# PRELIMINARY HYDROLOGY CALCULATIONS

FOR

MORENO VALLEY LOGISTICS CENTER
INDIAN STREET AND KRAMERIA AVENUE
MORENO VALLEY, CALIFORNIA 92551
APN's 316-100-028, -030, -048, -051, & -052

PREPARED FOR

PROLOGIS, INC.
17777 CENTER COURT DRIVE NORTH, SUITE 100
CERRITOS, CA 90703
PH. (562) 345-9200
FAX (562) 345-9201

OCTOBER 30, 2014
REVISED MARCH 10, 2016

JOB NO. 2890

PREPARED BY

THIENES ENGINEERING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
P. (714) 521-4811
FAX. (714) 521-4173

# PRELIMINARY HYDROLOGY CALCULATIONS

# FOR

# MORENO VALLEY LOGISTICS CENTER

PREPARED BY BRIAN WEIL
UNDER THE SUPERVISION OF

REINHARD STENZEL DATE:
R.C.E. 56155
EXP. 12/31/16

# INTRODUCTION

## A: PROJECT LOCATION

The project site is located at the northwest corner of Indian Street and Krameria Avenue in the City of Moreno Valley, California. Please see next page for vicinity map.

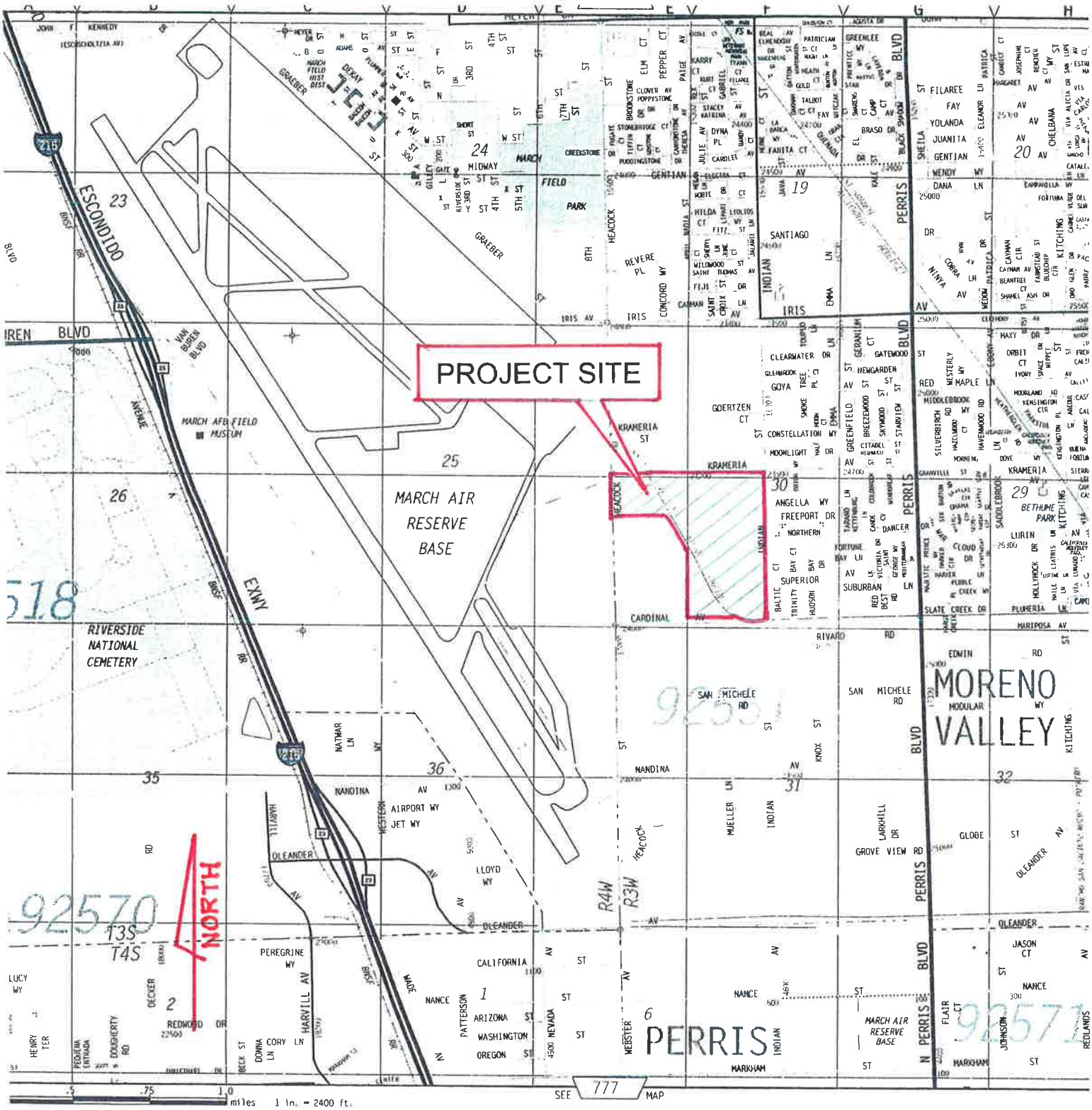
## B: STUDY PURPOSE

The purpose of this study is to determine the 100-year peak flow rates from the project site that will ultimately drain to the Perris Valley Storm Drain Channel.

## C: PROJECT STAFF:

Thienes Engineering staff involved in this study include:

Reinhard Stenzel
Brian Weil
Ricky Hwa




# VICINITY MAP

NOT TO SCALE

## DISCUSSION

The overall project property encompasses approximately 84.8 acres. Proposed improvements to the site consist of the construction of four commercial type buildings ranging from 94,000 to 1,334,000 square feet. There will be truck yards and vehicle parking lots adjacent to each building. There will be several water quality / detention basins: Basins 4 and 5 south of Building 1, Basin 3 west of Building 1, Basin 2 south of Building 2, Basin 6 east of Building 3 and Basin 1 east of Building 4. The existing Cosmos Street will be extended southerly between Buildings 1 and 2. The remainder of the project site will be reserved for landscaping.

### Existing Conditions

The Perris Valley Channel, Lateral "A" traverses southeasterly between Buildings 3 & 4 on the westerly side and Buildings 1 & 2 on the easterly side. The channel is a graded earthen trapezoidal channel with a base width of 100', 2:1 sideslopes and 8' deep. The 100-year design capacity is 5,900 cfs. This is consistent with the Perris Valley Master Drainage Plan. The channel was "as built" in August, 1996. Additional improvements upstream of the project site at Heacock Avenue were recently constructed. Here, the culvert at Heacock Avenue was improved to also convey the design peak flow rate of 5,900 cfs.

The Building 1 and Building 2 sites are part of the Sunnymead Master Plan of Drainage while the Building 3 and Building 4 sites are part of the Perris Valley Master plan of Drainage. All sites are ultimately tabled to the Perris Valley Channel, Lateral "A".

See Appendix "A" for reference storm drain plans and Master Plan of Drainage maps.

Areas of the project site southwesterly of the Channel is located in located with flood Zone X (shaded). The portions of the project site northeasterly of the Channel is located within flood Zone AO (shaded) and Zone X (shaded), per FIRM numbers 06065C0765G and 06065C1430G, dated August 28, 2008 (included in Appendix "A"). A CLORM is in process upstream of the project site that will ultimately remove the southwesterly portion of the site entirely from any flood zones. Flood zones on the northeasterly portion of the site are slightly altered, but will remain. Future improvements to the Heacock Channel, expected to advertise 3rd quarter of 2016, would likely eliminate flood issues outside of the Channel.

A separate CLOMR for the project site would be necessary to determine current flood zones through the site with the proposed improvements.

The project site consists of several undeveloped dirt lots. Runoff generally surface drains south-easterly and into the Perris Valley Storm Drain Channel. The existing condition 100-year peak flow rate for the entire project site is approximately 76.5 cfs (9.6 at Node 101 + 60.8 cfs at Node 235 + 6.1 cfs at Node 302).

See Appendix "B" for existing condition hydrology calculations and Appendix "E" for existing condition hydrology map.

Proposed Condition

*Building 1 Lot (62.60 acres):*

Runoff from the east half of Building 1, the building's easterly truck yard, and the east half of the northerly parking lot (Nodes 100-106, 27.30 acres) drains to catch basins in the easterly truck yard. It is then conveyed southerly via a proposed storm drain to Basin4. The 100-year peak flow rate for this area is approximately 55.3 cfs.

Runoff from the west half of Building 1, the building's southerly and westerly truck yards, and the west half of the northerly parking lot (Nodes 110-117, 30.85 acres) drains to catch basins in the southerly truck yard. It is then conveyed southerly via a proposed storm drain to Basin 5. Basin 5 also accepts runoff from Basin 3 (0.75-acre water quality only basin for the northwest quarter of the Building 1 Lot) and the offsite dirt lot to the west (2.40 acres). The 100-year peak flow rate for this area is approximately 67.9 cfs.

The total 100-year peak flow rate tributary to Basins "A1" and "A2" (61.55 acres) is approximately 122.1 cfs. Basin 5 discharges to Basin 4, which discharges into the Perris Valley Storm Drain Channel via a proposed storm drain at the Building 1 Lot's southeast corner.

The landscape areas fronting Indian Street, Krameria Avenue and the southern extension of Cosmos Street (3.70 acres total) surface drain to their respective streets.

*Building 2 Lot (6.95 acres):*

Runoff from Building 2, the building's westerly truck yard, easterly parking lot, and the southerly drive aisle (Nodes 200-202, 6.95 acres) drains to a catch basin in the southerly drive aisle. It is then conveyed southerly via a proposed storm drain to Basin 2. The total 100-year peak flow rate tributary to Basin 2 is approximately 15.8 cfs. Basin 2 discharges into the Perris Valley Storm Drain Channel via a proposed storm drain at the Building 2 Lot's southwest corner.

*Building 3 Lot (6.60 acres):*

Runoff from Building 3, the building's northerly and easterly truck yards, and the building's southerly and westerly parking lots (Nodes 300-313, 6.25 acres) drains to catch basins in the truck yards and parking lots. It is then conveyed easterly via a proposed storm drain to Basin 6. The 100-year peak flow rate tributary to Basin 6 is approximately 15.8 cfs. Basin 6 discharges into the Perris Valley Storm Drain Channel via a proposed storm drain at the Building 3 Lot's southeast corner.

The landscape area adjacent to the southerly property line and a portion of the driveway of the Building 3 Lot (0.35 acres) surface drains to Cardinal Avenue.

*Building 4 Lot (8.65 acres):*

Runoff from Building 4, the building's easterly truck yard, northerly and southerly parking lots (Nodes 400-402, 8.65 acres) drains to catch basins in the truck yard. It is then conveyed easterly to Basin 1. The 100-year peak flow rate tributary to Basin 1 is approximately 20.7 cfs. Basin 1 discharges into the Perris Valley Storm Drain Channel via a proposed storm drain at the Building 4 Lot's southeast corner.

Please see Appendix "B" for proposed condition hydrology calculations and Appendix "E" for proposed condition hydrology map.

Detention

Detention basins are proposed for the project site for both water quality purposes as well as peak flow mitigation. Existing and proposed condition volumes were calculated for the 3-hour, 6-hour and 24-hour events for 2-, 5-, 10-, and 100-year storms. For preliminary sizing, the largest volume difference between existing and proposed condition for the listed events was used.

Hydrographs were set up for the proposed Buildings 1 through 4. For the existing condition, the same area was used for comparison purposes. In each case, the largest difference occurs with the 10-year 24-hour hydrograph. The following table summarizes required and provided volumes for detention basins:

| | Building 1 | Building 2 | Building 3 | Building 4 |
|---|---|---|---|---|
| Required Volume (ac-ft) | 7.28 | 0.82 | 0.74 | 1.03 |
| Provided Volume (ac-ft) | 14.53 | 1.11 | 0.92 | 1.63 |

The proposed water quality/detention basins have the capacity to store water quality volume and the difference between existing and proposed condition volumes for all considered storm events. Detention basin volumes are consistent with conceptual grading plan and Preliminary WQMP. Specific water quality features and designs are described and calculated separately in the WQMP.

Please see Appendix "D" for existing and proposed condition hydrographs and summary sheets for each building.

Methodology

Hydrology calculations are computed using Riverside County's Rational Method Program (by AES Software). The site is composed of soil type "C" per the Riverside County Hydrology Manual. Hydrographs were computed using the "short-cut" Method as described in the Riverside county Flood Control District's Hydrology Manual (Plates E-1.1 & E-2.1). Please see Appendix "A" for pertinent reference materials.

The following tables summarize the peak flow rates and volumes for all of the various hydrographs for each building.

# HYDROLOGIC SUMMARY
# HEACOCK STREET, INDIAN STREET AND CARDINAL AVENUE

| RATIONAL METHOD - BUILDING 1 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Existing - Node 235* | | | | Proposed - Node 118 | | | | Difference (Increase) | | | | |
| Peak Flow (cfs) | 53.8 | | | | 122.1 | | | | 68.3 | | | | |
| FLOOD HYDROGRAPH - BUILDING 1 | | | | | | | | | | | | | |
| | Existing | | | | Proposed | | | | Difference (Increase) | | | | |
| | 100-yr. | 10-yr. | 5-yr. | 2 yr. | 100-yr. | 10-yr. | 5-yr. | 2-yr. | 100-yr. | 10-yr. | 5-yr. | 2-yr. | |
| Peak Flow (cfs) | 26.1 | 6.9 | 1.8 | 1.3 | 31.4 | 17.7 | 12.4 | 7.4 | 5.3 | 10.8 | 10.6 | 6.1 | 24-hour |
| Peak Flow (cfs) | 94.8 | 53.1 | 28.4 | 11.8 | 101.0 | 65.6 | 50.9 | 34.3 | 6.2 | 12.5 | 22.5 | 22.5 | 6-hour |
| Peak Flow (cfs) | 106.5 | 61.5 | 37.1 | 18.9 | 112.6 | 74.1 | 59.6 | 41.4 | 6.1 | 12.6 | 22.5 | 22.5 | 3-hour |
| Total Runoff (ac-ft) | 9.48 | 1.59 | 1.12 | 0.81 | 16.13 | 8.87 | 6.34 | 4.40 | 6.65 | 7.28 | 5.22 | 3.59 | 24-hour |
| Total Runoff (ac-ft) | 8.50 | 2.72 | 1.10 | 0.56 | 11.49 | 6.38 | 4.01 | 3.14 | 2.99 | 3.66 | 2.91 | 2.58 | 6-hour |
| Total Runoff (ac-ft) | 7.53 | 2.70 | 1.22 | 0.62 | 9.04 | 5.45 | 3.88 | 2.40 | 1.51 | 2.75 | 2.66 | 1.78 | 3-hour |

| RATIONAL METHOD - BUILDING 2 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Existing - Node 232* | | | | Proposed - Node 202 | | | | Difference (Increase) | | | | |
| Peak Flow (cfs) | 7.0 | | | | 15.8 | | | | 8.8 | | | | |
| FLOOD HYDROGRAPH - BUILDING 2 | | | | | | | | | | | | | |
| | Existing | | | | Proposed | | | | Difference (Increase) | | | | |
| | 100-yr. | 10-yr. | 5-yr. | 2 yr. | 100-yr. | 10-yr. | 5-yr. | 2-yr. | 100-yr. | 10-yr. | 5-yr. | 2-yr. | |
| Peak Flow (cfs) | 2.9 | 0.8 | 0.2 | 0.2 | 3.5 | 2.0 | 1.4 | 0.8 | 0.6 | 1.2 | 1.2 | 0.6 | 24-hour |
| Peak Flow (cfs) | 10.7 | 6.0 | 3.2 | 1.3 | 11.4 | 7.4 | 5.8 | 3.9 | 0.7 | 1.4 | 2.6 | 2.6 | 6-hour |
| Peak Flow (cfs) | 12.0 | 6.9 | 4.2 | 2.1 | 12.7 | 8.4 | 6.7 | 4.7 | 0.7 | 1.5 | 2.5 | 2.6 | 3-hour |
| Total Runoff (ac-ft) | 1.07 | 0.18 | 0.13 | 0.09 | 1.82 | 1.00 | 0.72 | 0.50 | 0.75 | 0.82 | 0.59 | 0.41 | 24-hour |
| Total Runoff (ac-ft) | 0.96 | 0.31 | 0.12 | 0.06 | 1.30 | 0.72 | 0.45 | 0.35 | 0.34 | 0.41 | 0.33 | 0.29 | 6-hour |
| Total Runoff (ac-ft) | 0.85 | 0.30 | 0.14 | 0.07 | 1.02 | 0.62 | 0.44 | 0.27 | 0.17 | 0.32 | 0.30 | 0.20 | 3-hour |

