PCSWMM Pre-Development Model Schematic



Legend

Subcatchments

- External
- Undeveloped
- Developed

Outfalls

N

0.5 km

PCSWMM Existing Conditions Model Input File

```
[TITLE]
;;Project Title/Notes

[OPTIONS]
;;Option             Value
FLOW_UNITS           CMS
INFILTRATION         HORTON
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         DEPTH
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           7/15/2026
START_TIME           00:00:00
REPORT_START_DATE    7/15/2026
REPORT_START_TIME    00:00:00
END_DATE             7/16/2026
END_TIME             00:00:00
SWEEP_START          1/1
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:01:00
WET_STEP             00:05:00
DRY_STEP             00:05:00
ROUTING_STEP         5
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              16

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

[RAINGAGES]
;;Name           Format    Interval SCF      Source
;;-------------- --------- -------- -------- ----------
10yr_24hr_SCS_Type_II_75mm INTENSITY 0:15     1.0      TIMESERIES
10yr_24hr_SCS_Type_II_75mm
25yr_24hr_SCS_Type_II_87.28mm INTENSITY 0:15     1.0      TIMESERIES
25yr_24hr_SCS_Type_II_87.28mm
2yr_24hr_SCS_Type_II_50.71mm INTENSITY 0:15     1.0      TIMESERIES
2yr_24hr_SCS_Type_II_50.71mm
2yr_Chicago_2h   INTENSITY 0:15     1.0      TIMESERIES 2yr_Chicago_2h
50yr_24hr_SCS_Type_II_96.43mm INTENSITY 0:15     1.0      TIMESERIES 50yr_24hr_SCS_
```

```
5yr_24hr_SCS_Type_II_65.3mm INTENSITY 0:15     1.0      TIMESERIES
5yr_24hr_SCS_Type_II_65.3mm
SCS_Type_II_100YR_24HR_105.53mm_15min INTENSITY 0:15     1.0      TIMESERIES
SCS_Type_II_100YR_24HR_105.53mm_15min

[SUBCATCHMENTS]
;;Name           Rain Gage        Outlet           Area     %Imperv  Width    %
Slope   CurbLen  SnowPack
;;-------------- ---------------- ---------------- -------- -------- -------- -----
--- -------- ----------------
CA-1             2yr_Chicago_2h   OF-2             5.1645   0        147.557  2.26
0
CA-2             2yr_Chicago_2h   OF-1             26.0925  0        401.423  0.85
0
CA-3             2yr_Chicago_2h   OF-1             3.4246   0        136.984  1.782
0
CA-4             2yr_Chicago_2h   OF-2             49.7485  0        284.277  2
0
CA-5             2yr_Chicago_2h   OF-3             22.9413  0        902.668  2
0
CA-6             2yr_Chicago_2h   OF-1             5.0678   0        337.853  2
0
CA-7             2yr_Chicago_2h   OF-4             11.5578  0        385.26   1.5
0
CA-8             2yr_Chicago_2h   OF-5             1.6337   0        108.913  1
0
CA-9             2yr_Chicago_2h   OF-5             5.6654   0        141.635  2
0
EX-1             2yr_Chicago_2h   OF-2             25.1164  0        279.071  1
0
EX-2             2yr_Chicago_2h   OF-5             15.7074  0        241.652  1
0
EX-3             2yr_Chicago_2h   OF-5             1.2037   0        120.37   2
0
EX-4             2yr_Chicago_2h   OF-5             1.7238   0        143.65   1.5
0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo
PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ----------
----------
CA-1             0.011      0.302      2          6.72       0          OUTLET
CA-2             0.011      0.201      2          5.4        0          OUTLET
CA-3             0.011      0.197      2          5.35       0          OUTLET
CA-4             0.011      0.249      2          6.025      0          OUTLET
CA-5             0.011      0.4        2          8          0          OUTLET
CA-6             0.011      0.254      2          6.101      0          OUTLET
CA-7             0.011      0.215      2          5.584      0          OUTLET
CA-8             0.011      0.28       2          6.43       0          OUTLET
CA-9             0.011      0.212      2          5.534      0          OUTLET
EX-1             0.011      0.205      2          5.454      0          OUTLET
EX-2             0.011      0.202      2          5.349      0          OUTLET
EX-3             0.011      0.216      2          5.521      0          OUTLET
EX-4             0.011      0.169      2          4.916      0          OUTLET

[INFILTRATION]
;;Subcatchment   Param1     Param2     Param3     Param4     Param5
;;-------------- ---------- ---------- ---------- ---------- ----------
```

```
CA-1             65         0.5        7          0          0
CURVE_NUMBER
CA-2             75         0.5        7          0          0
CURVE_NUMBER
CA-3             75         0.5        7          0          0
CURVE_NUMBER
CA-4             70         0.5        7          0          0
CURVE_NUMBER
CA-5             55         0.5        7          0          0
CURVE_NUMBER
CA-6             70         0.5        7          0          0
CURVE_NUMBER
CA-7             74         0.5        7          0          0
CURVE_NUMBER
CA-8             67         0.5        7          0          0
CURVE_NUMBER
CA-9             74         0.5        7          0          0
CURVE_NUMBER
EX-1             74         0.5        7          0          0
CURVE_NUMBER
EX-2             75         0.5        7          0          0
CURVE_NUMBER
EX-3             73         0.5        7          0          0
CURVE_NUMBER
EX-4             78         0.5        7          0          0
CURVE_NUMBER

[JUNCTIONS]
;;Name           Elevation  MaxDepth   InitDepth  SurDepth   Aponded
;;-------------- ---------- ---------- ---------- ---------- ----------
J_Dummy          1          1          0          0          0

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated    Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
OF-1             134.84     FREE                        NO
OF-2             0          FREE                        NO
OF-3             133.92     FREE                        NO
OF-4             133.99     FREE                        NO
OF-5             133.99     FREE                        NO

[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Transect created from transect line: 12
NC 0.01     0.01     0.01
X1 3                175      0        0        0.0      0.0      0.0      0.0
0.0
GR 299.998  0        300      1        300.004  5        300.003  6        299.991
7
GR 299.971  8        299.945  9        299.915  10       299.893  11       299.88
12
GR 299.87   13       299.865  14       299.836  16       299.817  17       299.796
18
GR 299.773  19       299.752  20       299.729  21       299.701  22       299.672
23
GR 299.642  24       299.617  25       299.589  26       299.563  27       299.539
28
GR 299.519  29       299.506  30       299.504  31       299.506  32       299.504
33
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GR 299.5    34       299.497  35       299.49   36       299.478  37       299.451
38
GR 299.407  39       299.359  40       299.307  41       299.259  42       299.221
43
GR 299.179  44       299.146  45       299.076  47       299.019  49       299.004
50
GR 299      51       298.998  52       298.987  53       298.96   54       298.913
55
GR 298.861  56       298.819  57       298.779  58       298.744  59       298.721
60
GR 298.699  61       298.682  62       298.661  63       298.646  64       298.633
65
GR 298.628  66       298.628  67       298.633  69       298.627  70       298.608
72
GR 298.594  73       298.559  75       298.522  77       298.507  78       298.491
79
GR 298.466  80       298.42   81       298.367  82       298.302  83       298.246
84
GR 298.184  85       298.138  86       298.096  87       298.052  88       298.016
89
GR 297.989  90       297.977  91       297.993  92       298.003  93       297.977
94
GR 297.899  95       297.805  96       297.688  97       297.568  98       297.423
99
GR 297.233  100      297.003  101      296.799  102      296.626  103      296.432
104
GR 296.234  105      296.062  106      295.955  107      295.881  108      295.811
109
GR 295.752  110      295.683  111      295.6    112      295.494  113      295.399
114
GR 295.341  115      295.375  116      295.439  117      295.582  118      295.787
119
GR 296.029  120      296.301  121      296.478  122      296.568  123      296.666
124
GR 296.817  125      296.981  126      297.15   127      297.324  128      297.473
129
GR 297.54   130      297.642  132      297.71   133      297.785  134      297.867
135
GR 297.953  136      297.993  137      298.003  138      297.992  139      297.983
140
GR 297.983  141      297.992  142      298      143      297.997  144      297.985
145
GR 297.978  146      297.983  147      297.983  148      297.976  149      297.911
150
GR 297.902  151      297.91   152      297.917  153      297.932  154      297.95
155
GR 297.97   156      297.984  157      297.994  158      297.999  159      298.001
164
GR 298      165      297.994  168      297.997  171      297.996  172      297.984
173
GR 297.968  174      297.95   175      297.93   176      297.914  177      297.899
178
GR 297.888  179      297.878  180      297.865  181      297.85   182      297.817
184
GR 297.788  186      297.777  187      297.758  189      297.75   190      297.741
191
GR 297.658  202      297.653  203      297.646  204      297.629  208      297.611
213.572024439975
;
;Transect created from transect line: 13
```

```
NC 0.01     0.01     0.01
X1 4                192      0        0        0.0      0.0      0.0      0.0
0.0
GR 299.78   0        299.735  1        299.64   3        299.588  4        299.544
5
GR 299.508  6        299.498  7        299.5    8        299.5    9        299.488
10
GR 299.456  11       299.426  12       299.405  13       299.37   15       299.327
17
GR 299.268  19       299.237  20       299.205  21       299.176  22       299.145
23
GR 299.118  24       299.09   25       298.987  29       298.956  30       298.924
31
GR 298.845  33       298.799  34       298.751  35       298.712  36       298.671
37
GR 298.646  38       298.618  39       298.603  40       298.584  41       298.54
43
GR 298.51   44       298.47   45       298.371  46       298.233  47       298.07
48
GR 297.923  49       297.79   50       297.656  51       297.518  52       297.364
53
GR 297.203  54       297.034  55       296.862  56       296.658  57       296.478
58
GR 296.017  60       295.782  61       295.521  62       295.288  63       295.042
64
GR 294.814  65       294.639  66       294.494  67       294.422  68       294.402
69
GR 294.316  70       294.236  71       294.194  72       294.128  73       294.07
74
GR 293.979  75       293.861  76       293.747  77       293.598  78       293.465
79
GR 293.354  80       293.229  81       293.121  82       292.977  83       292.786
84
GR 292.589  85       292.336  86       292.065  87       291.834  88       291.544
89
GR 291.331  90       291.206  91       291.058  92       290.898  93       290.652
94
GR 290.369  95       290.128  96       289.922  97       289.758  98       289.607
99
GR 289.492  100      289.428  101      289.371  102      289.335  103      289.376
104
GR 289.467  105      289.565  106      289.64   107      289.696  108      289.723
109
GR 289.731  110      289.727  111      289.72   112      289.731  113      289.764
114
GR 289.808  115      289.901  116      290.018  117      290.222  118      290.508
119
GR 290.791  120      291.162  121      291.577  122      291.955  123      292.323
124
GR 292.675  125      293.064  126      293.507  127      293.879  128      294.31
129
GR 294.68   130      295.078  131      295.487  132      295.853  133      296.729
135
GR 297.024  136      297.225  137      297.307  138      297.31   139      297.301
140
GR 297.294  141      297.344  142      297.353  143      297.375  145      297.346
146
GR 297.338  147      297.365  148      297.322  149      297.29   150      297.252
151
GR 297.236  152      297.206  153      297.175  154      297.192  155      297.203
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GR 297.268  157      297.38   158      297.486  159      297.633  160      297.817
161
GR 297.97   162      298.144  163      298.315  164      298.533  165      298.813
166
GR 298.996  167      299.069  168      299.061  169      299.029  170      299
171
GR 299.018  172      299.116  173      299.26   174      299.387  175      299.509
176
GR 299.641  177      299.811  178      299.962  179      300.04   180      300.088
181
GR 300.167  182      300.341  184      300.419  185      300.481  186      300.558
187
GR 300.655  188      300.748  189      300.853  190      300.935  191      301.021
192
GR 301.104  193      301.17   194      301.25   195      301.326  196      301.389
197
GR 301.461  198      301.52   199      301.588  200      301.662  201      301.732
202
GR 301.804  203      301.869  203.889727129499
;
;Transect created from transect line: 14
NC 0.01     0.01     0.01
X1 5                202      0        0        0.0      0.0      0.0      0.0
0.0
GR 297.219  0        297.142  1        297.063  2        296.928  4        296.851
5
GR 296.762  6        296.675  7        296.595  8        296.539  9        296.487
10
GR 296.4    11       296.3    12       296.191  13       296.068  14       295.932
15
GR 295.793  16       295.628  17       295.503  18       295.401  19       295.286
20
GR 295.158  21       295.016  22       294.868  23       294.734  24       294.58
25
GR 294.472  26       294.379  27       294.301  28       294.226  29       294.083
31
GR 294.014  32       293.921  33       293.809  34       293.66   35       293.458
36
GR 293.206  37       292.969  38       292.81   39       292.7    40       292.555
41
GR 292.415  42       292.173  43       291.829  44       291.455  45       291.117
46
GR 290.801  47       290.497  48       290.103  49       289.672  50       289.236
51
GR 288.83   52       288.463  53       288.136  54       287.877  55       287.695
56
GR 287.507  57       287.339  58       287.164  59       286.979  60       286.754
61
GR 286.539  62       286.364  63       286.226  64       286.082  65       285.959
66
GR 285.851  67       285.753  68       285.649  69       285.526  70       285.333
71
GR 285.115  72       284.972  73       284.869  74       284.79   75       284.717
76
GR 284.652  77       284.588  78       284.521  79       284.452  80       284.381
81
GR 284.296  82       284.214  83       284.13   84       284.039  85       283.945
86
GR 283.876  87       283.959  88       284.127  89       284.364  90       284.576
91
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GR 284.793  92       285.003  93       285.233  94       285.48   95       285.733
96
GR 285.969  97       286.258  98       286.58   99       286.92   100      287.215
101
GR 287.433  102      287.613  103      287.798  104      287.976  105      288.187
106
GR 288.401  107      288.576  108      288.754  109      288.927  110      289.074
111
GR 289.379  113      289.534  114      289.719  115      289.891  116      290.028
117
GR 290.138  118      290.243  119      290.341  120      290.465  121      290.632
122
GR 290.817  123      290.973  124      291.083  125      291.164  126      291.229
127
GR 291.289  128      291.347  129      291.466  131      291.506  132      291.566
134
GR 291.631  135      291.72   136      291.851  137      291.977  138      292.003
139
GR 291.959  140      291.892  141      291.86   142      291.87   143      291.909
144
GR 291.946  145      291.995  146      292.047  147      292.104  148      292.159
149
GR 292.206  150      292.244  151      292.275  152      292.302  153      292.331
154
GR 292.37   155      292.426  156      292.494  157      292.564  158      292.632
159
GR 292.698  160      292.82   162      292.864  163      292.901  164      292.93
165
GR 292.965  166      292.998  167      293.046  168      293.118  169      293.223
170
GR 293.298  171      293.361  172      293.412  173      293.483  174      293.544
175
GR 293.616  176      293.709  177      293.827  178      294.01   180      294.126
181
GR 294.21   182      294.274  183      294.325  184      294.384  185      294.429
186
GR 294.482  187      294.534  188      294.605  189      294.643  190      294.678
191
GR 294.727  192      294.8    193      294.838  194      294.883  195      294.999
197
GR 295.03   198      295.071  199      295.156  200      295.198  201      295.241
203
GR 295.29   204      295.351  205      295.391  206      295.414  207      295.465
208
GR 295.505  209      295.543  209.75527624512

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;SCS_Type II_75mm design storm, total rainfall = 75 mm, rain interval = 15 minutes,
rain units = mm/hr., rain units = mm/hr.
10yr_24hr_SCS_Type_II_75mm            0:00       0.825
10yr_24hr_SCS_Type_II_75mm            0:15       0.825
10yr_24hr_SCS_Type_II_75mm            0:30       0.825
10yr_24hr_SCS_Type_II_75mm            0:45       0.825
10yr_24hr_SCS_Type_II_75mm            1:00       0.825
10yr_24hr_SCS_Type_II_75mm            1:15       0.825
10yr_24hr_SCS_Type_II_75mm            1:30       0.825
10yr_24hr_SCS_Type_II_75mm            1:45       0.825
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10yr_24hr_SCS_Type_II_75mm	2:00	0.975
10yr_24hr_SCS_Type_II_75mm	2:15	0.975
10yr_24hr_SCS_Type_II_75mm	2:30	0.975
10yr_24hr_SCS_Type_II_75mm	2:45	0.975
10yr_24hr_SCS_Type_II_75mm	3:00	0.975
10yr_24hr_SCS_Type_II_75mm	3:15	0.975
10yr_24hr_SCS_Type_II_75mm	3:30	0.975
10yr_24hr_SCS_Type_II_75mm	3:45	0.975
10yr_24hr_SCS_Type_II_75mm	4:00	1.2
10yr_24hr_SCS_Type_II_75mm	4:15	1.2
10yr_24hr_SCS_Type_II_75mm	4:30	1.2
10yr_24hr_SCS_Type_II_75mm	4:45	1.2
10yr_24hr_SCS_Type_II_75mm	5:00	1.2
10yr_24hr_SCS_Type_II_75mm	5:15	1.2
10yr_24hr_SCS_Type_II_75mm	5:30	1.2
10yr_24hr_SCS_Type_II_75mm	5:45	1.2
10yr_24hr_SCS_Type_II_75mm	6:00	1.35
10yr_24hr_SCS_Type_II_75mm	6:15	1.35
10yr_24hr_SCS_Type_II_75mm	6:30	1.35
10yr_24hr_SCS_Type_II_75mm	6:45	1.35
10yr_24hr_SCS_Type_II_75mm	7:00	1.65
10yr_24hr_SCS_Type_II_75mm	7:15	1.65
10yr_24hr_SCS_Type_II_75mm	7:30	1.65
10yr_24hr_SCS_Type_II_75mm	7:45	1.65
10yr_24hr_SCS_Type_II_75mm	8:00	1.95
10yr_24hr_SCS_Type_II_75mm	8:15	1.95
10yr_24hr_SCS_Type_II_75mm	8:30	2.1
10yr_24hr_SCS_Type_II_75mm	8:45	2.1
10yr_24hr_SCS_Type_II_75mm	9:00	2.4
10yr_24hr_SCS_Type_II_75mm	9:15	2.4
10yr_24hr_SCS_Type_II_75mm	9:30	2.7
10yr_24hr_SCS_Type_II_75mm	9:45	2.7
10yr_24hr_SCS_Type_II_75mm	10:00	3.45
10yr_24hr_SCS_Type_II_75mm	10:15	3.45
10yr_24hr_SCS_Type_II_75mm	10:30	4.65
10yr_24hr_SCS_Type_II_75mm	10:45	4.65
10yr_24hr_SCS_Type_II_75mm	11:00	7.2
10yr_24hr_SCS_Type_II_75mm	11:15	7.2
10yr_24hr_SCS_Type_II_75mm	11:30	22.2
10yr_24hr_SCS_Type_II_75mm	11:45	91.8
10yr_24hr_SCS_Type_II_75mm	12:00	10.8
10yr_24hr_SCS_Type_II_75mm	12:15	10.8
10yr_24hr_SCS_Type_II_75mm	12:30	5.55
10yr_24hr_SCS_Type_II_75mm	12:45	5.55
10yr_24hr_SCS_Type_II_75mm	13:00	4.05
10yr_24hr_SCS_Type_II_75mm	13:15	4.05
10yr_24hr_SCS_Type_II_75mm	13:30	3.15
10yr_24hr_SCS_Type_II_75mm	13:45	3.15
10yr_24hr_SCS_Type_II_75mm	14:00	2.25
10yr_24hr_SCS_Type_II_75mm	14:15	2.25
10yr_24hr_SCS_Type_II_75mm	14:30	2.25
10yr_24hr_SCS_Type_II_75mm	14:45	2.25
10yr_24hr_SCS_Type_II_75mm	15:00	2.25
10yr_24hr_SCS_Type_II_75mm	15:15	2.25
10yr_24hr_SCS_Type_II_75mm	15:30	2.25
10yr_24hr_SCS_Type_II_75mm	15:45	2.25
10yr_24hr_SCS_Type_II_75mm	16:00	1.35

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10yr_24hr_SCS_Type_II_75mm            16:15      1.35
10yr_24hr_SCS_Type_II_75mm            16:30      1.35
10yr_24hr_SCS_Type_II_75mm            16:45      1.35
10yr_24hr_SCS_Type_II_75mm            17:00      1.35
10yr_24hr_SCS_Type_II_75mm            17:15      1.35
10yr_24hr_SCS_Type_II_75mm            17:30      1.35
10yr_24hr_SCS_Type_II_75mm            17:45      1.35
10yr_24hr_SCS_Type_II_75mm            18:00      1.35
10yr_24hr_SCS_Type_II_75mm            18:15      1.35
10yr_24hr_SCS_Type_II_75mm            18:30      1.35
10yr_24hr_SCS_Type_II_75mm            18:45      1.35
10yr_24hr_SCS_Type_II_75mm            19:00      1.35
10yr_24hr_SCS_Type_II_75mm            19:15      1.35
10yr_24hr_SCS_Type_II_75mm            19:30      1.35
10yr_24hr_SCS_Type_II_75mm            19:45      1.35
10yr_24hr_SCS_Type_II_75mm            20:00      0.9
10yr_24hr_SCS_Type_II_75mm            20:15      0.9
10yr_24hr_SCS_Type_II_75mm            20:30      0.9
10yr_24hr_SCS_Type_II_75mm            20:45      0.9
10yr_24hr_SCS_Type_II_75mm            21:00      0.9
10yr_24hr_SCS_Type_II_75mm            21:15      0.9
10yr_24hr_SCS_Type_II_75mm            21:30      0.9
10yr_24hr_SCS_Type_II_75mm            21:45      0.9
10yr_24hr_SCS_Type_II_75mm            22:00      0.9
10yr_24hr_SCS_Type_II_75mm            22:15      0.9
10yr_24hr_SCS_Type_II_75mm            22:30      0.9
10yr_24hr_SCS_Type_II_75mm            22:45      0.9
10yr_24hr_SCS_Type_II_75mm            23:00      0.9
10yr_24hr_SCS_Type_II_75mm            23:15      0.9
10yr_24hr_SCS_Type_II_75mm            23:30      0.9
10yr_24hr_SCS_Type_II_75mm            23:45      0.9

;SCS_Type II_87.28mm design storm, total rainfall = 87.28 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
25yr_24hr_SCS_Type_II_87.28mm           0:00       0.96
25yr_24hr_SCS_Type_II_87.28mm           0:15       0.96
25yr_24hr_SCS_Type_II_87.28mm           0:30       0.96
25yr_24hr_SCS_Type_II_87.28mm           0:45       0.96
25yr_24hr_SCS_Type_II_87.28mm           1:00       0.96
25yr_24hr_SCS_Type_II_87.28mm           1:15       0.96
25yr_24hr_SCS_Type_II_87.28mm           1:30       0.96
25yr_24hr_SCS_Type_II_87.28mm           1:45       0.96
25yr_24hr_SCS_Type_II_87.28mm           2:00       1.135
25yr_24hr_SCS_Type_II_87.28mm           2:15       1.135
25yr_24hr_SCS_Type_II_87.28mm           2:30       1.135
25yr_24hr_SCS_Type_II_87.28mm           2:45       1.135
25yr_24hr_SCS_Type_II_87.28mm           3:00       1.135
25yr_24hr_SCS_Type_II_87.28mm           3:15       1.135
25yr_24hr_SCS_Type_II_87.28mm           3:30       1.135
25yr_24hr_SCS_Type_II_87.28mm           3:45       1.135
25yr_24hr_SCS_Type_II_87.28mm           4:00       1.396
25yr_24hr_SCS_Type_II_87.28mm           4:15       1.396
25yr_24hr_SCS_Type_II_87.28mm           4:30       1.396
25yr_24hr_SCS_Type_II_87.28mm           4:45       1.396
25yr_24hr_SCS_Type_II_87.28mm           5:00       1.396
25yr_24hr_SCS_Type_II_87.28mm           5:15       1.396
25yr_24hr_SCS_Type_II_87.28mm           5:30       1.396
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25yr_24hr_SCS_Type_II_87.28mm	5:45	1.396
25yr_24hr_SCS_Type_II_87.28mm	6:00	1.571
25yr_24hr_SCS_Type_II_87.28mm	6:15	1.571
25yr_24hr_SCS_Type_II_87.28mm	6:30	1.571
25yr_24hr_SCS_Type_II_87.28mm	6:45	1.571
25yr_24hr_SCS_Type_II_87.28mm	7:00	1.92
25yr_24hr_SCS_Type_II_87.28mm	7:15	1.92
25yr_24hr_SCS_Type_II_87.28mm	7:30	1.92
25yr_24hr_SCS_Type_II_87.28mm	7:45	1.92
25yr_24hr_SCS_Type_II_87.28mm	8:00	2.269
25yr_24hr_SCS_Type_II_87.28mm	8:15	2.269
25yr_24hr_SCS_Type_II_87.28mm	8:30	2.444
25yr_24hr_SCS_Type_II_87.28mm	8:45	2.444
25yr_24hr_SCS_Type_II_87.28mm	9:00	2.793
25yr_24hr_SCS_Type_II_87.28mm	9:15	2.793
25yr_24hr_SCS_Type_II_87.28mm	9:30	3.142
25yr_24hr_SCS_Type_II_87.28mm	9:45	3.142
25yr_24hr_SCS_Type_II_87.28mm	10:00	4.015
25yr_24hr_SCS_Type_II_87.28mm	10:15	4.015
25yr_24hr_SCS_Type_II_87.28mm	10:30	5.411
25yr_24hr_SCS_Type_II_87.28mm	10:45	5.411
25yr_24hr_SCS_Type_II_87.28mm	11:00	8.379
25yr_24hr_SCS_Type_II_87.28mm	11:15	8.379
25yr_24hr_SCS_Type_II_87.28mm	11:30	25.835
25yr_24hr_SCS_Type_II_87.28mm	11:45	106.831
25yr_24hr_SCS_Type_II_87.28mm	12:00	12.568
25yr_24hr_SCS_Type_II_87.28mm	12:15	12.568
25yr_24hr_SCS_Type_II_87.28mm	12:30	6.459
25yr_24hr_SCS_Type_II_87.28mm	12:45	6.459
25yr_24hr_SCS_Type_II_87.28mm	13:00	4.713
25yr_24hr_SCS_Type_II_87.28mm	13:15	4.713
25yr_24hr_SCS_Type_II_87.28mm	13:30	3.666
25yr_24hr_SCS_Type_II_87.28mm	13:45	3.666
25yr_24hr_SCS_Type_II_87.28mm	14:00	2.618
25yr_24hr_SCS_Type_II_87.28mm	14:15	2.618
25yr_24hr_SCS_Type_II_87.28mm	14:30	2.618
25yr_24hr_SCS_Type_II_87.28mm	14:45	2.618
25yr_24hr_SCS_Type_II_87.28mm	15:00	2.618
25yr_24hr_SCS_Type_II_87.28mm	15:15	2.618
25yr_24hr_SCS_Type_II_87.28mm	15:30	2.618
25yr_24hr_SCS_Type_II_87.28mm	15:45	2.618
25yr_24hr_SCS_Type_II_87.28mm	16:00	1.571
25yr_24hr_SCS_Type_II_87.28mm	16:15	1.571
25yr_24hr_SCS_Type_II_87.28mm	16:30	1.571
25yr_24hr_SCS_Type_II_87.28mm	16:45	1.571
25yr_24hr_SCS_Type_II_87.28mm	17:00	1.571
25yr_24hr_SCS_Type_II_87.28mm	17:15	1.571
25yr_24hr_SCS_Type_II_87.28mm	17:30	1.571
25yr_24hr_SCS_Type_II_87.28mm	17:45	1.571
25yr_24hr_SCS_Type_II_87.28mm	18:00	1.571
25yr_24hr_SCS_Type_II_87.28mm	18:15	1.571
25yr_24hr_SCS_Type_II_87.28mm	18:30	1.571
25yr_24hr_SCS_Type_II_87.28mm	18:45	1.571
25yr_24hr_SCS_Type_II_87.28mm	19:00	1.571
25yr_24hr_SCS_Type_II_87.28mm	19:15	1.571
25yr_24hr_SCS_Type_II_87.28mm	19:30	1.571
25yr_24hr_SCS_Type_II_87.28mm	19:45	1.571

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25yr_24hr_SCS_Type_II_87.28mm            20:00      1.047
25yr_24hr_SCS_Type_II_87.28mm            20:15      1.047
25yr_24hr_SCS_Type_II_87.28mm            20:30      1.047
25yr_24hr_SCS_Type_II_87.28mm            20:45      1.047
25yr_24hr_SCS_Type_II_87.28mm            21:00      1.047
25yr_24hr_SCS_Type_II_87.28mm            21:15      1.047
25yr_24hr_SCS_Type_II_87.28mm            21:30      1.047
25yr_24hr_SCS_Type_II_87.28mm            21:45      1.047
25yr_24hr_SCS_Type_II_87.28mm            22:00      1.047
25yr_24hr_SCS_Type_II_87.28mm            22:15      1.047
25yr_24hr_SCS_Type_II_87.28mm            22:30      1.047
25yr_24hr_SCS_Type_II_87.28mm            22:45      1.047
25yr_24hr_SCS_Type_II_87.28mm            23:00      1.047
25yr_24hr_SCS_Type_II_87.28mm            23:15      1.047
25yr_24hr_SCS_Type_II_87.28mm            23:30      1.047
25yr_24hr_SCS_Type_II_87.28mm            23:45      1.047

;SCS_Type II_50.71mm design storm, total rainfall = 50.71 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
2yr_24hr_SCS_Type_II_50.71mm             0:00       0.558
2yr_24hr_SCS_Type_II_50.71mm             0:15       0.558
2yr_24hr_SCS_Type_II_50.71mm             0:30       0.558
2yr_24hr_SCS_Type_II_50.71mm             0:45       0.558
2yr_24hr_SCS_Type_II_50.71mm             1:00       0.558
2yr_24hr_SCS_Type_II_50.71mm             1:15       0.558
2yr_24hr_SCS_Type_II_50.71mm             1:30       0.558
2yr_24hr_SCS_Type_II_50.71mm             1:45       0.558
2yr_24hr_SCS_Type_II_50.71mm             2:00       0.659
2yr_24hr_SCS_Type_II_50.71mm             2:15       0.659
2yr_24hr_SCS_Type_II_50.71mm             2:30       0.659
2yr_24hr_SCS_Type_II_50.71mm             2:45       0.659
2yr_24hr_SCS_Type_II_50.71mm             3:00       0.659
2yr_24hr_SCS_Type_II_50.71mm             3:15       0.659
2yr_24hr_SCS_Type_II_50.71mm             3:30       0.659
2yr_24hr_SCS_Type_II_50.71mm             3:45       0.659
2yr_24hr_SCS_Type_II_50.71mm             4:00       0.811
2yr_24hr_SCS_Type_II_50.71mm             4:15       0.811
2yr_24hr_SCS_Type_II_50.71mm             4:30       0.811
2yr_24hr_SCS_Type_II_50.71mm             4:45       0.811
2yr_24hr_SCS_Type_II_50.71mm             5:00       0.811
2yr_24hr_SCS_Type_II_50.71mm             5:15       0.811
2yr_24hr_SCS_Type_II_50.71mm             5:30       0.811
2yr_24hr_SCS_Type_II_50.71mm             5:45       0.811
2yr_24hr_SCS_Type_II_50.71mm             6:00       0.913
2yr_24hr_SCS_Type_II_50.71mm             6:15       0.913
2yr_24hr_SCS_Type_II_50.71mm             6:30       0.913
2yr_24hr_SCS_Type_II_50.71mm             6:45       0.913
2yr_24hr_SCS_Type_II_50.71mm             7:00       1.116
2yr_24hr_SCS_Type_II_50.71mm             7:15       1.116
2yr_24hr_SCS_Type_II_50.71mm             7:30       1.116
2yr_24hr_SCS_Type_II_50.71mm             7:45       1.116
2yr_24hr_SCS_Type_II_50.71mm             8:00       1.318
2yr_24hr_SCS_Type_II_50.71mm             8:15       1.318
2yr_24hr_SCS_Type_II_50.71mm             8:30       1.42
2yr_24hr_SCS_Type_II_50.71mm             8:45       1.42
2yr_24hr_SCS_Type_II_50.71mm             9:00       1.623
2yr_24hr_SCS_Type_II_50.71mm             9:15       1.623
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2yr_24hr_SCS_Type_II_50.71mm	9:30	1.826
2yr_24hr_SCS_Type_II_50.71mm	9:45	1.826
2yr_24hr_SCS_Type_II_50.71mm	10:00	2.333
2yr_24hr_SCS_Type_II_50.71mm	10:15	2.333
2yr_24hr_SCS_Type_II_50.71mm	10:30	3.144
2yr_24hr_SCS_Type_II_50.71mm	10:45	3.144
2yr_24hr_SCS_Type_II_50.71mm	11:00	4.868
2yr_24hr_SCS_Type_II_50.71mm	11:15	4.868
2yr_24hr_SCS_Type_II_50.71mm	11:30	15.01
2yr_24hr_SCS_Type_II_50.71mm	11:45	62.069
2yr_24hr_SCS_Type_II_50.71mm	12:00	7.302
2yr_24hr_SCS_Type_II_50.71mm	12:15	7.302
2yr_24hr_SCS_Type_II_50.71mm	12:30	3.753
2yr_24hr_SCS_Type_II_50.71mm	12:45	3.753
2yr_24hr_SCS_Type_II_50.71mm	13:00	2.738
2yr_24hr_SCS_Type_II_50.71mm	13:15	2.738
2yr_24hr_SCS_Type_II_50.71mm	13:30	2.13
2yr_24hr_SCS_Type_II_50.71mm	13:45	2.13
2yr_24hr_SCS_Type_II_50.71mm	14:00	1.521
2yr_24hr_SCS_Type_II_50.71mm	14:15	1.521
2yr_24hr_SCS_Type_II_50.71mm	14:30	1.521
2yr_24hr_SCS_Type_II_50.71mm	14:45	1.521
2yr_24hr_SCS_Type_II_50.71mm	15:00	1.521
2yr_24hr_SCS_Type_II_50.71mm	15:15	1.521
2yr_24hr_SCS_Type_II_50.71mm	15:30	1.521
2yr_24hr_SCS_Type_II_50.71mm	15:45	1.521
2yr_24hr_SCS_Type_II_50.71mm	16:00	0.913
2yr_24hr_SCS_Type_II_50.71mm	16:15	0.913
2yr_24hr_SCS_Type_II_50.71mm	16:30	0.913
2yr_24hr_SCS_Type_II_50.71mm	16:45	0.913
2yr_24hr_SCS_Type_II_50.71mm	17:00	0.913
2yr_24hr_SCS_Type_II_50.71mm	17:15	0.913
2yr_24hr_SCS_Type_II_50.71mm	17:30	0.913
2yr_24hr_SCS_Type_II_50.71mm	17:45	0.913
2yr_24hr_SCS_Type_II_50.71mm	18:00	0.913
2yr_24hr_SCS_Type_II_50.71mm	18:15	0.913
2yr_24hr_SCS_Type_II_50.71mm	18:30	0.913
2yr_24hr_SCS_Type_II_50.71mm	18:45	0.913
2yr_24hr_SCS_Type_II_50.71mm	19:00	0.913
2yr_24hr_SCS_Type_II_50.71mm	19:15	0.913
2yr_24hr_SCS_Type_II_50.71mm	19:30	0.913
2yr_24hr_SCS_Type_II_50.71mm	19:45	0.913
2yr_24hr_SCS_Type_II_50.71mm	20:00	0.609
2yr_24hr_SCS_Type_II_50.71mm	20:15	0.609
2yr_24hr_SCS_Type_II_50.71mm	20:30	0.609
2yr_24hr_SCS_Type_II_50.71mm	20:45	0.609
2yr_24hr_SCS_Type_II_50.71mm	21:00	0.609
2yr_24hr_SCS_Type_II_50.71mm	21:15	0.609
2yr_24hr_SCS_Type_II_50.71mm	21:30	0.609
2yr_24hr_SCS_Type_II_50.71mm	21:45	0.609
2yr_24hr_SCS_Type_II_50.71mm	22:00	0.609
2yr_24hr_SCS_Type_II_50.71mm	22:15	0.609
2yr_24hr_SCS_Type_II_50.71mm	22:30	0.609
2yr_24hr_SCS_Type_II_50.71mm	22:45	0.609
2yr_24hr_SCS_Type_II_50.71mm	23:00	0.609
2yr_24hr_SCS_Type_II_50.71mm	23:15	0.609
2yr_24hr_SCS_Type_II_50.71mm	23:30	0.609

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2yr_24hr_SCS_Type_II_50.71mm            23:45      0.609

;Chicago design storm, a = 24, b = 0, c = 0.76, Duration = 120 minutes, r = 0.35,
rain interval = 15 minutes, rain units = mm/hr.
2yr_Chicago_2h              0:00       0.178
2yr_Chicago_2h              0:15       0.281
2yr_Chicago_2h              0:30       3.065
2yr_Chicago_2h              0:45       0.551
2yr_Chicago_2h              1:00       0.361
2yr_Chicago_2h              1:15       0.251
2yr_Chicago_2h              1:30       0.197
2yr_Chicago_2h              1:45       0.164
2yr_Chicago_2h              2:00       0

;SCS_Type II_96.43mm design storm, total rainfall = 96.43 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
50yr_24hr_SCS_Type_II_96.43mm            0:00       1.061
50yr_24hr_SCS_Type_II_96.43mm            0:15       1.061
50yr_24hr_SCS_Type_II_96.43mm            0:30       1.061
50yr_24hr_SCS_Type_II_96.43mm            0:45       1.061
50yr_24hr_SCS_Type_II_96.43mm            1:00       1.061
50yr_24hr_SCS_Type_II_96.43mm            1:15       1.061
50yr_24hr_SCS_Type_II_96.43mm            1:30       1.061
50yr_24hr_SCS_Type_II_96.43mm            1:45       1.061
50yr_24hr_SCS_Type_II_96.43mm            2:00       1.254
50yr_24hr_SCS_Type_II_96.43mm            2:15       1.254
50yr_24hr_SCS_Type_II_96.43mm            2:30       1.254
50yr_24hr_SCS_Type_II_96.43mm            2:45       1.254
50yr_24hr_SCS_Type_II_96.43mm            3:00       1.254
50yr_24hr_SCS_Type_II_96.43mm            3:15       1.254
50yr_24hr_SCS_Type_II_96.43mm            3:30       1.254
50yr_24hr_SCS_Type_II_96.43mm            3:45       1.254
50yr_24hr_SCS_Type_II_96.43mm            4:00       1.543
50yr_24hr_SCS_Type_II_96.43mm            4:15       1.543
50yr_24hr_SCS_Type_II_96.43mm            4:30       1.543
50yr_24hr_SCS_Type_II_96.43mm            4:45       1.543
50yr_24hr_SCS_Type_II_96.43mm            5:00       1.543
50yr_24hr_SCS_Type_II_96.43mm            5:15       1.543
50yr_24hr_SCS_Type_II_96.43mm            5:30       1.543
50yr_24hr_SCS_Type_II_96.43mm            5:45       1.543
50yr_24hr_SCS_Type_II_96.43mm            6:00       1.736
50yr_24hr_SCS_Type_II_96.43mm            6:15       1.736
50yr_24hr_SCS_Type_II_96.43mm            6:30       1.736
50yr_24hr_SCS_Type_II_96.43mm            6:45       1.736
50yr_24hr_SCS_Type_II_96.43mm            7:00       2.121
50yr_24hr_SCS_Type_II_96.43mm            7:15       2.121
50yr_24hr_SCS_Type_II_96.43mm            7:30       2.121
50yr_24hr_SCS_Type_II_96.43mm            7:45       2.121
50yr_24hr_SCS_Type_II_96.43mm            8:00       2.507
50yr_24hr_SCS_Type_II_96.43mm            8:15       2.507
50yr_24hr_SCS_Type_II_96.43mm            8:30       2.7
50yr_24hr_SCS_Type_II_96.43mm            8:45       2.7
50yr_24hr_SCS_Type_II_96.43mm            9:00       3.086
50yr_24hr_SCS_Type_II_96.43mm            9:15       3.086
50yr_24hr_SCS_Type_II_96.43mm            9:30       3.471
50yr_24hr_SCS_Type_II_96.43mm            9:45       3.471
50yr_24hr_SCS_Type_II_96.43mm            10:00      4.436
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50yr_24hr_SCS_Type_II_96.43mm           10:15      4.436
50yr_24hr_SCS_Type_II_96.43mm           10:30      5.979
50yr_24hr_SCS_Type_II_96.43mm           10:45      5.979
50yr_24hr_SCS_Type_II_96.43mm           11:00      9.257
50yr_24hr_SCS_Type_II_96.43mm           11:15      9.257
50yr_24hr_SCS_Type_II_96.43mm           11:30      28.543
50yr_24hr_SCS_Type_II_96.43mm           11:45      118.03
50yr_24hr_SCS_Type_II_96.43mm           12:00      13.886
50yr_24hr_SCS_Type_II_96.43mm           12:15      13.886
50yr_24hr_SCS_Type_II_96.43mm           12:30      7.136
50yr_24hr_SCS_Type_II_96.43mm           12:45      7.136
50yr_24hr_SCS_Type_II_96.43mm           13:00      5.207
50yr_24hr_SCS_Type_II_96.43mm           13:15      5.207
50yr_24hr_SCS_Type_II_96.43mm           13:30      4.05
50yr_24hr_SCS_Type_II_96.43mm           13:45      4.05
50yr_24hr_SCS_Type_II_96.43mm           14:00      2.893
50yr_24hr_SCS_Type_II_96.43mm           14:15      2.893
50yr_24hr_SCS_Type_II_96.43mm           14:30      2.893
50yr_24hr_SCS_Type_II_96.43mm           14:45      2.893
50yr_24hr_SCS_Type_II_96.43mm           15:00      2.893
50yr_24hr_SCS_Type_II_96.43mm           15:15      2.893
50yr_24hr_SCS_Type_II_96.43mm           15:30      2.893
50yr_24hr_SCS_Type_II_96.43mm           15:45      2.893
50yr_24hr_SCS_Type_II_96.43mm           16:00      1.736
50yr_24hr_SCS_Type_II_96.43mm           16:15      1.736
50yr_24hr_SCS_Type_II_96.43mm           16:30      1.736
50yr_24hr_SCS_Type_II_96.43mm           16:45      1.736
50yr_24hr_SCS_Type_II_96.43mm           17:00      1.736
50yr_24hr_SCS_Type_II_96.43mm           17:15      1.736
50yr_24hr_SCS_Type_II_96.43mm           17:30      1.736
50yr_24hr_SCS_Type_II_96.43mm           17:45      1.736
50yr_24hr_SCS_Type_II_96.43mm           18:00      1.736
50yr_24hr_SCS_Type_II_96.43mm           18:15      1.736
50yr_24hr_SCS_Type_II_96.43mm           18:30      1.736
50yr_24hr_SCS_Type_II_96.43mm           18:45      1.736
50yr_24hr_SCS_Type_II_96.43mm           19:00      1.736
50yr_24hr_SCS_Type_II_96.43mm           19:15      1.736
50yr_24hr_SCS_Type_II_96.43mm           19:30      1.736
50yr_24hr_SCS_Type_II_96.43mm           19:45      1.736
50yr_24hr_SCS_Type_II_96.43mm           20:00      1.157
50yr_24hr_SCS_Type_II_96.43mm           20:15      1.157
50yr_24hr_SCS_Type_II_96.43mm           20:30      1.157
50yr_24hr_SCS_Type_II_96.43mm           20:45      1.157
50yr_24hr_SCS_Type_II_96.43mm           21:00      1.157
50yr_24hr_SCS_Type_II_96.43mm           21:15      1.157
50yr_24hr_SCS_Type_II_96.43mm           21:30      1.157
50yr_24hr_SCS_Type_II_96.43mm           21:45      1.157
50yr_24hr_SCS_Type_II_96.43mm           22:00      1.157
50yr_24hr_SCS_Type_II_96.43mm           22:15      1.157
50yr_24hr_SCS_Type_II_96.43mm           22:30      1.157
50yr_24hr_SCS_Type_II_96.43mm           22:45      1.157
50yr_24hr_SCS_Type_II_96.43mm           23:00      1.157
50yr_24hr_SCS_Type_II_96.43mm           23:15      1.157
50yr_24hr_SCS_Type_II_96.43mm           23:30      1.157
50yr_24hr_SCS_Type_II_96.43mm           23:45      1.157

;SCS_Type II_65.3mm design storm, total rainfall = 65.3 mm, rain interval = 15
minutes, rain units = mm/hr   rain units = mm/hr
```

5yr_24hr_SCS_Type_II_65.3mm	0:00	0.718
5yr_24hr_SCS_Type_II_65.3mm	0:15	0.718
5yr_24hr_SCS_Type_II_65.3mm	0:30	0.718
5yr_24hr_SCS_Type_II_65.3mm	0:45	0.718
5yr_24hr_SCS_Type_II_65.3mm	1:00	0.718
5yr_24hr_SCS_Type_II_65.3mm	1:15	0.718
5yr_24hr_SCS_Type_II_65.3mm	1:30	0.718
5yr_24hr_SCS_Type_II_65.3mm	1:45	0.718
5yr_24hr_SCS_Type_II_65.3mm	2:00	0.849
5yr_24hr_SCS_Type_II_65.3mm	2:15	0.849
5yr_24hr_SCS_Type_II_65.3mm	2:30	0.849
5yr_24hr_SCS_Type_II_65.3mm	2:45	0.849
5yr_24hr_SCS_Type_II_65.3mm	3:00	0.849
5yr_24hr_SCS_Type_II_65.3mm	3:15	0.849
5yr_24hr_SCS_Type_II_65.3mm	3:30	0.849
5yr_24hr_SCS_Type_II_65.3mm	3:45	0.849
5yr_24hr_SCS_Type_II_65.3mm	4:00	1.045
5yr_24hr_SCS_Type_II_65.3mm	4:15	1.045
5yr_24hr_SCS_Type_II_65.3mm	4:30	1.045
5yr_24hr_SCS_Type_II_65.3mm	4:45	1.045
5yr_24hr_SCS_Type_II_65.3mm	5:00	1.045
5yr_24hr_SCS_Type_II_65.3mm	5:15	1.045
5yr_24hr_SCS_Type_II_65.3mm	5:30	1.045
5yr_24hr_SCS_Type_II_65.3mm	5:45	1.045
5yr_24hr_SCS_Type_II_65.3mm	6:00	1.175
5yr_24hr_SCS_Type_II_65.3mm	6:15	1.175
5yr_24hr_SCS_Type_II_65.3mm	6:30	1.175
5yr_24hr_SCS_Type_II_65.3mm	6:45	1.175
5yr_24hr_SCS_Type_II_65.3mm	7:00	1.437
5yr_24hr_SCS_Type_II_65.3mm	7:15	1.437
5yr_24hr_SCS_Type_II_65.3mm	7:30	1.437
5yr_24hr_SCS_Type_II_65.3mm	7:45	1.437
5yr_24hr_SCS_Type_II_65.3mm	8:00	1.698
5yr_24hr_SCS_Type_II_65.3mm	8:15	1.698
5yr_24hr_SCS_Type_II_65.3mm	8:30	1.828
5yr_24hr_SCS_Type_II_65.3mm	8:45	1.828
5yr_24hr_SCS_Type_II_65.3mm	9:00	2.09
5yr_24hr_SCS_Type_II_65.3mm	9:15	2.09
5yr_24hr_SCS_Type_II_65.3mm	9:30	2.351
5yr_24hr_SCS_Type_II_65.3mm	9:45	2.351
5yr_24hr_SCS_Type_II_65.3mm	10:00	3.004
5yr_24hr_SCS_Type_II_65.3mm	10:15	3.004
5yr_24hr_SCS_Type_II_65.3mm	10:30	4.049
5yr_24hr_SCS_Type_II_65.3mm	10:45	4.049
5yr_24hr_SCS_Type_II_65.3mm	11:00	6.269
5yr_24hr_SCS_Type_II_65.3mm	11:15	6.269
5yr_24hr_SCS_Type_II_65.3mm	11:30	19.329
5yr_24hr_SCS_Type_II_65.3mm	11:45	79.927
5yr_24hr_SCS_Type_II_65.3mm	12:00	9.403
5yr_24hr_SCS_Type_II_65.3mm	12:15	9.403
5yr_24hr_SCS_Type_II_65.3mm	12:30	4.832
5yr_24hr_SCS_Type_II_65.3mm	12:45	4.832
5yr_24hr_SCS_Type_II_65.3mm	13:00	3.526
5yr_24hr_SCS_Type_II_65.3mm	13:15	3.526
5yr_24hr_SCS_Type_II_65.3mm	13:30	2.743
5yr_24hr_SCS_Type_II_65.3mm	13:45	2.743
5yr_24hr_SCS_Type_II_65.3mm	14:00	1.959

```
5yr_24hr_SCS_Type_II_65.3mm            14:15      1.959
5yr_24hr_SCS_Type_II_65.3mm            14:30      1.959
5yr_24hr_SCS_Type_II_65.3mm            14:45      1.959
5yr_24hr_SCS_Type_II_65.3mm            15:00      1.959
5yr_24hr_SCS_Type_II_65.3mm            15:15      1.959
5yr_24hr_SCS_Type_II_65.3mm            15:30      1.959
5yr_24hr_SCS_Type_II_65.3mm            15:45      1.959
5yr_24hr_SCS_Type_II_65.3mm            16:00      1.175
5yr_24hr_SCS_Type_II_65.3mm            16:15      1.175
5yr_24hr_SCS_Type_II_65.3mm            16:30      1.175
5yr_24hr_SCS_Type_II_65.3mm            16:45      1.175
5yr_24hr_SCS_Type_II_65.3mm            17:00      1.175
5yr_24hr_SCS_Type_II_65.3mm            17:15      1.175
5yr_24hr_SCS_Type_II_65.3mm            17:30      1.175
5yr_24hr_SCS_Type_II_65.3mm            17:45      1.175
5yr_24hr_SCS_Type_II_65.3mm            18:00      1.175
5yr_24hr_SCS_Type_II_65.3mm            18:15      1.175
5yr_24hr_SCS_Type_II_65.3mm            18:30      1.175
5yr_24hr_SCS_Type_II_65.3mm            18:45      1.175
5yr_24hr_SCS_Type_II_65.3mm            19:00      1.175
5yr_24hr_SCS_Type_II_65.3mm            19:15      1.175
5yr_24hr_SCS_Type_II_65.3mm            19:30      1.175
5yr_24hr_SCS_Type_II_65.3mm            19:45      1.175
5yr_24hr_SCS_Type_II_65.3mm            20:00      0.784
5yr_24hr_SCS_Type_II_65.3mm            20:15      0.784
5yr_24hr_SCS_Type_II_65.3mm            20:30      0.784
5yr_24hr_SCS_Type_II_65.3mm            20:45      0.784
5yr_24hr_SCS_Type_II_65.3mm            21:00      0.784
5yr_24hr_SCS_Type_II_65.3mm            21:15      0.784
5yr_24hr_SCS_Type_II_65.3mm            21:30      0.784
5yr_24hr_SCS_Type_II_65.3mm            21:45      0.784
5yr_24hr_SCS_Type_II_65.3mm            22:00      0.784
5yr_24hr_SCS_Type_II_65.3mm            22:15      0.784
5yr_24hr_SCS_Type_II_65.3mm            22:30      0.784
5yr_24hr_SCS_Type_II_65.3mm            22:45      0.784
5yr_24hr_SCS_Type_II_65.3mm            23:00      0.784
5yr_24hr_SCS_Type_II_65.3mm            23:15      0.784
5yr_24hr_SCS_Type_II_65.3mm            23:30      0.784
5yr_24hr_SCS_Type_II_65.3mm            23:45      0.784

;SCS_Type II_105.53mm design storm, total rainfall = 105.53 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
SCS_Type_II_100YR_24HR_105.53mm_15min          0:00       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          0:15       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          0:30       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          0:45       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          1:00       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          1:15       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          1:30       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          1:45       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          2:00       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min          2:15       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min          2:30       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min          2:45       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min          3:00       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min          3:15       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min          3:30       1.372
```

SCS_Type_II_100YR_24HR_105.53mm_15min	3:45	1.372
SCS_Type_II_100YR_24HR_105.53mm_15min	4:00	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	4:15	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	4:30	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	4:45	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	5:00	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	5:15	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	5:30	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	5:45	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	6:00	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	6:15	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	6:30	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	6:45	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	7:00	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	7:15	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	7:30	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	7:45	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	8:00	2.744
SCS_Type_II_100YR_24HR_105.53mm_15min	8:15	2.744
SCS_Type_II_100YR_24HR_105.53mm_15min	8:30	2.955
SCS_Type_II_100YR_24HR_105.53mm_15min	8:45	2.955
SCS_Type_II_100YR_24HR_105.53mm_15min	9:00	3.377
SCS_Type_II_100YR_24HR_105.53mm_15min	9:15	3.377
SCS_Type_II_100YR_24HR_105.53mm_15min	9:30	3.799
SCS_Type_II_100YR_24HR_105.53mm_15min	9:45	3.799
SCS_Type_II_100YR_24HR_105.53mm_15min	10:00	4.854
SCS_Type_II_100YR_24HR_105.53mm_15min	10:15	4.854
SCS_Type_II_100YR_24HR_105.53mm_15min	10:30	6.543
SCS_Type_II_100YR_24HR_105.53mm_15min	10:45	6.543
SCS_Type_II_100YR_24HR_105.53mm_15min	11:00	10.131
SCS_Type_II_100YR_24HR_105.53mm_15min	11:15	10.131
SCS_Type_II_100YR_24HR_105.53mm_15min	11:30	31.237
SCS_Type_II_100YR_24HR_105.53mm_15min	11:45	129.169
SCS_Type_II_100YR_24HR_105.53mm_15min	12:00	15.196
SCS_Type_II_100YR_24HR_105.53mm_15min	12:15	15.196
SCS_Type_II_100YR_24HR_105.53mm_15min	12:30	7.809
SCS_Type_II_100YR_24HR_105.53mm_15min	12:45	7.809
SCS_Type_II_100YR_24HR_105.53mm_15min	13:00	5.699
SCS_Type_II_100YR_24HR_105.53mm_15min	13:15	5.699
SCS_Type_II_100YR_24HR_105.53mm_15min	13:30	4.432
SCS_Type_II_100YR_24HR_105.53mm_15min	13:45	4.432
SCS_Type_II_100YR_24HR_105.53mm_15min	14:00	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	14:15	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	14:30	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	14:45	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:00	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:15	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:30	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:45	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	16:00	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	16:15	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	16:30	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	16:45	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	17:00	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	17:15	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	17:30	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	17:45	1.9

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SCS_Type_II_100YR_24HR_105.53mm_15min            18:00      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            18:15      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            18:30      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            18:45      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            19:00      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            19:15      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            19:30      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            19:45      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            20:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            20:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            20:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            20:45      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:45      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:45      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:45      1.266

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

[TAGS]
Subcatch   CA-1             Developed
Subcatch   CA-2             Developed
Subcatch   CA-3             Developed
Subcatch   CA-4             Undeveloped
Subcatch   CA-5             Undeveloped
Subcatch   CA-6             Undeveloped
Subcatch   CA-7             Undeveloped
Subcatch   CA-8             Undeveloped
Subcatch   CA-9             Undeveloped
Subcatch   EX-1             External
Subcatch   EX-2             External
Subcatch   EX-3             External
Subcatch   EX-4             External

[MAP]
DIMENSIONS       405531.2856      4973538.49145    409373.1544      4975882.16355
UNITS            Meters

[COORDINATES]
;;Node           X-Coord            Y-Coord
;;-------------- ------------------ ------------------
J_Dummy          409188.524         4975553.026
OF-1             406202.75          4974136.759
```

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OF-2             406558.27          4973829.244
OF-3             407547.737         4973711.917
OF-4             405839.152         4974539.302
OF-5             405705.916         4974693.25

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

[POLYGONS]
;;Subcatchment   X-Coord            Y-Coord
;;-------------- ------------------ ------------------
CA-1             406591.577         4974136.955
CA-1             406584.522         4974136.684
CA-1             406477.401         4974266
CA-1             406488             4974266
CA-1             406488             4974265.5
CA-1             406488.5           4974265.5
CA-1             406488.5           4974265
CA-1             406489             4974265
CA-1             406489             4974264.5
CA-1             406489.5           4974264.5
CA-1             406489.5           4974264
CA-1             406490             4974264
CA-1             406490             4974263.5
CA-1             406490.5           4974263.5
CA-1             406490.5           4974263
CA-1             406491             4974263
CA-1             406491             4974262.5
CA-1             406491.5           4974262.5
CA-1             406491.5           4974262
CA-1             406492             4974262
CA-1             406492             4974261.5
CA-1             406492.5           4974261.5
CA-1             406492.5           4974261
CA-1             406493             4974261
CA-1             406493             4974260.5
CA-1             406493.5           4974260.5
CA-1             406493.5           4974260
CA-1             406494             4974260
CA-1             406494             4974259.5
CA-1             406494.5           4974259.5
CA-1             406494.5           4974259
CA-1             406495             4974259
CA-1             406495             4974258.5
CA-1             406495.5           4974258.5
CA-1             406495.5           4974257.5
CA-1             406496             4974257.5
CA-1             406496             4974259
CA-1             406496.5           4974259
CA-1             406496.5           4974260
CA-1             406497             4974260
CA-1             406497             4974261
CA-1             406497.5           4974261
CA-1             406497.5           4974262
CA-1             406498             4974262
CA-1             406498             4974262.5
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CA-1	406498.5	4974262.5
CA-1	406498.5	4974263
CA-1	406499	4974263
CA-1	406499	4974264
CA-1	406499.5	4974264
CA-1	406499.5	4974264.5
CA-1	406500	4974264.5
CA-1	406500	4974265
CA-1	406500.5	4974265
CA-1	406500.5	4974265.5
CA-1	406501	4974265.5
CA-1	406501	4974266
CA-1	406501.5	4974266
CA-1	406501.5	4974266.5
CA-1	406502	4974266.5
CA-1	406502	4974267
CA-1	406503	4974267
CA-1	406503	4974267.5
CA-1	406503.5	4974267.5
CA-1	406503.5	4974268
CA-1	406505	4974268
CA-1	406505	4974268.5
CA-1	406506.5	4974268.5
CA-1	406506.5	4974269
CA-1	406519	4974269
CA-1	406519	4974268.5
CA-1	406519.5	4974268.5
CA-1	406519.5	4974268
CA-1	406520	4974268
CA-1	406520	4974267.5
CA-1	406520.5	4974267.5
CA-1	406520.5	4974267
CA-1	406521	4974267
CA-1	406521	4974252
CA-1	406521.5	4974252
CA-1	406521.5	4974249.5
CA-1	406522	4974249.5
CA-1	406522	4974247.5
CA-1	406522.5	4974247.5
CA-1	406522.5	4974246
CA-1	406523	4974246
CA-1	406523	4974244
CA-1	406523.5	4974244
CA-1	406523.5	4974242.5
CA-1	406524	4974242.5
CA-1	406524	4974241
CA-1	406524.5	4974241
CA-1	406524.5	4974239.5
CA-1	406525	4974239.5
CA-1	406525	4974238
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EX-1	407364.07	4974828.07
EX-1	407365.194	4974825.694
EX-1	407368.279	4974821.79
EX-1	407367.367	4974818.812
EX-1	407369.8	4974815.972
EX-1	407369.835	4974811.28
EX-1	407371.495	4974811.006
EX-1	407374.973	4974811.472
EX-1	407377.559	4974810.613
EX-1	407378.87	4974810.698
EX-1	407379.784	4974809.784
EX-1	407380.506	4974806.732
EX-1	407383.942	4974808.886
EX-1	407385.887	4974808.387
EX-1	407386.93	4974806.93
EX-1	407389.365	4974805.865
EX-1	407396.022	4974797.022
EX-1	407402.748	4974789.748
EX-1	407409.747	4974780.747
EX-1	407412.962	4974778.473
EX-1	407414.902	4974774.902
EX-1	407421.978	4974766.978
EX-1	407426.247	4974761.247

EX-1	407432.076	4974755.576
EX-1	407435.397	4974750.397
EX-1	407440.72	4974743.73
EX-1	407440.092	4974740.091
EX-1	407441.56	4974737.505
EX-1	407442.773	4974736.5
EX-1	407441.302	4974733.629
EX-1	407442.914	4974730.914
EX-1	407444.344	4974726.844
EX-1	407445.961	4974724.973
EX-1	407445.72	4974723.78
EX-1	407443.425	4974722.575
EX-1	407442.867	4974721.688
EX-1	407443.592	4974716.897
EX-1	407441.307	4974713.693
EX-1	407439.79	4974712.721
EX-1	407437.744	4974712.301
EX-1	407439.027	4974709.527
EX-1	407441.37	4974707.37
EX-1	407442.297	4974705.808
EX-1	407443.87	4974705.698
EX-1	407445.312	4974704.812
EX-1	407447.274	4974702.774
EX-1	407451.027	4974700.199
EX-1	407452.973	4974701.027
EX-1	407454.722	4974704.779
EX-1	407459.022	4974705.467
EX-1	407460.656	4974705.156
EX-1	407462.972	4974702.972
EX-1	407464.006	4974700.561
EX-1	407465.58	4974700.069
EX-1	407466.903	4974698.404
EX-1	407473.311	4974698.256
EX-1	407476.075	4974695.575
EX-1	407477.881	4974691.437
EX-1	407477.596	4974690.403
EX-1	407476.2	4974688.972
EX-1	407476.592	4974687.592
EX-1	407478.193	4974686.693
EX-1	407480.189	4974682.189
EX-1	407482.472	4974679.972
EX-1	407483.527	4974678.038
EX-1	407485	4974678.011
EX-1	407490.006	4974680.822
EX-1	407492.064	4974680.075
EX-1	407492.414	4974676.086
EX-1	407490.586	4974671.414
EX-1	407490.011	4974666
EX-1	407490.386	4974663.559
EX-1	407489.36	4974661.812
EX-1	407489.318	4974660.694
EX-1	407489.393	4974660.221
EX-1	407491.278	4974659.779
EX-1	407491.822	4974658.994
EX-1	407491.436	4974655.925
EX-1	407494.247	4974654.747
EX-1	407496.128	4974651.807

EX-1	407490.785	4974646.727
EX-1	407488.108	4974647.38
EX-1	407486.725	4974645.775
EX-1	407483.774	4974644.226
EX-1	407482.743	4974642.812
EX-1	407482.909	4974640.581
EX-1	407482.07	4974637.93
EX-1	407477.635	4974636.365
EX-1	407475.716	4974633.784
EX-1	407474.87	4974631.63
EX-1	407473.097	4974629.903
EX-1	407470.903	4974629.097
EX-1	407467.398	4974626.102
EX-1	407465.33	4974623.397
EX-1	407467.059	4974622.124
EX-1	407468.521	4974622.795
EX-1	407469.081	4974622.569
EX-1	407469.751	4974620.694
EX-1	407465.796	4974617.704
EX-1	407465.35	4974616.715
EX-1	407468.075	4974613.576
EX-1	407468.38	4974612.564
EX-1	407466.816	4974610.855
EX-1	407465.903	4974610.542
EX-1	407465.279	4974608.221
EX-1	407463.113	4974605.887
EX-1	407462.619	4974603.064
EX-1	407463.778	4974601.289
EX-1	407463.574	4974599.925
EX-1	407459.21	4974597.845
EX-1	407456.909	4974598.909
EX-1	407454.307	4974598.693
EX-1	407453.597	4974596.903
EX-1	407450.587	4974593.914
EX-1	407450.387	4974590.113
EX-1	407448.103	4974587.397
EX-1	407445.334	4974585.722
EX-1	407441.006	4974587.322
EX-1	407440.065	4974586.436
EX-1	407439.564	4974583.925
EX-1	407432.125	4974580.864
EX-1	407411.403	4974559.597
EX-1	407410.716	4974557.339
EX-1	407410.778	4974555.211
EX-1	407406.931	4974552.57
EX-1	407406.779	4974550.167
EX-1	407405.602	4974548.398
EX-1	407403.726	4974546.786
EX-1	407402.774	4974546.786
EX-1	407401.221	4974548.721
EX-1	407399.779	4974549.279
EX-1	407397.403	4974551.28
EX-1	407396.472	4974552.79
EX-1	407393.226	4974549.775
EX-1	407391.721	4974549.722
EX-1	407391.092	4974550.592
EX-1	407390.575	4974553.563

```
EX-1             407390.022         4974553.794
EX-1             407388.785         4974552.727
EX-1             407387.802         4974552.812
EX-1             407386.495         4974556.995
EX-1             407385.312         4974558.628
EX-1             407384.897         4974558.537
EX-1             407382.575         4974554.925
EX-1             407378.425         4974552.575
EX-1             407377.226         4974550.774
EX-1             407375.731         4974549.769
EX-1             407374.135         4974549.307
EX-1             407372.978         4974550.295
EX-1             407370.775         4974549.226
EX-1             407370.308         4974548.135
EX-1             407371.881         4974546.882
EX-1             407371.784         4974545.216
EX-1             407368.431         4974542.08
EX-1             407368.381         4974539.608
EX-1             407365.807         4974537.365
EX-1             407365.859         4974536.086
EX-1             407364.721         4974534.779
EX-1             407363.575         4974531.425
EX-1             407360.79          4974529.71
EX-1             407356.215         4974528.113
EX-1             407355.698         4974527.301
EX-1             407354.302         4974526.698
EX-1             407353.097         4974524.903
EX-1             407351.302         4974524.198
EX-1             407348.28          4974520.73
EX-1             407348.403         4974519.402
EX-1             407361.097         4974504.597
EX-1             407361.467         4974503.478
EX-1             407361.097         4974501.903
EX-1             407358.603         4974498.397
EX-1             407353.902         4974493.598
EX-1             407353.189         4974491.811
EX-1             407352.972         4974475.528
EX-1             407352.597         4974474.403
EX-1             407349.705         4974471.109
EX-1             407165.956         4974692.539
EX-1             406927.158         4974980.924
EX-1             406627.029         4975344.123
......
Too many subcatchment entities (13 in total).

