	8.283	23.56	14.283	1.84	20.28	1.08
2.300	1.16	8.300	23.56	14.300	1.84	20.30	1.08
2.317	1.16	8.317	23.56	14.317	1.84	20.32	1.08

2.333	1.16	8.333	23.54	14.333	1.84	20.33	1.08
2.350	1.19	8.350	16.20	14.350	1.80	20.35	1.07
2.367	1.19	8.367	16.20	14.367	1.80	20.37	1.07
2.383	1.19	8.383	16.20	14.383	1.80	20.38	1.07
2.400	1.19	8.400	16.20	14.400	1.80	20.40	1.07
2.417	1.19	8.417	16.20	14.417	1.80	20.42	1.07
2.433	1.19	8.433	16.20	14.433	1.80	20.43	1.07
2.450	1.19	8.450	16.20	14.450	1.80	20.45	1.07
2.467	1.19	8.467	16.20	14.467	1.80	20.47	1.07
2.483	1.19	8.483	16.20	14.483	1.80	20.48	1.07
2.500	1.19	8.500	16.19	14.500	1.80	20.50	1.07
2.517	1.22	8.517	12.46	14.517	1.76	20.52	1.05
2.533	1.22	8.533	12.46	14.533	1.76	20.53	1.05
2.550	1.22	8.550	12.46	14.550	1.76	20.55	1.05
2.567	1.22	8.567	12.46	14.567	1.76	20.57	1.05
2.583	1.22	8.583	12.46	14.583	1.76	20.58	1.05
2.600	1.22	8.600	12.46	14.600	1.76	20.60	1.05
2.617	1.22	8.617	12.46	14.617	1.76	20.62	1.05
2.633	1.22	8.633	12.46	14.633	1.76	20.63	1.05
2.650	1.22	8.650	12.46	14.650	1.76	20.65	1.05
2.667	1.22	8.667	12.45	14.667	1.76	20.67	1.05
2.683	1.25	8.683	10.19	14.683	1.73	20.68	1.04
2.700	1.25	8.700	10.19	14.700	1.73	20.70	1.04
2.717	1.25	8.717	10.19	14.717	1.73	20.72	1.04
2.733	1.25	8.733	10.19	14.733	1.73	20.73	1.04
2.750	1.25	8.750	10.19	14.750	1.73	20.75	1.04
2.767	1.25	8.767	10.19	14.767	1.73	20.77	1.04
2.783	1.25	8.783	10.19	14.783	1.73	20.78	1.04
2.800	1.25	8.800	10.19	14.800	1.73	20.80	1.04
2.817	1.25	8.817	10.19	14.817	1.73	20.82	1.04
2.833	1.25	8.833	10.19	14.833	1.73	20.83	1.04
2.850	1.28	8.850	8.67	14.850	1.70	20.85	1.03
2.867	1.28	8.867	8.67	14.867	1.70	20.87	1.03
2.883	1.28	8.883	8.67	14.883	1.70	20.88	1.03
2.900	1.28	8.900	8.67	14.900	1.70	20.90	1.03
2.917	1.28	8.917	8.67	14.917	1.70	20.92	1.03
2.933	1.28	8.933	8.67	14.933	1.70	20.93	1.03
2.950	1.28	8.950	8.67	14.950	1.70	20.95	1.03
2.967	1.28	8.967	8.67	14.967	1.70	20.97	1.03
2.983	1.28	8.983	8.67	14.983	1.70	20.98	1.03
3.000	1.28	9.000	8.67	15.000	1.70	21.00	1.03
3.017	1.32	9.017	7.57	15.017	1.66	21.02	1.02
3.033	1.32	9.033	7.57	15.033	1.66	21.03	1.02
3.050	1.32	9.050	7.57	15.050	1.66	21.05	1.02
3.067	1.32	9.067	7.57	15.067	1.66	21.07	1.02
3.083	1.32	9.083	7.57	15.083	1.66	21.08	1.02
3.100	1.32	9.100	7.57	15.100	1.66	21.10	1.02
3.117	1.32	9.117	7.57	15.117	1.66	21.12	1.02
3.133	1.32	9.133	7.57	15.133	1.66	21.13	1.02
3.150	1.32	9.150	7.57	15.150	1.66	21.15	1.02
3.167	1.32	9.167	7.57	15.167	1.66	21.17	1.02
3.183	1.35	9.183	6.74	15.183	1.63	21.18	1.01
3.200	1.35	9.200	6.74	15.200	1.63	21.20	1.01
3.217	1.35	9.217	6.74	15.217	1.63	21.22	1.01
3.233	1.35	9.233	6.74	15.233	1.63	21.23	1.01
3.250	1.35	9.250	6.74	15.250	1.63	21.25	1.01
3.267	1.35	9.267	6.74	15.267	1.63	21.27	1.01
3.283	1.35	9.283	6.74	15.283	1.63	21.28	1.01
3.300	1.35	9.300	6.74	15.300	1.63	21.30	1.01
3.317	1.35	9.317	6.74	15.317	1.63	21.32	1.01
3.333	1.35	9.333	6.74	15.333	1.63	21.33	1.01
3.350	1.39	9.350	6.09	15.350	1.60	21.35	1.00
3.367	1.39	9.367	6.09	15.367	1.60	21.37	1.00
3.383	1.39	9.383	6.09	15.383	1.60	21.38	1.00
3.400	1.39	9.400	6.09	15.400	1.60	21.40	1.00
3.417	1.39	9.417	6.09	15.417	1.60	21.42	1.00
3.433	1.39	9.433	6.09	15.433	1.60	21.43	1.00
3.450	1.39	9.450	6.09	15.450	1.60	21.45	1.00
3.467	1.39	9.467	6.09	15.467	1.60	21.47	1.00
3.483	1.39	9.483	6.09	15.483	1.60	21.48	1.00
3.500	1.39	9.500	6.09	15.500	1.60	21.50	1.00
3.517	1.44	9.517	5.56	15.517	1.58	21.52	0.99
3.533	1.44	9.533	5.56	15.533	1.58	21.53	0.99
3.550	1.44	9.550	5.56	15.550	1.58	21.55	0.99
3.567	1.44	9.567	5.56	15.567	1.58	21.57	0.99
3.583	1.44	9.583	5.56	15.583	1.58	21.58	0.99
3.600	1.44	9.600	5.56	15.600	1.58	21.60	0.99
3.617	1.44	9.617	5.56	15.617	1.58	21.62	0.99
3.633	1.44	9.633	5.56	15.633	1.58	21.63	0.99
3.650	1.44	9.650	5.56	15.650	1.58	21.65	0.99
3.667	1.44	9.667	5.56	15.667	1.58	21.67	0.99
3.683	1.48	9.683	5.13	15.683	1.55	21.68	0.98
3.700	1.48	9.700	5.13	15.700	1.55	21.70	0.98
3.717	1.48	9.717	5.13	15.717	1.55	21.72	0.98
3.733	1.48	9.733	5.13	15.733	1.55	21.73	0.98
3.750	1.48	9.750	5.13	15.750	1.55	21.75	0.98
3.767	1.48	9.767	5.13	15.767	1.55	21.77	0.98
3.783	1.48	9.783	5.13	15.783	1.55	21.78	0.98
3.800	1.48	9.800	5.13	15.800	1.55	21.80	0.98
3.817	1.48	9.817	5.13	15.817	1.55	21.82	0.98
3.833	1.48	9.833	5.13	15.833	1.55	21.83	0.98
3.850	1.53	9.850	4.76	15.850	1.52	21.85	0.97
3.867	1.53	9.867	4.76	15.867	1.52	21.87	0.97
3.883	1.53	9.883	4.76	15.883	1.52	21.88	0.97
3.900	1.53	9.900	4.76	15.900	1.52	21.90	0.97
3.917	1.53	9.917	4.76	15.917	1.52	21.92	0.97
3.933	1.53	9.933	4.76	15.933	1.52	21.93	0.97
3.950	1.53	9.950	4.76	15.950	1.52	21.95	0.97
3.967	1.53	9.967	4.76	15.967	1.52	21.97	0.97
3.983	1.53	9.983	4.76	15.983	1.52	21.98	0.97
4.000	1.53	10.000	4.76	16.000	1.52	22.00	0.97
4.017	1.59	10.017	4.45	16.017	1.50	22.02	0.96
4.033	1.59	10.033	4.45	16.033	1.50	22.03	0.96
4.050	1.59	10.050	4.45	16.050	1.50	22.05	0.96
4.067	1.59	10.067	4.45	16.067	1.50	22.07	0.96
4.083	1.59	10.083	4.45	16.083	1.50	22.08	0.96
4.100	1.59	10.100	4.45	16.100	1.50	22.10	0.96
4.117	1.59	10.117	4.45	16.117	1.50	22.12	0.96
4.133	1.59	10.133	4.45	16.133	1.50	22.13	0.96
4.150	1.59	10.150	4.45	16.150	1.50	22.15	0.96
4.167	1.59	10.167	4.45	16.167	1.50	22.17	0.96
4.183	1.65	10.183	4.18	16.183	1.47	22.18	0.96
4.200	1.65	10.200	4.18	16.200	1.47	22.20	0.96
4.217	1.65	10.217	4.18	16.217	1.47	22.22	0.96
4.233	1.65	10.233	4.18	16.233	1.47	22.23	0.96
4.250	1.65	10.250	4.18	16.250	1.47	22.25	0.96
4.267	1.65	10.267	4.18	16.267	1.47	22.27	0.96
4.283	1.65	10.283	4.18	16.283	1.47	22.28	0.96
4.300	1.65	10.300	4.18	16.300	1.47	22.30	0.96
4.317	1.65	10.317	4.18	16.317	1.47	22.32	0.96
4.333	1.65	10.333	4.18	16.333	1.47	22.33	0.96
4.350	1.71	10.350	3.95	16.350	1.45	22.35	0.95
4.367	1.71	10.367	3.95	16.367	1.45	22.37	0.95
4.383	1.71	10.383	3.95	16.383	1.45	22.38	0.95
4.400	1.71	10.400	3.95	16.400	1.45	22.40	0.95
4.417	1.71	10.417	3.95	16.417	1.45	22.42	0.95
4.433	1.71	10.433	3.95	16.433	1.45	22.43	0.95
4.450	1.71	10.450	3.95	16.450	1.45	22.45	0.95
4.467	1.71	10.467	3.95	16.467	1.45	22.47	0.95
4.483	1.71	10.483	3.95	16.483	1.45	22.48	0.95
4.500	1.71	10.500	3.95	16.500	1.45	22.50	0.95
4.517	1.78	10.517	3.74	16.517	1.43	22.52	0.94
4.533	1.78	10.533	3.74	16.533	1.43	22.53	0.94
4.550	1.78	10.550	3.74	16.550	1.43	22.55	0.94
4.567	1.78	10.567	3.74	16.567	1.43	22.57	0.94
4.583	1.78	10.583	3.74	16.583	1.43	22.58	0.94
4.600	1.78	10.600	3.74	16.600	1.43	22.60	0.94
4.617	1.78	10.617	3.74	16.617	1.43	22.62	0.94
4.633	1.78	10.633	3.74	16.633	1.43	22.63	0.94
4.650	1.78	10.650	3.74	16.650	1.43	22.65	0.94
4.667	1.78	10.667	3.74	16.667	1.43	22.67	0.94
4.683	1.86	10.683	3.55	16.683	1.41	22.68	0.93
4.700	1.86	10.700	3.55	16.700	1.41	22.70	0.93
4.717	1.86	10.717	3.55	16.717	1.41	22.72	0.93
4.733	1.86	10.733	3.55	16.733	1.41	22.73	0.93
4.750	1.86	10.750	3.55	16.750	1.41	22.75	0.93
4.767	1.86	10.767	3.55	16.767	1.41	22.77	0.93
4.783	1.86	10.783	3.55	16.783	1.41	22.78	0.93
4.800	1.86	10.800	3.55	16.800	1.41	22.80	0.93
4.817	1.86	10.817	3.55	16.817	1.41	22.82	0.93
4.833	1.86	10.833	3.55	16.833	1.41	22.83	0.93
4.850	1.94	10.850	3.39	16.850	1.39	22.85	0.92
4.867	1.94	10.867	3.39	16.867	1.39	22.87	0.92
4.883	1.94	10.883	3.39	16.883	1.39	22.88	0.92
4.900	1.94	10.900	3.39	16.900	1.39	22.90	0.92
4.917	1.94	10.917	3.39	16.917	1.39	22.92	0.92
4.933	1.94	10.933	3.39	16.933	1.39	22.93	0.92
4.950	1.94	10.950	3.39	16.950	1.39	22.95	0.92
4.967	1.94	10.967	3.39	16.967	1.39	22.97	0.92
4.983	1.94	10.983	3.39	16.983	1.39	22.98	0.92
5.000	1.94	11.000	3.39	17.000	1.39	23.00	0.92
5.017	2.03	11.017	3.24	17.017	1.37	23.02	0.91
5.033	2.03	11.033	3.24	17.033	1.37	23.03	0.91
5.050	2.03	11.050	3.24	17.050	1.37	23.05	0.91
5.067	2.03	11.067	3.24	17.067	1.37	23.07	0.91
5.083	2.03	11.083	3.24	17.083	1.37	23.08	0.91
5.100	2.03	11.100	3.24	17.100	1.37	23.10	0.91
5.117	2.03	11.117	3.24	17.117	1.37	23.12	0.91
5.133	2.03	11.133	3.24	17.133	1.37	23.13	0.91
5.150	2.03	11.150	3.24	17.150	1.37	23.15	0.91
5.167	2.03	11.167	3.24	17.167	1.37	23.17	0.91
5.183	2.14	11.183	3.11	17.183	1.35	23.18	0.91
5.200	2.14	11.200	3.11	17.200	1.35	23.20	0.91
5.217	2.14	11.217	3.11	17.217	1.35	23.22	0.91
5.233	2.14	11.233	3.11	17.233	1.35	23.23	0.91
5.250	2.14	11.250	3.11	17.250	1.35	23.25	0.91
5.267	2.14	11.267	3.11	17.267	1.35	23.27	0.91
5.283	2.14	11.283	3.11	17.283	1.35	23.28	0.91
5.300	2.14	11.300	3.11	17.300	1.35	23.30	0.91
5.317	2.14	11.317	3.11	17.317	1.35	23.32	0.91
5.333	2.14	11.333	3.11	17.333	1.35	23.33	0.91
5.350	2.26	11.350	2.98	17.350	1.33	23.35	0.90
5.367	2.26	11.367	2.98	17.367	1.33	23.37	0.90
5.383	2.26	11.383	2.98	17.383	1.33	23.38	0.90
5.400	2.26	11.400	2.98	17.400	1.33	23.40	0.90
5.417	2.26	11.417	2.98	17.417	1.33	23.42	0.90
5.433	2.26	11.433	2.98	17.433	1.33	23.43	0.90
5.450	2.26	11.450	2.98	17.450	1.33	23.45	0.90
5.467	2.26	11.467	2.98	17.467	1.33	23.47	0.90
5.483	2.26	11.483	2.98	17.483	1.33	23.48	0.90
5.500	2.26	11.500	2.98	17.500	1.33	23.50	0.90
5.517	2.39	11.517	2.87	17.517	1.31	23.52	0.89
5.533	2.39	11.533	2.87	17.533	1.31	23.53	0.89
5.550	2.39	11.550	2.87	17.550	1.31	23.55	0.89
5.567	2.39	11.567	2.87	17.567	1.31	23.57	0.89
5.583	2.39	11.583	2.87	17.583	1.31	23.58	0.89
5.600	2.39	11.600	2.87	17.600	1.31	23.60	0.89
5.617	2.39	11.617	2.87	17.617	1.31	23.62	0.89
5.633	2.39	11.633	2.87	17.633	1.31	23.63	0.89
5.650	2.39	11.650	2.87	17.650	1.31	23.65	0.89

5.667	2.39	11.667	2.87	17.667	1.31	23.67	0.89
5.683	2.54	11.683	2.77	17.683	1.29	23.68	0.88
5.700	2.54	11.700	2.77	17.700	1.29	23.70	0.88
5.717	2.54	11.717	2.77	17.717	1.29	23.72	0.88
5.733	2.54	11.733	2.77	17.733	1.29	23.73	0.88
5.750	2.54	11.750	2.77	17.750	1.29	23.75	0.88
5.767	2.54	11.767	2.77	17.767	1.29	23.77	0.88
5.783	2.54	11.783	2.77	17.783	1.29	23.78	0.88
5.800	2.54	11.800	2.77	17.800	1.29	23.80	0.88
5.817	2.54	11.817	2.77	17.817	1.29	23.82	0.88
5.833	2.54	11.833	2.77	17.833	1.29	23.83	0.88
5.850	2.72	11.850	2.67	17.850	1.27	23.85	0.88
5.867	2.72	11.867	2.67	17.867	1.27	23.87	0.88
5.883	2.72	11.883	2.67	17.883	1.27	23.88	0.88
5.900	2.72	11.900	2.67	17.900	1.27	23.90	0.88
5.917	2.72	11.917	2.67	17.917	1.27	23.92	0.88
5.933	2.72	11.933	2.67	17.933	1.27	23.93	0.88
5.950	2.72	11.950	2.67	17.950	1.27	23.95	0.88
5.967	2.72	11.967	2.67	17.967	1.27	23.97	0.88
5.983	2.72	11.983	2.67	17.983	1.27	23.98	0.88
6.000	2.72	12.000	2.67	18.000	1.27	24.00	0.88

Max.Eff.Inten.(mm/hr)=	143.01	128.55	
over (min)	5.00	11.00	
Storage Coeff. (min)=	4.47 (ii)	10.68 (ii)	
Unit Hyd. Tpeak (min)=	5.00	11.00	
Unit Hyd. peak (cms)=	0.24	0.10	
			TOTALS
PEAK FLOW (cms)=	2.62	1.68	3.997 (iii)
TIME TO PEAK (hrs)=	8.02	8.12	8.03
RUNOFF VOLUME (mm)=	96.00	83.10	89.43
TOTAL RAINFALL (mm)=	97.01	97.01	97.01
RUNOFF COEFFICIENT =	0.99	0.86	0.92

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 94.0 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.

FINISH

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      V    V   I    SSSSS  U   U    A    L             (v 6.2.2019)
      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

       OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
      O   O    T      T    H   H   Y Y   MM MM  O   O
      O   O    T      T    H   H    Y    M   M  O   O
       OOO     T      T    H   H    Y    M   M   OOO
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***** 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\voin.dat

Output filename:
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Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\65510837-336f-46a4-ace2-ff43b7a2b95e\scenari

DATE: 01-27-2026 TIME: 02:07:39

USER:

COMMENTS: _____

****
** SIMULATION : 6 - 50-Year 24hr Chic - Milto **
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CHICAGO STORM
Ptotal=110.01 mm

IDF curve parameters: A=1323.000
B= 5.300
C= 0.779
used in: INTENSITY = A / (t + B)^C

Duration of storm = 24.00 hrs

Storm time step = 10.00 min
Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	1.05	6.00	3.38	12.00	3.00	18.00	1.47
0.17	1.07	6.17	3.66	12.17	2.90	18.17	1.45
0.33	1.08	6.33	4.00	12.33	2.82	18.33	1.43
0.50	1.10	6.50	4.42	12.50	2.73	18.50	1.41
0.67	1.12	6.67	4.96	12.67	2.66	18.67	1.40
0.83	1.14	6.83	5.67	12.83	2.59	18.83	1.38
1.00	1.17	7.00	6.66	13.00	2.52	19.00	1.36
1.17	1.19	7.17	8.15	13.17	2.46	19.17	1.35
1.33	1.21	7.33	10.70	13.33	2.40	19.33	1.33
1.50	1.24	7.50	16.13	13.50	2.34	19.50	1.32
1.67	1.27	7.67	37.84	13.67	2.29	19.67	1.30
1.83	1.29	7.83	158.18	13.83	2.23	19.83	1.29
2.00	1.32	8.00	49.42	14.00	2.19	20.00	1.27
2.17	1.35	8.17	26.31	14.17	2.14	20.17	1.26
2.33	1.39	8.33	18.21	14.33	2.10	20.33	1.25
2.50	1.42	8.50	14.08	14.50	2.05	20.50	1.23
2.67	1.46	8.67	11.56	14.67	2.01	20.67	1.22
2.83	1.50	8.83	9.86	14.83	1.98	20.83	1.21
3.00	1.54	9.00	8.63	15.00	1.94	21.00	1.20
3.17	1.58	9.17	7.70	15.17	1.90	21.17	1.19
3.33	1.63	9.33	6.96	15.33	1.87	21.33	1.17
3.50	1.68	9.50	6.37	15.50	1.84	21.50	1.16
3.67	1.73	9.67	5.88	15.67	1.81	21.67	1.15
3.83	1.79	9.83	5.47	15.83	1.78	21.83	1.14
4.00	1.85	10.00	5.12	16.00	1.75	22.00	1.13
4.17	1.92	10.17	4.81	16.17	1.72	22.17	1.12
4.33	1.99	10.33	4.55	16.33	1.69	22.33	1.11
4.50	2.07	10.50	4.31	16.50	1.67	22.50	1.10
4.67	2.16	10.67	4.10	16.67	1.64	22.67	1.09
4.83	2.26	10.83	3.91	16.83	1.62	22.83	1.08
5.00	2.36	11.00	3.74	17.00	1.59	23.00	1.07
5.17	2.48	11.17	3.59	17.17	1.57	23.17	1.06
5.33	2.62	11.33	3.45	17.33	1.55	23.33	1.05
5.50	2.77	11.50	3.32	17.50	1.53	23.50	1.04
5.67	2.95	11.67	3.20	17.67	1.51	23.67	1.04
5.83	3.15	11.83	3.10	17.83	1.49	23.83	1.03

CALIB	
STANDHYD (0001)	Area (ha)= 15.57
ID= 1 DT= 1.0 min	Total Imp(%)= 49.00 Dir. Conn.(%)= 49.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	7.63	7.94
Dep. Storage (mm)=	1.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	322.18	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	1.05	6.017	3.38	12.017	3.00	18.02	1.47
0.033	1.05	6.033	3.38	12.033	3.00	18.03	1.47
0.050	1.05	6.050	3.38	12.050	3.00	18.05	1.47
0.067	1.05	6.067	3.38	12.067	3.00	18.07	1.47
0.083	1.05	6.083	3.38	12.083	3.00	18.08	1.47
0.100	1.05	6.100	3.38	12.100	3.00	18.10	1.47
0.117	1.05	6.117	3.38	12.117	3.00	18.12	1.47
0.133	1.05	6.133	3.38	12.133	3.00	18.13	1.47
0.150	1.05	6.150	3.38	12.150	3.00	18.15	1.47
0.167	1.05	6.167	3.38	12.167	3.00	18.17	1.47
0.183	1.07	6.183	3.66	12.183	2.90	18.18	1.45
0.200	1.07	6.200	3.66	12.200	2.90	18.20	1.45
0.217	1.07	6.217	3.66	12.217	2.90	18.22	1.45
0.233	1.07	6.233	3.66	12.233	2.90	18.23	1.45
0.250	1.07	6.250	3.66	12.250	2.90	18.25	1.45
0.267	1.07	6.267	3.66	12.267	2.90	18.27	1.45
0.283	1.07	6.283	3.66	12.283	2.90	18.28	1.45
0.300	1.07	6.300	3.66	12.300	2.90	18.30	1.45
0.317	1.07	6.317	3.66	12.317	2.90	18.32	1.45
0.333	1.07	6.333	3.66	12.333	2.90	18.33	1.45
0.350	1.08	6.350	4.00	12.350	2.82	18.35	1.43
0.367	1.08	6.367	4.00	12.367	2.82	18.37	1.43
0.383	1.08	6.383	4.00	12.383	2.82	18.38	1.43
0.400	1.08	6.400	4.00	12.400	2.82	18.40	1.43
0.417	1.08	6.417	4.00	12.417	2.82	18.42	1.43
0.433	1.08	6.433	4.00	12.433	2.82	18.43	1.43
0.450	1.08	6.450	4.00	12.450	2.82	18.45	1.43
0.467	1.08	6.467	4.00	12.467	2.82	18.47	1.43
0.483	1.08	6.483	4.00	12.483	2.82	18.48	1.43
0.500	1.08	6.500	4.00	12.500	2.82	18.50	1.43
0.517	1.10	6.517	4.42	12.517	2.73	18.52	1.41
0.533	1.10	6.533	4.42	12.533	2.73	18.53	1.41
0.550	1.10	6.550	4.42	12.550	2.73	18.55	1.41
0.567	1.10	6.567	4.42	12.567	2.73	18.57	1.41
0.583	1.10	6.583	4.42	12.583	2.73	18.58	1.41
0.600	1.10	6.600	4.42	12.600	2.73	18.60	1.41
0.617	1.10	6.617	4.42	12.617	2.73	18.62	1.41
0.633	1.10	6.633	4.42	12.633	2.73	18.63	1.41

0.650	1.10	6.650	4.42	12.650	2.73	18.65	1.41
0.667	1.10	6.667	4.42	12.667	2.73	18.67	1.41
0.683	1.12	6.683	4.96	12.683	2.66	18.68	1.40
0.700	1.12	6.700	4.96	12.700	2.66	18.70	1.40
0.717	1.12	6.717	4.96	12.717	2.66	18.72	1.40
0.733	1.12	6.733	4.96	12.733	2.66	18.73	1.40
0.750	1.12	6.750	4.96	12.750	2.66	18.75	1.40
0.767	1.12	6.767	4.96	12.767	2.66	18.77	1.40
0.783	1.12	6.783	4.96	12.783	2.66	18.78	1.40
0.800	1.12	6.800	4.96	12.800	2.66	18.80	1.40
0.817	1.12	6.817	4.96	12.817	2.66	18.82	1.40
0.833	1.12	6.833	4.96	12.833	2.66	18.83	1.40
0.850	1.14	6.850	5.67	12.850	2.59	18.85	1.38
0.867	1.14	6.867	5.67	12.867	2.59	18.87	1.38
0.883	1.14	6.883	5.67	12.883	2.59	18.88	1.38
0.900	1.14	6.900	5.67	12.900	2.59	18.90	1.38
0.917	1.14	6.917	5.67	12.917	2.59	18.92	1.38
0.933	1.14	6.933	5.67	12.933	2.59	18.93	1.38
0.950	1.14	6.950	5.67	12.950	2.59	18.95	1.38
0.967	1.14	6.967	5.67	12.967	2.59	18.97	1.38
0.983	1.14	6.983	5.67	12.983	2.59	18.98	1.38
1.000	1.14	7.000	5.67	13.000	2.59	19.00	1.38
1.017	1.17	7.017	6.66	13.017	2.52	19.02	1.36
1.033	1.17	7.033	6.66	13.033	2.52	19.03	1.36
1.050	1.17	7.050	6.66	13.050	2.52	19.05	1.36
1.067	1.17	7.067	6.66	13.067	2.52	19.07	1.36
1.083	1.17	7.083	6.66	13.083	2.52	19.08	1.36
1.100	1.17	7.100	6.66	13.100	2.52	19.10	1.36
1.117	1.17	7.117	6.66	13.117	2.52	19.12	1.36
1.133	1.17	7.133	6.66	13.133	2.52	19.13	1.36
1.150	1.17	7.150	6.66	13.150	2.52	19.15	1.36
1.167	1.17	7.167	6.66	13.167	2.52	19.17	1.36
1.183	1.19	7.183	8.15	13.183	2.46	19.18	1.35
1.200	1.19	7.200	8.15	13.200	2.46	19.20	1.35
1.217	1.19	7.217	8.15	13.217	2.46	19.22	1.35
1.233	1.19	7.233	8.15	13.233	2.46	19.23	1.35
1.250	1.19	7.250	8.15	13.250	2.46	19.25	1.35
1.267	1.19	7.267	8.15	13.267	2.46	19.27	1.35
1.283	1.19	7.283	8.15	13.283	2.46	19.28	1.35
1.300	1.19	7.300	8.15	13.300	2.46	19.30	1.35
1.317	1.19	7.317	8.15	13.317	2.46	19.32	1.35
1.333	1.19	7.333	8.16	13.333	2.46	19.33	1.35
1.350	1.21	7.350	10.70	13.350	2.40	19.35	1.33
1.367	1.21	7.367	10.70	13.367	2.40	19.37	1.33
1.383	1.21	7.383	10.70	13.383	2.40	19.38	1.33
1.400	1.21	7.400	10.70	13.400	2.40	19.40	1.33
1.417	1.21	7.417	10.70	13.417	2.40	19.42	1.33
1.433	1.21	7.433	10.70	13.433	2.40	19.43	1.33
1.450	1.21	7.450	10.70	13.450	2.40	19.45	1.33
1.467	1.21	7.467	10.70	13.467	2.40	19.47	1.33
1.483	1.21	7.483	10.70	13.483	2.40	19.48	1.33
1.500	1.21	7.500	10.71	13.500	2.40	19.50	1.33
1.517	1.24	7.517	16.13	13.517	2.34	19.52	1.32
1.533	1.24	7.533	16.13	13.533	2.34	19.53	1.32
1.550	1.24	7.550	16.13	13.550	2.34	19.55	1.32
1.567	1.24	7.567	16.13	13.567	2.34	19.57	1.32
1.583	1.24	7.583	16.13	13.583	2.34	19.58	1.32
1.600	1.24	7.600	16.13	13.600	2.34	19.60	1.32
1.617	1.24	7.617	16.13	13.617	2.34	19.62	1.32
1.633	1.24	7.633	16.13	13.633	2.34	19.63	1.32
1.650	1.24	7.650	16.13	13.650	2.34	19.65	1.32
1.667	1.24	7.667	16.19	13.667	2.34	19.67	1.32
1.683	1.27	7.683	37.84	13.683	2.29	19.68	1.30
1.700	1.27	7.700	37.84	13.700	2.29	19.70	1.30
1.717	1.27	7.717	37.84	13.717	2.29	19.72	1.30
1.733	1.27	7.733	37.84	13.733	2.29	19.73	1.30
1.750	1.27	7.750	37.84	13.750	2.29	19.75	1.30
1.767	1.27	7.767	37.84	13.767	2.29	19.77	1.30
1.783	1.27	7.783	37.84	13.783	2.29	19.78	1.30
1.800	1.27	7.800	37.84	13.800	2.29	19.80	1.30
1.817	1.27	7.817	37.84	13.817	2.29	19.82	1.30
1.833	1.27	7.833	38.19	13.833	2.29	19.83	1.30
1.850	1.29	7.850	158.18	13.850	2.23	19.85	1.29
1.867	1.29	7.867	158.18	13.867	2.23	19.87	1.29
1.883	1.29	7.883	158.18	13.883	2.23	19.88	1.29
1.900	1.29	7.900	158.18	13.900	2.23	19.90	1.29
1.917	1.29	7.917	158.18	13.917	2.23	19.92	1.29
1.933	1.29	7.933	158.18	13.933	2.23	19.93	1.29
1.950	1.29	7.950	158.18	13.950	2.23	19.95	1.29
1.967	1.29	7.967	158.18	13.967	2.23	19.97	1.29
1.983	1.29	7.983	158.18	13.983	2.23	19.98	1.29
2.000	1.29	8.000	157.86	14.000	2.23	20.00	1.29
2.017	1.32	8.017	49.42	14.017	2.19	20.02	1.27
2.033	1.32	8.033	49.42	14.033	2.19	20.03	1.27
2.050	1.32	8.050	49.42	14.050	2.19	20.05	1.27
2.067	1.32	8.067	49.42	14.067	2.19	20.07	1.27
2.083	1.32	8.083	49.42	14.083	2.19	20.08	1.27
2.100	1.32	8.100	49.42	14.100	2.19	20.10	1.27
2.117	1.32	8.117	49.42	14.117	2.19	20.12	1.27
2.133	1.32	8.133	49.42	14.133	2.19	20.13	1.27
2.150	1.32	8.150	49.42	14.150	2.19	20.15	1.27
2.167	1.32	8.167	49.35	14.167	2.19	20.17	1.27
2.183	1.35	8.183	26.31	14.183	2.14	20.18	1.26
2.200	1.35	8.200	26.31	14.200	2.14	20.20	1.26
2.217	1.35	8.217	26.31	14.217	2.14	20.22	1.26
2.233	1.35	8.233	26.31	14.233	2.14	20.23	1.26
2.250	1.35	8.250	26.31	14.250	2.14	20.25	1.26
2.267	1.35	8.267	26.31	14.267	2.14	20.27	1.26
2.283	1.35	8.283	26.31	14.283	2.14	20.28	1.26
2.300	1.35	8.300	26.31	14.300	2.14	20.30	1.26
2.317	1.35	8.317	26.31	14.317	2.14	20.32	1.26
2.333	1.35	8.333	26.29	14.333	2.14	20.33	1.26
2.350	1.39	8.350	18.21	14.350	2.10	20.35	1.25
2.367	1.39	8.367	18.21	14.367	2.10	20.37	1.25
2.383	1.39	8.383	18.21	14.383	2.10	20.38	1.25
2.400	1.39	8.400	18.21	14.400	2.10	20.40	1.25
2.417	1.39	8.417	18.21	14.417	2.10	20.42	1.25
2.433	1.39	8.433	18.21	14.433	2.10	20.43	1.25
2.450	1.39	8.450	18.21	14.450	2.10	20.45	1.25
2.467	1.39	8.467	18.21	14.467	2.10	20.47	1.25
2.483	1.39	8.483	18.21	14.483	2.10	20.48	1.25
2.500	1.39	8.500	18.20	14.500	2.10	20.50	1.25
2.517	1.42	8.517	14.08	14.517	2.05	20.52	1.23
2.533	1.42	8.533	14.08	14.533	2.05	20.53	1.23
2.550	1.42	8.550	14.08	14.550	2.05	20.55	1.23
2.567	1.42	8.567	14.08	14.567	2.05	20.57	1.23
2.583	1.42	8.583	14.08	14.583	2.05	20.58	1.23
2.600	1.42	8.600	14.08	14.600	2.05	20.60	1.23
2.617	1.42	8.617	14.08	14.617	2.05	20.62	1.23
2.633	1.42	8.633	14.08	14.633	2.05	20.63	1.23
2.650	1.42	8.650	14.08	14.650	2.05	20.65	1.23
2.667	1.42	8.667	14.07	14.667	2.05	20.67	1.23
2.683	1.46	8.683	11.56	14.683	2.01	20.68	1.22
2.700	1.46	8.700	11.56	14.700	2.01	20.70	1.22
2.717	1.46	8.717	11.56	14.717	2.01	20.72	1.22
2.733	1.46	8.733	11.56	14.733	2.01	20.73	1.22
2.750	1.46	8.750	11.56	14.750	2.01	20.75	1.22
2.767	1.46	8.767	11.56	14.767	2.01	20.77	1.22
2.783	1.46	8.783	11.56	14.783	2.01	20.78	1.22
2.800	1.46	8.800	11.56	14.800	2.01	20.80	1.22
2.817	1.46	8.817	11.56	14.817	2.01	20.82	1.22
2.833	1.46	8.833	11.56	14.833	2.01	20.83	1.22
2.850	1.50	8.850	9.86	14.850	1.98	20.85	1.21
2.867	1.50	8.867	9.86	14.867	1.98	20.87	1.21
2.883	1.50	8.883	9.86	14.883	1.98	20.88	1.21
2.900	1.50	8.900	9.86	14.900	1.98	20.90	1.21
2.917	1.50	8.917	9.86	14.917	1.98	20.92	1.21
2.933	1.50	8.933	9.86	14.933	1.98	20.93	1.21
2.950	1.50	8.950	9.86	14.950	1.98	20.95	1.21
2.967	1.50	8.967	9.86	14.967	1.98	20.97	1.21
2.983	1.50	8.983	9.86	14.983	1.98	20.98	1.21
3.000	1.50	9.000	9.86	15.000	1.98	21.00	1.21
3.017	1.54	9.017	8.63	15.017	1.94	21.02	1.20
3.033	1.54	9.033	8.63	15.033	1.94	21.03	1.20
3.050	1.54	9.050	8.63	15.050	1.94	21.05	1.20
3.067	1.54	9.067	8.63	15.067	1.94	21.07	1.20
3.083	1.54	9.083	8.63	15.083	1.94	21.08	1.20
3.100	1.54	9.100	8.63	15.100	1.94	21.10	1.20
3.117	1.54	9.117	8.63	15.117	1.94	21.12	1.20
3.133	1.54	9.133	8.63	15.133	1.94	21.13	1.20
3.150	1.54	9.150	8.63	15.150	1.94	21.15	1.20
3.167	1.54	9.167	8.63	15.167	1.94	21.17	1.20
3.183	1.58	9.183	7.70	15.183	1.90	21.18	1.19
3.200	1.58	9.200	7.70	15.200	1.90	21.20	1.19
3.217	1.58	9.217	7.70	15.217	1.90	21.22	1.19
3.233	1.58	9.233	7.70	15.233	1.90	21.23	1.19
3.250	1.58	9.250	7.70	15.250	1.90	21.25	1.19
3.267	1.58	9.267	7.70	15.267	1.90	21.27	1.19
3.283	1.58	9.283	7.70	15.283	1.90	21.28	1.19
3.300	1.58	9.300	7.70	15.300	1.90	21.30	1.19
3.317	1.58	9.317	7.70	15.317	1.90	21.32	1.19
3.333	1.58	9.333	7.70	15.333	1.90	21.33	1.19
3.350	1.63	9.350	6.96	15.350	1.87	21.35	1.17
3.367	1.63	9.367	6.96	15.367	1.87	21.37	1.17
3.383	1.63	9.383	6.96	15.383	1.87	21.38	1.17
3.400	1.63	9.400	6.96	15.400	1.87	21.40	1.17
3.417	1.63	9.417	6.96	15.417	1.87	21.42	1.17
3.433	1.63	9.433	6.96	15.433	1.87	21.43	1.17
3.450	1.63	9.450	6.96	15.450	1.87	21.45	1.17
3.467	1.63	9.467	6.96	15.467	1.87	21.47	1.17
3.483	1.63	9.483	6.96	15.483	1.87	21.48	1.17
3.500	1.63	9.500	6.96	15.500	1.87	21.50	1.17
3.517	1.68	9.517	6.37	15.517	1.84	21.52	1.16
3.533	1.68	9.533	6.37	15.533	1.84	21.53	1.16
3.550	1.68	9.550	6.37	15.550	1.84	21.55	1.16
3.567	1.68	9.567	6.37	15.567	1.84	21.57	1.16
3.583	1.68	9.583	6.37	15.583	1.84	21.58	1.16
3.600	1.68	9.600	6.37	15.600	1.84	21.60	1.16
3.617	1.68	9.617	6.37	15.617	1.84	21.62	1.16
3.633	1.68	9.633	6.37	15.633	1.84	21.63	1.16
3.650	1.68	9.650	6.37	15.650	1.84	21.65	1.16
3.667	1.68	9.667	6.37	15.667	1.84	21.67	1.16
3.683	1.73	9.683	5.88	15.683	1.81	21.68	1.15
3.700	1.73	9.700	5.88	15.700	1.81	21.70	1.15
3.717	1.73	9.717	5.88	15.717	1.81	21.72	1.15
3.733	1.73	9.733	5.88	15.733	1.81	21.73	1.15
3.750	1.73	9.750	5.88	15.750	1.81	21.75	1.15
3.767	1.73	9.767	5.88	15.767	1.81	21.77	1.15
3.783	1.73	9.783	5.88	15.783	1.81	21.78	1.15
3.800	1.73	9.800	5.88	15.800	1.81	21.80	1.15
3.817	1.73	9.817	5.88	15.817	1.81	21.82	1.15
3.833	1.73	9.833	5.88	15.833	1.81	21.83	1.15
3.850	1.79	9.850	5.47	15.850	1.78	21.85	1.14
3.867	1.79	9.867	5.47	15.867	1.78	21.87	1.14
3.883	1.79	9.883	5.47	15.883	1.78	21.88	1.14
3.900	1.79	9.900	5.47	15.900	1.78	21.90	1.14
3.917	1.79	9.917	5.47	15.917	1.78	21.92	1.14
3.933	1.79	9.933	5.47	15.933	1.78	21.93	1.14
3.950	1.79	9.950	5.47	15.950	1.78	21.95	1.14
3.967	1.79	9.967	5.47	15.967	1.78	21.97	1.14