*Prorated to match area of proposed condition

# HYDROLOGIC SUMMARY
# HEACOCK STREET, INDIAN STREET AND CARDINAL AVENUE

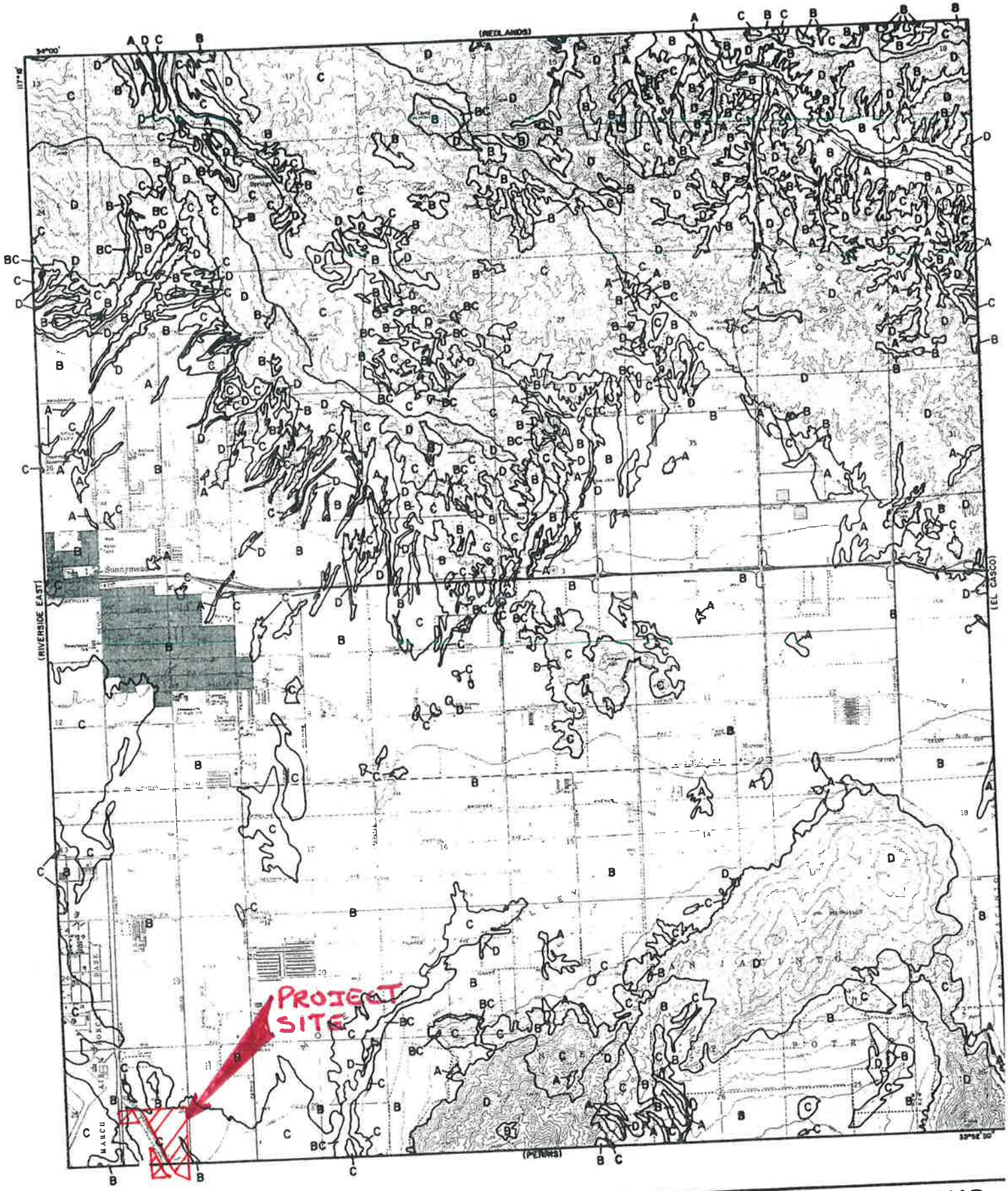
| RATIONAL METHOD - BUILDING 3 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Existing - Node 302 | | | | Proposed - Node 313 | | | | Difference (Increase) | | | | |
| Peak Flow (cfs) | 6.2 | | | | 15.8 | | | | 9.6 | | | | |
| FLOOD HYDROGRAPH - BUILDING 3 | | | | | | | | | | | | | |
| | Existing | | | | Proposed | | | | Difference (Increase) | | | | |
| | 100-yr. | 10-yr. | 5-yr. | 2 yr. | 100-yr. | 10-yr. | 5-yr. | 2-yr. | 100-yr. | 10-yr. | 5-yr. | 2-yr. | |
| Peak Flow (cfs) | 2.7 | 0.7 | 0.2 | 0.1 | 3.2 | 1.8 | 1.3 | 0.8 | 0.6 | 1.1 | 1.1 | 0.7 | 24-hour |
| Peak Flow (cfs) | 9.6 | 5.4 | 2.9 | 1.2 | 10.3 | 6.7 | 5.2 | 3.5 | 0.7 | 1.3 | 2.3 | 2.3 | 6-hour |
| Peak Flow (cfs) | 10.8 | 6.3 | 3.8 | 1.9 | 11.4 | 7.5 | 6.1 | 4.2 | 0.6 | 1.2 | 2.3 | 2.3 | 3-hour |
| Total Runoff (ac-ft) | 0.96 | 0.16 | 0.11 | 0.08 | 1.64 | 0.90 | 0.64 | 0.45 | 0.68 | 0.74 | 0.53 | 0.37 | 24-hour |
| Total Runoff (ac-ft) | 0.86 | 0.28 | 0.11 | 0.06 | 1.17 | 0.65 | 0.41 | 0.32 | 0.31 | 0.37 | 0.30 | 0.26 | 6-hour |
| Total Runoff (ac-ft) | 0.76 | 0.27 | 0.12 | 0.06 | 0.92 | 0.55 | 0.39 | 0.24 | 0.16 | 0.28 | 0.27 | 0.18 | 3-hour |

| RATIONAL METHOD - BUILDING 4 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Existing - Node 101 | | | | Proposed - Node 402 | | | | Difference (Increase) | | | | |
| Peak Flow (cfs) | 9.2 | | | | 20.7 | | | | 11.5 | | | | |
| FLOOD HYDROGRAPH - BUILDING 4 | | | | | | | | | | | | | |
| | Existing | | | | Proposed | | | | Difference (Increase) | | | | |
| | 100-yr. | 10-yr. | 5-yr. | 2 yr. | 100-yr. | 10-yr. | 5-yr. | 2-yr. | 100-yr. | 10-yr. | 5-yr. | 2-yr. | |
| Peak Flow (cfs) | 3.7 | 1.0 | 0.3 | 0.2 | 4.4 | 2.5 | 1.7 | 1.0 | 0.7 | 1.5 | 1.4 | 0.8 | 24-hour |
| Peak Flow (cfs) | 13.3 | 7.5 | 4.0 | 1.7 | 14.2 | 9.2 | 7.2 | 4.8 | 0.9 | 1.7 | 3.2 | 3.1 | 6-hour |
| Peak Flow (cfs) | 15.0 | 8.6 | 5.2 | 2.7 | 15.8 | 10.4 | 8.4 | 5.8 | 0.8 | 1.8 | 3.2 | 3.1 | 3-hour |
| Total Runoff (ac-ft) | 1.33 | 0.22 | 0.16 | 0.11 | 2.27 | 1.25 | 0.89 | 0.62 | 0.94 | 1.03 | 0.73 | 0.51 | 24-hour |
| Total Runoff (ac-ft) | 1.20 | 0.38 | 0.15 | 0.08 | 1.62 | 0.90 | 0.56 | 0.44 | 0.42 | 0.52 | 0.41 | 0.36 | 6-hour |
| Total Runoff (ac-ft) | 1.06 | 0.38 | 0.17 | 0.09 | 1.27 | 0.77 | 0.55 | 0.34 | 0.21 | 0.39 | 0.38 | 0.25 | 3-hour |

| APPENDIX | DESCRIPTION |
| --- | --- |
| A | REFERENCE MATERIALS |
| B | EXISTING CONDTION HYDROLOGY CALCULATIONS |
| C | PROPOSED CONDITION HYDROLOGY CALCULATIONS |
| D | DETENTION ANALYSIS |
| E | HYDROLOGY MAPS |

# APPENDIX A

# REFERENCE MATERIALS




**LEGEND**

—— SOILS GROUP BOUNDARY

A SOILS GROUP DESIGNATION

RCFC&WCD

HYDROLOGY MANUAL

N

0 FEET 5000

# HYDROLOGIC SOILS GROUP MAP FOR SUNNYMEAD

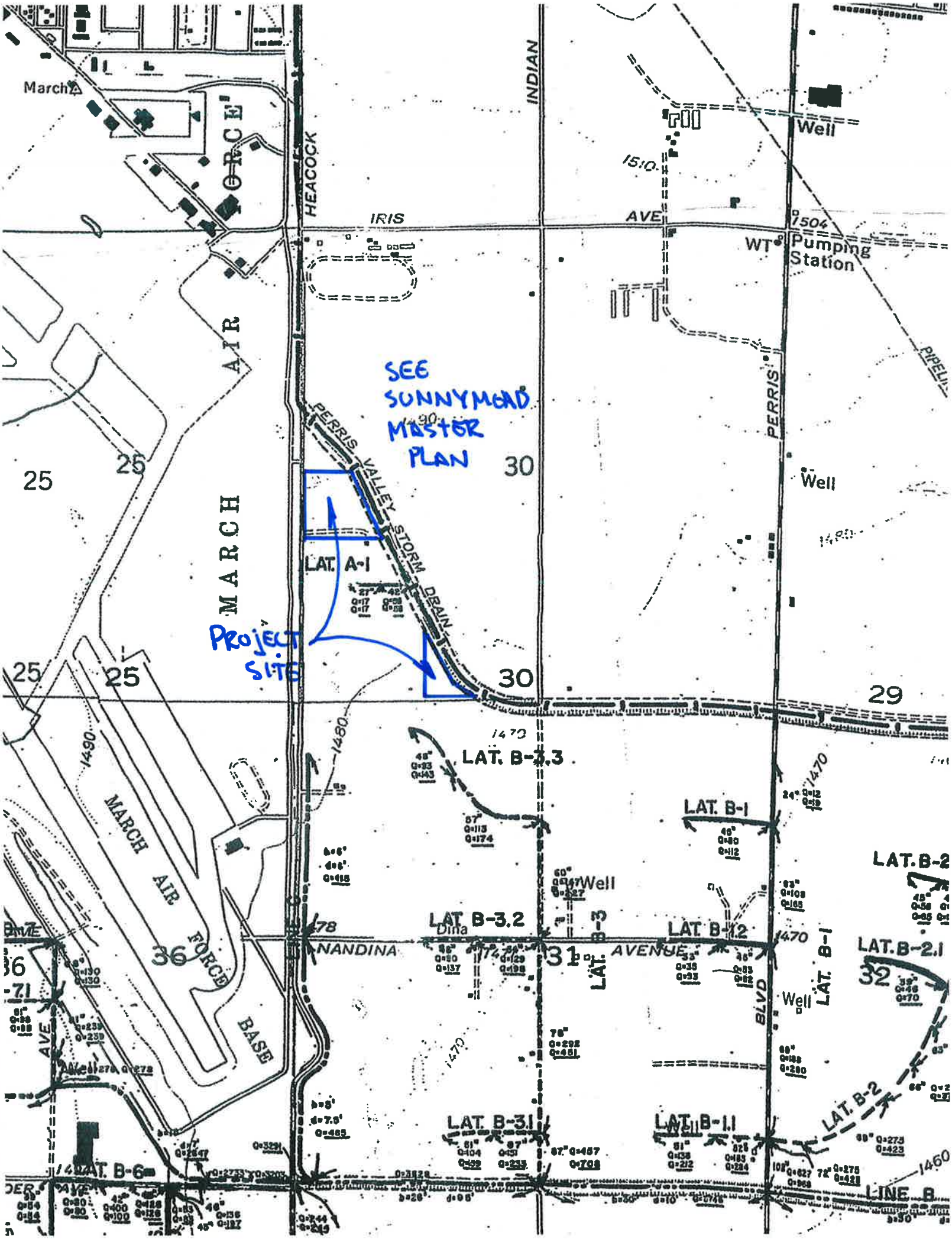
PLATE C-1.17

# RAINFALL INTENSITY—INCHES PER HOUR

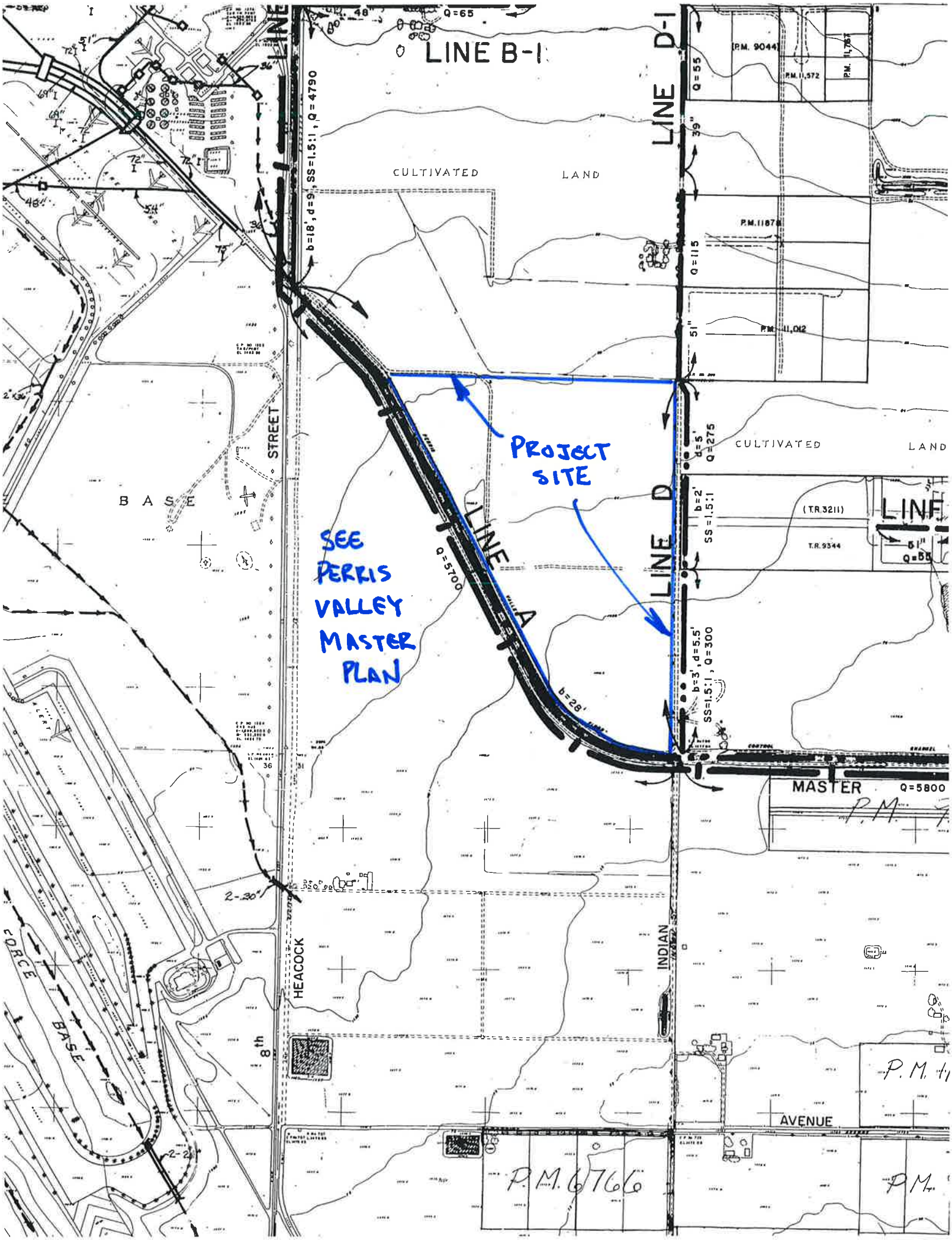
| SUNNYMEAD - MORENO | | | WOODCREST | | |
|---|---|---|---|---|---|
| DURATION MINUTES | FREQUENCY 10 YEAR | FREQUENCY 100 YEAR | DURATION MINUTES | FREQUENCY 10 YEAR | FREQUENCY 100 YEAR |
| 5 | 2.84 | 4.16 | 5 | 3.37 | 5.30 |
| 6 | 2.59 | 3.79 | 6 | 3.05 | 4.79 |
| 7 | 2.40 | 3.51 | 7 | 2.80 | 4.40 |
| 8 | 2.25 | 3.29 | 8 | 2.60 | 4.09 |
| 9 | 2.12 | 3.10 | 9 | 2.44 | 3.83 |
| 10 | 2.01 | 2.94 | 10 | 2.30 | 3.62 |
| 11 | 1.92 | 2.80 | 11 | 2.19 | 3.43 |
| 12 | 1.83 | 2.68 | 12 | 2.08 | 3.27 |
| 13 | 1.76 | 2.58 | 13 | 1.99 | 3.13 |
| 14 | 1.70 | 2.48 | 14 | 1.91 | 3.01 |
| 15 | 1.64 | 2.40 | 15 | 1.84 | 2.89 |
| 16 | 1.59 | 2.32 | 16 | 1.78 | 2.79 |
| 17 | 1.54 | 2.25 | 17 | 1.72 | 2.70 |
| 18 | 1.50 | 2.19 | 18 | 1.67 | 2.62 |
| 19 | 1.46 | 2.13 | 19 | 1.62 | 2.54 |
| 20 | 1.42 | 2.08 | 20 | 1.57 | 2.47 |
| 22 | 1.35 | 1.98 | 22 | 1.49 | 2.34 |
| 24 | 1.30 | 1.90 | 24 | 1.42 | 2.23 |
| 26 | 1.25 | 1.82 | 26 | 1.36 | 2.14 |
| 28 | 1.20 | 1.76 | 28 | 1.31 | 2.05 |
| 30 | 1.16 | 1.70 | 30 | 1.26 | 1.98 |
| 32 | 1.12 | 1.64 | 32 | 1.22 | 1.91 |
| 34 | 1.09 | 1.59 | 34 | 1.18 | 1.85 |
| 36 | 1.06 | 1.55 | 36 | 1.14 | 1.79 |
| 38 | 1.03 | 1.51 | 38 | 1.11 | 1.74 |
| 40 | 1.00 | 1.47 | 40 | 1.07 | 1.69 |
| 45 | .95 | 1.39 | 45 | 1.01 | 1.58 |
| 50 | .90 | 1.31 | 50 | .95 | 1.49 |
| 55 | .86 | 1.25 | 55 | .90 | 1.42 |
| 60 | .82 | 1.20 | 60 | .86 | 1.35 |
| 65 | .79 | 1.15 | 65 | .82 | 1.29 |
| 70 | .76 | 1.11 | 70 | .79 | 1.24 |
| 75 | .73 | 1.07 | 75 | .76 | 1.19 |
| 80 | .71 | 1.04 | 80 | .73 | 1.15 |
| 85 | .69 | 1.01 | 85 | .71 | 1.11 |
| SLOPE = .500 | | | SLOPE = .550 | | |

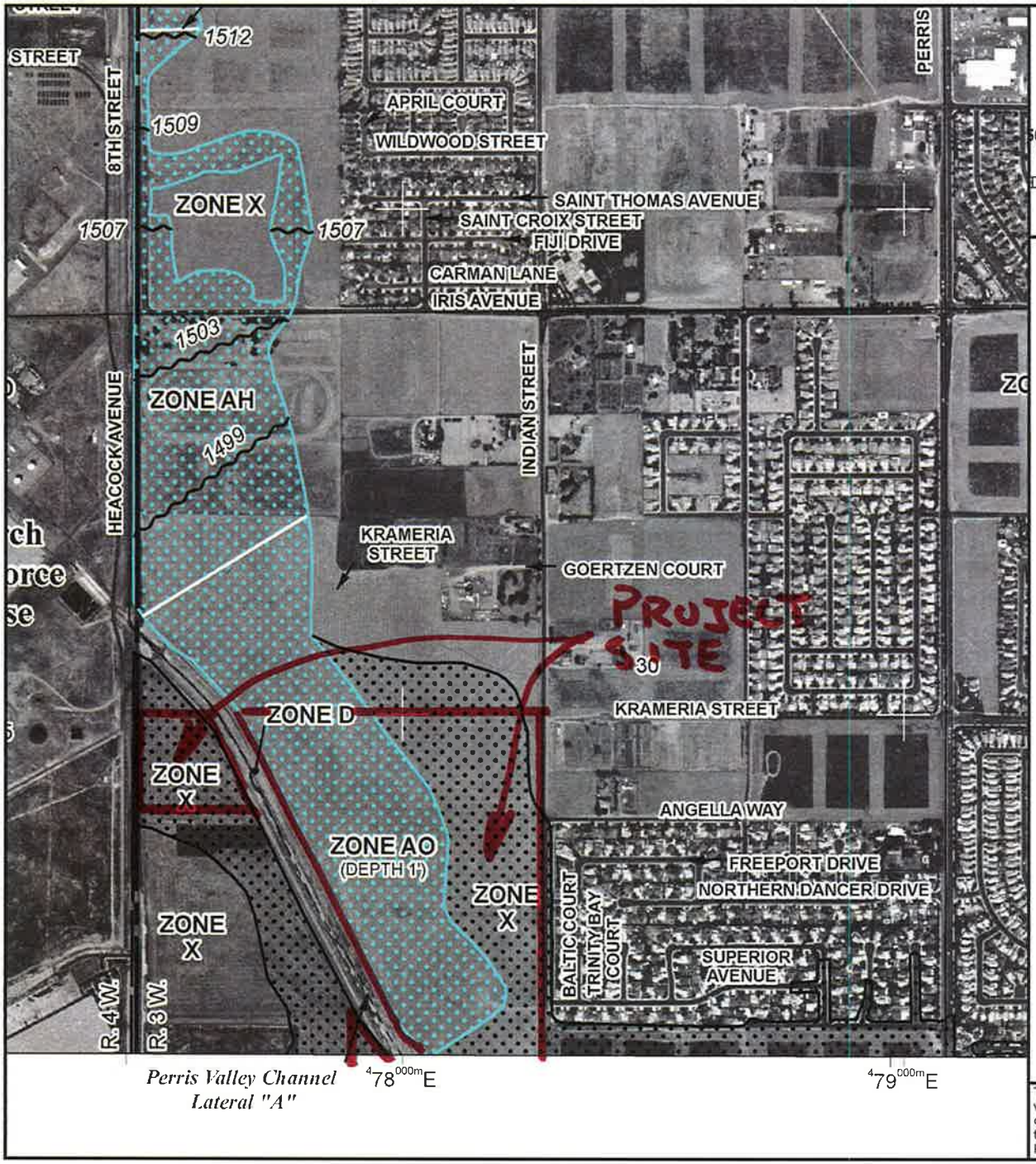
**RCFC & WCD**
HYDROLOGY MANUAL

STANDARD
INTENSITY-DURATION
CURVES DATA



March
MARCH AIR FORCE
HEACOCK
INDIAN
IRIS AVE
1504
WT
Pumping Station
Well
PERRIS
PIPELINE
SEE SUNNYMEAD MASTER PLAN
PERRIS VALLEY STORM DRAIN
LAT. A-1
PROJECT SITE
25
30
29
36
31
32
MARCH AIR FORCE BASE
LAT. B-3.3
LAT. B-1
LAT. B-2
LAT. B-3.2
LAT. B-1.2
LAT. B-2.1
LAT. B-3
LAT. B-3.1
LAT. B-1.1
LAT. B-6
NANDINA AVENUE
BLVD
LINE B
1490
1480
1470
1460