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

PCSWMM Existing Conditions Model - 1:2 Year 2 Hour Chicago Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                      Data       Recording
  Name                 Data Source                    Type       Interval
  ------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56      0.00    2.2600 2yr_Chicago_2h
OF-2
  CA-2                        26.09    401.42      0.00    0.8500 2yr_Chicago_2h
OF-1
  CA-3                         3.42    136.98      0.00    1.7820 2yr_Chicago_2h
OF-1
  CA-4                        49.75    284.28      0.00    2.0000 2yr_Chicago_2h
OF-2
  CA-5                        22.94    902.67      0.00    2.0000 2yr_Chicago_2h
OF-3
  CA-6                         5.07    337.85      0.00    2.0000 2yr_Chicago_2h
OF-1
  CA-7                        11.56    385.26      0.00    1.5000 2yr_Chicago_2h
OF-4
  CA-8                         1.63    108.91      0.00    1.0000 2yr_Chicago_2h
OF-5
  CA-9                         5.67    141.63      0.00    2.0000 2yr_Chicago_2h
OF-5
  EX-1                        25.12    279.07      0.00    1.0000 2yr_Chicago_2h
OF-2
```

```
  EX-2                      15.71    241.65      0.00    1.0000 2yr_Chicago_2h
OF-5
  EX-3                       1.20    120.37      0.00    2.0000 2yr_Chicago_2h
OF-5
  EX-4                       1.72    143.65      0.00    1.5000 2yr_Chicago_2h
OF-5


  ************
  Node Summary
  ************
                                          Invert      Max.    Ponded    External
  Name                 Type                Elev.     Depth      Area    Inflow
  ---------------------------------------------------------------------------
  J_Dummy              JUNCTION            1.00      1.00       0.0
  OF-1                 OUTFALL           134.84      0.00       0.0
  OF-2                 OUTFALL             0.00      0.00       0.0
  OF-3                 OUTFALL           133.92      0.00       0.0
  OF-4                 OUTFALL           133.99      0.00       0.0
  OF-5                 OUTFALL           133.99      0.00       0.0


  ****************
  Transect Summary
  ****************

  Transect 3
  Area:
              0.0004    0.0014    0.0028    0.0045    0.0067
              0.0093    0.0122    0.0155    0.0191    0.0228
              0.0267    0.0309    0.0354    0.0402    0.0453
              0.0507    0.0564    0.0623    0.0685    0.0748
              0.0814    0.0883    0.0954    0.1030    0.1123
              0.1257    0.1418    0.1604    0.1864    0.2166
              0.2472    0.2782    0.3096    0.3415    0.3745
              0.4099    0.4466    0.4841    0.5219    0.5610
              0.6010    0.6416    0.6827    0.7242    0.7670
              0.8117    0.8571    0.9034    0.9511    1.0000
  Hrad:
              0.0282    0.0605    0.0901    0.1160    0.1383
              0.1640    0.1924    0.2246    0.2593    0.2934
              0.3249    0.3547    0.3763    0.3976    0.4236
              0.4513    0.4804    0.5094    0.5390    0.5685
              0.5965    0.6225    0.6436    0.6476    0.6408
              0.6242    0.6080    0.5923    0.3098    0.3537
              0.3982    0.4428    0.4867    0.5236    0.5521
              0.5601    0.5973    0.6386    0.6790    0.7029
              0.7409    0.7798    0.8208    0.8608    0.8623
              0.8950    0.9291    0.9584    0.9754    1.0000
  Width:
              0.0154    0.0231    0.0302    0.0379    0.0469
              0.0549    0.0619    0.0672    0.0714    0.0754
              0.0798    0.0845    0.0911    0.0980    0.1037
              0.1089    0.1137    0.1185    0.1230    0.1274
              0.1321    0.1372    0.1434    0.1539    0.2286
              0.2940    0.3355    0.4032    0.5871    0.5974
              0.6056    0.6131    0.6206    0.6363    0.6619
```

0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494
0.1627 0.1765 0.1907 0.2055 0.2210
0.2371 0.2536 0.2710 0.2896 0.3093
0.3311 0.3546 0.3796 0.4059 0.4339
0.4629 0.4931 0.5242 0.5566 0.5907
0.6263 0.6635 0.7024 0.7431 0.7845
0.8263 0.8687 0.9117 0.9555 1.0000
Hrad:
0.0249 0.0481 0.0682 0.0921 0.1224
0.1531 0.1775 0.1996 0.2259 0.2539
0.2841 0.3125 0.3374 0.3595 0.3818
0.4078 0.4356 0.4616 0.4873 0.5113
0.5357 0.5618 0.5858 0.6032 0.6237

```
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Surcharge Method ......... EXTRAN
Starting Date ............ 07/15/2026 00:00:00
Ending Date .............. 07/16/2026 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......         0.221         1.262
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         0.218         1.247
Surface Runoff ...........         0.000         0.000
Final Storage ............         0.003         0.015
Continuity Error (%) .....         0.000


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         0.000         0.000
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
```

External Inflow	0.000	0.000
External Outflow	0.000	0.000
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	1.26	0.00	0.00	1.25	0.00	0.00	0.00	0.00	0.00	0.000
CA-2	1.26	0.00	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.000
CA-3	1.26	0.00	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.000
CA-4	1.26	0.00	0.00	1.25	0.00	0.00	0.00	0.00	0.00	0.000
CA-5	1.26	0.00	0.00	1.25	0.00	0.00	0.00	0.00	0.00	0.000
CA-6	1.26	0.00	0.00	1.25	0.00	0.00	0.00	0.00	0.00	0.000
CA-7	1.26	0.00	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.000
CA-8	1.26	0.00	0.00	1.25	0.00	0.00	0.00	0.00	0.00	0.000
CA-9	1.26	0.00	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.000
EX-1	1.26	0.00	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.000
EX-2	1.26	0.00	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.000
EX-3	1.26	0.00	0.00	1.25	0.00	0.00	0.00	0.00	0.00	0.000
EX-4	1.26	0.00	0.00	1.24	0.00	0.00	0.00	0.00	0.00	0.000

Analysis begun on: Fri Nov 6 15:07:23 2026
Analysis ended on: Fri Nov 6 15:07:24 2026
Total elapsed time: 00:00:01

PCSWMM Existing Conditions Model - 1:2 Year 24 Hour SCS Type II Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                      Data       Recording
  Name                 Data Source                    Type       Interval
  ------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56      0.00    2.2600
2yr_24hr_SCS_Type_II_50.71mm OF-2
  CA-2                        26.09    401.42      0.00    0.8500
2yr_24hr_SCS_Type_II_50.71mm OF-1
  CA-3                         3.42    136.98      0.00    1.7820
2yr_24hr_SCS_Type_II_50.71mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
2yr_24hr_SCS_Type_II_50.71mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
2yr_24hr_SCS_Type_II_50.71mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
2yr_24hr_SCS_Type_II_50.71mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
2yr_24hr_SCS_Type_II_50.71mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
2yr_24hr_SCS_Type_II_50.71mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
2yr_24hr_SCS_Type_II_50.71mm OF-5
  EX-1                        25.12    279.07      0.00    1.0000
2yr_24hr_SCS_Type_II_50.71mm OF-2
```

EX-2	15.71	241.65	0.00	1.0000	
2yr_24hr_SCS_Type_II_50.71mm	OF-5				
EX-3	1.20	120.37	0.00	2.0000	
2yr_24hr_SCS_Type_II_50.71mm	OF-5				
EX-4	1.72	143.65	0.00	1.5000	
2yr_24hr_SCS_Type_II_50.71mm	OF-5				

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670
0.8117	0.8571	0.9034	0.9511	1.0000

Hrad:

0.0282	0.0605	0.0901	0.1160	0.1383
0.1640	0.1924	0.2246	0.2593	0.2934
0.3249	0.3547	0.3763	0.3976	0.4236
0.4513	0.4804	0.5094	0.5390	0.5685
0.5965	0.6225	0.6436	0.6476	0.6408
0.6242	0.6080	0.5923	0.3098	0.3537
0.3982	0.4428	0.4867	0.5236	0.5521
0.5601	0.5973	0.6386	0.6790	0.7029
0.7409	0.7798	0.8208	0.8608	0.8623
0.8950	0.9291	0.9584	0.9754	1.0000

Width:

0.0154	0.0231	0.0302	0.0379	0.0469
0.0549	0.0619	0.0672	0.0714	0.0754
0.0798	0.0845	0.0911	0.0980	0.1037
0.1089	0.1137	0.1185	0.1230	0.1274
0.1321	0.1372	0.1434	0.1539	0.2286
0.2940	0.3355	0.4032	0.5871	0.5974
0.6056	0.6131	0.6206	0.6363	0.6619

0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494
0.1627 0.1765 0.1907 0.2055 0.2210
0.2371 0.2536 0.2710 0.2896 0.3093
0.3311 0.3546 0.3796 0.4059 0.4339
0.4629 0.4931 0.5242 0.5566 0.5907
0.6263 0.6635 0.7024 0.7431 0.7845
0.8263 0.8687 0.9117 0.9555 1.0000
Hrad:
0.0249 0.0481 0.0682 0.0921 0.1224
0.1531 0.1775 0.1996 0.2259 0.2539
0.2841 0.3125 0.3374 0.3595 0.3818
0.4078 0.4356 0.4616 0.4873 0.5113
0.5357 0.5618 0.5858 0.6032 0.6237

```
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Surcharge Method ......... EXTRAN
Starting Date ............ 07/15/2026 00:00:00
Ending Date .............. 07/16/2026 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......         8.877        50.712
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         5.976        34.139
Surface Runoff ...........         0.946         5.403
Final Storage ............         1.958        11.188
Continuity Error (%) .....        -0.035


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         0.943         9.430
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
```

External Inflow	0.000	0.000
External Outflow	0.943	9.430
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	50.71	0.00	0.00	36.99	0.00	3.93	3.93	0.20	0.01	0.078
CA-2	50.71	0.00	0.00	31.72	0.00	7.53	7.53	1.96	0.05	0.148
CA-3	50.71	0.00	0.00	31.72	0.00	11.18	11.18	0.38	0.02	0.220
CA-4	50.71	0.00	0.00	34.60	0.00	3.01	3.01	1.50	0.04	0.059
CA-5	50.71	0.00	0.00	40.76	0.00	0.39	0.39	0.09	0.01	0.008
CA-6	50.71	0.00	0.00	34.60	0.00	8.18	8.18	0.41	0.02	0.161
CA-7	50.71	0.00	0.00	32.34	0.00	9.66	9.66	1.12	0.04	0.190
CA-8	50.71	0.00	0.00	36.08	0.00	5.84	5.84	0.10	0.00	0.115
CA-9	50.71	0.00	0.00	32.34	0.00	9.41	9.41	0.53	0.02	0.186
EX-1	50.71	0.00	0.00	32.34	0.00	6.15	6.15	1.54	0.04	0.121
EX-2	50.71	0.00	0.00	31.72	0.00	7.83	7.83	1.23	0.03	0.154
EX-3	50.71	0.00	0.00	32.93	0.00	10.96	10.96	0.13	0.01	0.216
EX-4	50.71	0.00	0.00	29.69	0.00	14.64	14.64	0.25	0.02	0.289

Analysis begun on: Fri Nov 6 15:13:27 2026
Analysis ended on: Fri Nov 6 15:13:27 2026
Total elapsed time: < 1 sec

PCSWMM Existing Conditions Model - 1:5 Year 24 Hour SCS Type II Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                      Data       Recording
  Name                 Data Source                    Type       Interval
  ------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56      0.00    2.2600
5yr_24hr_SCS_Type_II_65.3mm OF-2
  CA-2                        26.09    401.42      0.00    0.8500
5yr_24hr_SCS_Type_II_65.3mm OF-1
  CA-3                         3.42    136.98      0.00    1.7820
5yr_24hr_SCS_Type_II_65.3mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
5yr_24hr_SCS_Type_II_65.3mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
5yr_24hr_SCS_Type_II_65.3mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
5yr_24hr_SCS_Type_II_65.3mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
5yr_24hr_SCS_Type_II_65.3mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
5yr_24hr_SCS_Type_II_65.3mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
5yr_24hr_SCS_Type_II_65.3mm OF-5
  EX-1                        25.12    279.07      0.00    1.0000
5yr_24hr_SCS_Type_II_65.3mm OF-2
```

```
  EX-2                       15.71    241.65      0.00    1.0000
5yr_24hr_SCS_Type_II_65.3mm OF-5
  EX-3                        1.20    120.37      0.00    2.0000
5yr_24hr_SCS_Type_II_65.3mm OF-5
  EX-4                        1.72    143.65      0.00    1.5000
5yr_24hr_SCS_Type_II_65.3mm OF-5


  ************
  Node Summary
  ************
                                          Invert      Max.    Ponded    External
  Name                 Type                Elev.     Depth      Area    Inflow
  ----------------------------------------------------------------------------
  J_Dummy              JUNCTION            1.00      1.00       0.0
  OF-1                 OUTFALL           134.84      0.00       0.0
  OF-2                 OUTFALL             0.00      0.00       0.0
  OF-3                 OUTFALL           133.92      0.00       0.0
  OF-4                 OUTFALL           133.99      0.00       0.0
  OF-5                 OUTFALL           133.99      0.00       0.0


  ****************
  Transect Summary
  ****************

  Transect 3
  Area:
              0.0004     0.0014     0.0028     0.0045     0.0067
              0.0093     0.0122     0.0155     0.0191     0.0228
              0.0267     0.0309     0.0354     0.0402     0.0453
              0.0507     0.0564     0.0623     0.0685     0.0748
              0.0814     0.0883     0.0954     0.1030     0.1123
              0.1257     0.1418     0.1604     0.1864     0.2166
              0.2472     0.2782     0.3096     0.3415     0.3745
              0.4099     0.4466     0.4841     0.5219     0.5610
              0.6010     0.6416     0.6827     0.7242     0.7670
              0.8117     0.8571     0.9034     0.9511     1.0000
  Hrad:
              0.0282     0.0605     0.0901     0.1160     0.1383
              0.1640     0.1924     0.2246     0.2593     0.2934
              0.3249     0.3547     0.3763     0.3976     0.4236
              0.4513     0.4804     0.5094     0.5390     0.5685
              0.5965     0.6225     0.6436     0.6476     0.6408
              0.6242     0.6080     0.5923     0.3098     0.3537
              0.3982     0.4428     0.4867     0.5236     0.5521
              0.5601     0.5973     0.6386     0.6790     0.7029
              0.7409     0.7798     0.8208     0.8608     0.8623
              0.8950     0.9291     0.9584     0.9754     1.0000
  Width:
              0.0154     0.0231     0.0302     0.0379     0.0469
              0.0549     0.0619     0.0672     0.0714     0.0754
              0.0798     0.0845     0.0911     0.0980     0.1037
              0.1089     0.1137     0.1185     0.1230     0.1274
              0.1321     0.1372     0.1434     0.1539     0.2286
              0.2940     0.3355     0.4032     0.5871     0.5974
              0.6056     0.6131     0.6206     0.6363     0.6619
```

0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494
0.1627 0.1765 0.1907 0.2055 0.2210
0.2371 0.2536 0.2710 0.2896 0.3093
0.3311 0.3546 0.3796 0.4059 0.4339
0.4629 0.4931 0.5242 0.5566 0.5907
0.6263 0.6635 0.7024 0.7431 0.7845
0.8263 0.8687 0.9117 0.9555 1.0000
Hrad:
0.0249 0.0481 0.0682 0.0921 0.1224
0.1531 0.1775 0.1996 0.2259 0.2539
0.2841 0.3125 0.3374 0.3595 0.3818
0.4078 0.4356 0.4616 0.4873 0.5113
0.5357 0.5618 0.5858 0.6032 0.6237

```
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......        11.431        65.300
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         7.045        40.245
Surface Runoff ...........         2.045        11.680
Final Storage ............         2.347        13.408
Continuity Error (%) .....        -0.048


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         2.040        20.396
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
```

External Inflow	0.000
External Outflow	2.040
Flooding Loss	0.000
Evaporation Loss	0.000
Exfiltration Loss	0.000
Initial Stored Volume	0.000
Final Stored Volume	0.000
Continuity Error (%)	0.000

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	65.30	0.00	0.00	44.20	0.00	10.24	10.24	0.53	0.02	0.157
CA-2	65.30	0.00	0.00	36.87	0.00	15.11	15.11	3.94	0.12	0.231
CA-3	65.30	0.00	0.00	36.87	0.00	20.08	20.08	0.69	0.04	0.308
CA-4	65.30	0.00	0.00	40.82	0.00	7.67	7.67	3.81	0.10	0.117
CA-5	65.30	0.00	0.00	49.69	0.00	4.27	4.27	0.98	0.03	0.065
CA-6	65.30	0.00	0.00	40.82	0.00	16.12	16.12	0.82	0.05	0.247
CA-7	65.30	0.00	0.00	37.71	0.00	18.16	18.16	2.10	0.10	0.278
CA-8	65.30	0.00	0.00	42.91	0.00	12.99	12.99	0.21	0.01	0.199
CA-9	65.30	0.00	0.00	37.71	0.00	17.82	17.82	1.01	0.04	0.273
EX-1	65.30	0.00	0.00	37.71	0.00	12.96	12.96	3.25	0.09	0.198
EX-2	65.30	0.00	0.00	36.87	0.00	15.55	15.55	2.44	0.08	0.238
EX-3	65.30	0.00	0.00	38.52	0.00	19.68	19.68	0.24	0.02	0.301
EX-4	65.30	0.00	0.00	34.16	0.00	24.45	24.45	0.42	0.05	0.374

Analysis begun on: Fri Nov 6 15:19:57 2026
Analysis ended on: Fri Nov 6 15:19:57 2026
Total elapsed time: < 1 sec

PCSWMM Existing Conditions Model - 1:10 Year 24 Hour SCS Type II Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                          Data       Recording
  Name                 Data Source                        Type       Interval
  ---------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56      0.00    2.2600
10yr_24hr_SCS_Type_II_75mm OF-2
  CA-2                        26.09    401.42      0.00    0.8500
10yr_24hr_SCS_Type_II_75mm OF-1
  CA-3                         3.42    136.98      0.00    1.7820
10yr_24hr_SCS_Type_II_75mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
10yr_24hr_SCS_Type_II_75mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
10yr_24hr_SCS_Type_II_75mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-5
  EX-1                        25.12    279.07      0.00    1.0000
10yr_24hr_SCS_Type_II_75mm OF-2
```

```
  EX-2                       15.71    241.65      0.00    1.0000
10yr_24hr_SCS_Type_II_75mm OF-5
  EX-3                        1.20    120.37      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-5
  EX-4                        1.72    143.65      0.00    1.5000
10yr_24hr_SCS_Type_II_75mm OF-5


  ************
  Node Summary
  ************
                                          Invert      Max.    Ponded    External
  Name                 Type                Elev.     Depth      Area    Inflow
  ------------------------------------------------------------------------------
  J_Dummy              JUNCTION             1.00      1.00       0.0
  OF-1                 OUTFALL            134.84      0.00       0.0
  OF-2                 OUTFALL              0.00      0.00       0.0
  OF-3                 OUTFALL            133.92      0.00       0.0
  OF-4                 OUTFALL            133.99      0.00       0.0
  OF-5                 OUTFALL            133.99      0.00       0.0


  ****************
  Transect Summary
  ****************

  Transect 3
  Area:
              0.0004     0.0014     0.0028     0.0045     0.0067
              0.0093     0.0122     0.0155     0.0191     0.0228
              0.0267     0.0309     0.0354     0.0402     0.0453
              0.0507     0.0564     0.0623     0.0685     0.0748
              0.0814     0.0883     0.0954     0.1030     0.1123
              0.1257     0.1418     0.1604     0.1864     0.2166
              0.2472     0.2782     0.3096     0.3415     0.3745
              0.4099     0.4466     0.4841     0.5219     0.5610
              0.6010     0.6416     0.6827     0.7242     0.7670
              0.8117     0.8571     0.9034     0.9511     1.0000
  Hrad:
              0.0282     0.0605     0.0901     0.1160     0.1383
              0.1640     0.1924     0.2246     0.2593     0.2934
              0.3249     0.3547     0.3763     0.3976     0.4236
              0.4513     0.4804     0.5094     0.5390     0.5685
              0.5965     0.6225     0.6436     0.6476     0.6408
              0.6242     0.6080     0.5923     0.3098     0.3537
              0.3982     0.4428     0.4867     0.5236     0.5521
              0.5601     0.5973     0.6386     0.6790     0.7029
              0.7409     0.7798     0.8208     0.8608     0.8623
              0.8950     0.9291     0.9584     0.9754     1.0000
  Width:
              0.0154     0.0231     0.0302     0.0379     0.0469
              0.0549     0.0619     0.0672     0.0714     0.0754
              0.0798     0.0845     0.0911     0.0980     0.1037
              0.1089     0.1137     0.1185     0.1230     0.1274
              0.1321     0.1372     0.1434     0.1539     0.2286
              0.2940     0.3355     0.4032     0.5871     0.5974
              0.6056     0.6131     0.6206     0.6363     0.6619
```

0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494
0.1627 0.1765 0.1907 0.2055 0.2210
0.2371 0.2536 0.2710 0.2896 0.3093
0.3311 0.3546 0.3796 0.4059 0.4339
0.4629 0.4931 0.5242 0.5566 0.5907
0.6263 0.6635 0.7024 0.7431 0.7845
0.8263 0.8687 0.9117 0.9555 1.0000
Hrad:
0.0249 0.0481 0.0682 0.0921 0.1224
0.1531 0.1775 0.1996 0.2259 0.2539
0.2841 0.3125 0.3374 0.3595 0.3818
0.4078 0.4356 0.4616 0.4873 0.5113
0.5357 0.5618 0.5858 0.6032 0.6237

```
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Surcharge Method ......... EXTRAN
Starting Date ............ 07/15/2026 00:00:00
Ending Date .............. 07/16/2026 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......        13.129        75.000
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         7.663        43.774
Surface Runoff ...........         2.911        16.632
Final Storage ............         2.562        14.634
Continuity Error (%) .....        -0.055


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         2.905        29.051
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
```

External Inflow	0.000
External Outflow	2.905
Flooding Loss	0.000
Evaporation Loss	0.000
Exfiltration Loss	0.000
Initial Stored Volume	0.000
Final Stored Volume	0.000
Continuity Error (%)	0.000

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	75.00	0.00	0.00	48.44	0.00	15.13	15.13	0.78	0.03	0.202
CA-2	75.00	0.00	0.00	39.77	0.00	20.89	20.89	5.45	0.18	0.278
CA-3	75.00	0.00	0.00	39.77	0.00	26.55	26.55	0.91	0.06	0.354
CA-4	75.00	0.00	0.00	44.41	0.00	11.60	11.60	5.77	0.15	0.155
CA-5	75.00	0.00	0.00	55.11	0.00	7.86	7.86	1.80	0.05	0.105
CA-6	75.00	0.00	0.00	44.41	0.00	21.98	21.98	1.11	0.08	0.293
CA-7	75.00	0.00	0.00	40.75	0.00	24.40	24.40	2.82	0.15	0.325
CA-8	75.00	0.00	0.00	46.89	0.00	18.35	18.35	0.30	0.01	0.245
CA-9	75.00	0.00	0.00	40.75	0.00	24.02	24.02	1.36	0.07	0.320
EX-1	75.00	0.00	0.00	40.75	0.00	18.27	18.27	4.59	0.14	0.244
EX-2	75.00	0.00	0.00	39.77	0.00	21.40	21.40	3.36	0.12	0.285
EX-3	75.00	0.00	0.00	41.71	0.00	26.01	26.01	0.31	0.04	0.347
EX-4	75.00	0.00	0.00	36.64	0.00	31.48	31.48	0.54	0.08	0.420

Analysis begun on: Fri Nov 6 15:22:03 2026
Analysis ended on: Fri Nov 6 15:22:03 2026
Total elapsed time: < 1 sec

PCSWMM Existing Conditions Model - 1:25 Year 24 Hour SCS Type II Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                          Data       Recording
  Name                 Data Source                        Type       Interval
  ------------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56      0.00    2.2600
25yr_24hr_SCS_Type_II_87.28mm OF-2
  CA-2                        26.09    401.42      0.00    0.8500
25yr_24hr_SCS_Type_II_87.28mm OF-1
  CA-3                         3.42    136.98      0.00    1.7820
25yr_24hr_SCS_Type_II_87.28mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
25yr_24hr_SCS_Type_II_87.28mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
25yr_24hr_SCS_Type_II_87.28mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
25yr_24hr_SCS_Type_II_87.28mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
25yr_24hr_SCS_Type_II_87.28mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
25yr_24hr_SCS_Type_II_87.28mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
25yr_24hr_SCS_Type_II_87.28mm OF-5
  EX-1                        25.12    279.07      0.00    1.0000
25yr_24hr_SCS_Type_II_87.28mm OF-2
```

EX-2	15.71	241.65	0.00	1.0000
25yr_24hr_SCS_Type_II_87.28mm OF-5				
EX-3	1.20	120.37	0.00	2.0000
25yr_24hr_SCS_Type_II_87.28mm OF-5				
EX-4	1.72	143.65	0.00	1.5000
25yr_24hr_SCS_Type_II_87.28mm OF-5				

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670
0.8117	0.8571	0.9034	0.9511	1.0000

Hrad:

0.0282	0.0605	0.0901	0.1160	0.1383
0.1640	0.1924	0.2246	0.2593	0.2934
0.3249	0.3547	0.3763	0.3976	0.4236
0.4513	0.4804	0.5094	0.5390	0.5685
0.5965	0.6225	0.6436	0.6476	0.6408
0.6242	0.6080	0.5923	0.3098	0.3537
0.3982	0.4428	0.4867	0.5236	0.5521
0.5601	0.5973	0.6386	0.6790	0.7029
0.7409	0.7798	0.8208	0.8608	0.8623
0.8950	0.9291	0.9584	0.9754	1.0000

Width:

0.0154	0.0231	0.0302	0.0379	0.0469
0.0549	0.0619	0.0672	0.0714	0.0754
0.0798	0.0845	0.0911	0.0980	0.1037
0.1089	0.1137	0.1185	0.1230	0.1274
0.1321	0.1372	0.1434	0.1539	0.2286
0.2940	0.3355	0.4032	0.5871	0.5974
0.6056	0.6131	0.6206	0.6363	0.6619

0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494
0.1627 0.1765 0.1907 0.2055 0.2210
0.2371 0.2536 0.2710 0.2896 0.3093
0.3311 0.3546 0.3796 0.4059 0.4339
0.4629 0.4931 0.5242 0.5566 0.5907
0.6263 0.6635 0.7024 0.7431 0.7845
0.8263 0.8687 0.9117 0.9555 1.0000
Hrad:
0.0249 0.0481 0.0682 0.0921 0.1224
0.1531 0.1775 0.1996 0.2259 0.2539
0.2841 0.3125 0.3374 0.3595 0.3818
0.4078 0.4356 0.4616 0.4873 0.5113
0.5357 0.5618 0.5858 0.6032 0.6237

```
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Surcharge Method ......... EXTRAN
Starting Date ............ 07/15/2026 00:00:00
Ending Date .............. 07/16/2026 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......        15.278        87.277
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         8.359        47.750
Surface Runoff ...........         4.125        23.568
Final Storage ............         2.803        16.012
Continuity Error (%) .....        -0.060


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         4.117        41.175
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
```

External Inflow	0.000	0.000
External Outflow	4.117	41.175
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	87.28	0.00	0.00	53.28	0.00	21.94	21.94	1.13	0.05	0.251
CA-2	87.28	0.00	0.00	42.98	0.00	28.83	28.83	7.52	0.28	0.330
CA-3	87.28	0.00	0.00	42.98	0.00	35.25	35.25	1.21	0.10	0.404
CA-4	87.28	0.00	0.00	48.44	0.00	17.35	17.35	8.63	0.23	0.199
CA-5	87.28	0.00	0.00	61.46	0.00	13.08	13.08	3.00	0.10	0.150
CA-6	87.28	0.00	0.00	48.44	0.00	29.91	29.91	1.52	0.14	0.343
CA-7	87.28	0.00	0.00	44.12	0.00	32.82	32.82	3.79	0.24	0.376
CA-8	87.28	0.00	0.00	51.41	0.00	25.69	25.69	0.42	0.03	0.294
CA-9	87.28	0.00	0.00	44.12	0.00	32.39	32.39	1.84	0.11	0.371
EX-1	87.28	0.00	0.00	44.12	0.00	25.69	25.69	6.45	0.21	0.294
EX-2	87.28	0.00	0.00	42.98	0.00	29.43	29.43	4.62	0.18	0.337
EX-3	87.28	0.00	0.00	45.24	0.00	34.54	34.54	0.42	0.07	0.396
EX-4	87.28	0.00	0.00	39.34	0.00	40.83	40.83	0.70	0.12	0.468

Analysis begun on: Fri Nov 6 15:24:55 2026
Analysis ended on: Fri Nov 6 15:24:55 2026
Total elapsed time: < 1 sec

PCSWMM Existing Conditions Model - 1:50 Year 24 Hour SCS Type II Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ----------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ----------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56      0.00    2.2600
50yr_24hr_SCS_Type_II_96.43mm OF-2
  CA-2                        26.09    401.42      0.00    0.8500
50yr_24hr_SCS_Type_II_96.43mm OF-1
  CA-3                         3.42    136.98      0.00    1.7820
50yr_24hr_SCS_Type_II_96.43mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
50yr_24hr_SCS_Type_II_96.43mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
50yr_24hr_SCS_Type_II_96.43mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
50yr_24hr_SCS_Type_II_96.43mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
50yr_24hr_SCS_Type_II_96.43mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
50yr_24hr_SCS_Type_II_96.43mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
50yr_24hr_SCS_Type_II_96.43mm OF-5
  EX-1                        25.12    279.07      0.00    1.0000
50yr_24hr_SCS_Type_II_96.43mm OF-2
```

EX-2	15.71	241.65	0.00	1.0000	50yr_24hr_SCS_Type_II_96.43mm OF-5
EX-3	1.20	120.37	0.00	2.0000	50yr_24hr_SCS_Type_II_96.43mm OF-5
EX-4	1.72	143.65	0.00	1.5000	50yr_24hr_SCS_Type_II_96.43mm OF-5

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670
0.8117	0.8571	0.9034	0.9511	1.0000

Hrad:

0.0282	0.0605	0.0901	0.1160	0.1383
0.1640	0.1924	0.2246	0.2593	0.2934
0.3249	0.3547	0.3763	0.3976	0.4236
0.4513	0.4804	0.5094	0.5390	0.5685
0.5965	0.6225	0.6436	0.6476	0.6408
0.6242	0.6080	0.5923	0.3098	0.3537
0.3982	0.4428	0.4867	0.5236	0.5521
0.5601	0.5973	0.6386	0.6790	0.7029
0.7409	0.7798	0.8208	0.8608	0.8623
0.8950	0.9291	0.9584	0.9754	1.0000

Width:

0.0154	0.0231	0.0302	0.0379	0.0469
0.0549	0.0619	0.0672	0.0714	0.0754
0.0798	0.0845	0.0911	0.0980	0.1037
0.1089	0.1137	0.1185	0.1230	0.1274
0.1321	0.1372	0.1434	0.1539	0.2286
0.2940	0.3355	0.4032	0.5871	0.5974
0.6056	0.6131	0.6206	0.6363	0.6619

0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494
0.1627 0.1765 0.1907 0.2055 0.2210
0.2371 0.2536 0.2710 0.2896 0.3093
0.3311 0.3546 0.3796 0.4059 0.4339
0.4629 0.4931 0.5242 0.5566 0.5907
0.6263 0.6635 0.7024 0.7431 0.7845
0.8263 0.8687 0.9117 0.9555 1.0000
Hrad:
0.0249 0.0481 0.0682 0.0921 0.1224
0.1531 0.1775 0.1996 0.2259 0.2539
0.2841 0.3125 0.3374 0.3595 0.3818
0.4078 0.4356 0.4616 0.4873 0.5113
0.5357 0.5618 0.5858 0.6032 0.6237

```
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Surcharge Method ......... EXTRAN
Starting Date ............ 07/15/2026 00:00:00
Ending Date .............. 07/16/2026 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......        16.880        96.432
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         8.825        50.412
Surface Runoff ...........         5.101        29.139
Final Storage ............         2.966        16.942
Continuity Error (%) .....        -0.064


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         5.092        50.916
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
```

External Inflow	0.000	0.000
External Outflow	5.092	50.916
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff 10^6 ltr	Total Runoff CMS	Peak Runoff	Runoff Coeff
CA-1	96.43	0.00	0.00	56.56	0.00	27.39	27.39	1.41	0.07	0.284
CA-2	96.43	0.00	0.00	45.08	0.00	35.12	35.12	9.16	0.37	0.364
CA-3	96.43	0.00	0.00	45.08	0.00	42.03	42.03	1.44	0.14	0.436
CA-4	96.43	0.00	0.00	51.13	0.00	22.13	22.13	11.01	0.30	0.229
CA-5	96.43	0.00	0.00	65.87	0.00	17.37	17.37	3.99	0.14	0.180
CA-6	96.43	0.00	0.00	51.13	0.00	36.15	36.15	1.83	0.19	0.375
CA-7	96.43	0.00	0.00	46.35	0.00	39.41	39.41	4.56	0.32	0.409
CA-8	96.43	0.00	0.00	54.46	0.00	31.50	31.50	0.51	0.03	0.327
CA-9	96.43	0.00	0.00	46.35	0.00	38.95	38.95	2.21	0.14	0.404
EX-1	96.43	0.00	0.00	46.35	0.00	31.63	31.63	7.94	0.28	0.328
EX-2	96.43	0.00	0.00	45.08	0.00	35.77	35.77	5.62	0.24	0.371
EX-3	96.43	0.00	0.00	47.59	0.00	41.20	41.20	0.50	0.09	0.427
EX-4	96.43	0.00	0.00	41.10	0.00	48.06	48.06	0.83	0.16	0.498

Analysis begun on: Fri Nov 6 15:26:05 2026
Analysis ended on: Fri Nov 6 15:26:05 2026
Total elapsed time: < 1 sec

PCSWMM Existing Conditions Model - 1:100 Year 24 Hour SCS Type II Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                          Data       Recording
  Name                 Data Source                        Type       Interval
  ----------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56      0.00    2.2600
SCS_Type_II_100YR_24HR_105.53mm_15min OF-2
  CA-2                        26.09    401.42      0.00    0.8500
SCS_Type_II_100YR_24HR_105.53mm_15min OF-1
  CA-3                         3.42    136.98      0.00    1.7820
SCS_Type_II_100YR_24HR_105.53mm_15min OF-1
  CA-4                        49.75    284.28      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-2
  CA-5                        22.94    902.67      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-3
  CA-6                         5.07    337.85      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-1
  CA-7                        11.56    385.26      0.00    1.5000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-4
  CA-8                         1.63    108.91      0.00    1.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
  CA-9                         5.67    141.63      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
  EX-1                        25.12    279.07      0.00    1.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-2
```

```
  EX-2                      15.71    241.65      0.00    1.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
  EX-3                       1.20    120.37      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
  EX-4                       1.72    143.65      0.00    1.5000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5


  ************
  Node Summary
  ************
                                          Invert      Max.    Ponded    External
  Name                 Type                Elev.     Depth      Area    Inflow
  ------------------------------------------------------------------------------
  J_Dummy              JUNCTION            1.00      1.00       0.0
  OF-1                 OUTFALL           134.84      0.00       0.0
  OF-2                 OUTFALL             0.00      0.00       0.0
  OF-3                 OUTFALL           133.92      0.00       0.0
  OF-4                 OUTFALL           133.99      0.00       0.0
  OF-5                 OUTFALL           133.99      0.00       0.0


  ****************
  Transect Summary
  ****************

  Transect 3
  Area:
              0.0004     0.0014     0.0028     0.0045     0.0067
              0.0093     0.0122     0.0155     0.0191     0.0228
              0.0267     0.0309     0.0354     0.0402     0.0453
              0.0507     0.0564     0.0623     0.0685     0.0748
              0.0814     0.0883     0.0954     0.1030     0.1123
              0.1257     0.1418     0.1604     0.1864     0.2166
              0.2472     0.2782     0.3096     0.3415     0.3745
              0.4099     0.4466     0.4841     0.5219     0.5610
              0.6010     0.6416     0.6827     0.7242     0.7670
              0.8117     0.8571     0.9034     0.9511     1.0000
  Hrad:
              0.0282     0.0605     0.0901     0.1160     0.1383
              0.1640     0.1924     0.2246     0.2593     0.2934
              0.3249     0.3547     0.3763     0.3976     0.4236
              0.4513     0.4804     0.5094     0.5390     0.5685
              0.5965     0.6225     0.6436     0.6476     0.6408
              0.6242     0.6080     0.5923     0.3098     0.3537
              0.3982     0.4428     0.4867     0.5236     0.5521
              0.5601     0.5973     0.6386     0.6790     0.7029
              0.7409     0.7798     0.8208     0.8608     0.8623
              0.8950     0.9291     0.9584     0.9754     1.0000
  Width:
              0.0154     0.0231     0.0302     0.0379     0.0469
              0.0549     0.0619     0.0672     0.0714     0.0754
              0.0798     0.0845     0.0911     0.0980     0.1037
              0.1089     0.1137     0.1185     0.1230     0.1274
              0.1321     0.1372     0.1434     0.1539     0.2286
              0.2940     0.3355     0.4032     0.5871     0.5974
              0.6056     0.6131     0.6206     0.6363     0.6619
```

0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494
0.1627 0.1765 0.1907 0.2055 0.2210
0.2371 0.2536 0.2710 0.2896 0.3093
0.3311 0.3546 0.3796 0.4059 0.4339
0.4629 0.4931 0.5242 0.5566 0.5907
0.6263 0.6635 0.7024 0.7431 0.7845
0.8263 0.8687 0.9117 0.9555 1.0000
Hrad:
0.0249 0.0481 0.0682 0.0921 0.1224
0.1531 0.1775 0.1996 0.2259 0.2539
0.2841 0.3125 0.3374 0.3595 0.3818
0.4078 0.4356 0.4616 0.4873 0.5113
0.5357 0.5618 0.5858 0.6032 0.6237

```
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Surcharge Method ......... EXTRAN
Starting Date ............ 07/15/2026 00:00:00
Ending Date .............. 07/16/2026 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......        18.473       105.531
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         9.249        52.839
Surface Runoff ...........         6.120        34.964
Final Storage ............         3.116        17.798
Continuity Error (%) .....        -0.067


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         6.110        61.101
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
```

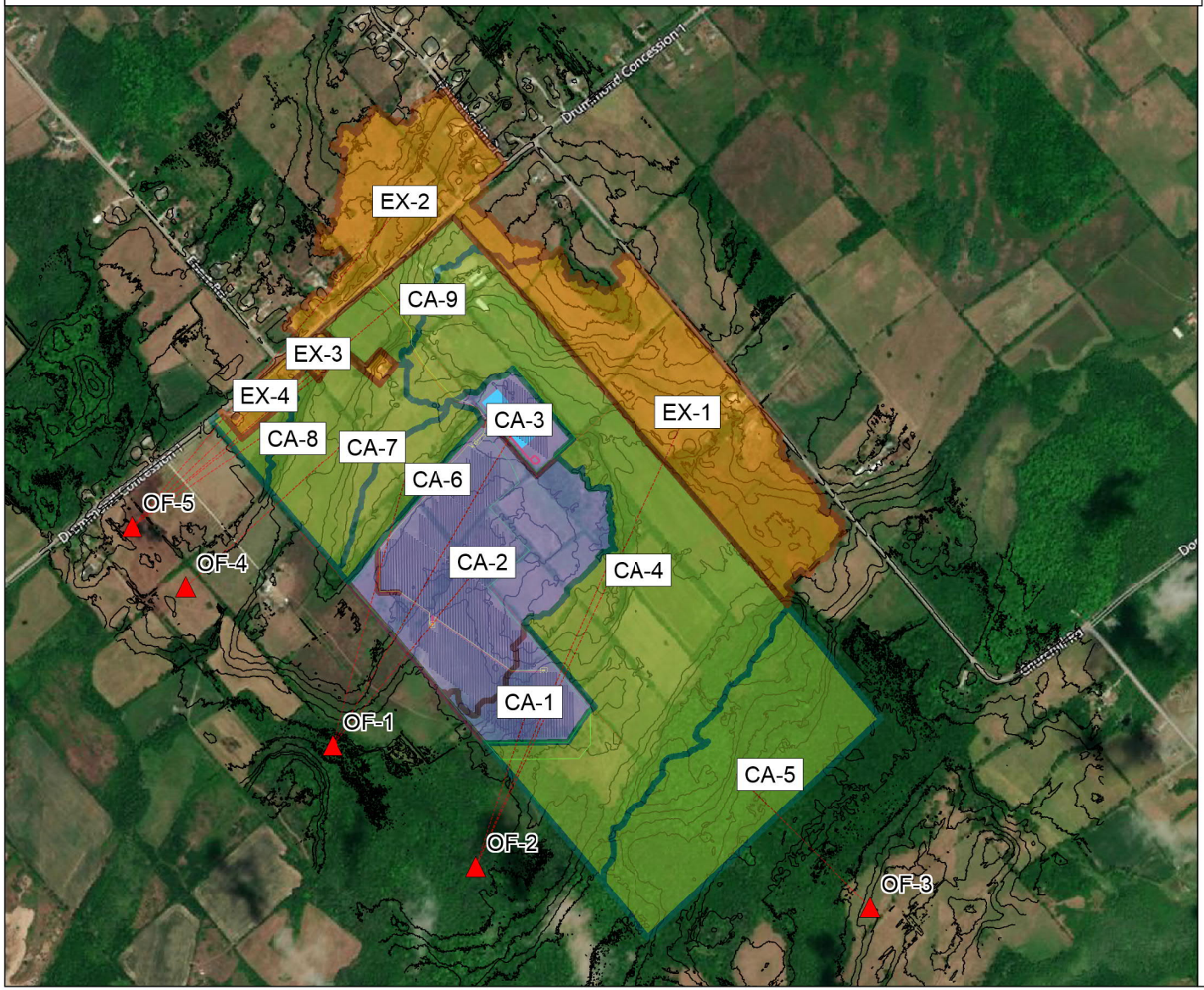
External Inflow	0.000
External Outflow	6.110
Flooding Loss	0.000
Evaporation Loss	0.000
Exfiltration Loss	0.000
Initial Stored Volume	0.000
Final Stored Volume	0.000
Continuity Error (%)	0.000

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	105.53	0.00	0.00	59.57	0.00	33.07	33.07	1.71	0.09	0.313
CA-2	105.53	0.00	0.00	46.98	0.00	41.63	41.63	10.86	0.47	0.394
CA-3	105.53	0.00	0.00	46.98	0.00	48.98	48.98	1.68	0.18	0.464
CA-4	105.53	0.00	0.00	53.58	0.00	27.23	27.23	13.54	0.39	0.258
CA-5	105.53	0.00	0.00	69.99	0.00	21.93	21.93	5.03	0.20	0.208
CA-6	105.53	0.00	0.00	53.58	0.00	42.59	42.59	2.16	0.26	0.404
CA-7	105.53	0.00	0.00	48.35	0.00	46.19	46.19	5.34	0.42	0.438
CA-8	105.53	0.00	0.00	57.24	0.00	37.54	37.54	0.61	0.05	0.356
CA-9	105.53	0.00	0.00	48.35	0.00	45.70	45.70	2.59	0.18	0.433
EX-1	105.53	0.00	0.00	48.35	0.00	37.82	37.82	9.50	0.35	0.358
EX-2	105.53	0.00	0.00	46.98	0.00	42.33	42.33	6.65	0.30	0.401
EX-3	105.53	0.00	0.00	49.70	0.00	48.04	48.04	0.58	0.11	0.455
EX-4	105.53	0.00	0.00	42.67	0.00	55.45	55.45	0.96	0.19	0.525

Analysis begun on: Fri Nov 6 15:26:50 2026
Analysis ended on: Fri Nov 6 15:26:50 2026
Total elapsed time: < 1 sec

PCSWMM Post-Development Model Schematic



Legend

Subcatchments

- External
- Undeveloped
- Developed

Outfalls

N

0.5 km

PCSWMM Post-Development Model Input File

```
[TITLE]
;;Project Title/Notes

[OPTIONS]
;;Option             Value
FLOW_UNITS           CMS
INFILTRATION         HORTON
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         DEPTH
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           7/15/2026
START_TIME           00:00:00
REPORT_START_DATE    7/15/2026
REPORT_START_TIME    00:00:00
END_DATE             7/16/2026
END_TIME             00:00:00
SWEEP_START          1/1
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:01:00
WET_STEP             00:05:00
DRY_STEP             00:05:00
ROUTING_STEP         5
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              16

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

[RAINGAGES]
;;Name           Format    Interval SCF      Source
;;-------------- --------- -------- -------- ----------
10yr_24hr_SCS_Type_II_75mm INTENSITY 0:15     1.0      TIMESERIES
10yr_24hr_SCS_Type_II_75mm
25yr_24hr_SCS_Type_II_87.28mm INTENSITY 0:15     1.0      TIMESERIES
25yr_24hr_SCS_Type_II_87.28mm
2yr_24hr_SCS_Type_II_50.71mm INTENSITY 0:15     1.0      TIMESERIES
2yr_24hr_SCS_Type_II_50.71mm
2yr_Chicago_2h   INTENSITY 0:15     1.0      TIMESERIES 2yr_Chicago_2h
50yr_24hr_SCS_Type_II_96.43mm INTENSITY 0:15     1.0      TIMESERIES 50yr_24hr_SCS_
```

```
5yr_24hr_SCS_Type_II_65.3mm INTENSITY 0:15     1.0      TIMESERIES
5yr_24hr_SCS_Type_II_65.3mm
SCS_Type_II_100YR_24HR_105.53mm_15min INTENSITY 0:15     1.0      TIMESERIES
SCS_Type_II_100YR_24HR_105.53mm_15min

[SUBCATCHMENTS]
;;Name           Rain Gage        Outlet           Area     %Imperv  Width    %
Slope   CurbLen  SnowPack
;;-------------- ---------------- ---------------- -------- -------- -------- -----
--- -------- ----------------
CA-1             2yr_Chicago_2h   OF-2             5.1645   10.745   147.557  2.26
0
CA-2             2yr_Chicago_2h   OF-1             26.0948  8        401.458  0.85
0
CA-3             2yr_Chicago_2h   OF-1             3.4246   13       136.984  1.782
0
CA-4             2yr_Chicago_2h   OF-2             49.7485  0        284.277  2
0
CA-5             2yr_Chicago_2h   OF-3             22.9413  0        902.668  2
0
CA-6             2yr_Chicago_2h   OF-1             5.0678   0        337.853  2
0
CA-7             2yr_Chicago_2h   OF-4             11.5578  0        385.26   1.5
0
CA-8             2yr_Chicago_2h   OF-5             1.6337   0        108.913  1
0
CA-9             2yr_Chicago_2h   OF-5             5.6654   0        141.635  2
0
EX-1             2yr_Chicago_2h   OF-2             25.1164  0        279.071  1
0
EX-2             2yr_Chicago_2h   OF-5             15.7074  0        241.652  1
0
EX-3             2yr_Chicago_2h   OF-5             1.2037   0        120.37   2
0
EX-4             2yr_Chicago_2h   OF-5             1.7238   0        143.65   1.5
0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo
PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ----------
----------
CA-1             0.011      0.15       2          5          100        PERVIOUS
100
CA-2             0.011      0.182      2          5.328      100        PERVIOUS
100
CA-3             0.011      0.176      2          5.278      100        PERVIOUS
100
CA-4             0.011      0.249      2          6.025      0          OUTLET
CA-5             0.011      0.4        2          8          0          OUTLET
CA-6             0.011      0.254      2          6.101      0          OUTLET
CA-7             0.011      0.215      2          5.584      0          OUTLET
CA-8             0.011      0.28       2          6.43       0          OUTLET
CA-9             0.011      0.212      2          5.534      0          OUTLET
EX-1             0.011      0.205      2          5.454      0          OUTLET
EX-2             0.011      0.202      2          5.349      0          OUTLET
EX-3             0.011      0.216      2          5.521      0          OUTLET
EX-4             0.011      0.169      2          4.916      0          OUTLET
```

```
[INFILTRATION]
;;Subcatchment   Param1     Param2     Param3     Param4     Param5
;;-------------- ---------- ---------- ---------- ---------- ----------
CA-1             69         0.5        7          0          0
CURVE_NUMBER
CA-2             70         0.5        7          0          0
CURVE_NUMBER
CA-3             68         0.5        7          0          0
CURVE_NUMBER
CA-4             70         0.5        7          0          0
CURVE_NUMBER
CA-5             55         0.5        7          0          0
CURVE_NUMBER
CA-6             70         0.5        7          0          0
CURVE_NUMBER
CA-7             74         0.5        7          0          0
CURVE_NUMBER
CA-8             67         0.5        7          0          0
CURVE_NUMBER
CA-9             74         0.5        7          0          0
CURVE_NUMBER
EX-1             74         0.5        7          0          0
CURVE_NUMBER
EX-2             75         0.5        7          0          0
CURVE_NUMBER
EX-3             73         0.5        7          0          0
CURVE_NUMBER
EX-4             78         0.5        7          0          0
CURVE_NUMBER

[JUNCTIONS]
;;Name           Elevation  MaxDepth   InitDepth  SurDepth   Aponded
;;-------------- ---------- ---------- ---------- ---------- ----------
J_Dummy          1          1          0          0          0

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated    Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
OF-1             134.84     FREE                        NO
OF-2             0          FREE                        NO
OF-3             133.92     FREE                        NO
OF-4             133.99     FREE                        NO
OF-5             133.99     FREE                        NO

[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Transect created from transect line: 12
NC 0.01     0.01     0.01
X1 3                175      0        0        0.0      0.0      0.0      0.0
0.0
GR 299.998  0        300      1        300.004  5        300.003  6        299.991
7
GR 299.971  8        299.945  9        299.915  10       299.893  11       299.88
12
GR 299.87   13       299.865  14       299.836  16       299.817  17       299.796
18
GR 299.773  19       299.752  20       299.729  21       299.701  22       299.672
23
```

GR 299.642 24 299.617 25 299.589 26 299.563 27 299.539
28
GR 299.519 29 299.506 30 299.504 31 299.506 32 299.504
33
GR 299.5 34 299.497 35 299.49 36 299.478 37 299.451
38
GR 299.407 39 299.359 40 299.307 41 299.259 42 299.221
43
GR 299.179 44 299.146 45 299.076 47 299.019 49 299.004
50
GR 299 51 298.998 52 298.987 53 298.96 54 298.913
55
GR 298.861 56 298.819 57 298.779 58 298.744 59 298.721
60
GR 298.699 61 298.682 62 298.661 63 298.646 64 298.633
65
GR 298.628 66 298.628 67 298.633 69 298.627 70 298.608
72
GR 298.594 73 298.559 75 298.522 77 298.507 78 298.491
79
GR 298.466 80 298.42 81 298.367 82 298.302 83 298.246
84
GR 298.184 85 298.138 86 298.096 87 298.052 88 298.016
89
GR 297.989 90 297.977 91 297.993 92 298.003 93 297.977
94
GR 297.899 95 297.805 96 297.688 97 297.568 98 297.423
99
GR 297.233 100 297.003 101 296.799 102 296.626 103 296.432
104
GR 296.234 105 296.062 106 295.955 107 295.881 108 295.811
109
GR 295.752 110 295.683 111 295.6 112 295.494 113 295.399
114
GR 295.341 115 295.375 116 295.439 117 295.582 118 295.787
119
GR 296.029 120 296.301 121 296.478 122 296.568 123 296.666
124
GR 296.817 125 296.981 126 297.15 127 297.324 128 297.473
129
GR 297.54 130 297.642 132 297.71 133 297.785 134 297.867
135
GR 297.953 136 297.993 137 298.003 138 297.992 139 297.983
140
GR 297.983 141 297.992 142 298 143 297.997 144 297.985
145
GR 297.978 146 297.983 147 297.983 148 297.976 149 297.911
150
GR 297.902 151 297.91 152 297.917 153 297.932 154 297.95
155
GR 297.97 156 297.984 157 297.994 158 297.999 159 298.001
164
GR 298 165 297.994 168 297.997 171 297.996 172 297.984
173
GR 297.968 174 297.95 175 297.93 176 297.914 177 297.899
178
GR 297.888 179 297.878 180 297.865 181 297.85 182 297.817
184
GR 297.788 186 297.777 187 297.758 189 297.75 190 297.741
191

```
GR 297.658  202      297.653  203      297.646  204      297.629  208      297.611
213.572024439975
;
;Transect created from transect line: 13
NC 0.01     0.01     0.01
X1 4                192      0        0        0.0      0.0      0.0      0.0
0.0
GR 299.78   0        299.735  1        299.64   3        299.588  4        299.544
5
GR 299.508  6        299.498  7        299.5    8        299.5    9        299.488
10
GR 299.456  11       299.426  12       299.405  13       299.37   15       299.327
17
GR 299.268  19       299.237  20       299.205  21       299.176  22       299.145
23
GR 299.118  24       299.09   25       298.987  29       298.956  30       298.924
31
GR 298.845  33       298.799  34       298.751  35       298.712  36       298.671
37
GR 298.646  38       298.618  39       298.603  40       298.584  41       298.54
43
GR 298.51   44       298.47   45       298.371  46       298.233  47       298.07
48
GR 297.923  49       297.79   50       297.656  51       297.518  52       297.364
53
GR 297.203  54       297.034  55       296.862  56       296.658  57       296.478
58
GR 296.017  60       295.782  61       295.521  62       295.288  63       295.042
64
GR 294.814  65       294.639  66       294.494  67       294.422  68       294.402
69
GR 294.316  70       294.236  71       294.194  72       294.128  73       294.07
74
GR 293.979  75       293.861  76       293.747  77       293.598  78       293.465
79
GR 293.354  80       293.229  81       293.121  82       292.977  83       292.786
84
GR 292.589  85       292.336  86       292.065  87       291.834  88       291.544
89
GR 291.331  90       291.206  91       291.058  92       290.898  93       290.652
94
GR 290.369  95       290.128  96       289.922  97       289.758  98       289.607
99
GR 289.492  100      289.428  101      289.371  102      289.335  103      289.376
104
GR 289.467  105      289.565  106      289.64   107      289.696  108      289.723
109
GR 289.731  110      289.727  111      289.72   112      289.731  113      289.764
114
GR 289.808  115      289.901  116      290.018  117      290.222  118      290.508
119
GR 290.791  120      291.162  121      291.577  122      291.955  123      292.323
124
GR 292.675  125      293.064  126      293.507  127      293.879  128      294.31
129
GR 294.68   130      295.078  131      295.487  132      295.853  133      296.729
135
GR 297.024  136      297.225  137      297.307  138      297.31   139      297.301
140
GR 297.294  141      297.344  142      297.353  143      297.375  145      297.346
```

```
GR 297.338  147      297.365  148      297.322  149      297.29   150      297.252
151
GR 297.236  152      297.206  153      297.175  154      297.192  155      297.203
156
GR 297.268  157      297.38   158      297.486  159      297.633  160      297.817
161
GR 297.97   162      298.144  163      298.315  164      298.533  165      298.813
166
GR 298.996  167      299.069  168      299.061  169      299.029  170      299
171
GR 299.018  172      299.116  173      299.26   174      299.387  175      299.509
176
GR 299.641  177      299.811  178      299.962  179      300.04   180      300.088
181
GR 300.167  182      300.341  184      300.419  185      300.481  186      300.558
187
GR 300.655  188      300.748  189      300.853  190      300.935  191      301.021
192
GR 301.104  193      301.17   194      301.25   195      301.326  196      301.389
197
GR 301.461  198      301.52   199      301.588  200      301.662  201      301.732
202
GR 301.804  203      301.869  203.889727129499
;
;Transect created from transect line: 14
NC 0.01     0.01     0.01
X1 5                 202      0        0        0.0      0.0      0.0      0.0
0.0
GR 297.219  0        297.142  1        297.063  2        296.928  4        296.851
5
GR 296.762  6        296.675  7        296.595  8        296.539  9        296.487
10
GR 296.4    11       296.3    12       296.191  13       296.068  14       295.932
15
GR 295.793  16       295.628  17       295.503  18       295.401  19       295.286
20
GR 295.158  21       295.016  22       294.868  23       294.734  24       294.58
25
GR 294.472  26       294.379  27       294.301  28       294.226  29       294.083
31
GR 294.014  32       293.921  33       293.809  34       293.66   35       293.458
36
GR 293.206  37       292.969  38       292.81   39       292.7    40       292.555
41
GR 292.415  42       292.173  43       291.829  44       291.455  45       291.117
46
GR 290.801  47       290.497  48       290.103  49       289.672  50       289.236
51
GR 288.83   52       288.463  53       288.136  54       287.877  55       287.695
56
GR 287.507  57       287.339  58       287.164  59       286.979  60       286.754
61
GR 286.539  62       286.364  63       286.226  64       286.082  65       285.959
66
GR 285.851  67       285.753  68       285.649  69       285.526  70       285.333
71
GR 285.115  72       284.972  73       284.869  74       284.79   75       284.717
76
GR 284.652  77       284.588  78       284.521  79       284.452  80       284.381
81
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GR 284.296  82       284.214  83       284.13   84       284.039  85       283.945
86
GR 283.876  87       283.959  88       284.127  89       284.364  90       284.576
91
GR 284.793  92       285.003  93       285.233  94       285.48   95       285.733
96
GR 285.969  97       286.258  98       286.58   99       286.92   100      287.215
101
GR 287.433  102      287.613  103      287.798  104      287.976  105      288.187
106
GR 288.401  107      288.576  108      288.754  109      288.927  110      289.074
111
GR 289.379  113      289.534  114      289.719  115      289.891  116      290.028
117
GR 290.138  118      290.243  119      290.341  120      290.465  121      290.632
122
GR 290.817  123      290.973  124      291.083  125      291.164  126      291.229
127
GR 291.289  128      291.347  129      291.466  131      291.506  132      291.566
134
GR 291.631  135      291.72   136      291.851  137      291.977  138      292.003
139
GR 291.959  140      291.892  141      291.86   142      291.87   143      291.909
144
GR 291.946  145      291.995  146      292.047  147      292.104  148      292.159
149
GR 292.206  150      292.244  151      292.275  152      292.302  153      292.331
154
GR 292.37   155      292.426  156      292.494  157      292.564  158      292.632
159
GR 292.698  160      292.82   162      292.864  163      292.901  164      292.93
165
GR 292.965  166      292.998  167      293.046  168      293.118  169      293.223
170
GR 293.298  171      293.361  172      293.412  173      293.483  174      293.544
175
GR 293.616  176      293.709  177      293.827  178      294.01   180      294.126
181
GR 294.21   182      294.274  183      294.325  184      294.384  185      294.429
186
GR 294.482  187      294.534  188      294.605  189      294.643  190      294.678
191
GR 294.727  192      294.8    193      294.838  194      294.883  195      294.999
197
GR 295.03   198      295.071  199      295.156  200      295.198  201      295.241
203
GR 295.29   204      295.351  205      295.391  206      295.414  207      295.465
208
GR 295.505  209      295.543  209.75527624512