3.983	1.79	9.983	5.47	15.983	1.78	21.98	1.14
4.000	1.79	10.000	5.47	16.000	1.78	22.00	1.14
4.017	1.85	10.017	5.12	16.017	1.75	22.02	1.13
4.033	1.85	10.033	5.12	16.033	1.75	22.03	1.13
4.050	1.85	10.050	5.12	16.050	1.75	22.05	1.13
4.067	1.85	10.067	5.12	16.067	1.75	22.07	1.13
4.083	1.85	10.083	5.12	16.083	1.75	22.08	1.13
4.100	1.85	10.100	5.12	16.100	1.75	22.10	1.13
4.117	1.85	10.117	5.12	16.117	1.75	22.12	1.13
4.133	1.85	10.133	5.12	16.133	1.75	22.13	1.13
4.150	1.85	10.150	5.12	16.150	1.75	22.15	1.13
4.167	1.85	10.167	5.12	16.167	1.75	22.17	1.13
4.183	1.92	10.183	4.81	16.183	1.72	22.18	1.12
4.200	1.92	10.200	4.81	16.200	1.72	22.20	1.12
4.217	1.92	10.217	4.81	16.217	1.72	22.22	1.12
4.233	1.92	10.233	4.81	16.233	1.72	22.23	1.12
4.250	1.92	10.250	4.81	16.250	1.72	22.25	1.12
4.267	1.92	10.267	4.81	16.267	1.72	22.27	1.12
4.283	1.92	10.283	4.81	16.283	1.72	22.28	1.12
4.300	1.92	10.300	4.81	16.300	1.72	22.30	1.12
4.317	1.92	10.317	4.81	16.317	1.72	22.32	1.12
4.333	1.92	10.333	4.81	16.333	1.72	22.33	1.12
4.350	1.99	10.350	4.55	16.350	1.69	22.35	1.11
4.367	1.99	10.367	4.55	16.367	1.69	22.37	1.11
4.383	1.99	10.383	4.55	16.383	1.69	22.38	1.11
4.400	1.99	10.400	4.55	16.400	1.69	22.40	1.11
4.417	1.99	10.417	4.55	16.417	1.69	22.42	1.11
4.433	1.99	10.433	4.55	16.433	1.69	22.43	1.11
4.450	1.99	10.450	4.55	16.450	1.69	22.45	1.11
4.467	1.99	10.467	4.55	16.467	1.69	22.47	1.11
4.483	1.99	10.483	4.55	16.483	1.69	22.48	1.11
4.500	1.99	10.500	4.54	16.500	1.69	22.50	1.11
4.517	2.07	10.517	4.31	16.517	1.67	22.52	1.10
4.533	2.07	10.533	4.31	16.533	1.67	22.53	1.10
4.550	2.07	10.550	4.31	16.550	1.67	22.55	1.10
4.567	2.07	10.567	4.31	16.567	1.67	22.57	1.10
4.583	2.07	10.583	4.31	16.583	1.67	22.58	1.10
4.600	2.07	10.600	4.31	16.600	1.67	22.60	1.10
4.617	2.07	10.617	4.31	16.617	1.67	22.62	1.10
4.633	2.07	10.633	4.31	16.633	1.67	22.63	1.10
4.650	2.07	10.650	4.31	16.650	1.67	22.65	1.10
4.667	2.07	10.667	4.31	16.667	1.67	22.67	1.10
4.683	2.16	10.683	4.10	16.683	1.64	22.68	1.09
4.700	2.16	10.700	4.10	16.700	1.64	22.70	1.09
4.717	2.16	10.717	4.10	16.717	1.64	22.72	1.09
4.733	2.16	10.733	4.10	16.733	1.64	22.73	1.09
4.750	2.16	10.750	4.10	16.750	1.64	22.75	1.09
4.767	2.16	10.767	4.10	16.767	1.64	22.77	1.09
4.783	2.16	10.783	4.10	16.783	1.64	22.78	1.09
4.800	2.16	10.800	4.10	16.800	1.64	22.80	1.09

4.817	2.16	10.817	4.10	16.817	1.64	22.82	1.09
4.833	2.16	10.833	4.10	16.833	1.64	22.83	1.09
4.850	2.26	10.850	3.91	16.850	1.62	22.85	1.08
4.867	2.26	10.867	3.91	16.867	1.62	22.87	1.08
4.883	2.26	10.883	3.91	16.883	1.62	22.88	1.08
4.900	2.26	10.900	3.91	16.900	1.62	22.90	1.08
4.917	2.26	10.917	3.91	16.917	1.62	22.92	1.08
4.933	2.26	10.933	3.91	16.933	1.62	22.93	1.08
4.950	2.26	10.950	3.91	16.950	1.62	22.95	1.08
4.967	2.26	10.967	3.91	16.967	1.62	22.97	1.08
4.983	2.26	10.983	3.91	16.983	1.62	22.98	1.08
5.000	2.26	11.000	3.91	17.000	1.62	23.00	1.08
5.017	2.36	11.017	3.74	17.017	1.59	23.02	1.07
5.033	2.36	11.033	3.74	17.033	1.59	23.03	1.07
5.050	2.36	11.050	3.74	17.050	1.59	23.05	1.07
5.067	2.36	11.067	3.74	17.067	1.59	23.07	1.07
5.083	2.36	11.083	3.74	17.083	1.59	23.08	1.07
5.100	2.36	11.100	3.74	17.100	1.59	23.10	1.07
5.117	2.36	11.117	3.74	17.117	1.59	23.12	1.07
5.133	2.36	11.133	3.74	17.133	1.59	23.13	1.07
5.150	2.36	11.150	3.74	17.150	1.59	23.15	1.07
5.167	2.36	11.167	3.74	17.167	1.59	23.17	1.07
5.183	2.48	11.183	3.59	17.183	1.57	23.18	1.06
5.200	2.48	11.200	3.59	17.200	1.57	23.20	1.06
5.217	2.48	11.217	3.59	17.217	1.57	23.22	1.06
5.233	2.48	11.233	3.59	17.233	1.57	23.23	1.06
5.250	2.48	11.250	3.59	17.250	1.57	23.25	1.06
5.267	2.48	11.267	3.59	17.267	1.57	23.27	1.06
5.283	2.48	11.283	3.59	17.283	1.57	23.28	1.06
5.300	2.48	11.300	3.59	17.300	1.57	23.30	1.06
5.317	2.48	11.317	3.59	17.317	1.57	23.32	1.06
5.333	2.48	11.333	3.59	17.333	1.57	23.33	1.06
5.350	2.62	11.350	3.45	17.350	1.55	23.35	1.05
5.367	2.62	11.367	3.45	17.367	1.55	23.37	1.05
5.383	2.62	11.383	3.45	17.383	1.55	23.38	1.05
5.400	2.62	11.400	3.45	17.400	1.55	23.40	1.05
5.417	2.62	11.417	3.45	17.417	1.55	23.42	1.05
5.433	2.62	11.433	3.45	17.433	1.55	23.43	1.05
5.450	2.62	11.450	3.45	17.450	1.55	23.45	1.05
5.467	2.62	11.467	3.45	17.467	1.55	23.47	1.05
5.483	2.62	11.483	3.45	17.483	1.55	23.48	1.05
5.500	2.62	11.500	3.45	17.500	1.55	23.50	1.05
5.517	2.77	11.517	3.32	17.517	1.53	23.52	1.04
5.533	2.77	11.533	3.32	17.533	1.53	23.53	1.04
5.550	2.77	11.550	3.32	17.550	1.53	23.55	1.04
5.567	2.77	11.567	3.32	17.567	1.53	23.57	1.04
5.583	2.77	11.583	3.32	17.583	1.53	23.58	1.04
5.600	2.77	11.600	3.32	17.600	1.53	23.60	1.04
5.617	2.77	11.617	3.32	17.617	1.53	23.62	1.04
5.633	2.77	11.633	3.32	17.633	1.53	23.63	1.04

5.650	2.77	11.650	3.32	17.650	1.53	23.65	1.04
5.667	2.77	11.667	3.32	17.667	1.53	23.67	1.04
5.683	2.95	11.683	3.20	17.683	1.51	23.68	1.04
5.700	2.95	11.700	3.20	17.700	1.51	23.70	1.04
5.717	2.95	11.717	3.20	17.717	1.51	23.72	1.04
5.733	2.95	11.733	3.20	17.733	1.51	23.73	1.04
5.750	2.95	11.750	3.20	17.750	1.51	23.75	1.04
5.767	2.95	11.767	3.20	17.767	1.51	23.77	1.04
5.783	2.95	11.783	3.20	17.783	1.51	23.78	1.04
5.800	2.95	11.800	3.20	17.800	1.51	23.80	1.04
5.817	2.95	11.817	3.20	17.817	1.51	23.82	1.04
5.833	2.95	11.833	3.20	17.833	1.51	23.83	1.04
5.850	3.15	11.850	3.10	17.850	1.49	23.85	1.03
5.867	3.15	11.867	3.10	17.867	1.49	23.87	1.03
5.883	3.15	11.883	3.10	17.883	1.49	23.88	1.03
5.900	3.15	11.900	3.10	17.900	1.49	23.90	1.03
5.917	3.15	11.917	3.10	17.917	1.49	23.92	1.03
5.933	3.15	11.933	3.10	17.933	1.49	23.93	1.03
5.950	3.15	11.950	3.10	17.950	1.49	23.95	1.03
5.967	3.15	11.967	3.10	17.967	1.49	23.97	1.03
5.983	3.15	11.983	3.10	17.983	1.49	23.98	1.03
6.000	3.15	12.000	3.10	18.000	1.49	24.00	1.03

Max.Eff.Inten.(mm/hr)=	158.18	108.10	
over (min)	5.00	11.00	
Storage Coeff. (min)=	4.29 (ii)	10.26 (ii)	
Unit Hyd. Tpeak (min)=	5.00	11.00	
Unit Hyd. peak (cms)=	0.25	0.11	
			TOTALS
PEAK FLOW (cms)=	2.93	1.44	4.032 (iii)
TIME TO PEAK (hrs)=	8.02	8.13	8.03
RUNOFF VOLUME (mm)=	109.00	73.58	90.95
TOTAL RAINFALL (mm)=	110.01	110.01	110.01
RUNOFF COEFFICIENT =	0.99	0.67	0.83

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

CALIB	
STANDHYD (0002)	Area (ha)= 15.57
ID= 1 DT= 1.0 min	Total Imp(%)= 49.00 Dir. Conn.(%)= 49.00

	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	7.63	7.94

Dep. Storage (mm)=	1.00	0.00
Average Slope (%)=	1.00	2.00
Length (m)=	322.18	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	1.05	6.017	3.38	12.017	3.00	18.02	1.47
0.033	1.05	6.033	3.38	12.033	3.00	18.03	1.47
0.050	1.05	6.050	3.38	12.050	3.00	18.05	1.47
0.067	1.05	6.067	3.38	12.067	3.00	18.07	1.47
0.083	1.05	6.083	3.38	12.083	3.00	18.08	1.47
0.100	1.05	6.100	3.38	12.100	3.00	18.10	1.47
0.117	1.05	6.117	3.38	12.117	3.00	18.12	1.47
0.133	1.05	6.133	3.38	12.133	3.00	18.13	1.47
0.150	1.05	6.150	3.38	12.150	3.00	18.15	1.47
0.167	1.05	6.167	3.38	12.167	3.00	18.17	1.47
0.183	1.07	6.183	3.66	12.183	2.90	18.18	1.45
0.200	1.07	6.200	3.66	12.200	2.90	18.20	1.45
0.217	1.07	6.217	3.66	12.217	2.90	18.22	1.45
0.233	1.07	6.233	3.66	12.233	2.90	18.23	1.45
0.250	1.07	6.250	3.66	12.250	2.90	18.25	1.45
0.267	1.07	6.267	3.66	12.267	2.90	18.27	1.45
0.283	1.07	6.283	3.66	12.283	2.90	18.28	1.45
0.300	1.07	6.300	3.66	12.300	2.90	18.30	1.45
0.317	1.07	6.317	3.66	12.317	2.90	18.32	1.45
0.333	1.07	6.333	3.66	12.333	2.90	18.33	1.45
0.350	1.08	6.350	4.00	12.350	2.82	18.35	1.43
0.367	1.08	6.367	4.00	12.367	2.82	18.37	1.43
0.383	1.08	6.383	4.00	12.383	2.82	18.38	1.43
0.400	1.08	6.400	4.00	12.400	2.82	18.40	1.43
0.417	1.08	6.417	4.00	12.417	2.82	18.42	1.43
0.433	1.08	6.433	4.00	12.433	2.82	18.43	1.43
0.450	1.08	6.450	4.00	12.450	2.82	18.45	1.43
0.467	1.08	6.467	4.00	12.467	2.82	18.47	1.43
0.483	1.08	6.483	4.00	12.483	2.82	18.48	1.43
0.500	1.08	6.500	4.00	12.500	2.82	18.50	1.43
0.517	1.10	6.517	4.42	12.517	2.73	18.52	1.41
0.533	1.10	6.533	4.42	12.533	2.73	18.53	1.41
0.550	1.10	6.550	4.42	12.550	2.73	18.55	1.41
0.567	1.10	6.567	4.42	12.567	2.73	18.57	1.41
0.583	1.10	6.583	4.42	12.583	2.73	18.58	1.41
0.600	1.10	6.600	4.42	12.600	2.73	18.60	1.41
0.617	1.10	6.617	4.42	12.617	2.73	18.62	1.41
0.633	1.10	6.633	4.42	12.633	2.73	18.63	1.41
0.650	1.10	6.650	4.42	12.650	2.73	18.65	1.41

0.667	1.10	6.667	4.42	12.667	2.73	18.67	1.41
0.683	1.12	6.683	4.96	12.683	2.66	18.68	1.40
0.700	1.12	6.700	4.96	12.700	2.66	18.70	1.40
0.717	1.12	6.717	4.96	12.717	2.66	18.72	1.40
0.733	1.12	6.733	4.96	12.733	2.66	18.73	1.40
0.750	1.12	6.750	4.96	12.750	2.66	18.75	1.40
0.767	1.12	6.767	4.96	12.767	2.66	18.77	1.40
0.783	1.12	6.783	4.96	12.783	2.66	18.78	1.40
0.800	1.12	6.800	4.96	12.800	2.66	18.80	1.40
0.817	1.12	6.817	4.96	12.817	2.66	18.82	1.40
0.833	1.12	6.833	4.96	12.833	2.66	18.83	1.40
0.850	1.14	6.850	5.67	12.850	2.59	18.85	1.38
0.867	1.14	6.867	5.67	12.867	2.59	18.87	1.38
0.883	1.14	6.883	5.67	12.883	2.59	18.88	1.38
0.900	1.14	6.900	5.67	12.900	2.59	18.90	1.38
0.917	1.14	6.917	5.67	12.917	2.59	18.92	1.38
0.933	1.14	6.933	5.67	12.933	2.59	18.93	1.38
0.950	1.14	6.950	5.67	12.950	2.59	18.95	1.38
0.967	1.14	6.967	5.67	12.967	2.59	18.97	1.38
0.983	1.14	6.983	5.67	12.983	2.59	18.98	1.38
1.000	1.14	7.000	5.67	13.000	2.59	19.00	1.38
1.017	1.17	7.017	6.66	13.017	2.52	19.02	1.36
1.033	1.17	7.033	6.66	13.033	2.52	19.03	1.36
1.050	1.17	7.050	6.66	13.050	2.52	19.05	1.36
1.067	1.17	7.067	6.66	13.067	2.52	19.07	1.36
1.083	1.17	7.083	6.66	13.083	2.52	19.08	1.36
1.100	1.17	7.100	6.66	13.100	2.52	19.10	1.36
1.117	1.17	7.117	6.66	13.117	2.52	19.12	1.36
1.133	1.17	7.133	6.66	13.133	2.52	19.13	1.36
1.150	1.17	7.150	6.66	13.150	2.52	19.15	1.36
1.167	1.17	7.167	6.66	13.167	2.52	19.17	1.36
1.183	1.19	7.183	8.15	13.183	2.46	19.18	1.35
1.200	1.19	7.200	8.15	13.200	2.46	19.20	1.35
1.217	1.19	7.217	8.15	13.217	2.46	19.22	1.35
1.233	1.19	7.233	8.15	13.233	2.46	19.23	1.35
1.250	1.19	7.250	8.15	13.250	2.46	19.25	1.35
1.267	1.19	7.267	8.15	13.267	2.46	19.27	1.35
1.283	1.19	7.283	8.15	13.283	2.46	19.28	1.35
1.300	1.19	7.300	8.15	13.300	2.46	19.30	1.35
1.317	1.19	7.317	8.15	13.317	2.46	19.32	1.35
1.333	1.19	7.333	8.16	13.333	2.46	19.33	1.35
1.350	1.21	7.350	10.70	13.350	2.40	19.35	1.33
1.367	1.21	7.367	10.70	13.367	2.40	19.37	1.33
1.383	1.21	7.383	10.70	13.383	2.40	19.38	1.33
1.400	1.21	7.400	10.70	13.400	2.40	19.40	1.33
1.417	1.21	7.417	10.70	13.417	2.40	19.42	1.33
1.433	1.21	7.433	10.70	13.433	2.40	19.43	1.33
1.450	1.21	7.450	10.70	13.450	2.40	19.45	1.33
1.467	1.21	7.467	10.70	13.467	2.40	19.47	1.33
1.483	1.21	7.483	10.70	13.483	2.40	19.48	1.33

1.500	1.21	7.500	10.71	13.500	2.40	19.50	1.33
1.517	1.24	7.517	16.13	13.517	2.34	19.52	1.32
1.533	1.24	7.533	16.13	13.533	2.34	19.53	1.32
1.550	1.24	7.550	16.13	13.550	2.34	19.55	1.32
1.567	1.24	7.567	16.13	13.567	2.34	19.57	1.32
1.583	1.24	7.583	16.13	13.583	2.34	19.58	1.32
1.600	1.24	7.600	16.13	13.600	2.34	19.60	1.32
1.617	1.24	7.617	16.13	13.617	2.34	19.62	1.32
1.633	1.24	7.633	16.13	13.633	2.34	19.63	1.32
1.650	1.24	7.650	16.13	13.650	2.34	19.65	1.32
1.667	1.24	7.667	16.19	13.667	2.34	19.67	1.32
1.683	1.27	7.683	37.84	13.683	2.29	19.68	1.30
1.700	1.27	7.700	37.84	13.700	2.29	19.70	1.30
1.717	1.27	7.717	37.84	13.717	2.29	19.72	1.30
1.733	1.27	7.733	37.84	13.733	2.29	19.73	1.30
1.750	1.27	7.750	37.84	13.750	2.29	19.75	1.30
1.767	1.27	7.767	37.84	13.767	2.29	19.77	1.30
1.783	1.27	7.783	37.84	13.783	2.29	19.78	1.30
1.800	1.27	7.800	37.84	13.800	2.29	19.80	1.30
1.817	1.27	7.817	37.84	13.817	2.29	19.82	1.30
1.833	1.27	7.833	38.19	13.833	2.29	19.83	1.30
1.850	1.29	7.850	158.18	13.850	2.23	19.85	1.29
1.867	1.29	7.867	158.18	13.867	2.23	19.87	1.29
1.883	1.29	7.883	158.18	13.883	2.23	19.88	1.29
1.900	1.29	7.900	158.18	13.900	2.23	19.90	1.29
1.917	1.29	7.917	158.18	13.917	2.23	19.92	1.29
1.933	1.29	7.933	158.18	13.933	2.23	19.93	1.29
1.950	1.29	7.950	158.18	13.950	2.23	19.95	1.29
1.967	1.29	7.967	158.18	13.967	2.23	19.97	1.29
1.983	1.29	7.983	158.18	13.983	2.23	19.98	1.29
2.000	1.29	8.000	157.86	14.000	2.23	20.00	1.29
2.017	1.32	8.017	49.42	14.017	2.19	20.02	1.27
2.033	1.32	8.033	49.42	14.033	2.19	20.03	1.27
2.050	1.32	8.050	49.42	14.050	2.19	20.05	1.27
2.067	1.32	8.067	49.42	14.067	2.19	20.07	1.27
2.083	1.32	8.083	49.42	14.083	2.19	20.08	1.27
2.100	1.32	8.100	49.42	14.100	2.19	20.10	1.27
2.117	1.32	8.117	49.42	14.117	2.19	20.12	1.27
2.133	1.32	8.133	49.42	14.133	2.19	20.13	1.27
2.150	1.32	8.150	49.42	14.150	2.19	20.15	1.27
2.167	1.32	8.167	49.35	14.167	2.19	20.17	1.27
2.183	1.35	8.183	26.31	14.183	2.14	20.18	1.26
2.200	1.35	8.200	26.31	14.200	2.14	20.20	1.26
2.217	1.35	8.217	26.31	14.217	2.14	20.22	1.26
2.233	1.35	8.233	26.31	14.233	2.14	20.23	1.26
2.250	1.35	8.250	26.31	14.250	2.14	20.25	1.26
2.267	1.35	8.267	26.31	14.267	2.14	20.27	1.26
2.283	1.35	8.283	26.31	14.283	2.14	20.28	1.26
2.300	1.35	8.300	26.31	14.300	2.14	20.30	1.26
2.317	1.35	8.317	26.31	14.317	2.14	20.32	1.26

2.333	1.35	8.333	26.29	14.333	2.14	20.33	1.26
2.350	1.39	8.350	18.21	14.350	2.10	20.35	1.25
2.367	1.39	8.367	18.21	14.367	2.10	20.37	1.25
2.383	1.39	8.383	18.21	14.383	2.10	20.38	1.25
2.400	1.39	8.400	18.21	14.400	2.10	20.40	1.25
2.417	1.39	8.417	18.21	14.417	2.10	20.42	1.25
2.433	1.39	8.433	18.21	14.433	2.10	20.43	1.25
2.450	1.39	8.450	18.21	14.450	2.10	20.45	1.25
2.467	1.39	8.467	18.21	14.467	2.10	20.47	1.25
2.483	1.39	8.483	18.21	14.483	2.10	20.48	1.25
2.500	1.39	8.500	18.20	14.500	2.10	20.50	1.25
2.517	1.42	8.517	14.08	14.517	2.05	20.52	1.23
2.533	1.42	8.533	14.08	14.533	2.05	20.53	1.23
2.550	1.42	8.550	14.08	14.550	2.05	20.55	1.23
2.567	1.42	8.567	14.08	14.567	2.05	20.57	1.23
2.583	1.42	8.583	14.08	14.583	2.05	20.58	1.23
2.600	1.42	8.600	14.08	14.600	2.05	20.60	1.23
2.617	1.42	8.617	14.08	14.617	2.05	20.62	1.23
2.633	1.42	8.633	14.08	14.633	2.05	20.63	1.23
2.650	1.42	8.650	14.08	14.650	2.05	20.65	1.23
2.667	1.42	8.667	14.07	14.667	2.05	20.67	1.23
2.683	1.46	8.683	11.56	14.683	2.01	20.68	1.22
2.700	1.46	8.700	11.56	14.700	2.01	20.70	1.22
2.717	1.46	8.717	11.56	14.717	2.01	20.72	1.22
2.733	1.46	8.733	11.56	14.733	2.01	20.73	1.22
2.750	1.46	8.750	11.56	14.750	2.01	20.75	1.22
2.767	1.46	8.767	11.56	14.767	2.01	20.77	1.22
2.783	1.46	8.783	11.56	14.783	2.01	20.78	1.22
2.800	1.46	8.800	11.56	14.800	2.01	20.80	1.22
2.817	1.46	8.817	11.56	14.817	2.01	20.82	1.22
2.833	1.46	8.833	11.56	14.833	2.01	20.83	1.22
2.850	1.50	8.850	9.86	14.850	1.98	20.85	1.21
2.867	1.50	8.867	9.86	14.867	1.98	20.87	1.21
2.883	1.50	8.883	9.86	14.883	1.98	20.88	1.21
2.900	1.50	8.900	9.86	14.900	1.98	20.90	1.21
2.917	1.50	8.917	9.86	14.917	1.98	20.92	1.21
2.933	1.50	8.933	9.86	14.933	1.98	20.93	1.21
2.950	1.50	8.950	9.86	14.950	1.98	20.95	1.21
2.967	1.50	8.967	9.86	14.967	1.98	20.97	1.21
2.983	1.50	8.983	9.86	14.983	1.98	20.98	1.21
3.000	1.50	9.000	9.86	15.000	1.98	21.00	1.21
3.017	1.54	9.017	8.63	15.017	1.94	21.02	1.20
3.033	1.54	9.033	8.63	15.033	1.94	21.03	1.20
3.050	1.54	9.050	8.63	15.050	1.94	21.05	1.20
3.067	1.54	9.067	8.63	15.067	1.94	21.07	1.20
3.083	1.54	9.083	8.63	15.083	1.94	21.08	1.20
3.100	1.54	9.100	8.63	15.100	1.94	21.10	1.20
3.117	1.54	9.117	8.63	15.117	1.94	21.12	1.20
3.133	1.54	9.133	8.63	15.133	1.94	21.13	1.20
3.150	1.54	9.150	8.63	15.150	1.94	21.15	1.20

3.167	1.54	9.167	8.63	15.167	1.94	21.17	1.20
3.183	1.58	9.183	7.70	15.183	1.90	21.18	1.19
3.200	1.58	9.200	7.70	15.200	1.90	21.20	1.19
3.217	1.58	9.217	7.70	15.217	1.90	21.22	1.19
3.233	1.58	9.233	7.70	15.233	1.90	21.23	1.19
3.250	1.58	9.250	7.70	15.250	1.90	21.25	1.19
3.267	1.58	9.267	7.70	15.267	1.90	21.27	1.19
3.283	1.58	9.283	7.70	15.283	1.90	21.28	1.19
3.300	1.58	9.300	7.70	15.300	1.90	21.30	1.19
3.317	1.58	9.317	7.70	15.317	1.90	21.32	1.19
3.333	1.58	9.333	7.70	15.333	1.90	21.33	1.19
3.350	1.63	9.350	6.96	15.350	1.87	21.35	1.17
3.367	1.63	9.367	6.96	15.367	1.87	21.37	1.17
3.383	1.63	9.383	6.96	15.383	1.87	21.38	1.17
3.400	1.63	9.400	6.96	15.400	1.87	21.40	1.17
3.417	1.63	9.417	6.96	15.417	1.87	21.42	1.17
3.433	1.63	9.433	6.96	15.433	1.87	21.43	1.17
3.450	1.63	9.450	6.96	15.450	1.87	21.45	1.17
3.467	1.63	9.467	6.96	15.467	1.87	21.47	1.17
3.483	1.63	9.483	6.96	15.483	1.87	21.48	1.17
3.500	1.63	9.500	6.96	15.500	1.87	21.50	1.17
3.517	1.68	9.517	6.37	15.517	1.84	21.52	1.16
3.533	1.68	9.533	6.37	15.533	1.84	21.53	1.16
3.550	1.68	9.550	6.37	15.550	1.84	21.55	1.16
3.567	1.68	9.567	6.37	15.567	1.84	21.57	1.16
3.583	1.68	9.583	6.37	15.583	1.84	21.58	1.16
3.600	1.68	9.600	6.37	15.600	1.84	21.60	1.16
3.617	1.68	9.617	6.37	15.617	1.84	21.62	1.16
3.633	1.68	9.633	6.37	15.633	1.84	21.63	1.16
3.650	1.68	9.650	6.37	15.650	1.84	21.65	1.16
3.667	1.68	9.667	6.37	15.667	1.84	21.67	1.16
3.683	1.73	9.683	5.88	15.683	1.81	21.68	1.15
3.700	1.73	9.700	5.88	15.700	1.81	21.70	1.15
3.717	1.73	9.717	5.88	15.717	1.81	21.72	1.15
3.733	1.73	9.733	5.88	15.733	1.81	21.73	1.15
3.750	1.73	9.750	5.88	15.750	1.81	21.75	1.15
3.767	1.73	9.767	5.88	15.767	1.81	21.77	1.15
3.783	1.73	9.783	5.88	15.783	1.81	21.78	1.15
3.800	1.73	9.800	5.88	15.800	1.81	21.80	1.15
3.817	1.73	9.817	5.88	15.817	1.81	21.82	1.15
3.833	1.73	9.833	5.88	15.833	1.81	21.83	1.15
3.850	1.79	9.850	5.47	15.850	1.78	21.85	1.14
3.867	1.79	9.867	5.47	15.867	1.78	21.87	1.14
3.883	1.79	9.883	5.47	15.883	1.78	21.88	1.14
3.900	1.79	9.900	5.47	15.900	1.78	21.90	1.14
3.917	1.79	9.917	5.47	15.917	1.78	21.92	1.14
3.933	1.79	9.933	5.47	15.933	1.78	21.93	1.14
3.950	1.79	9.950	5.47	15.950	1.78	21.95	1.14
3.967	1.79	9.967	5.47	15.967	1.78	21.97	1.14
3.983	1.79	9.983	5.47	15.983	1.78	21.98	1.14