LINE B-1
LINE D-1
CULTIVATED LAND
b=18', d=9', SS=1.5:1, Q=4790
Q=65
Q=55
Q=115
Q=275
d=5'
b=2'
SS=1.5:1
b=3', d=5.5'
SS=1.5:1, Q=300
Q=5700
b=28'
Q=5800
PROJECT SITE
SEE PERRIS VALLEY MASTER PLAN
LINE A
LINE D
MASTER
STREET
HEACOCK
INDIAN
AVENUE
8th
BASE
FORCE
P.M. 9044
P.M. 11,572
P.M. 11,012
(T.R. 3211)
T.R. 9344
P.M. 6766




MAP SCALE 1" = 1000'

500 0 1000 2000 FEET

METER

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0765G

# FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 765 OF 3805

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

| COMMUNITY | NUMBER | PANEL | SUFFIX |
|---|---|---|---|
| MORENO VALLEY, CITY OF | 065074 | 0765 | G |
| RIVERSIDE COUNTY | 060245 | 0765 | G |

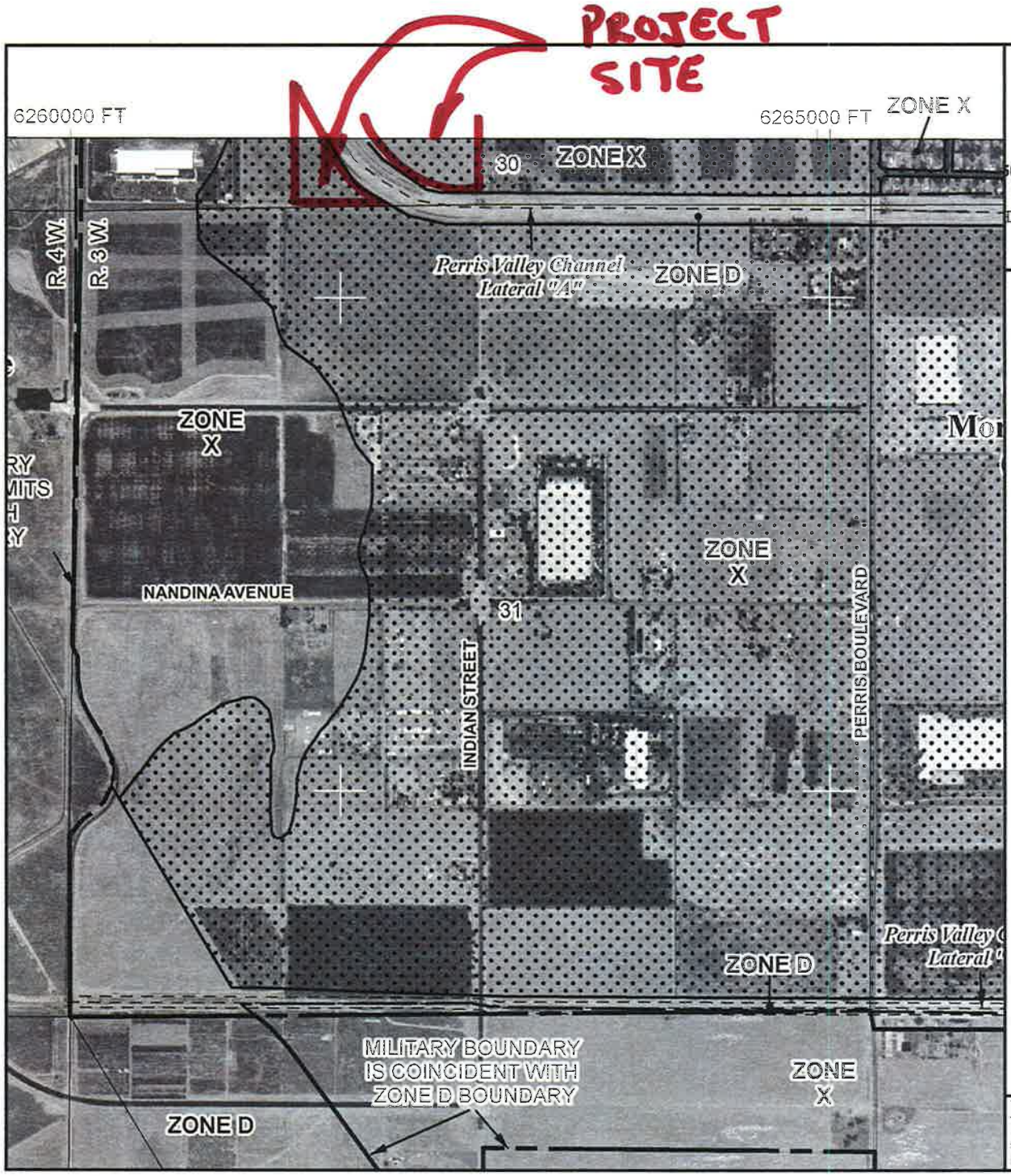
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C0765G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov




MAP SCALE 1" = 1000'

500 0 1000 2000 FEET

METER

NFIP

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 1430G

# FIRM

FLOOD INSURANCE RATE MAP

RIVERSIDE COUNTY, CALIFORNIA
AND INCORPORATED AREAS

PANEL 1430 OF 3805

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

| COMMUNITY | NUMBER | PANEL | SUFFIX |
|---|---|---|---|
| MORENO VALLEY, CITY OF | 065074 | 1430 | G |
| PERRIS, CITY OF | 060258 | 1430 | G |
| RIVERSIDE COUNTY | 060245 | 1430 | G |

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
06065C1430G

EFFECTIVE DATE
AUGUST 28, 2008

Federal Emergency Management Agency

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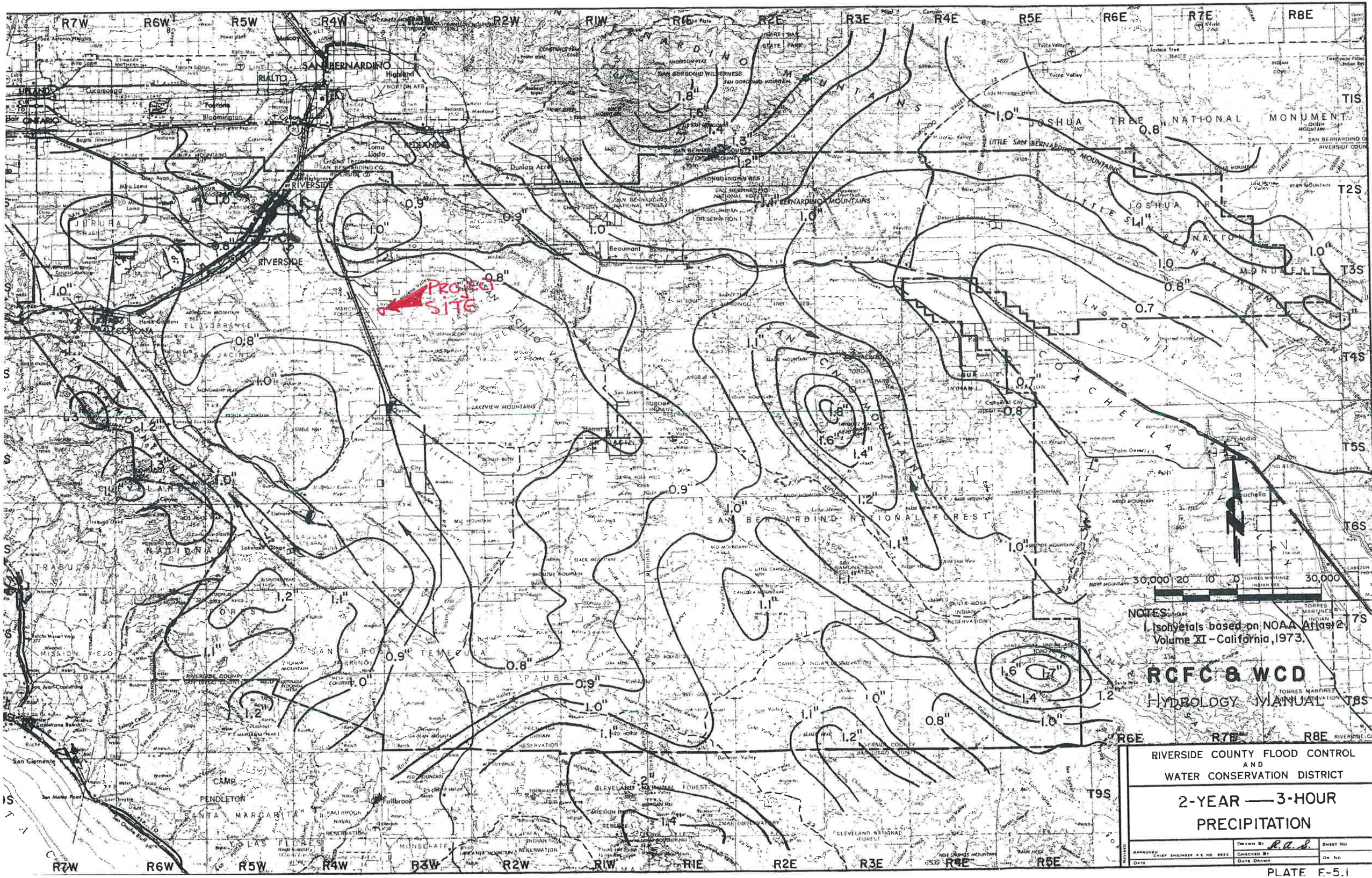
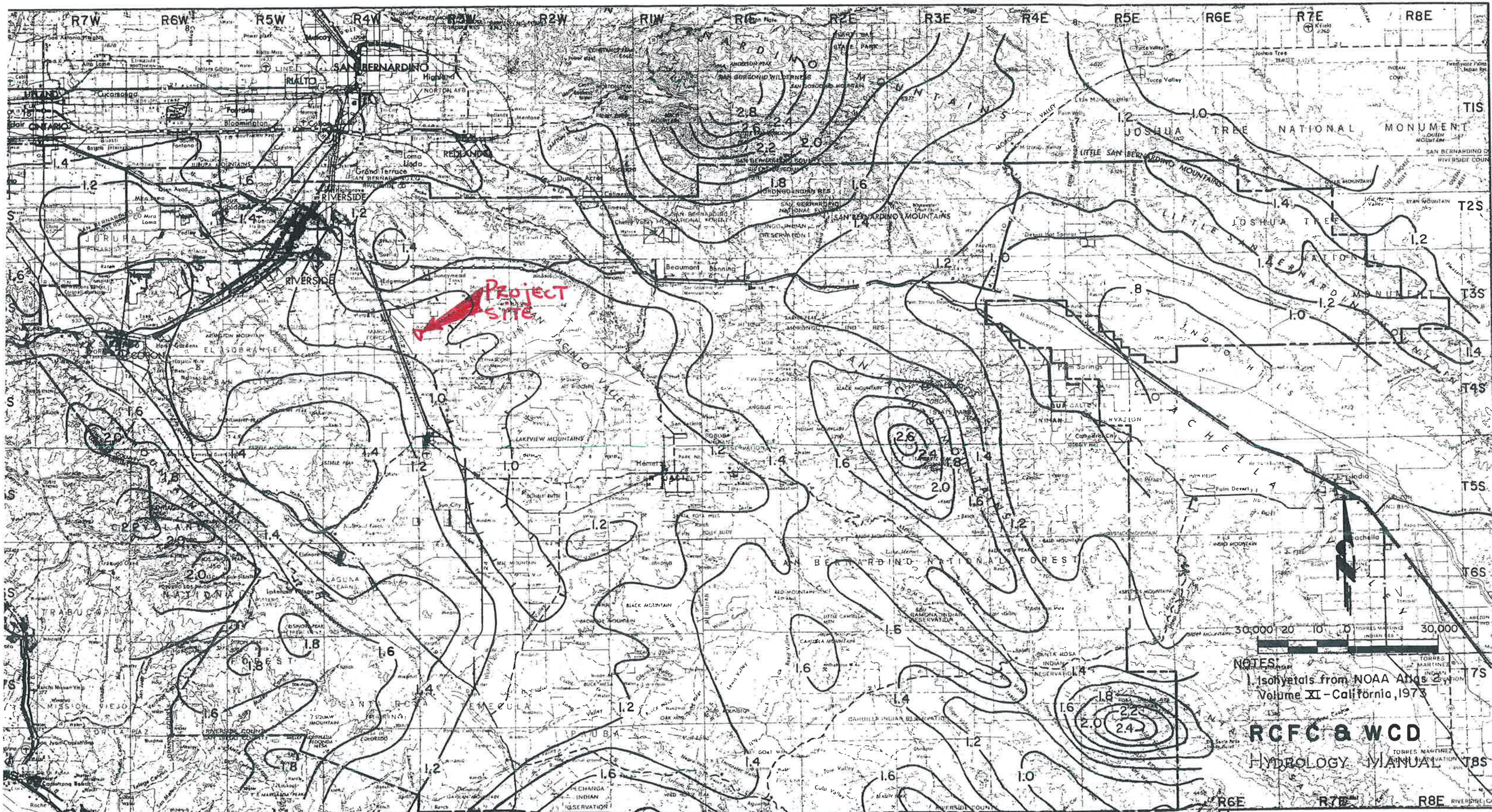


R7W
R6W
R5W
R4W
R3W
R2W
R1W
R1E
R2E
R3E
R4E
R5E
R6E
R7E
R8E
T1S
T2S
T3S
T4S
T5S
T6S
T7S
T8S
T9S
SAN BERNARDINO
RIALTO
RIVERSIDE
CORONA
JURUPA
PEDLANDS
Dunlap Acre
Beaumont
Banning
Palm Springs
Palm Desert
Indio
Coachella
Fallbrook
San Clemente
CAMP PENDLETON
SANTA MARGARITA
LAKEVIEW MOUNTAINS
SAN JACINTO MOUNTAINS
SAN BERNARDINO NATIONAL FOREST
JOSHUA TREE NATIONAL MONUMENT
LITTLE SAN BERNARDINO MOUNTAINS
COACHELLA
INDIO HILLS
PROJECT SITE
30,000 20 10 0 30,000
NOTES:
1. Isohyetals based on NOAA Atlas 2, Volume XI - California, 1973.
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
2-YEAR — 3-HOUR PRECIPITATION
DRAWN BY R.A.S.
CHECKED BY
DATE DRAWN
SHEET NO
DR NO
APPROVED CHIEF ENGINEER
DATE


PLATE E-5.1



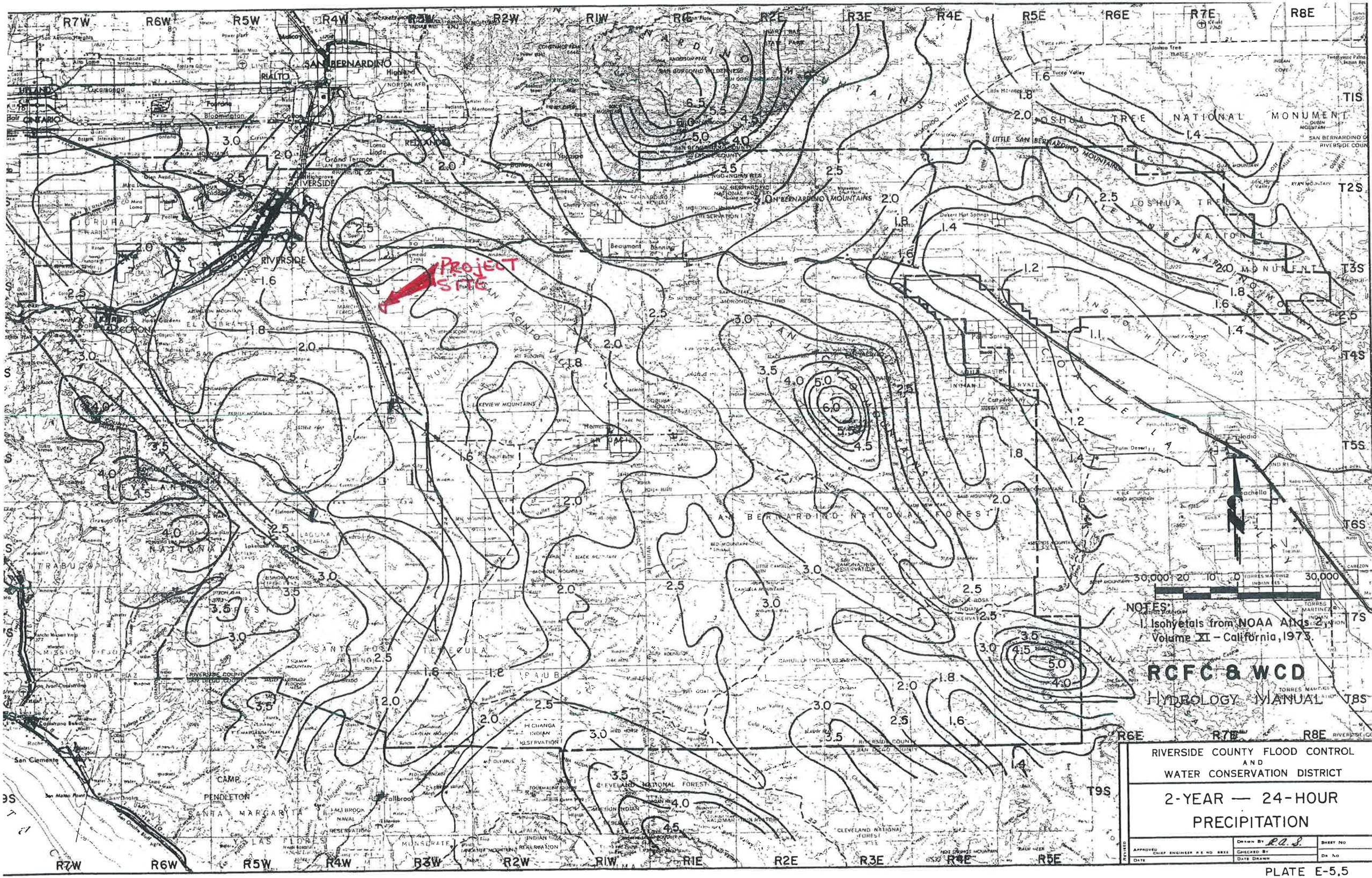

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

2-YEAR — 6-HOUR PRECIPITATION

| | | |
|---|---|---|
| APPROVED CHIEF ENGINEER R.E. NO. 8822 | DRAWN BY | SHEET NO |
| DATE | CHECKED BY | DR. NO |
| | DATE DRAWN | |