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;SCS_Type II_75mm design storm, total rainfall = 75 mm, rain interval = 15 minutes,
rain units = mm/hr., rain units = mm/hr.
10yr_24hr_SCS_Type_II_75mm            0:00       0.825
10yr_24hr_SCS_Type_II_75mm            0:15       0.825
10yr_24hr_SCS_Type_II_75mm            0:30       0.825
10yr_24hr_SCS_Type_II_75mm            0:45       0.825
```

10yr_24hr_SCS_Type_II_75mm	1:00	0.825
10yr_24hr_SCS_Type_II_75mm	1:15	0.825
10yr_24hr_SCS_Type_II_75mm	1:30	0.825
10yr_24hr_SCS_Type_II_75mm	1:45	0.825
10yr_24hr_SCS_Type_II_75mm	2:00	0.975
10yr_24hr_SCS_Type_II_75mm	2:15	0.975
10yr_24hr_SCS_Type_II_75mm	2:30	0.975
10yr_24hr_SCS_Type_II_75mm	2:45	0.975
10yr_24hr_SCS_Type_II_75mm	3:00	0.975
10yr_24hr_SCS_Type_II_75mm	3:15	0.975
10yr_24hr_SCS_Type_II_75mm	3:30	0.975
10yr_24hr_SCS_Type_II_75mm	3:45	0.975
10yr_24hr_SCS_Type_II_75mm	4:00	1.2
10yr_24hr_SCS_Type_II_75mm	4:15	1.2
10yr_24hr_SCS_Type_II_75mm	4:30	1.2
10yr_24hr_SCS_Type_II_75mm	4:45	1.2
10yr_24hr_SCS_Type_II_75mm	5:00	1.2
10yr_24hr_SCS_Type_II_75mm	5:15	1.2
10yr_24hr_SCS_Type_II_75mm	5:30	1.2
10yr_24hr_SCS_Type_II_75mm	5:45	1.2
10yr_24hr_SCS_Type_II_75mm	6:00	1.35
10yr_24hr_SCS_Type_II_75mm	6:15	1.35
10yr_24hr_SCS_Type_II_75mm	6:30	1.35
10yr_24hr_SCS_Type_II_75mm	6:45	1.35
10yr_24hr_SCS_Type_II_75mm	7:00	1.65
10yr_24hr_SCS_Type_II_75mm	7:15	1.65
10yr_24hr_SCS_Type_II_75mm	7:30	1.65
10yr_24hr_SCS_Type_II_75mm	7:45	1.65
10yr_24hr_SCS_Type_II_75mm	8:00	1.95
10yr_24hr_SCS_Type_II_75mm	8:15	1.95
10yr_24hr_SCS_Type_II_75mm	8:30	2.1
10yr_24hr_SCS_Type_II_75mm	8:45	2.1
10yr_24hr_SCS_Type_II_75mm	9:00	2.4
10yr_24hr_SCS_Type_II_75mm	9:15	2.4
10yr_24hr_SCS_Type_II_75mm	9:30	2.7
10yr_24hr_SCS_Type_II_75mm	9:45	2.7
10yr_24hr_SCS_Type_II_75mm	10:00	3.45
10yr_24hr_SCS_Type_II_75mm	10:15	3.45
10yr_24hr_SCS_Type_II_75mm	10:30	4.65
10yr_24hr_SCS_Type_II_75mm	10:45	4.65
10yr_24hr_SCS_Type_II_75mm	11:00	7.2
10yr_24hr_SCS_Type_II_75mm	11:15	7.2
10yr_24hr_SCS_Type_II_75mm	11:30	22.2
10yr_24hr_SCS_Type_II_75mm	11:45	91.8
10yr_24hr_SCS_Type_II_75mm	12:00	10.8
10yr_24hr_SCS_Type_II_75mm	12:15	10.8
10yr_24hr_SCS_Type_II_75mm	12:30	5.55
10yr_24hr_SCS_Type_II_75mm	12:45	5.55
10yr_24hr_SCS_Type_II_75mm	13:00	4.05
10yr_24hr_SCS_Type_II_75mm	13:15	4.05
10yr_24hr_SCS_Type_II_75mm	13:30	3.15
10yr_24hr_SCS_Type_II_75mm	13:45	3.15
10yr_24hr_SCS_Type_II_75mm	14:00	2.25
10yr_24hr_SCS_Type_II_75mm	14:15	2.25
10yr_24hr_SCS_Type_II_75mm	14:30	2.25
10yr_24hr_SCS_Type_II_75mm	14:45	2.25
10yr_24hr_SCS_Type_II_75mm	15:00	2.25

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10yr_24hr_SCS_Type_II_75mm            15:15      2.25
10yr_24hr_SCS_Type_II_75mm            15:30      2.25
10yr_24hr_SCS_Type_II_75mm            15:45      2.25
10yr_24hr_SCS_Type_II_75mm            16:00      1.35
10yr_24hr_SCS_Type_II_75mm            16:15      1.35
10yr_24hr_SCS_Type_II_75mm            16:30      1.35
10yr_24hr_SCS_Type_II_75mm            16:45      1.35
10yr_24hr_SCS_Type_II_75mm            17:00      1.35
10yr_24hr_SCS_Type_II_75mm            17:15      1.35
10yr_24hr_SCS_Type_II_75mm            17:30      1.35
10yr_24hr_SCS_Type_II_75mm            17:45      1.35
10yr_24hr_SCS_Type_II_75mm            18:00      1.35
10yr_24hr_SCS_Type_II_75mm            18:15      1.35
10yr_24hr_SCS_Type_II_75mm            18:30      1.35
10yr_24hr_SCS_Type_II_75mm            18:45      1.35
10yr_24hr_SCS_Type_II_75mm            19:00      1.35
10yr_24hr_SCS_Type_II_75mm            19:15      1.35
10yr_24hr_SCS_Type_II_75mm            19:30      1.35
10yr_24hr_SCS_Type_II_75mm            19:45      1.35
10yr_24hr_SCS_Type_II_75mm            20:00      0.9
10yr_24hr_SCS_Type_II_75mm            20:15      0.9
10yr_24hr_SCS_Type_II_75mm            20:30      0.9
10yr_24hr_SCS_Type_II_75mm            20:45      0.9
10yr_24hr_SCS_Type_II_75mm            21:00      0.9
10yr_24hr_SCS_Type_II_75mm            21:15      0.9
10yr_24hr_SCS_Type_II_75mm            21:30      0.9
10yr_24hr_SCS_Type_II_75mm            21:45      0.9
10yr_24hr_SCS_Type_II_75mm            22:00      0.9
10yr_24hr_SCS_Type_II_75mm            22:15      0.9
10yr_24hr_SCS_Type_II_75mm            22:30      0.9
10yr_24hr_SCS_Type_II_75mm            22:45      0.9
10yr_24hr_SCS_Type_II_75mm            23:00      0.9
10yr_24hr_SCS_Type_II_75mm            23:15      0.9
10yr_24hr_SCS_Type_II_75mm            23:30      0.9
10yr_24hr_SCS_Type_II_75mm            23:45      0.9

;SCS_Type II_87.28mm design storm, total rainfall = 87.28 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
25yr_24hr_SCS_Type_II_87.28mm           0:00       0.96
25yr_24hr_SCS_Type_II_87.28mm           0:15       0.96
25yr_24hr_SCS_Type_II_87.28mm           0:30       0.96
25yr_24hr_SCS_Type_II_87.28mm           0:45       0.96
25yr_24hr_SCS_Type_II_87.28mm           1:00       0.96
25yr_24hr_SCS_Type_II_87.28mm           1:15       0.96
25yr_24hr_SCS_Type_II_87.28mm           1:30       0.96
25yr_24hr_SCS_Type_II_87.28mm           1:45       0.96
25yr_24hr_SCS_Type_II_87.28mm           2:00       1.135
25yr_24hr_SCS_Type_II_87.28mm           2:15       1.135
25yr_24hr_SCS_Type_II_87.28mm           2:30       1.135
25yr_24hr_SCS_Type_II_87.28mm           2:45       1.135
25yr_24hr_SCS_Type_II_87.28mm           3:00       1.135
25yr_24hr_SCS_Type_II_87.28mm           3:15       1.135
25yr_24hr_SCS_Type_II_87.28mm           3:30       1.135
25yr_24hr_SCS_Type_II_87.28mm           3:45       1.135
25yr_24hr_SCS_Type_II_87.28mm           4:00       1.396
25yr_24hr_SCS_Type_II_87.28mm           4:15       1.396
25yr_24hr_SCS_Type_II_87.28mm           4:30       1.396
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25yr_24hr_SCS_Type_II_87.28mm	4:45	1.396
25yr_24hr_SCS_Type_II_87.28mm	5:00	1.396
25yr_24hr_SCS_Type_II_87.28mm	5:15	1.396
25yr_24hr_SCS_Type_II_87.28mm	5:30	1.396
25yr_24hr_SCS_Type_II_87.28mm	5:45	1.396
25yr_24hr_SCS_Type_II_87.28mm	6:00	1.571
25yr_24hr_SCS_Type_II_87.28mm	6:15	1.571
25yr_24hr_SCS_Type_II_87.28mm	6:30	1.571
25yr_24hr_SCS_Type_II_87.28mm	6:45	1.571
25yr_24hr_SCS_Type_II_87.28mm	7:00	1.92
25yr_24hr_SCS_Type_II_87.28mm	7:15	1.92
25yr_24hr_SCS_Type_II_87.28mm	7:30	1.92
25yr_24hr_SCS_Type_II_87.28mm	7:45	1.92
25yr_24hr_SCS_Type_II_87.28mm	8:00	2.269
25yr_24hr_SCS_Type_II_87.28mm	8:15	2.269
25yr_24hr_SCS_Type_II_87.28mm	8:30	2.444
25yr_24hr_SCS_Type_II_87.28mm	8:45	2.444
25yr_24hr_SCS_Type_II_87.28mm	9:00	2.793
25yr_24hr_SCS_Type_II_87.28mm	9:15	2.793
25yr_24hr_SCS_Type_II_87.28mm	9:30	3.142
25yr_24hr_SCS_Type_II_87.28mm	9:45	3.142
25yr_24hr_SCS_Type_II_87.28mm	10:00	4.015
25yr_24hr_SCS_Type_II_87.28mm	10:15	4.015
25yr_24hr_SCS_Type_II_87.28mm	10:30	5.411
25yr_24hr_SCS_Type_II_87.28mm	10:45	5.411
25yr_24hr_SCS_Type_II_87.28mm	11:00	8.379
25yr_24hr_SCS_Type_II_87.28mm	11:15	8.379
25yr_24hr_SCS_Type_II_87.28mm	11:30	25.835
25yr_24hr_SCS_Type_II_87.28mm	11:45	106.831
25yr_24hr_SCS_Type_II_87.28mm	12:00	12.568
25yr_24hr_SCS_Type_II_87.28mm	12:15	12.568
25yr_24hr_SCS_Type_II_87.28mm	12:30	6.459
25yr_24hr_SCS_Type_II_87.28mm	12:45	6.459
25yr_24hr_SCS_Type_II_87.28mm	13:00	4.713
25yr_24hr_SCS_Type_II_87.28mm	13:15	4.713
25yr_24hr_SCS_Type_II_87.28mm	13:30	3.666
25yr_24hr_SCS_Type_II_87.28mm	13:45	3.666
25yr_24hr_SCS_Type_II_87.28mm	14:00	2.618
25yr_24hr_SCS_Type_II_87.28mm	14:15	2.618
25yr_24hr_SCS_Type_II_87.28mm	14:30	2.618
25yr_24hr_SCS_Type_II_87.28mm	14:45	2.618
25yr_24hr_SCS_Type_II_87.28mm	15:00	2.618
25yr_24hr_SCS_Type_II_87.28mm	15:15	2.618
25yr_24hr_SCS_Type_II_87.28mm	15:30	2.618
25yr_24hr_SCS_Type_II_87.28mm	15:45	2.618
25yr_24hr_SCS_Type_II_87.28mm	16:00	1.571
25yr_24hr_SCS_Type_II_87.28mm	16:15	1.571
25yr_24hr_SCS_Type_II_87.28mm	16:30	1.571
25yr_24hr_SCS_Type_II_87.28mm	16:45	1.571
25yr_24hr_SCS_Type_II_87.28mm	17:00	1.571
25yr_24hr_SCS_Type_II_87.28mm	17:15	1.571
25yr_24hr_SCS_Type_II_87.28mm	17:30	1.571
25yr_24hr_SCS_Type_II_87.28mm	17:45	1.571
25yr_24hr_SCS_Type_II_87.28mm	18:00	1.571
25yr_24hr_SCS_Type_II_87.28mm	18:15	1.571
25yr_24hr_SCS_Type_II_87.28mm	18:30	1.571
25yr_24hr_SCS_Type_II_87.28mm	18:45	1.571

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25yr_24hr_SCS_Type_II_87.28mm            19:00      1.571
25yr_24hr_SCS_Type_II_87.28mm            19:15      1.571
25yr_24hr_SCS_Type_II_87.28mm            19:30      1.571
25yr_24hr_SCS_Type_II_87.28mm            19:45      1.571
25yr_24hr_SCS_Type_II_87.28mm            20:00      1.047
25yr_24hr_SCS_Type_II_87.28mm            20:15      1.047
25yr_24hr_SCS_Type_II_87.28mm            20:30      1.047
25yr_24hr_SCS_Type_II_87.28mm            20:45      1.047
25yr_24hr_SCS_Type_II_87.28mm            21:00      1.047
25yr_24hr_SCS_Type_II_87.28mm            21:15      1.047
25yr_24hr_SCS_Type_II_87.28mm            21:30      1.047
25yr_24hr_SCS_Type_II_87.28mm            21:45      1.047
25yr_24hr_SCS_Type_II_87.28mm            22:00      1.047
25yr_24hr_SCS_Type_II_87.28mm            22:15      1.047
25yr_24hr_SCS_Type_II_87.28mm            22:30      1.047
25yr_24hr_SCS_Type_II_87.28mm            22:45      1.047
25yr_24hr_SCS_Type_II_87.28mm            23:00      1.047
25yr_24hr_SCS_Type_II_87.28mm            23:15      1.047
25yr_24hr_SCS_Type_II_87.28mm            23:30      1.047
25yr_24hr_SCS_Type_II_87.28mm            23:45      1.047

;SCS_Type II_50.71mm design storm, total rainfall = 50.71 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
2yr_24hr_SCS_Type_II_50.71mm             0:00       0.558
2yr_24hr_SCS_Type_II_50.71mm             0:15       0.558
2yr_24hr_SCS_Type_II_50.71mm             0:30       0.558
2yr_24hr_SCS_Type_II_50.71mm             0:45       0.558
2yr_24hr_SCS_Type_II_50.71mm             1:00       0.558
2yr_24hr_SCS_Type_II_50.71mm             1:15       0.558
2yr_24hr_SCS_Type_II_50.71mm             1:30       0.558
2yr_24hr_SCS_Type_II_50.71mm             1:45       0.558
2yr_24hr_SCS_Type_II_50.71mm             2:00       0.659
2yr_24hr_SCS_Type_II_50.71mm             2:15       0.659
2yr_24hr_SCS_Type_II_50.71mm             2:30       0.659
2yr_24hr_SCS_Type_II_50.71mm             2:45       0.659
2yr_24hr_SCS_Type_II_50.71mm             3:00       0.659
2yr_24hr_SCS_Type_II_50.71mm             3:15       0.659
2yr_24hr_SCS_Type_II_50.71mm             3:30       0.659
2yr_24hr_SCS_Type_II_50.71mm             3:45       0.659
2yr_24hr_SCS_Type_II_50.71mm             4:00       0.811
2yr_24hr_SCS_Type_II_50.71mm             4:15       0.811
2yr_24hr_SCS_Type_II_50.71mm             4:30       0.811
2yr_24hr_SCS_Type_II_50.71mm             4:45       0.811
2yr_24hr_SCS_Type_II_50.71mm             5:00       0.811
2yr_24hr_SCS_Type_II_50.71mm             5:15       0.811
2yr_24hr_SCS_Type_II_50.71mm             5:30       0.811
2yr_24hr_SCS_Type_II_50.71mm             5:45       0.811
2yr_24hr_SCS_Type_II_50.71mm             6:00       0.913
2yr_24hr_SCS_Type_II_50.71mm             6:15       0.913
2yr_24hr_SCS_Type_II_50.71mm             6:30       0.913
2yr_24hr_SCS_Type_II_50.71mm             6:45       0.913
2yr_24hr_SCS_Type_II_50.71mm             7:00       1.116
2yr_24hr_SCS_Type_II_50.71mm             7:15       1.116
2yr_24hr_SCS_Type_II_50.71mm             7:30       1.116
2yr_24hr_SCS_Type_II_50.71mm             7:45       1.116
2yr_24hr_SCS_Type_II_50.71mm             8:00       1.318
2yr_24hr_SCS_Type_II_50.71mm             8:15       1.318
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2yr_24hr_SCS_Type_II_50.71mm	8:30	1.42
2yr_24hr_SCS_Type_II_50.71mm	8:45	1.42
2yr_24hr_SCS_Type_II_50.71mm	9:00	1.623
2yr_24hr_SCS_Type_II_50.71mm	9:15	1.623
2yr_24hr_SCS_Type_II_50.71mm	9:30	1.826
2yr_24hr_SCS_Type_II_50.71mm	9:45	1.826
2yr_24hr_SCS_Type_II_50.71mm	10:00	2.333
2yr_24hr_SCS_Type_II_50.71mm	10:15	2.333
2yr_24hr_SCS_Type_II_50.71mm	10:30	3.144
2yr_24hr_SCS_Type_II_50.71mm	10:45	3.144
2yr_24hr_SCS_Type_II_50.71mm	11:00	4.868
2yr_24hr_SCS_Type_II_50.71mm	11:15	4.868
2yr_24hr_SCS_Type_II_50.71mm	11:30	15.01
2yr_24hr_SCS_Type_II_50.71mm	11:45	62.069
2yr_24hr_SCS_Type_II_50.71mm	12:00	7.302
2yr_24hr_SCS_Type_II_50.71mm	12:15	7.302
2yr_24hr_SCS_Type_II_50.71mm	12:30	3.753
2yr_24hr_SCS_Type_II_50.71mm	12:45	3.753
2yr_24hr_SCS_Type_II_50.71mm	13:00	2.738
2yr_24hr_SCS_Type_II_50.71mm	13:15	2.738
2yr_24hr_SCS_Type_II_50.71mm	13:30	2.13
2yr_24hr_SCS_Type_II_50.71mm	13:45	2.13
2yr_24hr_SCS_Type_II_50.71mm	14:00	1.521
2yr_24hr_SCS_Type_II_50.71mm	14:15	1.521
2yr_24hr_SCS_Type_II_50.71mm	14:30	1.521
2yr_24hr_SCS_Type_II_50.71mm	14:45	1.521
2yr_24hr_SCS_Type_II_50.71mm	15:00	1.521
2yr_24hr_SCS_Type_II_50.71mm	15:15	1.521
2yr_24hr_SCS_Type_II_50.71mm	15:30	1.521
2yr_24hr_SCS_Type_II_50.71mm	15:45	1.521
2yr_24hr_SCS_Type_II_50.71mm	16:00	0.913
2yr_24hr_SCS_Type_II_50.71mm	16:15	0.913
2yr_24hr_SCS_Type_II_50.71mm	16:30	0.913
2yr_24hr_SCS_Type_II_50.71mm	16:45	0.913
2yr_24hr_SCS_Type_II_50.71mm	17:00	0.913
2yr_24hr_SCS_Type_II_50.71mm	17:15	0.913
2yr_24hr_SCS_Type_II_50.71mm	17:30	0.913
2yr_24hr_SCS_Type_II_50.71mm	17:45	0.913
2yr_24hr_SCS_Type_II_50.71mm	18:00	0.913
2yr_24hr_SCS_Type_II_50.71mm	18:15	0.913
2yr_24hr_SCS_Type_II_50.71mm	18:30	0.913
2yr_24hr_SCS_Type_II_50.71mm	18:45	0.913
2yr_24hr_SCS_Type_II_50.71mm	19:00	0.913
2yr_24hr_SCS_Type_II_50.71mm	19:15	0.913
2yr_24hr_SCS_Type_II_50.71mm	19:30	0.913
2yr_24hr_SCS_Type_II_50.71mm	19:45	0.913
2yr_24hr_SCS_Type_II_50.71mm	20:00	0.609
2yr_24hr_SCS_Type_II_50.71mm	20:15	0.609
2yr_24hr_SCS_Type_II_50.71mm	20:30	0.609
2yr_24hr_SCS_Type_II_50.71mm	20:45	0.609
2yr_24hr_SCS_Type_II_50.71mm	21:00	0.609
2yr_24hr_SCS_Type_II_50.71mm	21:15	0.609
2yr_24hr_SCS_Type_II_50.71mm	21:30	0.609
2yr_24hr_SCS_Type_II_50.71mm	21:45	0.609
2yr_24hr_SCS_Type_II_50.71mm	22:00	0.609
2yr_24hr_SCS_Type_II_50.71mm	22:15	0.609
2yr_24hr_SCS_Type_II_50.71mm	22:30	0.609

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2yr_24hr_SCS_Type_II_50.71mm            22:45      0.609
2yr_24hr_SCS_Type_II_50.71mm            23:00      0.609
2yr_24hr_SCS_Type_II_50.71mm            23:15      0.609
2yr_24hr_SCS_Type_II_50.71mm            23:30      0.609
2yr_24hr_SCS_Type_II_50.71mm            23:45      0.609

;Chicago design storm, a = 539.021628740197, b = 0, c = 0.76, Duration = 120
minutes, r = 0.35, rain interval = 15 minutes, rain units = mm/hr.
2yr_Chicago_2h              0:00       3.992
2yr_Chicago_2h              0:15       6.312
2yr_Chicago_2h              0:30       68.83
2yr_Chicago_2h              0:45       12.379
2yr_Chicago_2h              1:00       8.116
2yr_Chicago_2h              1:15       5.641
2yr_Chicago_2h              1:30       4.423
2yr_Chicago_2h              1:45       3.682
2yr_Chicago_2h              2:00       0

;SCS_Type II_96.43mm design storm, total rainfall = 96.43 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
50yr_24hr_SCS_Type_II_96.43mm            0:00       1.061
50yr_24hr_SCS_Type_II_96.43mm            0:15       1.061
50yr_24hr_SCS_Type_II_96.43mm            0:30       1.061
50yr_24hr_SCS_Type_II_96.43mm            0:45       1.061
50yr_24hr_SCS_Type_II_96.43mm            1:00       1.061
50yr_24hr_SCS_Type_II_96.43mm            1:15       1.061
50yr_24hr_SCS_Type_II_96.43mm            1:30       1.061
50yr_24hr_SCS_Type_II_96.43mm            1:45       1.061
50yr_24hr_SCS_Type_II_96.43mm            2:00       1.254
50yr_24hr_SCS_Type_II_96.43mm            2:15       1.254
50yr_24hr_SCS_Type_II_96.43mm            2:30       1.254
50yr_24hr_SCS_Type_II_96.43mm            2:45       1.254
50yr_24hr_SCS_Type_II_96.43mm            3:00       1.254
50yr_24hr_SCS_Type_II_96.43mm            3:15       1.254
50yr_24hr_SCS_Type_II_96.43mm            3:30       1.254
50yr_24hr_SCS_Type_II_96.43mm            3:45       1.254
50yr_24hr_SCS_Type_II_96.43mm            4:00       1.543
50yr_24hr_SCS_Type_II_96.43mm            4:15       1.543
50yr_24hr_SCS_Type_II_96.43mm            4:30       1.543
50yr_24hr_SCS_Type_II_96.43mm            4:45       1.543
50yr_24hr_SCS_Type_II_96.43mm            5:00       1.543
50yr_24hr_SCS_Type_II_96.43mm            5:15       1.543
50yr_24hr_SCS_Type_II_96.43mm            5:30       1.543
50yr_24hr_SCS_Type_II_96.43mm            5:45       1.543
50yr_24hr_SCS_Type_II_96.43mm            6:00       1.736
50yr_24hr_SCS_Type_II_96.43mm            6:15       1.736
50yr_24hr_SCS_Type_II_96.43mm            6:30       1.736
50yr_24hr_SCS_Type_II_96.43mm            6:45       1.736
50yr_24hr_SCS_Type_II_96.43mm            7:00       2.121
50yr_24hr_SCS_Type_II_96.43mm            7:15       2.121
50yr_24hr_SCS_Type_II_96.43mm            7:30       2.121
50yr_24hr_SCS_Type_II_96.43mm            7:45       2.121
50yr_24hr_SCS_Type_II_96.43mm            8:00       2.507
50yr_24hr_SCS_Type_II_96.43mm            8:15       2.507
50yr_24hr_SCS_Type_II_96.43mm            8:30       2.7
50yr_24hr_SCS_Type_II_96.43mm            8:45       2.7
50yr_24hr_SCS_Type_II_96.43mm            9:00       3.086
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50yr_24hr_SCS_Type_II_96.43mm	9:15	3.086
50yr_24hr_SCS_Type_II_96.43mm	9:30	3.471
50yr_24hr_SCS_Type_II_96.43mm	9:45	3.471
50yr_24hr_SCS_Type_II_96.43mm	10:00	4.436
50yr_24hr_SCS_Type_II_96.43mm	10:15	4.436
50yr_24hr_SCS_Type_II_96.43mm	10:30	5.979
50yr_24hr_SCS_Type_II_96.43mm	10:45	5.979
50yr_24hr_SCS_Type_II_96.43mm	11:00	9.257
50yr_24hr_SCS_Type_II_96.43mm	11:15	9.257
50yr_24hr_SCS_Type_II_96.43mm	11:30	28.543
50yr_24hr_SCS_Type_II_96.43mm	11:45	118.03
50yr_24hr_SCS_Type_II_96.43mm	12:00	13.886
50yr_24hr_SCS_Type_II_96.43mm	12:15	13.886
50yr_24hr_SCS_Type_II_96.43mm	12:30	7.136
50yr_24hr_SCS_Type_II_96.43mm	12:45	7.136
50yr_24hr_SCS_Type_II_96.43mm	13:00	5.207
50yr_24hr_SCS_Type_II_96.43mm	13:15	5.207
50yr_24hr_SCS_Type_II_96.43mm	13:30	4.05
50yr_24hr_SCS_Type_II_96.43mm	13:45	4.05
50yr_24hr_SCS_Type_II_96.43mm	14:00	2.893
50yr_24hr_SCS_Type_II_96.43mm	14:15	2.893
50yr_24hr_SCS_Type_II_96.43mm	14:30	2.893
50yr_24hr_SCS_Type_II_96.43mm	14:45	2.893
50yr_24hr_SCS_Type_II_96.43mm	15:00	2.893
50yr_24hr_SCS_Type_II_96.43mm	15:15	2.893
50yr_24hr_SCS_Type_II_96.43mm	15:30	2.893
50yr_24hr_SCS_Type_II_96.43mm	15:45	2.893
50yr_24hr_SCS_Type_II_96.43mm	16:00	1.736
50yr_24hr_SCS_Type_II_96.43mm	16:15	1.736
50yr_24hr_SCS_Type_II_96.43mm	16:30	1.736
50yr_24hr_SCS_Type_II_96.43mm	16:45	1.736
50yr_24hr_SCS_Type_II_96.43mm	17:00	1.736
50yr_24hr_SCS_Type_II_96.43mm	17:15	1.736
50yr_24hr_SCS_Type_II_96.43mm	17:30	1.736
50yr_24hr_SCS_Type_II_96.43mm	17:45	1.736
50yr_24hr_SCS_Type_II_96.43mm	18:00	1.736
50yr_24hr_SCS_Type_II_96.43mm	18:15	1.736
50yr_24hr_SCS_Type_II_96.43mm	18:30	1.736
50yr_24hr_SCS_Type_II_96.43mm	18:45	1.736
50yr_24hr_SCS_Type_II_96.43mm	19:00	1.736
50yr_24hr_SCS_Type_II_96.43mm	19:15	1.736
50yr_24hr_SCS_Type_II_96.43mm	19:30	1.736
50yr_24hr_SCS_Type_II_96.43mm	19:45	1.736
50yr_24hr_SCS_Type_II_96.43mm	20:00	1.157
50yr_24hr_SCS_Type_II_96.43mm	20:15	1.157
50yr_24hr_SCS_Type_II_96.43mm	20:30	1.157
50yr_24hr_SCS_Type_II_96.43mm	20:45	1.157
50yr_24hr_SCS_Type_II_96.43mm	21:00	1.157
50yr_24hr_SCS_Type_II_96.43mm	21:15	1.157
50yr_24hr_SCS_Type_II_96.43mm	21:30	1.157
50yr_24hr_SCS_Type_II_96.43mm	21:45	1.157
50yr_24hr_SCS_Type_II_96.43mm	22:00	1.157
50yr_24hr_SCS_Type_II_96.43mm	22:15	1.157
50yr_24hr_SCS_Type_II_96.43mm	22:30	1.157
50yr_24hr_SCS_Type_II_96.43mm	22:45	1.157
50yr_24hr_SCS_Type_II_96.43mm	23:00	1.157
50yr_24hr_SCS_Type_II_96.43mm	23:15	1.157

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50yr_24hr_SCS_Type_II_96.43mm            23:30      1.157
50yr_24hr_SCS_Type_II_96.43mm            23:45      1.157

;SCS_Type II_65.3mm design storm, total rainfall = 65.3 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
5yr_24hr_SCS_Type_II_65.3mm            0:00       0.718
5yr_24hr_SCS_Type_II_65.3mm            0:15       0.718
5yr_24hr_SCS_Type_II_65.3mm            0:30       0.718
5yr_24hr_SCS_Type_II_65.3mm            0:45       0.718
5yr_24hr_SCS_Type_II_65.3mm            1:00       0.718
5yr_24hr_SCS_Type_II_65.3mm            1:15       0.718
5yr_24hr_SCS_Type_II_65.3mm            1:30       0.718
5yr_24hr_SCS_Type_II_65.3mm            1:45       0.718
5yr_24hr_SCS_Type_II_65.3mm            2:00       0.849
5yr_24hr_SCS_Type_II_65.3mm            2:15       0.849
5yr_24hr_SCS_Type_II_65.3mm            2:30       0.849
5yr_24hr_SCS_Type_II_65.3mm            2:45       0.849
5yr_24hr_SCS_Type_II_65.3mm            3:00       0.849
5yr_24hr_SCS_Type_II_65.3mm            3:15       0.849
5yr_24hr_SCS_Type_II_65.3mm            3:30       0.849
5yr_24hr_SCS_Type_II_65.3mm            3:45       0.849
5yr_24hr_SCS_Type_II_65.3mm            4:00       1.045
5yr_24hr_SCS_Type_II_65.3mm            4:15       1.045
5yr_24hr_SCS_Type_II_65.3mm            4:30       1.045
5yr_24hr_SCS_Type_II_65.3mm            4:45       1.045
5yr_24hr_SCS_Type_II_65.3mm            5:00       1.045
5yr_24hr_SCS_Type_II_65.3mm            5:15       1.045
5yr_24hr_SCS_Type_II_65.3mm            5:30       1.045
5yr_24hr_SCS_Type_II_65.3mm            5:45       1.045
5yr_24hr_SCS_Type_II_65.3mm            6:00       1.175
5yr_24hr_SCS_Type_II_65.3mm            6:15       1.175
5yr_24hr_SCS_Type_II_65.3mm            6:30       1.175
5yr_24hr_SCS_Type_II_65.3mm            6:45       1.175
5yr_24hr_SCS_Type_II_65.3mm            7:00       1.437
5yr_24hr_SCS_Type_II_65.3mm            7:15       1.437
5yr_24hr_SCS_Type_II_65.3mm            7:30       1.437
5yr_24hr_SCS_Type_II_65.3mm            7:45       1.437
5yr_24hr_SCS_Type_II_65.3mm            8:00       1.698
5yr_24hr_SCS_Type_II_65.3mm            8:15       1.698
5yr_24hr_SCS_Type_II_65.3mm            8:30       1.828
5yr_24hr_SCS_Type_II_65.3mm            8:45       1.828
5yr_24hr_SCS_Type_II_65.3mm            9:00       2.09
5yr_24hr_SCS_Type_II_65.3mm            9:15       2.09
5yr_24hr_SCS_Type_II_65.3mm            9:30       2.351
5yr_24hr_SCS_Type_II_65.3mm            9:45       2.351
5yr_24hr_SCS_Type_II_65.3mm            10:00      3.004
5yr_24hr_SCS_Type_II_65.3mm            10:15      3.004
5yr_24hr_SCS_Type_II_65.3mm            10:30      4.049
5yr_24hr_SCS_Type_II_65.3mm            10:45      4.049
5yr_24hr_SCS_Type_II_65.3mm            11:00      6.269
5yr_24hr_SCS_Type_II_65.3mm            11:15      6.269
5yr_24hr_SCS_Type_II_65.3mm            11:30      19.329
5yr_24hr_SCS_Type_II_65.3mm            11:45      79.927
5yr_24hr_SCS_Type_II_65.3mm            12:00      9.403
5yr_24hr_SCS_Type_II_65.3mm            12:15      9.403
5yr_24hr_SCS_Type_II_65.3mm            12:30      4.832
5yr_24hr_SCS_Type_II_65.3mm            12:45      4.832
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5yr_24hr_SCS_Type_II_65.3mm            13:00      3.526
5yr_24hr_SCS_Type_II_65.3mm            13:15      3.526
5yr_24hr_SCS_Type_II_65.3mm            13:30      2.743
5yr_24hr_SCS_Type_II_65.3mm            13:45      2.743
5yr_24hr_SCS_Type_II_65.3mm            14:00      1.959
5yr_24hr_SCS_Type_II_65.3mm            14:15      1.959
5yr_24hr_SCS_Type_II_65.3mm            14:30      1.959
5yr_24hr_SCS_Type_II_65.3mm            14:45      1.959
5yr_24hr_SCS_Type_II_65.3mm            15:00      1.959
5yr_24hr_SCS_Type_II_65.3mm            15:15      1.959
5yr_24hr_SCS_Type_II_65.3mm            15:30      1.959
5yr_24hr_SCS_Type_II_65.3mm            15:45      1.959
5yr_24hr_SCS_Type_II_65.3mm            16:00      1.175
5yr_24hr_SCS_Type_II_65.3mm            16:15      1.175
5yr_24hr_SCS_Type_II_65.3mm            16:30      1.175
5yr_24hr_SCS_Type_II_65.3mm            16:45      1.175
5yr_24hr_SCS_Type_II_65.3mm            17:00      1.175
5yr_24hr_SCS_Type_II_65.3mm            17:15      1.175
5yr_24hr_SCS_Type_II_65.3mm            17:30      1.175
5yr_24hr_SCS_Type_II_65.3mm            17:45      1.175
5yr_24hr_SCS_Type_II_65.3mm            18:00      1.175
5yr_24hr_SCS_Type_II_65.3mm            18:15      1.175
5yr_24hr_SCS_Type_II_65.3mm            18:30      1.175
5yr_24hr_SCS_Type_II_65.3mm            18:45      1.175
5yr_24hr_SCS_Type_II_65.3mm            19:00      1.175
5yr_24hr_SCS_Type_II_65.3mm            19:15      1.175
5yr_24hr_SCS_Type_II_65.3mm            19:30      1.175
5yr_24hr_SCS_Type_II_65.3mm            19:45      1.175
5yr_24hr_SCS_Type_II_65.3mm            20:00      0.784
5yr_24hr_SCS_Type_II_65.3mm            20:15      0.784
5yr_24hr_SCS_Type_II_65.3mm            20:30      0.784
5yr_24hr_SCS_Type_II_65.3mm            20:45      0.784
5yr_24hr_SCS_Type_II_65.3mm            21:00      0.784
5yr_24hr_SCS_Type_II_65.3mm            21:15      0.784
5yr_24hr_SCS_Type_II_65.3mm            21:30      0.784
5yr_24hr_SCS_Type_II_65.3mm            21:45      0.784
5yr_24hr_SCS_Type_II_65.3mm            22:00      0.784
5yr_24hr_SCS_Type_II_65.3mm            22:15      0.784
5yr_24hr_SCS_Type_II_65.3mm            22:30      0.784
5yr_24hr_SCS_Type_II_65.3mm            22:45      0.784
5yr_24hr_SCS_Type_II_65.3mm            23:00      0.784
5yr_24hr_SCS_Type_II_65.3mm            23:15      0.784
5yr_24hr_SCS_Type_II_65.3mm            23:30      0.784
5yr_24hr_SCS_Type_II_65.3mm            23:45      0.784

;SCS_Type II_105.53mm design storm, total rainfall = 105.53 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
SCS_Type_II_100YR_24HR_105.53mm_15min          0:00       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          0:15       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          0:30       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          0:45       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          1:00       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          1:15       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          1:30       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          1:45       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min          2:00       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min          2:15       1.372
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SCS_Type_II_100YR_24HR_105.53mm_15min	2:30	1.372
SCS_Type_II_100YR_24HR_105.53mm_15min	2:45	1.372
SCS_Type_II_100YR_24HR_105.53mm_15min	3:00	1.372
SCS_Type_II_100YR_24HR_105.53mm_15min	3:15	1.372
SCS_Type_II_100YR_24HR_105.53mm_15min	3:30	1.372
SCS_Type_II_100YR_24HR_105.53mm_15min	3:45	1.372
SCS_Type_II_100YR_24HR_105.53mm_15min	4:00	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	4:15	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	4:30	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	4:45	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	5:00	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	5:15	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	5:30	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	5:45	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	6:00	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	6:15	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	6:30	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	6:45	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	7:00	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	7:15	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	7:30	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	7:45	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	8:00	2.744
SCS_Type_II_100YR_24HR_105.53mm_15min	8:15	2.744
SCS_Type_II_100YR_24HR_105.53mm_15min	8:30	2.955
SCS_Type_II_100YR_24HR_105.53mm_15min	8:45	2.955
SCS_Type_II_100YR_24HR_105.53mm_15min	9:00	3.377
SCS_Type_II_100YR_24HR_105.53mm_15min	9:15	3.377
SCS_Type_II_100YR_24HR_105.53mm_15min	9:30	3.799
SCS_Type_II_100YR_24HR_105.53mm_15min	9:45	3.799
SCS_Type_II_100YR_24HR_105.53mm_15min	10:00	4.854
SCS_Type_II_100YR_24HR_105.53mm_15min	10:15	4.854
SCS_Type_II_100YR_24HR_105.53mm_15min	10:30	6.543
SCS_Type_II_100YR_24HR_105.53mm_15min	10:45	6.543
SCS_Type_II_100YR_24HR_105.53mm_15min	11:00	10.131
SCS_Type_II_100YR_24HR_105.53mm_15min	11:15	10.131
SCS_Type_II_100YR_24HR_105.53mm_15min	11:30	31.237
SCS_Type_II_100YR_24HR_105.53mm_15min	11:45	129.169
SCS_Type_II_100YR_24HR_105.53mm_15min	12:00	15.196
SCS_Type_II_100YR_24HR_105.53mm_15min	12:15	15.196
SCS_Type_II_100YR_24HR_105.53mm_15min	12:30	7.809
SCS_Type_II_100YR_24HR_105.53mm_15min	12:45	7.809
SCS_Type_II_100YR_24HR_105.53mm_15min	13:00	5.699
SCS_Type_II_100YR_24HR_105.53mm_15min	13:15	5.699
SCS_Type_II_100YR_24HR_105.53mm_15min	13:30	4.432
SCS_Type_II_100YR_24HR_105.53mm_15min	13:45	4.432
SCS_Type_II_100YR_24HR_105.53mm_15min	14:00	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	14:15	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	14:30	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	14:45	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:00	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:15	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:30	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:45	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	16:00	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	16:15	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	16:30	1.9

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SCS_Type_II_100YR_24HR_105.53mm_15min            16:45      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            17:00      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            17:15      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            17:30      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            17:45      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            18:00      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            18:15      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            18:30      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            18:45      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            19:00      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            19:15      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            19:30      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            19:45      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            20:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            20:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            20:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            20:45      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:45      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:45      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:45      1.266

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

[TAGS]
Subcatch   CA-1             Developed
Subcatch   CA-2             Developed
Subcatch   CA-3             Developed
Subcatch   CA-4             Undeveloped
Subcatch   CA-5             Undeveloped
Subcatch   CA-6             Undeveloped
Subcatch   CA-7             Undeveloped
Subcatch   CA-8             Undeveloped
Subcatch   CA-9             Undeveloped
Subcatch   EX-1             External
Subcatch   EX-2             External
Subcatch   EX-3             External
Subcatch   EX-4             External

[MAP]
DIMENSIONS       405531.2856      4973538.49145    409373.1544      4975882.16355
UNITS            Meters
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[COORDINATES]
;;Node           X-Coord            Y-Coord
;;-------------- ------------------ ------------------
J_Dummy          409188.524         4975553.026
OF-1             406202.75          4974136.759
OF-2             406558.27          4973829.244
OF-3             407547.737         4973711.917
OF-4             405839.152         4974539.302
OF-5             405705.916         4974693.25

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

[POLYGONS]
;;Subcatchment   X-Coord            Y-Coord
;;-------------- ------------------ ------------------
CA-1             406591.577         4974136.955
CA-1             406584.522         4974136.684
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CA-1             406496.5           4974260
CA-1             406497             4974260
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EX-1	407311.698	4974938.698
EX-1	407312.398	4974936.898
EX-1	407315.693	4974932.193
EX-1	407318.171	4974930.226
EX-1	407318.511	4974928.501
EX-1	407320.87	4974926.87
EX-1	407321.779	4974924.779
EX-1	407323.597	4974923.097
EX-1	407324.302	4974921.302
EX-1	407325.57	4974920.57
EX-1	407328.135	4974917.135
EX-1	407330.22	4974915.72
EX-1	407332.302	4974911.302
EX-1	407334.602	4974910.102
EX-1	407339.586	4974902.597

EX-1	407341.22	4974902.165
EX-1	407341.5	4974900.5
EX-1	407338.199	4974900.311
EX-1	407337.812	4974899.87
EX-1	407338.15	4974897.839
EX-1	407335.727	4974895.784
EX-1	407335.839	4974894.338
EX-1	407337.692	4974891.865
EX-1	407337.628	4974891.316
EX-1	407334.78	4974887.72
EX-1	407334.528	4974886.027
EX-1	407336.296	4974882.522
EX-1	407335.916	4974881.689
EX-1	407337.37	4974880.87
EX-1	407341.748	4974876.248
EX-1	407345.666	4974870.403
EX-1	407343.752	4974869.248
EX-1	407342.903	4974868.107
EX-1	407342.744	4974867.188
EX-1	407343.795	4974865.522
EX-1	407341.705	4974863.478
EX-1	407343.22	4974860.108
EX-1	407342.719	4974859.28
EX-1	407340.034	4974858.467
EX-1	407339.743	4974857.188
EX-1	407340.295	4974856.022
EX-1	407338.436	4974853.37
EX-1	407340.775	4974851.275
EX-1	407342.693	4974850.693
EX-1	407344.425	4974847.425
EX-1	407346.284	4974846.784
EX-1	407347.597	4974845.598
EX-1	407347.614	4974841.114
EX-1	407350.687	4974839.37
EX-1	407349.808	4974837.875
EX-1	407350.398	4974836.897
EX-1	407353.688	4974834.871
EX-1	407355.522	4974835.466
EX-1	407359.075	4974832.575
EX-1	407360.397	4974830.397
EX-1	407364.07	4974828.07
EX-1	407365.194	4974825.694
EX-1	407368.279	4974821.79
EX-1	407367.367	4974818.812
EX-1	407369.8	4974815.972
EX-1	407369.835	4974811.28
EX-1	407371.495	4974811.006
EX-1	407374.973	4974811.472
EX-1	407377.559	4974810.613
EX-1	407378.87	4974810.698
EX-1	407379.784	4974809.784
EX-1	407380.506	4974806.732
EX-1	407383.942	4974808.886
EX-1	407385.887	4974808.387
EX-1	407386.93	4974806.93
EX-1	407389.365	4974805.865
EX-1	407396.022	4974797.022

EX-1	407402.748	4974789.748
EX-1	407409.747	4974780.747
EX-1	407412.962	4974778.473
EX-1	407414.902	4974774.902
EX-1	407421.978	4974766.978
EX-1	407426.247	4974761.247
EX-1	407432.076	4974755.576
EX-1	407435.397	4974750.397
EX-1	407440.72	4974743.73
EX-1	407440.092	4974740.091
EX-1	407441.56	4974737.505
EX-1	407442.773	4974736.5
EX-1	407441.302	4974733.629
EX-1	407442.914	4974730.914
EX-1	407444.344	4974726.844
EX-1	407445.961	4974724.973
EX-1	407445.72	4974723.78
EX-1	407443.425	4974722.575
EX-1	407442.867	4974721.688
EX-1	407443.592	4974716.897
EX-1	407441.307	4974713.693
EX-1	407439.79	4974712.721
EX-1	407437.744	4974712.301
EX-1	407439.027	4974709.527
EX-1	407441.37	4974707.37
EX-1	407442.297	4974705.808
EX-1	407443.87	4974705.698
EX-1	407445.312	4974704.812
EX-1	407447.274	4974702.774
EX-1	407451.027	4974700.199
EX-1	407452.973	4974701.027
EX-1	407454.722	4974704.779
EX-1	407459.022	4974705.467
EX-1	407460.656	4974705.156
EX-1	407462.972	4974702.972
EX-1	407464.006	4974700.561
EX-1	407465.58	4974700.069
EX-1	407466.903	4974698.404
EX-1	407473.311	4974698.256
EX-1	407476.075	4974695.575
EX-1	407477.881	4974691.437
EX-1	407477.596	4974690.403
EX-1	407476.2	4974688.972
EX-1	407476.592	4974687.592
EX-1	407478.193	4974686.693
EX-1	407480.189	4974682.189
EX-1	407482.472	4974679.972
EX-1	407483.527	4974678.038
EX-1	407485	4974678.011
EX-1	407490.006	4974680.822
EX-1	407492.064	4974680.075
EX-1	407492.414	4974676.086
EX-1	407490.586	4974671.414
EX-1	407490.011	4974666
EX-1	407490.386	4974663.559
EX-1	407489.36	4974661.812
EX-1	407489.318	4974660.694

EX-1	407489.393	4974660.221
EX-1	407491.278	4974659.779
EX-1	407491.822	4974658.994
EX-1	407491.436	4974655.925
EX-1	407494.247	4974654.747
EX-1	407496.128	4974651.807
EX-1	407490.785	4974646.727
EX-1	407488.108	4974647.38
EX-1	407486.725	4974645.775
EX-1	407483.774	4974644.226
EX-1	407482.743	4974642.812
EX-1	407482.909	4974640.581
EX-1	407482.07	4974637.93
EX-1	407477.635	4974636.365
EX-1	407475.716	4974633.784
EX-1	407474.87	4974631.63
EX-1	407473.097	4974629.903
EX-1	407470.903	4974629.097
EX-1	407467.398	4974626.102
EX-1	407465.33	4974623.397
EX-1	407467.059	4974622.124
EX-1	407468.521	4974622.795
EX-1	407469.081	4974622.569
EX-1	407469.751	4974620.694
EX-1	407465.796	4974617.704
EX-1	407465.35	4974616.715
EX-1	407468.075	4974613.576
EX-1	407468.38	4974612.564
EX-1	407466.816	4974610.855
EX-1	407465.903	4974610.542
EX-1	407465.279	4974608.221
EX-1	407463.113	4974605.887
EX-1	407462.619	4974603.064
EX-1	407463.778	4974601.289
EX-1	407463.574	4974599.925
EX-1	407459.21	4974597.845
EX-1	407456.909	4974598.909
EX-1	407454.307	4974598.693
EX-1	407453.597	4974596.903
EX-1	407450.587	4974593.914
EX-1	407450.387	4974590.113
EX-1	407448.103	4974587.397
EX-1	407445.334	4974585.722
EX-1	407441.006	4974587.322
EX-1	407440.065	4974586.436
EX-1	407439.564	4974583.925
EX-1	407432.125	4974580.864
EX-1	407411.403	4974559.597
EX-1	407410.716	4974557.339
EX-1	407410.778	4974555.211
EX-1	407406.931	4974552.57
EX-1	407406.779	4974550.167
EX-1	407405.602	4974548.398
EX-1	407403.726	4974546.786
EX-1	407402.774	4974546.786
EX-1	407401.221	4974548.721
EX-1	407399.779	4974549.279

```
EX-1             407397.403         4974551.28
EX-1             407396.472         4974552.79
EX-1             407393.226         4974549.775
EX-1             407391.721         4974549.722
EX-1             407391.092         4974550.592
EX-1             407390.575         4974553.563
EX-1             407390.022         4974553.794
EX-1             407388.785         4974552.727
EX-1             407387.802         4974552.812
EX-1             407386.495         4974556.995
EX-1             407385.312         4974558.628
EX-1             407384.897         4974558.537
EX-1             407382.575         4974554.925
EX-1             407378.425         4974552.575
EX-1             407377.226         4974550.774
EX-1             407375.731         4974549.769
EX-1             407374.135         4974549.307
EX-1             407372.978         4974550.295
EX-1             407370.775         4974549.226
EX-1             407370.308         4974548.135
EX-1             407371.881         4974546.882
EX-1             407371.784         4974545.216
EX-1             407368.431         4974542.08
EX-1             407368.381         4974539.608
EX-1             407365.807         4974537.365
EX-1             407365.859         4974536.086
EX-1             407364.721         4974534.779
EX-1             407363.575         4974531.425
EX-1             407360.79          4974529.71
EX-1             407356.215         4974528.113
EX-1             407355.698         4974527.301
EX-1             407354.302         4974526.698
EX-1             407353.097         4974524.903
EX-1             407351.302         4974524.198
EX-1             407348.28          4974520.73
EX-1             407348.403         4974519.402
EX-1             407361.097         4974504.597
EX-1             407361.467         4974503.478
EX-1             407361.097         4974501.903
EX-1             407358.603         4974498.397
EX-1             407353.902         4974493.598
EX-1             407353.189         4974491.811
EX-1             407352.972         4974475.528
EX-1             407352.597         4974474.403
EX-1             407349.705         4974471.109
EX-1             407165.956         4974692.539
EX-1             406927.158         4974980.924
EX-1             406627.029         4975344.123
......
Too many subcatchment entities (13 in total).

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

PCSWMM Post-Development Model - 1:2 Year 2 Hour Chicago Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                      Data       Recording
  Name                 Data Source                    Type       Interval
  ------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600 2yr_Chicago_2h
OF-2
  CA-2                        26.09    401.46      8.00    0.8500 2yr_Chicago_2h
OF-1
  CA-3                         3.42    136.98     13.00    1.7820 2yr_Chicago_2h
OF-1
  CA-4                        49.75    284.28      0.00    2.0000 2yr_Chicago_2h
OF-2
  CA-5                        22.94    902.67      0.00    2.0000 2yr_Chicago_2h
OF-3
  CA-6                         5.07    337.85      0.00    2.0000 2yr_Chicago_2h
OF-1
  CA-7                        11.56    385.26      0.00    1.5000 2yr_Chicago_2h
OF-4
  CA-8                         1.63    108.91      0.00    1.0000 2yr_Chicago_2h
OF-5
  CA-9                         5.67    141.63      0.00    2.0000 2yr_Chicago_2h
OF-5
  EX-1                        25.12    279.07      0.00    1.0000 2yr_Chicago_2h
OF-2
```

```
  EX-2                      15.71    241.65      0.00    1.0000 2yr_Chicago_2h
OF-5
  EX-3                       1.20    120.37      0.00    2.0000 2yr_Chicago_2h
OF-5
  EX-4                       1.72    143.65      0.00    1.5000 2yr_Chicago_2h
OF-5


  ************
  Node Summary
  ************
                                          Invert      Max.    Ponded    External
  Name                 Type                Elev.     Depth      Area    Inflow
  ---------------------------------------------------------------------------
  J_Dummy              JUNCTION            1.00      1.00       0.0
  OF-1                 OUTFALL           134.84      0.00       0.0
  OF-2                 OUTFALL             0.00      0.00       0.0
  OF-3                 OUTFALL           133.92      0.00       0.0
  OF-4                 OUTFALL           133.99      0.00       0.0
  OF-5                 OUTFALL           133.99      0.00       0.0


  ****************
  Transect Summary
  ****************

  Transect 3
  Area:
              0.0004    0.0014    0.0028    0.0045    0.0067
              0.0093    0.0122    0.0155    0.0191    0.0228
              0.0267    0.0309    0.0354    0.0402    0.0453
              0.0507    0.0564    0.0623    0.0685    0.0748
              0.0814    0.0883    0.0954    0.1030    0.1123
              0.1257    0.1418    0.1604    0.1864    0.2166
              0.2472    0.2782    0.3096    0.3415    0.3745
              0.4099    0.4466    0.4841    0.5219    0.5610
              0.6010    0.6416    0.6827    0.7242    0.7670
              0.8117    0.8571    0.9034    0.9511    1.0000
  Hrad:
              0.0282    0.0605    0.0901    0.1160    0.1383
              0.1640    0.1924    0.2246    0.2593    0.2934
              0.3249    0.3547    0.3763    0.3976    0.4236
              0.4513    0.4804    0.5094    0.5390    0.5685
              0.5965    0.6225    0.6436    0.6476    0.6408
              0.6242    0.6080    0.5923    0.3098    0.3537
              0.3982    0.4428    0.4867    0.5236    0.5521
              0.5601    0.5973    0.6386    0.6790    0.7029
              0.7409    0.7798    0.8208    0.8608    0.8623
              0.8950    0.9291    0.9584    0.9754    1.0000
  Width:
              0.0154    0.0231    0.0302    0.0379    0.0469
              0.0549    0.0619    0.0672    0.0714    0.0754
              0.0798    0.0845    0.0911    0.0980    0.1037
              0.1089    0.1137    0.1185    0.1230    0.1274
              0.1321    0.1372    0.1434    0.1539    0.2286
              0.2940    0.3355    0.4032    0.5871    0.5974
              0.6056    0.6131    0.6206    0.6363    0.6619
```

0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494
0.1627 0.1765 0.1907 0.2055 0.2210
0.2371 0.2536 0.2710 0.2896 0.3093
0.3311 0.3546 0.3796 0.4059 0.4339
0.4629 0.4931 0.5242 0.5566 0.5907
0.6263 0.6635 0.7024 0.7431 0.7845
0.8263 0.8687 0.9117 0.9555 1.0000
Hrad:
0.0249 0.0481 0.0682 0.0921 0.1224
0.1531 0.1775 0.1996 0.2259 0.2539
0.2841 0.3125 0.3374 0.3595 0.3818
0.4078 0.4356 0.4616 0.4873 0.5113
0.5357 0.5618 0.5858 0.6032 0.6237

```
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Surcharge Method ......... EXTRAN
Starting Date ............ 07/15/2026 00:00:00
Ending Date .............. 07/16/2026 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......         4.962        28.344
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         4.741        27.083
Surface Runoff ...........         0.017         0.095
Final Storage ............         0.205         1.172
Continuity Error (%) .....        -0.023


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         0.017         0.166
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
```

External Inflow	0.000	0.000
External Outflow	0.017	0.166
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

****
Subcatchment Runoff Summary
****

Subcatchment	Precip mm	Runon mm	Evap mm	Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	28.34	0.00	0.00	26.43	3.08	0.92	0.92	0.05	0.01	0.033
CA-2	28.34	0.00	0.00	27.10	2.30	0.16	0.16	0.04	0.01	0.006
CA-3	28.34	0.00	0.00	26.22	3.73	1.10	1.10	0.04	0.01	0.039
CA-4	28.34	0.00	0.00	27.13	0.00	0.00	0.00	0.00	0.00	0.000
CA-5	28.34	0.00	0.00	27.08	0.00	0.00	0.00	0.00	0.00	0.000
CA-6	28.34	0.00	0.00	27.13	0.00	0.00	0.00	0.00	0.00	0.000
CA-7	28.34	0.00	0.00	27.18	0.00	0.05	0.05	0.01	0.00	0.002
CA-8	28.34	0.00	0.00	27.20	0.00	0.00	0.00	0.00	0.00	0.000
CA-9	28.34	0.00	0.00	27.18	0.00	0.05	0.05	0.00	0.00	0.002
EX-1	28.34	0.00	0.00	27.18	0.00	0.02	0.02	0.00	0.00	0.001
EX-2	28.34	0.00	0.00	27.11	0.00	0.05	0.05	0.01	0.00	0.002
EX-3	28.34	0.00	0.00	27.04	0.00	0.10	0.10	0.00	0.00	0.003
EX-4	28.34	0.00	0.00	26.16	0.00	1.00	1.00	0.02	0.00	0.035

Analysis begun on: Fri Nov 6 15:33:44 2026
Analysis ended on: Fri Nov 6 15:33:45 2026
Total elapsed time: 00:00:01

PCSWMM Post-Development Model - 1:2 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ----------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
2yr_24hr_SCS_Type_II_50.71mm OF-2
  CA-2                        26.09    401.46      8.00    0.8500
2yr_24hr_SCS_Type_II_50.71mm OF-1
  CA-3                         3.42    136.98     13.00    1.7820
2yr_24hr_SCS_Type_II_50.71mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
2yr_24hr_SCS_Type_II_50.71mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
2yr_24hr_SCS_Type_II_50.71mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
2yr_24hr_SCS_Type_II_50.71mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
2yr_24hr_SCS_Type_II_50.71mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
2yr_24hr_SCS_Type_II_50.71mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
2yr_24hr_SCS_Type_II_50.71mm OF-5
  EX-1                        25.12    279.07      0.00    1.0000
2yr_24hr_SCS_Type_II_50.71mm OF-2
```

EX-2	15.71	241.65	0.00	1.0000	
2yr_24hr_SCS_Type_II_50.71mm	OF-5				
EX-3	1.20	120.37	0.00	2.0000	
2yr_24hr_SCS_Type_II_50.71mm	OF-5				
EX-4	1.72	143.65	0.00	1.5000	
2yr_24hr_SCS_Type_II_50.71mm	OF-5				

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670
0.8117	0.8571	0.9034	0.9511	1.0000

Hrad:

0.0282	0.0605	0.0901	0.1160	0.1383
0.1640	0.1924	0.2246	0.2593	0.2934
0.3249	0.3547	0.3763	0.3976	0.4236
0.4513	0.4804	0.5094	0.5390	0.5685
0.5965	0.6225	0.6436	0.6476	0.6408
0.6242	0.6080	0.5923	0.3098	0.3537
0.3982	0.4428	0.4867	0.5236	0.5521
0.5601	0.5973	0.6386	0.6790	0.7029
0.7409	0.7798	0.8208	0.8608	0.8623
0.8950	0.9291	0.9584	0.9754	1.0000

Width:

0.0154	0.0231	0.0302	0.0379	0.0469
0.0549	0.0619	0.0672	0.0714	0.0754
0.0798	0.0845	0.0911	0.0980	0.1037
0.1089	0.1137	0.1185	0.1230	0.1274
0.1321	0.1372	0.1434	0.1539	0.2286
0.2940	0.3355	0.4032	0.5871	0.5974
0.6056	0.6131	0.6206	0.6363	0.6619

0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494
0.1627 0.1765 0.1907 0.2055 0.2210
0.2371 0.2536 0.2710 0.2896 0.3093
0.3311 0.3546 0.3796 0.4059 0.4339
0.4629 0.4931 0.5242 0.5566 0.5907
0.6263 0.6635 0.7024 0.7431 0.7845
0.8263 0.8687 0.9117 0.9555 1.0000
Hrad:
0.0249 0.0481 0.0682 0.0921 0.1224
0.1531 0.1775 0.1996 0.2259 0.2539
0.2841 0.3125 0.3374 0.3595 0.3818
0.4078 0.4356 0.4616 0.4873 0.5113
0.5357 0.5618 0.5858 0.6032 0.6237

```
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Surcharge Method ......... EXTRAN
Starting Date ............ 07/15/2026 00:00:00
Ending Date .............. 07/16/2026 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......         8.877        50.712
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         5.947        33.974
Surface Runoff ...........         1.031         5.891
Final Storage ............         1.903        10.869
Continuity Error (%) .....        -0.043


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         1.028        10.284
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
```

External Inflow	0.000	0.000
External Outflow	1.028	10.284
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	50.71	0.00	0.00	31.34	5.46	12.90	12.90	0.67	0.04	0.254
CA-2	50.71	0.00	0.00	31.83	4.06	8.75	8.75	2.28	0.07	0.173
CA-3	50.71	0.00	0.00	30.98	6.60	13.27	13.27	0.45	0.03	0.262
CA-4	50.71	0.00	0.00	34.60	0.00	3.01	3.01	1.50	0.04	0.059
CA-5	50.71	0.00	0.00	40.76	0.00	0.39	0.39	0.09	0.01	0.008
CA-6	50.71	0.00	0.00	34.60	0.00	8.18	8.18	0.41	0.02	0.161
CA-7	50.71	0.00	0.00	32.34	0.00	9.66	9.66	1.12	0.04	0.190
CA-8	50.71	0.00	0.00	36.08	0.00	5.84	5.84	0.10	0.00	0.115
CA-9	50.71	0.00	0.00	32.34	0.00	9.41	9.41	0.53	0.02	0.186
EX-1	50.71	0.00	0.00	32.34	0.00	6.15	6.15	1.54	0.04	0.121
EX-2	50.71	0.00	0.00	31.72	0.00	7.83	7.83	1.23	0.03	0.154
EX-3	50.71	0.00	0.00	32.93	0.00	10.96	10.96	0.13	0.01	0.216
EX-4	50.71	0.00	0.00	29.69	0.00	14.64	14.64	0.25	0.02	0.289