4.000	1.79	10.000	5.47	16.000	1.78	22.00	1.14
4.017	1.85	10.017	5.12	16.017	1.75	22.02	1.13
4.033	1.85	10.033	5.12	16.033	1.75	22.03	1.13
4.050	1.85	10.050	5.12	16.050	1.75	22.05	1.13
4.067	1.85	10.067	5.12	16.067	1.75	22.07	1.13
4.083	1.85	10.083	5.12	16.083	1.75	22.08	1.13
4.100	1.85	10.100	5.12	16.100	1.75	22.10	1.13
4.117	1.85	10.117	5.12	16.117	1.75	22.12	1.13
4.133	1.85	10.133	5.12	16.133	1.75	22.13	1.13
4.150	1.85	10.150	5.12	16.150	1.75	22.15	1.13
4.167	1.85	10.167	5.12	16.167	1.75	22.17	1.13
4.183	1.92	10.183	4.81	16.183	1.72	22.18	1.12
4.200	1.92	10.200	4.81	16.200	1.72	22.20	1.12
4.217	1.92	10.217	4.81	16.217	1.72	22.22	1.12
4.233	1.92	10.233	4.81	16.233	1.72	22.23	1.12
4.250	1.92	10.250	4.81	16.250	1.72	22.25	1.12
4.267	1.92	10.267	4.81	16.267	1.72	22.27	1.12
4.283	1.92	10.283	4.81	16.283	1.72	22.28	1.12
4.300	1.92	10.300	4.81	16.300	1.72	22.30	1.12
4.317	1.92	10.317	4.81	16.317	1.72	22.32	1.12
4.333	1.92	10.333	4.81	16.333	1.72	22.33	1.12
4.350	1.99	10.350	4.55	16.350	1.69	22.35	1.11
4.367	1.99	10.367	4.55	16.367	1.69	22.37	1.11
4.383	1.99	10.383	4.55	16.383	1.69	22.38	1.11
4.400	1.99	10.400	4.55	16.400	1.69	22.40	1.11
4.417	1.99	10.417	4.55	16.417	1.69	22.42	1.11
4.433	1.99	10.433	4.55	16.433	1.69	22.43	1.11
4.450	1.99	10.450	4.55	16.450	1.69	22.45	1.11
4.467	1.99	10.467	4.55	16.467	1.69	22.47	1.11
4.483	1.99	10.483	4.55	16.483	1.69	22.48	1.11
4.500	1.99	10.500	4.54	16.500	1.69	22.50	1.11
4.517	2.07	10.517	4.31	16.517	1.67	22.52	1.10
4.533	2.07	10.533	4.31	16.533	1.67	22.53	1.10
4.550	2.07	10.550	4.31	16.550	1.67	22.55	1.10
4.567	2.07	10.567	4.31	16.567	1.67	22.57	1.10
4.583	2.07	10.583	4.31	16.583	1.67	22.58	1.10
4.600	2.07	10.600	4.31	16.600	1.67	22.60	1.10
4.617	2.07	10.617	4.31	16.617	1.67	22.62	1.10
4.633	2.07	10.633	4.31	16.633	1.67	22.63	1.10
4.650	2.07	10.650	4.31	16.650	1.67	22.65	1.10
4.667	2.07	10.667	4.31	16.667	1.67	22.67	1.10
4.683	2.16	10.683	4.10	16.683	1.64	22.68	1.09
4.700	2.16	10.700	4.10	16.700	1.64	22.70	1.09
4.717	2.16	10.717	4.10	16.717	1.64	22.72	1.09
4.733	2.16	10.733	4.10	16.733	1.64	22.73	1.09
4.750	2.16	10.750	4.10	16.750	1.64	22.75	1.09
4.767	2.16	10.767	4.10	16.767	1.64	22.77	1.09
4.783	2.16	10.783	4.10	16.783	1.64	22.78	1.09
4.800	2.16	10.800	4.10	16.800	1.64	22.80	1.09
4.817	2.16	10.817	4.10	16.817	1.64	22.82	1.09

4.833	2.16	10.833	4.10	16.833	1.64	22.83	1.09
4.850	2.26	10.850	3.91	16.850	1.62	22.85	1.08
4.867	2.26	10.867	3.91	16.867	1.62	22.87	1.08
4.883	2.26	10.883	3.91	16.883	1.62	22.88	1.08
4.900	2.26	10.900	3.91	16.900	1.62	22.90	1.08
4.917	2.26	10.917	3.91	16.917	1.62	22.92	1.08
4.933	2.26	10.933	3.91	16.933	1.62	22.93	1.08
4.950	2.26	10.950	3.91	16.950	1.62	22.95	1.08
4.967	2.26	10.967	3.91	16.967	1.62	22.97	1.08
4.983	2.26	10.983	3.91	16.983	1.62	22.98	1.08
5.000	2.26	11.000	3.91	17.000	1.62	23.00	1.08
5.017	2.36	11.017	3.74	17.017	1.59	23.02	1.07
5.033	2.36	11.033	3.74	17.033	1.59	23.03	1.07
5.050	2.36	11.050	3.74	17.050	1.59	23.05	1.07
5.067	2.36	11.067	3.74	17.067	1.59	23.07	1.07
5.083	2.36	11.083	3.74	17.083	1.59	23.08	1.07
5.100	2.36	11.100	3.74	17.100	1.59	23.10	1.07
5.117	2.36	11.117	3.74	17.117	1.59	23.12	1.07
5.133	2.36	11.133	3.74	17.133	1.59	23.13	1.07
5.150	2.36	11.150	3.74	17.150	1.59	23.15	1.07
5.167	2.36	11.167	3.74	17.167	1.59	23.17	1.07
5.183	2.48	11.183	3.59	17.183	1.57	23.18	1.06
5.200	2.48	11.200	3.59	17.200	1.57	23.20	1.06
5.217	2.48	11.217	3.59	17.217	1.57	23.22	1.06
5.233	2.48	11.233	3.59	17.233	1.57	23.23	1.06
5.250	2.48	11.250	3.59	17.250	1.57	23.25	1.06
5.267	2.48	11.267	3.59	17.267	1.57	23.27	1.06
5.283	2.48	11.283	3.59	17.283	1.57	23.28	1.06
5.300	2.48	11.300	3.59	17.300	1.57	23.30	1.06
5.317	2.48	11.317	3.59	17.317	1.57	23.32	1.06
5.333	2.48	11.333	3.59	17.333	1.57	23.33	1.06
5.350	2.62	11.350	3.45	17.350	1.55	23.35	1.05
5.367	2.62	11.367	3.45	17.367	1.55	23.37	1.05
5.383	2.62	11.383	3.45	17.383	1.55	23.38	1.05
5.400	2.62	11.400	3.45	17.400	1.55	23.40	1.05
5.417	2.62	11.417	3.45	17.417	1.55	23.42	1.05
5.433	2.62	11.433	3.45	17.433	1.55	23.43	1.05
5.450	2.62	11.450	3.45	17.450	1.55	23.45	1.05
5.467	2.62	11.467	3.45	17.467	1.55	23.47	1.05
5.483	2.62	11.483	3.45	17.483	1.55	23.48	1.05
5.500	2.62	11.500	3.45	17.500	1.55	23.50	1.05
5.517	2.77	11.517	3.32	17.517	1.53	23.52	1.04
5.533	2.77	11.533	3.32	17.533	1.53	23.53	1.04
5.550	2.77	11.550	3.32	17.550	1.53	23.55	1.04
5.567	2.77	11.567	3.32	17.567	1.53	23.57	1.04
5.583	2.77	11.583	3.32	17.583	1.53	23.58	1.04
5.600	2.77	11.600	3.32	17.600	1.53	23.60	1.04
5.617	2.77	11.617	3.32	17.617	1.53	23.62	1.04
5.633	2.77	11.633	3.32	17.633	1.53	23.63	1.04
5.650	2.77	11.650	3.32	17.650	1.53	23.65	1.04

5.667	2.77	11.667	3.32	17.667	1.53	23.67	1.04
5.683	2.95	11.683	3.20	17.683	1.51	23.68	1.04
5.700	2.95	11.700	3.20	17.700	1.51	23.70	1.04
5.717	2.95	11.717	3.20	17.717	1.51	23.72	1.04
5.733	2.95	11.733	3.20	17.733	1.51	23.73	1.04
5.750	2.95	11.750	3.20	17.750	1.51	23.75	1.04
5.767	2.95	11.767	3.20	17.767	1.51	23.77	1.04
5.783	2.95	11.783	3.20	17.783	1.51	23.78	1.04
5.800	2.95	11.800	3.20	17.800	1.51	23.80	1.04
5.817	2.95	11.817	3.20	17.817	1.51	23.82	1.04
5.833	2.95	11.833	3.20	17.833	1.51	23.83	1.04
5.850	3.15	11.850	3.10	17.850	1.49	23.85	1.03
5.867	3.15	11.867	3.10	17.867	1.49	23.87	1.03
5.883	3.15	11.883	3.10	17.883	1.49	23.88	1.03
5.900	3.15	11.900	3.10	17.900	1.49	23.90	1.03
5.917	3.15	11.917	3.10	17.917	1.49	23.92	1.03
5.933	3.15	11.933	3.10	17.933	1.49	23.93	1.03
5.950	3.15	11.950	3.10	17.950	1.49	23.95	1.03
5.967	3.15	11.967	3.10	17.967	1.49	23.97	1.03
5.983	3.15	11.983	3.10	17.983	1.49	23.98	1.03
6.000	3.15	12.000	3.10	18.000	1.49	24.00	1.03

Max.Eff.Inten.(mm/hr)=	158.18	144.71	
over (min)	5.00	11.00	
Storage Coeff. (min)=	4.29 (ii)	10.26 (ii)	
Unit Hyd. Tpeak (min)=	5.00	11.00	
Unit Hyd. peak (cms)=	0.25	0.11	
		TOTALS	
PEAK FLOW (cms)=	2.93	1.93	4.512 (iii)
TIME TO PEAK (hrs)=	8.02	8.12	8.03
RUNOFF VOLUME (mm)=	109.00	95.85	102.31
TOTAL RAINFALL (mm)=	110.01	110.01	110.01
RUNOFF COEFFICIENT =	0.99	0.87	0.93

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 94.0 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.

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      V    V   I    SSSSS  U   U    A    L             (v 6.2.2019)
      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
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       OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
      O   O    T      T    H   H   Y Y   MM MM  O   O
      O   O    T      T    H   H    Y    M  M  O   O
       OOO     T      T    H   H    Y    M   M   OOO
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***** 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\voin.dat

Output filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\a1f0933c-393c-4377-b24b-b718dd77ff7f\scenari
Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\a1f0933c-393c-4377-b24b-b718dd77ff7f\scenari

DATE: 01-27-2026 TIME: 02:07:39

USER:

COMMENTS: _____

** SIMULATION : 7 - 100-year 24hr Chic - Milt **

CHICAGO STORM	IDF curve parameters: A=1435.000
Ptotal=122.41 mm	B= 5.200
	C= 0.775

used in: INTENSITY = A / (t + B)^C

Duration of storm = 24.00 hrs
Storm time step = 10.00 min
Time to peak ratio = 0.33

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr

0.00	1.18	6.00	3.80	12.00	3.36	18.00	1.66
0.17	1.20	6.17	4.11	12.17	3.26	18.17	1.64
0.33	1.22	6.33	4.49	12.33	3.16	18.33	1.61
0.50	1.25	6.50	4.95	12.50	3.07	18.50	1.59
0.67	1.27	6.67	5.55	12.67	2.99	18.67	1.58
0.83	1.29	6.83	6.34	12.83	2.91	18.83	1.56
1.00	1.32	7.00	7.44	13.00	2.83	19.00	1.54
1.17	1.34	7.17	9.10	13.17	2.76	19.17	1.52
1.33	1.37	7.33	11.90	13.33	2.69	19.33	1.50
1.50	1.40	7.50	17.89	13.50	2.63	19.50	1.49
1.67	1.43	7.67	41.69	13.67	2.57	19.67	1.47
1.83	1.46	7.83	174.10	13.83	2.51	19.83	1.45
2.00	1.49	8.00	54.37	14.00	2.46	20.00	1.44
2.17	1.53	8.17	29.07	14.17	2.41	20.17	1.42
2.33	1.56	8.33	20.18	14.33	2.36	20.33	1.41
2.50	1.60	8.50	15.63	14.50	2.31	20.50	1.39
2.67	1.64	8.67	12.86	14.67	2.27	20.67	1.38
2.83	1.69	8.83	10.98	14.83	2.22	20.83	1.37
3.00	1.73	9.00	9.62	15.00	2.18	21.00	1.35
3.17	1.78	9.17	8.59	15.17	2.14	21.17	1.34
3.33	1.83	9.33	7.78	15.33	2.11	21.33	1.33
3.50	1.89	9.50	7.12	15.50	2.07	21.50	1.31
3.67	1.95	9.67	6.58	15.67	2.03	21.67	1.30
3.83	2.02	9.83	6.12	15.83	2.00	21.83	1.29
4.00	2.09	10.00	5.73	16.00	1.97	22.00	1.28
4.17	2.16	10.17	5.39	16.17	1.94	22.17	1.26
4.33	2.24	10.33	5.09	16.33	1.91	22.33	1.25
4.50	2.33	10.50	4.83	16.50	1.88	22.50	1.24
4.67	2.43	10.67	4.60	16.67	1.85	22.67	1.23
4.83	2.54	10.83	4.39	16.83	1.82	22.83	1.22
5.00	2.66	11.00	4.20	17.00	1.80	23.00	1.21
5.17	2.79	11.17	4.03	17.17	1.77	23.17	1.20
5.33	2.94	11.33	3.87	17.33	1.75	23.33	1.19
5.50	3.11	11.50	3.73	17.50	1.72	23.50	1.18
5.67	3.31	11.67	3.60	17.67	1.70	23.67	1.17
5.83	3.53	11.83	3.48	17.83	1.68	23.83	1.16

CALIB	
STANDHYD (0001)	Area (ha)= 15.57
ID= 1 DT= 1.0 min	Total Imp(%)= 49.00 Dir. Conn.(%)= 49.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.63	7.94
Dep. Storage	(mm)=	1.00	5.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	322.18	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	1.18	6.017	3.80	12.017	3.36	18.02	1.66
0.033	1.18	6.033	3.80	12.033	3.36	18.03	1.66
0.050	1.18	6.050	3.80	12.050	3.36	18.05	1.66
0.067	1.18	6.067	3.80	12.067	3.36	18.07	1.66
0.083	1.18	6.083	3.80	12.083	3.36	18.08	1.66
0.100	1.18	6.100	3.80	12.100	3.36	18.10	1.66
0.117	1.18	6.117	3.80	12.117	3.36	18.12	1.66
0.133	1.18	6.133	3.80	12.133	3.36	18.13	1.66
0.150	1.18	6.150	3.80	12.150	3.36	18.15	1.66
0.167	1.18	6.167	3.80	12.167	3.36	18.17	1.66
0.183	1.20	6.183	4.11	12.183	3.26	18.18	1.64
0.200	1.20	6.200	4.11	12.200	3.26	18.20	1.64
0.217	1.20	6.217	4.11	12.217	3.26	18.22	1.64
0.233	1.20	6.233	4.11	12.233	3.26	18.23	1.64
0.250	1.20	6.250	4.11	12.250	3.26	18.25	1.64
0.267	1.20	6.267	4.11	12.267	3.26	18.27	1.64
0.283	1.20	6.283	4.11	12.283	3.26	18.28	1.64
0.300	1.20	6.300	4.11	12.300	3.26	18.30	1.64
0.317	1.20	6.317	4.11	12.317	3.26	18.32	1.64
0.333	1.20	6.333	4.11	12.333	3.26	18.33	1.64
0.350	1.22	6.350	4.49	12.350	3.16	18.35	1.61
0.367	1.22	6.367	4.49	12.367	3.16	18.37	1.61
0.383	1.22	6.383	4.49	12.383	3.16	18.38	1.61
0.400	1.22	6.400	4.49	12.400	3.16	18.40	1.61
0.417	1.22	6.417	4.49	12.417	3.16	18.42	1.61
0.433	1.22	6.433	4.49	12.433	3.16	18.43	1.61
0.450	1.22	6.450	4.49	12.450	3.16	18.45	1.61
0.467	1.22	6.467	4.49	12.467	3.16	18.47	1.61
0.483	1.22	6.483	4.49	12.483	3.16	18.48	1.61
0.500	1.22	6.500	4.49	12.500	3.16	18.50	1.61
0.517	1.25	6.517	4.95	12.517	3.07	18.52	1.60
0.533	1.25	6.533	4.95	12.533	3.07	18.53	1.59
0.550	1.25	6.550	4.95	12.550	3.07	18.55	1.59
0.567	1.25	6.567	4.95	12.567	3.07	18.57	1.59
0.583	1.25	6.583	4.95	12.583	3.07	18.58	1.59
0.600	1.25	6.600	4.95	12.600	3.07	18.60	1.59
0.617	1.25	6.617	4.95	12.617	3.07	18.62	1.59
0.633	1.25	6.633	4.95	12.633	3.07	18.63	1.59
0.650	1.25	6.650	4.95	12.650	3.07	18.65	1.59
0.667	1.25	6.667	4.96	12.667	3.07	18.67	1.59
0.683	1.27	6.683	5.55	12.683	2.99	18.68	1.58
0.700	1.27	6.700	5.55	12.700	2.99	18.70	1.58
0.717	1.27	6.717	5.55	12.717	2.99	18.72	1.58
0.733	1.27	6.733	5.55	12.733	2.99	18.73	1.58
0.750	1.27	6.750	5.55	12.750	2.99	18.75	1.58
0.767	1.27	6.767	5.55	12.767	2.99	18.77	1.58
0.783	1.27	6.783	5.55	12.783	2.99	18.78	1.58
0.800	1.27	6.800	5.55	12.800	2.99	18.80	1.58
0.817	1.27	6.817	5.55	12.817	2.99	18.82	1.58
0.833	1.27	6.833	5.55	12.833	2.99	18.83	1.58
0.850	1.29	6.850	6.34	12.850	2.91	18.85	1.56
0.867	1.29	6.867	6.34	12.867	2.91	18.87	1.56
0.883	1.29	6.883	6.34	12.883	2.91	18.88	1.56
0.900	1.29	6.900	6.34	12.900	2.91	18.90	1.56
0.917	1.29	6.917	6.34	12.917	2.91	18.92	1.56
0.933	1.29	6.933	6.34	12.933	2.91	18.93	1.56
0.950	1.29	6.950	6.34	12.950	2.91	18.95	1.56
0.967	1.29	6.967	6.34	12.967	2.91	18.97	1.56
0.983	1.29	6.983	6.34	12.983	2.91	18.98	1.56
1.000	1.29	7.000	6.34	13.000	2.91	19.00	1.56
1.017	1.32	7.017	7.44	13.017	2.83	19.02	1.54
1.033	1.32	7.033	7.44	13.033	2.83	19.03	1.54
1.050	1.32	7.050	7.44	13.050	2.83	19.05	1.54
1.067	1.32	7.067	7.44	13.067	2.83	19.07	1.54
1.083	1.32	7.083	7.44	13.083	2.83	19.08	1.54
1.100	1.32	7.100	7.44	13.100	2.83	19.10	1.54
1.117	1.32	7.117	7.44	13.117	2.83	19.12	1.54
1.133	1.32	7.133	7.44	13.133	2.83	19.13	1.54
1.150	1.32	7.150	7.44	13.150	2.83	19.15	1.54
1.167	1.32	7.167	7.44	13.167	2.83	19.17	1.54
1.183	1.34	7.183	9.10	13.183	2.76	19.18	1.52
1.200	1.34	7.200	9.10	13.200	2.76	19.20	1.52
1.217	1.34	7.217	9.10	13.217	2.76	19.22	1.52
1.233	1.34	7.233	9.10	13.233	2.76	19.23	1.52
1.250	1.34	7.250	9.10	13.250	2.76	19.25	1.52
1.267	1.34	7.267	9.10	13.267	2.76	19.27	1.52
1.283	1.34	7.283	9.10	13.283	2.76	19.28	1.52
1.300	1.34	7.300	9.10	13.300	2.76	19.30	1.52
1.317	1.34	7.317	9.10	13.317	2.76	19.32	1.52
1.333	1.34	7.333	9.10	13.333	2.76	19.33	1.52
1.350	1.37	7.350	11.90	13.350	2.69	19.35	1.50
1.367	1.37	7.367	11.90	13.367	2.69	19.37	1.50
1.383	1.37	7.383	11.90	13.383	2.69	19.38	1.50
1.400	1.37	7.400	11.90	13.400	2.69	19.40	1.50
1.417	1.37	7.417	11.90	13.417	2.69	19.42	1.50
1.433	1.37	7.433	11.90	13.433	2.69	19.43	1.50
1.450	1.37	7.450	11.90	13.450	2.69	19.45	1.50
1.467	1.37	7.467	11.90	13.467	2.69	19.47	1.50
1.483	1.37	7.483	11.90	13.483	2.69	19.48	1.50
1.500	1.37	7.500	11.92	13.500	2.69	19.50	1.50
1.517	1.40	7.517	17.89	13.517	2.63	19.52	1.49
1.533	1.40	7.533	17.89	13.533	2.63	19.53	1.49
1.550	1.40	7.550	17.89	13.550	2.63	19.55	1.49
1.567	1.40	7.567	17.89	13.567	2.63	19.57	1.49
1.583	1.40	7.583	17.89	13.583	2.63	19.58	1.49
1.600	1.40	7.600	17.89	13.600	2.63	19.60	1.49
1.617	1.40	7.617	17.89	13.617	2.63	19.62	1.49
1.633	1.40	7.633	17.89	13.633	2.63	19.63	1.49
1.650	1.40	7.650	17.89	13.650	2.63	19.65	1.49
1.667	1.40	7.667	17.95	13.667	2.63	19.67	1.49
1.683	1.43	7.683	41.69	13.683	2.57	19.68	1.47
1.700	1.43	7.700	41.69	13.700	2.57	19.70	1.47
1.717	1.43	7.717	41.69	13.717	2.57	19.72	1.47
1.733	1.43	7.733	41.69	13.733	2.57	19.73	1.47
1.750	1.43	7.750	41.69	13.750	2.57	19.75	1.47
1.767	1.43	7.767	41.69	13.767	2.57	19.77	1.47
1.783	1.43	7.783	41.69	13.783	2.57	19.78	1.47
1.800	1.43	7.800	41.69	13.800	2.57	19.80	1.47
1.817	1.43	7.817	41.69	13.817	2.57	19.82	1.47
1.833	1.43	7.833	42.07	13.833	2.57	19.83	1.47
1.850	1.46	7.850	174.10	13.850	2.51	19.85	1.45
1.867	1.46	7.867	174.10	13.867	2.51	19.87	1.45
1.883	1.46	7.883	174.10	13.883	2.51	19.88	1.45
1.900	1.46	7.900	174.10	13.900	2.51	19.90	1.45
1.917	1.46	7.917	174.10	13.917	2.51	19.92	1.45
1.933	1.46	7.933	174.10	13.933	2.51	19.93	1.45
1.950	1.46	7.950	174.10	13.950	2.51	19.95	1.45
1.967	1.46	7.967	174.10	13.967	2.51	19.97	1.45
1.983	1.46	7.983	174.10	13.983	2.51	19.98	1.45
2.000	1.46	8.000	173.75	14.000	2.51	20.00	1.45
2.017	1.49	8.017	54.37	14.017	2.46	20.02	1.44
2.033	1.49	8.033	54.37	14.033	2.46	20.03	1.44
2.050	1.49	8.050	54.37	14.050	2.46	20.05	1.44
2.067	1.49	8.067	54.37	14.067	2.46	20.07	1.44
2.083	1.49	8.083	54.37	14.083	2.46	20.08	1.44
2.100	1.49	8.100	54.37	14.100	2.46	20.10	1.44
2.117	1.49	8.117	54.37	14.117	2.46	20.12	1.44
2.133	1.49	8.133	54.37	14.133	2.46	20.13	1.44
2.150	1.49	8.150	54.37	14.150	2.46	20.15	1.44
2.167	1.49	8.167	54.30	14.167	2.46	20.17	1.44
2.183	1.53	8.183	29.07	14.183	2.41	20.18	1.42
2.200	1.53	8.200	29.07	14.200	2.41	20.20	1.42
2.217	1.53	8.217	29.07	14.217	2.41	20.22	1.42
2.233	1.53	8.233	29.07	14.233	2.41	20.23	1.42
2.250	1.53	8.250	29.07	14.250	2.41	20.25	1.42
2.267	1.53	8.267	29.07	14.267	2.41	20.27	1.42
2.283	1.53	8.283	29.07	14.283	2.41	20.28	1.42
2.300	1.53	8.300	29.07	14.300	2.41	20.30	1.42
2.317	1.53	8.317	29.07	14.317	2.41	20.32	1.42
2.333	1.53	8.333	29.05	14.333	2.41	20.33	1.42
2.350	1.56	8.350	20.18	14.350	2.36	20.35	1.41
2.367	1.56	8.367	20.18	14.367	2.36	20.37	1.41
2.383	1.56	8.383	20.18	14.383	2.36	20.38	1.41

2.400	1.56	8.400	20.18	14.400	2.36	20.40	1.41
2.417	1.56	8.417	20.18	14.417	2.36	20.42	1.41
2.433	1.56	8.433	20.18	14.433	2.36	20.43	1.41
2.450	1.56	8.450	20.18	14.450	2.36	20.45	1.41
2.467	1.56	8.467	20.18	14.467	2.36	20.47	1.41
2.483	1.56	8.483	20.18	14.483	2.36	20.48	1.41
2.500	1.56	8.500	20.17	14.500	2.36	20.50	1.41
2.517	1.60	8.517	15.63	14.517	2.31	20.52	1.39
2.533	1.60	8.533	15.63	14.533	2.31	20.53	1.39
2.550	1.60	8.550	15.63	14.550	2.31	20.55	1.39
2.567	1.60	8.567	15.63	14.567	2.31	20.57	1.39
2.583	1.60	8.583	15.63	14.583	2.31	20.58	1.39
2.600	1.60	8.600	15.63	14.600	2.31	20.60	1.39
2.617	1.60	8.617	15.63	14.617	2.31	20.62	1.39
2.633	1.60	8.633	15.63	14.633	2.31	20.63	1.39
2.650	1.60	8.650	15.63	14.650	2.31	20.65	1.39
2.667	1.60	8.667	15.62	14.667	2.31	20.67	1.39
2.683	1.64	8.683	12.86	14.683	2.27	20.68	1.38
2.700	1.64	8.700	12.86	14.700	2.27	20.70	1.38
2.717	1.64	8.717	12.86	14.717	2.27	20.72	1.38
2.733	1.64	8.733	12.86	14.733	2.27	20.73	1.38
2.750	1.64	8.750	12.86	14.750	2.27	20.75	1.38
2.767	1.64	8.767	12.86	14.767	2.27	20.77	1.38
2.783	1.64	8.783	12.86	14.783	2.27	20.78	1.38
2.800	1.64	8.800	12.86	14.800	2.27	20.80	1.38
2.817	1.64	8.817	12.86	14.817	2.27	20.82	1.38
2.833	1.64	8.833	12.85	14.833	2.27	20.83	1.38
2.850	1.69	8.850	10.98	14.850	2.22	20.85	1.37
2.867	1.69	8.867	10.98	14.867	2.22	20.87	1.37
2.883	1.69	8.883	10.98	14.883	2.22	20.88	1.37
2.900	1.69	8.900	10.98	14.900	2.22	20.90	1.37
2.917	1.69	8.917	10.98	14.917	2.22	20.92	1.37
2.933	1.69	8.933	10.98	14.933	2.22	20.93	1.37
2.950	1.69	8.950	10.98	14.950	2.22	20.95	1.37
2.967	1.69	8.967	10.98	14.967	2.22	20.97	1.37
2.983	1.69	8.983	10.98	14.983	2.22	20.98	1.37
3.000	1.69	9.000	10.98	15.000	2.22	21.00	1.37
3.017	1.73	9.017	9.62	15.017	2.18	21.02	1.35
3.033	1.73	9.033	9.62	15.033	2.18	21.03	1.35
3.050	1.73	9.050	9.62	15.050	2.18	21.05	1.35
3.067	1.73	9.067	9.62	15.067	2.18	21.07	1.35
3.083	1.73	9.083	9.62	15.083	2.18	21.08	1.35
3.100	1.73	9.100	9.62	15.100	2.18	21.10	1.35
3.117	1.73	9.117	9.62	15.117	2.18	21.12	1.35
3.133	1.73	9.133	9.62	15.133	2.18	21.13	1.35
3.150	1.73	9.150	9.62	15.150	2.18	21.15	1.35
3.167	1.73	9.167	9.62	15.167	2.18	21.17	1.35
3.183	1.78	9.183	8.59	15.183	2.14	21.18	1.34
3.200	1.78	9.200	8.59	15.200	2.14	21.20	1.34
3.217	1.78	9.217	8.59	15.217	2.14	21.22	1.34
3.233	1.78	9.233	8.59	15.233	2.14	21.23	1.34
3.250	1.78	9.250	8.59	15.250	2.14	21.25	1.34
3.267	1.78	9.267	8.59	15.267	2.14	21.27	1.34
3.283	1.78	9.283	8.59	15.283	2.14	21.28	1.34
3.300	1.78	9.300	8.59	15.300	2.14	21.30	1.34
3.317	1.78	9.317	8.59	15.317	2.14	21.32	1.34
3.333	1.78	9.333	8.59	15.333	2.14	21.33	1.34
3.350	1.83	9.350	7.78	15.350	2.11	21.35	1.33
3.367	1.83	9.367	7.78	15.367	2.11	21.37	1.33
3.383	1.83	9.383	7.78	15.383	2.11	21.38	1.33
3.400	1.83	9.400	7.78	15.400	2.11	21.40	1.33
3.417	1.83	9.417	7.78	15.417	2.11	21.42	1.33
3.433	1.83	9.433	7.78	15.433	2.11	21.43	1.33
3.450	1.83	9.450	7.78	15.450	2.11	21.45	1.33
3.467	1.83	9.467	7.78	15.467	2.11	21.47	1.33
3.483	1.83	9.483	7.78	15.483	2.11	21.48	1.33
3.500	1.83	9.500	7.78	15.500	2.11	21.50	1.33
3.517	1.89	9.517	7.12	15.517	2.07	21.52	1.31
3.533	1.89	9.533	7.12	15.533	2.07	21.53	1.31
3.550	1.89	9.550	7.12	15.550	2.07	21.55	1.31
3.567	1.89	9.567	7.12	15.567	2.07	21.57	1.31
3.583	1.89	9.583	7.12	15.583	2.07	21.58	1.31
3.600	1.89	9.600	7.12	15.600	2.07	21.60	1.31
3.617	1.89	9.617	7.12	15.617	2.07	21.62	1.31
3.633	1.89	9.633	7.12	15.633	2.07	21.63	1.31
3.650	1.89	9.650	7.12	15.650	2.07	21.65	1.31
3.667	1.89	9.667	7.12	15.667	2.07	21.67	1.31
3.683	1.95	9.683	6.58	15.683	2.03	21.68	1.30
3.700	1.95	9.700	6.58	15.700	2.03	21.70	1.30
3.717	1.95	9.717	6.58	15.717	2.03	21.72	1.30
3.733	1.95	9.733	6.58	15.733	2.03	21.73	1.30
3.750	1.95	9.750	6.58	15.750	2.03	21.75	1.30
3.767	1.95	9.767	6.58	15.767	2.03	21.77	1.30
3.783	1.95	9.783	6.58	15.783	2.03	21.78	1.30
3.800	1.95	9.800	6.58	15.800	2.03	21.80	1.30
3.817	1.95	9.817	6.58	15.817	2.03	21.82	1.30
3.833	1.95	9.833	6.58	15.833	2.03	21.83	1.30
3.850	2.02	9.850	6.12	15.850	2.00	21.85	1.29
3.867	2.02	9.867	6.12	15.867	2.00	21.87	1.29
3.883	2.02	9.883	6.12	15.883	2.00	21.88	1.29
3.900	2.02	9.900	6.12	15.900	2.00	21.90	1.29
3.917	2.02	9.917	6.12	15.917	2.00	21.92	1.29
3.933	2.02	9.933	6.12	15.933	2.00	21.93	1.29
3.950	2.02	9.950	6.12	15.950	2.00	21.95	1.29
3.967	2.02	9.967	6.12	15.967	2.00	21.97	1.29
3.983	2.02	9.983	6.12	15.983	2.00	21.98	1.29
4.000	2.02	10.000	6.12	16.000	2.00	22.00	1.29
4.017	2.09	10.017	5.73	16.017	1.97	22.02	1.28
4.033	2.09	10.033	5.73	16.033	1.97	22.03	1.28
4.050	2.09	10.050	5.73	16.050	1.97	22.05	1.28
4.067	2.09	10.067	5.73	16.067	1.97	22.07	1.28
4.083	2.09	10.083	5.73	16.083	1.97	22.08	1.28
4.100	2.09	10.100	5.73	16.100	1.97	22.10	1.28
4.117	2.09	10.117	5.73	16.117	1.97	22.12	1.28
4.133	2.09	10.133	5.73	16.133	1.97	22.13	1.28
4.150	2.09	10.150	5.73	16.150	1.97	22.15	1.28
4.167	2.09	10.167	5.73	16.167	1.97	22.17	1.28
4.183	2.16	10.183	5.39	16.183	1.94	22.18	1.26
4.200	2.16	10.200	5.39	16.200	1.94	22.20	1.26
4.217	2.16	10.217	5.39	16.217	1.94	22.22	1.26
4.233	2.16	10.233	5.39	16.233	1.94	22.23	1.26
4.250	2.16	10.250	5.39	16.250	1.94	22.25	1.26
4.267	2.16	10.267	5.39	16.267	1.94	22.27	1.26
4.283	2.16	10.283	5.39	16.283	1.94	22.28	1.26
4.300	2.16	10.300	5.39	16.300	1.94	22.30	1.26
4.317	2.16	10.317	5.39	16.317	1.94	22.32	1.26
4.333	2.16	10.333	5.39	16.333	1.94	22.33	1.26
4.350	2.24	10.350	5.09	16.350	1.91	22.35	1.25
4.367	2.24	10.367	5.09	16.367	1.91	22.37	1.25
4.383	2.24	10.383	5.09	16.383	1.91	22.38	1.25
4.400	2.24	10.400	5.09	16.400	1.91	22.40	1.25
4.417	2.24	10.417	5.09	16.417	1.91	22.42	1.25
4.433	2.24	10.433	5.09	16.433	1.91	22.43	1.25
4.450	2.24	10.450	5.09	16.450	1.91	22.45	1.25
4.467	2.24	10.467	5.09	16.467	1.91	22.47	1.25
4.483	2.24	10.483	5.09	16.483	1.91	22.48	1.25
4.500	2.24	10.500	5.09	16.500	1.91	22.50	1.25
4.517	2.33	10.517	4.83	16.517	1.88	22.52	1.24
4.533	2.33	10.533	4.83	16.533	1.88	22.53	1.24
4.550	2.33	10.550	4.83	16.550	1.88	22.55	1.24
4.567	2.33	10.567	4.83	16.567	1.88	22.57	1.24
4.583	2.33	10.583	4.83	16.583	1.88	22.58	1.24
4.600	2.33	10.600	4.83	16.600	1.88	22.60	1.24
4.617	2.33	10.617	4.83	16.617	1.88	22.62	1.24
4.633	2.33	10.633	4.83	16.633	1.88	22.63	1.24
4.650	2.33	10.650	4.83	16.650	1.88	22.65	1.24
4.667	2.33	10.667	4.83	16.667	1.88	22.67	1.24
4.683	2.43	10.683	4.60	16.683	1.85	22.68	1.23
4.700	2.43	10.700	4.60	16.700	1.85	22.70	1.23
4.717	2.43	10.717	4.60	16.717	1.85	22.72	1.23
4.733	2.43	10.733	4.60	16.733	1.85	22.73	1.23
4.750	2.43	10.750	4.60	16.750	1.85	22.75	1.23
4.767	2.43	10.767	4.60	16.767	1.85	22.77	1.23
4.783	2.43	10.783	4.60	16.783	1.85	22.78	1.23
4.800	2.43	10.800	4.60	16.800	1.85	22.80	1.23
4.817	2.43	10.817	4.60	16.817	1.85	22.82	1.23
4.833	2.43	10.833	4.60	16.833	1.85	22.83	1.23
4.850	2.54	10.850	4.39	16.850	1.82	22.85	1.22
4.867	2.54	10.867	4.39	16.867	1.82	22.87	1.22
4.883	2.54	10.883	4.39	16.883	1.82	22.88	1.22
4.900	2.54	10.900	4.39	16.900	1.82	22.90	1.22
4.917	2.54	10.917	4.39	16.917	1.82	22.92	1.22
4.933	2.54	10.933	4.39	16.933	1.82	22.93	1.22
4.950	2.54	10.950	4.39	16.950	1.82	22.95	1.22
4.967	2.54	10.967	4.39	16.967	1.82	22.97	1.22
4.983	2.54	10.983	4.39	16.983	1.82	22.98	1.22
5.000	2.54	11.000	4.39	17.000	1.82	23.00	1.22
5.017	2.66	11.017	4.20	17.017	1.80	23.02	1.21
5.033	2.66	11.033	4.20	17.033	1.80	23.03	1.21
5.050	2.66	11.050	4.20	17.050	1.80	23.05	1.21
5.067	2.66	11.067	4.20	17.067	1.80	23.07	1.21
5.083	2.66	11.083	4.20	17.083	1.80	23.08	1.21
5.100	2.66	11.100	4.20	17.100	1.80	23.10	1.21
5.117	2.66	11.117	4.20	17.117	1.80	23.12	1.21
5.133	2.66	11.133	4.20	17.133	1.80	23.13	1.21
5.150	2.66	11.150	4.20	17.150	1.80	23.15	1.21
5.167	2.66	11.167	4.20	17.167	1.80	23.17	1.21
5.183	2.79	11.183	4.03	17.183	1.77	23.18	1.20
5.200	2.79	11.200	4.03	17.200	1.77	23.20	1.20
5.217	2.79	11.217	4.03	17.217	1.77	23.22	1.20
5.233	2.79	11.233	4.03	17.233	1.77	23.23	1.20
5.250	2.79	11.250	4.03	17.250	1.77	23.25	1.20
5.267	2.79	11.267	4.03	17.267	1.77	23.27	1.20
5.283	2.79	11.283	4.03	17.283	1.77	23.28	1.20
5.300	2.79	11.300	4.03	17.300	1.77	23.30	1.20
5.317	2.79	11.317	4.03	17.317	1.77	23.32	1.20
5.333	2.79	11.333	4.03	17.333	1.77	23.33	1.20
5.350	2.94	11.350	3.87	17.350	1.75	23.35	1.19
5.367	2.94	11.367	3.87	17.367	1.75	23.37	1.19
5.383	2.94	11.383	3.87	17.383	1.75	23.38	1.19
5.400	2.94	11.400	3.87	17.400	1.75	23.40	1.19
5.417	2.94	11.417	3.87	17.417	1.75	23.42	1.19
5.433	2.94	11.433	3.87	17.433	1.75	23.43	1.19
5.450	2.94	11.450	3.87	17.450	1.75	23.45	1.19
5.467	2.94	11.467	3.87	17.467	1.75	23.47	1.19
5.483	2.94	11.483	3.87	17.483	1.75	23.48	1.19
5.500	2.94	11.500	3.87	17.500	1.75	23.50	1.19
5.517	3.11	11.517	3.73	17.517	1.72	23.52	1.18
5.533	3.11	11.533	3.73	17.533	1.72	23.53	1.18
5.550	3.11	11.550	3.73	17.550	1.72	23.55	1.18
5.567	3.11	11.567	3.73	17.567	1.72	23.57	1.18
5.583	3.11	11.583	3.73	17.583	1.72	23.58	1.18
5.600	3.11	11.600	3.73	17.600	1.72	23.60	1.18
5.617	3.11	11.617	3.73	17.617	1.72	23.62	1.18
5.633	3.11	11.633	3.73	17.633	1.72	23.63	1.18
5.650	3.11	11.650	3.73	17.650	1.72	23.65	1.18
5.667	3.11	11.667	3.73	17.667	1.72	23.67	1.18
5.683	3.31	11.683	3.60	17.683	1.70	23.68	1.17
5.700	3.31	11.700	3.60	17.700	1.70	23.70	1.17
5.717	3.31	11.717	3.60	17.717	1.70	23.72	1.17