REVISED

PLATE E-5.3


PROJECT SITE
NOTES:
1. Isohyetals from NOAA Atlas 2, Volume XI - California, 1973.
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
2-YEAR — 24-HOUR PRECIPITATION
PLATE E-5.5

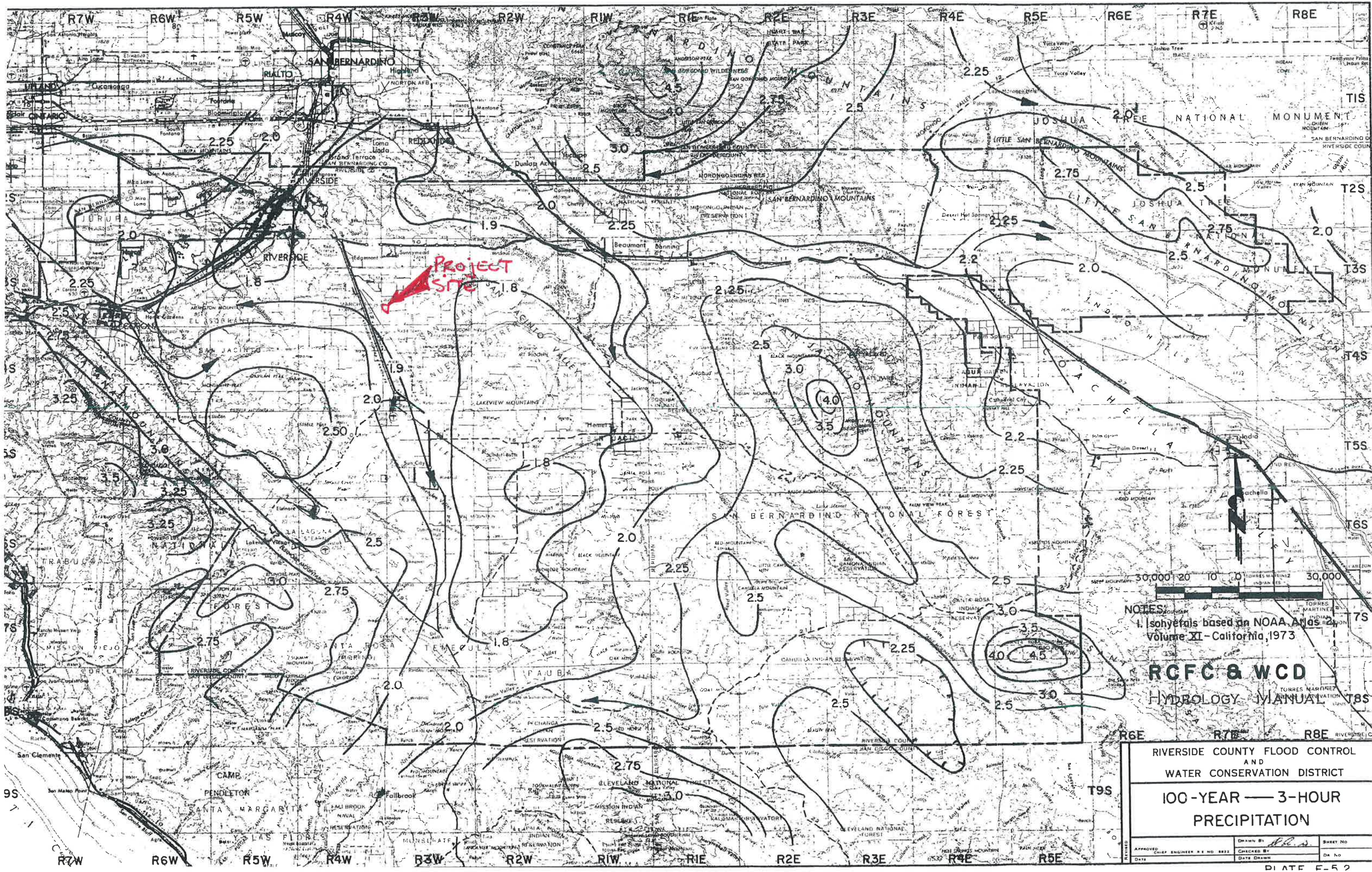
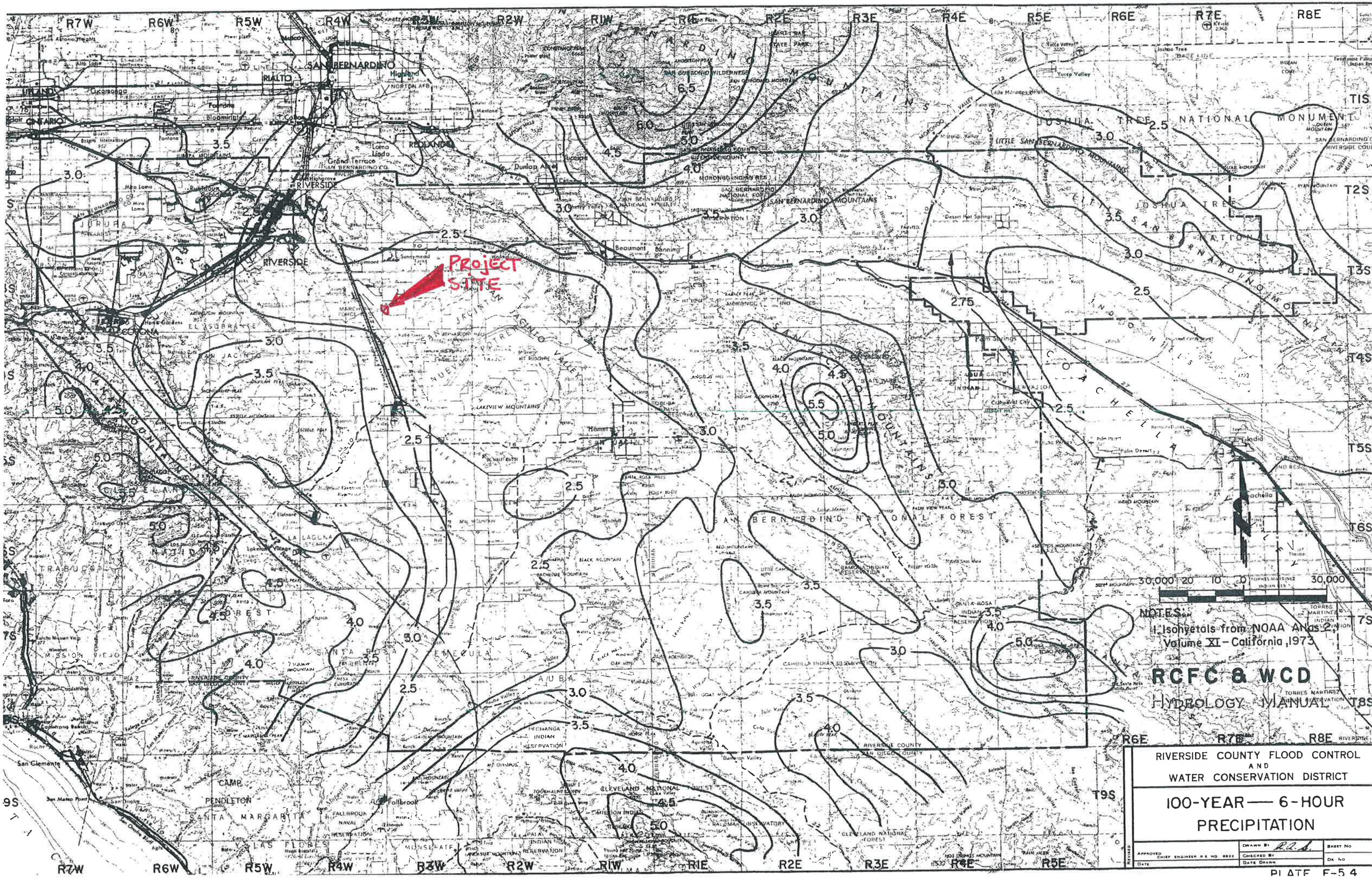
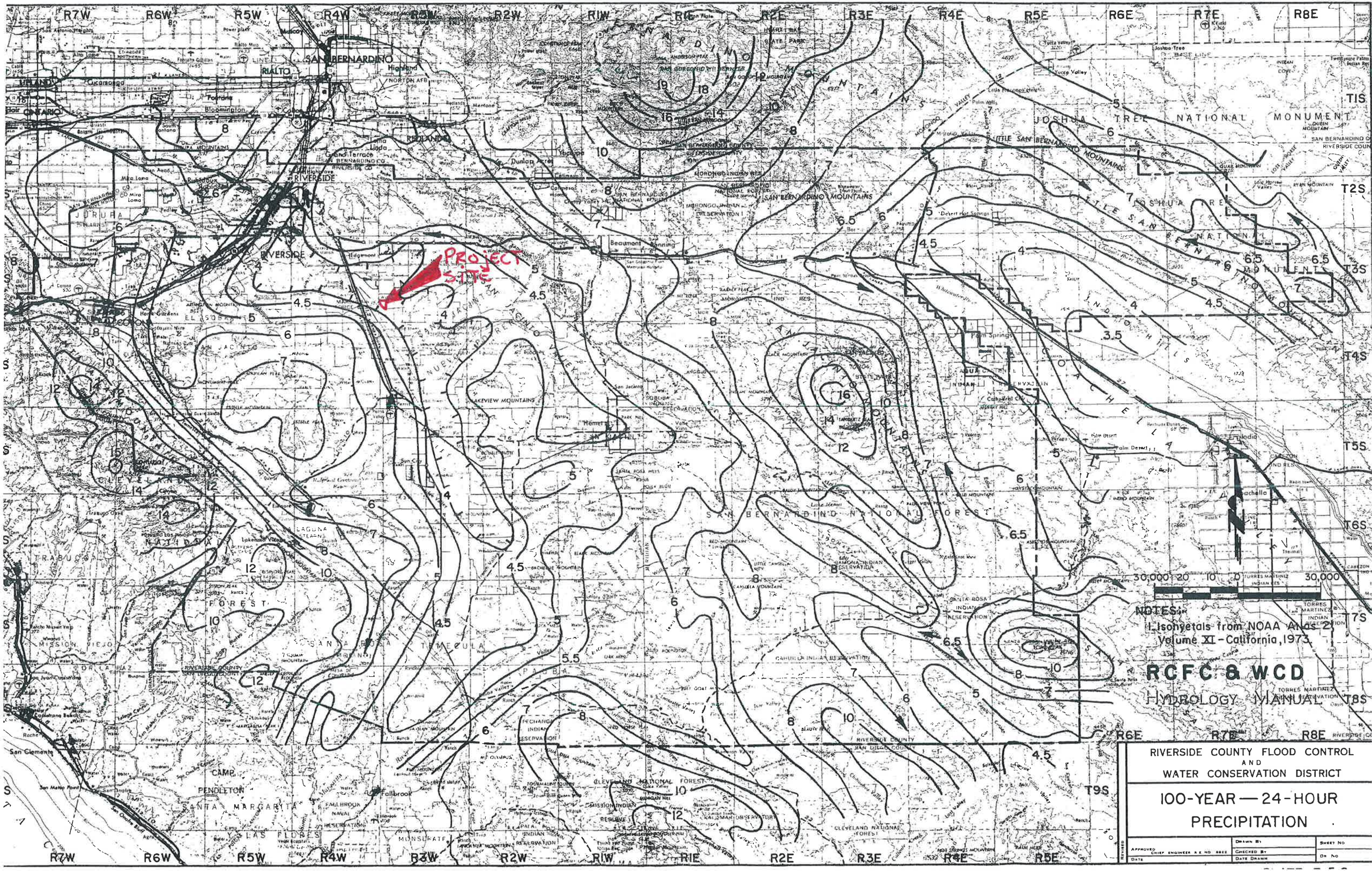
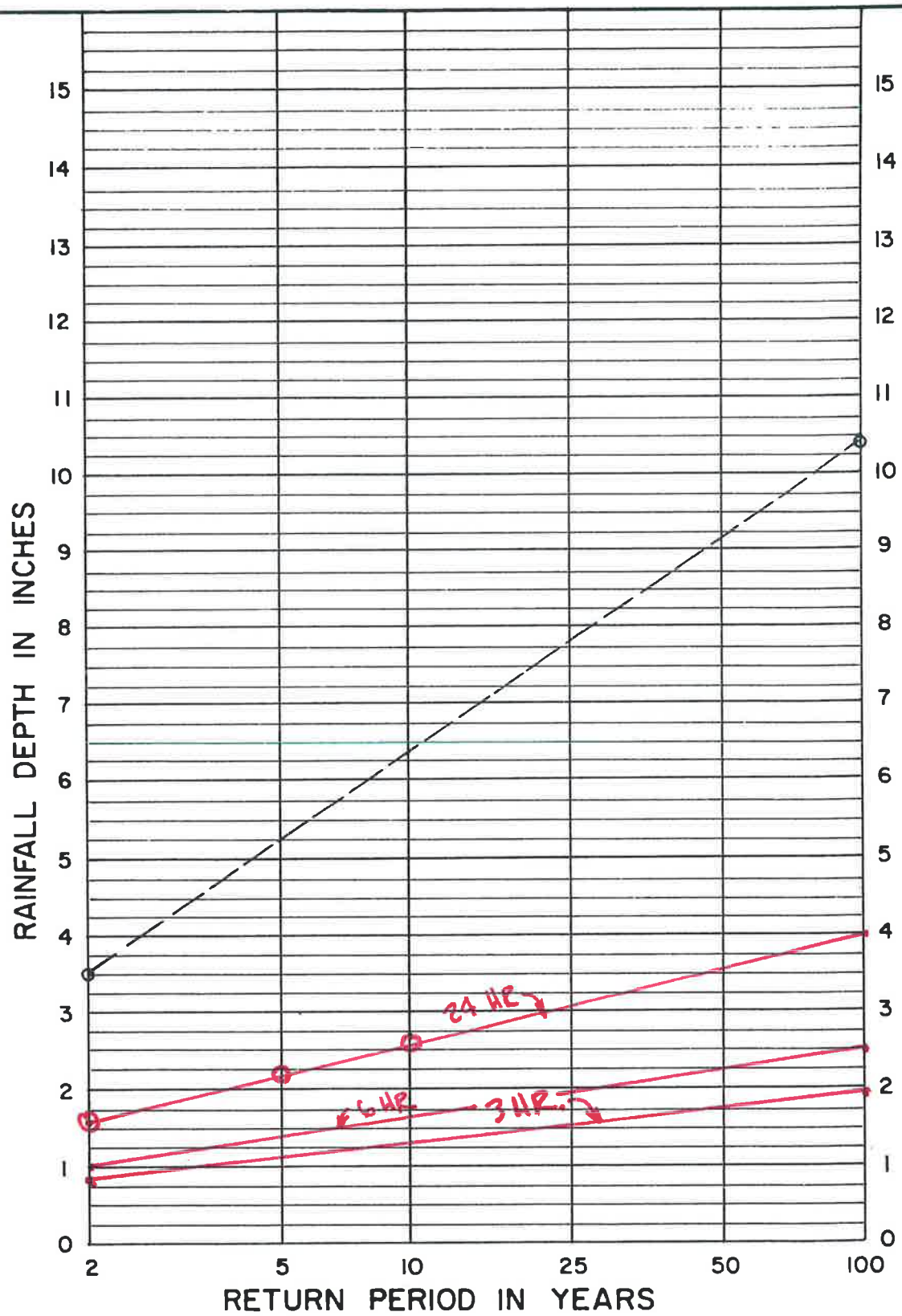

PROJECT SITE
NOTES:
1. Isohyetals based on NOAA Atlas 2, Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
100-YEAR — 3-HOUR PRECIPITATION
SAN BERNARDINO
RIVERSIDE
JOSHUA TREE NATIONAL MONUMENT
SAN BERNARDINO NATIONAL FOREST
CLEVELAND NATIONAL FOREST
CAMP PENDLETON
30,000 20 10 0 30,000

PLATE E-5.2


Project Site
NOTES:
1. Isohyetals from NOAA Atlas 2, Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
100-YEAR — 6-HOUR PRECIPITATION
PLATE E-5.4


PROJECT SITE
NOTES:
1. Isohyetals from NOAA Atlas 2, Volume XI - California, 1973.
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
100-YEAR — 24-HOUR PRECIPITATION
SAN BERNARDINO
RIVERSIDE
JOSHUA TREE NATIONAL MONUMENT
SAN BERNARDINO NATIONAL FOREST
CLEVELAND NATIONAL FOREST
30,000 20 10 0 30,000




NOTE:

1. For intermediate return periods plot 2-year and 100-year values from maps for a specific duration, then connect points and read value for desired return period. For example given 2-year 24-hour = 3.50" and 100-year 24-hour = 10.40", 25-year 24-hour = 7.80"

Reference: NOAA Atlas 2, Volume XI-California, 1973.

**RCFC & WCD**

HYDROLOGY MANUAL

RAINFALL DEPTH VERSUS RETURN PERIOD FOR PARTIAL DURATION SERIES

PLATE E-5.7

RUNOFF INDEX NUMBERS OF HYDROLOGIC SOIL-COVER COMPLEXES FOR PERVIOUS AREAS-AMC II

| Cover Type (3) | Quality of Cover (2) | Soil Group A | B | C | D |
|---|---|---|---|---|---|
| **NATURAL COVERS -** | | | | | |
| Barren (Rockland, eroded and graded land) | | 78 | 86 | 91 | 93 |
| Chaparrel, Broadleaf (Manzonita, ceanothus and scrub oak) | Poor | 53 | 70 | 80 | 85 |
| | Fair | 40 | 63 | 75 | 81 |
| | Good | 31 | 57 | 71 | 78 |
| Chaparrel, Narrowleaf (Chamise and redshank) | Poor | 71 | 82 | 88 | 91 |
| | Fair | 55 | 72 | 81 | 86 |
| Grass, Annual or Perennial | Poor | 67 | 78 | 86 | 89 |
| | Fair | 50 | 69 | 79 | 84 |
| | Good | 38 | 61 | 74 | 80 |
| Meadows or Cienegas (Areas with seasonally high water table, principal vegetation is sod forming grass) | Poor | 63 | 77 | 85 | 88 |
| | Fair | 51 | 70 | 80 | 84 |
| | Good | 30 | 58 | 72 | 78 |
| Open Brush (Soft wood shrubs - buckwheat, sage, etc.) | Poor | 62 | 76 | 84 | 88 |
| | Fair | 46 | 66 | 77 | 83 |
| | Good | 41 | 63 | 75 | 81 |
| Woodland (Coniferous or broadleaf trees predominate. Canopy density is at least 50 percent) | Poor | 45 | 66 | 77 | 83 |
| | Fair | 36 | 60 | 73 | 79 |
| | Good | 28 | 55 | 70 | 77 |
| Woodland, Grass (Coniferous or broadleaf trees with canopy density from 20 to 50 percent) | Poor | 57 | 73 | 82 | 86 |
| | Fair | 44 | 65 | 77 | 82 |
| | Good | 33 | 58 | 72 | 79 |
| **URBAN COVERS -** | | | | | |
| Residential or Commercial Landscaping (Lawn, shrubs, etc.) | Good | 32 | 56 | 69 | 75 |
| Turf (Irrigated and mowed grass) | Poor | 58 | 74 | 83 | 87 |
| | Fair | 44 | 65 | 77 | 82 |
| | Good | 33 | 58 | 72 | 79 |
| **AGRICULTURAL COVERS -** | | | | | |
| Fallow (Land plowed but not tilled or seeded) | | 76 | 85 | 90 | 92 |

**RCFC & WCD**
HYDROLOGY MANUAL

RUNOFF INDEX NUMBERS FOR PERVIOUS AREAS

RUNOFF INDEX NUMBERS OF HYDROLOGIC SOIL-COVER COMPLEXES FOR PERVIOUS AREAS-AMC II

| Cover Type (3) | Quality of Cover (2) | Soil Group A | B | C | D |
|---|---|---|---|---|---|
| AGRICULTURAL COVERS (cont.) - | | | | | |
| Legumes, Close Seeded (Alfalfa, sweetclover, timothy, etc.) | Poor | 66 | 77 | 85 | 89 |
| | Good | 58 | 72 | 81 | 85 |
| Orchards, Deciduous (Apples, apricots, pears, walnuts, etc.) | | See Note 4 | | | |
| Orchards, Evergreen (Citrus, avocados, etc.) | Poor | 57 | 73 | 82 | 86 |
| | Fair | 44 | 65 | 77 | 82 |
| | Good | 33 | 58 | 72 | 79 |
| Pasture, Dryland (Annual grasses) | Poor | 67 | 78 | 86 | 89 |
| | Fair | 50 | 69 | 79 | 84 |
| | Good | 38 | 61 | 74 | 80 |
| Pasture, Irrigated (Legumes and perennial grass) | Poor | 58 | 74 | 83 | 87 |
| | Fair | 44 | 65 | 77 | 82 |
| | Good | 33 | 58 | 72 | 79 |
| Row Crops (Field crops - tomatoes, sugar beets, etc.) | Poor | 72 | 81 | 88 | 91 |
| | Good | 67 | 78 | 85 | 89 |
| Small Grain (Wheat, oats, barley, etc.) | Poor | 65 | 76 | 84 | 88 |
| | Good | 63 | 75 | 83 | 87 |
| Vineyard | | See Note 4 | | | |

Notes:

1. All runoff index (RI) numbers are for Antecedent Moisture Condition (AMC) II.

2. Quality of cover definitions:
   Poor-Heavily grazed or regularly burned areas. Less than 50 percent of the ground surface is protected by plant cover or brush and tree canopy.
   Fair-Moderate cover with 50 percent to 75 percent of the ground surface protected.
   Good-Heavy or dense cover with more than 75 percent of the ground surface protected.