Analysis begun on: Fri Nov 6 15:35:48 2026
Analysis ended on: Fri Nov 6 15:35:48 2026
Total elapsed time: < 1 sec

PCSWMM Post-Development Model - 1:5 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ----------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
5yr_24hr_SCS_Type_II_65.3mm OF-2
  CA-2                        26.09    401.46      8.00    0.8500
5yr_24hr_SCS_Type_II_65.3mm OF-1
  CA-3                         3.42    136.98     13.00    1.7820
5yr_24hr_SCS_Type_II_65.3mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
5yr_24hr_SCS_Type_II_65.3mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
5yr_24hr_SCS_Type_II_65.3mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
5yr_24hr_SCS_Type_II_65.3mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
5yr_24hr_SCS_Type_II_65.3mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
5yr_24hr_SCS_Type_II_65.3mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
5yr_24hr_SCS_Type_II_65.3mm OF-5
  EX-1                        25.12    279.07      0.00    1.0000
5yr_24hr_SCS_Type_II_65.3mm OF-2
```

```
  EX-2                       15.71    241.65      0.00    1.0000
5yr_24hr_SCS_Type_II_65.3mm OF-5
  EX-3                        1.20    120.37      0.00    2.0000
5yr_24hr_SCS_Type_II_65.3mm OF-5
  EX-4                        1.72    143.65      0.00    1.5000
5yr_24hr_SCS_Type_II_65.3mm OF-5


  ************
  Node Summary
  ************
                                          Invert      Max.    Ponded    External
  Name                 Type                Elev.     Depth      Area    Inflow
  ----------------------------------------------------------------------------
  J_Dummy              JUNCTION            1.00      1.00       0.0
  OF-1                 OUTFALL           134.84      0.00       0.0
  OF-2                 OUTFALL             0.00      0.00       0.0
  OF-3                 OUTFALL           133.92      0.00       0.0
  OF-4                 OUTFALL           133.99      0.00       0.0
  OF-5                 OUTFALL           133.99      0.00       0.0


  ****************
  Transect Summary
  ****************

  Transect 3
  Area:
              0.0004     0.0014     0.0028     0.0045     0.0067
              0.0093     0.0122     0.0155     0.0191     0.0228
              0.0267     0.0309     0.0354     0.0402     0.0453
              0.0507     0.0564     0.0623     0.0685     0.0748
              0.0814     0.0883     0.0954     0.1030     0.1123
              0.1257     0.1418     0.1604     0.1864     0.2166
              0.2472     0.2782     0.3096     0.3415     0.3745
              0.4099     0.4466     0.4841     0.5219     0.5610
              0.6010     0.6416     0.6827     0.7242     0.7670
              0.8117     0.8571     0.9034     0.9511     1.0000
  Hrad:
              0.0282     0.0605     0.0901     0.1160     0.1383
              0.1640     0.1924     0.2246     0.2593     0.2934
              0.3249     0.3547     0.3763     0.3976     0.4236
              0.4513     0.4804     0.5094     0.5390     0.5685
              0.5965     0.6225     0.6436     0.6476     0.6408
              0.6242     0.6080     0.5923     0.3098     0.3537
              0.3982     0.4428     0.4867     0.5236     0.5521
              0.5601     0.5973     0.6386     0.6790     0.7029
              0.7409     0.7798     0.8208     0.8608     0.8623
              0.8950     0.9291     0.9584     0.9754     1.0000
  Width:
              0.0154     0.0231     0.0302     0.0379     0.0469
              0.0549     0.0619     0.0672     0.0714     0.0754
              0.0798     0.0845     0.0911     0.0980     0.1037
              0.1089     0.1137     0.1185     0.1230     0.1274
              0.1321     0.1372     0.1434     0.1539     0.2286
              0.2940     0.3355     0.4032     0.5871     0.5974
              0.6056     0.6131     0.6206     0.6363     0.6619
```

0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494
0.1627 0.1765 0.1907 0.2055 0.2210
0.2371 0.2536 0.2710 0.2896 0.3093
0.3311 0.3546 0.3796 0.4059 0.4339
0.4629 0.4931 0.5242 0.5566 0.5907
0.6263 0.6635 0.7024 0.7431 0.7845
0.8263 0.8687 0.9117 0.9555 1.0000
Hrad:
0.0249 0.0481 0.0682 0.0921 0.1224
0.1531 0.1775 0.1996 0.2259 0.2539
0.2841 0.3125 0.3374 0.3595 0.3818
0.4078 0.4356 0.4616 0.4873 0.5113
0.5357 0.5618 0.5858 0.6032 0.6237

```
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......        11.431        65.300
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         7.025        40.134
Surface Runoff ...........         2.137        12.208
Final Storage ............         2.275        12.994
Continuity Error (%) .....        -0.055


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         2.132        21.322
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
```

External Inflow	0.000	0.000
External Outflow	2.132	21.322
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	65.30	0.00	0.00	37.07	7.03	21.33	21.33	1.10	0.08	0.327
CA-2	65.30	0.00	0.00	37.55	5.23	16.25	16.25	4.24	0.15	0.249
CA-3	65.30	0.00	0.00	36.74	8.50	21.70	21.70	0.74	0.06	0.332
CA-4	65.30	0.00	0.00	40.82	0.00	7.67	7.67	3.81	0.10	0.117
CA-5	65.30	0.00	0.00	49.69	0.00	4.27	4.27	0.98	0.03	0.065
CA-6	65.30	0.00	0.00	40.82	0.00	16.12	16.12	0.82	0.05	0.247
CA-7	65.30	0.00	0.00	37.71	0.00	18.16	18.16	2.10	0.10	0.278
CA-8	65.30	0.00	0.00	42.91	0.00	12.99	12.99	0.21	0.01	0.199
CA-9	65.30	0.00	0.00	37.71	0.00	17.82	17.82	1.01	0.04	0.273
EX-1	65.30	0.00	0.00	37.71	0.00	12.96	12.96	3.25	0.09	0.198
EX-2	65.30	0.00	0.00	36.87	0.00	15.55	15.55	2.44	0.08	0.238
EX-3	65.30	0.00	0.00	38.52	0.00	19.68	19.68	0.24	0.02	0.301
EX-4	65.30	0.00	0.00	34.16	0.00	24.45	24.45	0.42	0.05	0.374

Analysis begun on: Fri Nov 6 15:36:27 2026
Analysis ended on: Fri Nov 6 15:36:27 2026
Total elapsed time: < 1 sec

PCSWMM Post-Development Model - 1:10 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ----------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ----------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
10yr_24hr_SCS_Type_II_75mm OF-2
  CA-2                        26.09    401.46      8.00    0.8500
10yr_24hr_SCS_Type_II_75mm OF-1
  CA-3                         3.42    136.98     13.00    1.7820
10yr_24hr_SCS_Type_II_75mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
10yr_24hr_SCS_Type_II_75mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
10yr_24hr_SCS_Type_II_75mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-5
  EX-1                        25.12    279.07      0.00    1.0000
10yr_24hr_SCS_Type_II_75mm OF-2
```

```
  EX-2                       15.71    241.65      0.00    1.0000
10yr_24hr_SCS_Type_II_75mm OF-5
  EX-3                        1.20    120.37      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-5
  EX-4                        1.72    143.65      0.00    1.5000
10yr_24hr_SCS_Type_II_75mm OF-5


  ************
  Node Summary
  ************
                                          Invert      Max.    Ponded    External
  Name                 Type                Elev.     Depth      Area    Inflow
  ------------------------------------------------------------------------------
  J_Dummy              JUNCTION             1.00      1.00       0.0
  OF-1                 OUTFALL            134.84      0.00       0.0
  OF-2                 OUTFALL              0.00      0.00       0.0
  OF-3                 OUTFALL            133.92      0.00       0.0
  OF-4                 OUTFALL            133.99      0.00       0.0
  OF-5                 OUTFALL            133.99      0.00       0.0


  ****************
  Transect Summary
  ****************

  Transect 3
  Area:
              0.0004     0.0014     0.0028     0.0045     0.0067
              0.0093     0.0122     0.0155     0.0191     0.0228
              0.0267     0.0309     0.0354     0.0402     0.0453
              0.0507     0.0564     0.0623     0.0685     0.0748
              0.0814     0.0883     0.0954     0.1030     0.1123
              0.1257     0.1418     0.1604     0.1864     0.2166
              0.2472     0.2782     0.3096     0.3415     0.3745
              0.4099     0.4466     0.4841     0.5219     0.5610
              0.6010     0.6416     0.6827     0.7242     0.7670
              0.8117     0.8571     0.9034     0.9511     1.0000
  Hrad:
              0.0282     0.0605     0.0901     0.1160     0.1383
              0.1640     0.1924     0.2246     0.2593     0.2934
              0.3249     0.3547     0.3763     0.3976     0.4236
              0.4513     0.4804     0.5094     0.5390     0.5685
              0.5965     0.6225     0.6436     0.6476     0.6408
              0.6242     0.6080     0.5923     0.3098     0.3537
              0.3982     0.4428     0.4867     0.5236     0.5521
              0.5601     0.5973     0.6386     0.6790     0.7029
              0.7409     0.7798     0.8208     0.8608     0.8623
              0.8950     0.9291     0.9584     0.9754     1.0000
  Width:
              0.0154     0.0231     0.0302     0.0379     0.0469
              0.0549     0.0619     0.0672     0.0714     0.0754
              0.0798     0.0845     0.0911     0.0980     0.1037
              0.1089     0.1137     0.1185     0.1230     0.1274
              0.1321     0.1372     0.1434     0.1539     0.2286
              0.2940     0.3355     0.4032     0.5871     0.5974
              0.6056     0.6131     0.6206     0.6363     0.6619
```

0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494
0.1627 0.1765 0.1907 0.2055 0.2210
0.2371 0.2536 0.2710 0.2896 0.3093
0.3311 0.3546 0.3796 0.4059 0.4339
0.4629 0.4931 0.5242 0.5566 0.5907
0.6263 0.6635 0.7024 0.7431 0.7845
0.8263 0.8687 0.9117 0.9555 1.0000
Hrad:
0.0249 0.0481 0.0682 0.0921 0.1224
0.1531 0.1775 0.1996 0.2259 0.2539
0.2841 0.3125 0.3374 0.3595 0.3818
0.4078 0.4356 0.4616 0.4873 0.5113
0.5357 0.5618 0.5858 0.6032 0.6237

```
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Surcharge Method ......... EXTRAN
Starting Date ............ 07/15/2026 00:00:00
Ending Date .............. 07/16/2026 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......        13.129        75.000
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         7.651        43.705
Surface Runoff ...........         3.005        17.167
Final Storage ............         2.481        14.174
Continuity Error (%) .....        -0.061


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         2.999        29.990
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
```

External Inflow	0.000	0.000
External Outflow	2.999	29.990
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff 10^6 ltr	Total Runoff CMS	Peak Runoff	Runoff Coeff
CA-1	75.00	0.00	0.00	40.39	8.07	27.44	27.44	1.42	0.13	0.366
CA-2	75.00	0.00	0.00	40.85	6.01	21.88	21.88	5.71	0.22	0.292
CA-3	75.00	0.00	0.00	40.09	9.77	27.80	27.80	0.95	0.09	0.371
CA-4	75.00	0.00	0.00	44.41	0.00	11.60	11.60	5.77	0.15	0.155
CA-5	75.00	0.00	0.00	55.11	0.00	7.86	7.86	1.80	0.05	0.105
CA-6	75.00	0.00	0.00	44.41	0.00	21.98	21.98	1.11	0.08	0.293
CA-7	75.00	0.00	0.00	40.75	0.00	24.40	24.40	2.82	0.15	0.325
CA-8	75.00	0.00	0.00	46.89	0.00	18.35	18.35	0.30	0.01	0.245
CA-9	75.00	0.00	0.00	40.75	0.00	24.02	24.02	1.36	0.07	0.320
EX-1	75.00	0.00	0.00	40.75	0.00	18.27	18.27	4.59	0.14	0.244
EX-2	75.00	0.00	0.00	39.77	0.00	21.40	21.40	3.36	0.12	0.285
EX-3	75.00	0.00	0.00	41.71	0.00	26.01	26.01	0.31	0.04	0.347
EX-4	75.00	0.00	0.00	36.64	0.00	31.48	31.48	0.54	0.08	0.420

Analysis begun on: Fri Nov 6 15:37:11 2026
Analysis ended on: Fri Nov 6 15:37:11 2026
Total elapsed time: < 1 sec

PCSWMM Post-Development Model - 1:25 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ----------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
25yr_24hr_SCS_Type_II_87.28mm OF-2
  CA-2                        26.09    401.46      8.00    0.8500
25yr_24hr_SCS_Type_II_87.28mm OF-1
  CA-3                         3.42    136.98     13.00    1.7820
25yr_24hr_SCS_Type_II_87.28mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
25yr_24hr_SCS_Type_II_87.28mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
25yr_24hr_SCS_Type_II_87.28mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
25yr_24hr_SCS_Type_II_87.28mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
25yr_24hr_SCS_Type_II_87.28mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
25yr_24hr_SCS_Type_II_87.28mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
25yr_24hr_SCS_Type_II_87.28mm OF-5
  EX-1                        25.12    279.07      0.00    1.0000
25yr_24hr_SCS_Type_II_87.28mm OF-2
```

EX-2	15.71	241.65	0.00	1.0000
25yr_24hr_SCS_Type_II_87.28mm OF-5				
EX-3	1.20	120.37	0.00	2.0000
25yr_24hr_SCS_Type_II_87.28mm OF-5				
EX-4	1.72	143.65	0.00	1.5000
25yr_24hr_SCS_Type_II_87.28mm OF-5				

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670
0.8117	0.8571	0.9034	0.9511	1.0000

Hrad:

0.0282	0.0605	0.0901	0.1160	0.1383
0.1640	0.1924	0.2246	0.2593	0.2934
0.3249	0.3547	0.3763	0.3976	0.4236
0.4513	0.4804	0.5094	0.5390	0.5685
0.5965	0.6225	0.6436	0.6476	0.6408
0.6242	0.6080	0.5923	0.3098	0.3537
0.3982	0.4428	0.4867	0.5236	0.5521
0.5601	0.5973	0.6386	0.6790	0.7029
0.7409	0.7798	0.8208	0.8608	0.8623
0.8950	0.9291	0.9584	0.9754	1.0000

Width:

0.0154	0.0231	0.0302	0.0379	0.0469
0.0549	0.0619	0.0672	0.0714	0.0754
0.0798	0.0845	0.0911	0.0980	0.1037
0.1089	0.1137	0.1185	0.1230	0.1274
0.1321	0.1372	0.1434	0.1539	0.2286
0.2940	0.3355	0.4032	0.5871	0.5974
0.6056	0.6131	0.6206	0.6363	0.6619

0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494
0.1627 0.1765 0.1907 0.2055 0.2210
0.2371 0.2536 0.2710 0.2896 0.3093
0.3311 0.3546 0.3796 0.4059 0.4339
0.4629 0.4931 0.5242 0.5566 0.5907
0.6263 0.6635 0.7024 0.7431 0.7845
0.8263 0.8687 0.9117 0.9555 1.0000
Hrad:
0.0249 0.0481 0.0682 0.0921 0.1224
0.1531 0.1775 0.1996 0.2259 0.2539
0.2841 0.3125 0.3374 0.3595 0.3818
0.4078 0.4356 0.4616 0.4873 0.5113
0.5357 0.5618 0.5858 0.6032 0.6237

```
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Surcharge Method ......... EXTRAN
Starting Date ............ 07/15/2026 00:00:00
Ending Date .............. 07/16/2026 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......        15.278        87.277
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         8.356        47.735
Surface Runoff ...........         4.218        24.098
Final Storage ............         2.714        15.502
Continuity Error (%) .....        -0.067


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         4.210        42.105
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
```

External Inflow	0.000	0.000
External Outflow	4.210	42.105
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff 10^6 ltr	Total Runoff CMS	Peak Runoff	Runoff Coeff
CA-1	87.28	0.00	0.00	44.14	9.39	35.65	35.65	1.84	0.19	0.408
CA-2	87.28	0.00	0.00	44.56	6.99	29.57	29.57	7.72	0.33	0.339
CA-3	87.28	0.00	0.00	43.89	11.36	35.99	35.99	1.23	0.14	0.412
CA-4	87.28	0.00	0.00	48.44	0.00	17.35	17.35	8.63	0.23	0.199
CA-5	87.28	0.00	0.00	61.46	0.00	13.08	13.08	3.00	0.10	0.150
CA-6	87.28	0.00	0.00	48.44	0.00	29.91	29.91	1.52	0.14	0.343
CA-7	87.28	0.00	0.00	44.12	0.00	32.82	32.82	3.79	0.24	0.376
CA-8	87.28	0.00	0.00	51.41	0.00	25.69	25.69	0.42	0.03	0.294
CA-9	87.28	0.00	0.00	44.12	0.00	32.39	32.39	1.84	0.11	0.371
EX-1	87.28	0.00	0.00	44.12	0.00	25.69	25.69	6.45	0.21	0.294
EX-2	87.28	0.00	0.00	42.98	0.00	29.43	29.43	4.62	0.18	0.337
EX-3	87.28	0.00	0.00	45.24	0.00	34.54	34.54	0.42	0.07	0.396
EX-4	87.28	0.00	0.00	39.34	0.00	40.83	40.83	0.70	0.12	0.468

Analysis begun on: Fri Nov 6 15:37:50 2026
Analysis ended on: Fri Nov 6 15:37:50 2026
Total elapsed time: < 1 sec

PCSWMM Post-Development Model - 1:50 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                          Data       Recording
  Name                 Data Source                        Type       Interval
  ----------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
50yr_24hr_SCS_Type_II_96.43mm OF-2
  CA-2                        26.09    401.46      8.00    0.8500
50yr_24hr_SCS_Type_II_96.43mm OF-1
  CA-3                         3.42    136.98     13.00    1.7820
50yr_24hr_SCS_Type_II_96.43mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
50yr_24hr_SCS_Type_II_96.43mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
50yr_24hr_SCS_Type_II_96.43mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
50yr_24hr_SCS_Type_II_96.43mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
50yr_24hr_SCS_Type_II_96.43mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
50yr_24hr_SCS_Type_II_96.43mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
50yr_24hr_SCS_Type_II_96.43mm OF-5
  EX-1                        25.12    279.07      0.00    1.0000
50yr_24hr_SCS_Type_II_96.43mm OF-2
```

EX-2	15.71	241.65	0.00	1.0000	50yr_24hr_SCS_Type_II_96.43mm OF-5
EX-3	1.20	120.37	0.00	2.0000	50yr_24hr_SCS_Type_II_96.43mm OF-5
EX-4	1.72	143.65	0.00	1.5000	50yr_24hr_SCS_Type_II_96.43mm OF-5

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670
0.8117	0.8571	0.9034	0.9511	1.0000

Hrad:

0.0282	0.0605	0.0901	0.1160	0.1383
0.1640	0.1924	0.2246	0.2593	0.2934
0.3249	0.3547	0.3763	0.3976	0.4236
0.4513	0.4804	0.5094	0.5390	0.5685
0.5965	0.6225	0.6436	0.6476	0.6408
0.6242	0.6080	0.5923	0.3098	0.3537
0.3982	0.4428	0.4867	0.5236	0.5521
0.5601	0.5973	0.6386	0.6790	0.7029
0.7409	0.7798	0.8208	0.8608	0.8623
0.8950	0.9291	0.9584	0.9754	1.0000

Width:

0.0154	0.0231	0.0302	0.0379	0.0469
0.0549	0.0619	0.0672	0.0714	0.0754
0.0798	0.0845	0.0911	0.0980	0.1037
0.1089	0.1137	0.1185	0.1230	0.1274
0.1321	0.1372	0.1434	0.1539	0.2286
0.2940	0.3355	0.4032	0.5871	0.5974
0.6056	0.6131	0.6206	0.6363	0.6619

0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494
0.1627 0.1765 0.1907 0.2055 0.2210
0.2371 0.2536 0.2710 0.2896 0.3093
0.3311 0.3546 0.3796 0.4059 0.4339
0.4629 0.4931 0.5242 0.5566 0.5907
0.6263 0.6635 0.7024 0.7431 0.7845
0.8263 0.8687 0.9117 0.9555 1.0000
Hrad:
0.0249 0.0481 0.0682 0.0921 0.1224
0.1531 0.1775 0.1996 0.2259 0.2539
0.2841 0.3125 0.3374 0.3595 0.3818
0.4078 0.4356 0.4616 0.4873 0.5113
0.5357 0.5618 0.5858 0.6032 0.6237

```
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Surcharge Method ......... EXTRAN
Starting Date ............ 07/15/2026 00:00:00
Ending Date .............. 07/16/2026 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......        16.880        96.432
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         8.829        50.439
Surface Runoff ...........         5.192        29.660
Final Storage ............         2.871        16.401
Continuity Error (%) .....        -0.070


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         5.183        51.830
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
```

External Inflow	0.000	0.000
External Outflow	5.183	51.830
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff 10^6 ltr	Total Runoff CMS	Peak Runoff	Runoff Coeff
CA-1	96.43	0.00	0.00	46.65	10.38	42.07	42.07	2.17	0.25	0.436
CA-2	96.43	0.00	0.00	47.04	7.72	35.65	35.65	9.30	0.43	0.370
CA-3	96.43	0.00	0.00	46.43	12.55	42.38	42.38	1.45	0.18	0.440
CA-4	96.43	0.00	0.00	51.13	0.00	22.13	22.13	11.01	0.30	0.229
CA-5	96.43	0.00	0.00	65.87	0.00	17.37	17.37	3.99	0.14	0.180
CA-6	96.43	0.00	0.00	51.13	0.00	36.15	36.15	1.83	0.19	0.375
CA-7	96.43	0.00	0.00	46.35	0.00	39.41	39.41	4.56	0.32	0.409
CA-8	96.43	0.00	0.00	54.46	0.00	31.50	31.50	0.51	0.03	0.327
CA-9	96.43	0.00	0.00	46.35	0.00	38.95	38.95	2.21	0.14	0.404
EX-1	96.43	0.00	0.00	46.35	0.00	31.63	31.63	7.94	0.28	0.328
EX-2	96.43	0.00	0.00	45.08	0.00	35.77	35.77	5.62	0.24	0.371
EX-3	96.43	0.00	0.00	47.59	0.00	41.20	41.20	0.50	0.09	0.427
EX-4	96.43	0.00	0.00	41.10	0.00	48.06	48.06	0.83	0.16	0.498

Analysis begun on: Fri Nov 6 15:38:29 2026
Analysis ended on: Fri Nov 6 15:38:29 2026
Total elapsed time: < 1 sec

PCSWMM Post-Development Model - 1:100 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                          Data       Recording
  Name                 Data Source                        Type       Interval
  ---------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
SCS_Type_II_100YR_24HR_105.53mm_15min OF-2
  CA-2                        26.09    401.46      8.00    0.8500
SCS_Type_II_100YR_24HR_105.53mm_15min OF-1
  CA-3                         3.42    136.98     13.00    1.7820
SCS_Type_II_100YR_24HR_105.53mm_15min OF-1
  CA-4                        49.75    284.28      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-2
  CA-5                        22.94    902.67      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-3
  CA-6                         5.07    337.85      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-1
  CA-7                        11.56    385.26      0.00    1.5000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-4
  CA-8                         1.63    108.91      0.00    1.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
  CA-9                         5.67    141.63      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
  EX-1                        25.12    279.07      0.00    1.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-2
```

```
  EX-2                      15.71    241.65      0.00    1.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
  EX-3                       1.20    120.37      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
  EX-4                       1.72    143.65      0.00    1.5000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5


  ************
  Node Summary
  ************
                                          Invert      Max.    Ponded    External
  Name                 Type                Elev.     Depth      Area    Inflow
  ------------------------------------------------------------------------------
  J_Dummy              JUNCTION            1.00      1.00       0.0
  OF-1                 OUTFALL           134.84      0.00       0.0
  OF-2                 OUTFALL             0.00      0.00       0.0
  OF-3                 OUTFALL           133.92      0.00       0.0
  OF-4                 OUTFALL           133.99      0.00       0.0
  OF-5                 OUTFALL           133.99      0.00       0.0


  ****************
  Transect Summary
  ****************

  Transect 3
  Area:
              0.0004     0.0014     0.0028     0.0045     0.0067
              0.0093     0.0122     0.0155     0.0191     0.0228
              0.0267     0.0309     0.0354     0.0402     0.0453
              0.0507     0.0564     0.0623     0.0685     0.0748
              0.0814     0.0883     0.0954     0.1030     0.1123
              0.1257     0.1418     0.1604     0.1864     0.2166
              0.2472     0.2782     0.3096     0.3415     0.3745
              0.4099     0.4466     0.4841     0.5219     0.5610
              0.6010     0.6416     0.6827     0.7242     0.7670
              0.8117     0.8571     0.9034     0.9511     1.0000
  Hrad:
              0.0282     0.0605     0.0901     0.1160     0.1383
              0.1640     0.1924     0.2246     0.2593     0.2934
              0.3249     0.3547     0.3763     0.3976     0.4236
              0.4513     0.4804     0.5094     0.5390     0.5685
              0.5965     0.6225     0.6436     0.6476     0.6408
              0.6242     0.6080     0.5923     0.3098     0.3537
              0.3982     0.4428     0.4867     0.5236     0.5521
              0.5601     0.5973     0.6386     0.6790     0.7029
              0.7409     0.7798     0.8208     0.8608     0.8623
              0.8950     0.9291     0.9584     0.9754     1.0000
  Width:
              0.0154     0.0231     0.0302     0.0379     0.0469
              0.0549     0.0619     0.0672     0.0714     0.0754
              0.0798     0.0845     0.0911     0.0980     0.1037
              0.1089     0.1137     0.1185     0.1230     0.1274
              0.1321     0.1372     0.1434     0.1539     0.2286
              0.2940     0.3355     0.4032     0.5871     0.5974
              0.6056     0.6131     0.6206     0.6363     0.6619
```

0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494
0.1627 0.1765 0.1907 0.2055 0.2210
0.2371 0.2536 0.2710 0.2896 0.3093
0.3311 0.3546 0.3796 0.4059 0.4339
0.4629 0.4931 0.5242 0.5566 0.5907
0.6263 0.6635 0.7024 0.7431 0.7845
0.8263 0.8687 0.9117 0.9555 1.0000
Hrad:
0.0249 0.0481 0.0682 0.0921 0.1224
0.1531 0.1775 0.1996 0.2259 0.2539
0.2841 0.3125 0.3374 0.3595 0.3818
0.4078 0.4356 0.4616 0.4873 0.5113
0.5357 0.5618 0.5858 0.6032 0.6237

```
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Surcharge Method ......... EXTRAN
Starting Date ............ 07/15/2026 00:00:00
Ending Date .............. 07/16/2026 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......        18.473       105.531
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         9.261        52.906
Surface Runoff ...........         6.209        35.471
Final Storage ............         3.016        17.231
Continuity Error (%) .....        -0.073


**************************        Volume        Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         6.199        61.992
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
```

External Inflow	0.000	0.000
External Outflow	6.199	61.992
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff 10^6 ltr	Total Runoff CMS	Peak Runoff	Runoff Coeff
CA-1	105.53	0.00	0.00	48.94	11.36	48.67	48.67	2.51	0.31	0.461
CA-2	105.53	0.00	0.00	49.30	8.45	41.95	41.95	10.95	0.55	0.397
CA-3	105.53	0.00	0.00	48.76	13.74	48.95	48.95	1.68	0.22	0.464
CA-4	105.53	0.00	0.00	53.58	0.00	27.23	27.23	13.54	0.39	0.258
CA-5	105.53	0.00	0.00	69.99	0.00	21.93	21.93	5.03	0.20	0.208
CA-6	105.53	0.00	0.00	53.58	0.00	42.59	42.59	2.16	0.26	0.404
CA-7	105.53	0.00	0.00	48.35	0.00	46.19	46.19	5.34	0.42	0.438
CA-8	105.53	0.00	0.00	57.24	0.00	37.54	37.54	0.61	0.05	0.356
CA-9	105.53	0.00	0.00	48.35	0.00	45.70	45.70	2.59	0.18	0.433
EX-1	105.53	0.00	0.00	48.35	0.00	37.82	37.82	9.50	0.35	0.358
EX-2	105.53	0.00	0.00	46.98	0.00	42.33	42.33	6.65	0.30	0.401
EX-3	105.53	0.00	0.00	49.70	0.00	48.04	48.04	0.58	0.11	0.455
EX-4	105.53	0.00	0.00	42.67	0.00	55.45	55.45	0.96	0.19	0.525

Analysis begun on: Fri Nov 6 15:39:07 2026
Analysis ended on: Fri Nov 6 15:39:07 2026
Total elapsed time: < 1 sec

PCSWMM Post-Development Water Quality Model Input File

```
[TITLE]
;;Project Title/Notes
Water Quality Model

[OPTIONS]
;;Option             Value
FLOW_UNITS           CMS
INFILTRATION         HORTON
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         DEPTH
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           07/15/2026
START_TIME           00:00:00
REPORT_START_DATE    07/15/2026
REPORT_START_TIME    00:00:00
END_DATE             07/16/2026
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:01:00
WET_STEP             00:05:00
DRY_STEP             00:05:00
ROUTING_STEP         5
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              16

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

[RAINGAGES]
;;Name           Format    Interval SCF      Source
;;-------------- --------- -------- -------- ----------
2yr_Chicago_2h   INTENSITY 0:15     1.0      TIMESERIES 2yr_Chicago_2h
SCS_Type_II_100YR_24HR_105.53mm_15min INTENSITY 0:15     1.0      TIMESERIES
SCS_Type_II_100YR_24HR_105.53mm_15min

[SUBCATCHMENTS]
;;Name           Rain Gage        Outlet           Area     %Imperv  Width    %
Slope   CurbLen  SnowPack
```

```
;;-------------- ---------------- ---------------- -------- -------- -------- -----
--- -------- ----------------
CA-1             2yr_Chicago_2h   OF-2             5.1645   10.745   147.557  2.26
0
CA-2             2yr_Chicago_2h   OF-1             26.0948  8        401.458  0.85
0
CA-3             2yr_Chicago_2h   OF-1             3.4246   13       136.984  1.782
0
CA-4             2yr_Chicago_2h   OF-2             49.7485  0        284.277  2
0
CA-5             2yr_Chicago_2h   OF-3             22.9413  0        902.668  2
0
CA-6             2yr_Chicago_2h   OF-1             5.0678   0        337.853  2
0
CA-7             2yr_Chicago_2h   OF-4             11.5578  0        385.26   1.5
0
CA-8             2yr_Chicago_2h   OF-5             1.6337   0        108.913  1
0
CA-9             2yr_Chicago_2h   OF-5             5.6654   0        141.635  2
0
EX-1             2yr_Chicago_2h   OF-2             25.1164  0        279.071  1
0
EX-2             2yr_Chicago_2h   OF-5             15.7074  0        241.652  1
0
EX-3             2yr_Chicago_2h   OF-5             1.2037   0        120.37   2
0
EX-4             2yr_Chicago_2h   OF-5             1.7238   0        143.65   1.5
0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo
PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ----------
----------
CA-1             0.011      0.15       2          5          100        PERVIOUS
100
CA-2             0.011      0.182      2          5.328      100        PERVIOUS
100
CA-3             0.011      0.176      2          5.278      100        PERVIOUS
100
CA-4             0.011      0.249      2          6.025      0          OUTLET
CA-5             0.011      0.4        2          8          0          OUTLET
CA-6             0.011      0.254      2          6.101      0          OUTLET
CA-7             0.011      0.215      2          5.584      0          OUTLET
CA-8             0.011      0.28       2          6.43       0          OUTLET
CA-9             0.011      0.212      2          5.534      0          OUTLET
EX-1             0.011      0.205      2          5.454      0          OUTLET
EX-2             0.011      0.202      2          5.349      0          OUTLET
EX-3             0.011      0.216      2          5.521      0          OUTLET
EX-4             0.011      0.169      2          4.916      0          OUTLET

[INFILTRATION]
;;Subcatchment   Param1     Param2     Param3     Param4     Param5
;;-------------- ---------- ---------- ---------- ---------- ----------
CA-1             69         0.5        7          0          0
CURVE_NUMBER
CA-2             70         0.5        7          0          0
CURVE_NUMBER
CA-3             68         0.5        7          0          0
CURVE_NUMBER
```

```
CA-4             70         0.5        7          0          0
CURVE_NUMBER
CA-5             55         0.5        7          0          0
CURVE_NUMBER
CA-6             70         0.5        7          0          0
CURVE_NUMBER
CA-7             74         0.5        7          0          0
CURVE_NUMBER
CA-8             67         0.5        7          0          0
CURVE_NUMBER
CA-9             74         0.5        7          0          0
CURVE_NUMBER
EX-1             74         0.5        7          0          0
CURVE_NUMBER
EX-2             75         0.5        7          0          0
CURVE_NUMBER
EX-3             73         0.5        7          0          0
CURVE_NUMBER
EX-4             78         0.5        7          0          0
CURVE_NUMBER

[LID_CONTROLS]
;;Name           Type/Layer Parameters
;;-------------- ---------- ----------
LID-CA-1         BC
LID-CA-1         SURFACE    200        0.1        0.04       2          5
LID-CA-1         SOIL       300        0.437      0.105      0.047      60
8          60.96
LID-CA-1         STORAGE    200        0.1        0          0          NO
LID-CA-1         DRAIN      26.11      0.5        0          6          0
0

LID-CA-2         BC
LID-CA-2         SURFACE    200        0.1        0.04       2          5
LID-CA-2         SOIL       300        0.437      0.105      0.047      60
8          60.96
LID-CA-2         STORAGE    200        0.1        0          0          NO
LID-CA-2         DRAIN      26.11      0.6        0          6          0
0

LID-CA-3         BC
LID-CA-3         SURFACE    200        0.1        0.04       2          5
LID-CA-3         SOIL       300        0.437      0.105      0.047      60
8          60.96
LID-CA-3         STORAGE    200        0.1        0          0          NO
LID-CA-3         DRAIN      52.23      0.6        0          6          0
0

[LID_USAGE]
;;Subcatchment   LID Process      Number  Area       Width      InitSat    FromImp
ToPerv     RptFile                  DrainTo          FromPerv
;;-------------- ---------------- ------- ---------- ---------- ---------- --------
-- ---------- ----------------------- ---------------- ----------
CA-1             LID-CA-1         1       730        2.6        0          100
0          *                        *                100
CA-2             LID-CA-2         1       730        2.6        0          100
0          *                        *                100
CA-3             LID-CA-3         1       370        2.6        0          100
0          *                        *                100
```

```
[JUNCTIONS]
;;Name           Elevation  MaxDepth   InitDepth  SurDepth   Aponded
;;-------------- ---------- ---------- ---------- ---------- ----------
J_Dummy          1          1          0          0          0

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated    Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
OF-1             134.84     FREE                        NO
OF-2             0          FREE                        NO
OF-3             133.92     FREE                        NO
OF-4             133.99     FREE                        NO
OF-5             133.99     FREE                        NO

[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Transect created from transect line: 12
NC 0.01     0.01     0.01
X1 3                 175      0        0        0.0      0.0      0.0      0.0
0.0
GR 299.998  0        300      1        300.004  5        300.003  6        299.991
7
GR 299.971  8        299.945  9        299.915  10       299.893  11       299.88
12
GR 299.87   13       299.865  14       299.836  16       299.817  17       299.796
18
GR 299.773  19       299.752  20       299.729  21       299.701  22       299.672
23
GR 299.642  24       299.617  25       299.589  26       299.563  27       299.539
28
GR 299.519  29       299.506  30       299.504  31       299.506  32       299.504
33
GR 299.5    34       299.497  35       299.49   36       299.478  37       299.451
38
GR 299.407  39       299.359  40       299.307  41       299.259  42       299.221
43
GR 299.179  44       299.146  45       299.076  47       299.019  49       299.004
50
GR 299      51       298.998  52       298.987  53       298.96   54       298.913
55
GR 298.861  56       298.819  57       298.779  58       298.744  59       298.721
60
GR 298.699  61       298.682  62       298.661  63       298.646  64       298.633
65
GR 298.628  66       298.628  67       298.633  69       298.627  70       298.608
72
GR 298.594  73       298.559  75       298.522  77       298.507  78       298.491
79
GR 298.466  80       298.42   81       298.367  82       298.302  83       298.246
84
GR 298.184  85       298.138  86       298.096  87       298.052  88       298.016
89
GR 297.989  90       297.977  91       297.993  92       298.003  93       297.977
94
GR 297.899  95       297.805  96       297.688  97       297.568  98       297.423
99
GR 297.233  100      297.003  101      296.799  102      296.626  103      296.432
104
```

```
GR 296.234  105      296.062  106      295.955  107      295.881  108      295.811
109
GR 295.752  110      295.683  111      295.6    112      295.494  113      295.399
114
GR 295.341  115      295.375  116      295.439  117      295.582  118      295.787
119
GR 296.029  120      296.301  121      296.478  122      296.568  123      296.666
124
GR 296.817  125      296.981  126      297.15   127      297.324  128      297.473
129
GR 297.54   130      297.642  132      297.71   133      297.785  134      297.867
135
GR 297.953  136      297.993  137      298.003  138      297.992  139      297.983
140
GR 297.983  141      297.992  142      298      143      297.997  144      297.985
145
GR 297.978  146      297.983  147      297.983  148      297.976  149      297.911
150
GR 297.902  151      297.91   152      297.917  153      297.932  154      297.95
155
GR 297.97   156      297.984  157      297.994  158      297.999  159      298.001
164
GR 298      165      297.994  168      297.997  171      297.996  172      297.984
173
GR 297.968  174      297.95   175      297.93   176      297.914  177      297.899
178
GR 297.888  179      297.878  180      297.865  181      297.85   182      297.817
184
GR 297.788  186      297.777  187      297.758  189      297.75   190      297.741
191
GR 297.658  202      297.653  203      297.646  204      297.629  208      297.611
213.572024439975
;
;Transect created from transect line: 13
NC 0.01     0.01     0.01
X1 4                192      0        0        0.0      0.0      0.0      0.0
0.0
GR 299.78   0        299.735  1        299.64   3        299.588  4        299.544
5
GR 299.508  6        299.498  7        299.5    8        299.5    9        299.488
10
GR 299.456  11       299.426  12       299.405  13       299.37   15       299.327
17
GR 299.268  19       299.237  20       299.205  21       299.176  22       299.145
23
GR 299.118  24       299.09   25       298.987  29       298.956  30       298.924
31
GR 298.845  33       298.799  34       298.751  35       298.712  36       298.671
37
GR 298.646  38       298.618  39       298.603  40       298.584  41       298.54
43
GR 298.51   44       298.47   45       298.371  46       298.233  47       298.07
48
GR 297.923  49       297.79   50       297.656  51       297.518  52       297.364
53
GR 297.203  54       297.034  55       296.862  56       296.658  57       296.478
58
GR 296.017  60       295.782  61       295.521  62       295.288  63       295.042
64
GR 294.814  65       294.639  66       294.494  67       294.422  68       294.402
```

```
GR 294.316  70      294.236  71      294.194  72      294.128  73      294.07
74
GR 293.979  75      293.861  76      293.747  77      293.598  78      293.465
79
GR 293.354  80      293.229  81      293.121  82      292.977  83      292.786
84
GR 292.589  85      292.336  86      292.065  87      291.834  88      291.544
89
GR 291.331  90      291.206  91      291.058  92      290.898  93      290.652
94
GR 290.369  95      290.128  96      289.922  97      289.758  98      289.607
99
GR 289.492  100     289.428  101     289.371  102     289.335  103     289.376
104
GR 289.467  105     289.565  106     289.64   107     289.696  108     289.723
109
GR 289.731  110     289.727  111     289.72   112     289.731  113     289.764
114
GR 289.808  115     289.901  116     290.018  117     290.222  118     290.508
119
GR 290.791  120     291.162  121     291.577  122     291.955  123     292.323
124
GR 292.675  125     293.064  126     293.507  127     293.879  128     294.31
129
GR 294.68   130     295.078  131     295.487  132     295.853  133     296.729
135
GR 297.024  136     297.225  137     297.307  138     297.31   139     297.301
140
GR 297.294  141     297.344  142     297.353  143     297.375  145     297.346
146
GR 297.338  147     297.365  148     297.322  149     297.29   150     297.252
151
GR 297.236  152     297.206  153     297.175  154     297.192  155     297.203
156
GR 297.268  157     297.38   158     297.486  159     297.633  160     297.817
161
GR 297.97   162     298.144  163     298.315  164     298.533  165     298.813
166
GR 298.996  167     299.069  168     299.061  169     299.029  170     299
171
GR 299.018  172     299.116  173     299.26   174     299.387  175     299.509
176
GR 299.641  177     299.811  178     299.962  179     300.04   180     300.088
181
GR 300.167  182     300.341  184     300.419  185     300.481  186     300.558
187
GR 300.655  188     300.748  189     300.853  190     300.935  191     301.021
192
GR 301.104  193     301.17   194     301.25   195     301.326  196     301.389
197
GR 301.461  198     301.52   199     301.588  200     301.662  201     301.732
202
GR 301.804  203     301.869  203.889727129499
;
;Transect created from transect line: 14
NC 0.01     0.01     0.01
X1 5                202      0       0       0.0      0.0      0.0      0.0
0.0
GR 297.219  0       297.142  1       297.063  2       296.928  4       296.851
5
```

GR 296.762 6 296.675 7 296.595 8 296.539 9 296.487 10
GR 296.4 11 296.3 12 296.191 13 296.068 14 295.932 15
GR 295.793 16 295.628 17 295.503 18 295.401 19 295.286 20
GR 295.158 21 295.016 22 294.868 23 294.734 24 294.58 25
GR 294.472 26 294.379 27 294.301 28 294.226 29 294.083 31
GR 294.014 32 293.921 33 293.809 34 293.66 35 293.458 36
GR 293.206 37 292.969 38 292.81 39 292.7 40 292.555 41
GR 292.415 42 292.173 43 291.829 44 291.455 45 291.117 46
GR 290.801 47 290.497 48 290.103 49 289.672 50 289.236 51
GR 288.83 52 288.463 53 288.136 54 287.877 55 287.695 56
GR 287.507 57 287.339 58 287.164 59 286.979 60 286.754 61
GR 286.539 62 286.364 63 286.226 64 286.082 65 285.959 66
GR 285.851 67 285.753 68 285.649 69 285.526 70 285.333 71
GR 285.115 72 284.972 73 284.869 74 284.79 75 284.717 76
GR 284.652 77 284.588 78 284.521 79 284.452 80 284.381 81
GR 284.296 82 284.214 83 284.13 84 284.039 85 283.945 86
GR 283.876 87 283.959 88 284.127 89 284.364 90 284.576 91
GR 284.793 92 285.003 93 285.233 94 285.48 95 285.733 96
GR 285.969 97 286.258 98 286.58 99 286.92 100 287.215 101
GR 287.433 102 287.613 103 287.798 104 287.976 105 288.187 106
GR 288.401 107 288.576 108 288.754 109 288.927 110 289.074 111
GR 289.379 113 289.534 114 289.719 115 289.891 116 290.028 117
GR 290.138 118 290.243 119 290.341 120 290.465 121 290.632 122
GR 290.817 123 290.973 124 291.083 125 291.164 126 291.229 127
GR 291.289 128 291.347 129 291.466 131 291.506 132 291.566 134
GR 291.631 135 291.72 136 291.851 137 291.977 138 292.003 139
GR 291.959 140 291.892 141 291.86 142 291.87 143 291.909 144
GR 291.946 145 291.995 146 292.047 147 292.104 148 292.159 149
GR 292.206 150 292.244 151 292.275 152 292.302 153 292.331 154
GR 292.37 155 292.426 156 292.494 157 292.564 158 292.632 159

```
GR 292.698  160      292.82   162      292.864  163      292.901  164      292.93
165
GR 292.965  166      292.998  167      293.046  168      293.118  169      293.223
170
GR 293.298  171      293.361  172      293.412  173      293.483  174      293.544
175
GR 293.616  176      293.709  177      293.827  178      294.01   180      294.126
181
GR 294.21   182      294.274  183      294.325  184      294.384  185      294.429
186
GR 294.482  187      294.534  188      294.605  189      294.643  190      294.678
191
GR 294.727  192      294.8    193      294.838  194      294.883  195      294.999
197
GR 295.03   198      295.071  199      295.156  200      295.198  201      295.241
203
GR 295.29   204      295.351  205      295.391  206      295.414  207      295.465
208
GR 295.505  209      295.543  209.75527624512

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;Chicago design storm, a = 539.021628740197, b = 0, c = 0.76, Duration = 120
minutes, r = 0.35, rain interval = 15 minutes, rain units = mm/hr.
2yr_Chicago_2h              0:00       3.992
2yr_Chicago_2h              0:15       6.312
2yr_Chicago_2h              0:30       68.83
2yr_Chicago_2h              0:45       12.379
2yr_Chicago_2h              1:00       8.116
2yr_Chicago_2h              1:15       5.641
2yr_Chicago_2h              1:30       4.423
2yr_Chicago_2h              1:45       3.682
2yr_Chicago_2h              2:00       0

;SCS_Type II_105.53mm design storm, total rainfall = 105.53 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
SCS_Type_II_100YR_24HR_105.53mm_15min            0:00       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            0:15       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            0:30       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            0:45       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            1:00       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            1:15       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            1:30       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            1:45       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            2:00       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min            2:15       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min            2:30       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min            2:45       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min            3:00       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min            3:15       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min            3:30       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min            3:45       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min            4:00       1.688
SCS_Type_II_100YR_24HR_105.53mm_15min            4:15       1.688
SCS_Type_II_100YR_24HR_105.53mm_15min            4:30       1.688
SCS_Type_II_100YR_24HR_105.53mm_15min            4:45       1.688
SCS_Type_II_100YR_24HR_105.53mm_15min            5:00       1.688
```

SCS_Type_II_100YR_24HR_105.53mm_15min	5:15	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	5:30	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	5:45	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	6:00	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	6:15	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	6:30	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	6:45	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	7:00	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	7:15	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	7:30	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	7:45	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	8:00	2.744
SCS_Type_II_100YR_24HR_105.53mm_15min	8:15	2.744
SCS_Type_II_100YR_24HR_105.53mm_15min	8:30	2.955
SCS_Type_II_100YR_24HR_105.53mm_15min	8:45	2.955
SCS_Type_II_100YR_24HR_105.53mm_15min	9:00	3.377
SCS_Type_II_100YR_24HR_105.53mm_15min	9:15	3.377
SCS_Type_II_100YR_24HR_105.53mm_15min	9:30	3.799
SCS_Type_II_100YR_24HR_105.53mm_15min	9:45	3.799
SCS_Type_II_100YR_24HR_105.53mm_15min	10:00	4.854
SCS_Type_II_100YR_24HR_105.53mm_15min	10:15	4.854
SCS_Type_II_100YR_24HR_105.53mm_15min	10:30	6.543
SCS_Type_II_100YR_24HR_105.53mm_15min	10:45	6.543
SCS_Type_II_100YR_24HR_105.53mm_15min	11:00	10.131
SCS_Type_II_100YR_24HR_105.53mm_15min	11:15	10.131
SCS_Type_II_100YR_24HR_105.53mm_15min	11:30	31.237
SCS_Type_II_100YR_24HR_105.53mm_15min	11:45	129.169
SCS_Type_II_100YR_24HR_105.53mm_15min	12:00	15.196
SCS_Type_II_100YR_24HR_105.53mm_15min	12:15	15.196
SCS_Type_II_100YR_24HR_105.53mm_15min	12:30	7.809
SCS_Type_II_100YR_24HR_105.53mm_15min	12:45	7.809
SCS_Type_II_100YR_24HR_105.53mm_15min	13:00	5.699
SCS_Type_II_100YR_24HR_105.53mm_15min	13:15	5.699
SCS_Type_II_100YR_24HR_105.53mm_15min	13:30	4.432
SCS_Type_II_100YR_24HR_105.53mm_15min	13:45	4.432
SCS_Type_II_100YR_24HR_105.53mm_15min	14:00	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	14:15	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	14:30	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	14:45	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:00	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:15	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:30	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:45	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	16:00	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	16:15	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	16:30	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	16:45	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	17:00	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	17:15	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	17:30	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	17:45	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	18:00	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	18:15	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	18:30	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	18:45	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	19:00	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	19:15	1.9

```
SCS_Type_II_100YR_24HR_105.53mm_15min            19:30      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            19:45      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            20:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            20:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            20:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            20:45      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:45      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:45      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:45      1.266

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

[TAGS]
Subcatch   CA-1             Developed
Subcatch   CA-2             Developed
Subcatch   CA-3             Developed
Subcatch   CA-4             Undeveloped
Subcatch   CA-5             Undeveloped
Subcatch   CA-6             Undeveloped
Subcatch   CA-7             Undeveloped
Subcatch   CA-8             Undeveloped
Subcatch   CA-9             Undeveloped
Subcatch   EX-1             External
Subcatch   EX-2             External
Subcatch   EX-3             External
Subcatch   EX-4             External

[MAP]
DIMENSIONS       405531.2856      4973538.49145    409373.1544      4975882.16355
UNITS            Meters

[COORDINATES]
;;Node           X-Coord            Y-Coord
;;-------------- ------------------ ------------------
J_Dummy          409188.524         4975553.026
OF-1             406202.75          4974136.759
OF-2             406558.27          4973829.244
OF-3             407547.737         4973711.917
OF-4             405839.152         4974539.302
OF-5             405705.916         4974693.25

[VERTICES]
```

```
;;Link           X-Coord            Y-Coord
;;-------------- ------------------ ------------------

[POLYGONS]
;;Subcatchment   X-Coord            Y-Coord
;;-------------- ------------------ ------------------
CA-1             406591.577         4974136.955
CA-1             406584.522         4974136.684
CA-1             406477.401         4974266
CA-1             406488             4974266
CA-1             406488             4974265.5
CA-1             406488.5           4974265.5
CA-1             406488.5           4974265
CA-1             406489             4974265
CA-1             406489             4974264.5
CA-1             406489.5           4974264.5
CA-1             406489.5           4974264
CA-1             406490             4974264
CA-1             406490             4974263.5
CA-1             406490.5           4974263.5
CA-1             406490.5           4974263
CA-1             406491             4974263
CA-1             406491             4974262.5
CA-1             406491.5           4974262.5
CA-1             406491.5           4974262
CA-1             406492             4974262
CA-1             406492             4974261.5
CA-1             406492.5           4974261.5
CA-1             406492.5           4974261
CA-1             406493             4974261
CA-1             406493             4974260.5
CA-1             406493.5           4974260.5
CA-1             406493.5           4974260
CA-1             406494             4974260
CA-1             406494             4974259.5
CA-1             406494.5           4974259.5
CA-1             406494.5           4974259
CA-1             406495             4974259
CA-1             406495             4974258.5
CA-1             406495.5           4974258.5
CA-1             406495.5           4974257.5
CA-1             406496             4974257.5
CA-1             406496             4974259
CA-1             406496.5           4974259
CA-1             406496.5           4974260
CA-1             406497             4974260
CA-1             406497             4974261
CA-1             406497.5           4974261
CA-1             406497.5           4974262
CA-1             406498             4974262
CA-1             406498             4974262.5
CA-1             406498.5           4974262.5
CA-1             406498.5           4974263
CA-1             406499             4974263
CA-1             406499             4974264
CA-1             406499.5           4974264
CA-1             406499.5           4974264.5
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CA-1	406500	4974264.5
CA-1	406500	4974265
CA-1	406500.5	4974265
CA-1	406500.5	4974265.5
CA-1	406501	4974265.5
CA-1	406501	4974266
CA-1	406501.5	4974266
CA-1	406501.5	4974266.5
CA-1	406502	4974266.5
CA-1	406502	4974267
CA-1	406503	4974267
CA-1	406503	4974267.5
CA-1	406503.5	4974267.5
CA-1	406503.5	4974268
CA-1	406505	4974268
CA-1	406505	4974268.5
CA-1	406506.5	4974268.5
CA-1	406506.5	4974269
CA-1	406519	4974269
CA-1	406519	4974268.5
CA-1	406519.5	4974268.5
CA-1	406519.5	4974268
CA-1	406520	4974268
CA-1	406520	4974267.5
CA-1	406520.5	4974267.5
CA-1	406520.5	4974267
CA-1	406521	4974267
CA-1	406521	4974252
CA-1	406521.5	4974252
CA-1	406521.5	4974249.5
CA-1	406522	4974249.5
CA-1	406522	4974247.5
CA-1	406522.5	4974247.5
CA-1	406522.5	4974246
CA-1	406523	4974246
CA-1	406523	4974244
CA-1	406523.5	4974244
CA-1	406523.5	4974242.5
CA-1	406524	4974242.5
CA-1	406524	4974241
CA-1	406524.5	4974241
CA-1	406524.5	4974239.5
CA-1	406525	4974239.5
CA-1	406525	4974238
CA-1	406525.5	4974238
CA-1	406525.5	4974236.5
CA-1	406526	4974236.5
CA-1	406526	4974235
CA-1	406526.5	4974235
CA-1	406526.5	4974234
CA-1	406527	4974234
CA-1	406527	4974233.5
CA-1	406527.5	4974233.5
CA-1	406527.5	4974233
CA-1	406528	4974233
CA-1	406528	4974232
CA-1	406528.5	4974232

CA-1	406528.5	4974231.5
CA-1	406529	4974231.5
CA-1	406529	4974231
CA-1	406529.5	4974231
CA-1	406529.5	4974230.5
CA-1	406530	4974230.5
CA-1	406530	4974230
CA-1	406530.5	4974230
CA-1	406530.5	4974229.5
CA-1	406531	4974229.5
CA-1	406531	4974229
CA-1	406531.5	4974229
CA-1	406531.5	4974228.5
CA-1	406532	4974228.5
CA-1	406532	4974228
CA-1	406532.5	4974228
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EX-1             406927.158         4974980.924
EX-1             406627.029         4975344.123
......
Too many subcatchment entities (13 in total).