5.733	3.31	11.733	3.60	17.733	1.70	23.73	1.17
5.750	3.31	11.750	3.60	17.750	1.70	23.75	1.17
5.767	3.31	11.767	3.60	17.767	1.70	23.77	1.17
5.783	3.31	11.783	3.60	17.783	1.70	23.78	1.17
5.800	3.31	11.800	3.60	17.800	1.70	23.80	1.17
5.817	3.31	11.817	3.60	17.817	1.70	23.82	1.17
5.833	3.31	11.833	3.60	17.833	1.70	23.83	1.17
5.850	3.53	11.850	3.48	17.850	1.68	23.85	1.16
5.867	3.53	11.867	3.48	17.867	1.68	23.87	1.16
5.883	3.53	11.883	3.48	17.883	1.68	23.88	1.16
5.900	3.53	11.900	3.48	17.900	1.68	23.90	1.16
5.917	3.53	11.917	3.48	17.917	1.68	23.92	1.16
5.933	3.53	11.933	3.48	17.933	1.68	23.93	1.16
5.950	3.53	11.950	3.48	17.950	1.68	23.95	1.16
5.967	3.53	11.967	3.48	17.967	1.68	23.97	1.16
5.983	3.53	11.983	3.48	17.983	1.68	23.98	1.16
6.000	3.53	12.000	3.48	18.000	1.68	24.00	1.16

Max.Eff.Inten.(mm/hr)=	174.10	124.59	
over (min)	5.00	10.00	
Storage Coeff. (min)=	4.13 (ii)	9.87 (ii)	
Unit Hyd. Tpeak (min)=	5.00	10.00	
Unit Hyd. peak (cms)=	0.26	0.11	
			TOTALS
PEAK FLOW (cms)=	3.25	1.70	4.642 (iii)
TIME TO PEAK (hrs)=	8.02	8.12	8.03
RUNOFF VOLUME (mm)=	121.39	84.95	102.82
TOTAL RAINFALL (mm)=	122.41	122.41	122.41
RUNOFF COEFFICIENT =	0.99	0.69	0.84

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

CALIB
STANDHYD (0002) | Area (ha)= 15.57
ID= 1 DT= 1.0 min | Total Imp(%)= 49.00 Dir. Conn.(%)= 49.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.63	7.94
Dep. Storage	(mm)=	1.00	0.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	322.18	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	1.18	6.017	3.80	12.017	3.36	18.02	1.66
0.033	1.18	6.033	3.80	12.033	3.36	18.03	1.66
0.050	1.18	6.050	3.80	12.050	3.36	18.05	1.66
0.067	1.18	6.067	3.80	12.067	3.36	18.07	1.66
0.083	1.18	6.083	3.80	12.083	3.36	18.08	1.66
0.100	1.18	6.100	3.80	12.100	3.36	18.10	1.66
0.117	1.18	6.117	3.80	12.117	3.36	18.12	1.66
0.133	1.18	6.133	3.80	12.133	3.36	18.13	1.66
0.150	1.18	6.150	3.80	12.150	3.36	18.15	1.66
0.167	1.18	6.167	3.80	12.167	3.36	18.17	1.66
0.183	1.20	6.183	4.11	12.183	3.26	18.18	1.64
0.200	1.20	6.200	4.11	12.200	3.26	18.20	1.64
0.217	1.20	6.217	4.11	12.217	3.26	18.22	1.64
0.233	1.20	6.233	4.11	12.233	3.26	18.23	1.64
0.250	1.20	6.250	4.11	12.250	3.26	18.25	1.64
0.267	1.20	6.267	4.11	12.267	3.26	18.27	1.64
0.283	1.20	6.283	4.11	12.283	3.26	18.28	1.64
0.300	1.20	6.300	4.11	12.300	3.26	18.30	1.64
0.317	1.20	6.317	4.11	12.317	3.26	18.32	1.64
0.333	1.20	6.333	4.11	12.333	3.26	18.33	1.64
0.350	1.22	6.350	4.49	12.350	3.16	18.35	1.61
0.367	1.22	6.367	4.49	12.367	3.16	18.37	1.61
0.383	1.22	6.383	4.49	12.383	3.16	18.38	1.61
0.400	1.22	6.400	4.49	12.400	3.16	18.40	1.61
0.417	1.22	6.417	4.49	12.417	3.16	18.42	1.61
0.433	1.22	6.433	4.49	12.433	3.16	18.43	1.61
0.450	1.22	6.450	4.49	12.450	3.16	18.45	1.61
0.467	1.22	6.467	4.49	12.467	3.16	18.47	1.61
0.483	1.22	6.483	4.49	12.483	3.16	18.48	1.61
0.500	1.22	6.500	4.49	12.500	3.16	18.50	1.61
0.517	1.25	6.517	4.95	12.517	3.07	18.52	1.60
0.533	1.25	6.533	4.95	12.533	3.07	18.53	1.59
0.550	1.25	6.550	4.95	12.550	3.07	18.55	1.59
0.567	1.25	6.567	4.95	12.567	3.07	18.57	1.59
0.583	1.25	6.583	4.95	12.583	3.07	18.58	1.59
0.600	1.25	6.600	4.95	12.600	3.07	18.60	1.59
0.617	1.25	6.617	4.95	12.617	3.07	18.62	1.59
0.633	1.25	6.633	4.95	12.633	3.07	18.63	1.59
0.650	1.25	6.650	4.95	12.650	3.07	18.65	1.59
0.667	1.25	6.667	4.96	12.667	3.07	18.67	1.59
0.683	1.27	6.683	5.55	12.683	2.99	18.68	1.58
0.700	1.27	6.700	5.55	12.700	2.99	18.70	1.58
0.717	1.27	6.717	5.55	12.717	2.99	18.72	1.58
0.733	1.27	6.733	5.55	12.733	2.99	18.73	1.58
0.750	1.27	6.750	5.55	12.750	2.99	18.75	1.58
0.767	1.27	6.767	5.55	12.767	2.99	18.77	1.58
0.783	1.27	6.783	5.55	12.783	2.99	18.78	1.58
0.800	1.27	6.800	5.55	12.800	2.99	18.80	1.58
0.817	1.27	6.817	5.55	12.817	2.99	18.82	1.58
0.833	1.27	6.833	5.55	12.833	2.99	18.83	1.58
0.850	1.29	6.850	6.34	12.850	2.91	18.85	1.56
0.867	1.29	6.867	6.34	12.867	2.91	18.87	1.56
0.883	1.29	6.883	6.34	12.883	2.91	18.88	1.56
0.900	1.29	6.900	6.34	12.900	2.91	18.90	1.56
0.917	1.29	6.917	6.34	12.917	2.91	18.92	1.56
0.933	1.29	6.933	6.34	12.933	2.91	18.93	1.56
0.950	1.29	6.950	6.34	12.950	2.91	18.95	1.56
0.967	1.29	6.967	6.34	12.967	2.91	18.97	1.56
0.983	1.29	6.983	6.34	12.983	2.91	18.98	1.56
1.000	1.29	7.000	6.34	13.000	2.91	19.00	1.56
1.017	1.32	7.017	7.44	13.017	2.83	19.02	1.54
1.033	1.32	7.033	7.44	13.033	2.83	19.03	1.54
1.050	1.32	7.050	7.44	13.050	2.83	19.05	1.54
1.067	1.32	7.067	7.44	13.067	2.83	19.07	1.54
1.083	1.32	7.083	7.44	13.083	2.83	19.08	1.54
1.100	1.32	7.100	7.44	13.100	2.83	19.10	1.54
1.117	1.32	7.117	7.44	13.117	2.83	19.12	1.54
1.133	1.32	7.133	7.44	13.133	2.83	19.13	1.54
1.150	1.32	7.150	7.44	13.150	2.83	19.15	1.54
1.167	1.32	7.167	7.44	13.167	2.83	19.17	1.54
1.183	1.34	7.183	9.10	13.183	2.76	19.18	1.52
1.200	1.34	7.200	9.10	13.200	2.76	19.20	1.52
1.217	1.34	7.217	9.10	13.217	2.76	19.22	1.52
1.233	1.34	7.233	9.10	13.233	2.76	19.23	1.52
1.250	1.34	7.250	9.10	13.250	2.76	19.25	1.52
1.267	1.34	7.267	9.10	13.267	2.76	19.27	1.52
1.283	1.34	7.283	9.10	13.283	2.76	19.28	1.52
1.300	1.34	7.300	9.10	13.300	2.76	19.30	1.52
1.317	1.34	7.317	9.10	13.317	2.76	19.32	1.52
1.333	1.34	7.333	9.10	13.333	2.76	19.33	1.52
1.350	1.37	7.350	11.90	13.350	2.69	19.35	1.50
1.367	1.37	7.367	11.90	13.367	2.69	19.37	1.50
1.383	1.37	7.383	11.90	13.383	2.69	19.38	1.50
1.400	1.37	7.400	11.90	13.400	2.69	19.40	1.50
1.417	1.37	7.417	11.90	13.417	2.69	19.42	1.50
1.433	1.37	7.433	11.90	13.433	2.69	19.43	1.50
1.450	1.37	7.450	11.90	13.450	2.69	19.45	1.50
1.467	1.37	7.467	11.90	13.467	2.69	19.47	1.50
1.483	1.37	7.483	11.90	13.483	2.69	19.48	1.50
1.500	1.37	7.500	11.92	13.500	2.69	19.50	1.50
1.517	1.40	7.517	17.89	13.517	2.63	19.52	1.49
1.533	1.40	7.533	17.89	13.533	2.63	19.53	1.49
1.550	1.40	7.550	17.89	13.550	2.63	19.55	1.49
1.567	1.40	7.567	17.89	13.567	2.63	19.57	1.49
1.583	1.40	7.583	17.89	13.583	2.63	19.58	1.49
1.600	1.40	7.600	17.89	13.600	2.63	19.60	1.49
1.617	1.40	7.617	17.89	13.617	2.63	19.62	1.49
1.633	1.40	7.633	17.89	13.633	2.63	19.63	1.49
1.650	1.40	7.650	17.89	13.650	2.63	19.65	1.49
1.667	1.40	7.667	17.95	13.667	2.63	19.67	1.49
1.683	1.43	7.683	41.69	13.683	2.57	19.68	1.47
1.700	1.43	7.700	41.69	13.700	2.57	19.70	1.47
1.717	1.43	7.717	41.69	13.717	2.57	19.72	1.47
1.733	1.43	7.733	41.69	13.733	2.57	19.73	1.47
1.750	1.43	7.750	41.69	13.750	2.57	19.75	1.47
1.767	1.43	7.767	41.69	13.767	2.57	19.77	1.47
1.783	1.43	7.783	41.69	13.783	2.57	19.78	1.47
1.800	1.43	7.800	41.69	13.800	2.57	19.80	1.47
1.817	1.43	7.817	41.69	13.817	2.57	19.82	1.47
1.833	1.43	7.833	42.07	13.833	2.57	19.83	1.47
1.850	1.46	7.850	174.10	13.850	2.51	19.85	1.45
1.867	1.46	7.867	174.10	13.867	2.51	19.87	1.45
1.883	1.46	7.883	174.10	13.883	2.51	19.88	1.45
1.900	1.46	7.900	174.10	13.900	2.51	19.90	1.45
1.917	1.46	7.917	174.10	13.917	2.51	19.92	1.45
1.933	1.46	7.933	174.10	13.933	2.51	19.93	1.45
1.950	1.46	7.950	174.10	13.950	2.51	19.95	1.45
1.967	1.46	7.967	174.10	13.967	2.51	19.97	1.45
1.983	1.46	7.983	174.10	13.983	2.51	19.98	1.45
2.000	1.46	8.000	173.75	14.000	2.51	20.00	1.45
2.017	1.49	8.017	54.37	14.017	2.46	20.02	1.44
2.033	1.49	8.033	54.37	14.033	2.46	20.03	1.44
2.050	1.49	8.050	54.37	14.050	2.46	20.05	1.44
2.067	1.49	8.067	54.37	14.067	2.46	20.07	1.44
2.083	1.49	8.083	54.37	14.083	2.46	20.08	1.44
2.100	1.49	8.100	54.37	14.100	2.46	20.10	1.44
2.117	1.49	8.117	54.37	14.117	2.46	20.12	1.44
2.133	1.49	8.133	54.37	14.133	2.46	20.13	1.44
2.150	1.49	8.150	54.37	14.150	2.46	20.15	1.44
2.167	1.49	8.167	54.30	14.167	2.46	20.17	1.44
2.183	1.53	8.183	29.07	14.183	2.41	20.18	1.42
2.200	1.53	8.200	29.07	14.200	2.41	20.20	1.42
2.217	1.53	8.217	29.07	14.217	2.41	20.22	1.42
2.233	1.53	8.233	29.07	14.233	2.41	20.23	1.42
2.250	1.53	8.250	29.07	14.250	2.41	20.25	1.42
2.267	1.53	8.267	29.07	14.267	2.41	20.27	1.42
2.283	1.53	8.283	29.07	14.283	2.41	20.28	1.42
2.300	1.53	8.300	29.07	14.300	2.41	20.30	1.42
2.317	1.53	8.317	29.07	14.317	2.41	20.32	1.42
2.333	1.53	8.333	29.05	14.333	2.41	20.33	1.42
2.350	1.56	8.350	20.18	14.350	2.36	20.35	1.41
2.367	1.56	8.367	20.18	14.367	2.36	20.37	1.41
2.383	1.56	8.383	20.18	14.383	2.36	20.38	1.41
2.400	1.56	8.400	20.18	14.400	2.36	20.40	1.41

2.417	1.56	8.417	20.18	14.417	2.36	20.42	1.41
2.433	1.56	8.433	20.18	14.433	2.36	20.43	1.41
2.450	1.56	8.450	20.18	14.450	2.36	20.45	1.41
2.467	1.56	8.467	20.18	14.467	2.36	20.47	1.41
2.483	1.56	8.483	20.18	14.483	2.36	20.48	1.41
2.500	1.56	8.500	20.17	14.500	2.36	20.50	1.41
2.517	1.60	8.517	15.63	14.517	2.31	20.52	1.39
2.533	1.60	8.533	15.63	14.533	2.31	20.53	1.39
2.550	1.60	8.550	15.63	14.550	2.31	20.55	1.39
2.567	1.60	8.567	15.63	14.567	2.31	20.57	1.39
2.583	1.60	8.583	15.63	14.583	2.31	20.58	1.39
2.600	1.60	8.600	15.63	14.600	2.31	20.60	1.39
2.617	1.60	8.617	15.63	14.617	2.31	20.62	1.39
2.633	1.60	8.633	15.63	14.633	2.31	20.63	1.39
2.650	1.60	8.650	15.63	14.650	2.31	20.65	1.39
2.667	1.60	8.667	15.62	14.667	2.31	20.67	1.39
2.683	1.64	8.683	12.86	14.683	2.27	20.68	1.38
2.700	1.64	8.700	12.86	14.700	2.27	20.70	1.38
2.717	1.64	8.717	12.86	14.717	2.27	20.72	1.38
2.733	1.64	8.733	12.86	14.733	2.27	20.73	1.38
2.750	1.64	8.750	12.86	14.750	2.27	20.75	1.38
2.767	1.64	8.767	12.86	14.767	2.27	20.77	1.38
2.783	1.64	8.783	12.86	14.783	2.27	20.78	1.38
2.800	1.64	8.800	12.86	14.800	2.27	20.80	1.38
2.817	1.64	8.817	12.86	14.817	2.27	20.82	1.38
2.833	1.64	8.833	12.85	14.833	2.27	20.83	1.38
2.850	1.69	8.850	10.98	14.850	2.22	20.85	1.37
2.867	1.69	8.867	10.98	14.867	2.22	20.87	1.37
2.883	1.69	8.883	10.98	14.883	2.22	20.88	1.37
2.900	1.69	8.900	10.98	14.900	2.22	20.90	1.37
2.917	1.69	8.917	10.98	14.917	2.22	20.92	1.37
2.933	1.69	8.933	10.98	14.933	2.22	20.93	1.37
2.950	1.69	8.950	10.98	14.950	2.22	20.95	1.37
2.967	1.69	8.967	10.98	14.967	2.22	20.97	1.37
2.983	1.69	8.983	10.98	14.983	2.22	20.98	1.37
3.000	1.69	9.000	10.98	15.000	2.22	21.00	1.37
3.017	1.73	9.017	9.62	15.017	2.18	21.02	1.35
3.033	1.73	9.033	9.62	15.033	2.18	21.03	1.35
3.050	1.73	9.050	9.62	15.050	2.18	21.05	1.35
3.067	1.73	9.067	9.62	15.067	2.18	21.07	1.35
3.083	1.73	9.083	9.62	15.083	2.18	21.08	1.35
3.100	1.73	9.100	9.62	15.100	2.18	21.10	1.35
3.117	1.73	9.117	9.62	15.117	2.18	21.12	1.35
3.133	1.73	9.133	9.62	15.133	2.18	21.13	1.35
3.150	1.73	9.150	9.62	15.150	2.18	21.15	1.35
3.167	1.73	9.167	9.62	15.167	2.18	21.17	1.35
3.183	1.78	9.183	8.59	15.183	2.14	21.18	1.34
3.200	1.78	9.200	8.59	15.200	2.14	21.20	1.34
3.217	1.78	9.217	8.59	15.217	2.14	21.22	1.34
3.233	1.78	9.233	8.59	15.233	2.14	21.23	1.34
3.250	1.78	9.250	8.59	15.250	2.14	21.25	1.34
3.267	1.78	9.267	8.59	15.267	2.14	21.27	1.34
3.283	1.78	9.283	8.59	15.283	2.14	21.28	1.34
3.300	1.78	9.300	8.59	15.300	2.14	21.30	1.34
3.317	1.78	9.317	8.59	15.317	2.14	21.32	1.34
3.333	1.78	9.333	8.59	15.333	2.14	21.33	1.34
3.350	1.83	9.350	7.78	15.350	2.11	21.35	1.33
3.367	1.83	9.367	7.78	15.367	2.11	21.37	1.33
3.383	1.83	9.383	7.78	15.383	2.11	21.38	1.33
3.400	1.83	9.400	7.78	15.400	2.11	21.40	1.33
3.417	1.83	9.417	7.78	15.417	2.11	21.42	1.33
3.433	1.83	9.433	7.78	15.433	2.11	21.43	1.33
3.450	1.83	9.450	7.78	15.450	2.11	21.45	1.33
3.467	1.83	9.467	7.78	15.467	2.11	21.47	1.33
3.483	1.83	9.483	7.78	15.483	2.11	21.48	1.33
3.500	1.83	9.500	7.78	15.500	2.11	21.50	1.33
3.517	1.89	9.517	7.12	15.517	2.07	21.52	1.31
3.533	1.89	9.533	7.12	15.533	2.07	21.53	1.31
3.550	1.89	9.550	7.12	15.550	2.07	21.55	1.31
3.567	1.89	9.567	7.12	15.567	2.07	21.57	1.31
3.583	1.89	9.583	7.12	15.583	2.07	21.58	1.31
3.600	1.89	9.600	7.12	15.600	2.07	21.60	1.31
3.617	1.89	9.617	7.12	15.617	2.07	21.62	1.31
3.633	1.89	9.633	7.12	15.633	2.07	21.63	1.31
3.650	1.89	9.650	7.12	15.650	2.07	21.65	1.31
3.667	1.89	9.667	7.12	15.667	2.07	21.67	1.31
3.683	1.95	9.683	6.58	15.683	2.03	21.68	1.30
3.700	1.95	9.700	6.58	15.700	2.03	21.70	1.30
3.717	1.95	9.717	6.58	15.717	2.03	21.72	1.30
3.733	1.95	9.733	6.58	15.733	2.03	21.73	1.30
3.750	1.95	9.750	6.58	15.750	2.03	21.75	1.30
3.767	1.95	9.767	6.58	15.767	2.03	21.77	1.30
3.783	1.95	9.783	6.58	15.783	2.03	21.78	1.30
3.800	1.95	9.800	6.58	15.800	2.03	21.80	1.30
3.817	1.95	9.817	6.58	15.817	2.03	21.82	1.30
3.833	1.95	9.833	6.58	15.833	2.03	21.83	1.30
3.850	2.02	9.850	6.12	15.850	2.00	21.85	1.29
3.867	2.02	9.867	6.12	15.867	2.00	21.87	1.29
3.883	2.02	9.883	6.12	15.883	2.00	21.88	1.29
3.900	2.02	9.900	6.12	15.900	2.00	21.90	1.29
3.917	2.02	9.917	6.12	15.917	2.00	21.92	1.29
3.933	2.02	9.933	6.12	15.933	2.00	21.93	1.29
3.950	2.02	9.950	6.12	15.950	2.00	21.95	1.29
3.967	2.02	9.967	6.12	15.967	2.00	21.97	1.29
3.983	2.02	9.983	6.12	15.983	2.00	21.98	1.29
4.000	2.02	10.000	6.12	16.000	2.00	22.00	1.29
4.017	2.09	10.017	5.73	16.017	1.97	22.02	1.28
4.033	2.09	10.033	5.73	16.033	1.97	22.03	1.28
4.050	2.09	10.050	5.73	16.050	1.97	22.05	1.28
4.067	2.09	10.067	5.73	16.067	1.97	22.07	1.28
4.083	2.09	10.083	5.73	16.083	1.97	22.08	1.28
4.100	2.09	10.100	5.73	16.100	1.97	22.10	1.28
4.117	2.09	10.117	5.73	16.117	1.97	22.12	1.28
4.133	2.09	10.133	5.73	16.133	1.97	22.13	1.28
4.150	2.09	10.150	5.73	16.150	1.97	22.15	1.28
4.167	2.09	10.167	5.73	16.167	1.97	22.17	1.28
4.183	2.16	10.183	5.39	16.183	1.94	22.18	1.26
4.200	2.16	10.200	5.39	16.200	1.94	22.20	1.26
4.217	2.16	10.217	5.39	16.217	1.94	22.22	1.26
4.233	2.16	10.233	5.39	16.233	1.94	22.23	1.26
4.250	2.16	10.250	5.39	16.250	1.94	22.25	1.26
4.267	2.16	10.267	5.39	16.267	1.94	22.27	1.26
4.283	2.16	10.283	5.39	16.283	1.94	22.28	1.26
4.300	2.16	10.300	5.39	16.300	1.94	22.30	1.26
4.317	2.16	10.317	5.39	16.317	1.94	22.32	1.26
4.333	2.16	10.333	5.39	16.333	1.94	22.33	1.26
4.350	2.24	10.350	5.09	16.350	1.91	22.35	1.25
4.367	2.24	10.367	5.09	16.367	1.91	22.37	1.25
4.383	2.24	10.383	5.09	16.383	1.91	22.38	1.25
4.400	2.24	10.400	5.09	16.400	1.91	22.40	1.25
4.417	2.24	10.417	5.09	16.417	1.91	22.42	1.25
4.433	2.24	10.433	5.09	16.433	1.91	22.43	1.25
4.450	2.24	10.450	5.09	16.450	1.91	22.45	1.25
4.467	2.24	10.467	5.09	16.467	1.91	22.47	1.25
4.483	2.24	10.483	5.09	16.483	1.91	22.48	1.25
4.500	2.24	10.500	5.09	16.500	1.91	22.50	1.25
4.517	2.33	10.517	4.83	16.517	1.88	22.52	1.24
4.533	2.33	10.533	4.83	16.533	1.88	22.53	1.24
4.550	2.33	10.550	4.83	16.550	1.88	22.55	1.24
4.567	2.33	10.567	4.83	16.567	1.88	22.57	1.24
4.583	2.33	10.583	4.83	16.583	1.88	22.58	1.24
4.600	2.33	10.600	4.83	16.600	1.88	22.60	1.24
4.617	2.33	10.617	4.83	16.617	1.88	22.62	1.24
4.633	2.33	10.633	4.83	16.633	1.88	22.63	1.24
4.650	2.33	10.650	4.83	16.650	1.88	22.65	1.24
4.667	2.33	10.667	4.83	16.667	1.88	22.67	1.24
4.683	2.43	10.683	4.60	16.683	1.85	22.68	1.23
4.700	2.43	10.700	4.60	16.700	1.85	22.70	1.23
4.717	2.43	10.717	4.60	16.717	1.85	22.72	1.23
4.733	2.43	10.733	4.60	16.733	1.85	22.73	1.23
4.750	2.43	10.750	4.60	16.750	1.85	22.75	1.23
4.767	2.43	10.767	4.60	16.767	1.85	22.77	1.23
4.783	2.43	10.783	4.60	16.783	1.85	22.78	1.23
4.800	2.43	10.800	4.60	16.800	1.85	22.80	1.23
4.817	2.43	10.817	4.60	16.817	1.85	22.82	1.23
4.833	2.43	10.833	4.60	16.833	1.85	22.83	1.23
4.850	2.54	10.850	4.39	16.850	1.82	22.85	1.22
4.867	2.54	10.867	4.39	16.867	1.82	22.87	1.22
4.883	2.54	10.883	4.39	16.883	1.82	22.88	1.22
4.900	2.54	10.900	4.39	16.900	1.82	22.90	1.22
4.917	2.54	10.917	4.39	16.917	1.82	22.92	1.22
4.933	2.54	10.933	4.39	16.933	1.82	22.93	1.22
4.950	2.54	10.950	4.39	16.950	1.82	22.95	1.22
4.967	2.54	10.967	4.39	16.967	1.82	22.97	1.22
4.983	2.54	10.983	4.39	16.983	1.82	22.98	1.22
5.000	2.54	11.000	4.39	17.000	1.82	23.00	1.22
5.017	2.66	11.017	4.20	17.017	1.80	23.02	1.21
5.033	2.66	11.033	4.20	17.033	1.80	23.03	1.21
5.050	2.66	11.050	4.20	17.050	1.80	23.05	1.21
5.067	2.66	11.067	4.20	17.067	1.80	23.07	1.21
5.083	2.66	11.083	4.20	17.083	1.80	23.08	1.21
5.100	2.66	11.100	4.20	17.100	1.80	23.10	1.21
5.117	2.66	11.117	4.20	17.117	1.80	23.12	1.21
5.133	2.66	11.133	4.20	17.133	1.80	23.13	1.21
5.150	2.66	11.150	4.20	17.150	1.80	23.15	1.21
5.167	2.66	11.167	4.20	17.167	1.80	23.17	1.21
5.183	2.79	11.183	4.03	17.183	1.77	23.18	1.20
5.200	2.79	11.200	4.03	17.200	1.77	23.20	1.20
5.217	2.79	11.217	4.03	17.217	1.77	23.22	1.20
5.233	2.79	11.233	4.03	17.233	1.77	23.23	1.20
5.250	2.79	11.250	4.03	17.250	1.77	23.25	1.20
5.267	2.79	11.267	4.03	17.267	1.77	23.27	1.20
5.283	2.79	11.283	4.03	17.283	1.77	23.28	1.20
5.300	2.79	11.300	4.03	17.300	1.77	23.30	1.20
5.317	2.79	11.317	4.03	17.317	1.77	23.32	1.20
5.333	2.79	11.333	4.03	17.333	1.77	23.33	1.20
5.350	2.94	11.350	3.87	17.350	1.75	23.35	1.19
5.367	2.94	11.367	3.87	17.367	1.75	23.37	1.19
5.383	2.94	11.383	3.87	17.383	1.75	23.38	1.19
5.400	2.94	11.400	3.87	17.400	1.75	23.40	1.19
5.417	2.94	11.417	3.87	17.417	1.75	23.42	1.19
5.433	2.94	11.433	3.87	17.433	1.75	23.43	1.19
5.450	2.94	11.450	3.87	17.450	1.75	23.45	1.19
5.467	2.94	11.467	3.87	17.467	1.75	23.47	1.19
5.483	2.94	11.483	3.87	17.483	1.75	23.48	1.19
5.500	2.94	11.500	3.87	17.500	1.75	23.50	1.19
5.517	3.11	11.517	3.73	17.517	1.72	23.52	1.18
5.533	3.11	11.533	3.73	17.533	1.72	23.53	1.18
5.550	3.11	11.550	3.73	17.550	1.72	23.55	1.18
5.567	3.11	11.567	3.73	17.567	1.72	23.57	1.18
5.583	3.11	11.583	3.73	17.583	1.72	23.58	1.18
5.600	3.11	11.600	3.73	17.600	1.72	23.60	1.18
5.617	3.11	11.617	3.73	17.617	1.72	23.62	1.18
5.633	3.11	11.633	3.73	17.633	1.72	23.63	1.18
5.650	3.11	11.650	3.73	17.650	1.72	23.65	1.18
5.667	3.11	11.667	3.73	17.667	1.72	23.67	1.18
5.683	3.31	11.683	3.60	17.683	1.70	23.68	1.17
5.700	3.31	11.700	3.60	17.700	1.70	23.70	1.17
5.717	3.31	11.717	3.60	17.717	1.70	23.72	1.17
5.733	3.31	11.733	3.60	17.733	1.70	23.73	1.17

5.750	3.31	11.750	3.60	17.750	1.70	23.75	1.17
5.767	3.31	11.767	3.60	17.767	1.70	23.77	1.17
5.783	3.31	11.783	3.60	17.783	1.70	23.78	1.17
5.800	3.31	11.800	3.60	17.800	1.70	23.80	1.17
5.817	3.31	11.817	3.60	17.817	1.70	23.82	1.17
5.833	3.31	11.833	3.60	17.833	1.70	23.83	1.17
5.850	3.53	11.850	3.48	17.850	1.68	23.85	1.16
5.867	3.53	11.867	3.48	17.867	1.68	23.87	1.16
5.883	3.53	11.883	3.48	17.883	1.68	23.88	1.16
5.900	3.53	11.900	3.48	17.900	1.68	23.90	1.16
5.917	3.53	11.917	3.48	17.917	1.68	23.92	1.16
5.933	3.53	11.933	3.48	17.933	1.68	23.93	1.16
5.950	3.53	11.950	3.48	17.950	1.68	23.95	1.16
5.967	3.53	11.967	3.48	17.967	1.68	23.97	1.16
5.983	3.53	11.983	3.48	17.983	1.68	23.98	1.16
6.000	3.53	12.000	3.48	18.000	1.68	24.00	1.16

Max.Eff.Inten.(mm/hr)=	174.10	161.35	
over (min)	5.00	10.00	
Storage Coeff. (min)=	4.13 (ii)	9.87 (ii)	
Unit Hyd. Tpeak (min)=	5.00	10.00	
Unit Hyd. peak (cms)=	0.26	0.11	
			TOTALS
PEAK FLOW (cms)=	3.25	2.21	5.154 (iii)
TIME TO PEAK (hrs)=	8.02	8.10	8.03
RUNOFF VOLUME (mm)=	121.39	108.06	114.61
TOTAL RAINFALL (mm)=	122.41	122.41	122.41
RUNOFF COEFFICIENT =	0.99	0.88	0.94

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 94.0 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.