3. See Plate C-2 for a detailed description of cover types.

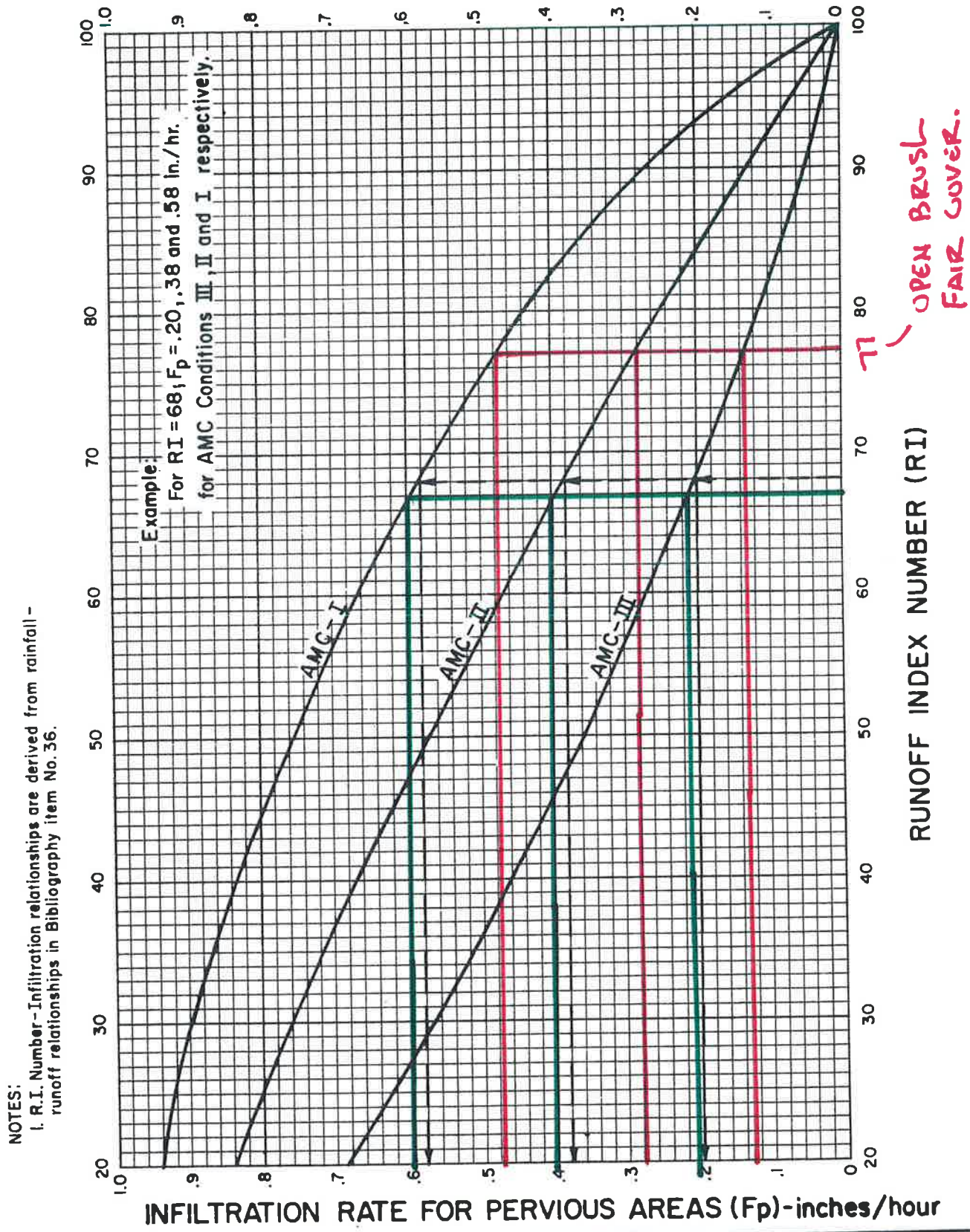
4. Use runoff index numbers based on ground cover type. See discussion under "Cover Type Descriptions" on Plate C-2.

5. Reference Bibliography item 17.

**RCFC & WCD**

HYDROLOGY MANUAL

RUNOFF INDEX NUMBERS FOR PERVIOUS AREAS




NOTES:
1. R.I. Number-Infiltration relationships are derived from rainfall-runoff relationships in Bibliography item No. 36.

**RCFC & WCD**
HYDROLOGY MANUAL

INFILTRATION RATE FOR PERVIOUS AREAS VERSUS RUNOFF INDEX NUMBERS

## ACTUAL IMPERVIOUS COVER

| Land Use (1) | Range-Percent | Recommended Value For Average Conditions-Percent(2) |
|---|---|---|
| Natural or Agriculture | 0 - 10 | 0 |
| Single Family Residential: (3) | | |
| 40,000 S. F. (1 Acre) Lots | 10 - 25 | 20 |
| 20,000 S. F. (½ Acre) Lots | 30 - 45 | 40 |
| 7,200 - 10,000 S. F. Lots | 45 - 55 | 50 |
| Multiple Family Residential: | | |
| Condominiums | 45 - 70 | 65 |
| Apartments | 65 - 90 | 80 |
| Mobile Home Park | 60 - 85 | 75 |
| Commercial, Downtown Business or Industrial | 80 -100 | 90 |

Notes:

1. Land use should be based on ultimate development of the watershed. Long range master plans for the County and incorporated cities should be reviewed to insure reasonable land use assumptions.

2. Recommended values are based on average conditions which may not apply to a particular study area. The percentage impervious may vary greatly even on comparable sized lots due to differences in dwelling size, improvements, etc. Landscape practices should also be considered as it is common in some areas to use ornamental gravels underlain by impervious plastic materials in place of lawns and shrubs. A field investigation of a study area should always be made, and a review of aerial photos, where available may assist in estimating the percentage of impervious cover in developed areas.

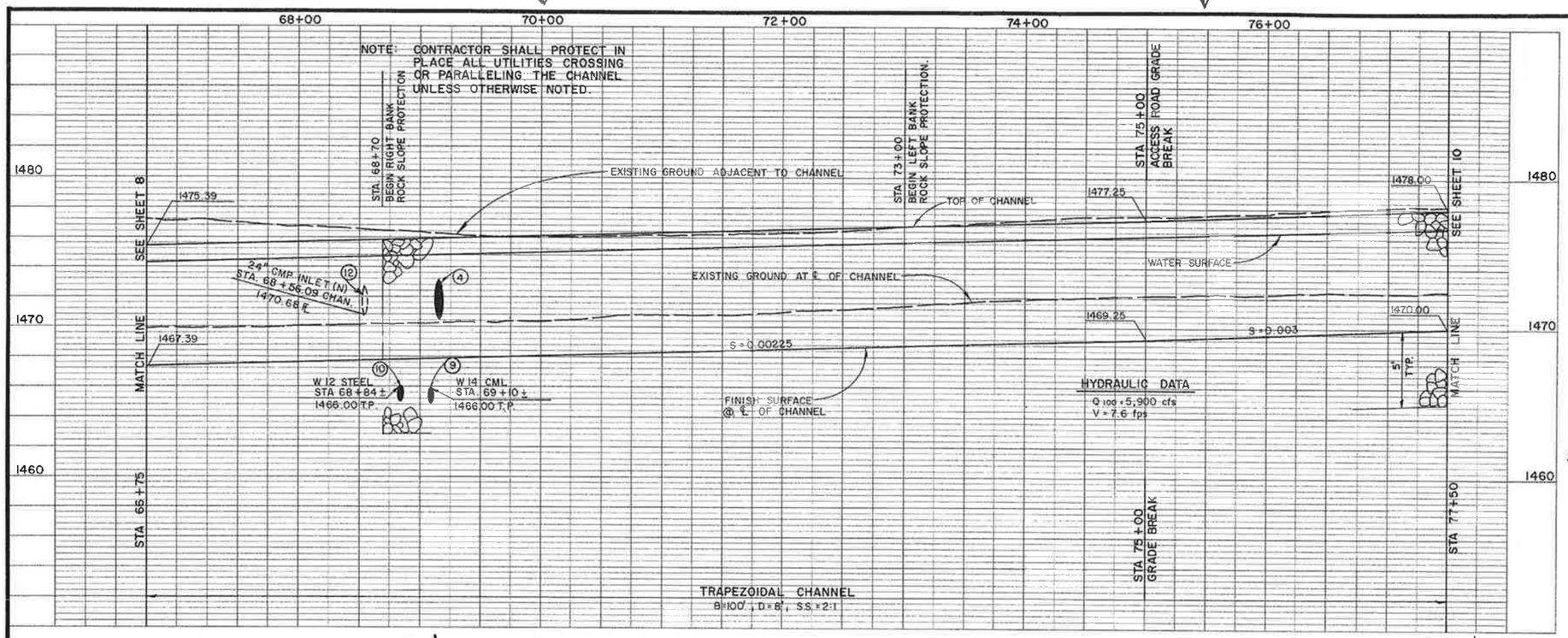
3. For typical horse ranch subdivisions increase impervious area 5 percent over the values recommended in the table above.

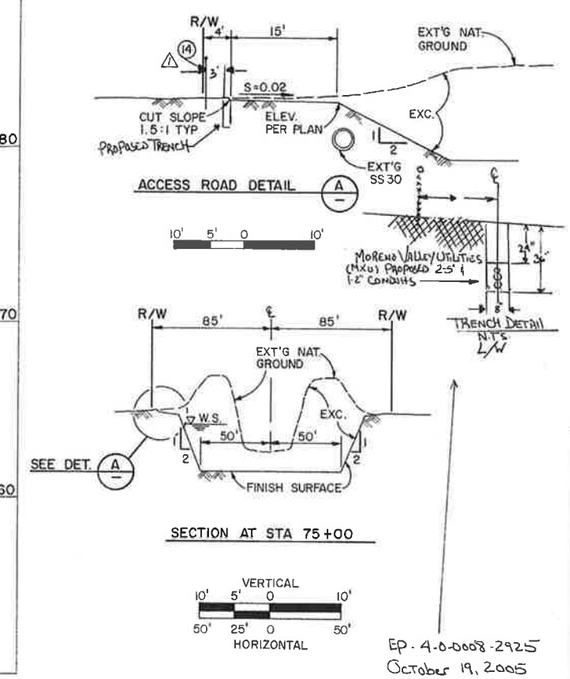
**RCFC & WCD**
HYDROLOGY MANUAL

IMPERVIOUS COVER FOR DEVELOPED AREAS

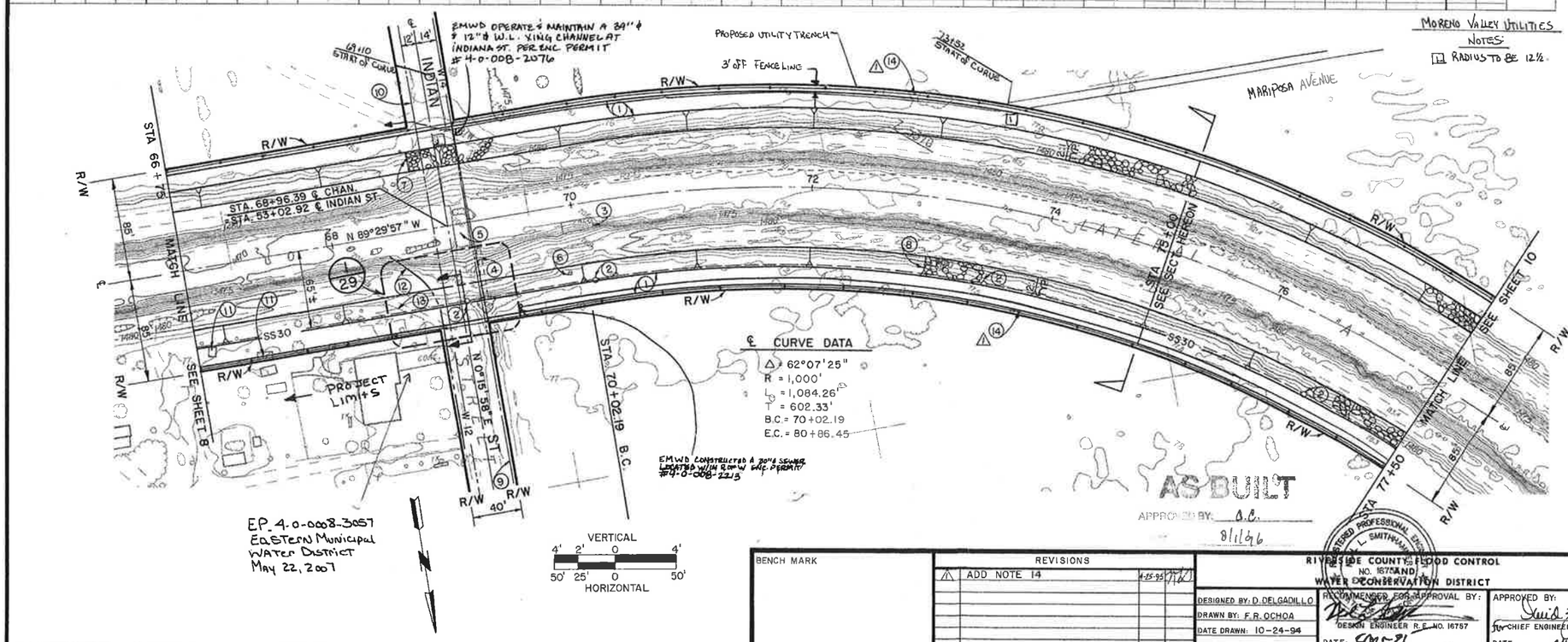
BLDG 1 ≈ 70+00

BLDG 3 ≈ 75+44




EP-4-0-0008-2925
October 19, 2005
City of Moreno Valley




MORENO VALLEY UTILITIES
NOTES:
12 RADIUS TO BE 12½

## NOTES

1. CONSTRUCT 15' WIDE ACCESS ROAD PER DETAIL "A" HERON AND R.C.F.C. STD. DWG. CH326.
2. EXISTING SANITARY SEWER MANHOLE TO BE REMODELED BY OTHERS. PROTECT IN PLACE.
3. REMOVE 18" RCP DRAIN INLET AND CONCRETE APRON.
4. REMOVE EXISTING 36" CMP. CONSTRUCT NEW 18" RCP PER DETAIL SHEET 29.
5. REMOVE EXISTING CONCRETE FARM CROSSING.
6. REMOVE & PLUG EX. MARCH AIR FORCE BASE WELL.
7. BEGIN RIPRAP SLOPE PROTECTION ON RIGHT BANK AT STA 68+70. SEE TYPICAL CROSS SECTION ON SHEET 30
8. BEGIN RIPRAP SLOPE PROTECTION ON LEFT BANK AT STA 73+00. SEE TYPICAL CROSS SECTION ON SHEET 30.
9. EXISTING 14" WATER LINE TO BE RELOCATED BY CONTRACTOR. SEE SHEET 36 FOR DETAILS.
10. EXISTING 12" WATER LINE TO BE PROTECTED IN PLACE.
11. EXISTING STRUCTURES TO BE REMOVED BY OTHERS.
12. REMOVE ~~AND REPLACE~~ AS NECESSARY EXISTING 24" CMP. SEE SHEET 29 FOR DETAILS.
13. REMOVE AND REINSTALL EXISTING CHAIN LINK FENCE TO R/W LINE.
14. CONSTRUCT 6-FOOT CHAIN LINK FENCE PER RCFC STD. DWG. M801

BENCH MARK

| REVISIONS | | | |
|---|---|---|---|
| 1 | ADD NOTE 14 | 4-25-95 | |
| REF. | DESCRIPTION | APPR. | DATE |

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: D. DELGADILLO
DRAWN BY: F.R. OCHOA
DATE DRAWN: 10-24-94
CHECKED BY:

RECOMMENDED FOR APPROVAL BY: DESIGN ENGINEER R.E. NO. 16757 DATE: Sep-95

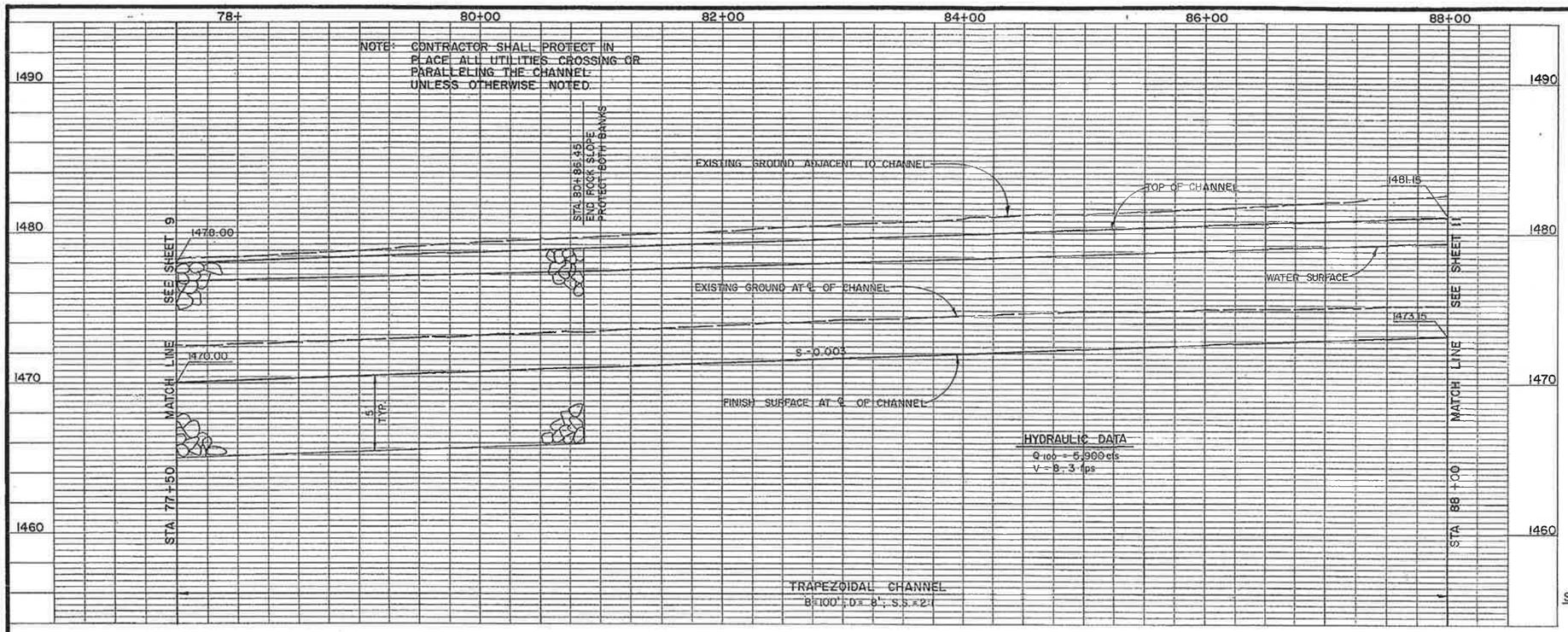
APPROVED BY: for CHIEF ENGINEER R.E. NO. 12400 DATE: 4-10-95

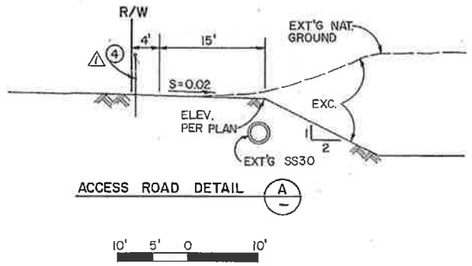
# PERRIS VALLEY CHANNEL LATERAL "A"

## PLAN AND PROFILE

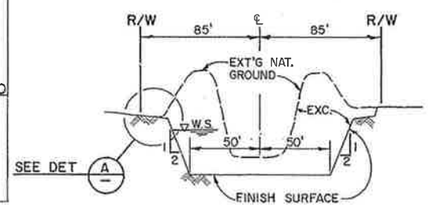
STA. 66+75 TO STA. 77+50

PROJECT NO. 4-0-008
DRAWING NO. 4-617
SHEET NO. 9 OF 52



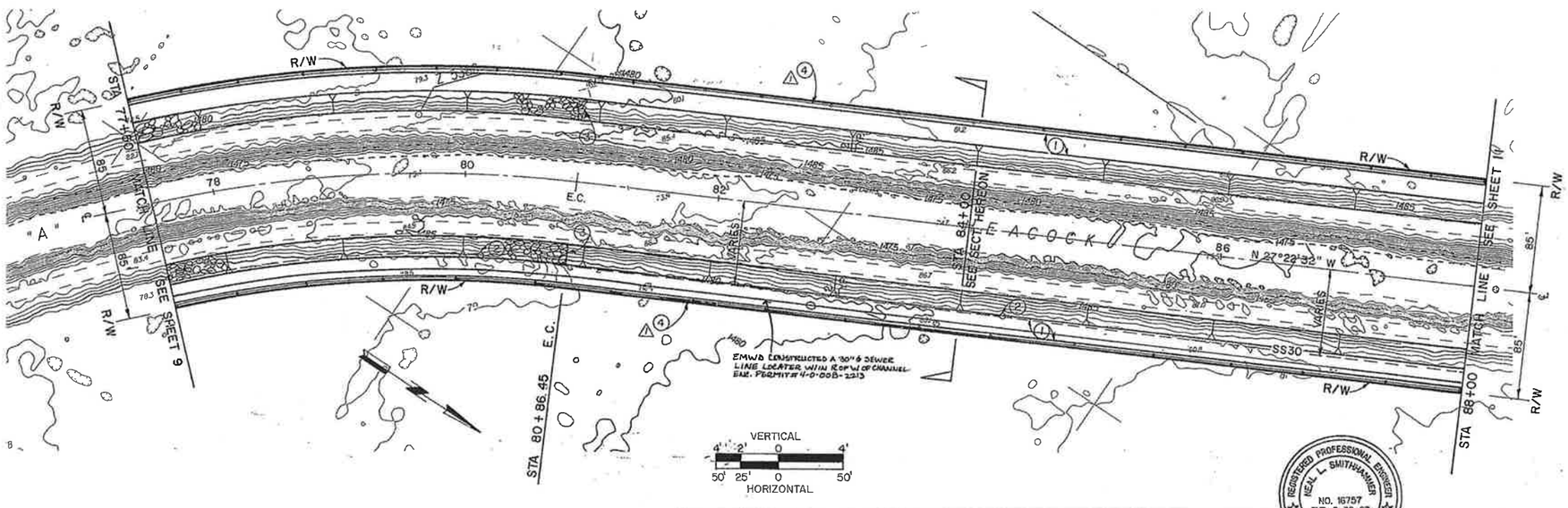




ACCESS ROAD DETAIL (A)




SECTION AT STA 84+00

VERTICAL
10' 5' 0 10'
50' 25' 0 50'
HORIZONTAL




## NOTES

1. CONSTRUCT 15' WIDE ACCESS ROAD PER DETAIL "A" HEREON AND R.C.F.C. STD. DWG. CH326
2. EXISTING SANITARY SEWER MANHOLE TO BE REMODELED BY OTHERS. PROTECT IN PLACE.
3. END OF RIPRAP SLOPE PROTECTION AT BOTH BANKS STA 80+86.45. SEE TYPICAL CROSS SECTION ON SHT. 30.
4. CONSTRUCT 6-FOOT CHAIN LINK FENCE PER RCFC STD.DWG. M 801

AS BUILT
APPROVED BY: C.C.
DATE 8/1/96

REGISTERED PROFESSIONAL ENGINEER NEIL L. SMITHHAMER NO. 16757 EXP. 6-30-97 CIVIL STATE OF CALIFORNIA

BENCH MARK

| REVISIONS | | | |
|---|---|---|---|
| 4 | ADD NOTE 4 | 1-15-96 | |
| REF | DESCRIPTION | APPR | DATE |

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: D. DELGADILLO
DRAWN BY: F. R. OCHOA
DATE DRAWN: 10-31-94
CHECKED BY:

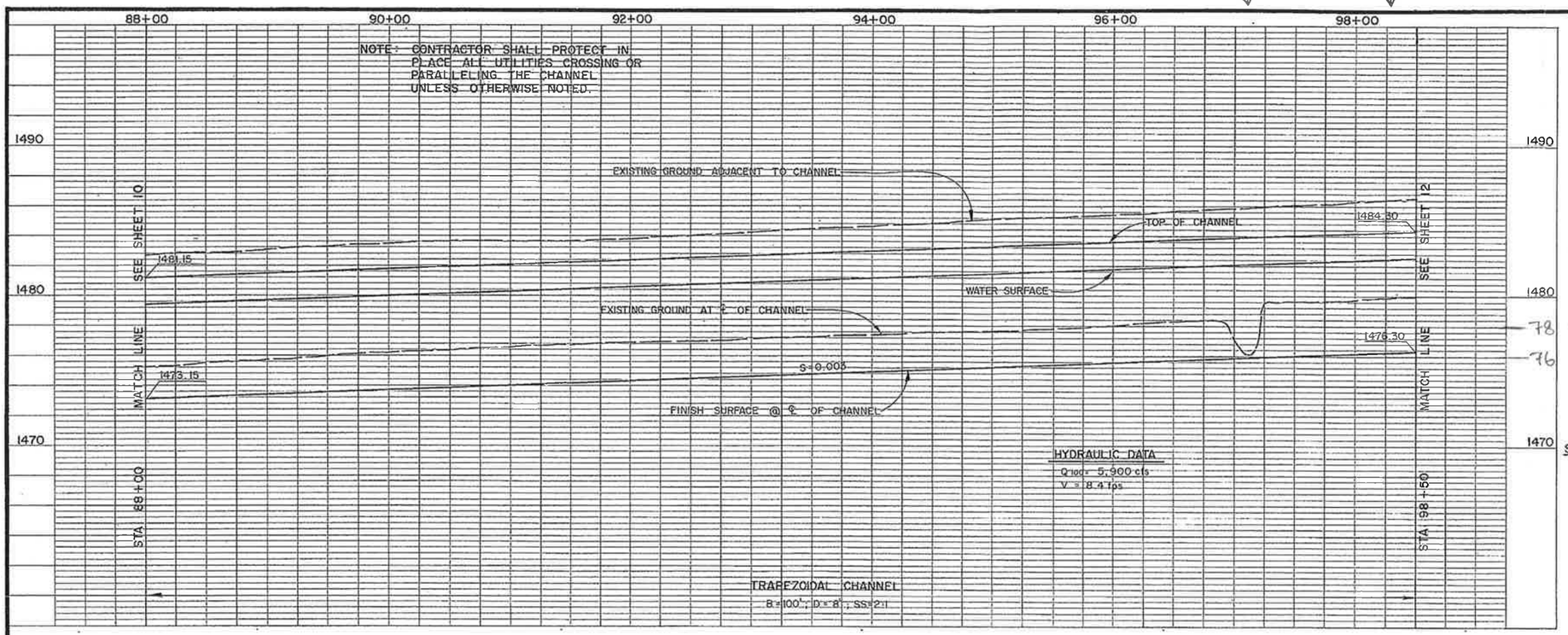
RECOMMENDED FOR APPROVAL BY: DESIGN ENGINEER R.E. NO. 16757 DATE: 5 Apr 95

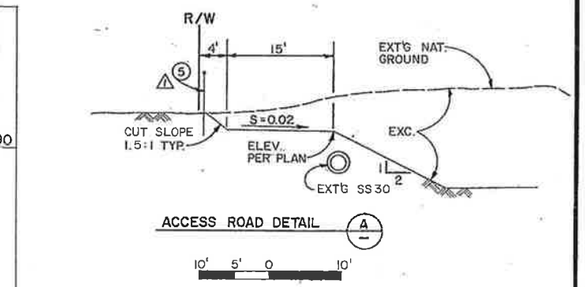
APPROVED BY: CHIEF ENGINEER R.E. NO. 12400 DATE: 4/10/95

# PERRIS VALLEY CHANNEL LATERAL "A"
## PLAN AND PROFILE
STA. 77+50 TO STA. 88+00

PROJECT NO. 4-0-008
DRAWING NO. 4-617
SHEET NO. 10 OF 52

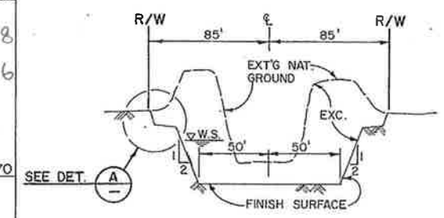
BLDG 2 ≈ 97+11 BLDG 4 ≈ 98+28



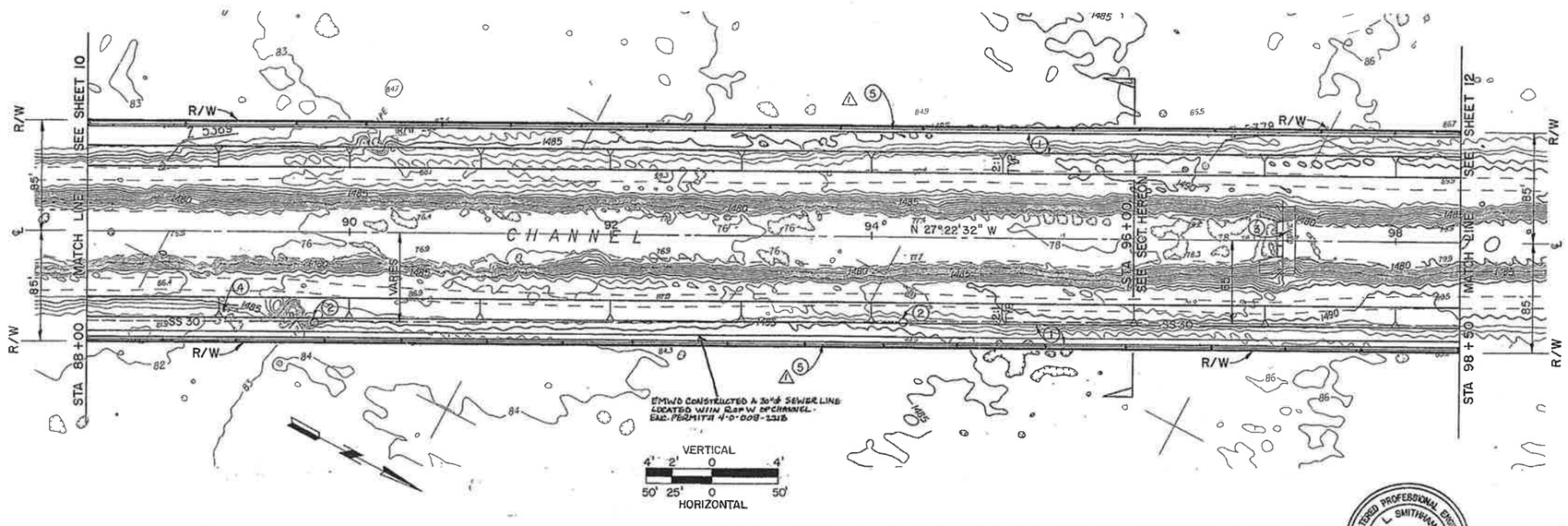

ACCESS ROAD DETAIL (A)

10' 5' 0 10'




SECTION AT STA 96+00

VERTICAL
10' 5' 0 10'
50' 25' 0 50'
HORIZONTAL




NOTES

1. CONSTRUCT 15' WIDE ACCESS ROAD PER DETAIL "A" HEREON AND R.C.F.C. STD. DWG. CH 326
2. EXISTING SANITARY SEWER MANHOLE TO BE REMODELED BY OTHERS. PROTECT IN PLACE.
3. REMOVE EXISTING CONCRETE DROP STRUCTURE
4. REMOVE & PLUG EX. MARCH AIR FORCE BASE WATER WELL.
5. CONSTRUCT 6-FOOT CHAIN LIKE FENCE PER RCFC STD. DWG. M801

AS BUILT
APPROVED BY: C.C.
8/1/96

| BENCH MARK | REVISIONS | | | | RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT | | | PERRIS VALLEY CHANNEL LATERAL "A" PLAN AND PROFILE STA. 88+00 TO STA. 98+50 | PROJECT NO. 4-0-008 |
|---|---|---|---|---|---|---|---|---|---|
| | ⚠ | ADD NOTE 5 | | | DESIGNED BY: D. DELGADILLO | RECOMMENDED FOR APPROVAL BY: DESIGN ENGINEER R.E. NO. 16757 | APPROVED BY: JD CHIEF ENGINEER R.E. NO. 12400 | | DRAWING NO. 4-617 |
| | REF. | DESCRIPTION | APPR. | DATE | DRAWN BY: F.R. OCHOA | DATE: 5 Apr 96 | DATE: 4/10/96 | | SHEET NO. 11 OF 52 |
| | | | | | DATE DRAWN: 10-31-94 | | | | |
| | | | | | CHECKED BY: | | | | |

# APPENDIX B

# EXISTING CONDITION HYDROLOGY CALCULATIONS

```
****************************************************************************
          RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM BASED ON
       RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
                  (RCFC&WCD)  1978 HYDROLOGY MANUAL
        (c) Copyright 1982-99 Advanced Engineering Software (aes)
            Ver. 1.5A Release Date: 01/01/99  License ID 1435

                         Analysis prepared by:

                          THIENES ENGINEERING
                        16800 VALLEY VIEW AVENUE
                           LA MIRADA CA 90638
                  PH: (714) 521-4811 FAX: (714) 521-4173

 ************************** DESCRIPTION OF STUDY **************************
* MURANAKA SITE                                                            *
* EXISTING CONDITION FOR AREA 1                                            *
* 100-YEAR\                                                                *
 ****************************************************************************

  FILE NAME: C:\XDRIVE\2890\EXHYD1.DAT
  TIME/DATE OF STUDY: 07:59 03/10/2016
----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
----------------------------------------------------------------------------
  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  10-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.010
  10-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  0.820
  100-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.940
  100-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  1.200
  SLOPE OF 10-YEAR INTENSITY-DURATION CURVE =  0.5003939
  SLOPE OF 100-YEAR INTENSITY-DURATION CURVE =  0.5001161
  COMPUTED RAINFALL INTENSITY DATA:
  STORM EVENT =  100.00   1-HOUR INTENSITY(INCH/HOUR) =   1.200
  SLOPE OF INTENSITY DURATION CURVE = 0.5001
  RCFC&WCD HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  *NOTE: CONSIDER ALL CONFLUENCE STREAM COMBINATIONS
*        FOR ALL DOWNSTREAM ANALYSES
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  ========  =================  ======  =====  =====  =====  =======
  1   30.0     20.0   0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
  *OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

****************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    101.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
        ASSUMED INITIAL SUBAREA UNIFORM
        DEVELOPMENT IS: UNDEVELOPED WITH FAIR COVER
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH =  1000.00
  UPSTREAM ELEVATION =   1491.20
  DOWNSTREAM ELEVATION =   1486.50
  ELEVATION DIFFERENCE =      4.70
  TC = 0.709*[( 1000.00**3)/(     4.70)]**.2 =   32.845
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.622
  SOIL CLASSIFICATION IS "C"
  SUBAREA RUNOFF(CFS) =      9.22
  TOTAL AREA(ACRES) =      8.65   TOTAL RUNOFF(CFS) =      9.22
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)      =      8.65  TC(MIN.) =     32.85
  PEAK FLOW RATE(CFS)    =      9.22
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

```
****************************************************************************
            RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM BASED ON
        RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
                    (RCFC&WCD)  1978 HYDROLOGY MANUAL
          (c) Copyright 1982-99 Advanced Engineering Software (aes)
              Ver. 1.5A Release Date: 01/01/99  License ID 1435

                          Analysis prepared by:

                        THIENES ENGINEERING, INC.
                         16800 VALLEY VIEW AVENUE
                           LA MIRADA, CA 90638
                  PH: (714) 521-4811  FAX: (714) 521-4811

 ************************** DESCRIPTION OF STUDY **************************
* LAMBAND KAWAKAMI LLC, MORENO VALLEY 89 ACRES                             *
* EXISTING CONDITION (EAST) FOR AREA 2AND 3                                *
* 100-YR HYDROLOGY                                                         *
 ***************************************************************************

  FILE NAME: C:\HYDRO\2890\EXHYD2.DAT
  TIME/DATE OF STUDY: 09:49 10/08/2008
----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
----------------------------------------------------------------------------
  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  10-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.010
  10-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  0.820
  100-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.940
  100-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  1.200
  SLOPE OF 10-YEAR INTENSITY-DURATION CURVE =  0.5003939
  SLOPE OF 100-YEAR INTENSITY-DURATION CURVE =  0.5001161
  COMPUTED RAINFALL INTENSITY DATA:
  STORM EVENT =  100.00   1-HOUR INTENSITY(INCH/HOUR) =   1.200
  SLOPE OF INTENSITY DURATION CURVE = 0.5001
  RCFC&WCD HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: CONSIDER ALL CONFLUENCE STREAM COMBINATIONS
        FOR ALL DOWNSTREAM ANALYSES
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  =====  ======  =====  =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