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

PCSWMM Post-Development Water Quality Model - 1:2 Year 4 Hour Chicago Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Water Quality Model

  *************
  Element Count
  *************
  Number of rain gages ...... 4
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                      Data       Recording
  Name                 Data Source                    Type       Interval
  ----------------------------------------------------------------------
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  2yr_Chicago_3h       2yr_Chicago_3h                 INTENSITY   15 min.
  2yr_Chicago_4h       2yr_Chicago_4h                 INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ----------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600 2yr_Chicago_2h
OF-1
  CA-2                        26.09    401.46      8.00    0.8500 2yr_Chicago_2h
OF-1
  CA-3                         3.42    136.98     13.00    1.7820 2yr_Chicago_2h
OF-1
  CA-4                        49.75    284.28      0.00    2.0000 2yr_Chicago_2h
OF-2
  CA-5                        22.94    902.67      0.00    2.0000 2yr_Chicago_2h
OF-3
  CA-6                         5.07    337.85      0.00    2.0000 2yr_Chicago_2h
OF-1
  CA-7                        11.56    385.26      0.00    1.5000 2yr_Chicago_2h
OF-4
  CA-8                         1.63    108.91      0.00    1.0000 2yr_Chicago_2h
OF-5
  CA-9                         5.67    141.63      0.00    2.0000 2yr_Chicago_2h
OF-5
  EX-1                        25.12    279.07      0.00    1.0000 2yr_Chicago_2h
OF-2
  EX-2                        15.71    241.65      0.00    1.0000 2yr_Chicago_2h
OF-5
```

EX-3	1.20	120.37	0.00	2.0000	2yr_Chicago_2h OF-5
EX-4	1.72	143.65	0.00	1.5000	2yr_Chicago_2h OF-5

****
LID Control Summary
****

Subcatchment	LID Control	No. of Units	Unit Area	Unit Width	% Area Covered	% Imperv Treated	% Perv Treated
CA-1	LID-CA-1	1	730.00	2.60	1.41	100.00	100.00
CA-2	LID-CA-2	1	730.00	2.60	0.28	100.00	100.00
CA-3	LID-CA-3	1	370.00	2.60	1.08	100.00	100.00

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670
0.8117	0.8571	0.9034	0.9511	1.0000

Hrad:

0.0282	0.0605	0.0901	0.1160	0.1383
0.1640	0.1924	0.2246	0.2593	0.2934
0.3249	0.3547	0.3763	0.3976	0.4236
0.4513	0.4804	0.5094	0.5390	0.5685

0.5965 0.6225 0.6436 0.6476 0.6408
0.6242 0.6080 0.5923 0.3098 0.3537
0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000
Width:
0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4
Area:
0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000
Hrad:
0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000
Width:
0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5
Area:
0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448

```
            0.0529     0.0614     0.0705     0.0802     0.0904
            0.1013     0.1126     0.1244     0.1367     0.1494
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Surcharge Method ......... EXTRAN
Starting Date ............ 07/15/2026 00:00:00
Ending Date .............. 07/16/2026 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Initial LID Storage ......         0.003         0.015
```

Total Precipitation	4.962	28.344
Evaporation Loss	0.000	0.000
Infiltration Loss	4.736	27.056
Surface Runoff	0.004	0.022
LID Drainage	0.015	0.084
Final Storage	0.211	1.204
Continuity Error (%)	-0.023	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.019	0.185
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	0.019	0.185
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	28.34	0.00	0.00	26.06	3.04	0.92	1.07	0.06	0.00	0.038
CA-2	28.34	0.00	0.00	27.03	2.29	0.16	0.19	0.05	0.00	0.007
CA-3	28.34	0.00	0.00	25.94	3.69	1.09	1.21	0.04	0.00	0.043
CA-4	28.34	0.00	0.00	27.13	0.00	0.00	0.00	0.00	0.00	0.000
CA-5	28.34	0.00	0.00	27.08	0.00	0.00	0.00	0.00	0.00	0.000
CA-6	28.34	0.00	0.00	27.13	0.00	0.00	0.00	0.00	0.00	0.000
CA-7	28.34	0.00	0.00	27.18	0.00	0.05	0.05	0.01	0.00	0.002
CA-8	28.34	0.00	0.00	27.20	0.00	0.00	0.00	0.00	0.00	0.000
CA-9	28.34	0.00	0.00	27.18	0.00	0.05	0.05	0.00	0.00	0.002

```
  EX-1                       28.34       0.00       0.00      27.18       0.00
0.02       0.02        0.00     0.00   0.001
  EX-2                       28.34       0.00       0.00      27.11       0.00
0.05       0.05        0.01     0.00   0.002
  EX-3                       28.34       0.00       0.00      27.04       0.00
0.10       0.10        0.00     0.00   0.003
  EX-4                       28.34       0.00       0.00      26.16       0.00
1.00       1.00        0.02     0.00   0.035


  ***********************
  LID Performance Summary
  ***********************

  ---------------------------------------------------------------------------------
----------------------------------
                                          Total      Evap     Infil   Surface
Drain    Initial     Final  Continuity
                                         Inflow      Loss      Loss   Outflow
Outflow   Storage   Storage       Error
  Subcatchment      LID Control             mm        mm        mm        mm
mm        mm        mm           %
  ---------------------------------------------------------------------------------
----------------------------------
  CA-1              LID-CA-1             93.26      0.00      0.00      0.00
75.86     14.10     31.50       -0.00
  CA-2              LID-CA-2             85.76      0.00      0.00      0.00
68.36     14.10     31.50       -0.00
  CA-3              LID-CA-3            129.63      0.00      0.00      0.00
112.36     14.10     31.50       -0.09

  Analysis begun on:  Tue Oct 27 13:42:46 2026
  Analysis ended on:  Tue Oct 27 13:42:46 2026
  Total elapsed time: < 1 sec
```

PCSWMM Post-Development Water Quality Model - 1:100 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Water Quality Model

  *************
  Element Count
  *************
  Number of rain gages ...... 2
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ----------------------------------------------------------------------------
  2yr_Chicago_2h       2yr_Chicago_2h                   INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
SCS_Type_II_100YR_24HR_105.53mm_15min OF-2
  CA-2                        26.09    401.46      8.00    0.8500
SCS_Type_II_100YR_24HR_105.53mm_15min OF-1
  CA-3                         3.42    136.98     13.00    1.7820
SCS_Type_II_100YR_24HR_105.53mm_15min OF-1
  CA-4                        49.75    284.28      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-2
  CA-5                        22.94    902.67      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-3
  CA-6                         5.07    337.85      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-1
  CA-7                        11.56    385.26      0.00    1.5000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-4
  CA-8                         1.63    108.91      0.00    1.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
  CA-9                         5.67    141.63      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
  EX-1                        25.12    279.07      0.00    1.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-2
  EX-2                        15.71    241.65      0.00    1.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
  EX-3                         1.20    120.37      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
```

EX-4 1.72 143.65 0.00 1.5000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5

****
LID Control Summary
****

Subcatchment	LID Control	No. of Units	Unit Area	Unit Width	% Area Covered	% Imperv Treated	% Perv Treated
CA-1	LID-CA-1	1	730.00	2.60	1.41	100.00	100.00
CA-2	LID-CA-2	1	730.00	2.60	0.28	100.00	100.00
CA-3	LID-CA-3	1	370.00	2.60	1.08	100.00	100.00

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670
0.8117	0.8571	0.9034	0.9511	1.0000

Hrad:

0.0282	0.0605	0.0901	0.1160	0.1383
0.1640	0.1924	0.2246	0.2593	0.2934
0.3249	0.3547	0.3763	0.3976	0.4236
0.4513	0.4804	0.5094	0.5390	0.5685
0.5965	0.6225	0.6436	0.6476	0.6408
0.6242	0.6080	0.5923	0.3098	0.3537

0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000

Width:

0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4

Area:

0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000

Hrad:

0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000

Width:

0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

Transect 5

Area:

0.0006 0.0022 0.0048 0.0085 0.0130
0.0180 0.0237 0.0300 0.0371 0.0448
0.0529 0.0614 0.0705 0.0802 0.0904
0.1013 0.1126 0.1244 0.1367 0.1494

```
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Surcharge Method ......... EXTRAN
Starting Date ............ 07/15/2026 00:00:00
Ending Date .............. 07/16/2026 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:05:00
Dry Time Step ............ 00:05:00


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Initial LID Storage ......         0.003         0.015
Total Precipitation ......        18.473       105.531
Evaporation Loss .........         0.000         0.000
```

Infiltration Loss	9.252	52.854
Surface Runoff	6.027	34.433
LID Drainage	0.133	0.762
Final Storage	3.076	17.573
Continuity Error (%)	-0.073	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	6.151	61.508
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	6.151	61.508
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	105.53	0.00	0.00	48.24	11.19	48.01	45.14	2.33	0.32	0.428
CA-2	105.53	0.00	0.00	49.16	8.43	41.85	41.15	10.74	0.57	0.390
CA-3	105.53	0.00	0.00	48.23	13.59	48.45	46.24	1.58	0.24	0.438
CA-4	105.53	0.00	0.00	53.58	0.00	27.23	27.23	13.54	0.39	0.258
CA-5	105.53	0.00	0.00	69.99	0.00	21.93	21.93	5.03	0.20	0.208
CA-6	105.53	0.00	0.00	53.58	0.00	42.59	42.59	2.16	0.26	0.404
CA-7	105.53	0.00	0.00	48.35	0.00	46.19	46.19	5.34	0.42	0.438
CA-8	105.53	0.00	0.00	57.24	0.00	37.54	37.54	0.61	0.05	0.356
CA-9	105.53	0.00	0.00	48.35	0.00	45.70	45.70	2.59	0.18	0.433
EX-1	105.53	0.00	0.00	48.35	0.00	37.82	37.82	9.50	0.35	0.358

```
  EX-2                      105.53       0.00       0.00      46.98       0.00
42.33      42.33        6.65     0.30   0.401
  EX-3                      105.53       0.00       0.00      49.70       0.00
48.04      48.04        0.58     0.11   0.455
  EX-4                      105.53       0.00       0.00      42.67       0.00
55.45      55.45        0.96     0.19   0.525


  ***********************
  LID Performance Summary
  ***********************

  ------------------------------------------------------------------------------
----------------------------------
                                          Total      Evap     Infil   Surface
Drain    Initial     Final  Continuity
                                         Inflow      Loss      Loss   Outflow
Outflow   Storage   Storage       Error
  Subcatchment      LID Control             mm        mm        mm        mm
mm        mm        mm           %
  ------------------------------------------------------------------------------
----------------------------------
  CA-1              LID-CA-1           3502.22      0.00      0.00   2465.15
728.12     14.10    323.11       -0.00
  CA-2              LID-CA-2          15065.34      0.00      0.00  13982.65
725.92     14.10    371.09       -0.00
  CA-3              LID-CA-3           4589.77      0.00      0.00   3543.67
736.08     14.10    324.15       -0.00

  Analysis begun on:  Fri Nov  6 15:42:33 2026
  Analysis ended on:  Fri Nov  6 15:42:33 2026
  Total elapsed time: < 1 sec
```

PCSWMM Post-Development Water Quantity Model Input File

```
[TITLE]
;;Project Title/Notes
Water Quantity Model

[OPTIONS]
;;Option             Value
FLOW_UNITS           CMS
INFILTRATION         HORTON
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         DEPTH
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           07/15/2026
START_TIME           00:00:00
REPORT_START_DATE    07/15/2026
REPORT_START_TIME    00:00:00
END_DATE             07/16/2026
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:01:00
WET_STEP             00:05:00
DRY_STEP             00:05:00
ROUTING_STEP         5
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              16

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

[RAINGAGES]
;;Name           Format    Interval SCF      Source
;;-------------- --------- -------- -------- ----------
10yr_24hr_SCS_Type_II_75mm INTENSITY 0:15     1.0      TIMESERIES
10yr_24hr_SCS_Type_II_75mm
25yr_24hr_SCS_Type_II_87.28mm INTENSITY 0:15     1.0      TIMESERIES
25yr_24hr_SCS_Type_II_87.28mm
2yr_24hr_SCS_Type_II_50.71mm INTENSITY 0:15     1.0      TIMESERIES
2yr_24hr_SCS_Type_II_50.71mm
2yr_Chicago_2h   INTENSITY 0:15     1.0      TIMESERIES 2yr_Chicago_2h
```

```
50yr_24hr_SCS_Type_II_96.43mm INTENSITY 0:15     1.0      TIMESERIES
50yr_24hr_SCS_Type_II_96.43mm
5yr_24hr_SCS_Type_II_65.3mm INTENSITY 0:15     1.0      TIMESERIES
5yr_24hr_SCS_Type_II_65.3mm
SCS_Type_II_100YR_24HR_105.53mm_15min INTENSITY 0:15     1.0      TIMESERIES
SCS_Type_II_100YR_24HR_105.53mm_15min

[SUBCATCHMENTS]
;;Name           Rain Gage        Outlet           Area     %Imperv  Width    %
Slope   CurbLen  SnowPack
;;-------------- ---------------- ---------------- -------- -------- -------- -----
--- -------- ----------------
CA-1             SCS_Type_II_100YR_24HR_105.53mm_15min OF-2 5.1645 10.745 147.557
2.26 0
CA-2             SCS_Type_II_100YR_24HR_105.53mm_15min OF-1 26.0948 8 401.458 0.85
0
CA-3             SCS_Type_II_100YR_24HR_105.53mm_15min OF-1 3.4246 13 136.984 1.782
0
CA-4             SCS_Type_II_100YR_24HR_105.53mm_15min OF-2 49.7485 0 284.277 2
0
CA-5             SCS_Type_II_100YR_24HR_105.53mm_15min OF-3 22.9413 0 902.668 2
0
CA-6             SCS_Type_II_100YR_24HR_105.53mm_15min OF-1 5.0678 0 337.853  2
0
CA-7             SCS_Type_II_100YR_24HR_105.53mm_15min OF-4 11.5578 0 385.26  1.5
0
CA-8             SCS_Type_II_100YR_24HR_105.53mm_15min OF-5 1.6337 0 108.913  1
0
CA-9             SCS_Type_II_100YR_24HR_105.53mm_15min OF-5 5.6654 0 141.635  2
0
EX-1             SCS_Type_II_100YR_24HR_105.53mm_15min OF-2 25.1164 0 279.071 1
0
EX-2             SCS_Type_II_100YR_24HR_105.53mm_15min OF-5 15.7074 0 241.652 1
0
EX-3             SCS_Type_II_100YR_24HR_105.53mm_15min OF-5 1.2037 0 120.37   2
0
EX-4             SCS_Type_II_100YR_24HR_105.53mm_15min OF-5 1.7238 0 143.65   1.5
0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo
PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ----------
----------
CA-1             0.011      0.15       2          5          100        PERVIOUS
100
CA-2             0.011      0.182      2          5.328      100        PERVIOUS
100
CA-3             0.011      0.176      2          5.278      100        PERVIOUS
100
CA-4             0.011      0.249      2          6.025      0          OUTLET
CA-5             0.011      0.4        2          8          0          OUTLET
CA-6             0.011      0.254      2          6.101      0          OUTLET
CA-7             0.011      0.215      2          5.584      0          OUTLET
CA-8             0.011      0.28       2          6.43       0          OUTLET
CA-9             0.011      0.212      2          5.534      0          OUTLET
EX-1             0.011      0.205      2          5.454      0          OUTLET
EX-2             0.011      0.202      2          5.349      0          OUTLET
EX-3             0.011      0.216      2          5.521      0          OUTLET
```

```
EX-4             0.011      0.169      2          4.916      0          OUTLET

[INFILTRATION]
;;Subcatchment   Param1     Param2     Param3     Param4     Param5
;;-------------- ---------- ---------- ---------- ---------- ----------
CA-1             69         0.5        7          0          0
CURVE_NUMBER
CA-2             70         0.5        7          0          0
CURVE_NUMBER
CA-3             68         0.5        7          0          0
CURVE_NUMBER
CA-4             70         0.5        7          0          0
CURVE_NUMBER
CA-5             55         0.5        7          0          0
CURVE_NUMBER
CA-6             70         0.5        7          0          0
CURVE_NUMBER
CA-7             74         0.5        7          0          0
CURVE_NUMBER
CA-8             67         0.5        7          0          0
CURVE_NUMBER
CA-9             74         0.5        7          0          0
CURVE_NUMBER
EX-1             74         0.5        7          0          0
CURVE_NUMBER
EX-2             75         0.5        7          0          0
CURVE_NUMBER
EX-3             73         0.5        7          0          0
CURVE_NUMBER
EX-4             78         0.5        7          0          0
CURVE_NUMBER

[LID_CONTROLS]
;;Name           Type/Layer Parameters
;;-------------- ---------- ----------
LID-CA-1         BC
LID-CA-1         SURFACE    200        0.1        0.04       2          5
LID-CA-1         SOIL       300        0.437      0.105      0.047      7.03
8          60.96
LID-CA-1         STORAGE    200        0.1        0          0          NO
LID-CA-1         DRAIN      3.06       0.5        0          6          0
0

LID-CA-2         BC
LID-CA-2         SURFACE    200        0.1        0.04       2          5
LID-CA-2         SOIL       300        0.437      0.105      0.047      7.72
8          60.96
LID-CA-2         STORAGE    200        0.1        0          0          NO
LID-CA-2         DRAIN      3.36       0.6        0          6          0
0

LID-CA-3         BC
LID-CA-3         SURFACE    200        0.1        0.04       2          5
LID-CA-3         SOIL       300        0.437      0.105      0.047      11.82
8          60.96
LID-CA-3         STORAGE    200        0.1        0          0          NO
LID-CA-3         DRAIN      10.29      0.6        0          6          0
0
```

```
[LID_USAGE]
;;Subcatchment   LID Process      Number  Area       Width      InitSat    FromImp
ToPerv     RptFile                  DrainTo          FromPerv
;;-------------- ---------------- ------- ---------- ---------- ---------- --------
-- ---------- ----------------------- ---------------- ----------
CA-1             LID-CA-1         1       6216       22.2       0          100
0          *                        *                100
CA-2             LID-CA-2         1       5656       20.2       0          100
0          *                        *                100
CA-3             LID-CA-3         1       1848       13.2       0          100
0          *                        *                100

[JUNCTIONS]
;;Name           Elevation  MaxDepth   InitDepth  SurDepth   Aponded
;;-------------- ---------- ---------- ---------- ---------- ----------
J_Dummy          1          1          0          0          0

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated    Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
OF-1             134.84     FREE                        NO
OF-2             0          FREE                        NO
OF-3             133.92     FREE                        NO
OF-4             133.99     FREE                        NO
OF-5             133.99     FREE                        NO

[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Transect created from transect line: 12
NC 0.01     0.01     0.01
X1 3                175      0        0        0.0      0.0      0.0      0.0
0.0
GR 299.998  0        300      1        300.004  5        300.003  6        299.991
7
GR 299.971  8        299.945  9        299.915  10       299.893  11       299.88
12
GR 299.87   13       299.865  14       299.836  16       299.817  17       299.796
18
GR 299.773  19       299.752  20       299.729  21       299.701  22       299.672
23
GR 299.642  24       299.617  25       299.589  26       299.563  27       299.539
28
GR 299.519  29       299.506  30       299.504  31       299.506  32       299.504
33
GR 299.5    34       299.497  35       299.49   36       299.478  37       299.451
38
GR 299.407  39       299.359  40       299.307  41       299.259  42       299.221
43
GR 299.179  44       299.146  45       299.076  47       299.019  49       299.004
50
GR 299      51       298.998  52       298.987  53       298.96   54       298.913
55
GR 298.861  56       298.819  57       298.779  58       298.744  59       298.721
60
GR 298.699  61       298.682  62       298.661  63       298.646  64       298.633
65
GR 298.628  66       298.628  67       298.633  69       298.627  70       298.608
72
```

```
GR 298.594  73      298.559  75      298.522  77      298.507  78      298.491
79
GR 298.466  80      298.42   81      298.367  82      298.302  83      298.246
84
GR 298.184  85      298.138  86      298.096  87      298.052  88      298.016
89
GR 297.989  90      297.977  91      297.993  92      298.003  93      297.977
94
GR 297.899  95      297.805  96      297.688  97      297.568  98      297.423
99
GR 297.233  100     297.003  101     296.799  102     296.626  103     296.432
104
GR 296.234  105     296.062  106     295.955  107     295.881  108     295.811
109
GR 295.752  110     295.683  111     295.6    112     295.494  113     295.399
114
GR 295.341  115     295.375  116     295.439  117     295.582  118     295.787
119
GR 296.029  120     296.301  121     296.478  122     296.568  123     296.666
124
GR 296.817  125     296.981  126     297.15   127     297.324  128     297.473
129
GR 297.54   130     297.642  132     297.71   133     297.785  134     297.867
135
GR 297.953  136     297.993  137     298.003  138     297.992  139     297.983
140
GR 297.983  141     297.992  142     298      143     297.997  144     297.985
145
GR 297.978  146     297.983  147     297.983  148     297.976  149     297.911
150
GR 297.902  151     297.91   152     297.917  153     297.932  154     297.95
155
GR 297.97   156     297.984  157     297.994  158     297.999  159     298.001
164
GR 298      165     297.994  168     297.997  171     297.996  172     297.984
173
GR 297.968  174     297.95   175     297.93   176     297.914  177     297.899
178
GR 297.888  179     297.878  180     297.865  181     297.85   182     297.817
184
GR 297.788  186     297.777  187     297.758  189     297.75   190     297.741
191
GR 297.658  202     297.653  203     297.646  204     297.629  208     297.611
213.572024439975
;
;Transect created from transect line: 13
NC 0.01     0.01     0.01
X1 4                192      0       0       0.0      0.0      0.0      0.0
0.0
GR 299.78   0       299.735  1       299.64   3       299.588  4       299.544
5
GR 299.508  6       299.498  7       299.5    8       299.5    9       299.488
10
GR 299.456  11      299.426  12      299.405  13      299.37   15      299.327
17
GR 299.268  19      299.237  20      299.205  21      299.176  22      299.145
23
GR 299.118  24      299.09   25      298.987  29      298.956  30      298.924
31
GR 298.845  33      298.799  34      298.751  35      298.712  36      298.671
```

GR 298.646 38 298.618 39 298.603 40 298.584 41 298.54
43
GR 298.51 44 298.47 45 298.371 46 298.233 47 298.07
48
GR 297.923 49 297.79 50 297.656 51 297.518 52 297.364
53
GR 297.203 54 297.034 55 296.862 56 296.658 57 296.478
58
GR 296.017 60 295.782 61 295.521 62 295.288 63 295.042
64
GR 294.814 65 294.639 66 294.494 67 294.422 68 294.402
69
GR 294.316 70 294.236 71 294.194 72 294.128 73 294.07
74
GR 293.979 75 293.861 76 293.747 77 293.598 78 293.465
79
GR 293.354 80 293.229 81 293.121 82 292.977 83 292.786
84
GR 292.589 85 292.336 86 292.065 87 291.834 88 291.544
89
GR 291.331 90 291.206 91 291.058 92 290.898 93 290.652
94
GR 290.369 95 290.128 96 289.922 97 289.758 98 289.607
99
GR 289.492 100 289.428 101 289.371 102 289.335 103 289.376
104
GR 289.467 105 289.565 106 289.64 107 289.696 108 289.723
109
GR 289.731 110 289.727 111 289.72 112 289.731 113 289.764
114
GR 289.808 115 289.901 116 290.018 117 290.222 118 290.508
119
GR 290.791 120 291.162 121 291.577 122 291.955 123 292.323
124
GR 292.675 125 293.064 126 293.507 127 293.879 128 294.31
129
GR 294.68 130 295.078 131 295.487 132 295.853 133 296.729
135
GR 297.024 136 297.225 137 297.307 138 297.31 139 297.301
140
GR 297.294 141 297.344 142 297.353 143 297.375 145 297.346
146
GR 297.338 147 297.365 148 297.322 149 297.29 150 297.252
151
GR 297.236 152 297.206 153 297.175 154 297.192 155 297.203
156
GR 297.268 157 297.38 158 297.486 159 297.633 160 297.817
161
GR 297.97 162 298.144 163 298.315 164 298.533 165 298.813
166
GR 298.996 167 299.069 168 299.061 169 299.029 170 299
171
GR 299.018 172 299.116 173 299.26 174 299.387 175 299.509
176
GR 299.641 177 299.811 178 299.962 179 300.04 180 300.088
181
GR 300.167 182 300.341 184 300.419 185 300.481 186 300.558
187
GR 300.655 188 300.748 189 300.853 190 300.935 191 301.021
192

```
GR 301.104  193      301.17   194      301.25   195      301.326  196      301.389
197
GR 301.461  198      301.52   199      301.588  200      301.662  201      301.732
202
GR 301.804  203      301.869  203.889727129499
;
;Transect created from transect line: 14
NC 0.01     0.01     0.01
X1 5                202      0        0        0.0      0.0      0.0      0.0
0.0
GR 297.219  0        297.142  1        297.063  2        296.928  4        296.851
5
GR 296.762  6        296.675  7        296.595  8        296.539  9        296.487
10
GR 296.4    11       296.3    12       296.191  13       296.068  14       295.932
15
GR 295.793  16       295.628  17       295.503  18       295.401  19       295.286
20
GR 295.158  21       295.016  22       294.868  23       294.734  24       294.58
25
GR 294.472  26       294.379  27       294.301  28       294.226  29       294.083
31
GR 294.014  32       293.921  33       293.809  34       293.66   35       293.458
36
GR 293.206  37       292.969  38       292.81   39       292.7    40       292.555
41
GR 292.415  42       292.173  43       291.829  44       291.455  45       291.117
46
GR 290.801  47       290.497  48       290.103  49       289.672  50       289.236
51
GR 288.83   52       288.463  53       288.136  54       287.877  55       287.695
56
GR 287.507  57       287.339  58       287.164  59       286.979  60       286.754
61
GR 286.539  62       286.364  63       286.226  64       286.082  65       285.959
66
GR 285.851  67       285.753  68       285.649  69       285.526  70       285.333
71
GR 285.115  72       284.972  73       284.869  74       284.79   75       284.717
76
GR 284.652  77       284.588  78       284.521  79       284.452  80       284.381
81
GR 284.296  82       284.214  83       284.13   84       284.039  85       283.945
86
GR 283.876  87       283.959  88       284.127  89       284.364  90       284.576
91
GR 284.793  92       285.003  93       285.233  94       285.48   95       285.733
96
GR 285.969  97       286.258  98       286.58   99       286.92   100      287.215
101
GR 287.433  102      287.613  103      287.798  104      287.976  105      288.187
106
GR 288.401  107      288.576  108      288.754  109      288.927  110      289.074
111
GR 289.379  113      289.534  114      289.719  115      289.891  116      290.028
117
GR 290.138  118      290.243  119      290.341  120      290.465  121      290.632
122
GR 290.817  123      290.973  124      291.083  125      291.164  126      291.229
127
```

```
GR 291.289  128      291.347  129      291.466  131      291.506  132      291.566
134
GR 291.631  135      291.72   136      291.851  137      291.977  138      292.003
139
GR 291.959  140      291.892  141      291.86   142      291.87   143      291.909
144
GR 291.946  145      291.995  146      292.047  147      292.104  148      292.159
149
GR 292.206  150      292.244  151      292.275  152      292.302  153      292.331
154
GR 292.37   155      292.426  156      292.494  157      292.564  158      292.632
159
GR 292.698  160      292.82   162      292.864  163      292.901  164      292.93
165
GR 292.965  166      292.998  167      293.046  168      293.118  169      293.223
170
GR 293.298  171      293.361  172      293.412  173      293.483  174      293.544
175
GR 293.616  176      293.709  177      293.827  178      294.01   180      294.126
181
GR 294.21   182      294.274  183      294.325  184      294.384  185      294.429
186
GR 294.482  187      294.534  188      294.605  189      294.643  190      294.678
191
GR 294.727  192      294.8    193      294.838  194      294.883  195      294.999
197
GR 295.03   198      295.071  199      295.156  200      295.198  201      295.241
203
GR 295.29   204      295.351  205      295.391  206      295.414  207      295.465
208
GR 295.505  209      295.543  209.75527624512

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;SCS_Type II_75mm design storm, total rainfall = 75 mm, rain interval = 15 minutes,
rain units = mm/hr., rain units = mm/hr.
10yr_24hr_SCS_Type_II_75mm            0:00       0.825
10yr_24hr_SCS_Type_II_75mm            0:15       0.825
10yr_24hr_SCS_Type_II_75mm            0:30       0.825
10yr_24hr_SCS_Type_II_75mm            0:45       0.825
10yr_24hr_SCS_Type_II_75mm            1:00       0.825
10yr_24hr_SCS_Type_II_75mm            1:15       0.825
10yr_24hr_SCS_Type_II_75mm            1:30       0.825
10yr_24hr_SCS_Type_II_75mm            1:45       0.825
10yr_24hr_SCS_Type_II_75mm            2:00       0.975
10yr_24hr_SCS_Type_II_75mm            2:15       0.975
10yr_24hr_SCS_Type_II_75mm            2:30       0.975
10yr_24hr_SCS_Type_II_75mm            2:45       0.975
10yr_24hr_SCS_Type_II_75mm            3:00       0.975
10yr_24hr_SCS_Type_II_75mm            3:15       0.975
10yr_24hr_SCS_Type_II_75mm            3:30       0.975
10yr_24hr_SCS_Type_II_75mm            3:45       0.975
10yr_24hr_SCS_Type_II_75mm            4:00       1.2
10yr_24hr_SCS_Type_II_75mm            4:15       1.2
10yr_24hr_SCS_Type_II_75mm            4:30       1.2
10yr_24hr_SCS_Type_II_75mm            4:45       1.2
10yr_24hr_SCS_Type_II_75mm            5:00       1.2
10yr_24hr_SCS_Type_II_75mm            5:15       1.2
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10yr_24hr_SCS_Type_II_75mm	5:30	1.2
10yr_24hr_SCS_Type_II_75mm	5:45	1.2
10yr_24hr_SCS_Type_II_75mm	6:00	1.35
10yr_24hr_SCS_Type_II_75mm	6:15	1.35
10yr_24hr_SCS_Type_II_75mm	6:30	1.35
10yr_24hr_SCS_Type_II_75mm	6:45	1.35
10yr_24hr_SCS_Type_II_75mm	7:00	1.65
10yr_24hr_SCS_Type_II_75mm	7:15	1.65
10yr_24hr_SCS_Type_II_75mm	7:30	1.65
10yr_24hr_SCS_Type_II_75mm	7:45	1.65
10yr_24hr_SCS_Type_II_75mm	8:00	1.95
10yr_24hr_SCS_Type_II_75mm	8:15	1.95
10yr_24hr_SCS_Type_II_75mm	8:30	2.1
10yr_24hr_SCS_Type_II_75mm	8:45	2.1
10yr_24hr_SCS_Type_II_75mm	9:00	2.4
10yr_24hr_SCS_Type_II_75mm	9:15	2.4
10yr_24hr_SCS_Type_II_75mm	9:30	2.7
10yr_24hr_SCS_Type_II_75mm	9:45	2.7
10yr_24hr_SCS_Type_II_75mm	10:00	3.45
10yr_24hr_SCS_Type_II_75mm	10:15	3.45
10yr_24hr_SCS_Type_II_75mm	10:30	4.65
10yr_24hr_SCS_Type_II_75mm	10:45	4.65
10yr_24hr_SCS_Type_II_75mm	11:00	7.2
10yr_24hr_SCS_Type_II_75mm	11:15	7.2
10yr_24hr_SCS_Type_II_75mm	11:30	22.2
10yr_24hr_SCS_Type_II_75mm	11:45	91.8
10yr_24hr_SCS_Type_II_75mm	12:00	10.8
10yr_24hr_SCS_Type_II_75mm	12:15	10.8
10yr_24hr_SCS_Type_II_75mm	12:30	5.55
10yr_24hr_SCS_Type_II_75mm	12:45	5.55
10yr_24hr_SCS_Type_II_75mm	13:00	4.05
10yr_24hr_SCS_Type_II_75mm	13:15	4.05
10yr_24hr_SCS_Type_II_75mm	13:30	3.15
10yr_24hr_SCS_Type_II_75mm	13:45	3.15
10yr_24hr_SCS_Type_II_75mm	14:00	2.25
10yr_24hr_SCS_Type_II_75mm	14:15	2.25
10yr_24hr_SCS_Type_II_75mm	14:30	2.25
10yr_24hr_SCS_Type_II_75mm	14:45	2.25
10yr_24hr_SCS_Type_II_75mm	15:00	2.25
10yr_24hr_SCS_Type_II_75mm	15:15	2.25
10yr_24hr_SCS_Type_II_75mm	15:30	2.25
10yr_24hr_SCS_Type_II_75mm	15:45	2.25
10yr_24hr_SCS_Type_II_75mm	16:00	1.35
10yr_24hr_SCS_Type_II_75mm	16:15	1.35
10yr_24hr_SCS_Type_II_75mm	16:30	1.35
10yr_24hr_SCS_Type_II_75mm	16:45	1.35
10yr_24hr_SCS_Type_II_75mm	17:00	1.35
10yr_24hr_SCS_Type_II_75mm	17:15	1.35
10yr_24hr_SCS_Type_II_75mm	17:30	1.35
10yr_24hr_SCS_Type_II_75mm	17:45	1.35
10yr_24hr_SCS_Type_II_75mm	18:00	1.35
10yr_24hr_SCS_Type_II_75mm	18:15	1.35
10yr_24hr_SCS_Type_II_75mm	18:30	1.35
10yr_24hr_SCS_Type_II_75mm	18:45	1.35
10yr_24hr_SCS_Type_II_75mm	19:00	1.35
10yr_24hr_SCS_Type_II_75mm	19:15	1.35
10yr_24hr_SCS_Type_II_75mm	19:30	1.35

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10yr_24hr_SCS_Type_II_75mm           19:45      1.35
10yr_24hr_SCS_Type_II_75mm           20:00      0.9
10yr_24hr_SCS_Type_II_75mm           20:15      0.9
10yr_24hr_SCS_Type_II_75mm           20:30      0.9
10yr_24hr_SCS_Type_II_75mm           20:45      0.9
10yr_24hr_SCS_Type_II_75mm           21:00      0.9
10yr_24hr_SCS_Type_II_75mm           21:15      0.9
10yr_24hr_SCS_Type_II_75mm           21:30      0.9
10yr_24hr_SCS_Type_II_75mm           21:45      0.9
10yr_24hr_SCS_Type_II_75mm           22:00      0.9
10yr_24hr_SCS_Type_II_75mm           22:15      0.9
10yr_24hr_SCS_Type_II_75mm           22:30      0.9
10yr_24hr_SCS_Type_II_75mm           22:45      0.9
10yr_24hr_SCS_Type_II_75mm           23:00      0.9
10yr_24hr_SCS_Type_II_75mm           23:15      0.9
10yr_24hr_SCS_Type_II_75mm           23:30      0.9
10yr_24hr_SCS_Type_II_75mm           23:45      0.9

;SCS_Type II_87.28mm design storm, total rainfall = 87.28 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
25yr_24hr_SCS_Type_II_87.28mm            0:00       0.96
25yr_24hr_SCS_Type_II_87.28mm            0:15       0.96
25yr_24hr_SCS_Type_II_87.28mm            0:30       0.96
25yr_24hr_SCS_Type_II_87.28mm            0:45       0.96
25yr_24hr_SCS_Type_II_87.28mm            1:00       0.96
25yr_24hr_SCS_Type_II_87.28mm            1:15       0.96
25yr_24hr_SCS_Type_II_87.28mm            1:30       0.96
25yr_24hr_SCS_Type_II_87.28mm            1:45       0.96
25yr_24hr_SCS_Type_II_87.28mm            2:00       1.135
25yr_24hr_SCS_Type_II_87.28mm            2:15       1.135
25yr_24hr_SCS_Type_II_87.28mm            2:30       1.135
25yr_24hr_SCS_Type_II_87.28mm            2:45       1.135
25yr_24hr_SCS_Type_II_87.28mm            3:00       1.135
25yr_24hr_SCS_Type_II_87.28mm            3:15       1.135
25yr_24hr_SCS_Type_II_87.28mm            3:30       1.135
25yr_24hr_SCS_Type_II_87.28mm            3:45       1.135
25yr_24hr_SCS_Type_II_87.28mm            4:00       1.396
25yr_24hr_SCS_Type_II_87.28mm            4:15       1.396
25yr_24hr_SCS_Type_II_87.28mm            4:30       1.396
25yr_24hr_SCS_Type_II_87.28mm            4:45       1.396
25yr_24hr_SCS_Type_II_87.28mm            5:00       1.396
25yr_24hr_SCS_Type_II_87.28mm            5:15       1.396
25yr_24hr_SCS_Type_II_87.28mm            5:30       1.396
25yr_24hr_SCS_Type_II_87.28mm            5:45       1.396
25yr_24hr_SCS_Type_II_87.28mm            6:00       1.571
25yr_24hr_SCS_Type_II_87.28mm            6:15       1.571
25yr_24hr_SCS_Type_II_87.28mm            6:30       1.571
25yr_24hr_SCS_Type_II_87.28mm            6:45       1.571
25yr_24hr_SCS_Type_II_87.28mm            7:00       1.92
25yr_24hr_SCS_Type_II_87.28mm            7:15       1.92
25yr_24hr_SCS_Type_II_87.28mm            7:30       1.92
25yr_24hr_SCS_Type_II_87.28mm            7:45       1.92
25yr_24hr_SCS_Type_II_87.28mm            8:00       2.269
25yr_24hr_SCS_Type_II_87.28mm            8:15       2.269
25yr_24hr_SCS_Type_II_87.28mm            8:30       2.444
25yr_24hr_SCS_Type_II_87.28mm            8:45       2.444
25yr_24hr_SCS_Type_II_87.28mm            9:00       2.793
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25yr_24hr_SCS_Type_II_87.28mm	9:15	2.793
25yr_24hr_SCS_Type_II_87.28mm	9:30	3.142
25yr_24hr_SCS_Type_II_87.28mm	9:45	3.142
25yr_24hr_SCS_Type_II_87.28mm	10:00	4.015
25yr_24hr_SCS_Type_II_87.28mm	10:15	4.015
25yr_24hr_SCS_Type_II_87.28mm	10:30	5.411
25yr_24hr_SCS_Type_II_87.28mm	10:45	5.411
25yr_24hr_SCS_Type_II_87.28mm	11:00	8.379
25yr_24hr_SCS_Type_II_87.28mm	11:15	8.379
25yr_24hr_SCS_Type_II_87.28mm	11:30	25.835
25yr_24hr_SCS_Type_II_87.28mm	11:45	106.831
25yr_24hr_SCS_Type_II_87.28mm	12:00	12.568
25yr_24hr_SCS_Type_II_87.28mm	12:15	12.568
25yr_24hr_SCS_Type_II_87.28mm	12:30	6.459
25yr_24hr_SCS_Type_II_87.28mm	12:45	6.459
25yr_24hr_SCS_Type_II_87.28mm	13:00	4.713
25yr_24hr_SCS_Type_II_87.28mm	13:15	4.713
25yr_24hr_SCS_Type_II_87.28mm	13:30	3.666
25yr_24hr_SCS_Type_II_87.28mm	13:45	3.666
25yr_24hr_SCS_Type_II_87.28mm	14:00	2.618
25yr_24hr_SCS_Type_II_87.28mm	14:15	2.618
25yr_24hr_SCS_Type_II_87.28mm	14:30	2.618
25yr_24hr_SCS_Type_II_87.28mm	14:45	2.618
25yr_24hr_SCS_Type_II_87.28mm	15:00	2.618
25yr_24hr_SCS_Type_II_87.28mm	15:15	2.618
25yr_24hr_SCS_Type_II_87.28mm	15:30	2.618
25yr_24hr_SCS_Type_II_87.28mm	15:45	2.618
25yr_24hr_SCS_Type_II_87.28mm	16:00	1.571
25yr_24hr_SCS_Type_II_87.28mm	16:15	1.571
25yr_24hr_SCS_Type_II_87.28mm	16:30	1.571
25yr_24hr_SCS_Type_II_87.28mm	16:45	1.571
25yr_24hr_SCS_Type_II_87.28mm	17:00	1.571
25yr_24hr_SCS_Type_II_87.28mm	17:15	1.571
25yr_24hr_SCS_Type_II_87.28mm	17:30	1.571
25yr_24hr_SCS_Type_II_87.28mm	17:45	1.571
25yr_24hr_SCS_Type_II_87.28mm	18:00	1.571
25yr_24hr_SCS_Type_II_87.28mm	18:15	1.571
25yr_24hr_SCS_Type_II_87.28mm	18:30	1.571
25yr_24hr_SCS_Type_II_87.28mm	18:45	1.571
25yr_24hr_SCS_Type_II_87.28mm	19:00	1.571
25yr_24hr_SCS_Type_II_87.28mm	19:15	1.571
25yr_24hr_SCS_Type_II_87.28mm	19:30	1.571
25yr_24hr_SCS_Type_II_87.28mm	19:45	1.571
25yr_24hr_SCS_Type_II_87.28mm	20:00	1.047
25yr_24hr_SCS_Type_II_87.28mm	20:15	1.047
25yr_24hr_SCS_Type_II_87.28mm	20:30	1.047
25yr_24hr_SCS_Type_II_87.28mm	20:45	1.047
25yr_24hr_SCS_Type_II_87.28mm	21:00	1.047
25yr_24hr_SCS_Type_II_87.28mm	21:15	1.047
25yr_24hr_SCS_Type_II_87.28mm	21:30	1.047
25yr_24hr_SCS_Type_II_87.28mm	21:45	1.047
25yr_24hr_SCS_Type_II_87.28mm	22:00	1.047
25yr_24hr_SCS_Type_II_87.28mm	22:15	1.047
25yr_24hr_SCS_Type_II_87.28mm	22:30	1.047
25yr_24hr_SCS_Type_II_87.28mm	22:45	1.047
25yr_24hr_SCS_Type_II_87.28mm	23:00	1.047
25yr_24hr_SCS_Type_II_87.28mm	23:15	1.047

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25yr_24hr_SCS_Type_II_87.28mm            23:30      1.047
25yr_24hr_SCS_Type_II_87.28mm            23:45      1.047

;SCS_Type II_50.71mm design storm, total rainfall = 50.71 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
2yr_24hr_SCS_Type_II_50.71mm            0:00       0.558
2yr_24hr_SCS_Type_II_50.71mm            0:15       0.558
2yr_24hr_SCS_Type_II_50.71mm            0:30       0.558
2yr_24hr_SCS_Type_II_50.71mm            0:45       0.558
2yr_24hr_SCS_Type_II_50.71mm            1:00       0.558
2yr_24hr_SCS_Type_II_50.71mm            1:15       0.558
2yr_24hr_SCS_Type_II_50.71mm            1:30       0.558
2yr_24hr_SCS_Type_II_50.71mm            1:45       0.558
2yr_24hr_SCS_Type_II_50.71mm            2:00       0.659
2yr_24hr_SCS_Type_II_50.71mm            2:15       0.659
2yr_24hr_SCS_Type_II_50.71mm            2:30       0.659
2yr_24hr_SCS_Type_II_50.71mm            2:45       0.659
2yr_24hr_SCS_Type_II_50.71mm            3:00       0.659
2yr_24hr_SCS_Type_II_50.71mm            3:15       0.659
2yr_24hr_SCS_Type_II_50.71mm            3:30       0.659
2yr_24hr_SCS_Type_II_50.71mm            3:45       0.659
2yr_24hr_SCS_Type_II_50.71mm            4:00       0.811
2yr_24hr_SCS_Type_II_50.71mm            4:15       0.811
2yr_24hr_SCS_Type_II_50.71mm            4:30       0.811
2yr_24hr_SCS_Type_II_50.71mm            4:45       0.811
2yr_24hr_SCS_Type_II_50.71mm            5:00       0.811
2yr_24hr_SCS_Type_II_50.71mm            5:15       0.811
2yr_24hr_SCS_Type_II_50.71mm            5:30       0.811
2yr_24hr_SCS_Type_II_50.71mm            5:45       0.811
2yr_24hr_SCS_Type_II_50.71mm            6:00       0.913
2yr_24hr_SCS_Type_II_50.71mm            6:15       0.913
2yr_24hr_SCS_Type_II_50.71mm            6:30       0.913
2yr_24hr_SCS_Type_II_50.71mm            6:45       0.913
2yr_24hr_SCS_Type_II_50.71mm            7:00       1.116
2yr_24hr_SCS_Type_II_50.71mm            7:15       1.116
2yr_24hr_SCS_Type_II_50.71mm            7:30       1.116
2yr_24hr_SCS_Type_II_50.71mm            7:45       1.116
2yr_24hr_SCS_Type_II_50.71mm            8:00       1.318
2yr_24hr_SCS_Type_II_50.71mm            8:15       1.318
2yr_24hr_SCS_Type_II_50.71mm            8:30       1.42
2yr_24hr_SCS_Type_II_50.71mm            8:45       1.42
2yr_24hr_SCS_Type_II_50.71mm            9:00       1.623
2yr_24hr_SCS_Type_II_50.71mm            9:15       1.623
2yr_24hr_SCS_Type_II_50.71mm            9:30       1.826
2yr_24hr_SCS_Type_II_50.71mm            9:45       1.826
2yr_24hr_SCS_Type_II_50.71mm            10:00      2.333
2yr_24hr_SCS_Type_II_50.71mm            10:15      2.333
2yr_24hr_SCS_Type_II_50.71mm            10:30      3.144
2yr_24hr_SCS_Type_II_50.71mm            10:45      3.144
2yr_24hr_SCS_Type_II_50.71mm            11:00      4.868
2yr_24hr_SCS_Type_II_50.71mm            11:15      4.868
2yr_24hr_SCS_Type_II_50.71mm            11:30      15.01
2yr_24hr_SCS_Type_II_50.71mm            11:45      62.069
2yr_24hr_SCS_Type_II_50.71mm            12:00      7.302
2yr_24hr_SCS_Type_II_50.71mm            12:15      7.302
2yr_24hr_SCS_Type_II_50.71mm            12:30      3.753
2yr_24hr_SCS_Type_II_50.71mm            12:45      3.753
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2yr_24hr_SCS_Type_II_50.71mm            13:00      2.738
2yr_24hr_SCS_Type_II_50.71mm            13:15      2.738
2yr_24hr_SCS_Type_II_50.71mm            13:30      2.13
2yr_24hr_SCS_Type_II_50.71mm            13:45      2.13
2yr_24hr_SCS_Type_II_50.71mm            14:00      1.521
2yr_24hr_SCS_Type_II_50.71mm            14:15      1.521
2yr_24hr_SCS_Type_II_50.71mm            14:30      1.521
2yr_24hr_SCS_Type_II_50.71mm            14:45      1.521
2yr_24hr_SCS_Type_II_50.71mm            15:00      1.521
2yr_24hr_SCS_Type_II_50.71mm            15:15      1.521
2yr_24hr_SCS_Type_II_50.71mm            15:30      1.521
2yr_24hr_SCS_Type_II_50.71mm            15:45      1.521
2yr_24hr_SCS_Type_II_50.71mm            16:00      0.913
2yr_24hr_SCS_Type_II_50.71mm            16:15      0.913
2yr_24hr_SCS_Type_II_50.71mm            16:30      0.913
2yr_24hr_SCS_Type_II_50.71mm            16:45      0.913
2yr_24hr_SCS_Type_II_50.71mm            17:00      0.913
2yr_24hr_SCS_Type_II_50.71mm            17:15      0.913
2yr_24hr_SCS_Type_II_50.71mm            17:30      0.913
2yr_24hr_SCS_Type_II_50.71mm            17:45      0.913
2yr_24hr_SCS_Type_II_50.71mm            18:00      0.913
2yr_24hr_SCS_Type_II_50.71mm            18:15      0.913
2yr_24hr_SCS_Type_II_50.71mm            18:30      0.913
2yr_24hr_SCS_Type_II_50.71mm            18:45      0.913
2yr_24hr_SCS_Type_II_50.71mm            19:00      0.913
2yr_24hr_SCS_Type_II_50.71mm            19:15      0.913
2yr_24hr_SCS_Type_II_50.71mm            19:30      0.913
2yr_24hr_SCS_Type_II_50.71mm            19:45      0.913
2yr_24hr_SCS_Type_II_50.71mm            20:00      0.609
2yr_24hr_SCS_Type_II_50.71mm            20:15      0.609
2yr_24hr_SCS_Type_II_50.71mm            20:30      0.609
2yr_24hr_SCS_Type_II_50.71mm            20:45      0.609
2yr_24hr_SCS_Type_II_50.71mm            21:00      0.609
2yr_24hr_SCS_Type_II_50.71mm            21:15      0.609
2yr_24hr_SCS_Type_II_50.71mm            21:30      0.609
2yr_24hr_SCS_Type_II_50.71mm            21:45      0.609
2yr_24hr_SCS_Type_II_50.71mm            22:00      0.609
2yr_24hr_SCS_Type_II_50.71mm            22:15      0.609
2yr_24hr_SCS_Type_II_50.71mm            22:30      0.609
2yr_24hr_SCS_Type_II_50.71mm            22:45      0.609
2yr_24hr_SCS_Type_II_50.71mm            23:00      0.609
2yr_24hr_SCS_Type_II_50.71mm            23:15      0.609
2yr_24hr_SCS_Type_II_50.71mm            23:30      0.609
2yr_24hr_SCS_Type_II_50.71mm            23:45      0.609

;Chicago design storm, a = 539.021628740197, b = 0, c = 0.76, Duration = 120
minutes, r = 0.35, rain interval = 15 minutes, rain units = mm/hr.
2yr_Chicago_2h              0:00       3.992
2yr_Chicago_2h              0:15       6.312
2yr_Chicago_2h              0:30       68.83
2yr_Chicago_2h              0:45       12.379
2yr_Chicago_2h              1:00       8.116
2yr_Chicago_2h              1:15       5.641
2yr_Chicago_2h              1:30       4.423
2yr_Chicago_2h              1:45       3.682
2yr_Chicago_2h              2:00       0
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;Chicago design storm, a = 539.021628740197, b = 0, c = 0.76, Duration = 180 minutes, r = 0.35, rain interval = 15 minutes, rain units = mm/hr.

2yr_Chicago_3h	0:00	2.763
2yr_Chicago_3h	0:15	3.524
2yr_Chicago_3h	0:30	5.07
2yr_Chicago_3h	0:45	10.575
2yr_Chicago_3h	1:00	68.83
2yr_Chicago_3h	1:15	10.104
2yr_Chicago_3h	1:30	6.391
2yr_Chicago_3h	1:45	4.83
2yr_Chicago_3h	2:00	3.942
2yr_Chicago_3h	2:15	3.359
2yr_Chicago_3h	2:30	2.944
2yr_Chicago_3h	2:45	2.631
2yr_Chicago_3h	3:00	0

;Chicago design storm, a = 539.021628740197, b = 0, c = 0.76, Duration = 240 minutes, r = 0.35, rain interval = 15 minutes, rain units = mm/hr.

2yr_Chicago_4h	0:00	2.161
2yr_Chicago_4h	0:15	2.554
2yr_Chicago_4h	0:30	3.167
2yr_Chicago_4h	0:45	4.288
2yr_Chicago_4h	1:00	7.277
2yr_Chicago_4h	1:15	68.83
2yr_Chicago_4h	1:30	12.373
2yr_Chicago_4h	1:45	7.428
2yr_Chicago_4h	2:00	5.337
2yr_Chicago_4h	2:15	4.248
2yr_Chicago_4h	2:30	3.567
2yr_Chicago_4h	2:45	3.095
2yr_Chicago_4h	3:00	2.747
2yr_Chicago_4h	3:15	2.477
2yr_Chicago_4h	3:30	2.262
2yr_Chicago_4h	3:45	2.086
2yr_Chicago_4h	4:00	0

;SCS_Type II_96.43mm design storm, total rainfall = 96.43 mm, rain interval = 15 minutes, rain units = mm/hr., rain units = mm/hr.

50yr_24hr_SCS_Type_II_96.43mm	0:00	1.061
50yr_24hr_SCS_Type_II_96.43mm	0:15	1.061
50yr_24hr_SCS_Type_II_96.43mm	0:30	1.061
50yr_24hr_SCS_Type_II_96.43mm	0:45	1.061
50yr_24hr_SCS_Type_II_96.43mm	1:00	1.061
50yr_24hr_SCS_Type_II_96.43mm	1:15	1.061
50yr_24hr_SCS_Type_II_96.43mm	1:30	1.061
50yr_24hr_SCS_Type_II_96.43mm	1:45	1.061
50yr_24hr_SCS_Type_II_96.43mm	2:00	1.254
50yr_24hr_SCS_Type_II_96.43mm	2:15	1.254
50yr_24hr_SCS_Type_II_96.43mm	2:30	1.254
50yr_24hr_SCS_Type_II_96.43mm	2:45	1.254
50yr_24hr_SCS_Type_II_96.43mm	3:00	1.254
50yr_24hr_SCS_Type_II_96.43mm	3:15	1.254
50yr_24hr_SCS_Type_II_96.43mm	3:30	1.254
50yr_24hr_SCS_Type_II_96.43mm	3:45	1.254
50yr_24hr_SCS_Type_II_96.43mm	4:00	1.543
50yr_24hr_SCS_Type_II_96.43mm	4:15	1.543
50yr_24hr_SCS_Type_II_96.43mm	4:30	1.543

50yr_24hr_SCS_Type_II_96.43mm	4:45	1.543
50yr_24hr_SCS_Type_II_96.43mm	5:00	1.543
50yr_24hr_SCS_Type_II_96.43mm	5:15	1.543
50yr_24hr_SCS_Type_II_96.43mm	5:30	1.543
50yr_24hr_SCS_Type_II_96.43mm	5:45	1.543
50yr_24hr_SCS_Type_II_96.43mm	6:00	1.736
50yr_24hr_SCS_Type_II_96.43mm	6:15	1.736
50yr_24hr_SCS_Type_II_96.43mm	6:30	1.736
50yr_24hr_SCS_Type_II_96.43mm	6:45	1.736
50yr_24hr_SCS_Type_II_96.43mm	7:00	2.121
50yr_24hr_SCS_Type_II_96.43mm	7:15	2.121
50yr_24hr_SCS_Type_II_96.43mm	7:30	2.121
50yr_24hr_SCS_Type_II_96.43mm	7:45	2.121
50yr_24hr_SCS_Type_II_96.43mm	8:00	2.507
50yr_24hr_SCS_Type_II_96.43mm	8:15	2.507
50yr_24hr_SCS_Type_II_96.43mm	8:30	2.7
50yr_24hr_SCS_Type_II_96.43mm	8:45	2.7
50yr_24hr_SCS_Type_II_96.43mm	9:00	3.086
50yr_24hr_SCS_Type_II_96.43mm	9:15	3.086
50yr_24hr_SCS_Type_II_96.43mm	9:30	3.471
50yr_24hr_SCS_Type_II_96.43mm	9:45	3.471
50yr_24hr_SCS_Type_II_96.43mm	10:00	4.436
50yr_24hr_SCS_Type_II_96.43mm	10:15	4.436
50yr_24hr_SCS_Type_II_96.43mm	10:30	5.979
50yr_24hr_SCS_Type_II_96.43mm	10:45	5.979
50yr_24hr_SCS_Type_II_96.43mm	11:00	9.257
50yr_24hr_SCS_Type_II_96.43mm	11:15	9.257
50yr_24hr_SCS_Type_II_96.43mm	11:30	28.543
50yr_24hr_SCS_Type_II_96.43mm	11:45	118.03
50yr_24hr_SCS_Type_II_96.43mm	12:00	13.886
50yr_24hr_SCS_Type_II_96.43mm	12:15	13.886
50yr_24hr_SCS_Type_II_96.43mm	12:30	7.136
50yr_24hr_SCS_Type_II_96.43mm	12:45	7.136
50yr_24hr_SCS_Type_II_96.43mm	13:00	5.207
50yr_24hr_SCS_Type_II_96.43mm	13:15	5.207
50yr_24hr_SCS_Type_II_96.43mm	13:30	4.05
50yr_24hr_SCS_Type_II_96.43mm	13:45	4.05
50yr_24hr_SCS_Type_II_96.43mm	14:00	2.893
50yr_24hr_SCS_Type_II_96.43mm	14:15	2.893
50yr_24hr_SCS_Type_II_96.43mm	14:30	2.893
50yr_24hr_SCS_Type_II_96.43mm	14:45	2.893
50yr_24hr_SCS_Type_II_96.43mm	15:00	2.893
50yr_24hr_SCS_Type_II_96.43mm	15:15	2.893
50yr_24hr_SCS_Type_II_96.43mm	15:30	2.893
50yr_24hr_SCS_Type_II_96.43mm	15:45	2.893
50yr_24hr_SCS_Type_II_96.43mm	16:00	1.736
50yr_24hr_SCS_Type_II_96.43mm	16:15	1.736
50yr_24hr_SCS_Type_II_96.43mm	16:30	1.736
50yr_24hr_SCS_Type_II_96.43mm	16:45	1.736
50yr_24hr_SCS_Type_II_96.43mm	17:00	1.736
50yr_24hr_SCS_Type_II_96.43mm	17:15	1.736
50yr_24hr_SCS_Type_II_96.43mm	17:30	1.736
50yr_24hr_SCS_Type_II_96.43mm	17:45	1.736
50yr_24hr_SCS_Type_II_96.43mm	18:00	1.736
50yr_24hr_SCS_Type_II_96.43mm	18:15	1.736
50yr_24hr_SCS_Type_II_96.43mm	18:30	1.736
50yr_24hr_SCS_Type_II_96.43mm	18:45	1.736

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50yr_24hr_SCS_Type_II_96.43mm            19:00      1.736
50yr_24hr_SCS_Type_II_96.43mm            19:15      1.736
50yr_24hr_SCS_Type_II_96.43mm            19:30      1.736
50yr_24hr_SCS_Type_II_96.43mm            19:45      1.736
50yr_24hr_SCS_Type_II_96.43mm            20:00      1.157
50yr_24hr_SCS_Type_II_96.43mm            20:15      1.157
50yr_24hr_SCS_Type_II_96.43mm            20:30      1.157
50yr_24hr_SCS_Type_II_96.43mm            20:45      1.157
50yr_24hr_SCS_Type_II_96.43mm            21:00      1.157
50yr_24hr_SCS_Type_II_96.43mm            21:15      1.157
50yr_24hr_SCS_Type_II_96.43mm            21:30      1.157
50yr_24hr_SCS_Type_II_96.43mm            21:45      1.157
50yr_24hr_SCS_Type_II_96.43mm            22:00      1.157
50yr_24hr_SCS_Type_II_96.43mm            22:15      1.157
50yr_24hr_SCS_Type_II_96.43mm            22:30      1.157
50yr_24hr_SCS_Type_II_96.43mm            22:45      1.157
50yr_24hr_SCS_Type_II_96.43mm            23:00      1.157
50yr_24hr_SCS_Type_II_96.43mm            23:15      1.157
50yr_24hr_SCS_Type_II_96.43mm            23:30      1.157
50yr_24hr_SCS_Type_II_96.43mm            23:45      1.157

;SCS_Type II_65.3mm design storm, total rainfall = 65.3 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
5yr_24hr_SCS_Type_II_65.3mm            0:00       0.718
5yr_24hr_SCS_Type_II_65.3mm            0:15       0.718
5yr_24hr_SCS_Type_II_65.3mm            0:30       0.718
5yr_24hr_SCS_Type_II_65.3mm            0:45       0.718
5yr_24hr_SCS_Type_II_65.3mm            1:00       0.718
5yr_24hr_SCS_Type_II_65.3mm            1:15       0.718
5yr_24hr_SCS_Type_II_65.3mm            1:30       0.718
5yr_24hr_SCS_Type_II_65.3mm            1:45       0.718
5yr_24hr_SCS_Type_II_65.3mm            2:00       0.849
5yr_24hr_SCS_Type_II_65.3mm            2:15       0.849
5yr_24hr_SCS_Type_II_65.3mm            2:30       0.849
5yr_24hr_SCS_Type_II_65.3mm            2:45       0.849
5yr_24hr_SCS_Type_II_65.3mm            3:00       0.849
5yr_24hr_SCS_Type_II_65.3mm            3:15       0.849
5yr_24hr_SCS_Type_II_65.3mm            3:30       0.849
5yr_24hr_SCS_Type_II_65.3mm            3:45       0.849
5yr_24hr_SCS_Type_II_65.3mm            4:00       1.045
5yr_24hr_SCS_Type_II_65.3mm            4:15       1.045
5yr_24hr_SCS_Type_II_65.3mm            4:30       1.045
5yr_24hr_SCS_Type_II_65.3mm            4:45       1.045
5yr_24hr_SCS_Type_II_65.3mm            5:00       1.045
5yr_24hr_SCS_Type_II_65.3mm            5:15       1.045
5yr_24hr_SCS_Type_II_65.3mm            5:30       1.045
5yr_24hr_SCS_Type_II_65.3mm            5:45       1.045
5yr_24hr_SCS_Type_II_65.3mm            6:00       1.175
5yr_24hr_SCS_Type_II_65.3mm            6:15       1.175
5yr_24hr_SCS_Type_II_65.3mm            6:30       1.175
5yr_24hr_SCS_Type_II_65.3mm            6:45       1.175
5yr_24hr_SCS_Type_II_65.3mm            7:00       1.437
5yr_24hr_SCS_Type_II_65.3mm            7:15       1.437
5yr_24hr_SCS_Type_II_65.3mm            7:30       1.437
5yr_24hr_SCS_Type_II_65.3mm            7:45       1.437
5yr_24hr_SCS_Type_II_65.3mm            8:00       1.698
5yr_24hr_SCS_Type_II_65.3mm            8:15       1.698
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5yr_24hr_SCS_Type_II_65.3mm	8:30	1.828
5yr_24hr_SCS_Type_II_65.3mm	8:45	1.828
5yr_24hr_SCS_Type_II_65.3mm	9:00	2.09
5yr_24hr_SCS_Type_II_65.3mm	9:15	2.09
5yr_24hr_SCS_Type_II_65.3mm	9:30	2.351
5yr_24hr_SCS_Type_II_65.3mm	9:45	2.351
5yr_24hr_SCS_Type_II_65.3mm	10:00	3.004
5yr_24hr_SCS_Type_II_65.3mm	10:15	3.004
5yr_24hr_SCS_Type_II_65.3mm	10:30	4.049
5yr_24hr_SCS_Type_II_65.3mm	10:45	4.049
5yr_24hr_SCS_Type_II_65.3mm	11:00	6.269
5yr_24hr_SCS_Type_II_65.3mm	11:15	6.269
5yr_24hr_SCS_Type_II_65.3mm	11:30	19.329
5yr_24hr_SCS_Type_II_65.3mm	11:45	79.927
5yr_24hr_SCS_Type_II_65.3mm	12:00	9.403
5yr_24hr_SCS_Type_II_65.3mm	12:15	9.403
5yr_24hr_SCS_Type_II_65.3mm	12:30	4.832
5yr_24hr_SCS_Type_II_65.3mm	12:45	4.832
5yr_24hr_SCS_Type_II_65.3mm	13:00	3.526
5yr_24hr_SCS_Type_II_65.3mm	13:15	3.526
5yr_24hr_SCS_Type_II_65.3mm	13:30	2.743
5yr_24hr_SCS_Type_II_65.3mm	13:45	2.743
5yr_24hr_SCS_Type_II_65.3mm	14:00	1.959
5yr_24hr_SCS_Type_II_65.3mm	14:15	1.959
5yr_24hr_SCS_Type_II_65.3mm	14:30	1.959
5yr_24hr_SCS_Type_II_65.3mm	14:45	1.959
5yr_24hr_SCS_Type_II_65.3mm	15:00	1.959
5yr_24hr_SCS_Type_II_65.3mm	15:15	1.959
5yr_24hr_SCS_Type_II_65.3mm	15:30	1.959
5yr_24hr_SCS_Type_II_65.3mm	15:45	1.959
5yr_24hr_SCS_Type_II_65.3mm	16:00	1.175
5yr_24hr_SCS_Type_II_65.3mm	16:15	1.175
5yr_24hr_SCS_Type_II_65.3mm	16:30	1.175
5yr_24hr_SCS_Type_II_65.3mm	16:45	1.175
5yr_24hr_SCS_Type_II_65.3mm	17:00	1.175
5yr_24hr_SCS_Type_II_65.3mm	17:15	1.175
5yr_24hr_SCS_Type_II_65.3mm	17:30	1.175
5yr_24hr_SCS_Type_II_65.3mm	17:45	1.175
5yr_24hr_SCS_Type_II_65.3mm	18:00	1.175
5yr_24hr_SCS_Type_II_65.3mm	18:15	1.175
5yr_24hr_SCS_Type_II_65.3mm	18:30	1.175
5yr_24hr_SCS_Type_II_65.3mm	18:45	1.175
5yr_24hr_SCS_Type_II_65.3mm	19:00	1.175
5yr_24hr_SCS_Type_II_65.3mm	19:15	1.175
5yr_24hr_SCS_Type_II_65.3mm	19:30	1.175
5yr_24hr_SCS_Type_II_65.3mm	19:45	1.175
5yr_24hr_SCS_Type_II_65.3mm	20:00	0.784
5yr_24hr_SCS_Type_II_65.3mm	20:15	0.784
5yr_24hr_SCS_Type_II_65.3mm	20:30	0.784
5yr_24hr_SCS_Type_II_65.3mm	20:45	0.784
5yr_24hr_SCS_Type_II_65.3mm	21:00	0.784
5yr_24hr_SCS_Type_II_65.3mm	21:15	0.784
5yr_24hr_SCS_Type_II_65.3mm	21:30	0.784
5yr_24hr_SCS_Type_II_65.3mm	21:45	0.784
5yr_24hr_SCS_Type_II_65.3mm	22:00	0.784
5yr_24hr_SCS_Type_II_65.3mm	22:15	0.784
5yr_24hr_SCS_Type_II_65.3mm	22:30	0.784

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5yr_24hr_SCS_Type_II_65.3mm            22:45      0.784
5yr_24hr_SCS_Type_II_65.3mm            23:00      0.784
5yr_24hr_SCS_Type_II_65.3mm            23:15      0.784
5yr_24hr_SCS_Type_II_65.3mm            23:30      0.784
5yr_24hr_SCS_Type_II_65.3mm            23:45      0.784

;Chicago design storm, a = 1640.41003960138, b = 0, c = 0.802, Duration = 720
minutes, r = 0.35, rain interval = 15 minutes, rain units = mm/hr.
Chicago_100YR_12h_15min            0:00       1.701
Chicago_100YR_12h_15min            0:15       1.789
Chicago_100YR_12h_15min            0:30       1.889
Chicago_100YR_12h_15min            0:45       2.002
Chicago_100YR_12h_15min            1:00       2.132
Chicago_100YR_12h_15min            1:15       2.282
Chicago_100YR_12h_15min            1:30       2.459
Chicago_100YR_12h_15min            1:45       2.669
Chicago_100YR_12h_15min            2:00       2.924
Chicago_100YR_12h_15min            2:15       3.242
Chicago_100YR_12h_15min            2:30       3.65
Chicago_100YR_12h_15min            2:45       4.196
Chicago_100YR_12h_15min            3:00       4.967
Chicago_100YR_12h_15min            3:15       6.156
Chicago_100YR_12h_15min            3:30       8.273
Chicago_100YR_12h_15min            3:45       13.423
Chicago_100YR_12h_15min            4:00       186.951
Chicago_100YR_12h_15min            4:15       27.321
Chicago_100YR_12h_15min            4:30       17.495
Chicago_100YR_12h_15min            4:45       11.913
Chicago_100YR_12h_15min            5:00       9.217
Chicago_100YR_12h_15min            5:15       7.595
Chicago_100YR_12h_15min            5:30       6.5
Chicago_100YR_12h_15min            5:45       5.707
Chicago_100YR_12h_15min            6:00       5.103
Chicago_100YR_12h_15min            6:15       4.626
Chicago_100YR_12h_15min            6:30       4.239
Chicago_100YR_12h_15min            6:45       3.918
Chicago_100YR_12h_15min            7:00       3.646
Chicago_100YR_12h_15min            7:15       3.414
Chicago_100YR_12h_15min            7:30       3.212
Chicago_100YR_12h_15min            7:45       3.036
Chicago_100YR_12h_15min            8:00       2.88
Chicago_100YR_12h_15min            8:15       2.74
Chicago_100YR_12h_15min            8:30       2.616
Chicago_100YR_12h_15min            8:45       2.503
Chicago_100YR_12h_15min            9:00       2.4
Chicago_100YR_12h_15min            9:15       2.307
Chicago_100YR_12h_15min            9:30       2.221
Chicago_100YR_12h_15min            9:45       2.142
Chicago_100YR_12h_15min            10:00      2.069
Chicago_100YR_12h_15min            10:15      2.002
Chicago_100YR_12h_15min            10:30      1.939
Chicago_100YR_12h_15min            10:45      1.881
Chicago_100YR_12h_15min            11:00      1.826
Chicago_100YR_12h_15min            11:15      1.775
Chicago_100YR_12h_15min            11:30      1.727
Chicago_100YR_12h_15min            11:45      1.681
Chicago_100YR_12h_15min            12:00      0
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;Chicago design storm, a = 1640.41003960138, b = 0, c = 0.802, Duration = 1440 minutes, r = 0.35, rain interval = 15 minutes, rain units = mm/hr.

Chicago_100YR_24h_15min	0:00	0.964
Chicago_100YR_24h_15min	0:15	0.988
Chicago_100YR_24h_15min	0:30	1.013
Chicago_100YR_24h_15min	0:45	1.04
Chicago_100YR_24h_15min	1:00	1.068
Chicago_100YR_24h_15min	1:15	1.099
Chicago_100YR_24h_15min	1:30	1.131
Chicago_100YR_24h_15min	1:45	1.166
Chicago_100YR_24h_15min	2:00	1.203
Chicago_100YR_24h_15min	2:15	1.243
Chicago_100YR_24h_15min	2:30	1.286
Chicago_100YR_24h_15min	2:45	1.332
Chicago_100YR_24h_15min	3:00	1.383
Chicago_100YR_24h_15min	3:15	1.438
Chicago_100YR_24h_15min	3:30	1.498
Chicago_100YR_24h_15min	3:45	1.564
Chicago_100YR_24h_15min	4:00	1.637
Chicago_100YR_24h_15min	4:15	1.718
Chicago_100YR_24h_15min	4:30	1.808
Chicago_100YR_24h_15min	4:45	1.911
Chicago_100YR_24h_15min	5:00	2.027
Chicago_100YR_24h_15min	5:15	2.16
Chicago_100YR_24h_15min	5:30	2.315
Chicago_100YR_24h_15min	5:45	2.498
Chicago_100YR_24h_15min	6:00	2.716
Chicago_100YR_24h_15min	6:15	2.982
Chicago_100YR_24h_15min	6:30	3.315
Chicago_100YR_24h_15min	6:45	3.746
Chicago_100YR_24h_15min	7:00	4.328
Chicago_100YR_24h_15min	7:15	5.162
Chicago_100YR_24h_15min	7:30	6.478
Chicago_100YR_24h_15min	7:45	8.92
Chicago_100YR_24h_15min	8:00	15.605
Chicago_100YR_24h_15min	8:15	186.951
Chicago_100YR_24h_15min	8:30	27.306
Chicago_100YR_24h_15min	8:45	15.931
Chicago_100YR_24h_15min	9:00	11.237
Chicago_100YR_24h_15min	9:15	8.832
Chicago_100YR_24h_15min	9:30	7.344
Chicago_100YR_24h_15min	9:45	6.322
Chicago_100YR_24h_15min	10:00	5.574
Chicago_100YR_24h_15min	10:15	4.999
Chicago_100YR_24h_15min	10:30	4.542
Chicago_100YR_24h_15min	10:45	4.17
Chicago_100YR_24h_15min	11:00	3.86
Chicago_100YR_24h_15min	11:15	3.597
Chicago_100YR_24h_15min	11:30	3.371
Chicago_100YR_24h_15min	11:45	3.175
Chicago_100YR_24h_15min	12:00	3.003
Chicago_100YR_24h_15min	12:15	2.851
Chicago_100YR_24h_15min	12:30	2.714
Chicago_100YR_24h_15min	12:45	2.592
Chicago_100YR_24h_15min	13:00	2.481
Chicago_100YR_24h_15min	13:15	2.381

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Chicago_100YR_24h_15min            13:30      2.289
Chicago_100YR_24h_15min            13:45      2.205
Chicago_100YR_24h_15min            14:00      2.127
Chicago_100YR_24h_15min            14:15      2.056
Chicago_100YR_24h_15min            14:30      1.989
Chicago_100YR_24h_15min            14:45      1.927
Chicago_100YR_24h_15min            15:00      1.869
Chicago_100YR_24h_15min            15:15      1.816
Chicago_100YR_24h_15min            15:30      1.765
Chicago_100YR_24h_15min            15:45      1.717
Chicago_100YR_24h_15min            16:00      1.673
Chicago_100YR_24h_15min            16:15      1.631
Chicago_100YR_24h_15min            16:30      1.591
Chicago_100YR_24h_15min            16:45      1.553
Chicago_100YR_24h_15min            17:00      1.517
Chicago_100YR_24h_15min            17:15      1.483
Chicago_100YR_24h_15min            17:30      1.451
Chicago_100YR_24h_15min            17:45      1.42
Chicago_100YR_24h_15min            18:00      1.391
Chicago_100YR_24h_15min            18:15      1.363
Chicago_100YR_24h_15min            18:30      1.336
Chicago_100YR_24h_15min            18:45      1.31
Chicago_100YR_24h_15min            19:00      1.286
Chicago_100YR_24h_15min            19:15      1.262
Chicago_100YR_24h_15min            19:30      1.24
Chicago_100YR_24h_15min            19:45      1.218
Chicago_100YR_24h_15min            20:00      1.197
Chicago_100YR_24h_15min            20:15      1.177
Chicago_100YR_24h_15min            20:30      1.158
Chicago_100YR_24h_15min            20:45      1.139
Chicago_100YR_24h_15min            21:00      1.121
Chicago_100YR_24h_15min            21:15      1.104
Chicago_100YR_24h_15min            21:30      1.087
Chicago_100YR_24h_15min            21:45      1.071
Chicago_100YR_24h_15min            22:00      1.055
Chicago_100YR_24h_15min            22:15      1.04
Chicago_100YR_24h_15min            22:30      1.025
Chicago_100YR_24h_15min            22:45      1.011
Chicago_100YR_24h_15min            23:00      0.997
Chicago_100YR_24h_15min            23:15      0.984
Chicago_100YR_24h_15min            23:30      0.971
Chicago_100YR_24h_15min            23:45      0.958
Chicago_100YR_24h_15min            24:00      0

;Chicago design storm, a = 1640.41003960138, b = 0, c = 0.802, Duration = 240
minutes, r = 0.35, rain interval = 15 minutes, rain units = mm/hr.
Chicago_100YR_4h_15min            0:00       4.328
Chicago_100YR_4h_15min            0:15       5.162
Chicago_100YR_4h_15min            0:30       6.478
Chicago_100YR_4h_15min            0:45       8.92
Chicago_100YR_4h_15min            1:00       15.605
Chicago_100YR_4h_15min            1:15       186.951
Chicago_100YR_4h_15min            1:30       27.306
Chicago_100YR_4h_15min            1:45       15.931
Chicago_100YR_4h_15min            2:00       11.237
Chicago_100YR_4h_15min            2:15       8.832
Chicago_100YR_4h_15min            2:30       7.344
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Chicago_100YR_4h_15min            2:45       6.322
Chicago_100YR_4h_15min            3:00       5.574
Chicago_100YR_4h_15min            3:15       4.999
Chicago_100YR_4h_15min            3:30       4.542
Chicago_100YR_4h_15min            3:45       4.17
Chicago_100YR_4h_15min            4:00       0

;Chicago design storm, a = 1640.41003960138, b = 0, c = 0.802, Duration = 360
minutes, r = 0.35, rain interval = 15 minutes, rain units = mm/hr.
Chicago_100YR_6h_15min            0:00       3.043
Chicago_100YR_6h_15min            0:15       3.393
Chicago_100YR_6h_15min            0:30       3.848
Chicago_100YR_6h_15min            0:45       4.47
Chicago_100YR_6h_15min            1:00       5.376
Chicago_100YR_6h_15min            1:15       6.84
Chicago_100YR_6h_15min            1:30       9.697
Chicago_100YR_6h_15min            1:45       18.914
Chicago_100YR_6h_15min            2:00       186.951
Chicago_100YR_6h_15min            2:15       25.48
Chicago_100YR_6h_15min            2:30       14.656
Chicago_100YR_6h_15min            2:45       10.642
Chicago_100YR_6h_15min            3:00       8.481
Chicago_100YR_6h_15min            3:15       7.11
Chicago_100YR_6h_15min            3:30       6.155
Chicago_100YR_6h_15min            3:45       5.447
Chicago_100YR_6h_15min            4:00       4.899
Chicago_100YR_6h_15min            4:15       4.462
Chicago_100YR_6h_15min            4:30       4.103
Chicago_100YR_6h_15min            4:45       3.804
Chicago_100YR_6h_15min            5:00       3.549
Chicago_100YR_6h_15min            5:15       3.33
Chicago_100YR_6h_15min            5:30       3.139
Chicago_100YR_6h_15min            5:45       2.971
Chicago_100YR_6h_15min            6:00       0

;SCS_Type II_105.38mm design storm, total rainfall = 105.38 mm, rain interval = 6
minutes, rain units = mm/hr.
SCS_Type_II_100YR_12HR_105.38mm_6min          0:00       2.26799
SCS_Type_II_100YR_12HR_105.38mm_6min          0:06       2.29305
SCS_Type_II_100YR_12HR_105.38mm_6min          0:12       2.31811
SCS_Type_II_100YR_12HR_105.38mm_6min          0:18       2.34317
SCS_Type_II_100YR_12HR_105.38mm_6min          0:24       2.36823
SCS_Type_II_100YR_12HR_105.38mm_6min          0:30       2.39329
SCS_Type_II_100YR_12HR_105.38mm_6min          0:36       2.41835
SCS_Type_II_100YR_12HR_105.38mm_6min          0:42       2.44341
SCS_Type_II_100YR_12HR_105.38mm_6min          0:48       2.46847
SCS_Type_II_100YR_12HR_105.38mm_6min          0:54       2.49353
SCS_Type_II_100YR_12HR_105.38mm_6min          1:00       2.51859
SCS_Type_II_100YR_12HR_105.38mm_6min          1:06       2.54366
SCS_Type_II_100YR_12HR_105.38mm_6min          1:12       2.56872
SCS_Type_II_100YR_12HR_105.38mm_6min          1:18       2.59378
SCS_Type_II_100YR_12HR_105.38mm_6min          1:24       2.61884
SCS_Type_II_100YR_12HR_105.38mm_6min          1:30       2.6439
SCS_Type_II_100YR_12HR_105.38mm_6min          1:36       2.66896
SCS_Type_II_100YR_12HR_105.38mm_6min          1:42       2.69402
SCS_Type_II_100YR_12HR_105.38mm_6min          1:48       2.71908
SCS_Type_II_100YR_12HR_105.38mm_6min          1:54       2.74414
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SCS_Type_II_100YR_12HR_105.38mm_6min	2:00	2.81932
SCS_Type_II_100YR_12HR_105.38mm_6min	2:06	2.94463
SCS_Type_II_100YR_12HR_105.38mm_6min	2:12	3.06993
SCS_Type_II_100YR_12HR_105.38mm_6min	2:18	3.19523
SCS_Type_II_100YR_12HR_105.38mm_6min	2:24	3.32054
SCS_Type_II_100YR_12HR_105.38mm_6min	2:30	3.44584
SCS_Type_II_100YR_12HR_105.38mm_6min	2:36	3.57114
SCS_Type_II_100YR_12HR_105.38mm_6min	2:42	3.69644
SCS_Type_II_100YR_12HR_105.38mm_6min	2:48	3.82175
SCS_Type_II_100YR_12HR_105.38mm_6min	2:54	3.94705
SCS_Type_II_100YR_12HR_105.38mm_6min	3:00	4.0097
SCS_Type_II_100YR_12HR_105.38mm_6min	3:06	4.0097
SCS_Type_II_100YR_12HR_105.38mm_6min	3:12	4.0097
SCS_Type_II_100YR_12HR_105.38mm_6min	3:18	4.0097
SCS_Type_II_100YR_12HR_105.38mm_6min	3:24	4.0097
SCS_Type_II_100YR_12HR_105.38mm_6min	3:30	4.10995
SCS_Type_II_100YR_12HR_105.38mm_6min	3:36	4.31043
SCS_Type_II_100YR_12HR_105.38mm_6min	3:42	4.51092
SCS_Type_II_100YR_12HR_105.38mm_6min	3:48	4.7114
SCS_Type_II_100YR_12HR_105.38mm_6min	3:54	4.91189
SCS_Type_II_100YR_12HR_105.38mm_6min	4:00	5.16249
SCS_Type_II_100YR_12HR_105.38mm_6min	4:06	5.46322
SCS_Type_II_100YR_12HR_105.38mm_6min	4:12	5.76395
SCS_Type_II_100YR_12HR_105.38mm_6min	4:18	6.06468
SCS_Type_II_100YR_12HR_105.38mm_6min	4:24	6.3654
SCS_Type_II_100YR_12HR_105.38mm_6min	4:30	6.76637
SCS_Type_II_100YR_12HR_105.38mm_6min	4:36	7.26759
SCS_Type_II_100YR_12HR_105.38mm_6min	4:42	7.7688
SCS_Type_II_100YR_12HR_105.38mm_6min	4:48	8.27001
SCS_Type_II_100YR_12HR_105.38mm_6min	4:54	8.77122
SCS_Type_II_100YR_12HR_105.38mm_6min	5:00	9.62329
SCS_Type_II_100YR_12HR_105.38mm_6min	5:06	10.8262
SCS_Type_II_100YR_12HR_105.38mm_6min	5:12	12.02911
SCS_Type_II_100YR_12HR_105.38mm_6min	5:18	13.23202
SCS_Type_II_100YR_12HR_105.38mm_6min	5:24	14.43493
SCS_Type_II_100YR_12HR_105.38mm_6min	5:30	29.87229
SCS_Type_II_100YR_12HR_105.38mm_6min	5:36	59.54409
SCS_Type_II_100YR_12HR_105.38mm_6min	5:42	95.76924
SCS_Type_II_100YR_12HR_105.38mm_6min	5:48	171.75311
SCS_Type_II_100YR_12HR_105.38mm_6min	5:54	119.21347
SCS_Type_II_100YR_12HR_105.38mm_6min	6:00	23.75749
SCS_Type_II_100YR_12HR_105.38mm_6min	6:06	20.90058
SCS_Type_II_100YR_12HR_105.38mm_6min	6:12	18.04366
SCS_Type_II_100YR_12HR_105.38mm_6min	6:18	15.18675
SCS_Type_II_100YR_12HR_105.38mm_6min	6:24	12.32984
SCS_Type_II_100YR_12HR_105.38mm_6min	6:30	10.57559
SCS_Type_II_100YR_12HR_105.38mm_6min	6:36	9.92401
SCS_Type_II_100YR_12HR_105.38mm_6min	6:42	9.27244
SCS_Type_II_100YR_12HR_105.38mm_6min	6:48	8.62086
SCS_Type_II_100YR_12HR_105.38mm_6min	6:54	7.96928
SCS_Type_II_100YR_12HR_105.38mm_6min	7:00	7.46807
SCS_Type_II_100YR_12HR_105.38mm_6min	7:06	7.11722
SCS_Type_II_100YR_12HR_105.38mm_6min	7:12	6.76637
SCS_Type_II_100YR_12HR_105.38mm_6min	7:18	6.41552
SCS_Type_II_100YR_12HR_105.38mm_6min	7:24	6.06468
SCS_Type_II_100YR_12HR_105.38mm_6min	7:30	5.76395
SCS_Type_II_100YR_12HR_105.38mm_6min	7:36	5.51334

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SCS_Type_II_100YR_12HR_105.38mm_6min            7:42       5.26273
SCS_Type_II_100YR_12HR_105.38mm_6min            7:48       5.01213
SCS_Type_II_100YR_12HR_105.38mm_6min            7:54       4.76152
SCS_Type_II_100YR_12HR_105.38mm_6min            8:00       4.59863
SCS_Type_II_100YR_12HR_105.38mm_6min            8:06       4.49839
SCS_Type_II_100YR_12HR_105.38mm_6min            8:12       4.4232
SCS_Type_II_100YR_12HR_105.38mm_6min            8:18       4.32296
SCS_Type_II_100YR_12HR_105.38mm_6min            8:24       4.24778
SCS_Type_II_100YR_12HR_105.38mm_6min            8:30       4.14754
SCS_Type_II_100YR_12HR_105.38mm_6min            8:36       4.07235
SCS_Type_II_100YR_12HR_105.38mm_6min            8:42       3.97211
SCS_Type_II_100YR_12HR_105.38mm_6min            8:48       3.89693
SCS_Type_II_100YR_12HR_105.38mm_6min            8:54       3.79669
SCS_Type_II_100YR_12HR_105.38mm_6min            9:00       3.72151
SCS_Type_II_100YR_12HR_105.38mm_6min            9:06       3.62126
SCS_Type_II_100YR_12HR_105.38mm_6min            9:12       3.54608
SCS_Type_II_100YR_12HR_105.38mm_6min            9:18       3.44584
SCS_Type_II_100YR_12HR_105.38mm_6min            9:24       3.37066
SCS_Type_II_100YR_12HR_105.38mm_6min            9:30       3.27041
SCS_Type_II_100YR_12HR_105.38mm_6min            9:36       3.19523
SCS_Type_II_100YR_12HR_105.38mm_6min            9:42       3.09499
SCS_Type_II_100YR_12HR_105.38mm_6min            9:48       3.01981
SCS_Type_II_100YR_12HR_105.38mm_6min            9:54       2.91956
SCS_Type_II_100YR_12HR_105.38mm_6min            10:00      2.86944
SCS_Type_II_100YR_12HR_105.38mm_6min            10:06      2.83185
SCS_Type_II_100YR_12HR_105.38mm_6min            10:12      2.80679
SCS_Type_II_100YR_12HR_105.38mm_6min            10:18      2.7692
SCS_Type_II_100YR_12HR_105.38mm_6min            10:24      2.74414
SCS_Type_II_100YR_12HR_105.38mm_6min            10:30      2.70655
SCS_Type_II_100YR_12HR_105.38mm_6min            10:36      2.68149
SCS_Type_II_100YR_12HR_105.38mm_6min            10:42      2.6439
SCS_Type_II_100YR_12HR_105.38mm_6min            10:48      2.61884
SCS_Type_II_100YR_12HR_105.38mm_6min            10:54      2.58125
SCS_Type_II_100YR_12HR_105.38mm_6min            11:00      2.55619
SCS_Type_II_100YR_12HR_105.38mm_6min            11:06      2.51859
SCS_Type_II_100YR_12HR_105.38mm_6min            11:12      2.49353
SCS_Type_II_100YR_12HR_105.38mm_6min            11:18      2.45594
SCS_Type_II_100YR_12HR_105.38mm_6min            11:24      2.43088
SCS_Type_II_100YR_12HR_105.38mm_6min            11:30      2.39329
SCS_Type_II_100YR_12HR_105.38mm_6min            11:36      2.36823
SCS_Type_II_100YR_12HR_105.38mm_6min            11:42      2.33064
SCS_Type_II_100YR_12HR_105.38mm_6min            11:48      2.30558
SCS_Type_II_100YR_12HR_105.38mm_6min            11:54      2.26799

;SCS_Type II_105.53mm design storm, total rainfall = 105.53 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
SCS_Type_II_100YR_24HR_105.53mm_15min            0:00       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            0:15       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            0:30       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            0:45       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            1:00       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            1:15       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            1:30       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            1:45       1.161
SCS_Type_II_100YR_24HR_105.53mm_15min            2:00       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min            2:15       1.372
SCS_Type_II_100YR_24HR_105.53mm_15min            2:30       1.372
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SCS_Type_II_100YR_24HR_105.53mm_15min	2:45	1.372
SCS_Type_II_100YR_24HR_105.53mm_15min	3:00	1.372
SCS_Type_II_100YR_24HR_105.53mm_15min	3:15	1.372
SCS_Type_II_100YR_24HR_105.53mm_15min	3:30	1.372
SCS_Type_II_100YR_24HR_105.53mm_15min	3:45	1.372
SCS_Type_II_100YR_24HR_105.53mm_15min	4:00	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	4:15	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	4:30	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	4:45	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	5:00	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	5:15	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	5:30	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	5:45	1.688
SCS_Type_II_100YR_24HR_105.53mm_15min	6:00	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	6:15	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	6:30	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	6:45	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	7:00	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	7:15	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	7:30	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	7:45	2.322
SCS_Type_II_100YR_24HR_105.53mm_15min	8:00	2.744
SCS_Type_II_100YR_24HR_105.53mm_15min	8:15	2.744
SCS_Type_II_100YR_24HR_105.53mm_15min	8:30	2.955
SCS_Type_II_100YR_24HR_105.53mm_15min	8:45	2.955
SCS_Type_II_100YR_24HR_105.53mm_15min	9:00	3.377
SCS_Type_II_100YR_24HR_105.53mm_15min	9:15	3.377
SCS_Type_II_100YR_24HR_105.53mm_15min	9:30	3.799
SCS_Type_II_100YR_24HR_105.53mm_15min	9:45	3.799
SCS_Type_II_100YR_24HR_105.53mm_15min	10:00	4.854
SCS_Type_II_100YR_24HR_105.53mm_15min	10:15	4.854
SCS_Type_II_100YR_24HR_105.53mm_15min	10:30	6.543
SCS_Type_II_100YR_24HR_105.53mm_15min	10:45	6.543
SCS_Type_II_100YR_24HR_105.53mm_15min	11:00	10.131
SCS_Type_II_100YR_24HR_105.53mm_15min	11:15	10.131
SCS_Type_II_100YR_24HR_105.53mm_15min	11:30	31.237
SCS_Type_II_100YR_24HR_105.53mm_15min	11:45	129.169
SCS_Type_II_100YR_24HR_105.53mm_15min	12:00	15.196
SCS_Type_II_100YR_24HR_105.53mm_15min	12:15	15.196
SCS_Type_II_100YR_24HR_105.53mm_15min	12:30	7.809
SCS_Type_II_100YR_24HR_105.53mm_15min	12:45	7.809
SCS_Type_II_100YR_24HR_105.53mm_15min	13:00	5.699
SCS_Type_II_100YR_24HR_105.53mm_15min	13:15	5.699
SCS_Type_II_100YR_24HR_105.53mm_15min	13:30	4.432
SCS_Type_II_100YR_24HR_105.53mm_15min	13:45	4.432
SCS_Type_II_100YR_24HR_105.53mm_15min	14:00	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	14:15	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	14:30	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	14:45	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:00	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:15	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:30	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	15:45	3.166
SCS_Type_II_100YR_24HR_105.53mm_15min	16:00	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	16:15	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	16:30	1.9
SCS_Type_II_100YR_24HR_105.53mm_15min	16:45	1.9

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SCS_Type_II_100YR_24HR_105.53mm_15min            17:00      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            17:15      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            17:30      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            17:45      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            18:00      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            18:15      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            18:30      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            18:45      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            19:00      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            19:15      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            19:30      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            19:45      1.9
SCS_Type_II_100YR_24HR_105.53mm_15min            20:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            20:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            20:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            20:45      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            21:45      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            22:45      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:00      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:15      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:30      1.266
SCS_Type_II_100YR_24HR_105.53mm_15min            23:45      1.266

;SCS_Type II_89.23mm design storm, total rainfall = 89.23 mm, rain interval = 6
minutes, rain units = mm/hr.
SCS_Type_II_100YR_6HR_89.23mm_6min           0:00       3.97773
SCS_Type_II_100YR_6HR_89.23mm_6min           0:06       4.04087
SCS_Type_II_100YR_6HR_89.23mm_6min           0:12       4.04087
SCS_Type_II_100YR_6HR_89.23mm_6min           0:18       4.04087
SCS_Type_II_100YR_6HR_89.23mm_6min           0:24       4.04087
SCS_Type_II_100YR_6HR_89.23mm_6min           0:30       4.04087
SCS_Type_II_100YR_6HR_89.23mm_6min           0:36       4.14189
SCS_Type_II_100YR_6HR_89.23mm_6min           0:42       4.34394
SCS_Type_II_100YR_6HR_89.23mm_6min           0:48       4.54598
SCS_Type_II_100YR_6HR_89.23mm_6min           0:54       4.74802
SCS_Type_II_100YR_6HR_89.23mm_6min           1:00       4.95007
SCS_Type_II_100YR_6HR_89.23mm_6min           1:06       5.20262
SCS_Type_II_100YR_6HR_89.23mm_6min           1:12       5.50569
SCS_Type_II_100YR_6HR_89.23mm_6min           1:18       5.80875
SCS_Type_II_100YR_6HR_89.23mm_6min           1:24       6.11182
SCS_Type_II_100YR_6HR_89.23mm_6min           1:30       6.41488
SCS_Type_II_100YR_6HR_89.23mm_6min           1:36       6.81897
SCS_Type_II_100YR_6HR_89.23mm_6min           1:42       7.32408
SCS_Type_II_100YR_6HR_89.23mm_6min           1:48       7.82919
SCS_Type_II_100YR_6HR_89.23mm_6min           1:54       8.3343
SCS_Type_II_100YR_6HR_89.23mm_6min           2:00       8.8394
SCS_Type_II_100YR_6HR_89.23mm_6min           2:06       9.69809
SCS_Type_II_100YR_6HR_89.23mm_6min           2:12       10.91035
SCS_Type_II_100YR_6HR_89.23mm_6min           2:18       12.12261
SCS_Type_II_100YR_6HR_89.23mm_6min           2:24       13.33487
SCS_Type_II_100YR_6HR_89.23mm_6min           2:30       14.54713
```

```
SCS_Type_II_100YR_6HR_89.23mm_6min           2:36       30.10449
SCS_Type_II_100YR_6HR_89.23mm_6min           2:42       60.00693
SCS_Type_II_100YR_6HR_89.23mm_6min           2:48       96.51367
SCS_Type_II_100YR_6HR_89.23mm_6min           2:54       173.08817
SCS_Type_II_100YR_6HR_89.23mm_6min           3:00       120.14013
SCS_Type_II_100YR_6HR_89.23mm_6min           3:06       23.94216
SCS_Type_II_100YR_6HR_89.23mm_6min           3:12       21.06304
SCS_Type_II_100YR_6HR_89.23mm_6min           3:18       18.18392
SCS_Type_II_100YR_6HR_89.23mm_6min           3:24       15.3048
SCS_Type_II_100YR_6HR_89.23mm_6min           3:30       12.42568
SCS_Type_II_100YR_6HR_89.23mm_6min           3:36       10.6578
SCS_Type_II_100YR_6HR_89.23mm_6min           3:42       10.00115
SCS_Type_II_100YR_6HR_89.23mm_6min           3:48       9.34451
SCS_Type_II_100YR_6HR_89.23mm_6min           3:54       8.68787
SCS_Type_II_100YR_6HR_89.23mm_6min           4:00       8.03123
SCS_Type_II_100YR_6HR_89.23mm_6min           4:06       7.52612
SCS_Type_II_100YR_6HR_89.23mm_6min           4:12       7.17255
SCS_Type_II_100YR_6HR_89.23mm_6min           4:18       6.81897
SCS_Type_II_100YR_6HR_89.23mm_6min           4:24       6.46539
SCS_Type_II_100YR_6HR_89.23mm_6min           4:30       6.11182
SCS_Type_II_100YR_6HR_89.23mm_6min           4:36       5.80875
SCS_Type_II_100YR_6HR_89.23mm_6min           4:42       5.5562
SCS_Type_II_100YR_6HR_89.23mm_6min           4:48       5.30364
SCS_Type_II_100YR_6HR_89.23mm_6min           4:54       5.05109
SCS_Type_II_100YR_6HR_89.23mm_6min           5:00       4.79853
SCS_Type_II_100YR_6HR_89.23mm_6min           5:06       4.63437
SCS_Type_II_100YR_6HR_89.23mm_6min           5:12       4.53335
SCS_Type_II_100YR_6HR_89.23mm_6min           5:18       4.45759
SCS_Type_II_100YR_6HR_89.23mm_6min           5:24       4.35656
SCS_Type_II_100YR_6HR_89.23mm_6min           5:30       4.2808
SCS_Type_II_100YR_6HR_89.23mm_6min           5:36       4.17978
SCS_Type_II_100YR_6HR_89.23mm_6min           5:42       4.10401
SCS_Type_II_100YR_6HR_89.23mm_6min           5:48       4.00299
SCS_Type_II_100YR_6HR_89.23mm_6min           5:54       3.92722

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

[TAGS]
Subcatch   CA-1            Developed
Subcatch   CA-2            Developed
Subcatch   CA-3            Developed
Subcatch   CA-4            Undeveloped
Subcatch   CA-5            Undeveloped
Subcatch   CA-6            Undeveloped
Subcatch   CA-7            Undeveloped
Subcatch   CA-8            Undeveloped
Subcatch   CA-9            Undeveloped
Subcatch   EX-1            External
Subcatch   EX-2            External
Subcatch   EX-3            External
Subcatch   EX-4            External
```

```
[MAP]
DIMENSIONS       405531.2856      4973538.49145    409373.1544      4975882.16355
UNITS            Meters

[COORDINATES]
;;Node           X-Coord            Y-Coord
;;-------------- ------------------ ------------------
J_Dummy          409188.524         4975553.026
OF-1             406202.75          4974136.759
OF-2             406558.27          4973829.244
OF-3             407547.737         4973711.917
OF-4             405839.152         4974539.302
OF-5             405705.916         4974693.25

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

[POLYGONS]
;;Subcatchment   X-Coord            Y-Coord
;;-------------- ------------------ ------------------
CA-1             406591.577         4974136.955
CA-1             406584.522         4974136.684
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EX-1	407198.36	4975076.188
EX-1	407200.581	4975074.081
EX-1	407201.92	4975071.92
EX-1	407204.075	4975070.575
EX-1	407204.903	4975068.903
EX-1	407206.865	4975067.365
EX-1	407208.375	4975064.93
EX-1	407210.097	4975064.096
EX-1	407211.211	4975060.722
EX-1	407214.58	4975059.08
EX-1	407215.925	4975056.425
EX-1	407219.311	4975052.811
EX-1	407220.425	4975050.425

EX-1	407222.581	4975049.081
EX-1	407226.081	4975045.081
EX-1	407227.575	4975042.629
EX-1	407227.7	4975041.528
EX-1	407230.37	4975039.87
EX-1	407232.924	4975035.924
EX-1	407237.547	4975030.603
EX-1	407237.431	4975028.42
EX-1	407240.603	4975026.603
EX-1	407242.87	4975024.37
EX-1	407243.925	4975021.425
EX-1	407246.789	4975019.289
EX-1	407247.539	4975016.528
EX-1	407249.193	4975015.693
EX-1	407250.752	4975012.752
EX-1	407253.87	4975010.37
EX-1	407254.57	4975009.625
EX-1	407254.672	4975008.555
EX-1	407256.08	4975008.069
EX-1	407258.226	4975005.726
EX-1	407259.027	4975004.027
EX-1	407261.597	4975001.097
EX-1	407262.113	4974999.113
EX-1	407264.033	4974996.033
EX-1	407266.37	4974995.198
EX-1	407268.635	4974992.135
EX-1	407270.198	4974991.198
EX-1	407273.402	4974985.902
EX-1	407277.097	4974982.597
EX-1	407280.216	4974977.216
EX-1	407283.251	4974974.306
EX-1	407283.431	4974972.42
EX-1	407286.076	4974970.076
EX-1	407286.802	4974968.802
EX-1	407288.805	4974967.806
EX-1	407290.302	4974963.802
EX-1	407291.699	4974963.199
EX-1	407293.43	4974960.43
EX-1	407295.042	4974959.597
EX-1	407295.511	4974958
EX-1	407299.145	4974954.316
EX-1	407299.533	4974953.022
EX-1	407302.796	4974948.796
EX-1	407304.43	4974946.93
EX-1	407306.07	4974946.07
EX-1	407306.775	4974943.275
EX-1	407310.425	4974939.425
EX-1	407311.698	4974938.698
EX-1	407312.398	4974936.898
EX-1	407315.693	4974932.193
EX-1	407318.171	4974930.226
EX-1	407318.511	4974928.501
EX-1	407320.87	4974926.87
EX-1	407321.779	4974924.779
EX-1	407323.597	4974923.097
EX-1	407324.302	4974921.302
EX-1	407325.57	4974920.57

EX-1	407328.135	4974917.135
EX-1	407330.22	4974915.72
EX-1	407332.302	4974911.302
EX-1	407334.602	4974910.102
EX-1	407339.586	4974902.597
EX-1	407341.22	4974902.165
EX-1	407341.5	4974900.5
EX-1	407338.199	4974900.311
EX-1	407337.812	4974899.87
EX-1	407338.15	4974897.839
EX-1	407335.727	4974895.784
EX-1	407335.839	4974894.338
EX-1	407337.692	4974891.865
EX-1	407337.628	4974891.316
EX-1	407334.78	4974887.72
EX-1	407334.528	4974886.027
EX-1	407336.296	4974882.522
EX-1	407335.916	4974881.689
EX-1	407337.37	4974880.87
EX-1	407341.748	4974876.248
EX-1	407345.666	4974870.403
EX-1	407343.752	4974869.248
EX-1	407342.903	4974868.107
EX-1	407342.744	4974867.188
EX-1	407343.795	4974865.522
EX-1	407341.705	4974863.478
EX-1	407343.22	4974860.108
EX-1	407342.719	4974859.28
EX-1	407340.034	4974858.467
EX-1	407339.743	4974857.188
EX-1	407340.295	4974856.022
EX-1	407338.436	4974853.37
EX-1	407340.775	4974851.275
EX-1	407342.693	4974850.693
EX-1	407344.425	4974847.425
EX-1	407346.284	4974846.784
EX-1	407347.597	4974845.598
EX-1	407347.614	4974841.114
EX-1	407350.687	4974839.37
EX-1	407349.808	4974837.875
EX-1	407350.398	4974836.897
EX-1	407353.688	4974834.871
EX-1	407355.522	4974835.466
EX-1	407359.075	4974832.575
EX-1	407360.397	4974830.397
EX-1	407364.07	4974828.07
EX-1	407365.194	4974825.694
EX-1	407368.279	4974821.79
EX-1	407367.367	4974818.812
EX-1	407369.8	4974815.972
EX-1	407369.835	4974811.28
EX-1	407371.495	4974811.006
EX-1	407374.973	4974811.472
EX-1	407377.559	4974810.613
EX-1	407378.87	4974810.698
EX-1	407379.784	4974809.784
EX-1	407380.506	4974806.732

EX-1	407383.942	4974808.886
EX-1	407385.887	4974808.387
EX-1	407386.93	4974806.93
EX-1	407389.365	4974805.865
EX-1	407396.022	4974797.022
EX-1	407402.748	4974789.748
EX-1	407409.747	4974780.747
EX-1	407412.962	4974778.473
EX-1	407414.902	4974774.902
EX-1	407421.978	4974766.978
EX-1	407426.247	4974761.247
EX-1	407432.076	4974755.576
EX-1	407435.397	4974750.397
EX-1	407440.72	4974743.73
EX-1	407440.092	4974740.091
EX-1	407441.56	4974737.505
EX-1	407442.773	4974736.5
EX-1	407441.302	4974733.629
EX-1	407442.914	4974730.914
EX-1	407444.344	4974726.844
EX-1	407445.961	4974724.973
EX-1	407445.72	4974723.78
EX-1	407443.425	4974722.575
EX-1	407442.867	4974721.688
EX-1	407443.592	4974716.897
EX-1	407441.307	4974713.693
EX-1	407439.79	4974712.721
EX-1	407437.744	4974712.301
EX-1	407439.027	4974709.527
EX-1	407441.37	4974707.37
EX-1	407442.297	4974705.808
EX-1	407443.87	4974705.698
EX-1	407445.312	4974704.812
EX-1	407447.274	4974702.774
EX-1	407451.027	4974700.199
EX-1	407452.973	4974701.027
EX-1	407454.722	4974704.779
EX-1	407459.022	4974705.467
EX-1	407460.656	4974705.156
EX-1	407462.972	4974702.972
EX-1	407464.006	4974700.561
EX-1	407465.58	4974700.069
EX-1	407466.903	4974698.404
EX-1	407473.311	4974698.256
EX-1	407476.075	4974695.575
EX-1	407477.881	4974691.437
EX-1	407477.596	4974690.403
EX-1	407476.2	4974688.972
EX-1	407476.592	4974687.592
EX-1	407478.193	4974686.693
EX-1	407480.189	4974682.189
EX-1	407482.472	4974679.972
EX-1	407483.527	4974678.038
EX-1	407485	4974678.011
EX-1	407490.006	4974680.822
EX-1	407492.064	4974680.075
EX-1	407492.414	4974676.086

EX-1	407490.586	4974671.414
EX-1	407490.011	4974666
EX-1	407490.386	4974663.559
EX-1	407489.36	4974661.812
EX-1	407489.318	4974660.694
EX-1	407489.393	4974660.221
EX-1	407491.278	4974659.779
EX-1	407491.822	4974658.994
EX-1	407491.436	4974655.925
EX-1	407494.247	4974654.747
EX-1	407496.128	4974651.807
EX-1	407490.785	4974646.727
EX-1	407488.108	4974647.38
EX-1	407486.725	4974645.775
EX-1	407483.774	4974644.226
EX-1	407482.743	4974642.812
EX-1	407482.909	4974640.581
EX-1	407482.07	4974637.93
EX-1	407477.635	4974636.365
EX-1	407475.716	4974633.784
EX-1	407474.87	4974631.63
EX-1	407473.097	4974629.903
EX-1	407470.903	4974629.097
EX-1	407467.398	4974626.102
EX-1	407465.33	4974623.397
EX-1	407467.059	4974622.124
EX-1	407468.521	4974622.795
EX-1	407469.081	4974622.569
EX-1	407469.751	4974620.694
EX-1	407465.796	4974617.704
EX-1	407465.35	4974616.715
EX-1	407468.075	4974613.576
EX-1	407468.38	4974612.564
EX-1	407466.816	4974610.855
EX-1	407465.903	4974610.542
EX-1	407465.279	4974608.221
EX-1	407463.113	4974605.887
EX-1	407462.619	4974603.064
EX-1	407463.778	4974601.289
EX-1	407463.574	4974599.925
EX-1	407459.21	4974597.845
EX-1	407456.909	4974598.909
EX-1	407454.307	4974598.693
EX-1	407453.597	4974596.903
EX-1	407450.587	4974593.914
EX-1	407450.387	4974590.113
EX-1	407448.103	4974587.397
EX-1	407445.334	4974585.722
EX-1	407441.006	4974587.322
EX-1	407440.065	4974586.436
EX-1	407439.564	4974583.925
EX-1	407432.125	4974580.864
EX-1	407411.403	4974559.597
EX-1	407410.716	4974557.339
EX-1	407410.778	4974555.211
EX-1	407406.931	4974552.57
EX-1	407406.779	4974550.167