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V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
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

 OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
O   O    T      T    H   H   Y Y   MM MM  O   O
O   O    T      T    H   H    Y    M   M  O   O
 OOO     T      T    H   H    Y    M   M   OOO
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***** 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\voin.dat

Output filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\35236c80-b07c-4d96-84f7-935ed0b37f83\scenari
Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\35236c80-b07c-4d96-84f7-935ed0b37f83\scenari

DATE: 01-27-2026 TIME: 02:07:38

USER:

COMMENTS: _____

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**********************************************
** SIMULATION : 8 - Hazel                   **
**********************************************
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|    READ STORM    |    Filename: C:\Users\kong\AppD
|                  |              ata\Local\Temp\
|                  |              4b24bae0-43e7-4523-b2f3-4ca6a98d7aa8\008167ef
| Ptotal=212.00 mm |    Comments: HAZEL
--------------------
```

TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr	TIME hrs	RAIN mm/hr
0.00	6.00	3.00	13.00	6.00	23.00	9.00	53.00
1.00	4.00	4.00	17.00	7.00	13.00	10.00	38.00
2.00	6.00	5.00	13.00	8.00	13.00	11.00	13.00

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| CALIB            |
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| STANDHYD (  0001)|   Area    (ha)=  15.57
|ID= 1 DT= 1.0 min |   Total Imp(%)=  49.00   Dir. Conn.(%)=  49.00
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	IMPERVIOUS	PERVIOUS (i)
Surface Area (ha)=	7.63	7.94
Dep. Storage (mm)=	1.00	5.00
Average Slope (%)=	1.00	2.00
Length (m)=	322.18	40.00
Mannings n =	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	6.00	3.017	13.00	6.017	23.00	9.02	53.00
0.033	6.00	3.033	13.00	6.033	23.00	9.03	53.00
0.050	6.00	3.050	13.00	6.050	23.00	9.05	53.00
0.067	6.00	3.067	13.00	6.067	23.00	9.07	53.00
0.083	6.00	3.083	13.00	6.083	23.00	9.08	53.00
0.100	6.00	3.100	13.00	6.100	23.00	9.10	53.00
0.117	6.00	3.117	13.00	6.117	23.00	9.12	53.00
0.133	6.00	3.133	13.00	6.133	23.00	9.13	53.00
0.150	6.00	3.150	13.00	6.150	23.00	9.15	53.00
0.167	6.00	3.167	13.00	6.167	23.00	9.17	53.00
0.183	6.00	3.183	13.00	6.183	23.00	9.18	53.00
0.200	6.00	3.200	13.00	6.200	23.00	9.20	53.00
0.217	6.00	3.217	13.00	6.217	23.00	9.22	53.00
0.233	6.00	3.233	13.00	6.233	23.00	9.23	53.00
0.250	6.00	3.250	13.00	6.250	23.00	9.25	53.00
0.267	6.00	3.267	13.00	6.267	23.00	9.27	53.00
0.283	6.00	3.283	13.00	6.283	23.00	9.28	53.00
0.300	6.00	3.300	13.00	6.300	23.00	9.30	53.00
0.317	6.00	3.317	13.00	6.317	23.00	9.32	53.00
0.333	6.00	3.333	13.00	6.333	23.00	9.33	53.00
0.350	6.00	3.350	13.00	6.350	23.00	9.35	53.00
0.367	6.00	3.367	13.00	6.367	23.00	9.37	53.00
0.383	6.00	3.383	13.00	6.383	23.00	9.38	53.00
0.400	6.00	3.400	13.00	6.400	23.00	9.40	53.00
0.417	6.00	3.417	13.00	6.417	23.00	9.42	53.00
0.433	6.00	3.433	13.00	6.433	23.00	9.43	53.00
0.450	6.00	3.450	13.00	6.450	23.00	9.45	53.00
0.467	6.00	3.467	13.00	6.467	23.00	9.47	53.00
0.483	6.00	3.483	13.00	6.483	23.00	9.48	53.00
0.500	6.00	3.500	13.00	6.500	23.00	9.50	53.00
0.517	6.00	3.517	13.00	6.517	23.00	9.52	53.00
0.533	6.00	3.533	13.00	6.533	23.00	9.53	53.00
0.550	6.00	3.550	13.00	6.550	23.00	9.55	53.00
0.567	6.00	3.567	13.00	6.567	23.00	9.57	53.00
0.583	6.00	3.583	13.00	6.583	23.00	9.58	53.00
0.600	6.00	3.600	13.00	6.600	23.00	9.60	53.00
0.617	6.00	3.617	13.00	6.617	23.00	9.62	53.00
0.633	6.00	3.633	13.00	6.633	23.00	9.63	53.00
0.650	6.00	3.650	13.00	6.650	23.00	9.65	53.00
0.667	6.00	3.667	13.00	6.667	23.00	9.67	53.00
0.683	6.00	3.683	13.00	6.683	23.00	9.68	53.00
0.700	6.00	3.700	13.00	6.700	23.00	9.70	53.00
0.717	6.00	3.717	13.00	6.717	23.00	9.72	53.00
0.733	6.00	3.733	13.00	6.733	23.00	9.73	53.00
0.750	6.00	3.750	13.00	6.750	23.00	9.75	53.00
0.767	6.00	3.767	13.00	6.767	23.00	9.77	53.00
0.783	6.00	3.783	13.00	6.783	23.00	9.78	53.00
0.800	6.00	3.800	13.00	6.800	23.00	9.80	53.00
0.817	6.00	3.817	13.00	6.817	23.00	9.82	53.00
0.833	6.00	3.833	13.00	6.833	23.00	9.83	53.00
0.850	6.00	3.850	13.00	6.850	23.00	9.85	53.00
0.867	6.00	3.867	13.00	6.867	23.00	9.87	53.00
0.883	6.00	3.883	13.00	6.883	23.00	9.88	53.00
0.900	6.00	3.900	13.00	6.900	23.00	9.90	53.00
0.917	6.00	3.917	13.00	6.917	23.00	9.92	53.00
0.933	6.00	3.933	13.00	6.933	23.00	9.93	53.00
0.950	6.00	3.950	13.00	6.950	23.00	9.95	53.00
0.967	6.00	3.967	13.00	6.967	23.00	9.97	53.00
0.983	6.00	3.983	13.00	6.983	23.00	9.98	53.00
1.000	6.00	4.000	13.00	7.000	22.98	10.00	52.98
1.017	4.00	4.017	17.00	7.017	13.00	10.02	38.00
1.033	4.00	4.033	17.00	7.033	13.00	10.03	38.00
1.050	4.00	4.050	17.00	7.050	13.00	10.05	38.00
1.067	4.00	4.067	17.00	7.067	13.00	10.07	38.00
1.083	4.00	4.083	17.00	7.083	13.00	10.08	38.00
1.100	4.00	4.100	17.00	7.100	13.00	10.10	38.00
1.117	4.00	4.117	17.00	7.117	13.00	10.12	38.00
1.133	4.00	4.133	17.00	7.133	13.00	10.13	38.00
1.150	4.00	4.150	17.00	7.150	13.00	10.15	38.00
1.167	4.00	4.167	17.00	7.167	13.00	10.17	38.00
1.183	4.00	4.183	17.00	7.183	13.00	10.18	38.00
1.200	4.00	4.200	17.00	7.200	13.00	10.20	38.00
1.217	4.00	4.217	17.00	7.217	13.00	10.22	38.00
1.233	4.00	4.233	17.00	7.233	13.00	10.23	38.00
1.250	4.00	4.250	17.00	7.250	13.00	10.25	38.00
1.267	4.00	4.267	17.00	7.267	13.00	10.27	38.00
1.283	4.00	4.283	17.00	7.283	13.00	10.28	38.00
1.300	4.00	4.300	17.00	7.300	13.00	10.30	38.00
1.317	4.00	4.317	17.00	7.317	13.00	10.32	38.00
1.333	4.00	4.333	17.00	7.333	13.00	10.33	38.00
1.350	4.00	4.350	17.00	7.350	13.00	10.35	38.00
1.367	4.00	4.367	17.00	7.367	13.00	10.37	38.00
1.383	4.00	4.383	17.00	7.383	13.00	10.38	38.00
1.400	4.00	4.400	17.00	7.400	13.00	10.40	38.00

1.417	4.00	4.417	17.00	7.417	13.00	10.42	38.00
1.433	4.00	4.433	17.00	7.433	13.00	10.43	38.00
1.450	4.00	4.450	17.00	7.450	13.00	10.45	38.00
1.467	4.00	4.467	17.00	7.467	13.00	10.47	38.00
1.483	4.00	4.483	17.00	7.483	13.00	10.48	38.00
1.500	4.00	4.500	17.00	7.500	13.00	10.50	38.00
1.517	4.00	4.517	17.00	7.517	13.00	10.52	38.00
1.533	4.00	4.533	17.00	7.533	13.00	10.53	38.00
1.550	4.00	4.550	17.00	7.550	13.00	10.55	38.00
1.567	4.00	4.567	17.00	7.567	13.00	10.57	38.00
1.583	4.00	4.583	17.00	7.583	13.00	10.58	38.00
1.600	4.00	4.600	17.00	7.600	13.00	10.60	38.00
1.617	4.00	4.617	17.00	7.617	13.00	10.62	38.00
1.633	4.00	4.633	17.00	7.633	13.00	10.63	38.00
1.650	4.00	4.650	17.00	7.650	13.00	10.65	38.00
1.667	4.00	4.667	17.00	7.667	13.00	10.67	38.00
1.683	4.00	4.683	17.00	7.683	13.00	10.68	38.00
1.700	4.00	4.700	17.00	7.700	13.00	10.70	38.00
1.717	4.00	4.717	17.00	7.717	13.00	10.72	38.00
1.733	4.00	4.733	17.00	7.733	13.00	10.73	38.00
1.750	4.00	4.750	17.00	7.750	13.00	10.75	38.00
1.767	4.00	4.767	17.00	7.767	13.00	10.77	38.00
1.783	4.00	4.783	17.00	7.783	13.00	10.78	38.00
1.800	4.00	4.800	17.00	7.800	13.00	10.80	38.00
1.817	4.00	4.817	17.00	7.817	13.00	10.82	38.00
1.833	4.00	4.833	17.00	7.833	13.00	10.83	38.00
1.850	4.00	4.850	17.00	7.850	13.00	10.85	38.00
1.867	4.00	4.867	17.00	7.867	13.00	10.87	38.00
1.883	4.00	4.883	17.00	7.883	13.00	10.88	38.00
1.900	4.00	4.900	17.00	7.900	13.00	10.90	38.00
1.917	4.00	4.917	17.00	7.917	13.00	10.92	38.00
1.933	4.00	4.933	17.00	7.933	13.00	10.93	38.00
1.950	4.00	4.950	17.00	7.950	13.00	10.95	38.00
1.967	4.00	4.967	17.00	7.967	13.00	10.97	38.00
1.983	4.00	4.983	17.00	7.983	13.00	10.98	38.00
2.000	4.00	5.000	17.00	8.000	13.00	11.00	37.99
2.017	6.00	5.017	13.00	8.017	13.00	11.02	13.00
2.033	6.00	5.033	13.00	8.033	13.00	11.03	13.00
2.050	6.00	5.050	13.00	8.050	13.00	11.05	13.00
2.067	6.00	5.067	13.00	8.067	13.00	11.07	13.00
2.083	6.00	5.083	13.00	8.083	13.00	11.08	13.00
2.100	6.00	5.100	13.00	8.100	13.00	11.10	13.00
2.117	6.00	5.117	13.00	8.117	13.00	11.12	13.00
2.133	6.00	5.133	13.00	8.133	13.00	11.13	13.00
2.150	6.00	5.150	13.00	8.150	13.00	11.15	13.00
2.167	6.00	5.167	13.00	8.167	13.00	11.17	13.00
2.183	6.00	5.183	13.00	8.183	13.00	11.18	13.00
2.200	6.00	5.200	13.00	8.200	13.00	11.20	13.00
2.217	6.00	5.217	13.00	8.217	13.00	11.22	13.00
2.233	6.00	5.233	13.00	8.233	13.00	11.23	13.00
2.250	6.00	5.250	13.00	8.250	13.00	11.25	13.00
2.267	6.00	5.267	13.00	8.267	13.00	11.27	13.00
2.283	6.00	5.283	13.00	8.283	13.00	11.28	13.00
2.300	6.00	5.300	13.00	8.300	13.00	11.30	13.00
2.317	6.00	5.317	13.00	8.317	13.00	11.32	13.00
2.333	6.00	5.333	13.00	8.333	13.00	11.33	13.00
2.350	6.00	5.350	13.00	8.350	13.00	11.35	13.00
2.367	6.00	5.367	13.00	8.367	13.00	11.37	13.00
2.383	6.00	5.383	13.00	8.383	13.00	11.38	13.00
2.400	6.00	5.400	13.00	8.400	13.00	11.40	13.00
2.417	6.00	5.417	13.00	8.417	13.00	11.42	13.00
2.433	6.00	5.433	13.00	8.433	13.00	11.43	13.00
2.450	6.00	5.450	13.00	8.450	13.00	11.45	13.00
2.467	6.00	5.467	13.00	8.467	13.00	11.47	13.00
2.483	6.00	5.483	13.00	8.483	13.00	11.48	13.00
2.500	6.00	5.500	13.00	8.500	13.00	11.50	13.00
2.517	6.00	5.517	13.00	8.517	13.00	11.52	13.00
2.533	6.00	5.533	13.00	8.533	13.00	11.53	13.00
2.550	6.00	5.550	13.00	8.550	13.00	11.55	13.00
2.567	6.00	5.567	13.00	8.567	13.00	11.57	13.00
2.583	6.00	5.583	13.00	8.583	13.00	11.58	13.00
2.600	6.00	5.600	13.00	8.600	13.00	11.60	13.00
2.617	6.00	5.617	13.00	8.617	13.00	11.62	13.00
2.633	6.00	5.633	13.00	8.633	13.00	11.63	13.00
2.650	6.00	5.650	13.00	8.650	13.00	11.65	13.00
2.667	6.00	5.667	13.00	8.667	13.00	11.67	13.00
2.683	6.00	5.683	13.00	8.683	13.00	11.68	13.00
2.700	6.00	5.700	13.00	8.700	13.00	11.70	13.00
2.717	6.00	5.717	13.00	8.717	13.00	11.72	13.00
2.733	6.00	5.733	13.00	8.733	13.00	11.73	13.00
2.750	6.00	5.750	13.00	8.750	13.00	11.75	13.00
2.767	6.00	5.767	13.00	8.767	13.00	11.77	13.00
2.783	6.00	5.783	13.00	8.783	13.00	11.78	13.00
2.800	6.00	5.800	13.00	8.800	13.00	11.80	13.00
2.817	6.00	5.817	13.00	8.817	13.00	11.82	13.00
2.833	6.00	5.833	13.00	8.833	13.00	11.83	13.00
2.850	6.00	5.850	13.00	8.850	13.00	11.85	13.00
2.867	6.00	5.867	13.00	8.867	13.00	11.87	13.00
2.883	6.00	5.883	13.00	8.883	13.00	11.88	13.00
2.900	6.00	5.900	13.00	8.900	13.00	11.90	13.00
2.917	6.00	5.917	13.00	8.917	13.00	11.92	13.00
2.933	6.00	5.933	13.00	8.933	13.00	11.93	13.00
2.950	6.00	5.950	13.00	8.950	13.00	11.95	13.00
2.967	6.00	5.967	13.00	8.967	13.00	11.97	13.00
2.983	6.00	5.983	13.00	8.983	13.00	11.98	13.00
3.000	6.00	6.000	13.01	9.000	13.08	12.00	13.00

Max.Eff.Inten.(mm/hr)=	53.00	50.24	
over (min)	7.00	16.00	
Storage Coeff. (min)=	6.64 (ii)	15.94 (ii)	

Unit Hyd. Tpeak (min)=	7.00	16.00	
Unit Hyd. peak (cms)=	0.17	0.07	
			TOTALS
PEAK FLOW (cms)=	1.12	1.07	2.186 (iii)
TIME TO PEAK (hrs)=	10.00	10.03	10.00
RUNOFF VOLUME (mm)=	210.99	170.14	190.17
TOTAL RAINFALL (mm)=	212.00	212.00	212.00
RUNOFF COEFFICIENT =	1.00	0.80	0.90

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 85.0 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.

CALIB			
STANDHYD (0002)	Area (ha)=	15.57	
ID= 1 DT= 1.0 min	Total Imp(%)=	49.00	Dir. Conn.(%)= 49.00

		IMPERVIOUS	PERVIOUS (i)
Surface Area	(ha)=	7.63	7.94
Dep. Storage	(mm)=	1.00	0.00
Average Slope	(%)=	1.00	2.00
Length	(m)=	322.18	40.00
Mannings n	=	0.013	0.250

NOTE: RAINFALL WAS TRANSFORMED TO 1.0 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
0.017	6.00	3.017	13.00	6.017	23.00	9.02	53.00
0.033	6.00	3.033	13.00	6.033	23.00	9.03	53.00
0.050	6.00	3.050	13.00	6.050	23.00	9.05	53.00
0.067	6.00	3.067	13.00	6.067	23.00	9.07	53.00
0.083	6.00	3.083	13.00	6.083	23.00	9.08	53.00
0.100	6.00	3.100	13.00	6.100	23.00	9.10	53.00
0.117	6.00	3.117	13.00	6.117	23.00	9.12	53.00
0.133	6.00	3.133	13.00	6.133	23.00	9.13	53.00
0.150	6.00	3.150	13.00	6.150	23.00	9.15	53.00
0.167	6.00	3.167	13.00	6.167	23.00	9.17	53.00
0.183	6.00	3.183	13.00	6.183	23.00	9.18	53.00
0.200	6.00	3.200	13.00	6.200	23.00	9.20	53.00
0.217	6.00	3.217	13.00	6.217	23.00	9.22	53.00
0.233	6.00	3.233	13.00	6.233	23.00	9.23	53.00
0.250	6.00	3.250	13.00	6.250	23.00	9.25	53.00
0.267	6.00	3.267	13.00	6.267	23.00	9.27	53.00
0.283	6.00	3.283	13.00	6.283	23.00	9.28	53.00
0.300	6.00	3.300	13.00	6.300	23.00	9.30	53.00
0.317	6.00	3.317	13.00	6.317	23.00	9.32	53.00
0.333	6.00	3.333	13.00	6.333	23.00	9.33	53.00
0.350	6.00	3.350	13.00	6.350	23.00	9.35	53.00
0.367	6.00	3.367	13.00	6.367	23.00	9.37	53.00
0.383	6.00	3.383	13.00	6.383	23.00	9.38	53.00
0.400	6.00	3.400	13.00	6.400	23.00	9.40	53.00
0.417	6.00	3.417	13.00	6.417	23.00	9.42	53.00
0.433	6.00	3.433	13.00	6.433	23.00	9.43	53.00
0.450	6.00	3.450	13.00	6.450	23.00	9.45	53.00
0.467	6.00	3.467	13.00	6.467	23.00	9.47	53.00
0.483	6.00	3.483	13.00	6.483	23.00	9.48	53.00
0.500	6.00	3.500	13.00	6.500	23.00	9.50	53.00
0.517	6.00	3.517	13.00	6.517	23.00	9.52	53.00
0.533	6.00	3.533	13.00	6.533	23.00	9.53	53.00
0.550	6.00	3.550	13.00	6.550	23.00	9.55	53.00
0.567	6.00	3.567	13.00	6.567	23.00	9.57	53.00
0.583	6.00	3.583	13.00	6.583	23.00	9.58	53.00
0.600	6.00	3.600	13.00	6.600	23.00	9.60	53.00
0.617	6.00	3.617	13.00	6.617	23.00	9.62	53.00
0.633	6.00	3.633	13.00	6.633	23.00	9.63	53.00
0.650	6.00	3.650	13.00	6.650	23.00	9.65	53.00
0.667	6.00	3.667	13.00	6.667	23.00	9.67	53.00
0.683	6.00	3.683	13.00	6.683	23.00	9.68	53.00
0.700	6.00	3.700	13.00	6.700	23.00	9.70	53.00
0.717	6.00	3.717	13.00	6.717	23.00	9.72	53.00
0.733	6.00	3.733	13.00	6.733	23.00	9.73	53.00
0.750	6.00	3.750	13.00	6.750	23.00	9.75	53.00
0.767	6.00	3.767	13.00	6.767	23.00	9.77	53.00
0.783	6.00	3.783	13.00	6.783	23.00	9.78	53.00
0.800	6.00	3.800	13.00	6.800	23.00	9.80	53.00
0.817	6.00	3.817	13.00	6.817	23.00	9.82	53.00
0.833	6.00	3.833	13.00	6.833	23.00	9.83	53.00
0.850	6.00	3.850	13.00	6.850	23.00	9.85	53.00
0.867	6.00	3.867	13.00	6.867	23.00	9.87	53.00
0.883	6.00	3.883	13.00	6.883	23.00	9.88	53.00
0.900	6.00	3.900	13.00	6.900	23.00	9.90	53.00
0.917	6.00	3.917	13.00	6.917	23.00	9.92	53.00
0.933	6.00	3.933	13.00	6.933	23.00	9.93	53.00
0.950	6.00	3.950	13.00	6.950	23.00	9.95	53.00
0.967	6.00	3.967	13.00	6.967	23.00	9.97	53.00
0.983	6.00	3.983	13.00	6.983	23.00	9.98	53.00
1.000	6.00	4.000	13.00	7.000	22.98	10.00	52.98
1.017	4.00	4.017	17.00	7.017	13.00	10.02	38.00
1.033	4.00	4.033	17.00	7.033	13.00	10.03	38.00
1.050	4.00	4.050	17.00	7.050	13.00	10.05	38.00
1.067	4.00	4.067	17.00	7.067	13.00	10.07	38.00
1.083	4.00	4.083	17.00	7.083	13.00	10.08	38.00

1.100	4.00	4.100	17.00	7.100	13.00	10.10	38.00
1.117	4.00	4.117	17.00	7.117	13.00	10.12	38.00
1.133	4.00	4.133	17.00	7.133	13.00	10.13	38.00
1.150	4.00	4.150	17.00	7.150	13.00	10.15	38.00
1.167	4.00	4.167	17.00	7.167	13.00	10.17	38.00
1.183	4.00	4.183	17.00	7.183	13.00	10.18	38.00
1.200	4.00	4.200	17.00	7.200	13.00	10.20	38.00
1.217	4.00	4.217	17.00	7.217	13.00	10.22	38.00
1.233	4.00	4.233	17.00	7.233	13.00	10.23	38.00
1.250	4.00	4.250	17.00	7.250	13.00	10.25	38.00
1.267	4.00	4.267	17.00	7.267	13.00	10.27	38.00
1.283	4.00	4.283	17.00	7.283	13.00	10.28	38.00
1.300	4.00	4.300	17.00	7.300	13.00	10.30	38.00
1.317	4.00	4.317	17.00	7.317	13.00	10.32	38.00
1.333	4.00	4.333	17.00	7.333	13.00	10.33	38.00
1.350	4.00	4.350	17.00	7.350	13.00	10.35	38.00
1.367	4.00	4.367	17.00	7.367	13.00	10.37	38.00
1.383	4.00	4.383	17.00	7.383	13.00	10.38	38.00
1.400	4.00	4.400	17.00	7.400	13.00	10.40	38.00
1.417	4.00	4.417	17.00	7.417	13.00	10.42	38.00
1.433	4.00	4.433	17.00	7.433	13.00	10.43	38.00
1.450	4.00	4.450	17.00	7.450	13.00	10.45	38.00
1.467	4.00	4.467	17.00	7.467	13.00	10.47	38.00
1.483	4.00	4.483	17.00	7.483	13.00	10.48	38.00
1.500	4.00	4.500	17.00	7.500	13.00	10.50	38.00
1.517	4.00	4.517	17.00	7.517	13.00	10.52	38.00
1.533	4.00	4.533	17.00	7.533	13.00	10.53	38.00
1.550	4.00	4.550	17.00	7.550	13.00	10.55	38.00
1.567	4.00	4.567	17.00	7.567	13.00	10.57	38.00
1.583	4.00	4.583	17.00	7.583	13.00	10.58	38.00
1.600	4.00	4.600	17.00	7.600	13.00	10.60	38.00
1.617	4.00	4.617	17.00	7.617	13.00	10.62	38.00
1.633	4.00	4.633	17.00	7.633	13.00	10.63	38.00
1.650	4.00	4.650	17.00	7.650	13.00	10.65	38.00
1.667	4.00	4.667	17.00	7.667	13.00	10.67	38.00
1.683	4.00	4.683	17.00	7.683	13.00	10.68	38.00
1.700	4.00	4.700	17.00	7.700	13.00	10.70	38.00
1.717	4.00	4.717	17.00	7.717	13.00	10.72	38.00
1.733	4.00	4.733	17.00	7.733	13.00	10.73	38.00
1.750	4.00	4.750	17.00	7.750	13.00	10.75	38.00
1.767	4.00	4.767	17.00	7.767	13.00	10.77	38.00
1.783	4.00	4.783	17.00	7.783	13.00	10.78	38.00
1.800	4.00	4.800	17.00	7.800	13.00	10.80	38.00
1.817	4.00	4.817	17.00	7.817	13.00	10.82	38.00
1.833	4.00	4.833	17.00	7.833	13.00	10.83	38.00
1.850	4.00	4.850	17.00	7.850	13.00	10.85	38.00
1.867	4.00	4.867	17.00	7.867	13.00	10.87	38.00
1.883	4.00	4.883	17.00	7.883	13.00	10.88	38.00
1.900	4.00	4.900	17.00	7.900	13.00	10.90	38.00
1.917	4.00	4.917	17.00	7.917	13.00	10.92	38.00
1.933	4.00	4.933	17.00	7.933	13.00	10.93	38.00
1.950	4.00	4.950	17.00	7.950	13.00	10.95	38.00
1.967	4.00	4.967	17.00	7.967	13.00	10.97	38.00
1.983	4.00	4.983	17.00	7.983	13.00	10.98	38.00
2.000	4.00	5.000	17.00	8.000	13.00	11.00	37.99
2.017	6.00	5.017	13.00	8.017	13.00	11.02	13.00
2.033	6.00	5.033	13.00	8.033	13.00	11.03	13.00
2.050	6.00	5.050	13.00	8.050	13.00	11.05	13.00
2.067	6.00	5.067	13.00	8.067	13.00	11.07	13.00
2.083	6.00	5.083	13.00	8.083	13.00	11.08	13.00
2.100	6.00	5.100	13.00	8.100	13.00	11.10	13.00
2.117	6.00	5.117	13.00	8.117	13.00	11.12	13.00
2.133	6.00	5.133	13.00	8.133	13.00	11.13	13.00
2.150	6.00	5.150	13.00	8.150	13.00	11.15	13.00
2.167	6.00	5.167	13.00	8.167	13.00	11.17	13.00
2.183	6.00	5.183	13.00	8.183	13.00	11.18	13.00
2.200	6.00	5.200	13.00	8.200	13.00	11.20	13.00
2.217	6.00	5.217	13.00	8.217	13.00	11.22	13.00
2.233	6.00	5.233	13.00	8.233	13.00	11.23	13.00
2.250	6.00	5.250	13.00	8.250	13.00	11.25	13.00
2.267	6.00	5.267	13.00	8.267	13.00	11.27	13.00
2.283	6.00	5.283	13.00	8.283	13.00	11.28	13.00
2.300	6.00	5.300	13.00	8.300	13.00	11.30	13.00
2.317	6.00	5.317	13.00	8.317	13.00	11.32	13.00
2.333	6.00	5.333	13.00	8.333	13.00	11.33	13.00
2.350	6.00	5.350	13.00	8.350	13.00	11.35	13.00
2.367	6.00	5.367	13.00	8.367	13.00	11.37	13.00
2.383	6.00	5.383	13.00	8.383	13.00	11.38	13.00
2.400	6.00	5.400	13.00	8.400	13.00	11.40	13.00
2.417	6.00	5.417	13.00	8.417	13.00	11.42	13.00
2.433	6.00	5.433	13.00	8.433	13.00	11.43	13.00
2.450	6.00	5.450	13.00	8.450	13.00	11.45	13.00
2.467	6.00	5.467	13.00	8.467	13.00	11.47	13.00
2.483	6.00	5.483	13.00	8.483	13.00	11.48	13.00
2.500	6.00	5.500	13.00	8.500	13.00	11.50	13.00
2.517	6.00	5.517	13.00	8.517	13.00	11.52	13.00
2.533	6.00	5.533	13.00	8.533	13.00	11.53	13.00
2.550	6.00	5.550	13.00	8.550	13.00	11.55	13.00
2.567	6.00	5.567	13.00	8.567	13.00	11.57	13.00
2.583	6.00	5.583	13.00	8.583	13.00	11.58	13.00
2.600	6.00	5.600	13.00	8.600	13.00	11.60	13.00
2.617	6.00	5.617	13.00	8.617	13.00	11.62	13.00
2.633	6.00	5.633	13.00	8.633	13.00	11.63	13.00
2.650	6.00	5.650	13.00	8.650	13.00	11.65	13.00
2.667	6.00	5.667	13.00	8.667	13.00	11.67	13.00
2.683	6.00	5.683	13.00	8.683	13.00	11.68	13.00
2.700	6.00	5.700	13.00	8.700	13.00	11.70	13.00
2.717	6.00	5.717	13.00	8.717	13.00	11.72	13.00
2.733	6.00	5.733	13.00	8.733	13.00	11.73	13.00
2.750	6.00	5.750	13.00	8.750	13.00	11.75	13.00
2.767	6.00	5.767	13.00	8.767	13.00	11.77	13.00
2.783	6.00	5.783	13.00	8.783	13.00	11.78	13.00
2.800	6.00	5.800	13.00	8.800	13.00	11.80	13.00
2.817	6.00	5.817	13.00	8.817	13.00	11.82	13.00
2.833	6.00	5.833	13.00	8.833	13.00	11.83	13.00
2.850	6.00	5.850	13.00	8.850	13.00	11.85	13.00
2.867	6.00	5.867	13.00	8.867	13.00	11.87	13.00
2.883	6.00	5.883	13.00	8.883	13.00	11.88	13.00
2.900	6.00	5.900	13.00	8.900	13.00	11.90	13.00
2.917	6.00	5.917	13.00	8.917	13.00	11.92	13.00
2.933	6.00	5.933	13.00	8.933	13.00	11.93	13.00
2.950	6.00	5.950	13.00	8.950	13.00	11.95	13.00
2.967	6.00	5.967	13.00	8.967	13.00	11.97	13.00
2.983	6.00	5.983	13.00	8.983	13.00	11.98	13.00
3.000	6.00	6.000	13.01	9.000	13.08	12.00	13.00

Max.Eff.Inten.(mm/hr)=	53.00	52.53	
over (min)	7.00	16.00	
Storage Coeff. (min)=	6.64 (ii)	15.78 (ii)	
Unit Hyd. Tpeak (min)=	7.00	16.00	
Unit Hyd. peak (cms)=	0.17	0.07	
			TOTALS
PEAK FLOW (cms)=	1.12	1.12	2.245 (iii)
TIME TO PEAK (hrs)=	10.00	10.03	10.00
RUNOFF VOLUME (mm)=	210.99	196.92	203.83
TOTAL RAINFALL (mm)=	212.00	212.00	212.00
RUNOFF COEFFICIENT =	1.00	0.93	0.96

(i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
CN* = 94.0 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.

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================================================================================
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       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

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DATE: 01-27-2026                          TIME: 02:07:38

USER:


COMMENTS: _____________________________________________________


  ************************************************
  ** SIMULATION : 1 - 25MM4HRC_10min Edited 201 **
  ************************************************

  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= 25.00 mm ]
    fname :
C:\Users\kong\AppData\Local\Temp\4b24bae0-43e7-4523-b2f3-4ca6a98d7aa8\cb44d379-39a
8-4907-8998-c426d2
    remark: 25MM4HRC_10min Edited 2012

*
 ** CALIB STANDHYD       0001  1  1.0   15.57    0.79  1.55  14.90 0.60   0.000
    [I%=49.0:S%= 2.00]
*
    READ STORM                10.0
    [ Ptot= 25.00 mm ]
    fname :
C:\Users\kong\AppData\Local\Temp\4b24bae0-43e7-4523-b2f3-4ca6a98d7aa8\cb44d379-39a
8-4907-8998-c426d2
    remark: 25MM4HRC_10min Edited 2012

*
 ** CALIB STANDHYD       0002  1  1.0   15.57    0.93  1.57  19.49 0.78   0.000
    [I%=49.0:S%= 2.00]
*
================================================================================
=========================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\2d409a
30-c830-45b1-9e91-fc6484da53ba\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\2d409a
30-c830-45b1-9e91-fc6484da53ba\scenari


DATE: 01-27-2026                          TIME: 02:07:38

USER:


COMMENTS: _____________________________________________________


  ************************************************
  ** SIMULATION : 2 - 2-Year 24hr Chic - Milton **
  ************************************************

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

      START @  0.00 hrs
      --------------------
    CHIC STORM                10.0
    [ Ptot= 47.70 mm ]
*
 ** CALIB STANDHYD       0001  1  1.0   15.57    1.56  8.05  33.51 0.70   0.000
    [I%=49.0:S%= 2.00]
*
    CHIC STORM                10.0
    [ Ptot= 47.70 mm ]
*
 ** CALIB STANDHYD       0002  1  1.0   15.57    1.84  8.05  41.04 0.86   0.000
    [I%=49.0:S%= 2.00]
*
================================================================================
=========================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\f84224
d5-5430-4893-81af-28446067d191\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\f84224
d5-5430-4893-81af-28446067d191\scenari


DATE: 01-27-2026                          TIME: 02:07:39

USER:


COMMENTS: _____________________________________________________


  ************************************************
  ** SIMULATION : 3 - 5-Year 24hr Chic- Milton  **
  ************************************************

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

      START @  0.00 hrs
      --------------------
    CHIC STORM                10.0
    [ Ptot= 67.05 mm ]
*
 ** CALIB STANDHYD       0001  1  1.0   15.57    2.28  8.03  50.73 0.76   0.000
    [I%=49.0:S%= 2.00]
*
    CHIC STORM                10.0
    [ Ptot= 67.05 mm ]
*
 ** CALIB STANDHYD       0002  1  1.0   15.57    2.63  8.03  59.90 0.89   0.000
    [I%=49.0:S%= 2.00]
*
================================================================================
=========================


       V    V   I    SSSSS  U   U    A    L              (v 6.2.2019)
       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

       OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
      O   O    T      T    H   H   Y Y   MM MM  O   O
      O   O    T      T    H   H    Y    M   M  O   O
       OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\c57b45
0a-05dd-434b-846b-ea0b12d119dd\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\c57b45
0a-05dd-434b-846b-ea0b12d119dd\scenari


DATE: 01-27-2026                          TIME: 02:07:39

USER:


COMMENTS: _____________________________________________________


  ************************************************
  ** SIMULATION : 4 - 10-Year 24hr Chic - Milto **
  ************************************************

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

     START @  0.00 hrs
     --------------------
    CHIC STORM                10.0
    [ Ptot= 80.06 mm ]
*
 ** CALIB STANDHYD       0001  1  1.0   15.57    2.81  8.03  62.70 0.78   0.000
    [I%=49.0:S%= 2.00]
*
    CHIC STORM                10.0
    [ Ptot= 80.06 mm ]
```

```
     START @  0.00 hrs
     --------------------
    CHIC STORM                10.0
    [ Ptot= 97.01 mm ]
*
 ** CALIB STANDHYD       0001  1  1.0   15.57    3.53  8.03  78.59 0.81   0.000
    [I%=49.0:S%= 2.00]
*
    CHIC STORM                10.0
    [ Ptot= 97.01 mm ]
*
 ** CALIB STANDHYD       0002  1  1.0   15.57    4.00  8.03  89.43 0.92   0.000
    [I%=49.0:S%= 2.00]
*
 FINISH

================================================================================
========================

================================================================================
========================


       V    V   I    SSSSS  U   U    A    L             (v 6.2.2019)
       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

       OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
      O   O    T      T    H   H   Y Y   MM MM  O   O
      O   O    T      T    H   H    Y    M   M  O   O
       OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\655108
37-336f-46a4-ace2-ff43b7a2b95e\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\655108
37-336f-46a4-ace2-ff43b7a2b95e\scenari
```

```
*
 ** CALIB STANDHYD       0002  1  1.0   15.57    3.22  8.03  72.69 0.91   0.000
    [I%=49.0:S%= 2.00]
*
================================================================================
========================


       V    V   I    SSSSS  U   U    A    L             (v 6.2.2019)
       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

       OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
      O   O    T      T    H   H   Y Y   MM MM  O   O
      O   O    T      T    H   H    Y    M   M  O   O
       OOO     T      T    H   H    Y    M   M   OOO
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                  *****  S U M M A R Y   O U T P U T  *****


  Input   filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

  Output  filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\acddb8
ba-9d74-4cd2-a420-08c4f24a6bdf\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\acddb8
ba-9d74-4cd2-a420-08c4f24a6bdf\scenari


DATE: 01-27-2026                          TIME: 02:07:39

USER:


COMMENTS: _____________________________________________________


  ************************************************
  ** SIMULATION : 5 - 25-Year 24hr Chic - Milto **
  ************************************************

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