****************************************************************************
  FLOW PROCESS FROM NODE    200.00 TO NODE    201.00 IS CODE =  21
```

```
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
          ASSUMED INITIAL SUBAREA UNIFORM
          DEVELOPMENT IS: UNDEVELOPED WITH FAIR COVER
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH =   670.00
  UPSTREAM ELEVATION =   1487.40
  DOWNSTREAM ELEVATION =   1485.50
  ELEVATION DIFFERENCE =      1.90
  TC = 0.709*[(  670.00**3)/(     1.90)]**.2 =   30.959
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.671
  SOIL CLASSIFICATION IS "C"
  SUBAREA RUNOFF(CFS) =      5.98
  TOTAL AREA(ACRES) =      5.40   TOTAL RUNOFF(CFS) =      5.98

****************************************************************************
  FLOW PROCESS FROM NODE    201.00 TO NODE    202.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (NEW ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1485.50  DOWNSTREAM(FEET) =   1483.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   530.00   CHANNEL SLOPE =  0.0047
  CHANNEL BASE(FEET) =   50.00   "Z" FACTOR =  50.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      5.98
  FLOW VELOCITY(FEET/SEC) =   0.80   FLOW DEPTH(FEET) =   0.13
  TRAVEL TIME(MIN.) =  11.09   Tc(MIN.) =  42.05
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    202.00 =  1200.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    201.00 TO NODE    202.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.433
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6347
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    6.40   SUBAREA RUNOFF(CFS) =    5.82
  TOTAL AREA(ACRES) =    11.80   TOTAL RUNOFF(CFS) =   11.80
  TC(MIN) =  42.05

****************************************************************************
  FLOW PROCESS FROM NODE    202.00 TO NODE    213.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (NEW ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1483.00  DOWNSTREAM(FEET) =   1482.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   410.00   CHANNEL SLOPE =  0.0024
  CHANNEL BASE(FEET) =   30.00   "Z" FACTOR =   2.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     11.80
  FLOW VELOCITY(FEET/SEC) =   1.16   FLOW DEPTH(FEET) =   0.33
  TRAVEL TIME(MIN.) =   5.91   Tc(MIN.) =  47.96
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    213.00 =  1610.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE     202.00 TO NODE     213.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.342
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6223
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =     0.80    SUBAREA RUNOFF(CFS) =     0.67
  TOTAL AREA(ACRES) =     12.60    TOTAL RUNOFF(CFS) =    12.47
  TC(MIN) =  47.96

****************************************************************************
  FLOW PROCESS FROM NODE     213.00 TO NODE     213.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =  47.96
  RAINFALL INTENSITY(INCH/HR) =   1.34
  TOTAL STREAM AREA(ACRES) =   12.60
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      12.47

****************************************************************************
  FLOW PROCESS FROM NODE     210.00 TO NODE     211.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
          ASSUMED INITIAL SUBAREA UNIFORM
          DEVELOPMENT IS: UNDEVELOPED WITH FAIR COVER
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH =   560.00
  UPSTREAM ELEVATION =   1488.30
  DOWNSTREAM ELEVATION =   1486.00
  ELEVATION DIFFERENCE =       2.30
  TC = 0.709*[(  560.00**3)/(      2.30)]**.2 =   26.758
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.797
  SOIL CLASSIFICATION IS "C"
  SUBAREA RUNOFF(CFS) =       3.88
  TOTAL AREA(ACRES) =       3.20    TOTAL RUNOFF(CFS) =       3.88

****************************************************************************
  FLOW PROCESS FROM NODE     211.00 TO NODE     212.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (NEW ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1486.00  DOWNSTREAM(FEET) =   1484.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   650.00   CHANNEL SLOPE =  0.0031
  CHANNEL BASE(FEET) =   50.00   "Z" FACTOR =  50.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =       3.88
  FLOW VELOCITY(FEET/SEC) =   0.59   FLOW DEPTH(FEET) =   0.12
  TRAVEL TIME(MIN.) =  18.29   Tc(MIN.) =  45.05
  LONGEST FLOWPATH FROM NODE    210.00 TO NODE    212.00 =  1210.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    211.00 TO NODE    212.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.385
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6283
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    5.10   SUBAREA RUNOFF(CFS) =    4.44
  TOTAL AREA(ACRES) =     8.30   TOTAL RUNOFF(CFS) =    8.32
  TC(MIN) =  45.05

****************************************************************************
  FLOW PROCESS FROM NODE    212.00 TO NODE    213.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (NEW ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1484.00  DOWNSTREAM(FEET) =   1482.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   675.00   CHANNEL SLOPE =  0.0030
  CHANNEL BASE(FEET) =   50.00   "Z" FACTOR =  50.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      8.32
  FLOW VELOCITY(FEET/SEC) =   0.78   FLOW DEPTH(FEET) =   0.18
  TRAVEL TIME(MIN.) =  14.38   Tc(MIN.) =  59.43
  LONGEST FLOWPATH FROM NODE    210.00 TO NODE    213.00 =  1885.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    212.00 TO NODE    213.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.206
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6013
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    4.20   SUBAREA RUNOFF(CFS) =    3.04
  TOTAL AREA(ACRES) =    12.50   TOTAL RUNOFF(CFS) =   11.36
  TC(MIN) =  59.43

****************************************************************************
  FLOW PROCESS FROM NODE    213.00 TO NODE    213.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =  59.43
  RAINFALL INTENSITY(INCH/HR) =   1.21
  TOTAL STREAM AREA(ACRES) =   12.50
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     11.36

  ** CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY      AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)    (ACRE)
     1       12.47    47.96       1.342         12.60
```

```
    2       11.36    59.43        1.206         12.50

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
    1        21.64    47.96       1.342
    2        22.56    59.43       1.206

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =     22.56   Tc(MIN.) =   59.43
  TOTAL AREA(ACRES) =     25.10
  LONGEST FLOWPATH FROM NODE    210.00 TO NODE    213.00 =  1885.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    213.00 TO NODE    225.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (NEW ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1482.00  DOWNSTREAM(FEET) =   1478.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =  1000.00   CHANNEL SLOPE =  0.0035
  CHANNEL BASE(FEET) =   50.00   "Z" FACTOR =  50.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     22.56
  FLOW VELOCITY(FEET/SEC) =   1.15   FLOW DEPTH(FEET) =   0.30
  TRAVEL TIME(MIN.) =  14.54   Tc(MIN.) =  73.97
  LONGEST FLOWPATH FROM NODE    210.00 TO NODE    225.00 =  2885.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    213.00 TO NODE    225.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.081
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .5790
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    3.50   SUBAREA RUNOFF(CFS) =    2.19
  TOTAL AREA(ACRES) =    28.60   TOTAL RUNOFF(CFS) =   24.75
  TC(MIN) =  73.97

****************************************************************************
  FLOW PROCESS FROM NODE    225.00 TO NODE    225.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =  73.97
  RAINFALL INTENSITY(INCH/HR) =   1.08
  TOTAL STREAM AREA(ACRES) =   28.60
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     24.75

****************************************************************************
  FLOW PROCESS FROM NODE    220.00 TO NODE    221.00 IS CODE =  21
```

```
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
          ASSUMED INITIAL SUBAREA UNIFORM
          DEVELOPMENT IS: UNDEVELOPED WITH FAIR COVER
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH =   650.00
  UPSTREAM ELEVATION =   1487.00
  DOWNSTREAM ELEVATION =   1484.00
  ELEVATION DIFFERENCE =      3.00
  TC = 0.709*[(  650.00**3)/(     3.00)]**.2 =   27.747
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.765
  SOIL CLASSIFICATION IS "C"
  SUBAREA RUNOFF(CFS) =      3.08
  TOTAL AREA(ACRES) =      2.60   TOTAL RUNOFF(CFS) =      3.08

****************************************************************************
  FLOW PROCESS FROM NODE    221.00 TO NODE    222.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (NEW ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1484.00  DOWNSTREAM(FEET) =   1482.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   420.00   CHANNEL SLOPE =  0.0048
  CHANNEL BASE(FEET) =   50.00   "Z" FACTOR =  50.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      3.08
  FLOW VELOCITY(FEET/SEC) =   0.64   FLOW DEPTH(FEET) =   0.09
  TRAVEL TIME(MIN.) =  10.96   Tc(MIN.) =  38.71
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    222.00 =  1070.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    221.00 TO NODE    222.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.494
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6424
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    6.40   SUBAREA RUNOFF(CFS) =    6.14
  TOTAL AREA(ACRES) =     9.00   TOTAL RUNOFF(CFS) =    9.23
  TC(MIN) =  38.71

****************************************************************************
  FLOW PROCESS FROM NODE    222.00 TO NODE    223.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (NEW ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1482.00  DOWNSTREAM(FEET) =   1480.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =   410.00   CHANNEL SLOPE =  0.0037
  CHANNEL BASE(FEET) =   50.00   "Z" FACTOR =  50.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      9.23
  FLOW VELOCITY(FEET/SEC) =   0.87   FLOW DEPTH(FEET) =   0.18
  TRAVEL TIME(MIN.) =   7.88   Tc(MIN.) =  46.59
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    223.00 =  1480.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    222.00 TO NODE    223.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.362
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6251
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    7.80   SUBAREA RUNOFF(CFS) =    6.64
  TOTAL AREA(ACRES) =    16.80   TOTAL RUNOFF(CFS) =   15.87
  TC(MIN) =  46.59

****************************************************************************
  FLOW PROCESS FROM NODE    223.00 TO NODE    224.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (NEW ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1480.50  DOWNSTREAM(FEET) =   1479.80
  CHANNEL LENGTH THRU SUBAREA(FEET) =   273.00   CHANNEL SLOPE =  0.0026
  CHANNEL BASE(FEET) =   50.00   "Z" FACTOR =  50.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     15.87
  FLOW VELOCITY(FEET/SEC) =   0.93   FLOW DEPTH(FEET) =   0.27
  TRAVEL TIME(MIN.) =   4.91   Tc(MIN.) =  51.50
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    224.00 =  1753.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    223.00 TO NODE    224.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.295
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6154
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    5.70   SUBAREA RUNOFF(CFS) =    4.54
  TOTAL AREA(ACRES) =    22.50   TOTAL RUNOFF(CFS) =   20.41
  TC(MIN) =  51.50

****************************************************************************
  FLOW PROCESS FROM NODE    224.00 TO NODE    225.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (NEW ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1479.80  DOWNSTREAM(FEET) =   1478.50
  CHANNEL LENGTH THRU SUBAREA(FEET) =   316.00   CHANNEL SLOPE =  0.0041
  CHANNEL BASE(FEET) =   50.00   "Z" FACTOR =  50.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     20.41
  FLOW VELOCITY(FEET/SEC) =   1.18   FLOW DEPTH(FEET) =   0.27
  TRAVEL TIME(MIN.) =   4.46   Tc(MIN.) =  55.96
  LONGEST FLOWPATH FROM NODE    220.00 TO NODE    225.00 =  2069.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    224.00 TO NODE    225.00 IS CODE =  81
```

```
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.243
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6072
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    2.60   SUBAREA RUNOFF(CFS) =    1.96
  TOTAL AREA(ACRES) =    25.10   TOTAL RUNOFF(CFS) =   22.37
  TC(MIN) =  55.96

****************************************************************************
  FLOW PROCESS FROM NODE    225.00 TO NODE    225.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =  55.96
  RAINFALL INTENSITY(INCH/HR) =   1.24
  TOTAL STREAM AREA(ACRES) =   25.10
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     22.37

  ** CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY      AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)    (ACRE)
     1        24.09    62.66       1.174         28.60
     1        24.75    73.97       1.081         28.60
     2        22.37    55.96       1.243         25.10

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc      INTENSITY
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
     1        43.89    55.96       1.243
     2        45.23    62.66       1.174
     3        44.21    73.97       1.081

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =     45.23   Tc(MIN.) =   62.66
  TOTAL AREA(ACRES) =     53.70
  LONGEST FLOWPATH FROM NODE    210.00 TO NODE    225.00 =  2885.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    225.00 TO NODE    235.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (NEW ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1478.50  DOWNSTREAM(FEET) =   1476.30
  CHANNEL LENGTH THRU SUBAREA(FEET) =   500.00   CHANNEL SLOPE =  0.0044
  CHANNEL BASE(FEET) =   50.00   "Z" FACTOR =  50.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     45.23
  FLOW VELOCITY(FEET/SEC) =   1.54   FLOW DEPTH(FEET) =   0.41
```

```
  TRAVEL TIME(MIN.) =    5.41    Tc(MIN.) =  68.06
  LONGEST FLOWPATH FROM NODE     210.00 TO NODE     235.00 =  3385.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     225.00 TO NODE     235.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.127
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .5876
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =     2.60    SUBAREA RUNOFF(CFS) =     1.72
  TOTAL AREA(ACRES) =     56.30    TOTAL RUNOFF(CFS) =    46.95
  TC(MIN) =  68.06

****************************************************************************
  FLOW PROCESS FROM NODE     235.00 TO NODE     235.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =  68.06
  RAINFALL INTENSITY(INCH/HR) =   1.13
  TOTAL STREAM AREA(ACRES) =   56.30
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     46.95

****************************************************************************
  FLOW PROCESS FROM NODE     230.00 TO NODE     231.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
          ASSUMED INITIAL SUBAREA UNIFORM
          DEVELOPMENT IS: UNDEVELOPED WITH FAIR COVER
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH =   580.00
  UPSTREAM ELEVATION =   1488.20
  DOWNSTREAM ELEVATION =   1486.00
  ELEVATION DIFFERENCE =      2.20
  TC = 0.709*[(  580.00**3)/(     2.20)]**.2 =   27.572
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.770
  SOIL CLASSIFICATION IS "C"
  SUBAREA RUNOFF(CFS) =      6.07
  TOTAL AREA(ACRES) =      5.10    TOTAL RUNOFF(CFS) =      6.07

****************************************************************************
  FLOW PROCESS FROM NODE     231.00 TO NODE     232.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (NEW ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1486.00  DOWNSTREAM(FEET) =   1484.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   645.00   CHANNEL SLOPE =  0.0031
  CHANNEL BASE(FEET) =   50.00   "Z" FACTOR =  50.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =      6.07
  FLOW VELOCITY(FEET/SEC) =   0.72   FLOW DEPTH(FEET) =   0.15
```

```
  TRAVEL TIME(MIN.) =  15.02   Tc(MIN.) =  42.59
  LONGEST FLOWPATH FROM NODE    230.00 TO NODE    232.00 =  1225.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    231.00 TO NODE    232.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.424
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6335
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    5.10   SUBAREA RUNOFF(CFS) =    4.60
  TOTAL AREA(ACRES) =    10.20   TOTAL RUNOFF(CFS) =   10.67
  TC(MIN) =  42.59

****************************************************************************
  FLOW PROCESS FROM NODE    232.00 TO NODE    233.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (NEW ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1484.00  DOWNSTREAM(FEET) =   1481.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   721.00   CHANNEL SLOPE =  0.0042
  CHANNEL BASE(FEET) =   50.00   "Z" FACTOR =  50.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     10.67
  FLOW VELOCITY(FEET/SEC) =   0.96   FLOW DEPTH(FEET) =   0.19
  TRAVEL TIME(MIN.) =  12.56   Tc(MIN.) =  55.15
  LONGEST FLOWPATH FROM NODE    230.00 TO NODE    233.00 =  1946.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    232.00 TO NODE    233.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.252
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6087
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    1.30   SUBAREA RUNOFF(CFS) =    0.99
  TOTAL AREA(ACRES) =    11.50   TOTAL RUNOFF(CFS) =   11.66
  TC(MIN) =  55.15

****************************************************************************
  FLOW PROCESS FROM NODE    233.00 TO NODE    234.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (NEW ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1481.00  DOWNSTREAM(FEET) =   1478.00
  CHANNEL LENGTH THRU SUBAREA(FEET) =   662.00   CHANNEL SLOPE =  0.0045
  CHANNEL BASE(FEET) =   50.00   "Z" FACTOR =  50.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     11.66
  FLOW VELOCITY(FEET/SEC) =   1.01   FLOW DEPTH(FEET) =   0.19
  TRAVEL TIME(MIN.) =  10.93   Tc(MIN.) =  66.08
  LONGEST FLOWPATH FROM NODE    230.00 TO NODE    234.00 =  2608.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    233.00 TO NODE    234.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.143
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .5906
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    2.90   SUBAREA RUNOFF(CFS) =    1.96
  TOTAL AREA(ACRES) =    14.40   TOTAL RUNOFF(CFS) =   13.62
  TC(MIN) =  66.08

****************************************************************************
  FLOW PROCESS FROM NODE    234.00 TO NODE    235.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (NEW ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1478.00  DOWNSTREAM(FEET) =   1476.30
  CHANNEL LENGTH THRU SUBAREA(FEET) =   700.00   CHANNEL SLOPE =  0.0024
  CHANNEL BASE(FEET) =   50.00   "Z" FACTOR =  50.000
  MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
  CHANNEL FLOW THRU SUBAREA(CFS) =     13.62
  FLOW VELOCITY(FEET/SEC) =   0.85   FLOW DEPTH(FEET) =   0.25
  TRAVEL TIME(MIN.) =  13.68   Tc(MIN.) =  79.76
  LONGEST FLOWPATH FROM NODE    230.00 TO NODE    235.00 =  3308.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    234.00 TO NODE    235.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.041
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .5712
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    2.50   SUBAREA RUNOFF(CFS) =    1.49
  TOTAL AREA(ACRES) =    16.90   TOTAL RUNOFF(CFS) =   15.11
  TC(MIN) =  79.76

****************************************************************************
  FLOW PROCESS FROM NODE    235.00 TO NODE    235.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
  >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
  TIME OF CONCENTRATION(MIN.) =  79.76
  RAINFALL INTENSITY(INCH/HR) =   1.04
  TOTAL STREAM AREA(ACRES) =   16.90
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     15.11

  ** CONFLUENCE DATA **
  STREAM     RUNOFF      Tc      INTENSITY      AREA
  NUMBER      (CFS)    (MIN.)   (INCH/HOUR)    (ACRE)
      1       45.73    61.43       1.186         56.30
      1       46.95    68.06       1.127         56.30
```

```
    1        45.76     79.40        1.043        56.30
    2        15.11     79.76        1.041        16.90

  RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
  CONFLUENCE FORMULA USED FOR  2 STREAMS.