```
EX-1             407405.602         4974548.398
EX-1             407403.726         4974546.786
EX-1             407402.774         4974546.786
EX-1             407401.221         4974548.721
EX-1             407399.779         4974549.279
EX-1             407397.403         4974551.28
EX-1             407396.472         4974552.79
EX-1             407393.226         4974549.775
EX-1             407391.721         4974549.722
EX-1             407391.092         4974550.592
EX-1             407390.575         4974553.563
EX-1             407390.022         4974553.794
EX-1             407388.785         4974552.727
EX-1             407387.802         4974552.812
EX-1             407386.495         4974556.995
EX-1             407385.312         4974558.628
EX-1             407384.897         4974558.537
EX-1             407382.575         4974554.925
EX-1             407378.425         4974552.575
EX-1             407377.226         4974550.774
EX-1             407375.731         4974549.769
EX-1             407374.135         4974549.307
EX-1             407372.978         4974550.295
EX-1             407370.775         4974549.226
EX-1             407370.308         4974548.135
EX-1             407371.881         4974546.882
EX-1             407371.784         4974545.216
EX-1             407368.431         4974542.08
EX-1             407368.381         4974539.608
EX-1             407365.807         4974537.365
EX-1             407365.859         4974536.086
EX-1             407364.721         4974534.779
EX-1             407363.575         4974531.425
EX-1             407360.79          4974529.71
EX-1             407356.215         4974528.113
EX-1             407355.698         4974527.301
EX-1             407354.302         4974526.698
EX-1             407353.097         4974524.903
EX-1             407351.302         4974524.198
EX-1             407348.28          4974520.73
EX-1             407348.403         4974519.402
EX-1             407361.097         4974504.597
EX-1             407361.467         4974503.478
EX-1             407361.097         4974501.903
EX-1             407358.603         4974498.397
EX-1             407353.902         4974493.598
EX-1             407353.189         4974491.811
EX-1             407352.972         4974475.528
EX-1             407352.597         4974474.403
EX-1             407349.705         4974471.109
EX-1             407165.956         4974692.539
EX-1             406927.158         4974980.924
EX-1             406627.029         4975344.123
......
Too many subcatchment entities (13 in total).

[SYMBOLS]
```

```
;;Gage           X-Coord            Y-Coord
;;-------------- ------------------ ------------------
```

PCSWMM Post-Development Water Quantity Model - 1:2 Year 2 Hour Chicago Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Water Quantity Model

  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                      Data       Recording
  Name                 Data Source                    Type       Interval
  ----------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ----------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600 2yr_Chicago_2h
OF-2
  CA-2                        26.09    401.46      8.00    0.8500 2yr_Chicago_2h
OF-1
  CA-3                         3.42    136.98     13.00    1.7820 2yr_Chicago_2h
OF-1
  CA-4                        49.75    284.28      0.00    2.0000 2yr_Chicago_2h
OF-2
  CA-5                        22.94    902.67      0.00    2.0000 2yr_Chicago_2h
OF-3
  CA-6                         5.07    337.85      0.00    2.0000 2yr_Chicago_2h
OF-1
  CA-7                        11.56    385.26      0.00    1.5000 2yr_Chicago_2h
OF-4
  CA-8                         1.63    108.91      0.00    1.0000 2yr_Chicago_2h
OF-5
  CA-9                         5.67    141.63      0.00    2.0000 2yr_Chicago_2h
OF-5
```

EX-1	25.12	279.07	0.00	1.0000	2yr_Chicago_2h OF-2
EX-2	15.71	241.65	0.00	1.0000	2yr_Chicago_2h OF-5
EX-3	1.20	120.37	0.00	2.0000	2yr_Chicago_2h OF-5
EX-4	1.72	143.65	0.00	1.5000	2yr_Chicago_2h OF-5

****
LID Control Summary
****

Subcatchment	LID Control	No. of Units	Unit Area	Unit Width	% Area Covered	% Imperv Treated	% Perv Treated
CA-1	LID-CA-1	1	6216.00	22.20	12.04	100.00	100.00
CA-2	LID-CA-2	1	5656.00	20.20	2.17	100.00	100.00
CA-3	LID-CA-3	1	1848.00	13.20	5.40	100.00	100.00

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670
0.8117	0.8571	0.9034	0.9511	1.0000

Hrad:

0.0282 0.0605 0.0901 0.1160 0.1383
0.1640 0.1924 0.2246 0.2593 0.2934
0.3249 0.3547 0.3763 0.3976 0.4236
0.4513 0.4804 0.5094 0.5390 0.5685
0.5965 0.6225 0.6436 0.6476 0.6408
0.6242 0.6080 0.5923 0.3098 0.3537
0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000

Width:

0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4

Area:

0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000

Hrad:

0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000

Width:

0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

```
Transect 5
Area:
            0.0006     0.0022     0.0048     0.0085     0.0130
            0.0180     0.0237     0.0300     0.0371     0.0448
            0.0529     0.0614     0.0705     0.0802     0.0904
            0.1013     0.1126     0.1244     0.1367     0.1494
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Initial LID Storage	0.019	0.111
Total Precipitation	4.962	28.344
Evaporation Loss	0.000	0.000
Infiltration Loss	4.704	26.870
Surface Runoff	0.004	0.022
LID Drainage	0.024	0.135
Final Storage	0.251	1.435
Continuity Error (%)	-0.024	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.027	0.274
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	0.027	0.274
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	28.34	0.00	0.00	23.09	2.71	0.89	1.78	0.09	0.00	0.063
CA-2	28.34	0.00	0.00	26.51	2.25	0.16	0.35	0.09	0.00	0.012
CA-3	28.34	0.00	0.00	24.81	3.52	1.08	1.54	0.05	0.00	0.054
CA-4	28.34	0.00	0.00	27.13	0.00	0.00	0.00	0.00	0.00	0.000
CA-5	28.34	0.00	0.00	27.08	0.00	0.00	0.00	0.00	0.00	0.000
CA-6	28.34	0.00	0.00	27.13	0.00	0.00	0.00	0.00	0.00	0.000
CA-7	28.34	0.00	0.00	27.18	0.00	0.05	0.05	0.01	0.00	0.002

CA-8			28.34	0.00	0.00	27.20	0.00
0.00	0.00	0.00	0.00	0.000			
CA-9			28.34	0.00	0.00	27.18	0.00
0.05	0.05	0.00	0.00	0.002			
EX-1			28.34	0.00	0.00	27.18	0.00
0.02	0.02	0.00	0.00	0.001			
EX-2			28.34	0.00	0.00	27.11	0.00
0.05	0.05	0.01	0.00	0.002			
EX-3			28.34	0.00	0.00	27.04	0.00
0.10	0.10	0.00	0.00	0.003			
EX-4			28.34	0.00	0.00	26.16	0.00
1.00	1.00	0.02	0.00	0.035			

****
LID Performance Summary
****

Subcatchment	LID Control	Total Inflow mm	Evap Loss mm	Infil Loss mm	Surface Outflow mm	Drain Outflow mm	Initial Storage mm	Final Storage mm	Continuity Error %
CA-1	LID-CA-1	35.70	0.00	0.00	0.00	14.82	14.10	35.06	-0.15
CA-2	LID-CA-2	35.75	0.00	0.00	0.00	16.03	14.10	33.89	-0.13
CA-3	LID-CA-3	48.31	0.00	0.00	0.00	28.53	14.10	34.00	-0.19

Analysis begun on: Fri Nov 6 15:44:58 2026
Analysis ended on: Fri Nov 6 15:44:58 2026
Total elapsed time: < 1 sec

PCSWMM Post-Development Water Quantity Model - 1:2 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Water Quantity Model

  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ---------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ---------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
2yr_24hr_SCS_Type_II_50.71mm OF-2
  CA-2                        26.09    401.46      8.00    0.8500
2yr_24hr_SCS_Type_II_50.71mm OF-1
  CA-3                         3.42    136.98     13.00    1.7820
2yr_24hr_SCS_Type_II_50.71mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
2yr_24hr_SCS_Type_II_50.71mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
2yr_24hr_SCS_Type_II_50.71mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
2yr_24hr_SCS_Type_II_50.71mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
2yr_24hr_SCS_Type_II_50.71mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
2yr_24hr_SCS_Type_II_50.71mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
2yr_24hr_SCS_Type_II_50.71mm OF-5
```

EX-1	25.12	279.07	0.00	1.0000	2yr_24hr_SCS_Type_II_50.71mm OF-2
EX-2	15.71	241.65	0.00	1.0000	2yr_24hr_SCS_Type_II_50.71mm OF-5
EX-3	1.20	120.37	0.00	2.0000	2yr_24hr_SCS_Type_II_50.71mm OF-5
EX-4	1.72	143.65	0.00	1.5000	2yr_24hr_SCS_Type_II_50.71mm OF-5

****
LID Control Summary
****

Subcatchment	LID Control	No. of Units	Unit Area	Unit Width	% Area Covered	% Imperv Treated	% Perv Treated
CA-1	LID-CA-1	1	6216.00	22.20	12.04	100.00	100.00
CA-2	LID-CA-2	1	5656.00	20.20	2.17	100.00	100.00
CA-3	LID-CA-3	1	1848.00	13.20	5.40	100.00	100.00

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670
0.8117	0.8571	0.9034	0.9511	1.0000

Hrad:

0.0282 0.0605 0.0901 0.1160 0.1383
0.1640 0.1924 0.2246 0.2593 0.2934
0.3249 0.3547 0.3763 0.3976 0.4236
0.4513 0.4804 0.5094 0.5390 0.5685
0.5965 0.6225 0.6436 0.6476 0.6408
0.6242 0.6080 0.5923 0.3098 0.3537
0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000

Width:

0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4

Area:

0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000

Hrad:

0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000

Width:

0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

```
Transect 5
Area:
            0.0006     0.0022     0.0048     0.0085     0.0130
            0.0180     0.0237     0.0300     0.0371     0.0448
            0.0529     0.0614     0.0705     0.0802     0.0904
            0.1013     0.1126     0.1244     0.1367     0.1494
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Initial LID Storage	0.019	0.111
Total Precipitation	8.877	50.712
Evaporation Loss	0.000	0.000
Infiltration Loss	5.904	33.727
Surface Runoff	0.741	4.232
LID Drainage	0.072	0.409
Final Storage	2.184	12.476
Continuity Error (%)	-0.044	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.810	8.096
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	0.810	8.096
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	50.71	0.00	0.00	27.57	4.80	11.50	4.25	0.22	0.01	0.084
CA-2	50.71	0.00	0.00	31.14	3.97	8.64	3.12	0.81	0.05	0.061
CA-3	50.71	0.00	0.00	29.31	6.25	12.62	5.39	0.18	0.01	0.106
CA-4	50.71	0.00	0.00	34.60	0.00	3.01	3.01	1.50	0.04	0.059
CA-5	50.71	0.00	0.00	40.76	0.00	0.39	0.39	0.09	0.01	0.008
CA-6	50.71	0.00	0.00	34.60	0.00	8.18	8.18	0.41	0.02	0.161
CA-7	50.71	0.00	0.00	32.34	0.00	9.66	9.66	1.12	0.04	0.190

```
  CA-8                      50.71       0.00       0.00      36.08       0.00
5.84       5.84        0.10     0.00   0.115
  CA-9                      50.71       0.00       0.00      32.34       0.00
9.41       9.41        0.53     0.02   0.186
  EX-1                      50.71       0.00       0.00      32.34       0.00
6.15       6.15        1.54     0.04   0.121
  EX-2                      50.71       0.00       0.00      31.72       0.00
7.83       7.83        1.23     0.03   0.154
  EX-3                      50.71       0.00       0.00      32.93       0.00
10.96      10.96        0.13     0.01   0.216
  EX-4                      50.71       0.00       0.00      29.69       0.00
14.64      14.64        0.25     0.02   0.289


  ************************
  LID Performance Summary
  ************************

  ------------------------------------------------------------------------------
----------------------------------
                                        Total      Evap     Infil   Surface
Drain    Initial     Final  Continuity
                                       Inflow      Loss      Loss   Outflow
Outflow   Storage   Storage       Error
  Subcatchment      LID Control             mm        mm        mm        mm
mm        mm        mm           %
  ------------------------------------------------------------------------------
----------------------------------
  CA-1              LID-CA-1            146.28      0.00      0.00      0.00
35.32     14.10    125.24       -0.12
  CA-2              LID-CA-2            449.11      0.00      0.00     88.57
55.21     14.10    319.45       -0.01
  CA-3              LID-CA-3            284.67      0.00      0.00      0.00
99.97     14.10    199.15       -0.12

  Analysis begun on:  Fri Nov  6 15:45:47 2026
  Analysis ended on:  Fri Nov  6 15:45:47 2026
  Total elapsed time: < 1 sec
```

PCSWMM Post-Development Water Quantity Model - 1:5 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Water Quantity Model

  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ---------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
5yr_24hr_SCS_Type_II_65.3mm OF-2
  CA-2                        26.09    401.46      8.00    0.8500
5yr_24hr_SCS_Type_II_65.3mm OF-1
  CA-3                         3.42    136.98     13.00    1.7820
5yr_24hr_SCS_Type_II_65.3mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
5yr_24hr_SCS_Type_II_65.3mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
5yr_24hr_SCS_Type_II_65.3mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
5yr_24hr_SCS_Type_II_65.3mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
5yr_24hr_SCS_Type_II_65.3mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
5yr_24hr_SCS_Type_II_65.3mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
5yr_24hr_SCS_Type_II_65.3mm OF-5
```

EX-1	25.12	279.07	0.00	1.0000
5yr_24hr_SCS_Type_II_65.3mm	OF-2			
EX-2	15.71	241.65	0.00	1.0000
5yr_24hr_SCS_Type_II_65.3mm	OF-5			
EX-3	1.20	120.37	0.00	2.0000
5yr_24hr_SCS_Type_II_65.3mm	OF-5			
EX-4	1.72	143.65	0.00	1.5000
5yr_24hr_SCS_Type_II_65.3mm	OF-5			

****
LID Control Summary
****

Subcatchment	LID Control	No. of Units	Unit Area	Unit Width	% Area Covered	% Imperv Treated	% Perv Treated
CA-1	LID-CA-1	1	6216.00	22.20	12.04	100.00	100.00
CA-2	LID-CA-2	1	5656.00	20.20	2.17	100.00	100.00
CA-3	LID-CA-3	1	1848.00	13.20	5.40	100.00	100.00

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670
0.8117	0.8571	0.9034	0.9511	1.0000

Hrad:

0.0282 0.0605 0.0901 0.1160 0.1383
0.1640 0.1924 0.2246 0.2593 0.2934
0.3249 0.3547 0.3763 0.3976 0.4236
0.4513 0.4804 0.5094 0.5390 0.5685
0.5965 0.6225 0.6436 0.6476 0.6408
0.6242 0.6080 0.5923 0.3098 0.3537
0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000

Width:

0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4

Area:

0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000

Hrad:

0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000

Width:

0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

```
Transect 5
Area:
            0.0006     0.0022     0.0048     0.0085     0.0130
            0.0180     0.0237     0.0300     0.0371     0.0448
            0.0529     0.0614     0.0705     0.0802     0.0904
            0.1013     0.1126     0.1244     0.1367     0.1494
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Initial LID Storage	0.019	0.111
Total Precipitation	11.431	65.300
Evaporation Loss	0.000	0.000
Infiltration Loss	6.974	39.842
Surface Runoff	1.780	10.168
LID Drainage	0.085	0.485
Final Storage	2.618	14.953
Continuity Error (%)	-0.056	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	1.860	18.597
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	1.860	18.597
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	65.30	0.00	0.00	32.61	6.18	18.95	5.46	0.28	0.01	0.084
CA-2	65.30	0.00	0.00	36.74	5.11	16.00	10.73	2.80	0.11	0.164
CA-3	65.30	0.00	0.00	34.76	8.04	20.61	8.12	0.28	0.01	0.124
CA-4	65.30	0.00	0.00	40.82	0.00	7.67	7.67	3.81	0.10	0.117
CA-5	65.30	0.00	0.00	49.69	0.00	4.27	4.27	0.98	0.03	0.065
CA-6	65.30	0.00	0.00	40.82	0.00	16.12	16.12	0.82	0.05	0.247
CA-7	65.30	0.00	0.00	37.71	0.00	18.16	18.16	2.10	0.10	0.278

CA-8		65.30	0.00	0.00	42.91	0.00	
12.99	12.99	0.21	0.01	0.199			
CA-9		65.30	0.00	0.00	37.71	0.00	
17.82	17.82	1.01	0.04	0.273			
EX-1		65.30	0.00	0.00	37.71	0.00	
12.96	12.96	3.25	0.09	0.198			
EX-2		65.30	0.00	0.00	36.87	0.00	
15.55	15.55	2.44	0.08	0.238			
EX-3		65.30	0.00	0.00	38.52	0.00	
19.68	19.68	0.24	0.02	0.301			
EX-4		65.30	0.00	0.00	34.16	0.00	
24.45	24.45	0.42	0.05	0.374			

****
LID Performance Summary
****

Subcatchment	LID Control	Total Inflow mm	Evap Loss mm	Infil Loss mm	Surface Outflow mm	Drain Outflow mm	Initial Storage mm	Final Storage mm	Continuity Error %
CA-1	LID-CA-1	222.72	0.00	0.00	0.00	45.37	14.10	191.63	-0.08
CA-2	LID-CA-2	803.39	0.00	0.00	431.51	63.72	14.10	322.30	-0.01
CA-3	LID-CA-3	447.31	0.00	0.00	39.00	111.49	14.10	311.03	-0.02

Analysis begun on: Fri Nov 6 15:46:29 2026
Analysis ended on: Fri Nov 6 15:46:29 2026
Total elapsed time: < 1 sec

PCSWMM Post-Development Water Quantity Model - 1:10 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Water Quantity Model

  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ----------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ----------------------------------------------------------------------------
---------------------------
  CA-1                         5.16    147.56     10.74    2.2600
10yr_24hr_SCS_Type_II_75mm OF-2
  CA-2                        26.09    401.46      8.00    0.8500
10yr_24hr_SCS_Type_II_75mm OF-1
  CA-3                         3.42    136.98     13.00    1.7820
10yr_24hr_SCS_Type_II_75mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
10yr_24hr_SCS_Type_II_75mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
10yr_24hr_SCS_Type_II_75mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-5
```

```
  EX-1                       25.12    279.07      0.00    1.0000
10yr_24hr_SCS_Type_II_75mm OF-2
  EX-2                       15.71    241.65      0.00    1.0000
10yr_24hr_SCS_Type_II_75mm OF-5
  EX-3                        1.20    120.37      0.00    2.0000
10yr_24hr_SCS_Type_II_75mm OF-5
  EX-4                        1.72    143.65      0.00    1.5000
10yr_24hr_SCS_Type_II_75mm OF-5


  ********************
  LID Control Summary
  ********************
                                    No. of        Unit        Unit      % Area    %
Imperv      % Perv
  Subcatchment     LID Control      Units        Area       Width     Covered
Treated     Treated
  ------------------------------------------------------------------------------
------------------
  CA-1             LID-CA-1             1     6216.00       22.20       12.04
100.00      100.00
  CA-2             LID-CA-2             1     5656.00       20.20        2.17
100.00      100.00
  CA-3             LID-CA-3             1     1848.00       13.20        5.40
100.00      100.00


  ************
  Node Summary
  ************
                                         Invert      Max.    Ponded    External
  Name                 Type                Elev.     Depth      Area    Inflow
  ------------------------------------------------------------------------------
  J_Dummy              JUNCTION            1.00      1.00       0.0
  OF-1                 OUTFALL           134.84      0.00       0.0
  OF-2                 OUTFALL             0.00      0.00       0.0
  OF-3                 OUTFALL           133.92      0.00       0.0
  OF-4                 OUTFALL           133.99      0.00       0.0
  OF-5                 OUTFALL           133.99      0.00       0.0


  ****************
  Transect Summary
  ****************

  Transect 3
  Area:
              0.0004     0.0014     0.0028     0.0045     0.0067
              0.0093     0.0122     0.0155     0.0191     0.0228
              0.0267     0.0309     0.0354     0.0402     0.0453
              0.0507     0.0564     0.0623     0.0685     0.0748
              0.0814     0.0883     0.0954     0.1030     0.1123
              0.1257     0.1418     0.1604     0.1864     0.2166
              0.2472     0.2782     0.3096     0.3415     0.3745
              0.4099     0.4466     0.4841     0.5219     0.5610
              0.6010     0.6416     0.6827     0.7242     0.7670
              0.8117     0.8571     0.9034     0.9511     1.0000
  Hrad:
```

0.0282 0.0605 0.0901 0.1160 0.1383
0.1640 0.1924 0.2246 0.2593 0.2934
0.3249 0.3547 0.3763 0.3976 0.4236
0.4513 0.4804 0.5094 0.5390 0.5685
0.5965 0.6225 0.6436 0.6476 0.6408
0.6242 0.6080 0.5923 0.3098 0.3537
0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000

Width:

0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4

Area:

0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000

Hrad:

0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000

Width:

0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

```
Transect 5
Area:
            0.0006     0.0022     0.0048     0.0085     0.0130
            0.0180     0.0237     0.0300     0.0371     0.0448
            0.0529     0.0614     0.0705     0.0802     0.0904
            0.1013     0.1126     0.1244     0.1367     0.1494
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Initial LID Storage	0.019	0.111
Total Precipitation	13.129	75.000
Evaporation Loss	0.000	0.000
Infiltration Loss	7.595	43.387
Surface Runoff	2.616	14.946
LID Drainage	0.091	0.518
Final Storage	2.854	16.306
Continuity Error (%)	-0.061	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	2.701	27.007
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	2.701	27.007
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	75.00	0.00	0.00	35.53	7.10	24.34	6.15	0.32	0.01	0.082
CA-2	75.00	0.00	0.00	39.97	5.88	21.52	16.43	4.29	0.18	0.219
CA-3	75.00	0.00	0.00	37.93	9.24	26.39	14.31	0.49	0.03	0.191
CA-4	75.00	0.00	0.00	44.41	0.00	11.60	11.60	5.77	0.15	0.155
CA-5	75.00	0.00	0.00	55.11	0.00	7.86	7.86	1.80	0.05	0.105
CA-6	75.00	0.00	0.00	44.41	0.00	21.98	21.98	1.11	0.08	0.293
CA-7	75.00	0.00	0.00	40.75	0.00	24.40	24.40	2.82	0.15	0.325

```
  CA-8                      75.00       0.00       0.00      46.89       0.00
18.35      18.35        0.30     0.01   0.245
  CA-9                      75.00       0.00       0.00      40.75       0.00
24.02      24.02        1.36     0.07   0.320
  EX-1                      75.00       0.00       0.00      40.75       0.00
18.27      18.27        4.59     0.14   0.244
  EX-2                      75.00       0.00       0.00      39.77       0.00
21.40      21.40        3.36     0.12   0.285
  EX-3                      75.00       0.00       0.00      41.71       0.00
26.01      26.01        0.31     0.04   0.347
  EX-4                      75.00       0.00       0.00      36.64       0.00
31.48      31.48        0.54     0.08   0.420


  ************************
  LID Performance Summary
  ************************

  ------------------------------------------------------------------------------
----------------------------------
                                      Total      Evap     Infil   Surface
Drain    Initial     Final  Continuity
                                     Inflow      Loss      Loss   Outflow
Outflow   Storage   Storage       Error
  Subcatchment      LID Control           mm        mm        mm        mm
mm        mm        mm           %
  ------------------------------------------------------------------------------
----------------------------------
  CA-1              LID-CA-1           277.24      0.00      0.00      0.00
51.10     14.10    240.34       -0.04
  CA-2              LID-CA-2          1067.75      0.00      0.00    691.60
66.44     14.10    323.85       -0.00
  CA-3              LID-CA-3           564.09      0.00      0.00    149.89
115.32     14.10    313.00       -0.00

  Analysis begun on:  Fri Nov  6 15:47:04 2026
  Analysis ended on:  Fri Nov  6 15:47:04 2026
  Total elapsed time: < 1 sec
```

PCSWMM Post-Development Water Quantity Model - 1:25 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Water Quantity Model

  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ----------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ----------------------------------------------------------------------------
---------------------------
  CA-1                         5.16    147.56     10.74    2.2600
25yr_24hr_SCS_Type_II_87.28mm OF-2
  CA-2                        26.09    401.46      8.00    0.8500
25yr_24hr_SCS_Type_II_87.28mm OF-1
  CA-3                         3.42    136.98     13.00    1.7820
25yr_24hr_SCS_Type_II_87.28mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
25yr_24hr_SCS_Type_II_87.28mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
25yr_24hr_SCS_Type_II_87.28mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
25yr_24hr_SCS_Type_II_87.28mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
25yr_24hr_SCS_Type_II_87.28mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
25yr_24hr_SCS_Type_II_87.28mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
25yr_24hr_SCS_Type_II_87.28mm OF-5
```

EX-1	25.12	279.07	0.00	1.0000	25yr_24hr_SCS_Type_II_87.28mm OF-2
EX-2	15.71	241.65	0.00	1.0000	25yr_24hr_SCS_Type_II_87.28mm OF-5
EX-3	1.20	120.37	0.00	2.0000	25yr_24hr_SCS_Type_II_87.28mm OF-5
EX-4	1.72	143.65	0.00	1.5000	25yr_24hr_SCS_Type_II_87.28mm OF-5