```
DATE: 01-27-2026                          TIME: 02:07:39

USER:


COMMENTS: _____________________________________________________


  ************************************************
  ** SIMULATION : 6 - 50-Year 24hr Chic - Milto **
  ************************************************

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

     START @  0.00 hrs
     --------------------
    CHIC STORM                10.0
    [ Ptot=110.01 mm ]
*
 ** CALIB STANDHYD       0001  1  1.0   15.57    4.03  8.03  90.95 0.83   0.000
    [I%=49.0:S%= 2.00]
*
    CHIC STORM                10.0
    [ Ptot=110.01 mm ]
*
 ** CALIB STANDHYD       0002  1  1.0   15.57    4.51  8.03 102.31 0.93   0.000
    [I%=49.0:S%= 2.00]
*
================================================================================
========================


       V    V   I    SSSSS  U   U    A    L             (v 6.2.2019)
       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

       OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
      O   O    T      T    H   H   Y Y   MM MM  O   O
      O   O    T      T    H   H    Y    M   M  O   O
       OOO     T      T    H   H    Y    M   M   OOO
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```

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

  Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

  Output filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\a1f093
3c-393c-4377-b24b-b718dd77ff7f\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\a1f093
3c-393c-4377-b24b-b718dd77ff7f\scenari

DATE: 01-27-2026   TIME: 02:07:39

USER:

COMMENTS: _____

  ****
  ** SIMULATION : 7 - 100-year 24hr Chic - Milt **
  ****

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

      START @ 0.00 hrs

    CHIC STORM   10.0
    [Ptot=122.41 mm]
*
 ** CALIB STANDHYD   0001 1 1.0   15.57   4.64 8.03 102.82 0.84   0.000
    [I%=49.0:S%= 2.00]
*
    CHIC STORM   10.0
    [Ptot=122.41 mm]
*
 ** CALIB STANDHYD   0002 1 1.0   15.57   5.15 8.03 114.61 0.94   0.000
    [I%=49.0:S%= 2.00]
*
==
========================

       V   V   I   SSSSS U   U   A   L   (v 6.2.2019)
       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

    [I%=49.0:S%= 2.00]
*
    READ STORM   60.0
    [Ptot=212.00 mm]
    fname :
C:\Users\kong\AppData\Local\Temp\4b24bae0-43e7-4523-b2f3-4ca6a98d7aa8\008167ef-3d9
7-4248-b2f7-35530a
    remark: HAZEL

*
 ** CALIB STANDHYD   0002 1 1.0   15.57   2.24 10.00 203.83 0.96   0.000
    [I%=49.0:S%= 2.00]
*

 VV   I   SSSSS UUUUU A   A LLLLL

  OOO   TTTTT TTTTT H   H Y   Y M   M   OOO   TM
 O   O   T   T   H   H   Y Y   MM MM O   O
 O   O   T   T   H   H   Y   M   M O   O
  OOO   T   T   H   H   Y   M   M   OOO
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***** S U M M A R Y O U T P U T *****

  Input filename: C:\Program Files (x86)\Visual OTTHYMO 6.2\VO2\voin.dat

  Output filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\35236c
80-b07c-4d96-84f7-935ed0b37f83\scenari
  Summary filename:
C:\Users\kong\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\35236c
80-b07c-4d96-84f7-935ed0b37f83\scenari

DATE: 01-27-2026   TIME: 02:07:38

USER:

COMMENTS: _____

  ****
  ** SIMULATION : 8 - Hazel   **
  ****

  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   60.0
    [Ptot=212.00 mm]
    fname :
C:\Users\kong\AppData\Local\Temp\4b24bae0-43e7-4523-b2f3-4ca6a98d7aa8\008167ef-3d9
7-4248-b2f7-35530a
    remark: HAZEL

*
 ** CALIB STANDHYD   0001 1 1.0   15.57   2.19 10.00 190.17 0.90   0.000

```
================================================================================
========================

       V    V   I    SSSSS  U   U    A    L             (v 6.2.2019)
       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

        OOO   TTTTT  TTTTT  H   H  Y   Y  M   M   OOO    TM
       O   O    T      T    H   H   Y Y   MM MM  O   O
       O   O    T      T    H   H    Y    M   M  O   O
        OOO     T      T    H   H    Y    M   M   OOO
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                  *****  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\voin.dat

  Output  filename:
C:\Users\jannaormond\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\
5d5c1358-fe67-469d-bd30-25a5eb5cbd2a\
  Summary filename:
C:\Users\jannaormond\AppData\Local\Civica\VH5\3343a733-fb9e-41c8-9272-7af20af75cda\
5d5c1358-fe67-469d-bd30-25a5eb5cbd2a\


DATE: 03-10-2025                          TIME: 09:56:01

USER:



COMMENTS: _____________________________________________________________


--------------------------------------------------------------------------------
-------------------------
  ************************************************
  ** SIMULATION : Hazel                         **
  ************************************************


--------------------
|    READ STORM    |    Filename: C:\Users\jannaormond\AppD
|                  |              ata\Local\Temp\
```

```
|                  |              5e1d8e1f-07e7-4e4f-b2ba-d02c474b8865\008167ef
| Ptotal=212.00 mm |    Comments: HAZEL
--------------------
                TIME    RAIN |  TIME    RAIN |'  TIME    RAIN |  TIME    RAIN
                 hrs   mm/hr |   hrs   mm/hr |'   hrs   mm/hr |   hrs   mm/hr
               0.00    6.00 |  3.00   13.00 |  6.00   23.00 |  9.00   53.00
               1.00    4.00 |  4.00   17.00 |  7.00   13.00 | 10.00   38.00
               2.00    6.00 |  5.00   13.00 |  8.00   13.00 | 11.00   13.00

--------------------------------------------------------------------------------


--------------------
| CALIB            |
| STANDHYD (  0001)|   Area    (ha)=  14.86
|ID= 1 DT= 5.0 min |   Total Imp(%)=  50.00   Dir. Conn.(%)=  50.00
--------------------
                                IMPERVIOUS    PERVIOUS (i)
     Surface Area     (ha)=        7.43          7.43
     Dep. Storage     (mm)=        1.00          0.00
     Average Slope     (%)=        1.00          2.00
     Length            (m)=      314.75         40.00
     Mannings n             =     0.013         0.250

         NOTE:  RAINFALL WAS TRANSFORMED TO   5.0 MIN. TIME STEP.


                          ---- TRANSFORMED HYETOGRAPH ----
                TIME    RAIN |  TIME    RAIN |'  TIME    RAIN |  TIME    RAIN
                 hrs   mm/hr |   hrs   mm/hr |'   hrs   mm/hr |   hrs   mm/hr
               0.083    6.00 | 3.083   13.00 | 6.083   23.00 |  9.08   53.00
               0.167    6.00 | 3.167   13.00 | 6.167   23.00 |  9.17   53.00
               0.250    6.00 | 3.250   13.00 | 6.250   23.00 |  9.25   53.00
               0.333    6.00 | 3.333   13.00 | 6.333   23.00 |  9.33   53.00
               0.417    6.00 | 3.417   13.00 | 6.417   23.00 |  9.42   53.00
               0.500    6.00 | 3.500   13.00 | 6.500   23.00 |  9.50   53.00
               0.583    6.00 | 3.583   13.00 | 6.583   23.00 |  9.58   53.00
               0.667    6.00 | 3.667   13.00 | 6.667   23.00 |  9.67   53.00
               0.750    6.00 | 3.750   13.00 | 6.750   23.00 |  9.75   53.00
               0.833    6.00 | 3.833   13.00 | 6.833   23.00 |  9.83   53.00
               0.917    6.00 | 3.917   13.00 | 6.917   23.00 |  9.92   53.00
               1.000    6.00 | 4.000   13.00 | 7.000   23.00 | 10.00   53.00
               1.083    4.00 | 4.083   17.00 | 7.083   13.00 | 10.08   38.00
               1.167    4.00 | 4.167   17.00 | 7.167   13.00 | 10.17   38.00
               1.250    4.00 | 4.250   17.00 | 7.250   13.00 | 10.25   38.00
               1.333    4.00 | 4.333   17.00 | 7.333   13.00 | 10.33   38.00
               1.417    4.00 | 4.417   17.00 | 7.417   13.00 | 10.42   38.00
               1.500    4.00 | 4.500   17.00 | 7.500   13.00 | 10.50   38.00
               1.583    4.00 | 4.583   17.00 | 7.583   13.00 | 10.58   38.00
               1.667    4.00 | 4.667   17.00 | 7.667   13.00 | 10.67   38.00
               1.750    4.00 | 4.750   17.00 | 7.750   13.00 | 10.75   38.00
```

```
               1.833    4.00 | 4.833   17.00 | 7.833   13.00 | 10.83   38.00
               1.917    4.00 | 4.917   17.00 | 7.917   13.00 | 10.92   38.00
               2.000    4.00 | 5.000   17.00 | 8.000   13.00 | 11.00   38.00
               2.083    6.00 | 5.083   13.00 | 8.083   13.00 | 11.08   13.00
               2.167    6.00 | 5.167   13.00 | 8.167   13.00 | 11.17   13.00
               2.250    6.00 | 5.250   13.00 | 8.250   13.00 | 11.25   13.00
               2.333    6.00 | 5.333   13.00 | 8.333   13.00 | 11.33   13.00
               2.417    6.00 | 5.417   13.00 | 8.417   13.00 | 11.42   13.00
               2.500    6.00 | 5.500   13.00 | 8.500   13.00 | 11.50   13.00
               2.583    6.00 | 5.583   13.00 | 8.583   13.00 | 11.58   13.00
               2.667    6.00 | 5.667   13.00 | 8.667   13.00 | 11.67   13.00
               2.750    6.00 | 5.750   13.00 | 8.750   13.00 | 11.75   13.00
               2.833    6.00 | 5.833   13.00 | 8.833   13.00 | 11.83   13.00
               2.917    6.00 | 5.917   13.00 | 8.917   13.00 | 11.92   13.00
               3.000    6.00 | 6.000   13.00 | 9.000   13.00 | 12.00   13.00

     Max.Eff.Inten.(mm/hr)=      53.00        52.53
               over (min)        5.00        20.00
     Storage Coeff.  (min)=      6.55 (ii)   15.68 (ii)
     Unit Hyd. Tpeak (min)=      5.00        20.00
     Unit Hyd. peak  (cms)=      0.18         0.07
                                                    *TOTALS*
     PEAK FLOW       (cms)=      1.09         1.05          2.143 (iii)
     TIME TO PEAK    (hrs)=     10.00        10.00          10.00
     RUNOFF VOLUME    (mm)=    211.00       196.94         203.97
     TOTAL RAINFALL   (mm)=    212.00       212.00         212.00
     RUNOFF COEFFICIENT   =      1.00         0.93           0.96


       (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
           CN*  =  94.0    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.

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--------------------
| CALIB            |
| STANDHYD (  0002)|   Area    (ha)=  18.14
|ID= 1 DT= 5.0 min |   Total Imp(%)=  88.00   Dir. Conn.(%)=  88.00
--------------------
                                IMPERVIOUS    PERVIOUS (i)
     Surface Area     (ha)=       15.96         2.18
     Dep. Storage     (mm)=        1.00         0.00
     Average Slope     (%)=        1.00         2.00
     Length            (m)=      347.75        40.00
     Mannings n             =     0.013        0.250

         NOTE:  RAINFALL WAS TRANSFORMED TO   5.0 MIN. TIME STEP.
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                          ---- TRANSFORMED HYETOGRAPH ----
                TIME    RAIN |  TIME    RAIN |'  TIME    RAIN |  TIME    RAIN
                 hrs   mm/hr |   hrs   mm/hr |'   hrs   mm/hr |   hrs   mm/hr
               0.083    6.00 | 3.083   13.00 | 6.083   23.00 |  9.08   53.00
               0.167    6.00 | 3.167   13.00 | 6.167   23.00 |  9.17   53.00
               0.250    6.00 | 3.250   13.00 | 6.250   23.00 |  9.25   53.00
               0.333    6.00 | 3.333   13.00 | 6.333   23.00 |  9.33   53.00
               0.417    6.00 | 3.417   13.00 | 6.417   23.00 |  9.42   53.00
               0.500    6.00 | 3.500   13.00 | 6.500   23.00 |  9.50   53.00
               0.583    6.00 | 3.583   13.00 | 6.583   23.00 |  9.58   53.00
               0.667    6.00 | 3.667   13.00 | 6.667   23.00 |  9.67   53.00
               0.750    6.00 | 3.750   13.00 | 6.750   23.00 |  9.75   53.00
               0.833    6.00 | 3.833   13.00 | 6.833   23.00 |  9.83   53.00
               0.917    6.00 | 3.917   13.00 | 6.917   23.00 |  9.92   53.00
               1.000    6.00 | 4.000   13.00 | 7.000   23.00 | 10.00   53.00
               1.083    4.00 | 4.083   17.00 | 7.083   13.00 | 10.08   38.00
               1.167    4.00 | 4.167   17.00 | 7.167   13.00 | 10.17   38.00
               1.250    4.00 | 4.250   17.00 | 7.250   13.00 | 10.25   38.00
               1.333    4.00 | 4.333   17.00 | 7.333   13.00 | 10.33   38.00
               1.417    4.00 | 4.417   17.00 | 7.417   13.00 | 10.42   38.00
               1.500    4.00 | 4.500   17.00 | 7.500   13.00 | 10.50   38.00
               1.583    4.00 | 4.583   17.00 | 7.583   13.00 | 10.58   38.00
               1.667    4.00 | 4.667   17.00 | 7.667   13.00 | 10.67   38.00
               1.750    4.00 | 4.750   17.00 | 7.750   13.00 | 10.75   38.00
               1.833    4.00 | 4.833   17.00 | 7.833   13.00 | 10.83   38.00
               1.917    4.00 | 4.917   17.00 | 7.917   13.00 | 10.92   38.00
               2.000    4.00 | 5.000   17.00 | 8.000   13.00 | 11.00   38.00
               2.083    6.00 | 5.083   13.00 | 8.083   13.00 | 11.08   13.00
               2.167    6.00 | 5.167   13.00 | 8.167   13.00 | 11.17   13.00
               2.250    6.00 | 5.250   13.00 | 8.250   13.00 | 11.25   13.00
               2.333    6.00 | 5.333   13.00 | 8.333   13.00 | 11.33   13.00
               2.417    6.00 | 5.417   13.00 | 8.417   13.00 | 11.42   13.00
               2.500    6.00 | 5.500   13.00 | 8.500   13.00 | 11.50   13.00
               2.583    6.00 | 5.583   13.00 | 8.583   13.00 | 11.58   13.00
               2.667    6.00 | 5.667   13.00 | 8.667   13.00 | 11.67   13.00
               2.750    6.00 | 5.750   13.00 | 8.750   13.00 | 11.75   13.00
               2.833    6.00 | 5.833   13.00 | 8.833   13.00 | 11.83   13.00
               2.917    6.00 | 5.917   13.00 | 8.917   13.00 | 11.92   13.00
               3.000    6.00 | 6.000   13.00 | 9.000   13.00 | 12.00   13.00

     Max.Eff.Inten.(mm/hr)=      53.00        52.53
               over (min)        5.00        15.00
     Storage Coeff.  (min)=      6.96 (ii)   11.06 (ii)
     Unit Hyd. Tpeak (min)=      5.00        15.00
     Unit Hyd. peak  (cms)=      0.17         0.09
                                                    *TOTALS*
     PEAK FLOW       (cms)=      2.35         0.32          2.665 (iii)
     TIME TO PEAK    (hrs)=     10.00        10.00          10.00
     RUNOFF VOLUME    (mm)=    211.00       196.94         209.31
```

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     TOTAL RAINFALL   (mm)=     212.00       212.00         212.00
     RUNOFF COEFFICIENT   =       1.00         0.93           0.99


       (i) CN PROCEDURE SELECTED FOR PERVIOUS LOSSES:
            CN*  =  94.0    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.

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-------------------
| RESERVOIR(  0003)|     OVERFLOW IS OFF
| IN= 2---> OUT= 1 |
| DT=  5.0 min     |     OUTFLOW    STORAGE   |  OUTFLOW    STORAGE
-------------------      (cms)     (ha.m.)   |   (cms)     (ha.m.)
                          0.0000      0.0000   |    2.1430      0.4105
                          1.5001      0.2100   |    0.0000      0.0000

                               AREA     QPEAK     TPEAK       R.V.
                               (ha)     (cms)     (hrs)       (mm)
   INFLOW : ID= 2 (  0002)     18.140      2.665     10.00     209.31
   OUTFLOW: ID= 1 (  0003)     18.140      2.143     10.17     209.31

                  PEAK   FLOW   REDUCTION [Qout/Qin](%)= 80.39
                  TIME SHIFT OF PEAK FLOW         (min)= 10.00
                  MAXIMUM  STORAGE   USED       (ha.m.)=  0.4105

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 FINISH
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URBANTECH

SWM POND DESIGN CALCULATION - POND
TARGET SUMMARY

Project Name: 150 Steeles Avenue East
Municipality: Town of Milton
Project No.: 21-678
Date: 27-Jan-26

Prepared by: J.P.O

POND

Area	18.09
Imperviosuness	91%

Wet Pond *(Per MOE Stormwater Management Planning and Design Manual 2003, Table 3.2)*

Impervious Level	Water Quality Storage Vol	Extended Detention	Permanent Pool
(%)	m^3/ha	m^3/ha	m^3/ha
35%	140	40	100
55%	190	40	150
70%	225	40	185
85%	250	40	210
Interpolated Storage Requirement			
91.4%	261	40	**221**

	Area [ha]	IMP%
Total Contributing Area	18.09	91%
Quantity Control Only	18.09	91%
Quality Control Only	18.09	91%

APPENDIX C
Wastewater Servicing Calculations

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SANITARY SEWER DESIGN SHEET

150 STEELES AVE (MERITOR)

Town of Milton, Halton Region

PROJECT DETAILS

Project No: 21-678
Date: MAR 2025
Designed by: MH
Checked by: SR

DESIGN CRITERIA

Min Diameter =	200	mm	Avg. Domestic Flow =	215.0	l/c/d
Mannings 'n'=	0.013		Infiltration =	0.280	l/s/ha
Min. Velocity =	0.6	m/s	Max. Peaking Factor =	4.50	
Max. Velocity =	3.0	m/s	Min. Peaking Factor=	2.00	
Factor of Safety =	30	%			

NOMINAL PIPE SIZE USED

STREET	FROM MH	TO MH	RESIDENTIAL							COMMERCIAL/INDUSTRIAL/INSTITUTIONAL						FLOW CALCULATIONS								PIPE DATA					
			AREA (ha)	ACC. AREA (ha)	UNITS (#)	DENSITY (P/ha)	DENSITY (P/unit)	POP	ACCUM. RES. POP.	AREA (ha)	ACC. AREA (ha)	EQUIV. POP. (p/ha)	FLOW RATE (l/s/ha)	EQUIV. POP.	ACCUM. EQUIV. POP.	INFILTRATION (l/s)	TOTAL ACCUM. POP.	PEAKING FACTOR	RES. FLOW (l/s)	COMM. FLOW (l/s)	ACCUM. COMM. FLOW (l/s)	TOTAL FLOW (l/s)	LENGTH (m)	SLOPE (%)	PIPE DIAMETER (mm)	FULL FLOW CAPACITY (l/s)	FULL FLOW VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	PERCENT FULL (%)
BLOCK 18	CTRL MH1A	MH2A	0.49	0.49	411		1.9	781	781							0.1	781	3.87	7.5			7.7		1.00	200	32.8	1.0	0.82	23%
STREET A	MH2A	MH3A	0.54	1.03					781							0.3	781	3.87	7.5			7.8		0.50	200	23.2	0.7	0.64	34%
BLOCK 19	CTRL MH4A	MH3A	0.24	0.24	80		1.9	152	152							0.1	152	4.19	1.6			1.7		1.00	200	32.8	1.0	0.54	5%
STREET A	MH3A	MH5A		1.27					933							0.4	933	3.82	8.9			9.2		0.50	200	23.2	0.7	0.69	40%
STREET A	MH5A	MH6A		1.27					933							0.4	933	3.82	8.9			9.2		0.50	200	23.2	0.7	0.69	40%
BLOCK 20	CTRL MH7A	MH6A	0.96	0.96	295		1.9	561	561							0.3	561	3.95	5.5			5.8		1.00	200	32.8	1.0	0.78	18%
BLOCK 16	CTRL MH8A	MH6A	0.74	0.74	424		1.9	806	806							0.2	806	3.86	7.7			7.9		1.00	200	32.8	1.0	0.85	24%
STREET A	MH6A	MH9A	0.65	3.62					2300							1.0	2300	3.54	20.2			21.3		0.50	250	42.0	0.9	0.85	51%
BLOCK 21	CTRL MH10A	MH9A	1.40	1.40	949		1.9	1804	1804							0.4	1804	3.62	16.3			16.6		1.00	200	32.8	1.0	1.03	51%
BLOCK 13	CTRL MH11A	MH9A	0.45	0.45	388		1.9	738	738							0.1	738	3.88	7.1			7.3		1.00	200	32.8	1.0	0.82	22%
STREET A	MH9A	MH12A		5.47					4842							1.5	4842	3.26	39.3			40.8		0.50	300	68.4	1.0	1.00	60%
STREET A	MH12A	MH13A		5.47					4842							1.5	4842	3.26	39.3			40.8		0.50	300	68.4	1.0	1.00	60%
BLOCK 14	CTRL MH14A	MH15A	0.56	0.56	329		1.9	626	626							0.2	626	3.92	6.1			6.3		1.00	200	32.8	1.0	0.79	19%
STREET B	MH15A	MH16A	0.69	1.25					626							0.4	626	3.92	6.1			6.5		0.50	200	23.2	0.7	0.63	28%
BLOCK 17	CTRL MH17A	MH16A	0.28	0.28	209		1.9	398	398							0.1	398	4.02	4.0			4.1		1.00	200	32.8	1.0	0.70	12%
EX COMMERCIAL (HONDA)	CTRL MH18A	MH16A	2.61	2.61	1200		1.9	2280	2280							0.7	2280	3.54	20.1			20.8		1.00	250	59.5	1.2	1.09	35%
STREET B	MH16A	MH19A		4.14					3304							1.2	3304	3.41	28.0			29.2		0.50	300	68.4	1.0	0.90	43%
STREET B	MH19A	MH20A		4.14					3304							1.2	3304	3.41	28.0			29.2		0.50	300	68.4	1.0	0.90	43%
STREET A	MH20A	MH13A	0.09	4.23					3304							1.2	3304	3.41	28.0			29.2		0.50	300	68.4	1.0	0.90	43%
STREET A	MH13A	MH21A		9.70					8146							2.7	8146	3.04	61.7			64.4		0.50	375	124.0	1.1	1.11	52%
STREET A	MH21A	MH22A	0.51	10.21					8146							2.9	8146	3.04	61.7			64.5		0.50	375	124.0	1.1	1.11	52%
BLOCK 2	CTRL MH23A	MH24A	0.74	0.74		260		193	193							0.2	193	4.15	2.0			2.2		1.00	200	32.8	1.0	0.60	7%
STREET A	MH24A	MH22A		0.74					193							0.2	193	4.15	2.0			2.2		0.50	200	23.2	0.7	0.46	9%
BLOCK 1	CTRL MH25A	MH22A	0.49	0.49	197		1.9	375	375							0.1	375	4.04	3.8			3.9		1.00	200	32.8	1.0	0.70	12%
STREET E	MH22A	MH26A		11.44					8714							3.2	8714	3.01	65.4			68.6		0.50	375	124.0	1.1	1.13	55%

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SANITARY SEWER DESIGN SHEET

150 STEELES AVE (MERITOR)

Town of Milton, Halton Region

PROJECT DETAILS

Project No: 21-678
Date: MAR 2025
Designed by: MH
Checked by: SR

DESIGN CRITERIA

Min Diameter =	200	mm	Avg. Domestic Flow =	215.0	l/c/d
Mannings 'n'=	0.013		Infiltration =	0.280	l/s/ha
Min. Velocity =	0.6	m/s	Max. Peaking Factor =	4.50	
Max. Velocity =	3.0	m/s	Min. Peaking Factor=	2.00	
Factor of Safety =	30	%			

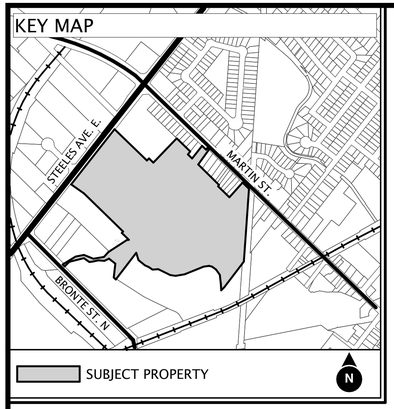
NOMINAL PIPE SIZE USED

STREET	FROM MH	TO MH	RESIDENTIAL							COMMERCIAL/INDUSTRIAL/INSTITUTIONAL						FLOW CALCULATIONS								PIPE DATA					
			AREA (ha)	ACC. AREA (ha)	UNITS (#)	DENSITY (P/ha)	DENSITY (P/unit)	POP	ACCUM. RES. POP.	AREA (ha)	ACC. AREA (ha)	EQUIV. POP. (p/ha)	FLOW RATE (l/s/ha)	EQUIV. POP.	ACCUM. EQUIV. POP.	INFILTRATION (l/s)	TOTAL ACCUM. POP.	PEAKING FACTOR	RES. FLOW (l/s)	COMM. FLOW (l/s)	ACCUM. COMM. FLOW (l/s)	TOTAL FLOW (l/s)	LENGTH (m)	SLOPE (%)	PIPE DIAMETER (mm)	FULL FLOW CAPACITY (l/s)	FULL FLOW VELOCITY (m/s)	ACTUAL VELOCITY (m/s)	PERCENT FULL (%)
BLOCK 3	CTRL MH27A	MH26A	0.47	0.47	186		1.9	354	354							0.1	354	4.05	3.6			3.7		1.00	200	32.8	1.0	0.69	11%
STREET E	MH26A	MH28A	0.27	12.18					9068							3.4	9068	3.00	67.6			71.0		0.50	375	124.0	1.1	1.13	57%
BLOCK 5	CTRL MH29A	MH28A	0.58	0.58	338		1.9	643	643							0.2	643	3.92	6.3			6.4		1.00	200	32.8	1.0	0.80	20%
STREET E	MH28A	MH31A		12.76					9711							3.6	9711	2.97	71.7			75.3		0.50	375	124.0	1.1	1.16	61%
BLOCK 4	CTRL MH30A	MH31A	1.65	1.65		260		429	429							0.5	429	4.01	4.3			4.7		1.00	200	32.8	1.0	0.73	14%
STREET E	MH31A	MH32A		14.41					10140							4.0	10140	2.95	74.4			78.4		0.50	375	124.0	1.1	1.16	63%
BLOCK 22	CTRL MH33A	MH34A	1.04	1.04		40		42	42							0.3	42	4.33	0.5			0.7		1.00	200	32.8	1.0	0.41	2%
STREET D	MH34A	MH32A	0.87	1.91					42							0.5	42	4.33	0.5			1.0		0.50	200	23.2	0.7	0.36	4%
BLOCK 06	CTRL MH35A	MH32A	0.53	0.53	234		1.9	445	445							0.1	445	4.00	4.4			4.6		1.00	200	32.8	1.0	0.73	14%
STREET D	MH32A	MH36A		16.85					10627							4.7	10627	2.93	77.4			82.2		0.50	375	124.0	1.1	1.18	66%
STREET D	MH36A	MH37A		16.85					10627							4.7	10627	2.93	77.4			82.2		0.50	375	124.0	1.1	1.18	66%
STREET D	MH37A	MH38A		16.85					10627							4.7	10627	2.93	77.4			82.2		0.50	375	124.0	1.1	1.18	66%
BLOCK 8 (FUT. RESIDENTIAL)	CTRL MH39A	MH38A	0.13	0.13		260		34	34							0.0	34	4.35	0.4			0.4		1.00	200	32.8	1.0	0.27	1%
STREET D	MH38A	MH40A		16.98					10661							4.8	10661	2.93	77.7			82.4		0.50	450	201.6	1.3	1.18	41%
MARTIN STREET	MH40A	MH41A		16.98					10661							4.8	10661	2.93	77.7			82.4		0.50	450	201.6	1.3	1.18	41%
MARTIN STREET	MH41A	MH42A		16.98					10661							4.8	10661	2.93	77.7			82.4		0.50	450	201.6	1.3	1.18	41%
WOODWARD AVENUE	MH42A	MH43A		16.98					10661							4.8	10661	2.93	77.7			82.4		0.50	450	201.6	1.3	1.18	41%
WOODWARD AVENUE	MH43A	MH44A		16.98					10661							4.8	10661	2.93	77.7			82.4		3.50	450	533.4	3.4	2.41	15%
WOODWARD AVENUE	MH44A	MH45A		16.98					10661							4.8	10661	2.93	77.7			82.4		1.50	450	349.2	2.2	1.78	24%
WOODWARD AVENUE	MH45A	EX MH		16.98					10661							4.8	10661	2.93	77.7			82.4		1.00	450	285.1	1.8	1.52	29%

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APPENDIX D
Figures and Drawings

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DRAFT PLAN OF SUBDIVISION
24T-25003/M

150 Steeles Avenue East

PART OF LOT 15
CONCESSION 2, AND PART OF LOT 7

GEOGRAPHIC TOWNSHIP OF TRAFALGAR
NOW IN THE
TOWN OF MILTON, REGIONAL MUNICIPALITY OF HALTON

OWNER'S AUTHORIZATION

I HEREBY AUTHORIZE URBAN STRATEGIES INC. TO PREPARE AND SUBMIT THIS DRAFT PLAN OF SUBDIVISION TO THE TOWN OF OAKVILLE FOR APPROVAL.