****
LID Control Summary
****

Subcatchment	LID Control	No. of Units	Unit Area	Unit Width	% Area Covered	% Imperv Treated	% Perv Treated
CA-1	LID-CA-1	1	6216.00	22.20	12.04	100.00	100.00
CA-2	LID-CA-2	1	5656.00	20.20	2.17	100.00	100.00
CA-3	LID-CA-3	1	1848.00	13.20	5.40	100.00	100.00

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670
0.8117	0.8571	0.9034	0.9511	1.0000

Hrad:

0.0282 0.0605 0.0901 0.1160 0.1383
0.1640 0.1924 0.2246 0.2593 0.2934
0.3249 0.3547 0.3763 0.3976 0.4236
0.4513 0.4804 0.5094 0.5390 0.5685
0.5965 0.6225 0.6436 0.6476 0.6408
0.6242 0.6080 0.5923 0.3098 0.3537
0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000

Width:

0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4

Area:

0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000

Hrad:

0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000

Width:

0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

```
Transect 5
Area:
            0.0006     0.0022     0.0048     0.0085     0.0130
            0.0180     0.0237     0.0300     0.0371     0.0448
            0.0529     0.0614     0.0705     0.0802     0.0904
            0.1013     0.1126     0.1244     0.1367     0.1494
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Initial LID Storage	0.019	0.111
Total Precipitation	15.278	87.277
Evaporation Loss	0.000	0.000
Infiltration Loss	8.295	47.388
Surface Runoff	3.788	21.637
LID Drainage	0.096	0.550
Final Storage	3.128	17.870
Continuity Error (%)	-0.066	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	3.876	38.761
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	3.876	38.761
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff 10^6 ltr	Total Runoff mm	Peak Runoff CMS	Runoff Coeff
CA-1	87.28	0.00	0.00	38.83	8.26	31.59	6.84	0.35	0.01	0.078
CA-2	87.28	0.00	0.00	43.60	6.84	29.06	24.20	6.32	0.29	0.277
CA-3	87.28	0.00	0.00	41.52	10.75	34.15	22.67	0.78	0.08	0.260
CA-4	87.28	0.00	0.00	48.44	0.00	17.35	17.35	8.63	0.23	0.199
CA-5	87.28	0.00	0.00	61.46	0.00	13.08	13.08	3.00	0.10	0.150
CA-6	87.28	0.00	0.00	48.44	0.00	29.91	29.91	1.52	0.14	0.343
CA-7	87.28	0.00	0.00	44.12	0.00	32.82	32.82	3.79	0.24	0.376

```
  CA-8                      87.28       0.00       0.00      51.41       0.00
25.69      25.69        0.42     0.03   0.294
  CA-9                      87.28       0.00       0.00      44.12       0.00
32.39      32.39        1.84     0.11   0.371
  EX-1                      87.28       0.00       0.00      44.12       0.00
25.69      25.69        6.45     0.21   0.294
  EX-2                      87.28       0.00       0.00      42.98       0.00
29.43      29.43        4.62     0.18   0.337
  EX-3                      87.28       0.00       0.00      45.24       0.00
34.54      34.54        0.42     0.07   0.396
  EX-4                      87.28       0.00       0.00      39.34       0.00
40.83      40.83        0.70     0.12   0.468


  ***********************
  LID Performance Summary
  ***********************

  ------------------------------------------------------------------------------
----------------------------------
                                        Total      Evap     Infil   Surface
Drain    Initial     Final  Continuity
                                       Inflow      Loss      Loss   Outflow
Outflow   Storage   Storage       Error
  Subcatchment      LID Control             mm        mm        mm        mm
mm        mm        mm           %
  ------------------------------------------------------------------------------
----------------------------------
  CA-1              LID-CA-1             349.71      0.00      0.00      0.00
56.86     14.10    306.96       -0.00
  CA-2              LID-CA-2            1428.10      0.00      0.00   1047.72
68.96     14.10    325.58       -0.00
  CA-3              LID-CA-3             720.06      0.00      0.00    301.56
118.55     14.10    314.07       -0.00

  Analysis begun on:  Fri Nov  6 15:47:46 2026
  Analysis ended on:  Fri Nov  6 15:47:46 2026
  Total elapsed time: < 1 sec
```

PCSWMM Post-Development Water Quantity Model - 1:50 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Water Quantity Model

  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ----------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ----------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
50yr_24hr_SCS_Type_II_96.43mm OF-2
  CA-2                        26.09    401.46      8.00    0.8500
50yr_24hr_SCS_Type_II_96.43mm OF-1
  CA-3                         3.42    136.98     13.00    1.7820
50yr_24hr_SCS_Type_II_96.43mm OF-1
  CA-4                        49.75    284.28      0.00    2.0000
50yr_24hr_SCS_Type_II_96.43mm OF-2
  CA-5                        22.94    902.67      0.00    2.0000
50yr_24hr_SCS_Type_II_96.43mm OF-3
  CA-6                         5.07    337.85      0.00    2.0000
50yr_24hr_SCS_Type_II_96.43mm OF-1
  CA-7                        11.56    385.26      0.00    1.5000
50yr_24hr_SCS_Type_II_96.43mm OF-4
  CA-8                         1.63    108.91      0.00    1.0000
50yr_24hr_SCS_Type_II_96.43mm OF-5
  CA-9                         5.67    141.63      0.00    2.0000
50yr_24hr_SCS_Type_II_96.43mm OF-5
```

EX-1	25.12	279.07	0.00	1.0000	50yr_24hr_SCS_Type_II_96.43mm OF-2
EX-2	15.71	241.65	0.00	1.0000	50yr_24hr_SCS_Type_II_96.43mm OF-5
EX-3	1.20	120.37	0.00	2.0000	50yr_24hr_SCS_Type_II_96.43mm OF-5
EX-4	1.72	143.65	0.00	1.5000	50yr_24hr_SCS_Type_II_96.43mm OF-5

****
LID Control Summary
****

Subcatchment	LID Control	No. of Units	Unit Area	Unit Width	% Area Covered	% Imperv Treated	% Perv Treated
CA-1	LID-CA-1	1	6216.00	22.20	12.04	100.00	100.00
CA-2	LID-CA-2	1	5656.00	20.20	2.17	100.00	100.00
CA-3	LID-CA-3	1	1848.00	13.20	5.40	100.00	100.00

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670
0.8117	0.8571	0.9034	0.9511	1.0000

Hrad:

0.0282 0.0605 0.0901 0.1160 0.1383
0.1640 0.1924 0.2246 0.2593 0.2934
0.3249 0.3547 0.3763 0.3976 0.4236
0.4513 0.4804 0.5094 0.5390 0.5685
0.5965 0.6225 0.6436 0.6476 0.6408
0.6242 0.6080 0.5923 0.3098 0.3537
0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000

Width:

0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4

Area:

0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000

Hrad:

0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000

Width:

0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

```
Transect 5
Area:
            0.0006     0.0022     0.0048     0.0085     0.0130
            0.0180     0.0237     0.0300     0.0371     0.0448
            0.0529     0.0614     0.0705     0.0802     0.0904
            0.1013     0.1126     0.1244     0.1367     0.1494
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Initial LID Storage	0.019	0.111
Total Precipitation	16.880	96.432
Evaporation Loss	0.000	0.000
Infiltration Loss	8.765	50.072
Surface Runoff	4.758	27.179
LID Drainage	0.099	0.568
Final Storage	3.289	18.790
Continuity Error (%)	-0.069	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	4.848	48.482
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	4.848	48.482
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	96.43	0.00	0.00	41.03	9.13	37.25	12.86	0.66	0.03	0.133
CA-2	96.43	0.00	0.00	46.02	7.56	35.02	30.34	7.92	0.39	0.315
CA-3	96.43	0.00	0.00	43.93	11.88	40.20	29.19	1.00	0.12	0.303
CA-4	96.43	0.00	0.00	51.13	0.00	22.13	22.13	11.01	0.30	0.229
CA-5	96.43	0.00	0.00	65.87	0.00	17.37	17.37	3.99	0.14	0.180
CA-6	96.43	0.00	0.00	51.13	0.00	36.15	36.15	1.83	0.19	0.375
CA-7	96.43	0.00	0.00	46.35	0.00	39.41	39.41	4.56	0.32	0.409

```
  CA-8                      96.43       0.00       0.00      54.46       0.00
31.50      31.50        0.51     0.03   0.327
  CA-9                      96.43       0.00       0.00      46.35       0.00
38.95      38.95        2.21     0.14   0.404
  EX-1                      96.43       0.00       0.00      46.35       0.00
31.63      31.63        7.94     0.28   0.328
  EX-2                      96.43       0.00       0.00      45.08       0.00
35.77      35.77        5.62     0.24   0.371
  EX-3                      96.43       0.00       0.00      47.59       0.00
41.20      41.20        0.50     0.09   0.427
  EX-4                      96.43       0.00       0.00      41.10       0.00
48.06      48.06        0.83     0.16   0.498


  ************************
  LID Performance Summary
  ************************

  ------------------------------------------------------------------------------
----------------------------------
                                      Total      Evap     Infil   Surface
Drain    Initial     Final  Continuity
                                     Inflow      Loss      Loss   Outflow
Outflow   Storage   Storage       Error
  Subcatchment      LID Control           mm        mm        mm        mm
mm        mm        mm           %
  ------------------------------------------------------------------------------
----------------------------------
  CA-1              LID-CA-1           405.90      0.00      0.00     47.15
59.71     14.10    313.16       -0.01
  CA-2              LID-CA-2          1712.33      0.00      0.00   1329.07
70.67     14.10    326.75       -0.00
  CA-3              LID-CA-3           841.45      0.00      0.00    419.97
120.91     14.10    314.69       -0.00

  Analysis begun on:  Fri Nov  6 15:48:23 2026
  Analysis ended on:  Fri Nov  6 15:48:23 2026
  Total elapsed time: < 1 sec
```

PCSWMM Post-Development Water Quantity Model - 1:100 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Water Quantity Model

  *************
  Element Count
  *************
  Number of rain gages ...... 7
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ----------------------------------------------------------------------------
  10yr_24hr_SCS_Type_II_75mm 10yr_24hr_SCS_Type_II_75mm     INTENSITY   15 min.
  25yr_24hr_SCS_Type_II_87.28mm 25yr_24hr_SCS_Type_II_87.28mm  INTENSITY   15 min.
  2yr_24hr_SCS_Type_II_50.71mm 2yr_24hr_SCS_Type_II_50.71mm   INTENSITY   15 min.
  2yr_Chicago_2h       2yr_Chicago_2h                 INTENSITY   15 min.
  50yr_24hr_SCS_Type_II_96.43mm 50yr_24hr_SCS_Type_II_96.43mm  INTENSITY   15 min.
  5yr_24hr_SCS_Type_II_65.3mm 5yr_24hr_SCS_Type_II_65.3mm    INTENSITY   15 min.
  SCS_Type_II_100YR_24HR_105.53mm_15min SCS_Type_II_100YR_24HR_105.53mm_15min
INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ----------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
SCS_Type_II_100YR_24HR_105.53mm_15min OF-2
  CA-2                        26.09    401.46      8.00    0.8500
SCS_Type_II_100YR_24HR_105.53mm_15min OF-1
  CA-3                         3.42    136.98     13.00    1.7820
SCS_Type_II_100YR_24HR_105.53mm_15min OF-1
  CA-4                        49.75    284.28      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-2
  CA-5                        22.94    902.67      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-3
  CA-6                         5.07    337.85      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-1
  CA-7                        11.56    385.26      0.00    1.5000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-4
  CA-8                         1.63    108.91      0.00    1.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
  CA-9                         5.67    141.63      0.00    2.0000
SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
```

EX-1	25.12	279.07	0.00	1.0000	SCS_Type_II_100YR_24HR_105.53mm_15min OF-2
EX-2	15.71	241.65	0.00	1.0000	SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
EX-3	1.20	120.37	0.00	2.0000	SCS_Type_II_100YR_24HR_105.53mm_15min OF-5
EX-4	1.72	143.65	0.00	1.5000	SCS_Type_II_100YR_24HR_105.53mm_15min OF-5

****
LID Control Summary
****

Subcatchment	LID Control	No. of Units	Unit Area	Unit Width	% Area Covered	% Imperv Treated	% Perv Treated
CA-1	LID-CA-1	1	6216.00	22.20	12.04	100.00	100.00
CA-2	LID-CA-2	1	5656.00	20.20	2.17	100.00	100.00
CA-3	LID-CA-3	1	1848.00	13.20	5.40	100.00	100.00

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670
0.8117	0.8571	0.9034	0.9511	1.0000

Hrad:

0.0282 0.0605 0.0901 0.1160 0.1383
0.1640 0.1924 0.2246 0.2593 0.2934
0.3249 0.3547 0.3763 0.3976 0.4236
0.4513 0.4804 0.5094 0.5390 0.5685
0.5965 0.6225 0.6436 0.6476 0.6408
0.6242 0.6080 0.5923 0.3098 0.3537
0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000

Width:

0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4

Area:

0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000

Hrad:

0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000

Width:

0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201
0.9327 0.9476 0.9645 0.9829 1.0000

```
Transect 5
Area:
            0.0006     0.0022     0.0048     0.0085     0.0130
            0.0180     0.0237     0.0300     0.0371     0.0448
            0.0529     0.0614     0.0705     0.0802     0.0904
            0.1013     0.1126     0.1244     0.1367     0.1494
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Initial LID Storage	0.019	0.111
Total Precipitation	18.473	105.531
Evaporation Loss	0.000	0.000
Infiltration Loss	9.194	52.521
Surface Runoff	5.776	32.994
LID Drainage	0.102	0.582
Final Storage	3.435	19.621
Continuity Error (%)	-0.072	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	5.867	58.673
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	5.867	58.673
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff 10^6 ltr	Total Runoff mm	Peak Runoff CMS	Runoff Coeff
CA-1	105.53	0.00	0.00	43.05	9.99	43.06	19.70	1.02	0.08	0.187
CA-2	105.53	0.00	0.00	48.23	8.27	41.19	36.68	9.57	0.51	0.348
CA-3	105.53	0.00	0.00	46.13	13.00	46.42	35.87	1.23	0.18	0.340
CA-4	105.53	0.00	0.00	53.58	0.00	27.23	27.23	13.54	0.39	0.258
CA-5	105.53	0.00	0.00	69.99	0.00	21.93	21.93	5.03	0.20	0.208
CA-6	105.53	0.00	0.00	53.58	0.00	42.59	42.59	2.16	0.26	0.404
CA-7	105.53	0.00	0.00	48.35	0.00	46.19	46.19	5.34	0.42	0.438

```
  CA-8                    105.53       0.00       0.00      57.24       0.00
37.54      37.54        0.61     0.05   0.356
  CA-9                    105.53       0.00       0.00      48.35       0.00
45.70      45.70        2.59     0.18   0.433
  EX-1                    105.53       0.00       0.00      48.35       0.00
37.82      37.82        9.50     0.35   0.358
  EX-2                    105.53       0.00       0.00      46.98       0.00
42.33      42.33        6.65     0.30   0.401
  EX-3                    105.53       0.00       0.00      49.70       0.00
48.04      48.04        0.58     0.11   0.455
  EX-4                    105.53       0.00       0.00      42.67       0.00
55.45      55.45        0.96     0.19   0.525


  ************************
  LID Performance Summary
  ************************

  ------------------------------------------------------------------------------
----------------------------------
                                      Total      Evap     Infil   Surface
Drain    Initial     Final  Continuity
                                     Inflow      Loss      Loss   Outflow
Outflow   Storage   Storage       Error
  Subcatchment      LID Control           mm        mm        mm        mm
mm        mm        mm           %
  ------------------------------------------------------------------------------
----------------------------------
  CA-1              LID-CA-1           463.33      0.00      0.00    102.15
61.50     14.10    313.80       -0.00
  CA-2              LID-CA-2          2005.98      0.00      0.00   1620.09
72.24     14.10    327.82       -0.00
  CA-3              LID-CA-3           965.85      0.00      0.00    541.62
123.12     14.10    315.22       -0.00

  Analysis begun on:  Fri Nov  6 15:49:00 2026
  Analysis ended on:  Fri Nov  6 15:49:00 2026
  Total elapsed time: < 1 sec
```

PCSWMM Post-Development Climate Change Model Input File

```
[TITLE]
;;Project Title/Notes
Climate Change Model

[OPTIONS]
;;Option             Value
FLOW_UNITS           CMS
INFILTRATION         HORTON
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         DEPTH
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           07/15/2026
START_TIME           00:00:00
REPORT_START_DATE    07/15/2026
REPORT_START_TIME    00:00:00
END_DATE             07/16/2026
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:01:00
WET_STEP             00:05:00
DRY_STEP             00:05:00
ROUTING_STEP         5
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              16

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

[RAINGAGES]
;;Name           Format    Interval SCF      Source
;;-------------- --------- -------- -------- ----------
100yr_24hr_SCS_Type_II_129.74mm_CC INTENSITY 0:15     1.0      TIMESERIES
100yr_24hr_SCS_Type_II_129.74mm_CC
10yr_24hr_SCS_Type_II_91.02mm_CC INTENSITY 0:15     1.0      TIMESERIES
10yr_24hr_SCS_Type_II_91.02mm_CC
25yr_24hr_SCS_Type_II_105.54mm_CC INTENSITY 0:15     1.0      TIMESERIES
25yr_24hr_SCS_Type_II_105.54mm_CC
2yr_24hr_SCS_Type_II_60.57mm_CC INTENSITY 0:15     1.0      TIMESERIES 2yr_24hr_SCS
```

```
50yr_24hr_SCS_Type_II_116.84mm_CC INTENSITY 0:15     1.0      TIMESERIES
50yr_24hr_SCS_Type_II_116.84mm_CC
5yr_24hr_SCS_Type_II_79.3mm_CC INTENSITY 0:15     1.0      TIMESERIES
5yr_24hr_SCS_Type_II_79.3mm_CC

[SUBCATCHMENTS]
;;Name           Rain Gage        Outlet           Area     %Imperv  Width    %
Slope   CurbLen  SnowPack
;;-------------- ---------------- ---------------- -------- -------- -------- -----
--- -------- ----------------
CA-1             2yr_24hr_SCS_Type_II_60.57mm_CC OF-2 5.1645 10.745  147.557  2.26
0
CA-2             2yr_24hr_SCS_Type_II_60.57mm_CC OF-1 26.0948 8      401.458  0.85
0
CA-3             2yr_24hr_SCS_Type_II_60.57mm_CC OF-1 3.4246 13      136.984  1.782
0
CA-4             2yr_24hr_SCS_Type_II_60.57mm_CC OF-2 49.7485 0      284.277  2
0
CA-5             2yr_24hr_SCS_Type_II_60.57mm_CC OF-3 22.9413 0      902.668  2
0
CA-6             2yr_24hr_SCS_Type_II_60.57mm_CC OF-1 5.0678 0       337.853  2
0
CA-7             2yr_24hr_SCS_Type_II_60.57mm_CC OF-4 11.5578 0      385.26   1.5
0
CA-8             2yr_24hr_SCS_Type_II_60.57mm_CC OF-5 1.6337 0       108.913  1
0
CA-9             2yr_24hr_SCS_Type_II_60.57mm_CC OF-5 5.6654 0       141.635  2
0
EX-1             2yr_24hr_SCS_Type_II_60.57mm_CC OF-2 25.1164 0      279.071  1
0
EX-2             2yr_24hr_SCS_Type_II_60.57mm_CC OF-5 15.7074 0      241.652  1
0
EX-3             2yr_24hr_SCS_Type_II_60.57mm_CC OF-5 1.2037 0       120.37   2
0
EX-4             2yr_24hr_SCS_Type_II_60.57mm_CC OF-5 1.7238 0       143.65   1.5
0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo
PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ----------
----------
CA-1             0.011      0.15       2          5          100        PERVIOUS
100
CA-2             0.011      0.182      2          5.328      100        PERVIOUS
100
CA-3             0.011      0.176      2          5.278      100        PERVIOUS
100
CA-4             0.011      0.249      2          6.025      0          OUTLET
CA-5             0.011      0.4        2          8          0          OUTLET
CA-6             0.011      0.254      2          6.101      0          OUTLET
CA-7             0.011      0.215      2          5.584      0          OUTLET
CA-8             0.011      0.28       2          6.43       0          OUTLET
CA-9             0.011      0.212      2          5.534      0          OUTLET
EX-1             0.011      0.205      2          5.454      0          OUTLET
EX-2             0.011      0.202      2          5.349      0          OUTLET
EX-3             0.011      0.216      2          5.521      0          OUTLET
EX-4             0.011      0.169      2          4.916      0          OUTLET
```

```
[INFILTRATION]
;;Subcatchment   Param1     Param2     Param3     Param4     Param5
;;-------------- ---------- ---------- ---------- ---------- ----------
CA-1             69         0.5        7          0          0
CURVE_NUMBER
CA-2             70         0.5        7          0          0
CURVE_NUMBER
CA-3             68         0.5        7          0          0
CURVE_NUMBER
CA-4             70         0.5        7          0          0
CURVE_NUMBER
CA-5             55         0.5        7          0          0
CURVE_NUMBER
CA-6             70         0.5        7          0          0
CURVE_NUMBER
CA-7             74         0.5        7          0          0
CURVE_NUMBER
CA-8             67         0.5        7          0          0
CURVE_NUMBER
CA-9             74         0.5        7          0          0
CURVE_NUMBER
EX-1             74         0.5        7          0          0
CURVE_NUMBER
EX-2             75         0.5        7          0          0
CURVE_NUMBER
EX-3             73         0.5        7          0          0
CURVE_NUMBER
EX-4             78         0.5        7          0          0
CURVE_NUMBER

[LID_CONTROLS]
;;Name           Type/Layer Parameters
;;-------------- ---------- ----------
LID-CA-1         BC
LID-CA-1         SURFACE    200        0.1        0.04       2          5
LID-CA-1         SOIL       300        0.437      0.105      0.047      10.26
8          60.96
LID-CA-1         STORAGE    200        0.1        0          0          NO
LID-CA-1         DRAIN      4.47       0.5        0          6          0
0

LID-CA-2         BC
LID-CA-2         SURFACE    200        0.1        0.04       2          5
LID-CA-2         SOIL       300        0.437      0.105      0.047      10.26
8          60.96
LID-CA-2         STORAGE    200        0.1        0          0          NO
LID-CA-2         DRAIN      4.47       0.6        0          6          0
0

LID-CA-3         BC
LID-CA-3         SURFACE    200        0.1        0.04       2          5
LID-CA-3         SOIL       300        0.437      0.105      0.047      10.26
8          60.96
LID-CA-3         STORAGE    200        0.1        0          0          NO
LID-CA-3         DRAIN      8.93       0.6        0          6          0
0

[LID_USAGE]
;;Subcatchment   LID Process      Number  Area       Width      InitSat    FromImp
ToPerv     RptFile                  DrainTo          FromPerv
```

```
;;-------------- ---------------- ------- ---------- ---------- ---------- --------
-- ---------- ----------------------- ---------------- ----------
CA-1             LID-CA-1         1       4256       15.2       0          100
0          *                       *                100
CA-2             LID-CA-2         1       4256       15.2       0          100
0          *                       *                100
CA-3             LID-CA-3         1       2128       15.2       0          100
0          *                       *                100

[JUNCTIONS]
;;Name           Elevation  MaxDepth   InitDepth  SurDepth   Aponded
;;-------------- ---------- ---------- ---------- ---------- ----------
J_Dummy          1          1          0          0          0

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated    Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
OF-1             134.84     FREE                        NO
OF-2             0          FREE                        NO
OF-3             133.92     FREE                        NO
OF-4             133.99     FREE                        NO
OF-5             133.99     FREE                        NO

[TRANSECTS]
;;Transect Data in HEC-2 format
;
;Transect created from transect line: 12
NC 0.01     0.01     0.01
X1 3                175      0        0        0.0      0.0      0.0      0.0
0.0
GR 299.998  0        300      1        300.004  5        300.003  6        299.991
7
GR 299.971  8        299.945  9        299.915  10       299.893  11       299.88
12
GR 299.87   13       299.865  14       299.836  16       299.817  17       299.796
18
GR 299.773  19       299.752  20       299.729  21       299.701  22       299.672
23
GR 299.642  24       299.617  25       299.589  26       299.563  27       299.539
28
GR 299.519  29       299.506  30       299.504  31       299.506  32       299.504
33
GR 299.5    34       299.497  35       299.49   36       299.478  37       299.451
38
GR 299.407  39       299.359  40       299.307  41       299.259  42       299.221
43
GR 299.179  44       299.146  45       299.076  47       299.019  49       299.004
50
GR 299      51       298.998  52       298.987  53       298.96   54       298.913
55
GR 298.861  56       298.819  57       298.779  58       298.744  59       298.721
60
GR 298.699  61       298.682  62       298.661  63       298.646  64       298.633
65
GR 298.628  66       298.628  67       298.633  69       298.627  70       298.608
72
GR 298.594  73       298.559  75       298.522  77       298.507  78       298.491
79
GR 298.466  80       298.42   81       298.367  82       298.302  83       298.246
84
```

```
GR 298.184  85      298.138  86      298.096  87      298.052  88      298.016
89
GR 297.989  90      297.977  91      297.993  92      298.003  93      297.977
94
GR 297.899  95      297.805  96      297.688  97      297.568  98      297.423
99
GR 297.233  100     297.003  101     296.799  102     296.626  103     296.432
104
GR 296.234  105     296.062  106     295.955  107     295.881  108     295.811
109
GR 295.752  110     295.683  111     295.6    112     295.494  113     295.399
114
GR 295.341  115     295.375  116     295.439  117     295.582  118     295.787
119
GR 296.029  120     296.301  121     296.478  122     296.568  123     296.666
124
GR 296.817  125     296.981  126     297.15   127     297.324  128     297.473
129
GR 297.54   130     297.642  132     297.71   133     297.785  134     297.867
135
GR 297.953  136     297.993  137     298.003  138     297.992  139     297.983
140
GR 297.983  141     297.992  142     298      143     297.997  144     297.985
145
GR 297.978  146     297.983  147     297.983  148     297.976  149     297.911
150
GR 297.902  151     297.91   152     297.917  153     297.932  154     297.95
155
GR 297.97   156     297.984  157     297.994  158     297.999  159     298.001
164
GR 298      165     297.994  168     297.997  171     297.996  172     297.984
173
GR 297.968  174     297.95   175     297.93   176     297.914  177     297.899
178
GR 297.888  179     297.878  180     297.865  181     297.85   182     297.817
184
GR 297.788  186     297.777  187     297.758  189     297.75   190     297.741
191
GR 297.658  202     297.653  203     297.646  204     297.629  208     297.611
213.572024439975
;
;Transect created from transect line: 13
NC 0.01     0.01     0.01
X1 4                192      0       0       0.0      0.0      0.0      0.0
0.0
GR 299.78   0       299.735  1       299.64   3       299.588  4       299.544
5
GR 299.508  6       299.498  7       299.5    8       299.5    9       299.488
10
GR 299.456  11      299.426  12      299.405  13      299.37   15      299.327
17
GR 299.268  19      299.237  20      299.205  21      299.176  22      299.145
23
GR 299.118  24      299.09   25      298.987  29      298.956  30      298.924
31
GR 298.845  33      298.799  34      298.751  35      298.712  36      298.671
37
GR 298.646  38      298.618  39      298.603  40      298.584  41      298.54
43
GR 298.51   44      298.47   45      298.371  46      298.233  47      298.07
```

GR 297.923 49 297.79 50 297.656 51 297.518 52 297.364
53
GR 297.203 54 297.034 55 296.862 56 296.658 57 296.478
58
GR 296.017 60 295.782 61 295.521 62 295.288 63 295.042
64
GR 294.814 65 294.639 66 294.494 67 294.422 68 294.402
69
GR 294.316 70 294.236 71 294.194 72 294.128 73 294.07
74
GR 293.979 75 293.861 76 293.747 77 293.598 78 293.465
79
GR 293.354 80 293.229 81 293.121 82 292.977 83 292.786
84
GR 292.589 85 292.336 86 292.065 87 291.834 88 291.544
89
GR 291.331 90 291.206 91 291.058 92 290.898 93 290.652
94
GR 290.369 95 290.128 96 289.922 97 289.758 98 289.607
99
GR 289.492 100 289.428 101 289.371 102 289.335 103 289.376
104
GR 289.467 105 289.565 106 289.64 107 289.696 108 289.723
109
GR 289.731 110 289.727 111 289.72 112 289.731 113 289.764
114
GR 289.808 115 289.901 116 290.018 117 290.222 118 290.508
119
GR 290.791 120 291.162 121 291.577 122 291.955 123 292.323
124
GR 292.675 125 293.064 126 293.507 127 293.879 128 294.31
129
GR 294.68 130 295.078 131 295.487 132 295.853 133 296.729
135
GR 297.024 136 297.225 137 297.307 138 297.31 139 297.301
140
GR 297.294 141 297.344 142 297.353 143 297.375 145 297.346
146
GR 297.338 147 297.365 148 297.322 149 297.29 150 297.252
151
GR 297.236 152 297.206 153 297.175 154 297.192 155 297.203
156
GR 297.268 157 297.38 158 297.486 159 297.633 160 297.817
161
GR 297.97 162 298.144 163 298.315 164 298.533 165 298.813
166
GR 298.996 167 299.069 168 299.061 169 299.029 170 299
171
GR 299.018 172 299.116 173 299.26 174 299.387 175 299.509
176
GR 299.641 177 299.811 178 299.962 179 300.04 180 300.088
181
GR 300.167 182 300.341 184 300.419 185 300.481 186 300.558
187
GR 300.655 188 300.748 189 300.853 190 300.935 191 301.021
192
GR 301.104 193 301.17 194 301.25 195 301.326 196 301.389
197
GR 301.461 198 301.52 199 301.588 200 301.662 201 301.732
202

```
GR 301.804  203      301.869  203.889727129499
;
;Transect created from transect line: 14
NC 0.01     0.01     0.01
X1 5                202      0        0        0.0      0.0      0.0      0.0
0.0
GR 297.219  0        297.142  1        297.063  2        296.928  4        296.851
5
GR 296.762  6        296.675  7        296.595  8        296.539  9        296.487
10
GR 296.4    11       296.3    12       296.191  13       296.068  14       295.932
15
GR 295.793  16       295.628  17       295.503  18       295.401  19       295.286
20
GR 295.158  21       295.016  22       294.868  23       294.734  24       294.58
25
GR 294.472  26       294.379  27       294.301  28       294.226  29       294.083
31
GR 294.014  32       293.921  33       293.809  34       293.66   35       293.458
36
GR 293.206  37       292.969  38       292.81   39       292.7    40       292.555
41
GR 292.415  42       292.173  43       291.829  44       291.455  45       291.117
46
GR 290.801  47       290.497  48       290.103  49       289.672  50       289.236
51
GR 288.83   52       288.463  53       288.136  54       287.877  55       287.695
56
GR 287.507  57       287.339  58       287.164  59       286.979  60       286.754
61
GR 286.539  62       286.364  63       286.226  64       286.082  65       285.959
66
GR 285.851  67       285.753  68       285.649  69       285.526  70       285.333
71
GR 285.115  72       284.972  73       284.869  74       284.79   75       284.717
76
GR 284.652  77       284.588  78       284.521  79       284.452  80       284.381
81
GR 284.296  82       284.214  83       284.13   84       284.039  85       283.945
86
GR 283.876  87       283.959  88       284.127  89       284.364  90       284.576
91
GR 284.793  92       285.003  93       285.233  94       285.48   95       285.733
96
GR 285.969  97       286.258  98       286.58   99       286.92   100      287.215
101
GR 287.433  102      287.613  103      287.798  104      287.976  105      288.187
106
GR 288.401  107      288.576  108      288.754  109      288.927  110      289.074
111
GR 289.379  113      289.534  114      289.719  115      289.891  116      290.028
117
GR 290.138  118      290.243  119      290.341  120      290.465  121      290.632
122
GR 290.817  123      290.973  124      291.083  125      291.164  126      291.229
127
GR 291.289  128      291.347  129      291.466  131      291.506  132      291.566
134
GR 291.631  135      291.72   136      291.851  137      291.977  138      292.003
139
```

```
GR 291.959  140      291.892  141      291.86   142      291.87   143      291.909
144
GR 291.946  145      291.995  146      292.047  147      292.104  148      292.159
149
GR 292.206  150      292.244  151      292.275  152      292.302  153      292.331
154
GR 292.37   155      292.426  156      292.494  157      292.564  158      292.632
159
GR 292.698  160      292.82   162      292.864  163      292.901  164      292.93
165
GR 292.965  166      292.998  167      293.046  168      293.118  169      293.223
170
GR 293.298  171      293.361  172      293.412  173      293.483  174      293.544
175
GR 293.616  176      293.709  177      293.827  178      294.01   180      294.126
181
GR 294.21   182      294.274  183      294.325  184      294.384  185      294.429
186
GR 294.482  187      294.534  188      294.605  189      294.643  190      294.678
191
GR 294.727  192      294.8    193      294.838  194      294.883  195      294.999
197
GR 295.03   198      295.071  199      295.156  200      295.198  201      295.241
203
GR 295.29   204      295.351  205      295.391  206      295.414  207      295.465
208
GR 295.505  209      295.543  209.75527624512

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;SCS_Type II_129.74mm design storm, total rainfall = 129.74 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
100yr_24hr_SCS_Type_II_129.74mm_CC            0:00       1.427
100yr_24hr_SCS_Type_II_129.74mm_CC            0:15       1.427
100yr_24hr_SCS_Type_II_129.74mm_CC            0:30       1.427
100yr_24hr_SCS_Type_II_129.74mm_CC            0:45       1.427
100yr_24hr_SCS_Type_II_129.74mm_CC            1:00       1.427
100yr_24hr_SCS_Type_II_129.74mm_CC            1:15       1.427
100yr_24hr_SCS_Type_II_129.74mm_CC            1:30       1.427
100yr_24hr_SCS_Type_II_129.74mm_CC            1:45       1.427
100yr_24hr_SCS_Type_II_129.74mm_CC            2:00       1.687
100yr_24hr_SCS_Type_II_129.74mm_CC            2:15       1.687
100yr_24hr_SCS_Type_II_129.74mm_CC            2:30       1.687
100yr_24hr_SCS_Type_II_129.74mm_CC            2:45       1.687
100yr_24hr_SCS_Type_II_129.74mm_CC            3:00       1.687
100yr_24hr_SCS_Type_II_129.74mm_CC            3:15       1.687
100yr_24hr_SCS_Type_II_129.74mm_CC            3:30       1.687
100yr_24hr_SCS_Type_II_129.74mm_CC            3:45       1.687
100yr_24hr_SCS_Type_II_129.74mm_CC            4:00       2.076
100yr_24hr_SCS_Type_II_129.74mm_CC            4:15       2.076
100yr_24hr_SCS_Type_II_129.74mm_CC            4:30       2.076
100yr_24hr_SCS_Type_II_129.74mm_CC            4:45       2.076
100yr_24hr_SCS_Type_II_129.74mm_CC            5:00       2.076
100yr_24hr_SCS_Type_II_129.74mm_CC            5:15       2.076
100yr_24hr_SCS_Type_II_129.74mm_CC            5:30       2.076
100yr_24hr_SCS_Type_II_129.74mm_CC            5:45       2.076
100yr_24hr_SCS_Type_II_129.74mm_CC            6:00       2.335
```

100yr_24hr_SCS_Type_II_129.74mm_CC	6:15	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	6:30	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	6:45	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	7:00	2.854
100yr_24hr_SCS_Type_II_129.74mm_CC	7:15	2.854
100yr_24hr_SCS_Type_II_129.74mm_CC	7:30	2.854
100yr_24hr_SCS_Type_II_129.74mm_CC	7:45	2.854
100yr_24hr_SCS_Type_II_129.74mm_CC	8:00	3.373
100yr_24hr_SCS_Type_II_129.74mm_CC	8:15	3.373
100yr_24hr_SCS_Type_II_129.74mm_CC	8:30	3.633
100yr_24hr_SCS_Type_II_129.74mm_CC	8:45	3.633
100yr_24hr_SCS_Type_II_129.74mm_CC	9:00	4.152
100yr_24hr_SCS_Type_II_129.74mm_CC	9:15	4.152
100yr_24hr_SCS_Type_II_129.74mm_CC	9:30	4.671
100yr_24hr_SCS_Type_II_129.74mm_CC	9:45	4.671
100yr_24hr_SCS_Type_II_129.74mm_CC	10:00	5.968
100yr_24hr_SCS_Type_II_129.74mm_CC	10:15	5.968
100yr_24hr_SCS_Type_II_129.74mm_CC	10:30	8.044
100yr_24hr_SCS_Type_II_129.74mm_CC	10:45	8.044
100yr_24hr_SCS_Type_II_129.74mm_CC	11:00	12.455
100yr_24hr_SCS_Type_II_129.74mm_CC	11:15	12.455
100yr_24hr_SCS_Type_II_129.74mm_CC	11:30	38.403
100yr_24hr_SCS_Type_II_129.74mm_CC	11:45	158.802
100yr_24hr_SCS_Type_II_129.74mm_CC	12:00	18.683
100yr_24hr_SCS_Type_II_129.74mm_CC	12:15	18.683
100yr_24hr_SCS_Type_II_129.74mm_CC	12:30	9.601
100yr_24hr_SCS_Type_II_129.74mm_CC	12:45	9.601
100yr_24hr_SCS_Type_II_129.74mm_CC	13:00	7.006
100yr_24hr_SCS_Type_II_129.74mm_CC	13:15	7.006
100yr_24hr_SCS_Type_II_129.74mm_CC	13:30	5.449
100yr_24hr_SCS_Type_II_129.74mm_CC	13:45	5.449
100yr_24hr_SCS_Type_II_129.74mm_CC	14:00	3.892
100yr_24hr_SCS_Type_II_129.74mm_CC	14:15	3.892
100yr_24hr_SCS_Type_II_129.74mm_CC	14:30	3.892
100yr_24hr_SCS_Type_II_129.74mm_CC	14:45	3.892
100yr_24hr_SCS_Type_II_129.74mm_CC	15:00	3.892
100yr_24hr_SCS_Type_II_129.74mm_CC	15:15	3.892
100yr_24hr_SCS_Type_II_129.74mm_CC	15:30	3.892
100yr_24hr_SCS_Type_II_129.74mm_CC	15:45	3.892
100yr_24hr_SCS_Type_II_129.74mm_CC	16:00	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	16:15	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	16:30	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	16:45	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	17:00	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	17:15	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	17:30	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	17:45	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	18:00	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	18:15	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	18:30	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	18:45	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	19:00	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	19:15	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	19:30	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	19:45	2.335
100yr_24hr_SCS_Type_II_129.74mm_CC	20:00	1.557
100yr_24hr_SCS_Type_II_129.74mm_CC	20:15	1.557

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100yr_24hr_SCS_Type_II_129.74mm_CC            20:30      1.557
100yr_24hr_SCS_Type_II_129.74mm_CC            20:45      1.557
100yr_24hr_SCS_Type_II_129.74mm_CC            21:00      1.557
100yr_24hr_SCS_Type_II_129.74mm_CC            21:15      1.557
100yr_24hr_SCS_Type_II_129.74mm_CC            21:30      1.557
100yr_24hr_SCS_Type_II_129.74mm_CC            21:45      1.557
100yr_24hr_SCS_Type_II_129.74mm_CC            22:00      1.557
100yr_24hr_SCS_Type_II_129.74mm_CC            22:15      1.557
100yr_24hr_SCS_Type_II_129.74mm_CC            22:30      1.557
100yr_24hr_SCS_Type_II_129.74mm_CC            22:45      1.557
100yr_24hr_SCS_Type_II_129.74mm_CC            23:00      1.557
100yr_24hr_SCS_Type_II_129.74mm_CC            23:15      1.557
100yr_24hr_SCS_Type_II_129.74mm_CC            23:30      1.557
100yr_24hr_SCS_Type_II_129.74mm_CC            23:45      1.557

;SCS_Type II_91.02mm design storm, total rainfall = 91.02 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
10yr_24hr_SCS_Type_II_91.02mm_CC              0:00       1.001
10yr_24hr_SCS_Type_II_91.02mm_CC              0:15       1.001
10yr_24hr_SCS_Type_II_91.02mm_CC              0:30       1.001
10yr_24hr_SCS_Type_II_91.02mm_CC              0:45       1.001
10yr_24hr_SCS_Type_II_91.02mm_CC              1:00       1.001
10yr_24hr_SCS_Type_II_91.02mm_CC              1:15       1.001
10yr_24hr_SCS_Type_II_91.02mm_CC              1:30       1.001
10yr_24hr_SCS_Type_II_91.02mm_CC              1:45       1.001
10yr_24hr_SCS_Type_II_91.02mm_CC              2:00       1.183
10yr_24hr_SCS_Type_II_91.02mm_CC              2:15       1.183
10yr_24hr_SCS_Type_II_91.02mm_CC              2:30       1.183
10yr_24hr_SCS_Type_II_91.02mm_CC              2:45       1.183
10yr_24hr_SCS_Type_II_91.02mm_CC              3:00       1.183
10yr_24hr_SCS_Type_II_91.02mm_CC              3:15       1.183
10yr_24hr_SCS_Type_II_91.02mm_CC              3:30       1.183
10yr_24hr_SCS_Type_II_91.02mm_CC              3:45       1.183
10yr_24hr_SCS_Type_II_91.02mm_CC              4:00       1.456
10yr_24hr_SCS_Type_II_91.02mm_CC              4:15       1.456
10yr_24hr_SCS_Type_II_91.02mm_CC              4:30       1.456
10yr_24hr_SCS_Type_II_91.02mm_CC              4:45       1.456
10yr_24hr_SCS_Type_II_91.02mm_CC              5:00       1.456
10yr_24hr_SCS_Type_II_91.02mm_CC              5:15       1.456
10yr_24hr_SCS_Type_II_91.02mm_CC              5:30       1.456
10yr_24hr_SCS_Type_II_91.02mm_CC              5:45       1.456
10yr_24hr_SCS_Type_II_91.02mm_CC              6:00       1.638
10yr_24hr_SCS_Type_II_91.02mm_CC              6:15       1.638
10yr_24hr_SCS_Type_II_91.02mm_CC              6:30       1.638
10yr_24hr_SCS_Type_II_91.02mm_CC              6:45       1.638
10yr_24hr_SCS_Type_II_91.02mm_CC              7:00       2.002
10yr_24hr_SCS_Type_II_91.02mm_CC              7:15       2.002
10yr_24hr_SCS_Type_II_91.02mm_CC              7:30       2.002
10yr_24hr_SCS_Type_II_91.02mm_CC              7:45       2.002
10yr_24hr_SCS_Type_II_91.02mm_CC              8:00       2.367
10yr_24hr_SCS_Type_II_91.02mm_CC              8:15       2.367
10yr_24hr_SCS_Type_II_91.02mm_CC              8:30       2.549
10yr_24hr_SCS_Type_II_91.02mm_CC              8:45       2.549
10yr_24hr_SCS_Type_II_91.02mm_CC              9:00       2.913
10yr_24hr_SCS_Type_II_91.02mm_CC              9:15       2.913
10yr_24hr_SCS_Type_II_91.02mm_CC              9:30       3.277
10yr_24hr_SCS_Type_II_91.02mm_CC              9:45       3.277
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10yr_24hr_SCS_Type_II_91.02mm_CC	10:00	4.187
10yr_24hr_SCS_Type_II_91.02mm_CC	10:15	4.187
10yr_24hr_SCS_Type_II_91.02mm_CC	10:30	5.643
10yr_24hr_SCS_Type_II_91.02mm_CC	10:45	5.643
10yr_24hr_SCS_Type_II_91.02mm_CC	11:00	8.738
10yr_24hr_SCS_Type_II_91.02mm_CC	11:15	8.738
10yr_24hr_SCS_Type_II_91.02mm_CC	11:30	26.942
10yr_24hr_SCS_Type_II_91.02mm_CC	11:45	111.408
10yr_24hr_SCS_Type_II_91.02mm_CC	12:00	13.107
10yr_24hr_SCS_Type_II_91.02mm_CC	12:15	13.107
10yr_24hr_SCS_Type_II_91.02mm_CC	12:30	6.735
10yr_24hr_SCS_Type_II_91.02mm_CC	12:45	6.735
10yr_24hr_SCS_Type_II_91.02mm_CC	13:00	4.915
10yr_24hr_SCS_Type_II_91.02mm_CC	13:15	4.915
10yr_24hr_SCS_Type_II_91.02mm_CC	13:30	3.823
10yr_24hr_SCS_Type_II_91.02mm_CC	13:45	3.823
10yr_24hr_SCS_Type_II_91.02mm_CC	14:00	2.731
10yr_24hr_SCS_Type_II_91.02mm_CC	14:15	2.731
10yr_24hr_SCS_Type_II_91.02mm_CC	14:30	2.731
10yr_24hr_SCS_Type_II_91.02mm_CC	14:45	2.731
10yr_24hr_SCS_Type_II_91.02mm_CC	15:00	2.731
10yr_24hr_SCS_Type_II_91.02mm_CC	15:15	2.731
10yr_24hr_SCS_Type_II_91.02mm_CC	15:30	2.731
10yr_24hr_SCS_Type_II_91.02mm_CC	15:45	2.731
10yr_24hr_SCS_Type_II_91.02mm_CC	16:00	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	16:15	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	16:30	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	16:45	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	17:00	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	17:15	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	17:30	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	17:45	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	18:00	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	18:15	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	18:30	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	18:45	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	19:00	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	19:15	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	19:30	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	19:45	1.638
10yr_24hr_SCS_Type_II_91.02mm_CC	20:00	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	20:15	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	20:30	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	20:45	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	21:00	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	21:15	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	21:30	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	21:45	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	22:00	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	22:15	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	22:30	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	22:45	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	23:00	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	23:15	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	23:30	1.092
10yr_24hr_SCS_Type_II_91.02mm_CC	23:45	1.092

;SCS_Type II_105.54mm design storm, total rainfall = 105.54 mm, rain interval = 15 minutes, rain units = mm/hr., rain units = mm/hr.

25yr_24hr_SCS_Type_II_105.54mm_CC	0:00	1.161
25yr_24hr_SCS_Type_II_105.54mm_CC	0:15	1.161
25yr_24hr_SCS_Type_II_105.54mm_CC	0:30	1.161
25yr_24hr_SCS_Type_II_105.54mm_CC	0:45	1.161
25yr_24hr_SCS_Type_II_105.54mm_CC	1:00	1.161
25yr_24hr_SCS_Type_II_105.54mm_CC	1:15	1.161
25yr_24hr_SCS_Type_II_105.54mm_CC	1:30	1.161
25yr_24hr_SCS_Type_II_105.54mm_CC	1:45	1.161
25yr_24hr_SCS_Type_II_105.54mm_CC	2:00	1.372
25yr_24hr_SCS_Type_II_105.54mm_CC	2:15	1.372
25yr_24hr_SCS_Type_II_105.54mm_CC	2:30	1.372
25yr_24hr_SCS_Type_II_105.54mm_CC	2:45	1.372
25yr_24hr_SCS_Type_II_105.54mm_CC	3:00	1.372
25yr_24hr_SCS_Type_II_105.54mm_CC	3:15	1.372
25yr_24hr_SCS_Type_II_105.54mm_CC	3:30	1.372
25yr_24hr_SCS_Type_II_105.54mm_CC	3:45	1.372
25yr_24hr_SCS_Type_II_105.54mm_CC	4:00	1.689
25yr_24hr_SCS_Type_II_105.54mm_CC	4:15	1.689
25yr_24hr_SCS_Type_II_105.54mm_CC	4:30	1.689
25yr_24hr_SCS_Type_II_105.54mm_CC	4:45	1.689
25yr_24hr_SCS_Type_II_105.54mm_CC	5:00	1.689
25yr_24hr_SCS_Type_II_105.54mm_CC	5:15	1.689
25yr_24hr_SCS_Type_II_105.54mm_CC	5:30	1.689
25yr_24hr_SCS_Type_II_105.54mm_CC	5:45	1.689
25yr_24hr_SCS_Type_II_105.54mm_CC	6:00	1.9
25yr_24hr_SCS_Type_II_105.54mm_CC	6:15	1.9
25yr_24hr_SCS_Type_II_105.54mm_CC	6:30	1.9
25yr_24hr_SCS_Type_II_105.54mm_CC	6:45	1.9
25yr_24hr_SCS_Type_II_105.54mm_CC	7:00	2.322
25yr_24hr_SCS_Type_II_105.54mm_CC	7:15	2.322
25yr_24hr_SCS_Type_II_105.54mm_CC	7:30	2.322
25yr_24hr_SCS_Type_II_105.54mm_CC	7:45	2.322
25yr_24hr_SCS_Type_II_105.54mm_CC	8:00	2.744
25yr_24hr_SCS_Type_II_105.54mm_CC	8:15	2.744
25yr_24hr_SCS_Type_II_105.54mm_CC	8:30	2.955
25yr_24hr_SCS_Type_II_105.54mm_CC	8:45	2.955
25yr_24hr_SCS_Type_II_105.54mm_CC	9:00	3.377
25yr_24hr_SCS_Type_II_105.54mm_CC	9:15	3.377
25yr_24hr_SCS_Type_II_105.54mm_CC	9:30	3.799
25yr_24hr_SCS_Type_II_105.54mm_CC	9:45	3.799
25yr_24hr_SCS_Type_II_105.54mm_CC	10:00	4.855
25yr_24hr_SCS_Type_II_105.54mm_CC	10:15	4.855
25yr_24hr_SCS_Type_II_105.54mm_CC	10:30	6.543
25yr_24hr_SCS_Type_II_105.54mm_CC	10:45	6.543
25yr_24hr_SCS_Type_II_105.54mm_CC	11:00	10.132
25yr_24hr_SCS_Type_II_105.54mm_CC	11:15	10.132
25yr_24hr_SCS_Type_II_105.54mm_CC	11:30	31.24
25yr_24hr_SCS_Type_II_105.54mm_CC	11:45	129.181
25yr_24hr_SCS_Type_II_105.54mm_CC	12:00	15.198
25yr_24hr_SCS_Type_II_105.54mm_CC	12:15	15.198
25yr_24hr_SCS_Type_II_105.54mm_CC	12:30	7.81
25yr_24hr_SCS_Type_II_105.54mm_CC	12:45	7.81
25yr_24hr_SCS_Type_II_105.54mm_CC	13:00	5.699
25yr_24hr_SCS_Type_II_105.54mm_CC	13:15	5.699
25yr_24hr_SCS_Type_II_105.54mm_CC	13:30	4.433

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25yr_24hr_SCS_Type_II_105.54mm_CC            13:45      4.433
25yr_24hr_SCS_Type_II_105.54mm_CC            14:00      3.166
25yr_24hr_SCS_Type_II_105.54mm_CC            14:15      3.166
25yr_24hr_SCS_Type_II_105.54mm_CC            14:30      3.166
25yr_24hr_SCS_Type_II_105.54mm_CC            14:45      3.166
25yr_24hr_SCS_Type_II_105.54mm_CC            15:00      3.166
25yr_24hr_SCS_Type_II_105.54mm_CC            15:15      3.166
25yr_24hr_SCS_Type_II_105.54mm_CC            15:30      3.166
25yr_24hr_SCS_Type_II_105.54mm_CC            15:45      3.166
25yr_24hr_SCS_Type_II_105.54mm_CC            16:00      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            16:15      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            16:30      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            16:45      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            17:00      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            17:15      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            17:30      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            17:45      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            18:00      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            18:15      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            18:30      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            18:45      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            19:00      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            19:15      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            19:30      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            19:45      1.9
25yr_24hr_SCS_Type_II_105.54mm_CC            20:00      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            20:15      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            20:30      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            20:45      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            21:00      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            21:15      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            21:30      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            21:45      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            22:00      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            22:15      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            22:30      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            22:45      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            23:00      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            23:15      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            23:30      1.266
25yr_24hr_SCS_Type_II_105.54mm_CC            23:45      1.266

;SCS_Type II_60.57mm design storm, total rainfall = 60.57 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
2yr_24hr_SCS_Type_II_60.57mm_CC              0:00       0.666
2yr_24hr_SCS_Type_II_60.57mm_CC              0:15       0.666
2yr_24hr_SCS_Type_II_60.57mm_CC              0:30       0.666
2yr_24hr_SCS_Type_II_60.57mm_CC              0:45       0.666
2yr_24hr_SCS_Type_II_60.57mm_CC              1:00       0.666
2yr_24hr_SCS_Type_II_60.57mm_CC              1:15       0.666
2yr_24hr_SCS_Type_II_60.57mm_CC              1:30       0.666
2yr_24hr_SCS_Type_II_60.57mm_CC              1:45       0.666
2yr_24hr_SCS_Type_II_60.57mm_CC              2:00       0.787
2yr_24hr_SCS_Type_II_60.57mm_CC              2:15       0.787
2yr_24hr_SCS_Type_II_60.57mm_CC              2:30       0.787
2yr_24hr_SCS_Type_II_60.57mm_CC              2:45       0.787
2yr_24hr_SCS_Type_II_60.57mm_CC              3:00       0.787
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2yr_24hr_SCS_Type_II_60.57mm_CC	3:15	0.787
2yr_24hr_SCS_Type_II_60.57mm_CC	3:30	0.787
2yr_24hr_SCS_Type_II_60.57mm_CC	3:45	0.787
2yr_24hr_SCS_Type_II_60.57mm_CC	4:00	0.969
2yr_24hr_SCS_Type_II_60.57mm_CC	4:15	0.969
2yr_24hr_SCS_Type_II_60.57mm_CC	4:30	0.969
2yr_24hr_SCS_Type_II_60.57mm_CC	4:45	0.969
2yr_24hr_SCS_Type_II_60.57mm_CC	5:00	0.969
2yr_24hr_SCS_Type_II_60.57mm_CC	5:15	0.969
2yr_24hr_SCS_Type_II_60.57mm_CC	5:30	0.969
2yr_24hr_SCS_Type_II_60.57mm_CC	5:45	0.969
2yr_24hr_SCS_Type_II_60.57mm_CC	6:00	1.09
2yr_24hr_SCS_Type_II_60.57mm_CC	6:15	1.09
2yr_24hr_SCS_Type_II_60.57mm_CC	6:30	1.09
2yr_24hr_SCS_Type_II_60.57mm_CC	6:45	1.09
2yr_24hr_SCS_Type_II_60.57mm_CC	7:00	1.333
2yr_24hr_SCS_Type_II_60.57mm_CC	7:15	1.333
2yr_24hr_SCS_Type_II_60.57mm_CC	7:30	1.333
2yr_24hr_SCS_Type_II_60.57mm_CC	7:45	1.333
2yr_24hr_SCS_Type_II_60.57mm_CC	8:00	1.575
2yr_24hr_SCS_Type_II_60.57mm_CC	8:15	1.575
2yr_24hr_SCS_Type_II_60.57mm_CC	8:30	1.696
2yr_24hr_SCS_Type_II_60.57mm_CC	8:45	1.696
2yr_24hr_SCS_Type_II_60.57mm_CC	9:00	1.938
2yr_24hr_SCS_Type_II_60.57mm_CC	9:15	1.938
2yr_24hr_SCS_Type_II_60.57mm_CC	9:30	2.181
2yr_24hr_SCS_Type_II_60.57mm_CC	9:45	2.181
2yr_24hr_SCS_Type_II_60.57mm_CC	10:00	2.786
2yr_24hr_SCS_Type_II_60.57mm_CC	10:15	2.786
2yr_24hr_SCS_Type_II_60.57mm_CC	10:30	3.755
2yr_24hr_SCS_Type_II_60.57mm_CC	10:45	3.755
2yr_24hr_SCS_Type_II_60.57mm_CC	11:00	5.815
2yr_24hr_SCS_Type_II_60.57mm_CC	11:15	5.815
2yr_24hr_SCS_Type_II_60.57mm_CC	11:30	17.929
2yr_24hr_SCS_Type_II_60.57mm_CC	11:45	74.138
2yr_24hr_SCS_Type_II_60.57mm_CC	12:00	8.722
2yr_24hr_SCS_Type_II_60.57mm_CC	12:15	8.722
2yr_24hr_SCS_Type_II_60.57mm_CC	12:30	4.482
2yr_24hr_SCS_Type_II_60.57mm_CC	12:45	4.482
2yr_24hr_SCS_Type_II_60.57mm_CC	13:00	3.271
2yr_24hr_SCS_Type_II_60.57mm_CC	13:15	3.271
2yr_24hr_SCS_Type_II_60.57mm_CC	13:30	2.544
2yr_24hr_SCS_Type_II_60.57mm_CC	13:45	2.544
2yr_24hr_SCS_Type_II_60.57mm_CC	14:00	1.817
2yr_24hr_SCS_Type_II_60.57mm_CC	14:15	1.817
2yr_24hr_SCS_Type_II_60.57mm_CC	14:30	1.817
2yr_24hr_SCS_Type_II_60.57mm_CC	14:45	1.817
2yr_24hr_SCS_Type_II_60.57mm_CC	15:00	1.817
2yr_24hr_SCS_Type_II_60.57mm_CC	15:15	1.817
2yr_24hr_SCS_Type_II_60.57mm_CC	15:30	1.817
2yr_24hr_SCS_Type_II_60.57mm_CC	15:45	1.817
2yr_24hr_SCS_Type_II_60.57mm_CC	16:00	1.09
2yr_24hr_SCS_Type_II_60.57mm_CC	16:15	1.09
2yr_24hr_SCS_Type_II_60.57mm_CC	16:30	1.09
2yr_24hr_SCS_Type_II_60.57mm_CC	16:45	1.09
2yr_24hr_SCS_Type_II_60.57mm_CC	17:00	1.09
2yr_24hr_SCS_Type_II_60.57mm_CC	17:15	1.09

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2yr_24hr_SCS_Type_II_60.57mm_CC           17:30      1.09
2yr_24hr_SCS_Type_II_60.57mm_CC           17:45      1.09
2yr_24hr_SCS_Type_II_60.57mm_CC           18:00      1.09
2yr_24hr_SCS_Type_II_60.57mm_CC           18:15      1.09
2yr_24hr_SCS_Type_II_60.57mm_CC           18:30      1.09
2yr_24hr_SCS_Type_II_60.57mm_CC           18:45      1.09
2yr_24hr_SCS_Type_II_60.57mm_CC           19:00      1.09
2yr_24hr_SCS_Type_II_60.57mm_CC           19:15      1.09
2yr_24hr_SCS_Type_II_60.57mm_CC           19:30      1.09
2yr_24hr_SCS_Type_II_60.57mm_CC           19:45      1.09
2yr_24hr_SCS_Type_II_60.57mm_CC           20:00      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           20:15      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           20:30      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           20:45      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           21:00      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           21:15      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           21:30      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           21:45      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           22:00      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           22:15      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           22:30      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           22:45      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           23:00      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           23:15      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           23:30      0.727
2yr_24hr_SCS_Type_II_60.57mm_CC           23:45      0.727

;SCS_Type II_116.84mm design storm, total rainfall = 116.84 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
50yr_24hr_SCS_Type_II_116.84mm_CC           0:00       1.285
50yr_24hr_SCS_Type_II_116.84mm_CC           0:15       1.285
50yr_24hr_SCS_Type_II_116.84mm_CC           0:30       1.285
50yr_24hr_SCS_Type_II_116.84mm_CC           0:45       1.285
50yr_24hr_SCS_Type_II_116.84mm_CC           1:00       1.285
50yr_24hr_SCS_Type_II_116.84mm_CC           1:15       1.285
50yr_24hr_SCS_Type_II_116.84mm_CC           1:30       1.285
50yr_24hr_SCS_Type_II_116.84mm_CC           1:45       1.285
50yr_24hr_SCS_Type_II_116.84mm_CC           2:00       1.519
50yr_24hr_SCS_Type_II_116.84mm_CC           2:15       1.519
50yr_24hr_SCS_Type_II_116.84mm_CC           2:30       1.519
50yr_24hr_SCS_Type_II_116.84mm_CC           2:45       1.519
50yr_24hr_SCS_Type_II_116.84mm_CC           3:00       1.519
50yr_24hr_SCS_Type_II_116.84mm_CC           3:15       1.519
50yr_24hr_SCS_Type_II_116.84mm_CC           3:30       1.519
50yr_24hr_SCS_Type_II_116.84mm_CC           3:45       1.519
50yr_24hr_SCS_Type_II_116.84mm_CC           4:00       1.869
50yr_24hr_SCS_Type_II_116.84mm_CC           4:15       1.869
50yr_24hr_SCS_Type_II_116.84mm_CC           4:30       1.869
50yr_24hr_SCS_Type_II_116.84mm_CC           4:45       1.869
50yr_24hr_SCS_Type_II_116.84mm_CC           5:00       1.869
50yr_24hr_SCS_Type_II_116.84mm_CC           5:15       1.869
50yr_24hr_SCS_Type_II_116.84mm_CC           5:30       1.869
50yr_24hr_SCS_Type_II_116.84mm_CC           5:45       1.869
50yr_24hr_SCS_Type_II_116.84mm_CC           6:00       2.103
50yr_24hr_SCS_Type_II_116.84mm_CC           6:15       2.103
50yr_24hr_SCS_Type_II_116.84mm_CC           6:30       2.103
50yr_24hr_SCS_Type_II_116.84mm_CC           6:45       2.103
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50yr_24hr_SCS_Type_II_116.84mm_CC	7:00	2.57
50yr_24hr_SCS_Type_II_116.84mm_CC	7:15	2.57
50yr_24hr_SCS_Type_II_116.84mm_CC	7:30	2.57
50yr_24hr_SCS_Type_II_116.84mm_CC	7:45	2.57
50yr_24hr_SCS_Type_II_116.84mm_CC	8:00	3.038
50yr_24hr_SCS_Type_II_116.84mm_CC	8:15	3.038
50yr_24hr_SCS_Type_II_116.84mm_CC	8:30	3.272
50yr_24hr_SCS_Type_II_116.84mm_CC	8:45	3.272
50yr_24hr_SCS_Type_II_116.84mm_CC	9:00	3.739
50yr_24hr_SCS_Type_II_116.84mm_CC	9:15	3.739
50yr_24hr_SCS_Type_II_116.84mm_CC	9:30	4.206
50yr_24hr_SCS_Type_II_116.84mm_CC	9:45	4.206
50yr_24hr_SCS_Type_II_116.84mm_CC	10:00	5.375
50yr_24hr_SCS_Type_II_116.84mm_CC	10:15	5.375
50yr_24hr_SCS_Type_II_116.84mm_CC	10:30	7.244
50yr_24hr_SCS_Type_II_116.84mm_CC	10:45	7.244
50yr_24hr_SCS_Type_II_116.84mm_CC	11:00	11.217
50yr_24hr_SCS_Type_II_116.84mm_CC	11:15	11.217
50yr_24hr_SCS_Type_II_116.84mm_CC	11:30	34.585
50yr_24hr_SCS_Type_II_116.84mm_CC	11:45	143.012
50yr_24hr_SCS_Type_II_116.84mm_CC	12:00	16.825
50yr_24hr_SCS_Type_II_116.84mm_CC	12:15	16.825
50yr_24hr_SCS_Type_II_116.84mm_CC	12:30	8.646
50yr_24hr_SCS_Type_II_116.84mm_CC	12:45	8.646
50yr_24hr_SCS_Type_II_116.84mm_CC	13:00	6.309
50yr_24hr_SCS_Type_II_116.84mm_CC	13:15	6.309
50yr_24hr_SCS_Type_II_116.84mm_CC	13:30	4.907
50yr_24hr_SCS_Type_II_116.84mm_CC	13:45	4.907
50yr_24hr_SCS_Type_II_116.84mm_CC	14:00	3.505
50yr_24hr_SCS_Type_II_116.84mm_CC	14:15	3.505
50yr_24hr_SCS_Type_II_116.84mm_CC	14:30	3.505
50yr_24hr_SCS_Type_II_116.84mm_CC	14:45	3.505
50yr_24hr_SCS_Type_II_116.84mm_CC	15:00	3.505
50yr_24hr_SCS_Type_II_116.84mm_CC	15:15	3.505
50yr_24hr_SCS_Type_II_116.84mm_CC	15:30	3.505
50yr_24hr_SCS_Type_II_116.84mm_CC	15:45	3.505
50yr_24hr_SCS_Type_II_116.84mm_CC	16:00	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	16:15	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	16:30	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	16:45	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	17:00	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	17:15	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	17:30	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	17:45	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	18:00	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	18:15	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	18:30	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	18:45	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	19:00	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	19:15	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	19:30	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	19:45	2.103
50yr_24hr_SCS_Type_II_116.84mm_CC	20:00	1.402
50yr_24hr_SCS_Type_II_116.84mm_CC	20:15	1.402
50yr_24hr_SCS_Type_II_116.84mm_CC	20:30	1.402
50yr_24hr_SCS_Type_II_116.84mm_CC	20:45	1.402
50yr_24hr_SCS_Type_II_116.84mm_CC	21:00	1.402

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50yr_24hr_SCS_Type_II_116.84mm_CC            21:15      1.402
50yr_24hr_SCS_Type_II_116.84mm_CC            21:30      1.402
50yr_24hr_SCS_Type_II_116.84mm_CC            21:45      1.402
50yr_24hr_SCS_Type_II_116.84mm_CC            22:00      1.402
50yr_24hr_SCS_Type_II_116.84mm_CC            22:15      1.402
50yr_24hr_SCS_Type_II_116.84mm_CC            22:30      1.402
50yr_24hr_SCS_Type_II_116.84mm_CC            22:45      1.402
50yr_24hr_SCS_Type_II_116.84mm_CC            23:00      1.402
50yr_24hr_SCS_Type_II_116.84mm_CC            23:15      1.402
50yr_24hr_SCS_Type_II_116.84mm_CC            23:30      1.402
50yr_24hr_SCS_Type_II_116.84mm_CC            23:45      1.402

;SCS_Type II_79.3mm design storm, total rainfall = 79.3 mm, rain interval = 15
minutes, rain units = mm/hr., rain units = mm/hr.
5yr_24hr_SCS_Type_II_79.3mm_CC            0:00       0.872
5yr_24hr_SCS_Type_II_79.3mm_CC            0:15       0.872
5yr_24hr_SCS_Type_II_79.3mm_CC            0:30       0.872
5yr_24hr_SCS_Type_II_79.3mm_CC            0:45       0.872
5yr_24hr_SCS_Type_II_79.3mm_CC            1:00       0.872
5yr_24hr_SCS_Type_II_79.3mm_CC            1:15       0.872
5yr_24hr_SCS_Type_II_79.3mm_CC            1:30       0.872
5yr_24hr_SCS_Type_II_79.3mm_CC            1:45       0.872
5yr_24hr_SCS_Type_II_79.3mm_CC            2:00       1.031
5yr_24hr_SCS_Type_II_79.3mm_CC            2:15       1.031
5yr_24hr_SCS_Type_II_79.3mm_CC            2:30       1.031
5yr_24hr_SCS_Type_II_79.3mm_CC            2:45       1.031
5yr_24hr_SCS_Type_II_79.3mm_CC            3:00       1.031
5yr_24hr_SCS_Type_II_79.3mm_CC            3:15       1.031
5yr_24hr_SCS_Type_II_79.3mm_CC            3:30       1.031
5yr_24hr_SCS_Type_II_79.3mm_CC            3:45       1.031
5yr_24hr_SCS_Type_II_79.3mm_CC            4:00       1.269
5yr_24hr_SCS_Type_II_79.3mm_CC            4:15       1.269
5yr_24hr_SCS_Type_II_79.3mm_CC            4:30       1.269
5yr_24hr_SCS_Type_II_79.3mm_CC            4:45       1.269
5yr_24hr_SCS_Type_II_79.3mm_CC            5:00       1.269
5yr_24hr_SCS_Type_II_79.3mm_CC            5:15       1.269
5yr_24hr_SCS_Type_II_79.3mm_CC            5:30       1.269
5yr_24hr_SCS_Type_II_79.3mm_CC            5:45       1.269
5yr_24hr_SCS_Type_II_79.3mm_CC            6:00       1.427
5yr_24hr_SCS_Type_II_79.3mm_CC            6:15       1.427
5yr_24hr_SCS_Type_II_79.3mm_CC            6:30       1.427
5yr_24hr_SCS_Type_II_79.3mm_CC            6:45       1.427
5yr_24hr_SCS_Type_II_79.3mm_CC            7:00       1.745
5yr_24hr_SCS_Type_II_79.3mm_CC            7:15       1.745
5yr_24hr_SCS_Type_II_79.3mm_CC            7:30       1.745
5yr_24hr_SCS_Type_II_79.3mm_CC            7:45       1.745
5yr_24hr_SCS_Type_II_79.3mm_CC            8:00       2.062
5yr_24hr_SCS_Type_II_79.3mm_CC            8:15       2.062
5yr_24hr_SCS_Type_II_79.3mm_CC            8:30       2.22
5yr_24hr_SCS_Type_II_79.3mm_CC            8:45       2.22
5yr_24hr_SCS_Type_II_79.3mm_CC            9:00       2.538
5yr_24hr_SCS_Type_II_79.3mm_CC            9:15       2.538
5yr_24hr_SCS_Type_II_79.3mm_CC            9:30       2.855
5yr_24hr_SCS_Type_II_79.3mm_CC            9:45       2.855
5yr_24hr_SCS_Type_II_79.3mm_CC            10:00      3.648
5yr_24hr_SCS_Type_II_79.3mm_CC            10:15      3.648
5yr_24hr_SCS_Type_II_79.3mm_CC            10:30      4.917
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5yr_24hr_SCS_Type_II_79.3mm_CC           10:45      4.917
5yr_24hr_SCS_Type_II_79.3mm_CC           11:00      7.613
5yr_24hr_SCS_Type_II_79.3mm_CC           11:15      7.613
5yr_24hr_SCS_Type_II_79.3mm_CC           11:30      23.473
5yr_24hr_SCS_Type_II_79.3mm_CC           11:45      97.063
5yr_24hr_SCS_Type_II_79.3mm_CC           12:00      11.419
5yr_24hr_SCS_Type_II_79.3mm_CC           12:15      11.419
5yr_24hr_SCS_Type_II_79.3mm_CC           12:30      5.868
5yr_24hr_SCS_Type_II_79.3mm_CC           12:45      5.868
5yr_24hr_SCS_Type_II_79.3mm_CC           13:00      4.282
5yr_24hr_SCS_Type_II_79.3mm_CC           13:15      4.282
5yr_24hr_SCS_Type_II_79.3mm_CC           13:30      3.331
5yr_24hr_SCS_Type_II_79.3mm_CC           13:45      3.331
5yr_24hr_SCS_Type_II_79.3mm_CC           14:00      2.379
5yr_24hr_SCS_Type_II_79.3mm_CC           14:15      2.379
5yr_24hr_SCS_Type_II_79.3mm_CC           14:30      2.379
5yr_24hr_SCS_Type_II_79.3mm_CC           14:45      2.379
5yr_24hr_SCS_Type_II_79.3mm_CC           15:00      2.379
5yr_24hr_SCS_Type_II_79.3mm_CC           15:15      2.379
5yr_24hr_SCS_Type_II_79.3mm_CC           15:30      2.379
5yr_24hr_SCS_Type_II_79.3mm_CC           15:45      2.379
5yr_24hr_SCS_Type_II_79.3mm_CC           16:00      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           16:15      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           16:30      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           16:45      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           17:00      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           17:15      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           17:30      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           17:45      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           18:00      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           18:15      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           18:30      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           18:45      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           19:00      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           19:15      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           19:30      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           19:45      1.427
5yr_24hr_SCS_Type_II_79.3mm_CC           20:00      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           20:15      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           20:30      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           20:45      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           21:00      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           21:15      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           21:30      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           21:45      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           22:00      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           22:15      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           22:30      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           22:45      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           23:00      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           23:15      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           23:30      0.952
5yr_24hr_SCS_Type_II_79.3mm_CC           23:45      0.952

[REPORT]
;;Reporting Options
INPUT      YES
```

```
CONTROLS   NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]
Subcatch   CA-1             Developed
Subcatch   CA-2             Developed
Subcatch   CA-3             Developed
Subcatch   CA-4             Undeveloped
Subcatch   CA-5             Undeveloped
Subcatch   CA-6             Undeveloped
Subcatch   CA-7             Undeveloped
Subcatch   CA-8             Undeveloped
Subcatch   CA-9             Undeveloped
Subcatch   EX-1             External
Subcatch   EX-2             External
Subcatch   EX-3             External
Subcatch   EX-4             External

[MAP]
DIMENSIONS       405531.2856      4973538.49145    409373.1544      4975882.16355
UNITS            Meters

[COORDINATES]
;;Node           X-Coord            Y-Coord
;;-------------- ------------------ ------------------
J_Dummy          409188.524         4975553.026
OF-1             406202.75          4974136.759
OF-2             406558.27          4973829.244
OF-3             407547.737         4973711.917
OF-4             405839.152         4974539.302
OF-5             405705.916         4974693.25

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

[POLYGONS]
;;Subcatchment   X-Coord            Y-Coord
;;-------------- ------------------ ------------------
CA-1             406591.577         4974136.955
CA-1             406584.522         4974136.684
CA-1             406477.401         4974266
CA-1             406488             4974266
CA-1             406488             4974265.5
CA-1             406488.5           4974265.5
CA-1             406488.5           4974265
CA-1             406489             4974265
CA-1             406489             4974264.5
CA-1             406489.5           4974264.5
CA-1             406489.5           4974264
CA-1             406490             4974264
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EX-1	407489.393	4974660.221
EX-1	407491.278	4974659.779
EX-1	407491.822	4974658.994
EX-1	407491.436	4974655.925
EX-1	407494.247	4974654.747
EX-1	407496.128	4974651.807
EX-1	407490.785	4974646.727
EX-1	407488.108	4974647.38
EX-1	407486.725	4974645.775
EX-1	407483.774	4974644.226
EX-1	407482.743	4974642.812
EX-1	407482.909	4974640.581
EX-1	407482.07	4974637.93
EX-1	407477.635	4974636.365
EX-1	407475.716	4974633.784
EX-1	407474.87	4974631.63
EX-1	407473.097	4974629.903
EX-1	407470.903	4974629.097
EX-1	407467.398	4974626.102
EX-1	407465.33	4974623.397
EX-1	407467.059	4974622.124
EX-1	407468.521	4974622.795
EX-1	407469.081	4974622.569
EX-1	407469.751	4974620.694
EX-1	407465.796	4974617.704
EX-1	407465.35	4974616.715
EX-1	407468.075	4974613.576
EX-1	407468.38	4974612.564
EX-1	407466.816	4974610.855
EX-1	407465.903	4974610.542
EX-1	407465.279	4974608.221
EX-1	407463.113	4974605.887
EX-1	407462.619	4974603.064

EX-1	407463.778	4974601.289
EX-1	407463.574	4974599.925
EX-1	407459.21	4974597.845
EX-1	407456.909	4974598.909
EX-1	407454.307	4974598.693
EX-1	407453.597	4974596.903
EX-1	407450.587	4974593.914
EX-1	407450.387	4974590.113
EX-1	407448.103	4974587.397
EX-1	407445.334	4974585.722
EX-1	407441.006	4974587.322
EX-1	407440.065	4974586.436
EX-1	407439.564	4974583.925
EX-1	407432.125	4974580.864
EX-1	407411.403	4974559.597
EX-1	407410.716	4974557.339
EX-1	407410.778	4974555.211
EX-1	407406.931	4974552.57
EX-1	407406.779	4974550.167
EX-1	407405.602	4974548.398
EX-1	407403.726	4974546.786
EX-1	407402.774	4974546.786
EX-1	407401.221	4974548.721
EX-1	407399.779	4974549.279
EX-1	407397.403	4974551.28
EX-1	407396.472	4974552.79
EX-1	407393.226	4974549.775
EX-1	407391.721	4974549.722
EX-1	407391.092	4974550.592
EX-1	407390.575	4974553.563
EX-1	407390.022	4974553.794
EX-1	407388.785	4974552.727
EX-1	407387.802	4974552.812
EX-1	407386.495	4974556.995
EX-1	407385.312	4974558.628
EX-1	407384.897	4974558.537
EX-1	407382.575	4974554.925
EX-1	407378.425	4974552.575
EX-1	407377.226	4974550.774
EX-1	407375.731	4974549.769
EX-1	407374.135	4974549.307
EX-1	407372.978	4974550.295
EX-1	407370.775	4974549.226
EX-1	407370.308	4974548.135
EX-1	407371.881	4974546.882
EX-1	407371.784	4974545.216
EX-1	407368.431	4974542.08
EX-1	407368.381	4974539.608
EX-1	407365.807	4974537.365
EX-1	407365.859	4974536.086
EX-1	407364.721	4974534.779
EX-1	407363.575	4974531.425
EX-1	407360.79	4974529.71
EX-1	407356.215	4974528.113
EX-1	407355.698	4974527.301
EX-1	407354.302	4974526.698
EX-1	407353.097	4974524.903

```
EX-1             407351.302         4974524.198
EX-1             407348.28          4974520.73
EX-1             407348.403         4974519.402
EX-1             407361.097         4974504.597
EX-1             407361.467         4974503.478
EX-1             407361.097         4974501.903
EX-1             407358.603         4974498.397
EX-1             407353.902         4974493.598
EX-1             407353.189         4974491.811
EX-1             407352.972         4974475.528
EX-1             407352.597         4974474.403
EX-1             407349.705         4974471.109
EX-1             407165.956         4974692.539
EX-1             406927.158         4974980.924
EX-1             406627.029         4975344.123
......
Too many subcatchment entities (13 in total).

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

PCSWMM Post-Development Climate Change Model - 1:2 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Climate Change Model

  *************
  Element Count
  *************
  Number of rain gages ...... 6
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                      Data       Recording
  Name                 Data Source                    Type       Interval
  ----------------------------------------------------------------------
  100yr_24hr_SCS_Type_II_129.74mm_CC 100yr_24hr_SCS_Type_II_129.74mm_CC INTENSITY
15 min.
  10yr_24hr_SCS_Type_II_91.02mm_CC 10yr_24hr_SCS_Type_II_91.02mm_CC INTENSITY   15
min.
  25yr_24hr_SCS_Type_II_105.54mm_CC 25yr_24hr_SCS_Type_II_105.54mm_CC INTENSITY
15 min.
  2yr_24hr_SCS_Type_II_60.57mm_CC 2yr_24hr_SCS_Type_II_60.57mm_CC INTENSITY   15
min.
  50yr_24hr_SCS_Type_II_116.84mm_CC 50yr_24hr_SCS_Type_II_116.84mm_CC INTENSITY
15 min.
  5yr_24hr_SCS_Type_II_79.3mm_CC 5yr_24hr_SCS_Type_II_79.3mm_CC INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
2yr_24hr_SCS_Type_II_60.57mm_CC OF-2
  CA-2                        26.09    401.46      8.00    0.8500
2yr_24hr_SCS_Type_II_60.57mm_CC OF-1
  CA-3                         3.42    136.98     13.00    1.7820
2yr_24hr_SCS_Type_II_60.57mm_CC OF-1
  CA-4                        49.75    284.28      0.00    2.0000
2yr_24hr_SCS_Type_II_60.57mm_CC OF-2
  CA-5                        22.94    902.67      0.00    2.0000
2yr_24hr_SCS_Type_II_60.57mm_CC OF-3
  CA-6                         5.07    337.85      0.00    2.0000
2yr_24hr_SCS_Type_II_60.57mm_CC OF-1
  CA-7                        11.56    385.26      0.00    1.5000
2yr_24hr_SCS_Type_II_60.57mm_CC OF-4
  CA-8                         1.63    108.91      0.00    1.0000
2yr_24hr_SCS_Type_II_60.57mm_CC OF-5
```

CA-9	5.67	141.63	0.00	2.0000	2yr_24hr_SCS_Type_II_60.57mm_CC OF-5
EX-1	25.12	279.07	0.00	1.0000	2yr_24hr_SCS_Type_II_60.57mm_CC OF-2
EX-2	15.71	241.65	0.00	1.0000	2yr_24hr_SCS_Type_II_60.57mm_CC OF-5
EX-3	1.20	120.37	0.00	2.0000	2yr_24hr_SCS_Type_II_60.57mm_CC OF-5
EX-4	1.72	143.65	0.00	1.5000	2yr_24hr_SCS_Type_II_60.57mm_CC OF-5

****
LID Control Summary
****

Subcatchment	LID Control	No. of Units	Unit Area	Unit Width	% Area Covered	% Imperv Treated	% Perv Treated
CA-1	LID-CA-1	1	4256.00	15.20	8.24	100.00	100.00
CA-2	LID-CA-2	1	4256.00	15.20	1.63	100.00	100.00
CA-3	LID-CA-3	1	2128.00	15.20	6.21	100.00	100.00

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670

0.8117 0.8571 0.9034 0.9511 1.0000

Hrad:

0.0282 0.0605 0.0901 0.1160 0.1383
0.1640 0.1924 0.2246 0.2593 0.2934
0.3249 0.3547 0.3763 0.3976 0.4236
0.4513 0.4804 0.5094 0.5390 0.5685
0.5965 0.6225 0.6436 0.6476 0.6408
0.6242 0.6080 0.5923 0.3098 0.3537
0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000

Width:

0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4

Area:

0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000

Hrad:

0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000

Width:

0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201

```
            0.9327     0.9476     0.9645     0.9829     1.0000

Transect 5
Area:
            0.0006     0.0022     0.0048     0.0085     0.0130
            0.0180     0.0237     0.0300     0.0371     0.0448
            0.0529     0.0614     0.0705     0.0802     0.0904
            0.1013     0.1126     0.1244     0.1367     0.1494
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Initial LID Storage	0.015	0.086
Total Precipitation	10.602	60.568
Evaporation Loss	0.000	0.000
Infiltration Loss	6.658	38.033
Surface Runoff	1.439	8.222
LID Drainage	0.094	0.536
Final Storage	2.432	13.895
Continuity Error (%)	-0.053	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	1.529	15.288
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	1.529	15.288
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	60.57	0.00	0.00	32.41	5.98	17.09	6.91	0.36	0.01	0.114
CA-2	60.57	0.00	0.00	35.22	4.77	13.52	9.47	2.47	0.09	0.156
CA-3	60.57	0.00	0.00	32.80	7.40	17.78	5.52	0.19	0.01	0.091
CA-4	60.57	0.00	0.00	38.92	0.00	5.98	5.98	2.97	0.08	0.099
CA-5	60.57	0.00	0.00	46.90	0.00	2.74	2.74	0.63	0.02	0.045
CA-6	60.57	0.00	0.00	38.92	0.00	13.43	13.43	0.68	0.03	0.222

```
  CA-7                        60.57       0.00       0.00      36.08       0.00
15.27      15.27        1.77     0.07   0.252
  CA-8                        60.57       0.00       0.00      40.81       0.00
10.54      10.54        0.17     0.01   0.174
  CA-9                        60.57       0.00       0.00      36.08       0.00
14.96      14.96        0.85     0.03   0.247
  EX-1                        60.57       0.00       0.00      36.08       0.00
10.57      10.57        2.66     0.07   0.175
  EX-2                        60.57       0.00       0.00      35.31       0.00
12.89      12.89        2.02     0.06   0.213
  EX-3                        60.57       0.00       0.00      36.83       0.00
16.73      16.73        0.20     0.02   0.276
  EX-4                        60.57       0.00       0.00      32.82       0.00
21.16      21.16        0.36     0.04   0.349


  ************************
  LID Performance Summary
  ************************

  ------------------------------------------------------------------------------
----------------------------------
                                      Total      Evap     Infil   Surface
Drain    Initial     Final  Continuity
                                     Inflow      Loss      Loss   Outflow
Outflow   Storage   Storage       Error
  Subcatchment      LID Control           mm        mm        mm        mm
mm        mm        mm           %
  ------------------------------------------------------------------------------
----------------------------------
  CA-1              LID-CA-1           267.92      0.00      0.00      0.00
83.88     14.10    198.45       -0.11
  CA-2              LID-CA-2           889.79      0.00      0.00    488.11
92.36     14.10    323.47       -0.01
  CA-3              LID-CA-3           346.70      0.00      0.00      0.00
88.76     14.10    272.21       -0.05

  Analysis begun on:  Fri Nov  6 15:50:01 2026
  Analysis ended on:  Fri Nov  6 15:50:01 2026
  Total elapsed time: < 1 sec
```

PCSWMM Post-Development Climate Change Model - 1:5 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Climate Change Model

  *************
  Element Count
  *************
  Number of rain gages ...... 6
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ----------------------------------------------------------------------------
  100yr_24hr_SCS_Type_II_129.74mm_CC 100yr_24hr_SCS_Type_II_129.74mm_CC INTENSITY
15 min.
  10yr_24hr_SCS_Type_II_91.02mm_CC 10yr_24hr_SCS_Type_II_91.02mm_CC INTENSITY   15
min.
  25yr_24hr_SCS_Type_II_105.54mm_CC 25yr_24hr_SCS_Type_II_105.54mm_CC INTENSITY
15 min.
  2yr_24hr_SCS_Type_II_60.57mm_CC 2yr_24hr_SCS_Type_II_60.57mm_CC INTENSITY   15
min.
  50yr_24hr_SCS_Type_II_116.84mm_CC 50yr_24hr_SCS_Type_II_116.84mm_CC INTENSITY
15 min.
  5yr_24hr_SCS_Type_II_79.3mm_CC 5yr_24hr_SCS_Type_II_79.3mm_CC INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ----------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
5yr_24hr_SCS_Type_II_79.3mm_CC OF-2
  CA-2                        26.09    401.46      8.00    0.8500
5yr_24hr_SCS_Type_II_79.3mm_CC OF-1
  CA-3                         3.42    136.98     13.00    1.7820
5yr_24hr_SCS_Type_II_79.3mm_CC OF-1
  CA-4                        49.75    284.28      0.00    2.0000
5yr_24hr_SCS_Type_II_79.3mm_CC OF-2
  CA-5                        22.94    902.67      0.00    2.0000
5yr_24hr_SCS_Type_II_79.3mm_CC OF-3
  CA-6                         5.07    337.85      0.00    2.0000
5yr_24hr_SCS_Type_II_79.3mm_CC OF-1
  CA-7                        11.56    385.26      0.00    1.5000
5yr_24hr_SCS_Type_II_79.3mm_CC OF-4
  CA-8                         1.63    108.91      0.00    1.0000
5yr_24hr_SCS_Type_II_79.3mm_CC OF-5
```

CA-9	5.67	141.63	0.00	2.0000	5yr_24hr_SCS_Type_II_79.3mm_CC OF-5
EX-1	25.12	279.07	0.00	1.0000	5yr_24hr_SCS_Type_II_79.3mm_CC OF-2
EX-2	15.71	241.65	0.00	1.0000	5yr_24hr_SCS_Type_II_79.3mm_CC OF-5
EX-3	1.20	120.37	0.00	2.0000	5yr_24hr_SCS_Type_II_79.3mm_CC OF-5
EX-4	1.72	143.65	0.00	1.5000	5yr_24hr_SCS_Type_II_79.3mm_CC OF-5

****
LID Control Summary
****

Subcatchment	LID Control	No. of Units	Unit Area	Unit Width	% Area Covered	% Imperv Treated	% Perv Treated
CA-1	LID-CA-1	1	4256.00	15.20	8.24	100.00	100.00
CA-2	LID-CA-2	1	4256.00	15.20	1.63	100.00	100.00
CA-3	LID-CA-3	1	2128.00	15.20	6.21	100.00	100.00

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670

0.8117 0.8571 0.9034 0.9511 1.0000

Hrad:

0.0282 0.0605 0.0901 0.1160 0.1383
0.1640 0.1924 0.2246 0.2593 0.2934
0.3249 0.3547 0.3763 0.3976 0.4236
0.4513 0.4804 0.5094 0.5390 0.5685
0.5965 0.6225 0.6436 0.6476 0.6408
0.6242 0.6080 0.5923 0.3098 0.3537
0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000

Width:

0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4

Area:

0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000

Hrad:

0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000

Width:

0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201

```
            0.9327     0.9476     0.9645     0.9829     1.0000

Transect 5
Area:
            0.0006     0.0022     0.0048     0.0085     0.0130
            0.0180     0.0237     0.0300     0.0371     0.0448
            0.0529     0.0614     0.0705     0.0802     0.0904
            0.1013     0.1126     0.1244     0.1367     0.1494
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Initial LID Storage	0.015	0.086
Total Precipitation	13.882	79.301
Evaporation Loss	0.000	0.000
Infiltration Loss	7.863	44.920
Surface Runoff	3.049	17.415
LID Drainage	0.103	0.589
Final Storage	2.890	16.512
Continuity Error (%)	-0.063	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	3.145	31.449
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	3.145	31.449
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	79.30	0.00	0.00	38.32	7.83	27.92	9.99	0.52	0.02	0.126
CA-2	79.30	0.00	0.00	41.52	6.25	24.20	20.39	5.32	0.22	0.257
CA-3	79.30	0.00	0.00	38.90	9.68	28.82	15.16	0.52	0.04	0.191
CA-4	79.30	0.00	0.00	45.88	0.00	13.52	13.52	6.73	0.18	0.171
CA-5	79.30	0.00	0.00	57.40	0.00	9.61	9.61	2.20	0.06	0.121
CA-6	79.30	0.00	0.00	45.88	0.00	24.70	24.70	1.25	0.09	0.311

```
  CA-7                        79.30       0.00       0.00      41.99       0.00
27.29      27.29        3.15     0.18   0.344
  CA-8                        79.30       0.00       0.00      48.54       0.00
20.85      20.85        0.34     0.02   0.263
  CA-9                        79.30       0.00       0.00      41.99       0.00
26.89      26.89        1.52     0.08   0.339
  EX-1                        79.30       0.00       0.00      41.99       0.00
20.79      20.79        5.22     0.16   0.262
  EX-2                        79.30       0.00       0.00      40.95       0.00
24.14      24.14        3.79     0.14   0.304
  EX-3                        79.30       0.00       0.00      43.00       0.00
28.94      28.94        0.35     0.05   0.365
  EX-4                        79.30       0.00       0.00      37.64       0.00
34.70      34.70        0.60     0.09   0.438


  ************************
  LID Performance Summary
  ************************

  ------------------------------------------------------------------------------
----------------------------------
                                      Total      Evap     Infil   Surface
Drain    Initial     Final  Continuity
                                     Inflow      Loss      Loss   Outflow
Outflow   Storage   Storage       Error
  Subcatchment      LID Control           mm        mm        mm        mm
mm        mm        mm           %
  ------------------------------------------------------------------------------
----------------------------------
  CA-1              LID-CA-1            418.06      0.00      0.00     26.17
95.09     14.10    311.01       -0.03
  CA-2              LID-CA-2           1562.86      0.00      0.00   1151.43
98.52     14.10    327.07       -0.00
  CA-3              LID-CA-3            543.09      0.00      0.00    146.73
97.27     14.10    313.21       -0.00

  Analysis begun on:  Fri Nov  6 15:51:41 2026
  Analysis ended on:  Fri Nov  6 15:51:41 2026
  Total elapsed time: < 1 sec
```

PCSWMM Post-Development Climate Change Model - 1:10 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Climate Change Model

  *************
  Element Count
  *************
  Number of rain gages ...... 6
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ---------------------------------------------------------------------------
  100yr_24hr_SCS_Type_II_129.74mm_CC 100yr_24hr_SCS_Type_II_129.74mm_CC INTENSITY
15 min.
  10yr_24hr_SCS_Type_II_91.02mm_CC 10yr_24hr_SCS_Type_II_91.02mm_CC INTENSITY   15
min.
  25yr_24hr_SCS_Type_II_105.54mm_CC 25yr_24hr_SCS_Type_II_105.54mm_CC INTENSITY
15 min.
  2yr_24hr_SCS_Type_II_60.57mm_CC 2yr_24hr_SCS_Type_II_60.57mm_CC INTENSITY   15
min.
  50yr_24hr_SCS_Type_II_116.84mm_CC 50yr_24hr_SCS_Type_II_116.84mm_CC INTENSITY
15 min.
  5yr_24hr_SCS_Type_II_79.3mm_CC 5yr_24hr_SCS_Type_II_79.3mm_CC INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
10yr_24hr_SCS_Type_II_91.02mm_CC OF-2
  CA-2                        26.09    401.46      8.00    0.8500
10yr_24hr_SCS_Type_II_91.02mm_CC OF-1
  CA-3                         3.42    136.98     13.00    1.7820
10yr_24hr_SCS_Type_II_91.02mm_CC OF-1
  CA-4                        49.75    284.28      0.00    2.0000
10yr_24hr_SCS_Type_II_91.02mm_CC OF-2
  CA-5                        22.94    902.67      0.00    2.0000
10yr_24hr_SCS_Type_II_91.02mm_CC OF-3
  CA-6                         5.07    337.85      0.00    2.0000
10yr_24hr_SCS_Type_II_91.02mm_CC OF-1
  CA-7                        11.56    385.26      0.00    1.5000
10yr_24hr_SCS_Type_II_91.02mm_CC OF-4
  CA-8                         1.63    108.91      0.00    1.0000
10yr_24hr_SCS_Type_II_91.02mm_CC OF-5
```

CA-9	5.67	141.63	0.00	2.0000	10yr_24hr_SCS_Type_II_91.02mm_CC OF-5
EX-1	25.12	279.07	0.00	1.0000	10yr_24hr_SCS_Type_II_91.02mm_CC OF-2
EX-2	15.71	241.65	0.00	1.0000	10yr_24hr_SCS_Type_II_91.02mm_CC OF-5
EX-3	1.20	120.37	0.00	2.0000	10yr_24hr_SCS_Type_II_91.02mm_CC OF-5
EX-4	1.72	143.65	0.00	1.5000	10yr_24hr_SCS_Type_II_91.02mm_CC OF-5

****
LID Control Summary
****

Subcatchment	LID Control	No. of Units	Unit Area	Unit Width	% Area Covered	% Imperv Treated	% Perv Treated
CA-1	LID-CA-1	1	4256.00	15.20	8.24	100.00	100.00
CA-2	LID-CA-2	1	4256.00	15.20	1.63	100.00	100.00
CA-3	LID-CA-3	1	2128.00	15.20	6.21	100.00	100.00

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670

0.8117 0.8571 0.9034 0.9511 1.0000

Hrad:

0.0282 0.0605 0.0901 0.1160 0.1383
0.1640 0.1924 0.2246 0.2593 0.2934
0.3249 0.3547 0.3763 0.3976 0.4236
0.4513 0.4804 0.5094 0.5390 0.5685
0.5965 0.6225 0.6436 0.6476 0.6408
0.6242 0.6080 0.5923 0.3098 0.3537
0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000

Width:

0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4

Area:

0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000

Hrad:

0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000

Width:

0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201

```
            0.9327     0.9476     0.9645     0.9829     1.0000

Transect 5
Area:
            0.0006     0.0022     0.0048     0.0085     0.0130
            0.0180     0.0237     0.0300     0.0371     0.0448
            0.0529     0.0614     0.0705     0.0802     0.0904
            0.1013     0.1126     0.1244     0.1367     0.1494
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Initial LID Storage	0.015	0.086
Total Precipitation	15.932	91.016
Evaporation Loss	0.000	0.000
Infiltration Loss	8.506	48.593
Surface Runoff	4.241	24.226
LID Drainage	0.106	0.608
Final Storage	3.105	17.737
Continuity Error (%)	-0.068	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	4.339	43.389
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	4.339	43.389
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Precip mm	Runon mm	Total Evap mm	Total Infil mm	Total Runoff mm	Total Runoff 10^6 ltr	Total Runoff CMS	Peak Runoff CMS	Runoff Coeff	Imperv Runoff mm	Perv Runoff mm
CA-1	91.02	0.00	0.00	41.47	8.99	18.12	0.94	0.06	0.199	35.26	
CA-2	91.02	0.00	0.00	44.86	7.17	27.95	7.29	0.34	0.307	31.60	
CA-3	91.02	0.00	0.00	42.16	11.11	23.31	0.80	0.08	0.256	36.29	
CA-4	91.02	0.00	0.00	49.57	0.00	19.26	9.58	0.26	0.212	19.26	
CA-5	91.02	0.00	0.00	63.30	0.00	14.80	3.39	0.11	0.163	14.80	
CA-6	91.02	0.00	0.00	49.57	0.00	32.43	1.64	0.16	0.356	32.43	

```
  CA-7                      91.02       0.00       0.00      45.06       0.00
35.48      35.48        4.10     0.27   0.390
  CA-8                      91.02       0.00       0.00      52.69       0.00
28.03      28.03        0.46     0.03   0.308
  CA-9                      91.02       0.00       0.00      45.06       0.00
35.04      35.04        1.99     0.12   0.385
  EX-1                      91.02       0.00       0.00      45.06       0.00
28.08      28.08        7.05     0.24   0.309
  EX-2                      91.02       0.00       0.00      43.86       0.00
31.98      31.98        5.02     0.20   0.351
  EX-3                      91.02       0.00       0.00      46.23       0.00
37.23      37.23        0.45     0.08   0.409
  EX-4                      91.02       0.00       0.00      40.09       0.00
43.76      43.76        0.75     0.14   0.481


  ************************
  LID Performance Summary
  ************************

  ------------------------------------------------------------------------------
----------------------------------
                                      Total      Evap     Infil   Surface
Drain    Initial     Final  Continuity
                                     Inflow      Loss      Loss   Outflow
Outflow   Storage   Storage       Error
  Subcatchment      LID Control           mm        mm        mm        mm
mm        mm        mm           %
  ------------------------------------------------------------------------------
----------------------------------
  CA-1              LID-CA-1            518.87      0.00      0.00    121.02
98.83     14.10    313.15       -0.01
  CA-2              LID-CA-2           2028.76      0.00      0.00   1612.90
101.08     14.10    328.95       -0.00
  CA-3              LID-CA-3            675.09      0.00      0.00    275.03
100.14     14.10    314.03       -0.00

  Analysis begun on:  Fri Nov  6 15:55:13 2026
  Analysis ended on:  Fri Nov  6 15:55:13 2026
  Total elapsed time: < 1 sec
```

PCSWMM Post-Development Climate Change Model - 1:25 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Climate Change Model

  *************
  Element Count
  *************
  Number of rain gages ...... 6
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ---------------------------------------------------------------------------
  100yr_24hr_SCS_Type_II_129.74mm_CC 100yr_24hr_SCS_Type_II_129.74mm_CC INTENSITY
15 min.
  10yr_24hr_SCS_Type_II_91.02mm_CC 10yr_24hr_SCS_Type_II_91.02mm_CC INTENSITY   15
min.
  25yr_24hr_SCS_Type_II_105.54mm_CC 25yr_24hr_SCS_Type_II_105.54mm_CC INTENSITY
15 min.
  2yr_24hr_SCS_Type_II_60.57mm_CC 2yr_24hr_SCS_Type_II_60.57mm_CC INTENSITY   15
min.
  50yr_24hr_SCS_Type_II_116.84mm_CC 50yr_24hr_SCS_Type_II_116.84mm_CC INTENSITY
15 min.
  5yr_24hr_SCS_Type_II_79.3mm_CC 5yr_24hr_SCS_Type_II_79.3mm_CC INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
25yr_24hr_SCS_Type_II_105.54mm_CC OF-2
  CA-2                        26.09    401.46      8.00    0.8500
25yr_24hr_SCS_Type_II_105.54mm_CC OF-1
  CA-3                         3.42    136.98     13.00    1.7820
25yr_24hr_SCS_Type_II_105.54mm_CC OF-1
  CA-4                        49.75    284.28      0.00    2.0000
25yr_24hr_SCS_Type_II_105.54mm_CC OF-2
  CA-5                        22.94    902.67      0.00    2.0000
25yr_24hr_SCS_Type_II_105.54mm_CC OF-3
  CA-6                         5.07    337.85      0.00    2.0000
25yr_24hr_SCS_Type_II_105.54mm_CC OF-1
  CA-7                        11.56    385.26      0.00    1.5000
25yr_24hr_SCS_Type_II_105.54mm_CC OF-4
  CA-8                         1.63    108.91      0.00    1.0000
25yr_24hr_SCS_Type_II_105.54mm_CC OF-5
```

CA-9	5.67	141.63	0.00	2.0000	25yr_24hr_SCS_Type_II_105.54mm_CC OF-5
EX-1	25.12	279.07	0.00	1.0000	25yr_24hr_SCS_Type_II_105.54mm_CC OF-2
EX-2	15.71	241.65	0.00	1.0000	25yr_24hr_SCS_Type_II_105.54mm_CC OF-5
EX-3	1.20	120.37	0.00	2.0000	25yr_24hr_SCS_Type_II_105.54mm_CC OF-5
EX-4	1.72	143.65	0.00	1.5000	25yr_24hr_SCS_Type_II_105.54mm_CC OF-5

****
LID Control Summary
****

Subcatchment	LID Control	No. of Units	Unit Area	Unit Width	% Area Covered	% Imperv Treated	% Perv Treated
CA-1	LID-CA-1	1	4256.00	15.20	8.24	100.00	100.00
CA-2	LID-CA-2	1	4256.00	15.20	1.63	100.00	100.00
CA-3	LID-CA-3	1	2128.00	15.20	6.21	100.00	100.00

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670

0.8117 0.8571 0.9034 0.9511 1.0000

Hrad:

0.0282 0.0605 0.0901 0.1160 0.1383
0.1640 0.1924 0.2246 0.2593 0.2934
0.3249 0.3547 0.3763 0.3976 0.4236
0.4513 0.4804 0.5094 0.5390 0.5685
0.5965 0.6225 0.6436 0.6476 0.6408
0.6242 0.6080 0.5923 0.3098 0.3537
0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000

Width:

0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4

Area:

0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000

Hrad:

0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000

Width:

0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201

```
            0.9327     0.9476     0.9645     0.9829     1.0000

Transect 5
Area:
            0.0006     0.0022     0.0048     0.0085     0.0130
            0.0180     0.0237     0.0300     0.0371     0.0448
            0.0529     0.0614     0.0705     0.0802     0.0904
            0.1013     0.1126     0.1244     0.1367     0.1494
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Initial LID Storage	0.015	0.086
Total Precipitation	18.475	105.540
Evaporation Loss	0.000	0.000
Infiltration Loss	9.209	52.610
Surface Runoff	5.841	33.370
LID Drainage	0.110	0.628
Final Storage	3.342	19.094
Continuity Error (%)	-0.072	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	5.941	59.412
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	5.941	59.412
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Precip mm	Runon mm	Total Evap mm	Total Infil mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff	Imperv Runoff mm	Perv Runoff mm
CA-1	105.54	0.00	0.00	44.91	10.42	1.49	0.14	0.273	28.78	44.84
CA-2	105.54	0.00	0.00	48.50	8.32	9.90	0.53	0.359	37.94	41.39
CA-3	105.54	0.00	0.00	45.73	12.88	1.16	0.15	0.321	33.92	46.05
CA-4	105.54	0.00	0.00	53.59	0.00	13.55	0.39	0.258	27.23	27.23
CA-5	105.54	0.00	0.00	69.99	0.00	5.03	0.20	0.208	21.94	21.94
CA-6	105.54	0.00	0.00	53.59	0.00	2.16	0.26	0.404	42.60	42.60

```
  CA-7                      105.54       0.00       0.00      48.35       0.00
46.19      46.19        5.34     0.42   0.438
  CA-8                      105.54       0.00       0.00      57.25       0.00
37.54      37.54        0.61     0.05   0.356
  CA-9                      105.54       0.00       0.00      48.35       0.00
45.70      45.70        2.59     0.18   0.433
  EX-1                      105.54       0.00       0.00      48.35       0.00
37.83      37.83        9.50     0.35   0.358
  EX-2                      105.54       0.00       0.00      46.98       0.00
42.34      42.34        6.65     0.30   0.401
  EX-3                      105.54       0.00       0.00      49.70       0.00
48.05      48.05        0.58     0.11   0.455
  EX-4                      105.54       0.00       0.00      42.67       0.00
55.45      55.45        0.96     0.19   0.525


  ************************
  LID Performance Summary
  ************************

  ------------------------------------------------------------------------------
----------------------------------
                                       Total      Evap     Infil   Surface
Drain    Initial     Final  Continuity
                                      Inflow      Loss      Loss   Outflow
Outflow   Storage   Storage       Error
  Subcatchment      LID Control            mm        mm        mm        mm
mm        mm        mm           %
  ------------------------------------------------------------------------------
----------------------------------
  CA-1              LID-CA-1            649.70      0.00      0.00    246.86
102.41     14.10    314.55       -0.00
  CA-2              LID-CA-2           2643.02      0.00      0.00   2221.92
104.25     14.10    331.03       -0.00
  CA-3              LID-CA-3            846.57      0.00      0.00    442.50
103.34     14.10    314.85       -0.00

  Analysis begun on:  Fri Nov  6 15:56:05 2026
  Analysis ended on:  Fri Nov  6 15:56:05 2026
  Total elapsed time: < 1 sec
```

PCSWMM Post-Development Climate Change Model - 1:50 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Climate Change Model

  *************
  Element Count
  *************
  Number of rain gages ...... 6
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                        Data       Recording
  Name                 Data Source                      Type       Interval
  ----------------------------------------------------------------------------
  100yr_24hr_SCS_Type_II_129.74mm_CC 100yr_24hr_SCS_Type_II_129.74mm_CC INTENSITY
15 min.
  10yr_24hr_SCS_Type_II_91.02mm_CC 10yr_24hr_SCS_Type_II_91.02mm_CC INTENSITY   15
min.
  25yr_24hr_SCS_Type_II_105.54mm_CC 25yr_24hr_SCS_Type_II_105.54mm_CC INTENSITY
15 min.
  2yr_24hr_SCS_Type_II_60.57mm_CC 2yr_24hr_SCS_Type_II_60.57mm_CC INTENSITY   15
min.
  50yr_24hr_SCS_Type_II_116.84mm_CC 50yr_24hr_SCS_Type_II_116.84mm_CC INTENSITY
15 min.
  5yr_24hr_SCS_Type_II_79.3mm_CC 5yr_24hr_SCS_Type_II_79.3mm_CC INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
50yr_24hr_SCS_Type_II_116.84mm_CC OF-2
  CA-2                        26.09    401.46      8.00    0.8500
50yr_24hr_SCS_Type_II_116.84mm_CC OF-1
  CA-3                         3.42    136.98     13.00    1.7820
50yr_24hr_SCS_Type_II_116.84mm_CC OF-1
  CA-4                        49.75    284.28      0.00    2.0000
50yr_24hr_SCS_Type_II_116.84mm_CC OF-2
  CA-5                        22.94    902.67      0.00    2.0000
50yr_24hr_SCS_Type_II_116.84mm_CC OF-3
  CA-6                         5.07    337.85      0.00    2.0000
50yr_24hr_SCS_Type_II_116.84mm_CC OF-1
  CA-7                        11.56    385.26      0.00    1.5000
50yr_24hr_SCS_Type_II_116.84mm_CC OF-4
  CA-8                         1.63    108.91      0.00    1.0000
50yr_24hr_SCS_Type_II_116.84mm_CC OF-5
```

CA-9	5.67	141.63	0.00	2.0000	50yr_24hr_SCS_Type_II_116.84mm_CC OF-5
EX-1	25.12	279.07	0.00	1.0000	50yr_24hr_SCS_Type_II_116.84mm_CC OF-2
EX-2	15.71	241.65	0.00	1.0000	50yr_24hr_SCS_Type_II_116.84mm_CC OF-5
EX-3	1.20	120.37	0.00	2.0000	50yr_24hr_SCS_Type_II_116.84mm_CC OF-5
EX-4	1.72	143.65	0.00	1.5000	50yr_24hr_SCS_Type_II_116.84mm_CC OF-5

****
LID Control Summary
****

Subcatchment	LID Control	No. of Units	Unit Area	Unit Width	% Area Covered	% Imperv Treated	% Perv Treated
CA-1	LID-CA-1	1	4256.00	15.20	8.24	100.00	100.00
CA-2	LID-CA-2	1	4256.00	15.20	1.63	100.00	100.00
CA-3	LID-CA-3	1	2128.00	15.20	6.21	100.00	100.00

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670

0.8117 0.8571 0.9034 0.9511 1.0000

Hrad:

0.0282 0.0605 0.0901 0.1160 0.1383
0.1640 0.1924 0.2246 0.2593 0.2934
0.3249 0.3547 0.3763 0.3976 0.4236
0.4513 0.4804 0.5094 0.5390 0.5685
0.5965 0.6225 0.6436 0.6476 0.6408
0.6242 0.6080 0.5923 0.3098 0.3537
0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000

Width:

0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4

Area:

0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000

Hrad:

0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000

Width:

0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201

```
            0.9327     0.9476     0.9645     0.9829     1.0000

Transect 5
Area:
            0.0006     0.0022     0.0048     0.0085     0.0130
            0.0180     0.0237     0.0300     0.0371     0.0448
            0.0529     0.0614     0.0705     0.0802     0.0904
            0.1013     0.1126     0.1244     0.1367     0.1494
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Initial LID Storage	0.015	0.086
Total Precipitation	20.452	116.837
Evaporation Loss	0.000	0.000
Infiltration Loss	9.696	55.391
Surface Runoff	7.164	40.924
LID Drainage	0.112	0.642
Final Storage	3.510	20.053
Continuity Error (%)	-0.075	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	7.265	72.647
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	7.265	72.647
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Precip mm	Runon mm	Evap mm	Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
CA-1	116.84	0.00	0.00	47.28	11.53	52.61	37.41	1.93	0.23	0.320
CA-2	116.84	0.00	0.00	51.00	9.21	49.37	46.08	12.03	0.69	0.394
CA-3	116.84	0.00	0.00	48.21	14.26	53.95	42.49	1.46	0.26	0.364
CA-4	116.84	0.00	0.00	56.35	0.00	33.98	33.98	16.90	0.51	0.291
CA-5	116.84	0.00	0.00	74.79	0.00	27.95	27.95	6.41	0.29	0.239
CA-6	116.84	0.00	0.00	56.35	0.00	50.88	50.88	2.58	0.35	0.435

```
  CA-7                      116.84       0.00       0.00      50.60       0.00
54.87      54.87        6.34     0.56   0.470
  CA-8                      116.84       0.00       0.00      60.41       0.00
45.34      45.34        0.74     0.06   0.388
  CA-9                      116.84       0.00       0.00      50.60       0.00
54.35      54.35        3.08     0.25   0.465
  EX-1                      116.84       0.00       0.00      50.60       0.00
45.85      45.85       11.52     0.46   0.392
  EX-2                      116.84       0.00       0.00      49.09       0.00
50.78      50.78        7.98     0.39   0.435
  EX-3                      116.84       0.00       0.00      52.07       0.00
56.80      56.80        0.68     0.14   0.486
  EX-4                      116.84       0.00       0.00      44.41       0.00
64.84      64.84        1.12     0.24   0.555


  ************************
  LID Performance Summary
  ************************

  ------------------------------------------------------------------------------
----------------------------------
                                        Total      Evap     Infil   Surface
Drain    Initial     Final  Continuity
                                       Inflow      Loss      Loss   Outflow
Outflow   Storage   Storage       Error
  Subcatchment      LID Control             mm        mm        mm        mm
mm        mm        mm           %
  ------------------------------------------------------------------------------
----------------------------------
  CA-1              LID-CA-1             755.24      0.00      0.00    349.18
104.78     14.10    315.40       -0.00
  CA-2              LID-CA-2            3143.93      0.00      0.00   2719.07
106.52     14.10    332.52       -0.00
  CA-3              LID-CA-3             985.03      0.00      0.00    577.96
105.79     14.10    315.40       -0.00

  Analysis begun on:  Fri Nov  6 15:56:46 2026
  Analysis ended on:  Fri Nov  6 15:56:46 2026
  Total elapsed time: < 1 sec
```

PCSWMM Post-Development Climate Change Model - 1:100 Year 24 Hour Design Storm Results

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  Climate Change Model

  *************
  Element Count
  *************
  Number of rain gages ...... 6
  Number of subcatchments ... 13
  Number of nodes ........... 6
  Number of links ........... 0
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                      Data       Recording
  Name                 Data Source                    Type       Interval
  ----------------------------------------------------------------------
  100yr_24hr_SCS_Type_II_129.74mm_CC 100yr_24hr_SCS_Type_II_129.74mm_CC INTENSITY
15 min.
  10yr_24hr_SCS_Type_II_91.02mm_CC 10yr_24hr_SCS_Type_II_91.02mm_CC INTENSITY   15
min.
  25yr_24hr_SCS_Type_II_105.54mm_CC 25yr_24hr_SCS_Type_II_105.54mm_CC INTENSITY
15 min.
  2yr_24hr_SCS_Type_II_60.57mm_CC 2yr_24hr_SCS_Type_II_60.57mm_CC INTENSITY   15
min.
  50yr_24hr_SCS_Type_II_116.84mm_CC 50yr_24hr_SCS_Type_II_116.84mm_CC INTENSITY
15 min.
  5yr_24hr_SCS_Type_II_79.3mm_CC 5yr_24hr_SCS_Type_II_79.3mm_CC INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage
Outlet
  ------------------------------------------------------------------------------
--------------------------
  CA-1                         5.16    147.56     10.74    2.2600
100yr_24hr_SCS_Type_II_129.74mm_CC OF-2
  CA-2                        26.09    401.46      8.00    0.8500
100yr_24hr_SCS_Type_II_129.74mm_CC OF-1
  CA-3                         3.42    136.98     13.00    1.7820
100yr_24hr_SCS_Type_II_129.74mm_CC OF-1
  CA-4                        49.75    284.28      0.00    2.0000
100yr_24hr_SCS_Type_II_129.74mm_CC OF-2
  CA-5                        22.94    902.67      0.00    2.0000
100yr_24hr_SCS_Type_II_129.74mm_CC OF-3
  CA-6                         5.07    337.85      0.00    2.0000
100yr_24hr_SCS_Type_II_129.74mm_CC OF-1
  CA-7                        11.56    385.26      0.00    1.5000
100yr_24hr_SCS_Type_II_129.74mm_CC OF-4
  CA-8                         1.63    108.91      0.00    1.0000
100yr_24hr_SCS_Type_II_129.74mm_CC OF-5
```

CA-9	5.67	141.63	0.00	2.0000	100yr_24hr_SCS_Type_II_129.74mm_CC OF-5
EX-1	25.12	279.07	0.00	1.0000	100yr_24hr_SCS_Type_II_129.74mm_CC OF-2
EX-2	15.71	241.65	0.00	1.0000	100yr_24hr_SCS_Type_II_129.74mm_CC OF-5
EX-3	1.20	120.37	0.00	2.0000	100yr_24hr_SCS_Type_II_129.74mm_CC OF-5
EX-4	1.72	143.65	0.00	1.5000	100yr_24hr_SCS_Type_II_129.74mm_CC OF-5

****
LID Control Summary
****

Subcatchment	LID Control	No. of Units	Unit Area	Unit Width	% Area Covered	% Imperv Treated	% Perv Treated
CA-1	LID-CA-1	1	4256.00	15.20	8.24	100.00	100.00
CA-2	LID-CA-2	1	4256.00	15.20	1.63	100.00	100.00
CA-3	LID-CA-3	1	2128.00	15.20	6.21	100.00	100.00

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
J_Dummy	JUNCTION	1.00	1.00	0.0	
OF-1	OUTFALL	134.84	0.00	0.0	
OF-2	OUTFALL	0.00	0.00	0.0	
OF-3	OUTFALL	133.92	0.00	0.0	
OF-4	OUTFALL	133.99	0.00	0.0	
OF-5	OUTFALL	133.99	0.00	0.0	

****
Transect Summary
****

Transect 3
Area:

0.0004	0.0014	0.0028	0.0045	0.0067
0.0093	0.0122	0.0155	0.0191	0.0228
0.0267	0.0309	0.0354	0.0402	0.0453
0.0507	0.0564	0.0623	0.0685	0.0748
0.0814	0.0883	0.0954	0.1030	0.1123
0.1257	0.1418	0.1604	0.1864	0.2166
0.2472	0.2782	0.3096	0.3415	0.3745
0.4099	0.4466	0.4841	0.5219	0.5610
0.6010	0.6416	0.6827	0.7242	0.7670

0.8117 0.8571 0.9034 0.9511 1.0000

Hrad:

0.0282 0.0605 0.0901 0.1160 0.1383
0.1640 0.1924 0.2246 0.2593 0.2934
0.3249 0.3547 0.3763 0.3976 0.4236
0.4513 0.4804 0.5094 0.5390 0.5685
0.5965 0.6225 0.6436 0.6476 0.6408
0.6242 0.6080 0.5923 0.3098 0.3537
0.3982 0.4428 0.4867 0.5236 0.5521
0.5601 0.5973 0.6386 0.6790 0.7029
0.7409 0.7798 0.8208 0.8608 0.8623
0.8950 0.9291 0.9584 0.9754 1.0000

Width:

0.0154 0.0231 0.0302 0.0379 0.0469
0.0549 0.0619 0.0672 0.0714 0.0754
0.0798 0.0845 0.0911 0.0980 0.1037
0.1089 0.1137 0.1185 0.1230 0.1274
0.1321 0.1372 0.1434 0.1539 0.2286
0.2940 0.3355 0.4032 0.5871 0.5974
0.6056 0.6131 0.6206 0.6363 0.6619
0.7142 0.7299 0.7399 0.7503 0.7792
0.7919 0.8032 0.8120 0.8214 0.8686
0.8856 0.9009 0.9205 0.9523 1.0000

Transect 4

Area:

0.0009 0.0037 0.0081 0.0132 0.0187
0.0245 0.0309 0.0377 0.0450 0.0527
0.0608 0.0692 0.0780 0.0873 0.0970
0.1072 0.1181 0.1295 0.1415 0.1545
0.1685 0.1832 0.1982 0.2136 0.2294
0.2456 0.2622 0.2791 0.2964 0.3142
0.3324 0.3525 0.3766 0.4016 0.4272
0.4536 0.4810 0.5105 0.5421 0.5770
0.6148 0.6547 0.6954 0.7368 0.7789
0.8217 0.8651 0.9093 0.9542 1.0000

Hrad:

0.0278 0.0432 0.0799 0.1173 0.1539
0.1883 0.2190 0.2465 0.2786 0.3113
0.3414 0.3719 0.4008 0.4270 0.4509
0.4698 0.4893 0.5100 0.5252 0.5304
0.5421 0.5702 0.6010 0.6319 0.6621
0.6921 0.7219 0.7512 0.7788 0.8047
0.8261 0.7902 0.7098 0.7346 0.7597
0.7857 0.7831 0.7826 0.7481 0.7434
0.7297 0.7548 0.7875 0.8200 0.8508
0.8844 0.9155 0.9444 0.9716 1.0000

Width:

0.0348 0.0872 0.1037 0.1142 0.1229
0.1319 0.1423 0.1544 0.1628 0.1704
0.1789 0.1868 0.1952 0.2047 0.2153
0.2284 0.2415 0.2540 0.2697 0.2917
0.3115 0.3217 0.3300 0.3381 0.3464
0.3546 0.3627 0.3708 0.3797 0.3894
0.4014 0.5001 0.5320 0.5482 0.5642
0.5793 0.6168 0.6556 0.7294 0.7820
0.8498 0.8747 0.8894 0.9040 0.9201

```
            0.9327     0.9476     0.9645     0.9829     1.0000

Transect 5
Area:
            0.0006     0.0022     0.0048     0.0085     0.0130
            0.0180     0.0237     0.0300     0.0371     0.0448
            0.0529     0.0614     0.0705     0.0802     0.0904
            0.1013     0.1126     0.1244     0.1367     0.1494
            0.1627     0.1765     0.1907     0.2055     0.2210
            0.2371     0.2536     0.2710     0.2896     0.3093
            0.3311     0.3546     0.3796     0.4059     0.4339
            0.4629     0.4931     0.5242     0.5566     0.5907
            0.6263     0.6635     0.7024     0.7431     0.7845
            0.8263     0.8687     0.9117     0.9555     1.0000
Hrad:
            0.0249     0.0481     0.0682     0.0921     0.1224
            0.1531     0.1775     0.1996     0.2259     0.2539
            0.2841     0.3125     0.3374     0.3595     0.3818
            0.4078     0.4356     0.4616     0.4873     0.5113
            0.5357     0.5618     0.5858     0.6032     0.6237
            0.6480     0.6683     0.6732     0.6682     0.6890
            0.6526     0.6499     0.6622     0.6655     0.6819
            0.7005     0.7211     0.7402     0.7515     0.7588
            0.7712     0.7826     0.7933     0.8085     0.8460
            0.8819     0.9154     0.9424     0.9722     1.0000
Width:
            0.0249     0.0459     0.0708     0.0927     0.1065
            0.1179     0.1333     0.1505     0.1642     0.1760
            0.1856     0.1958     0.2080     0.2219     0.2358
            0.2471     0.2570     0.2678     0.2785     0.2901
            0.3014     0.3115     0.3227     0.3377     0.3512
            0.3625     0.3760     0.3990     0.4299     0.4547
            0.5041     0.5426     0.5704     0.6075     0.6340
            0.6585     0.6815     0.7060     0.7387     0.7769
            0.8108     0.8469     0.8847     0.9186     0.9269
            0.9365     0.9486     0.9672     0.9826     1.0000


****************
Analysis Options
****************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Surcharge Method .........  EXTRAN
Starting Date ............  07/15/2026 00:00:00
Ending Date ..............  07/16/2026 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:05:00
Dry Time Step ............  00:05:00
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Initial LID Storage	0.015	0.086
Total Precipitation	22.711	129.740
Evaporation Loss	0.000	0.000
Infiltration Loss	10.198	58.259
Surface Runoff	8.743	49.943
LID Drainage	0.115	0.659
Final Storage	3.688	21.066
Continuity Error (%)	-0.078	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	8.845	88.449
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	8.845	88.449
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.000	0.000
Continuity Error (%)	0.000	

Subcatchment Runoff Summary

Subcatchment	Precip mm	Runon mm	Total Evap mm	Total Infil mm	Total Runoff mm	Total Runoff 10^6 ltr	Total Runoff CMS	Peak Runoff	Runoff Coeff	Perv mm	Imperv mm
CA-1	129.74	0.00	0.00	49.72	12.81	2.46	0.33	0.367	0.476	61.76	47.56
CA-2	129.74	0.00	0.00	53.57	10.23	14.54	0.92	0.430	0.430	58.83	55.72
CA-3	129.74	0.00	0.00	50.76	15.84	1.80	0.31	0.405	0.488	63.26	52.56
CA-4	129.74	0.00	0.00	59.19	0.00	20.98	0.67	0.325	0.325	42.18	42.18
CA-5	129.74	0.00	0.00	79.87	0.00	8.09	0.41	0.272	0.272	35.24	35.24
CA-6	129.74	0.00	0.00	59.19	0.00	3.07	0.46	0.468	0.468	60.67	60.67

```
  CA-7                      129.74       0.00       0.00      52.87       0.00
65.08      65.08        7.52     0.74   0.502
  CA-8                      129.74       0.00       0.00      63.69       0.00
54.60      54.60        0.89     0.09   0.421
  CA-9                      129.74       0.00       0.00      52.87       0.00
64.52      64.52        3.66     0.33   0.497
  EX-1                      129.74       0.00       0.00      52.87       0.00
55.39      55.39       13.91     0.60   0.427
  EX-2                      129.74       0.00       0.00      51.23       0.00
60.75      60.75        9.54     0.51   0.468
  EX-3                      129.74       0.00       0.00      54.49       0.00
67.11      67.11        0.81     0.18   0.517
  EX-4                      129.74       0.00       0.00      46.15       0.00
75.81      75.81        1.31     0.30   0.584


  ************************
  LID Performance Summary
  ************************

  ------------------------------------------------------------------------------
----------------------------------
                                       Total      Evap     Infil   Surface
Drain    Initial     Final  Continuity
                                      Inflow      Loss      Loss   Outflow
Outflow   Storage   Storage       Error
  Subcatchment      LID Control             mm        mm        mm        mm
mm        mm        mm           %
  ------------------------------------------------------------------------------
----------------------------------
  CA-1              LID-CA-1            879.18      0.00      0.00    469.52
107.54     14.10    316.23       -0.00
  CA-2              LID-CA-2           3736.55      0.00      0.00   3307.40
109.24     14.10    334.10       -0.00
  CA-3              LID-CA-3           1147.76      0.00      0.00    737.34
108.56     14.10    315.97       -0.00

  Analysis begun on:  Fri Nov  6 15:57:27 2026
  Analysis ended on:  Fri Nov  6 15:57:27 2026
  Total elapsed time: < 1 sec
```