SIGNED_____ DATE_____
Mike Vernooy, A.S.O.

MIKE VERNOOY
150 STEELES MILTON INC.
775 MAIN ST. E.
MILTON, ON L9T 3Z3
TEL. (905) 876-7129

SURVEYOR'S CERTIFICATE

AS SHOWN ON THIS PLAN AND THEIR RELATIONSHIP TO ADJACENT LANDS ARE CORRECTLY AND ACCURATELY SHOWN.

SIGNED DATE

Christopher Wahba, OLS, OLIP
C. Wahba Surveying Ltd.
285 Vaughan Valley Boulevard, Vaughan,
Ontario L4H 3B5, Canada
Tel. (905) 851-1300

ADDITIONAL INFORMATION

Under Section 51(17) of the Planning Act, information required by clauses

A) Shown on the Draft Plan & Key Plan
B) Shown on the Draft Plan & Key Plan
C) Shown on the Draft Plan & Key Plan
D) Shown on the Draft Plan & Key Plan
E) Shown on the Draft Plan & Key Plan
F) Shown on the Draft Plan & Key Plan
G) Shown on the Draft Plan & Key Plan
J) Shown on the Draft Plan & Key Plan
H) Municipal and piped water to be provided
I) Clayey silt to silty clay till
K) Sanitary and storm sewers to be provided

LAND USE SCHEDULE

Land Use	Blocks	Block Total	Units	Area (ha)
Phase 1				
Natural Heritage System Block	BLOCK 11	1	0	4.6676
Natural Heritage System Buffer Block	BLOCK 10	1	0	0.6826
Park	BLOCK 22	1	0	1.0405
Reserve Block	BLOCK 09	1	0	0.0895
Residential	BLOCK 01, BLOCK 02, BLOCK 03, BLOCK 04, BLOCK 05, BLOCK 06	6	1065	4.4503
Right-of-Ways	STREET 'A', STREET 'B', STREET 'D', STREET 'E'	4	0	3.2591
Stormwater Management Block	BLOCK 07	1	0	0.8326
Stormwater Management Buffer Block	BLOCK 23, BLOCK 24	2	0	0.0701
Sub Total		**17**	**1065**	**15.0923**
Phase 2				
Future Park	BLOCK 12, BLOCK 18	2	0	0.2484
Future Residential	BLOCK 08, BLOCK 13, BLOCK 14, BLOCK 15, BLOCK 16, BLOCK 17, BLOCK 19, BLOCK 20, BLOCK 21	9	0	5.2441
Right-of-Ways	FUTURE STREET 'C'	1	0	0.2200
Sub Total		**12**	**0**	**5.7125**
Grand Total		29	1065	20.8048

LEGEND

Phase 1 Boundary

Phase 2 Boundary

neatt COMMUNITIES

URBAN STRATEGIES INC.

SCALE: 1:1250 @ ARCH D April 27, 2026

DRAWN BY : M.S. CHECKED BY :

N



NOTES:

- FOR STORM DRAINAGE DETAILS AND MAJOR SYSTEM CAPTURE LOCATIONS, REFER TO DWG STM-2.
- FOR POND DETAILS, REFER TO DWG STM-3.
- BLOCK GRADING SHOWN TO PROVIDE CONCEPT OF OVERLAND FLOW ROUTES ONLY. DETAILED BLOCK GRADING TO BE EVALUATED AT FUTURE DESIGN STAGE IN CONFORMANCE WITH TOWN OF MILTON STANDARDS.
- LIMIT OF DEVELOPMENT / EXISTING NHS LIMITS WERE ESTABLISHED THROUGH THE APPROVED CEMS. GRADES ALONG THE DEVELOPMENT LIMIT WILL BE MATCHED WITH THE PROPOSED GRADING CONCEPT.
- GRADING AGAINST THE EXISTING PROPERTIES WILL BE MATCHED ALONG THE ENTIRE PERIMETER WITH EITHER TRANSITION GRADING (3:1) OR RETAINING WALLS. DRAINAGE WILL BE SELF-CONTAINED.
- REGIONAL FLOODLINE DERIVED FROM CH MODEL. APPROVED FLOODMAPPING INDICATES A SPILL IN VICINITY OF THE PROPOSED OUTFALL LOCATION AT EL. 201.60

BENCHMARK

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ORP A	NORTH 4 818 861.60	EAST 589 747.57
ORP B	NORTH 4 818 687.05	EAST 589 097.13

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DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999671.

LEGEND

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- EXTERNAL LANDS
- NHS LANDS
- OPEN SPACE/PARK
- NORMALIZED WOODLAND LIMIT
- PHYSICAL TOP OF BANK (STAKED BY CONSERVATION HALTON JUL 16, 2021)
- 15m BUFFER FROM TOP OF BANK
- LIMIT OF RECREATED WETLAND
- 15m BUFFER FROM WETLAND
- 30m BUFFER FROM WETLAND
- 3:1 TRANSITION GRADING
- EXISTING CONTOUR
- EXISTING ELEVATION
- PROPOSED ELEVATION
- EXISTING OVERLAND FLOW ROUTE
- PROPOSED OVERLAND FLOW ROUTE

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150 STEELES MILTON INC.
TOWN OF MILTON

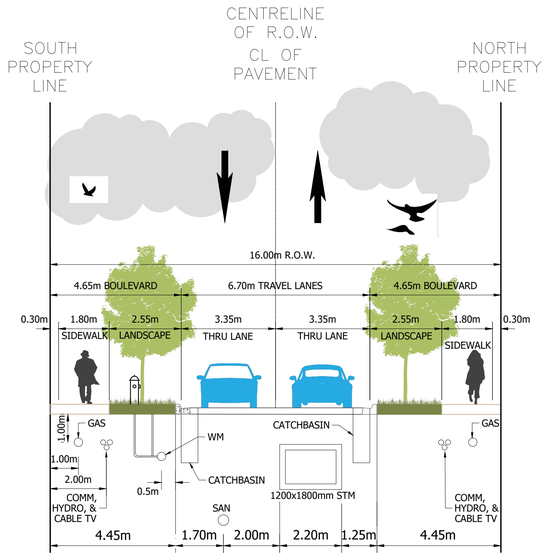
PRELIMINARY GRADING PLAN

PROJECT No.	DATE	SCALE	DWG No.
21-678	APR 2026	1:1000	GR-1

P:\PROJECTS\21-678 - 150 STEELES AVE E. (NEATT COMM.- MILTON - HALTON)\REPORTS\FUNCTIONAL SERVICING REPORT\DRAWINGS & FIGURES\GR-1 GRADING PLAN.DWG

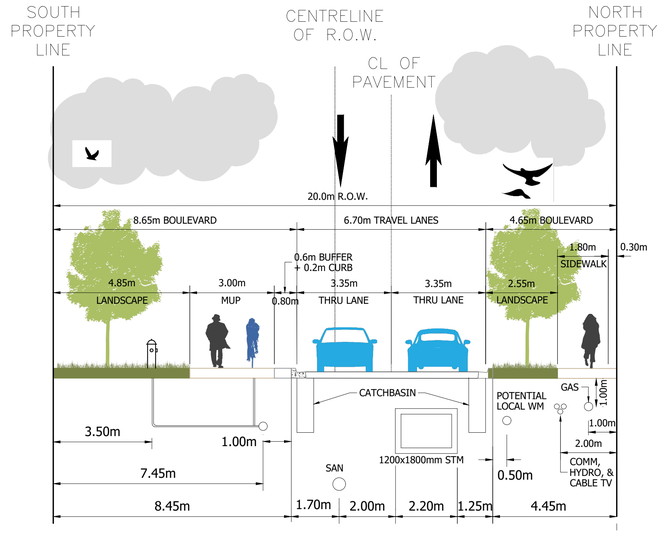
MODIFIED CROSS-SECTION DESIGNED
BASED ON MILTON CROSS-SECTION
STANDARD 01-16.02

Street E Road Cross Section
Proposed Public 16.0m R.O.W. (Local)
2 Directional Lanes, and 1.8m Sidewalks



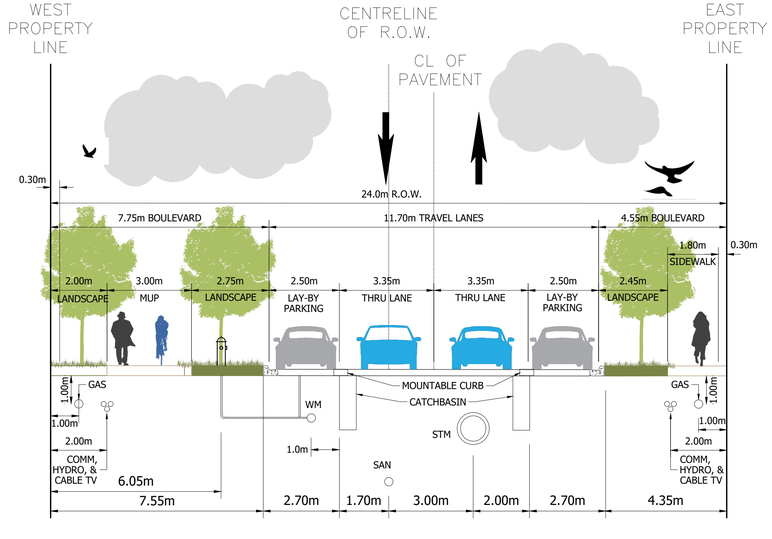
MODIFIED CROSS-SECTION DESIGNED
BASED ON MILTON CROSS-SECTION
STANDARD 01-20.02

Street D Road Cross Section
Proposed Public 20.0m R.O.W. (Local)
2 Directional Lanes, 3.0m MUP w. 0.6m Buffer, and 1.8m Sidewalk



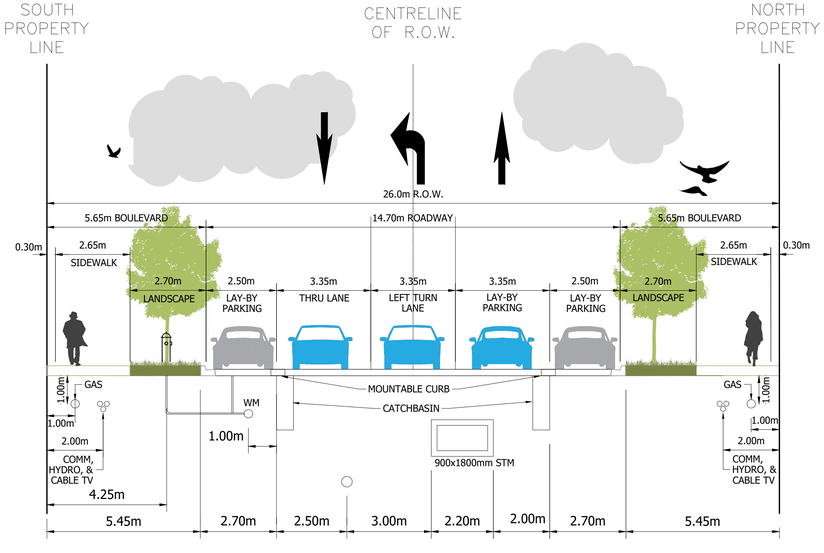
MODIFIED CROSS-SECTION DESIGNED
BASED ON MILTON CROSS-SECTION
STANDARD 01-24.01

Typical Street B Road Cross Section
Proposed Public 24.0m R.O.W. (Minor Collector)
2 Directional Lanes, 2.50m Lay-by Parking on Both Sides, 1.5m Sidewalk and 3.0m MUP



MODIFIED CROSS-SECTION DESIGNED
BASED ON MILTON CROSS-SECTION
STANDARD 01-26.01

2-Way Left Street A Road Cross Section
Proposed Public 26.0m R.O.W. (Major Collector)
2+1 Directional Lanes, Street Parking, and 1.5m Sidewalks



BENCHMARK
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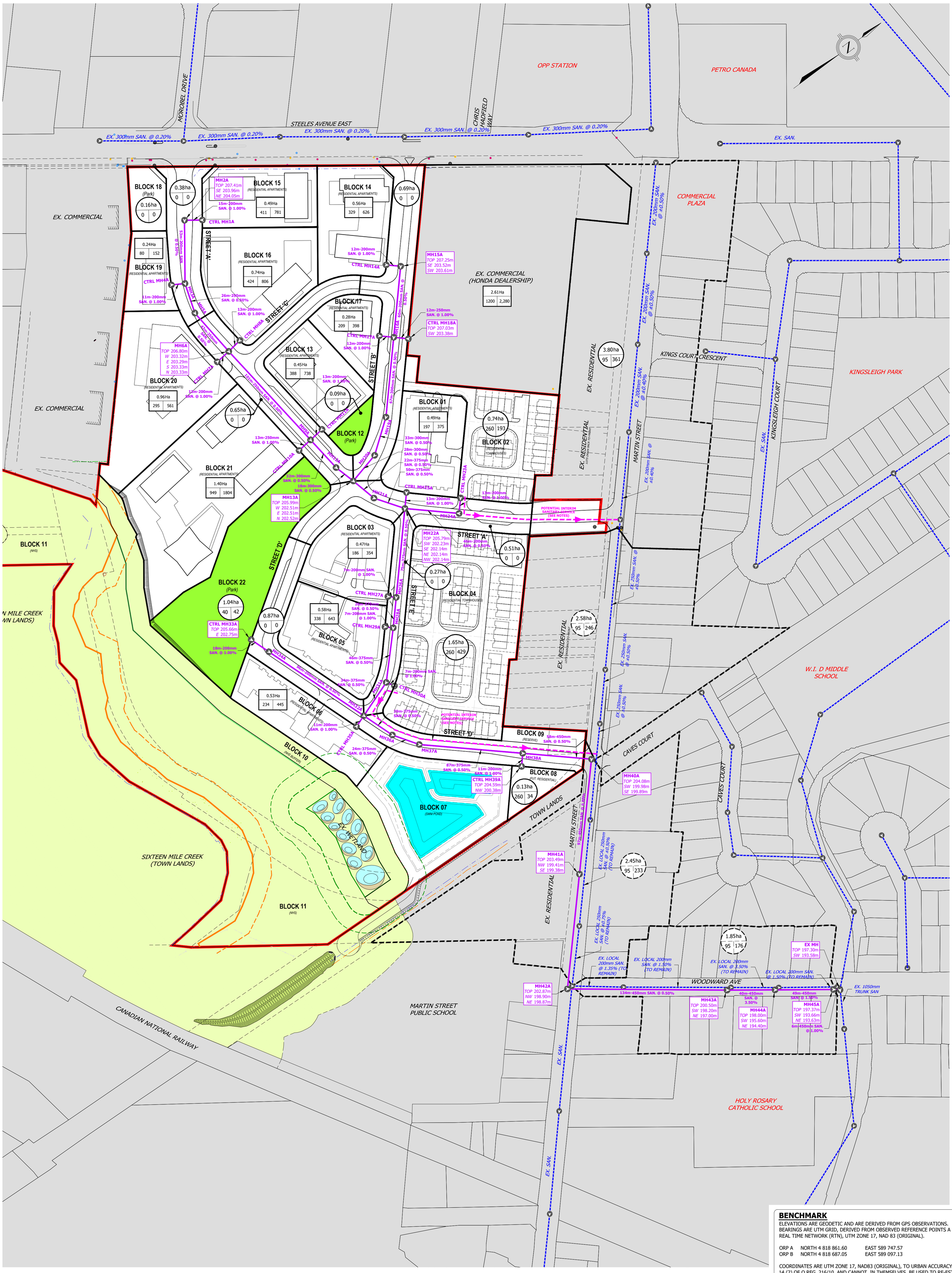
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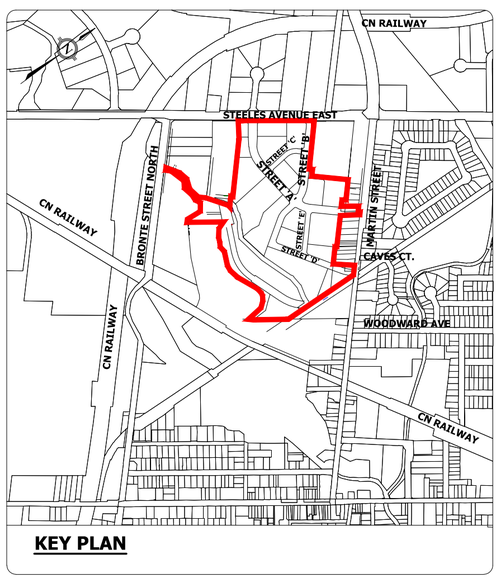
150 STEELES AVENUE EAST (MERITOR)
TOWN OF MILTON

R.O.W CROSS-SECTIONS

PROJECT No.	DATE	SCALE	DWG No.
21-678	FEB. 2026	1:100	ROW-1

P:\PROJECTS\21-678 - 150 STEELES AVE E. (NEATT COMM - MILTON - HALTON)\REPORTS\FUNCTIONAL SERVICING REPORT\DRAWINGS & FIGURES\ROW-1- RIGHT OF WAY SECTIONS.DWG





KEY PLAN

LEGEND

- SUBJECT LANDS
- EXTERNAL LANDS
- NHS LANDS
- OPEN SPACE/PARK
- NORMALIZED WOODLAND LIMIT
- PHYSICAL TOP OF BANK (STAKED BY CONSERVATION HALTON JUL 16, 2021)
- 15m BUFFER FROM TOP OF BANK
- LIMIT OF RECREATED WETLAND
- 15m BUFFER FROM WETLAND
- 30m BUFFER FROM WETLAND
- PROPOSED SANITARY SEWER
- EXISTING SANITARY SEWER
- POTENTIAL INTERIM SEWER FOR FIRST PHASE
- PROPOSED SANITARY DRAINAGE BOUNDARY
- EXISTING SANITARY DRAINAGE BOUNDARY

- 0.45ha / 2000 / 900 — DRAINAGE AREA (Ha.); POPULATION; # OF UNITS / OR POPULATION PER HECTARE (p/Ha.)
- 2.45ha / 95 / 233 — EXISTING DRAINAGE AREA (Ha.); POPULATION; # OF UNITS / OR POPULATION PER HECTARE (p/Ha.)
- 0.96Ha / 295 / 561 — PROPOSED DRAINAGE AREA (Ha.); POPULATION (BASED ON 1.9PPU); # OF UNITS
- SAN.MH5A TOP 90.75m S 85.00m N 85.00m E 85.00m — SANITARY MANHOLE ID; PROPOSED GROUND ELEVATION; PROPOSED SEWER INVERTS

NOTES:

- ALIGNMENT OF EXTERNAL SANITARY SEWER ON MARTIN STREET AND WOODWARD AVE IS PRELIMINARY. CONSTRUCTION METHODOLOGY TO BE EXPLORED THROUGH FUTURE DESIGN PROCESS. LOCAL SANITARY SEWER TO REMAIN (SERVICE CONNECTIONS TO TRUNK NOT PERMITTED BY REGION).
- ALLOWANCE IN PROPOSED SANITARY SEWER CAPACITY FOR THE FUTURE DEVELOPMENT OF THE ADJACENT COMMERCIAL PROPERTY (HONDA LANDS). NO DETAILS FOR THAT DEVELOPMENT ARE AVAILABLE AND THIS MAY BE SUBJECT TO CHANGE THROUGH FUTURE APPLICATION(S).
- POTENTIAL INTERIM SERVICING SOLUTION TO THE EXISTING MARTIN STREET SEWER TO SUPPORT FIRST PHASE OF DEVELOPMENT (BLOCKS 2 AND 4) IS CONCEPTUAL ONLY AND HAS NOT BEEN CONFIRMED BY THE REGION. CAPACITY CONSTRAINTS AND POTENTIAL INTERIM SERVICING TO BE EVALUATED AT EACH STAGE OF DETAILED DESIGN AS BLOCKS PROCEED.

BENCHMARK

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150 STEELES MILTON INC.
TOWN OF MILTON

SANITARY DRAINAGE PLAN

PROJECT No.	DATE	SCALE	DWG No.
21-678	APR 2026	1:1500	SAN-1

STEELES AVENUE

7.17ha
75%

PREVIOUS PIPED DRAINAGE TO HEADWALL ALONG SIXTEEN MILE CREEK (DECOMMISSIONED THROUGH REMEDIATION WORK, SLOPE TO BE RESTORED AT LATER DATE)

EX. BUILDING DEMOLISHED

BRONTE STREET

MARTIN STREET

KINGS COURT

CAVES COURT

HEADWALL REMOVED THROUGH REMEDIATION (SLOPE TO BE RESTORED)

0.77ha
0%

7.63ha
30%

OVERLAND FLOW DIRECTION FOR SOUTHWEST AREA

OVERLAND FLOW DIRECTION FOR SOUTHEAST AREA

SIXTEEN MILE CREEK

0.6HA

RESTORED WETLAND (REFER TO CEMS REPORT BY BEACON (2023) FOR DETAILS

EXISTING DRAINAGE SWALE

EX. DRAINAGE SWALE

EX. SEDIMENT POND DISCHARGING TO DRAINAGE SWALE INSTALLED FOR REMEDIATION WORKS. REFER TO CEMS REPORT BY BEACON (2023) FOR DETAILS

EXT. BET. 204.00
NWL 203.40
BOTTOM 202.40

EXT. BET. 204.00
NWL 203.40
BOTTOM 202.40

EX. 375mm STM. @ 1.00%

EX. 375mm STM. @ 1.10%

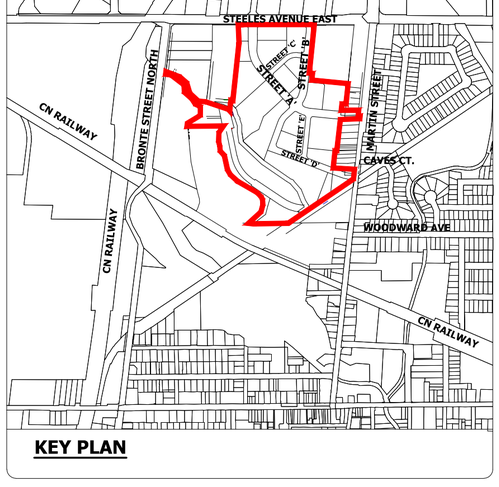
EX. 375mm STM. @ 2.30%

EX. 300mm STM. @ 0.90%

EX. 300mm STM. @ 0.45%

EX. 300mm STM. @ 0.61%

EX. 300mm STM. @ 0.60%



KEY PLAN

LEGEND

- SUBJECT LANDS
- NHS LANDS
- NORMALIZED WOODLAND LIMIT
- PHYSICAL TOP OF BANK (STAKED BY CONSERVATION HALTON JUL 16, 2021)
- 15m BUFFER FROM TOP OF BANK
- LIMIT OF RECREATED WETLAND
- 15m BUFFER FROM WETLAND
- 30m BUFFER FROM WETLAND
- PRE-DEVELOPMENT DRAINAGE BOUNDARY
- EXISTING STORM SEWERS & MH / FLOW DIRECTION
- EXISTING OVERLAND FLOW DIRECTION
- 204.00 EXISTING CONTOURS
- 1.00ha / 0.50 EXISTING STORM DRAINAGE AREA, HECTARES / EXISTING RUNOFF COEFFICIENT
- 2.0HA EXISTING SURFACE DRAINAGE AREA TO RESTORED WETLAND

NOTES

1. THIS SITE WAS SUBJECT TO A COMPREHENSIVE ENVIRONMENTAL MANAGEMENT STUDY (BEACON, 2023) TO REMOVE CONTAMINATED SOILS FROM PREVIOUS PROPERTY USES. THIS PLAN SHOWS THE ON-SITE DRAINAGE CONDITIONS AT THE COMPLETION OF REMEDIATION WORKS. FOR PRE-REMEDIATION CONDITIONS, REFER TO CEMS REPORT BY BEACON
2. REFER TO DWG STM-2 FOR POST-DEVELOPMENT CONDITION

BENCHMARK

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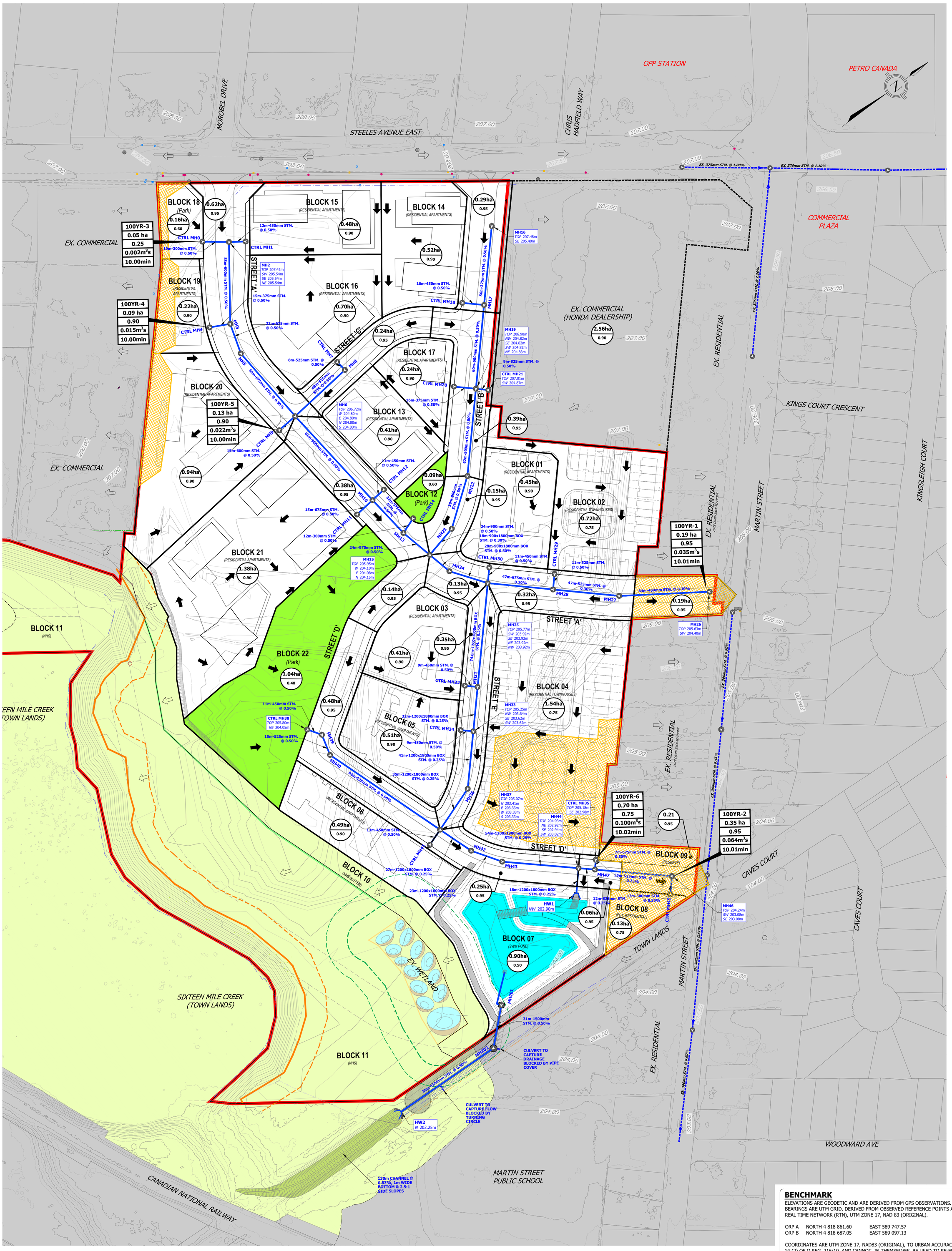
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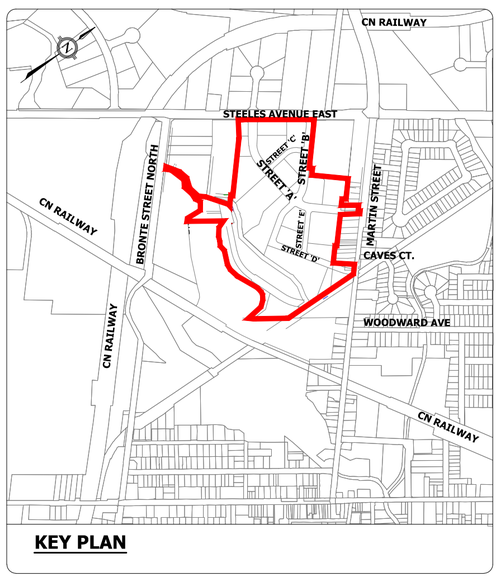
150 STEELES MILTON INC.
TOWN OF MILTON

PRE-DEVELOPMENT STORM DRAINAGE PLAN

PROJECT No.	DATE	SCALE	DWG No.
21-678	APR 2026	1:1500	STM-1

P:\PROJECTS\21-678 - 150 STEELES AVE E. (NEATT COMM.- MILTON - HALTON)\REPORTS\FUNCTIONAL SERVICING REPORT\DRAWINGS & FIGURES\STM-1 PRE-DEVELOPMENT DRAINAGE PLAN.DWG





KEY PLAN

LEGEND

- SUBJECT LANDS
- EXTERNAL LANDS
- NHS LANDS
- OPEN SPACE/PARK
- NORMALIZED WOODLAND LIMIT / PHYSICAL TOP OF BANK (STAKED BY CONSERVATION HALTON JUL 16, 2021)
- 15m BUFFER FROM TOP OF BANK
- LIMIT OF RECREATED WETLAND
- 15m BUFFER FROM WETLAND
- 30m BUFFER FROM WETLAND
- 204.00 — EXISTING CONTOURS
- PROPOSED DRAINAGE BOUNDARY
- PROPOSED STORM SEWERS
- EXISTING STORM SEWERS
- PROPOSED OVERLAND FLOW DIRECTION
- EXISTING OVERLAND FLOW DIRECTION
- 1.00ha / 0.50 — PROPOSED STORM DRAINAGE AREA, HECTARES / PROPOSED RUNOFF COEFFICIENT
- MAJOR SYSTEM CAPTURE AREA
- 100YR-2 — MAJOR SYSTEM CAPTURE AREA ID
- 0.13 ha — MAJOR SYSTEM CAPTURE AREA
- 0.95 — RUNOFF COEFFICIENT
- 0.024m³s — CONSTANT FLOW CAPTURED IN PIPE AT LOW POINT (Q100 - Q5)
- 10.01min — TIME OF CONCENTRATION
- MH 23 / TOP 256.53m / SW 255.72m / NW 255.72m — STORM MH ID / PROPOSED GROUND ELEVATION / PROPOSED SEWER OBVERTS (UNLESS SPECIFIED AS INVERT)

NOTES

1) FOR BLOCKS FRONTING MUNICIPAL ROWS, A 3.0m BUFFER HAS BEEN ASSUMED TO BE DIRECTED TOWARDS THE MUNICIPAL ROWS
2) REFER TO DWG STM-1 FOR PRE-DEVELOPMENT CONDITION
3) REFER TO DWG STM-3 FOR STORM WATER MANAGEMENT POND DETAILS

BENCHMARK

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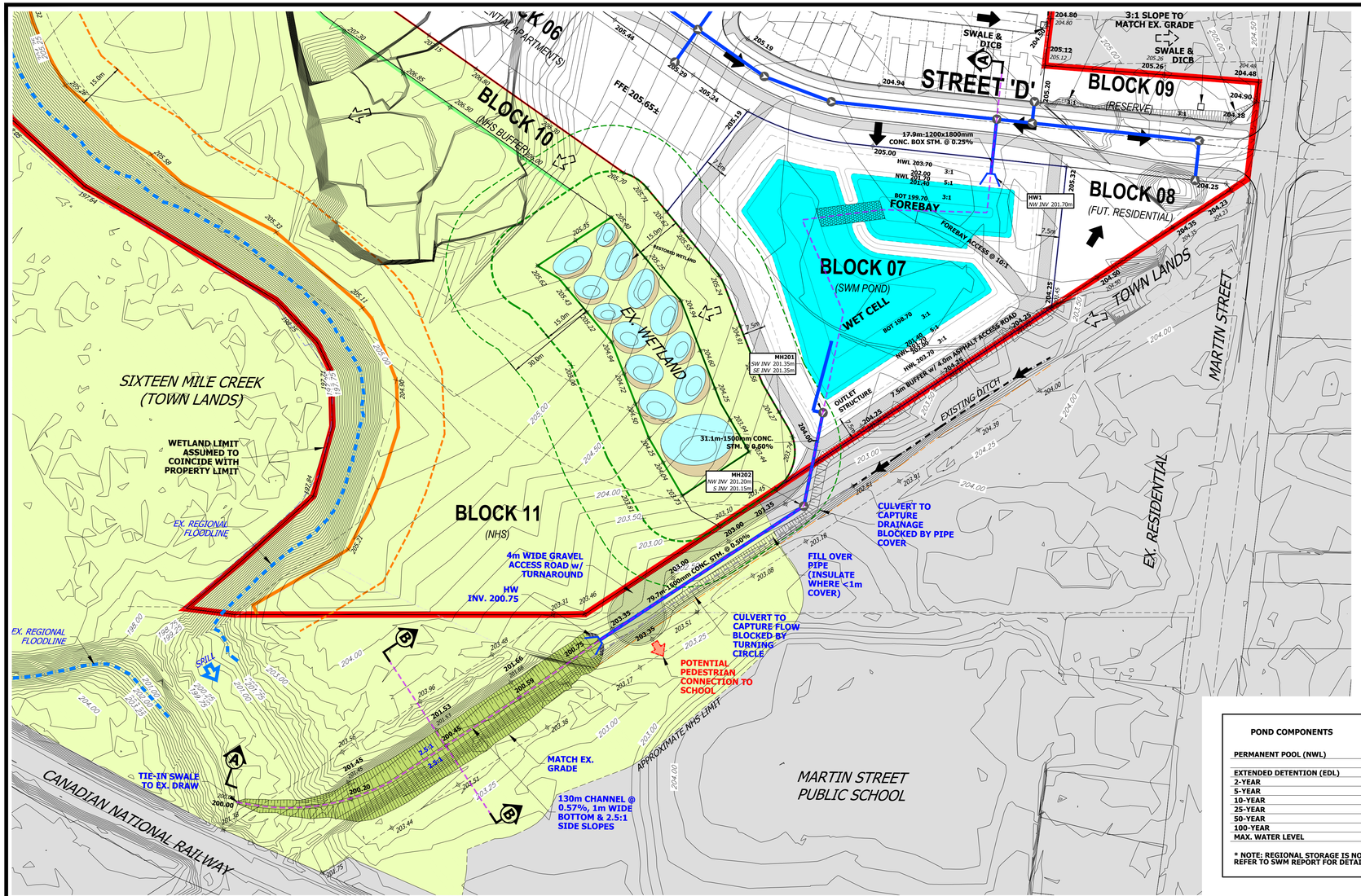
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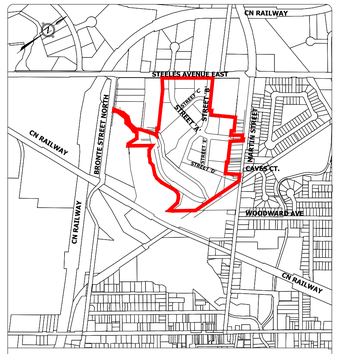
PRELIMINARY STORM SERVICING PLAN

PROJECT No.	DATE	SCALE	DWG No.
21-678	APR 2026	1:1250	STM-2

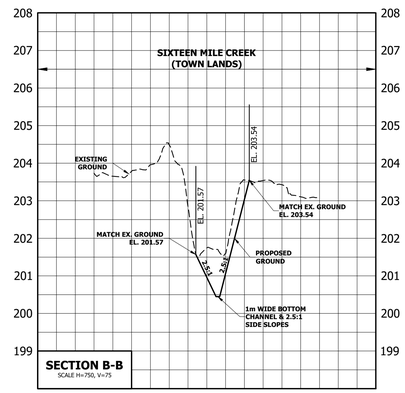
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KEY PLAN



LEGEND

- SUBJECT LANDS
- EXTERNAL LANDS
- NHS LANDS
- OPEN SPACE/PARK
- NORMALIZED WOODLAND LIMIT
- PHYSICAL TOP OF BANK (STAKED BY CONSERVATION HALTON JUL 16, 2021)
- 15m BUFFER FROM TOP OF BANK
- LIMIT OF RECREATED WETLAND
- 15m BUFFER FROM WETLAND
- 30m BUFFER FROM WETLAND
- 204.00 EXISTING CONTOURS
- × 200.25 EXISTING ELEVATION
- × 202.45 PROPOSED ELEVATION
- PROPOSED STORM SEWERS
- PROPOSED OVERLAND FLOW DIRECTION
- 3:1 TRANSITION GRADING

POND COMPONENTS	WATER SURFACE ELEVATION (m) (W.L.)	STORAGE VOLUME (m^3) REQUIRED	STORAGE VOLUME (m^3) PROVIDED	TARGET RELEASE RATE (m^3/s)	PROVIDED RELEASE RATE (m^3/s)
PERMANENT POOL (NWL)	201.70	3,998	6,088	-	-
EXTENDED DETENTION (EDL)	202.47	3,542	3,548	-	0.06
2-YEAR	202.50	3,695	3,701	1.56	1.55
5-YEAR	202.65	4,312	4,479	2.28	2.28
10-YEAR	202.75	4,813	5,009	2.81	2.81
25-YEAR	202.85	5,511	5,548	3.26	3.25
50-YEAR	202.95	5,885	6,097	4.03	4.03
100-YEAR	203.00	6,202	6,374	4.64	4.63
MAX. WATER LEVEL	203.70	-	10,512	-	-

*** NOTE: REGIONAL STORAGE IS NOT REQUIRED FOR THIS POND (100-YEAR GOVERNS - REFER TO SWM REPORT FOR DETAILS).**

NOTES

1) REFER TO DWG STM-2 FOR OVERALL STORM DRAINAGE PLAN
2) ADDITIONAL POND DESIGN DETAILS, INCLUDING LINER REQUIREMENTS, WILL BE DETERMINED WITH THE INPUT OF THE GEOTECHNICAL ENGINEER, TO BE PROVIDED AT DETAILED DESIGN.
3) TRADITIONAL EMERGENCY SPILLWAY NOT POSSIBLE DUE TO ELEVATION OF WOODLOT. OUTLET STRUCTURE TO BE EQUIPPED WITH EMERGENCY TOP GRATE, TBD AT DETAILED DESIGN.
4) FLUVIAL DETAILS FOR OUTFALL CHANNEL, INCLUDING CHECK DAMS AND PLUNGE POOLS, TBD AT DETAILED DESIGN.

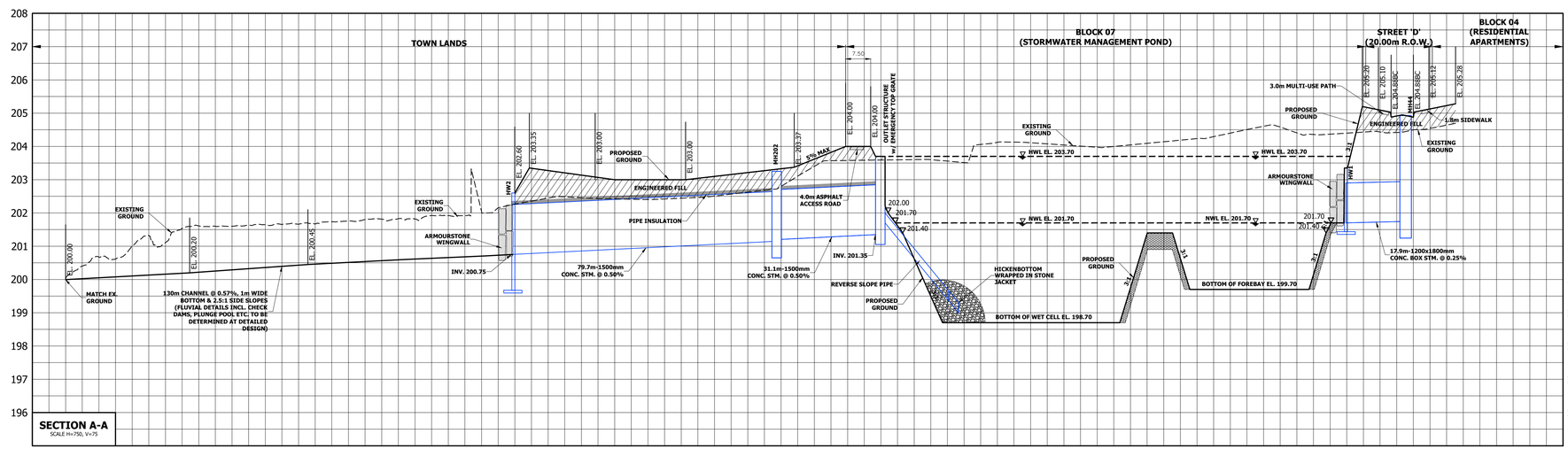
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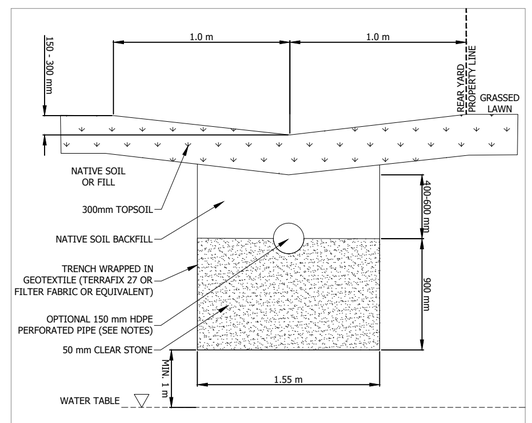
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150 STEELES AVENUE EAST (MERITOR)
TOWN OF MILTON

STORMWATER MANAGEMENT POND

PROJECT No.	DATE	SCALE	DWG No.
21-678	APR 2026	1:750	STM-3





NOTES:
1. SIDE SLOPES OF SWALE - MIN. 1.5%, MAX. 3:1
2. LONGITUDINAL SLOPE OF SWALE - 2% MIN.
3. OPTIONAL PERFORATED PIPE TO BE CONNECTED TO A REAR YARD CATCH BASIN FOR OVERFLOW.
4. ALTERNATIVE INFILTRATION TRENCH DETAIL/DIMENSIONS MAY BE EXPLORED AT DETAIL DESIGN.

REAR YARD INFILTRATION TRENCH
N.T.S.

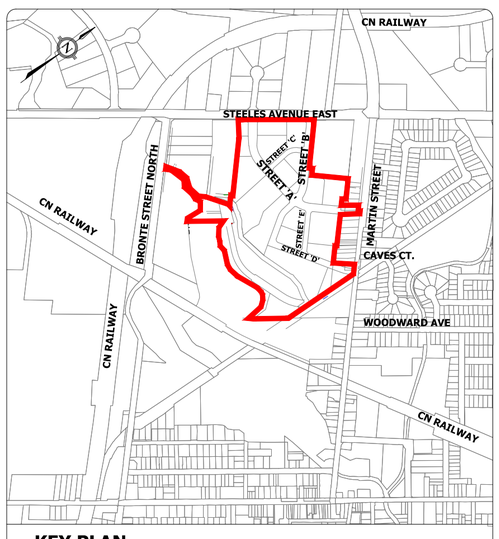
BENCHMARK

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ORP B	NORTH 4 818 687.05	EAST 589 097.13

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KEY PLAN

LEGEND

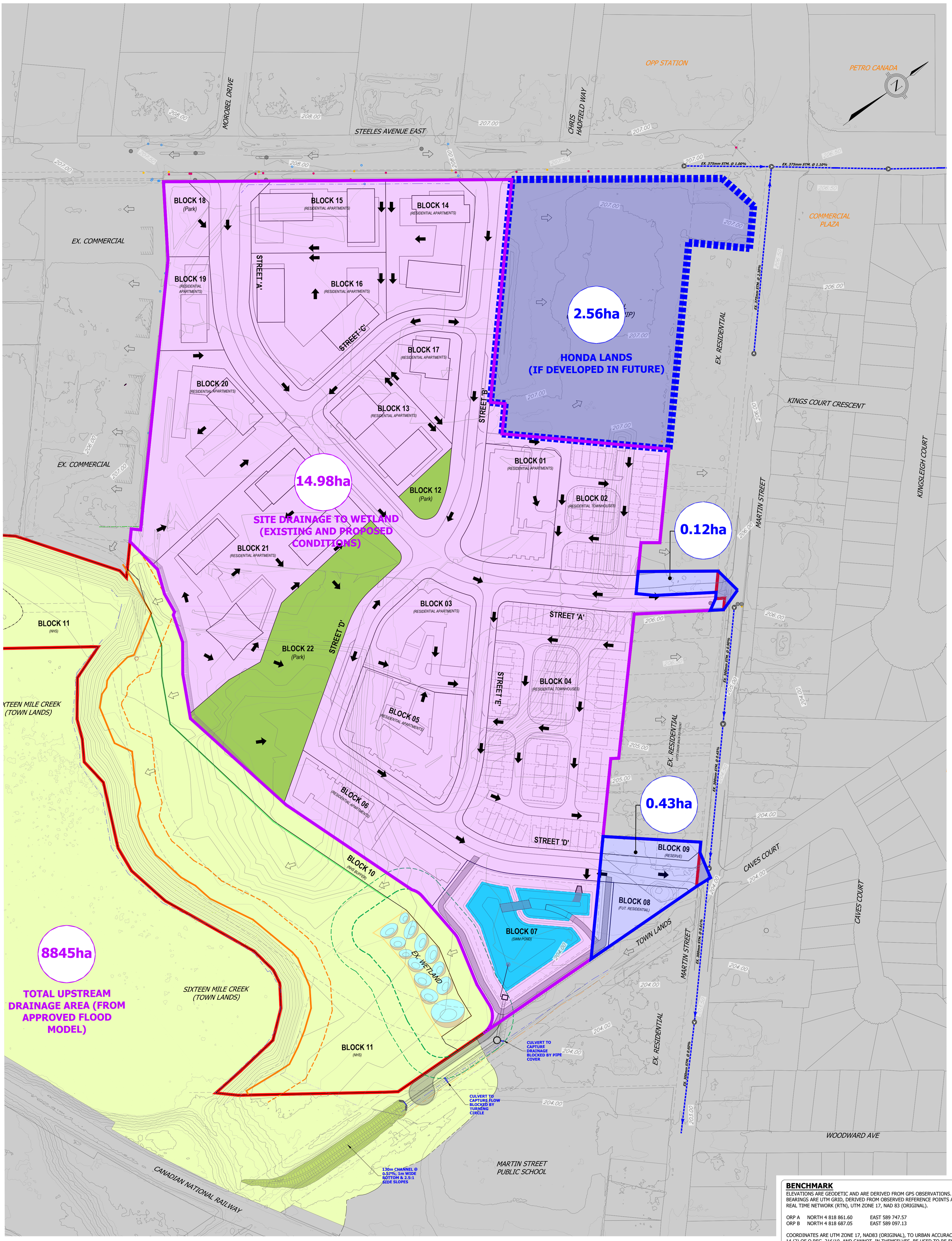
- SUBJECT LANDS
- EXTERNAL LANDS
- NHS LANDS
- OPEN SPACE/PARK (ADDITIONAL TOPSOIL WHERE POSSIBLE)
- NORMALIZED WOODLAND LIMIT
- PHYSICAL TOP OF BANK (STAKED BY CONSERVATION HALTON JUL 16, 2021)
- 15m BUFFER FROM TOP OF BANK
- LIMIT OF RECREATED WETLAND
- 15m BUFFER FROM WETLAND
- 30m BUFFER FROM WETLAND
- ADDITIONAL DEPTH OF TOPSOIL ON BOULEVARDS WITHIN PUBLIC ROWS
- REAR YARD INFILTRATION TRENCH (SEE DETAIL THIS DWG)
- ADDITIONAL DEPTH TOPSOIL ON LOTS (DOWNSPOUTS TO BE DISCONNECTED AND DIRECTED TO PERVIOUS AREA WHEREVER POSSIBLE)
- ADDITIONAL DEPTH TOPSOIL IN POND BLOCK
- UNDERGROUND PARKING WILL PROHIBIT INFILTRATION. ON-SITE REUSE TO BE EXPLORED AT SITE PLAN DESIGN STAGE FOR EACH BLOCK

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150 STEELES MILTON INC.
TOWN OF MILTON

CONCEPTUAL LOCATIONS OF LID MEASURES

PROJECT No.	DATE	SCALE	DWG No.
21-678	APR 2026	1:1250	STM-4



KEY PLAN

LEGEND

- SUBJECT LANDS
- EXTERNAL LANDS
- NHS LANDS
- OPEN SPACE/PARK
- NORMALIZED WOODLAND LIMIT
- PHYSICAL TOP OF BANK (STAKED BY CONSERVATION HALTON JUL 16, 2021)
- 15m BUFFER FROM TOP OF BANK
- LIMIT OF RECREATED WETLAND
- 15m BUFFER FROM WETLAND
- 30m BUFFER FROM WETLAND
- EXISTING CONTOURS (204.00)
- EXISTING STORM SEWERS
- PROPOSED OVERLAND FLOW DIRECTION
- EXISTING OVERLAND FLOW DIRECTION
- 2.56ha — PROPOSED DRAINAGE AREA TO BE ADDED TO WETLAND
- PROPOSED DRAINAGE TO BE ADDED TO WETLAND
- 15.1ha — EXISTING DRAINAGE AREA TO WETLAND
- EXISTING DRAINAGE TO WETLAND

BENCHMARK

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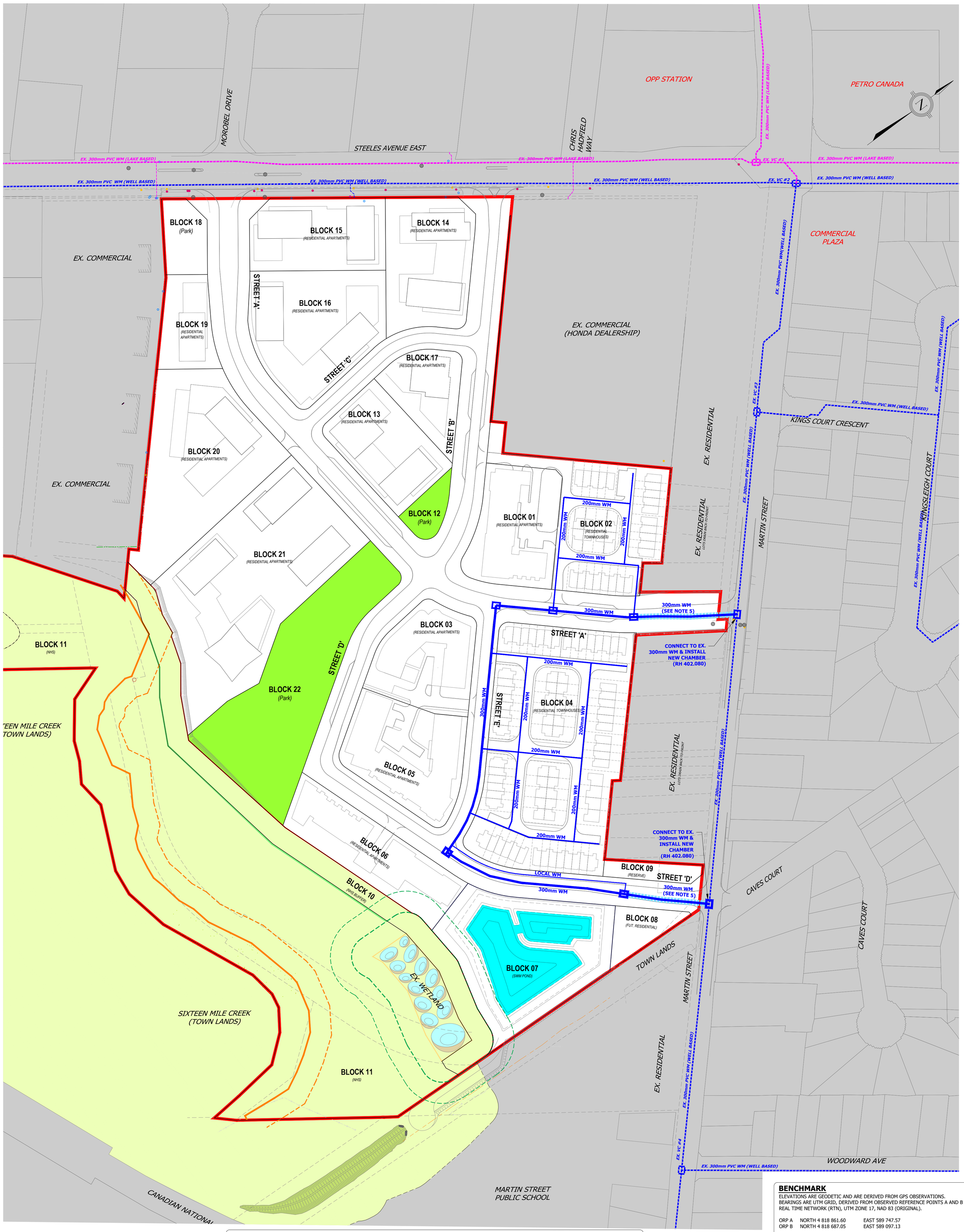
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150 STEELES MILTON INC.
TOWN OF MILTON

WETLAND WATER BALANCE

PROJECT No.	DATE	SCALE	DWG No.
21-678	APR 2026	1:1250	STM-5

P:\PROJECTS\21-678 - 150 STEELES AVE E. (NEATT COMM.- MILTON - HALTON)\REPORTS\FUNCTIONAL SERVICING REPORT\DRAWINGS & FIGURES\STM-5 WETLAND WATER BALANCE.DWG



KEY PLAN

LEGEND

- SUBJECT LANDS
- EXTERNAL LANDS
- NHS LANDS
- OPEN SPACE/PARK
- NORMALIZED WOODLAND LIMIT
- PHYSICAL TOP OF BANK (STAKED BY CONSERVATION HALTON JUL 16, 2021)
- 15m BUFFER FROM TOP OF BANK
- LIMIT OF RECREATED WETLAND
- 15m BUFFER FROM WETLAND
- 30m BUFFER FROM WETLAND
- PROPOSED WATERMAIN - PHASE 1 (GROUNDWATER-BASED SYSTEM, ZONE M5G)
- SECTIONS TO BE ABANDONED OR MAINTAINED FROM GROUNDWATER SYSTEM (SEE NOTE 5)
- EXISTING WATERMAIN (GROUNDWATER-BASED SYSTEM, ZONE M5G)
- EXISTING WATERMAIN (LAKE-BASED SYSTEM, ZONE M5L)

NOTES:

1. ALL BLOCKS TO BE PROVIDED WITH FIRE & DOMESTIC SERVICE CONNECTIONS PER REGION OF HALTON STANDARDS
2. LOW-RISE BLOCKS TO BE PROVIDED WITH TWO CONNECTIONS FOR LOOPING
3. FIRE HYDRANTS ALONG MUNICIPAL ROWS TO BE PROVIDED PER REGION STANDARD SPACING
4. WATERMAIN SIZING TO BE VERIFIED THROUGH FLOW TESTING AND DETAILED WATER MODELING. RESULTS TO BE COORDINATED WITH REGION OF HALTON TO CONFIRM SYSTEM CAPACITY.
5. IT IS PROPOSED TO TEMPORARILY CONNECT THE LOW-RISE BLOCKS (FIRST PHASE OF DEVELOPMENT) TO THE GROUNDWATER / WELL BASED WATERMAIN ON MARTIN STREET AS SHOWN ON THIS PLAN. THE PORTION OF WATERMAIN ON STREET 'D' MAY PERPETUALLY STAY CONNECTED TO THE GROUNDWATER SYSTEM, HOWEVER, THE REMAINDER OF THE SITE WILL BE ULTIMATELY BE FLIPPED TO THE LAKE-BASED SYSTEM AS SHOWN ON DRAWING WM-2. THE PORTION OF WATERMAIN ON STREET 'A' MAY BE ABANDONED.

BENCHMARK

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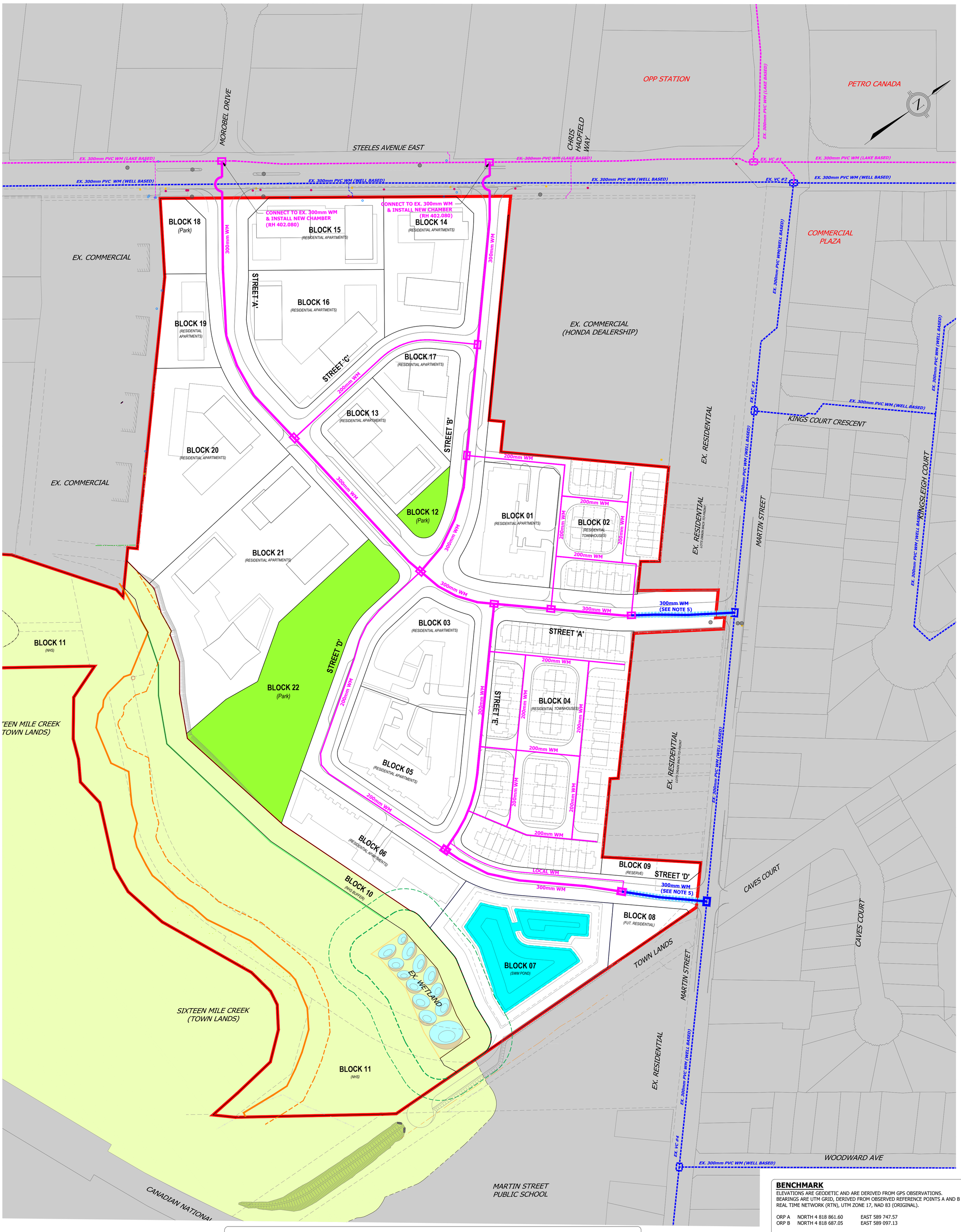
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150 STEELES MILTON INC.
TOWN OF MILTON

PRELIMINARY WATER SERVICING PLAN (INTERIM)

PROJECT No.	DATE	SCALE	DWG No.
21-678	APR 2026	1:1250	WM-1

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MOROBEL DRIVE
STEELES AVENUE EAST
CHRIS HADFIELD WAY
OPP STATION
PETRO CANADA
EX. 300mm PVC WM (LAKE BASED)
EX. 300mm PVC WM (WELL BASED)
EX. VC #1
EX. VC #2
EX. 300mm PVC WM (LAKE BASED)
EX. 300mm PVC WM (WELL BASED)
EX. 300mm PVC WM (LAKE BASED)
EX. 300mm PVC WM (WELL BASED)
EX. 300mm PVC WM (WELL BASED)
EX. 300mm PVC WM (WELL

STEELES AVENUE

BRONTE STREET

MARTIN STREET

KINGS COURT

CAVES COURT

SIXTEEN MILE CREEK

CANADIAN NATIONAL RAILWAY

EX. ASPHALT DRIVEWAY TO BE UTILIZED AS CONSTRUCTION ACCESS

STEP 0: ANY REQUIRED PLANTING / RESTORATION WITHIN THE BUFFER AREA IS TO BE COMPLETED PER APPROVED LANDSCAPE PLANS PRIOR TO SITE SERVICING

STEP 1A: INSTALL CONSTRUCTION ACCESS AT APPROVED LOCATION (ROW OCCUPANCY PERMIT REQUIRED). ROAD CBs TO BE PROTECTED WITH FILTER CLOTH

STEP 1B: INSTALL SEDIMENT FENCE AROUND ENTIRE PERIMETER OF SITE. TREE PROTECTION FENCE TO BE INSTALLED PER APPROVED ARBORIST REPORT.

STEP 2A: OUTLET TO SIXTEEN MILE CREEK TO BE PROTECTED WITH CHECK DAMS

STEP 2A: UPON ISOLATION OF OUTFALL AREA WITHIN TOWN LANDS, COMPLETE TREE REMOVALS AS PER APPROVED ABRORIST REPORT AND STRIP TOPSOIL.

STEP 2B: CUT OUTFALL CHANNEL AND STABILIZE IMMEDIATELY PER APPROVED LANDSCAPE PLANS

STEP 2C: INSTALL STORM PIPE PER APPROVED ENG. DRAWINGS. CUT FROM CHANNEL TO BE USED TO ACHIEVE FILL OVER PIPE. STABILIZE IMMEDIATELY.

STEP 3A: DURING A PERIOD OF DRY WEATHER, EX. SEDIMENT POND TO BE PUMPED OUT AND REGRADED TO FOLLOW ULTIMATE POND SHAPE. EXISTING SEDIMENT POND OUTLET TO REMAIN IN PLACE UNTIL ULTIMATE POND OUTLET IS OPERATIONAL.

STEP 3B: ONCE SEDIMENT POND IS RETROFITTED AND OPERATIONAL, INSTALL CUT-OFF SWALES AROUND PERIMETER (INCLUDING ANY REQUIRED CROSSINGS FOR VEHICLE ACCESS) TO DIRECT ALL RUNOFF TO POND

STEP 4: ONCE ALL ESC MEASURES ARE IN PLACE, STRIP ANY REMAINING TOPSOIL (SITE PREVIOUSLY REMEDIATED) AND COMPLETE ROUGH GRADING OF RIGHTS-OF-WAY AND BLOCKS, FOLLOWED BY SERVICING.

LIMIT OF DEVELOPMENT PER APPROVED CEMS

CUT-OFF SWALE

PROP. SEDIMENT POND

EX. POND

SUGGESTED SEDIMENT BAG LOCATION

EX. POND OUTLET

EXISTING DITCH

TOWN LANDS

EX. WETLAND

15.0m

30.0m

SIXTEEN MILE CREEK (TOWN LANDS)

WETLAND LIMIT ASSUMED TO COINCIDE WITH PROPERTY LIMIT

EX. REGIONAL FLOODLINE

1500mm STORM SEWER

130m CHANNEL @ 0.57%, 1m WIDE BOTTOM & 2.5:1 SIDE SLOPES

EX. RESIDENTIAL

MARTIN STREET PUBLIC SCHOOL

206.00 207.00 208.00 205.00 204.00 210.00 199.00 203.00

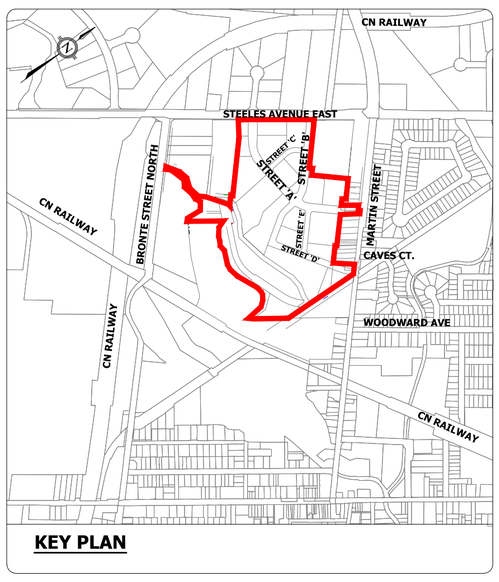
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KEY PLAN

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- 15m BUFFER FROM TOP OF BANK
- LIMIT OF RECREATED WETLAND
- 15m BUFFER FROM WETLAND
- 30m BUFFER FROM WETLAND
- EXISTING REGIONAL FLOODLINE
- EXISTING OVERLAND FLOW ROUTE
- PROPOSED OVERLAND FLOW ROUTE
- 204.00 EXISTING CONTOURS
- PROPOSED SINGLE SEDIMENT FENCE
- PROPOSED DOUBLE SEDIMENT FENCE
- PROPOSED TREE PROTECTION FENCE

NOTES

1. THIS SITE WAS SUBJECT TO A COMPREHENSIVE ENVIRONMENTAL MANAGEMENT STUDY (BEACON, 2023) TO REMOVE CONTAMINATED SOILS FROM PREVIOUS PROPERTY USES. THIS PLAN SHOWS THE ON-SITE DRAINAGE CONDITIONS AT THE COMPLETION OF REMEDIATION WORKS. FOR PRE-REMEDIATION CONDITIONS, REFER TO CEMS REPORT BY BEACON
2. DETAILS FOR ALL ESC MEASURES TO BE PROVIDED THROUGH THE FUTURE ENGINEERING APPROVALS AND PERMITTING PROCESS.
3. PERMITS REQUIRED FROM THE TOWN FOR CONSTRUCTION ACCESS TO MARTIN STREET AND THE REGION FOR ACCESS TO STEELES AVENUE.

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150 STEELES MILTON INC.
TOWN OF MILTON

CONCEPTUAL EROSION CONTROL & STAGING PLAN

PROJECT No.	DATE	SCALE	DWG No.
21-678	APR 2026	1:1500	ESC-1

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