  ** PEAK FLOW RATE TABLE **
  STREAM     RUNOFF      Tc       INTENSITY
  NUMBER      (CFS)    (MIN.)    (INCH/HOUR)
    1        57.37     61.43        1.186
    2        59.84     68.06        1.127
    3        60.80     79.40        1.043
    4        60.77     79.76        1.041

  COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
  PEAK FLOW RATE(CFS) =      60.80   Tc(MIN.) =   79.40
  TOTAL AREA(ACRES) =      73.20
  LONGEST FLOWPATH FROM NODE    210.00 TO NODE    235.00 =  3385.00 FEET.
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)      =      73.20  TC(MIN.) =      79.40
  PEAK FLOW RATE(CFS)    =      60.80
  *** PEAK FLOW RATE TABLE ***
         Q(CFS)    Tc(MIN.)
  1       57.37      61.43
  2       59.84      68.06
  3       60.80      79.40
  4       60.77      79.76
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS

1
```

```
****************************************************************************
          RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM BASED ON
       RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
                  (RCFC&WCD)  1978 HYDROLOGY MANUAL
        (c) Copyright 1982-99 Advanced Engineering Software (aes)
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                         Analysis prepared by:

                          THIENES ENGINEERING
                        16800 VALLEY VIEW AVENUE
                           LA MIRADA CA 90638
                  PH: (714) 521-4811 FAX: (714) 521-4173

 ************************** DESCRIPTION OF STUDY **************************
* MURANAKA SITE                                                            *
* EXISTING CONDITION FOR AREA 4                                            *
* 100-YEAR                                                                 *
 ****************************************************************************

  FILE NAME: C:\XDRIVE\2890\EXHYD3.DAT
  TIME/DATE OF STUDY: 08:02 03/10/2016
----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
----------------------------------------------------------------------------
  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  10-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.010
  10-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  0.820
  100-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.940
  100-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  1.200
  SLOPE OF 10-YEAR INTENSITY-DURATION CURVE =  0.5003939
  SLOPE OF 100-YEAR INTENSITY-DURATION CURVE =  0.5001161
  COMPUTED RAINFALL INTENSITY DATA:
  STORM EVENT =  100.00   1-HOUR INTENSITY(INCH/HOUR) =   1.200
  SLOPE OF INTENSITY DURATION CURVE = 0.5001
  RCFC&WCD HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: CONSIDER ALL CONFLUENCE STREAM COMBINATIONS
        FOR ALL DOWNSTREAM ANALYSES
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

****************************************************************************
  FLOW PROCESS FROM NODE    300.00 TO NODE    301.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
        ASSUMED INITIAL SUBAREA UNIFORM
        DEVELOPMENT IS: UNDEVELOPED WITH FAIR COVER
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH =   748.00
  UPSTREAM ELEVATION =   1482.10
  DOWNSTREAM ELEVATION =   1479.00
  ELEVATION DIFFERENCE =      3.10
  TC = 0.709*[(  748.00**3)/(     3.10)]**.2 =   29.989
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.698
  SOIL CLASSIFICATION IS "C"
  SUBAREA RUNOFF(CFS) =      2.48
  TOTAL AREA(ACRES) =      2.20   TOTAL RUNOFF(CFS) =      2.48

****************************************************************************
  FLOW PROCESS FROM NODE    301.00 TO NODE    302.00 IS CODE =  51
----------------------------------------------------------------------------
  >>>>>COMPUTE TRAPEZOIDAL CHANNEL FLOW<<<<<
  >>>>>TRAVELTIME THRU SUBAREA (EXISTING ELEMENT)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =   1479.00  DOWNSTREAM(FEET) =   1477.70
```

```
CHANNEL LENGTH THRU SUBAREA(FEET) =   482.00   CHANNEL SLOPE =  0.0027
CHANNEL BASE(FEET) =   50.00   "Z" FACTOR =  50.000
MANNING'S FACTOR = 0.030   MAXIMUM DEPTH(FEET) =   1.00
CHANNEL FLOW THRU SUBAREA(CFS) =       2.48
FLOW VELOCITY(FEET/SEC) =   0.48   FLOW DEPTH(FEET) =   0.09
TRAVEL TIME(MIN.) =  16.71   Tc(MIN.) =  46.69
LONGEST FLOWPATH FROM NODE    300.00 TO NODE    302.00 =  1230.00 FEET.

****************************************************************************
FLOW PROCESS FROM NODE    301.00 TO NODE    302.00 IS CODE =  81
----------------------------------------------------------------------------
>>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.360
UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6248
SOIL CLASSIFICATION IS "C"
SUBAREA AREA(ACRES) =    4.40   SUBAREA RUNOFF(CFS) =    3.74
TOTAL AREA(ACRES) =     6.60   TOTAL RUNOFF(CFS) =    6.22
TC(MIN) =  46.69
============================================================================
END OF STUDY SUMMARY:
TOTAL AREA(ACRES)      =      6.60  TC(MIN.) =     46.69
PEAK FLOW RATE(CFS)    =      6.22
============================================================================
============================================================================
END OF RATIONAL METHOD ANALYSIS
```

1

# APPENDIX C

# PROPOSED CONDITION HYDROLOGY CALCULATIONS

```
****************************************************************************
          RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM BASED ON
        RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
                    (RCFC&WCD)  1978 HYDROLOGY MANUAL
         (c) Copyright 1982-99 Advanced Engineering Software (aes)
             Ver. 1.5A Release Date: 01/01/99  License ID 1435

                         Analysis prepared by:

                          THIENES ENGINEERING
                        16800 VALLEY VIEW AVENUE
                           LA MIRADA CA 90638
                  PH: (714) 521-4811 FAX: (714) 521-4173

 ************************** DESCRIPTION OF STUDY **************************
* JOB #2890-D MURANAKA, INDIAN ST & KRAMERIA AVE, MORENO VALLEY            *
* PROPOSED CONDITION 100-YEAR                                              *
* BUILDING 1 NODES 100-118                                                 *
 ***************************************************************************

  FILE NAME: C:\XDRIVE\2890\2890PR1.DAT
  TIME/DATE OF STUDY: 16:09 03/09/2016
----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
----------------------------------------------------------------------------
  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  10-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.010
  10-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  0.820
  100-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.940
  100-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  1.200
  SLOPE OF 10-YEAR INTENSITY-DURATION CURVE =  0.5003939
  SLOPE OF 100-YEAR INTENSITY-DURATION CURVE =  0.5001161
  COMPUTED RAINFALL INTENSITY DATA:
  STORM EVENT =  100.00   1-HOUR INTENSITY(INCH/HOUR) =   1.200
  SLOPE OF INTENSITY DURATION CURVE = 0.5001
  RCFC&WCD HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: CONSIDER ALL CONFLUENCE STREAM COMBINATIONS
        FOR ALL DOWNSTREAM ANALYSES
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
   HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
   WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.  (FT)    (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  =====  ======  =====  =======
 1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

****************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    101.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
        ASSUMED INITIAL SUBAREA UNIFORM
        DEVELOPMENT IS COMMERCIAL
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH =   615.00
  UPSTREAM ELEVATION =   1490.03
  DOWNSTREAM ELEVATION =   1484.31
  ELEVATION DIFFERENCE =      5.72
  TC = 0.303*[(  615.00**3)/(     5.72)]**.2 =   10.079
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.928
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8847
  SOIL CLASSIFICATION IS "C"
  SUBAREA RUNOFF(CFS) =      8.16
  TOTAL AREA(ACRES) =      3.15   TOTAL RUNOFF(CFS) =      8.16

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE    102.00 IS CODE =   9
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =   1484.31
```

```
DOWNSTREAM NODE ELEVATION(FEET) =   1482.40
CHANNEL LENGTH THRU SUBAREA(FEET) =   395.00
"V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.170
PAVEMENT LIP(FEET) =  0.013   MANNING'S N = .0150
PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
MAXIMUM DEPTH(FEET) =   1.00
 100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.584
COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8831
SOIL CLASSIFICATION IS "C"
TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =     13.02
TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.29
AVERAGE FLOW DEPTH(FEET) =   0.48   FLOOD WIDTH(FEET) =   32.94
"V" GUTTER FLOW TRAVEL TIME(MIN.) =   2.87   Tc(MIN.) =  12.95
SUBAREA AREA(ACRES) =    4.25       SUBAREA RUNOFF(CFS) =    9.70
* RAINFALL INTENSITY IS LESS THAN AREA-AVERAGED Fp;
* IMPERVIOUS AREA USED FOR RUNOFF ESTIMATES.
TOTAL AREA(ACRES) =    7.40         PEAK FLOW RATE(CFS) =      17.86

END OF SUBAREA "V" GUTTER HYDRAULICS:
DEPTH(FEET) =  0.53   FLOOD WIDTH(FEET) =   37.41
FLOW VELOCITY(FEET/SEC.) =   2.46   DEPTH*VELOCITY(FT*FT/SEC) =   1.30
LONGEST FLOWPATH FROM NODE    100.00 TO NODE    102.00 =  1010.00 FEET.

****************************************************************************
FLOW PROCESS FROM NODE    102.00 TO NODE    103.00 IS CODE =   9
----------------------------------------------------------------------------
>>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
UPSTREAM NODE ELEVATION(FEET) =   1482.40
DOWNSTREAM NODE ELEVATION(FEET) =   1480.30
CHANNEL LENGTH THRU SUBAREA(FEET) =   415.00
"V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.170
PAVEMENT LIP(FEET) =  0.013   MANNING'S N = .0150
PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
MAXIMUM DEPTH(FEET) =   1.00
 100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.358
COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8818
SOIL CLASSIFICATION IS "C"
TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =     23.32
TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.66
AVERAGE FLOW DEPTH(FEET) =   0.56   FLOOD WIDTH(FEET) =   41.24
"V" GUTTER FLOW TRAVEL TIME(MIN.) =   2.60   Tc(MIN.) =  15.54
SUBAREA AREA(ACRES) =    5.25       SUBAREA RUNOFF(CFS) =   10.92
* RAINFALL INTENSITY IS LESS THAN AREA-AVERAGED Fp;
* IMPERVIOUS AREA USED FOR RUNOFF ESTIMATES.
TOTAL AREA(ACRES) =   12.65         PEAK FLOW RATE(CFS) =      28.77

END OF SUBAREA "V" GUTTER HYDRAULICS:
DEPTH(FEET) =  0.60   FLOOD WIDTH(FEET) =   44.91
FLOW VELOCITY(FEET/SEC.) =   2.78   DEPTH*VELOCITY(FT*FT/SEC) =   1.68
LONGEST FLOWPATH FROM NODE    100.00 TO NODE    103.00 =  1425.00 FEET.

****************************************************************************
FLOW PROCESS FROM NODE    103.00 TO NODE    104.00 IS CODE =   9
----------------------------------------------------------------------------
>>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
UPSTREAM NODE ELEVATION(FEET) =   1480.30
DOWNSTREAM NODE ELEVATION(FEET) =   1478.24
CHANNEL LENGTH THRU SUBAREA(FEET) =   415.00
"V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.170
PAVEMENT LIP(FEET) =  0.013   MANNING'S N = .0150
PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
MAXIMUM DEPTH(FEET) =   1.00
 100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.194
COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8807
SOIL CLASSIFICATION IS "C"
TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =     33.85
TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.86
AVERAGE FLOW DEPTH(FEET) =   0.63   FLOOD WIDTH(FEET) =   48.11
"V" GUTTER FLOW TRAVEL TIME(MIN.) =   2.42   Tc(MIN.) =  17.96
SUBAREA AREA(ACRES) =    5.25       SUBAREA RUNOFF(CFS) =   10.14
* RAINFALL INTENSITY IS LESS THAN AREA-AVERAGED Fp;
* IMPERVIOUS AREA USED FOR RUNOFF ESTIMATES.
TOTAL AREA(ACRES) =   17.90         PEAK FLOW RATE(CFS) =      38.92

END OF SUBAREA "V" GUTTER HYDRAULICS:
DEPTH(FEET) =  0.66   FLOOD WIDTH(FEET) =   50.82
FLOW VELOCITY(FEET/SEC.) =   2.96   DEPTH*VELOCITY(FT*FT/SEC) =   1.95
LONGEST FLOWPATH FROM NODE    100.00 TO NODE    104.00 =  1840.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE     104.00 TO NODE     105.00 IS CODE =   9
----------------------------------------------------------------------------
  >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
  UPSTREAM NODE ELEVATION(FEET) =    1478.24
  DOWNSTREAM NODE ELEVATION(FEET) =    1476.09
  CHANNEL LENGTH THRU SUBAREA(FEET) =    400.00
  "V" GUTTER WIDTH(FEET) =    3.00    GUTTER HIKE(FEET) =  0.170
  PAVEMENT LIP(FEET) =  0.013    MANNING'S N = .0150
  PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
  MAXIMUM DEPTH(FEET) =    1.00
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.075
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8798
  SOIL CLASSIFICATION IS "C"
  TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      45.54
  TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =    3.16
  AVERAGE FLOW DEPTH(FEET) =    0.68    FLOOD WIDTH(FEET) =    53.22
  "V" GUTTER FLOW TRAVEL TIME(MIN.) =    2.11    Tc(MIN.) =  20.07
  SUBAREA AREA(ACRES) =     7.25        SUBAREA RUNOFF(CFS) =    13.24
  * RAINFALL INTENSITY IS LESS THAN AREA-AVERAGED Fp;
  * IMPERVIOUS AREA USED FOR RUNOFF ESTIMATES.
  TOTAL AREA(ACRES) =    25.15          PEAK FLOW RATE(CFS) =       52.15

  END OF SUBAREA "V" GUTTER HYDRAULICS:
  DEPTH(FEET) =  0.71    FLOOD WIDTH(FEET) =    56.09
  FLOW VELOCITY(FEET/SEC.) =    3.26    DEPTH*VELOCITY(FT*FT/SEC) =    2.33
  LONGEST FLOWPATH FROM NODE     100.00 TO NODE     105.00 =  2240.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     105.00 TO NODE     106.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1470.09  DOWNSTREAM(FEET) =  1467.00
  FLOW LENGTH(FEET) =    385.00    MANNING'S N =  0.012
  DEPTH OF FLOW IN  36.0 INCH PIPE IS  25.0 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =    9.97
  ESTIMATED PIPE DIAMETER(INCH) =  36.00     NUMBER OF PIPES =    1
  PIPE-FLOW(CFS) =      52.15
  PIPE TRAVEL TIME(MIN.) =    0.64     Tc(MIN.) =  20.71
  LONGEST FLOWPATH FROM NODE     100.00 TO NODE     106.00 =  2625.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE     106.00 TO NODE     118.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.043
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6959
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =     2.20    SUBAREA RUNOFF(CFS) =     3.13
  TOTAL AREA(ACRES) =    27.35    TOTAL RUNOFF(CFS) =    55.28
  TC(MIN) =  20.71

****************************************************************************
  FLOW PROCESS FROM NODE     118.00 TO NODE     118.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =  20.71
  RAINFALL INTENSITY(INCH/HR) =    2.04
  TOTAL STREAM AREA(ACRES) =    27.35
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      55.28

****************************************************************************
  FLOW PROCESS FROM NODE     110.00 TO NODE     111.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
        ASSUMED INITIAL SUBAREA UNIFORM
        DEVELOPMENT IS COMMERCIAL
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH =    570.00
  UPSTREAM ELEVATION =    1490.03
  DOWNSTREAM ELEVATION =    1484.30
```

```
 ELEVATION DIFFERENCE =       5.73
 TC = 0.303*[(  570.00**3)/(     5.73)]**.2 =    9.627
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.996
 COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8850
 SOIL CLASSIFICATION IS "C"
 SUBAREA RUNOFF(CFS) =       9.28
 TOTAL AREA(ACRES) =       3.50   TOTAL RUNOFF(CFS) =       9.28

****************************************************************************
 FLOW PROCESS FROM NODE    111.00 TO NODE    112.00 IS CODE =   9
----------------------------------------------------------------------------
 >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
 UPSTREAM NODE ELEVATION(FEET) =   1484.30
 DOWNSTREAM NODE ELEVATION(FEET) =   1482.40
 CHANNEL LENGTH THRU SUBAREA(FEET) =   395.00
 "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.170
 PAVEMENT LIP(FEET) =  0.013   MANNING'S N = .0150
 PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
 MAXIMUM DEPTH(FEET) =   1.00
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.639
 COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8834
 SOIL CLASSIFICATION IS "C"
 TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =     14.71
 TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.37
 AVERAGE FLOW DEPTH(FEET) =   0.50   FLOOD WIDTH(FEET) =   34.53
 "V" GUTTER FLOW TRAVEL TIME(MIN.) =   2.78   Tc(MIN.) =  12.41
 SUBAREA AREA(ACRES) =    4.65       SUBAREA RUNOFF(CFS) =   10.84
 * RAINFALL INTENSITY IS LESS THAN AREA-AVERAGED Fp;
 * IMPERVIOUS AREA USED FOR RUNOFF ESTIMATES.
 TOTAL AREA(ACRES) =    8.15         PEAK FLOW RATE(CFS) =      20.12

 END OF SUBAREA "V" GUTTER HYDRAULICS:
 DEPTH(FEET) =  0.55   FLOOD WIDTH(FEET) =   39.32
 FLOW VELOCITY(FEET/SEC.) =   2.52   DEPTH*VELOCITY(FT*FT/SEC) =   1.38
 LONGEST FLOWPATH FROM NODE    110.00 TO NODE    112.00 =   965.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    112.00 TO NODE    113.00 IS CODE =   9
----------------------------------------------------------------------------
 >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
 UPSTREAM NODE ELEVATION(FEET) =   1482.40
 DOWNSTREAM NODE ELEVATION(FEET) =   1480.30
 CHANNEL LENGTH THRU SUBAREA(FEET) =   415.00
 "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.170
 PAVEMENT LIP(FEET) =  0.013   MANNING'S N = .0150
 PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
 MAXIMUM DEPTH(FEET) =   1.00
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.406
 COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8821
 SOIL CLASSIFICATION IS "C"
 TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =     26.76
 TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.74
 AVERAGE FLOW DEPTH(FEET) =   0.59   FLOOD WIDTH(FEET) =   43.64
 "V" GUTTER FLOW TRAVEL TIME(MIN.) =   2.52   Tc(MIN.) =  14.93
 SUBAREA AREA(ACRES) =    6.25       SUBAREA RUNOFF(CFS) =   13.26
 * RAINFALL INTENSITY IS LESS THAN AREA-AVERAGED Fp;
 * IMPERVIOUS AREA USED FOR RUNOFF ESTIMATES.
 TOTAL AREA(ACRES) =   14.40         PEAK FLOW RATE(CFS) =      33.39

 END OF SUBAREA "V" GUTTER HYDRAULICS:
 DEPTH(FEET) =  0.63   FLOOD WIDTH(FEET) =   47.63
 FLOW VELOCITY(FEET/SEC.) =   2.88   DEPTH*VELOCITY(FT*FT/SEC) =   1.81
 LONGEST FLOWPATH FROM NODE    110.00 TO NODE    113.00 =  1380.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    113.00 TO NODE    114.00 IS CODE =   9
----------------------------------------------------------------------------
 >>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
 UPSTREAM NODE ELEVATION(FEET) =   1480.30
 DOWNSTREAM NODE ELEVATION(FEET) =   1478.24
 CHANNEL LENGTH THRU SUBAREA(FEET) =   415.00
 "V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.170
 PAVEMENT LIP(FEET) =  0.013   MANNING'S N = .0150
 PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
 MAXIMUM DEPTH(FEET) =   1.00
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.237
 COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8810
```

```
SOIL CLASSIFICATION IS "C"
TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =     38.91
TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   2.96
AVERAGE FLOW DEPTH(FEET) =   0.66   FLOOD WIDTH(FEET) =   50.82
"V" GUTTER FLOW TRAVEL TIME(MIN.) =   2.34   Tc(MIN.) =  17.27
SUBAREA AREA(ACRES) =    5.60       SUBAREA RUNOFF(CFS) =   11.04
* RAINFALL INTENSITY IS LESS THAN AREA-AVERAGED Fp;
* IMPERVIOUS AREA USED FOR RUNOFF ESTIMATES.
TOTAL AREA(ACRES) =   20.00         PEAK FLOW RATE(CFS) =      44.42

END OF SUBAREA "V" GUTTER HYDRAULICS:
DEPTH(FEET) =  0.69   FLOOD WIDTH(FEET) =   53.53
FLOW VELOCITY(FEET/SEC.) =   3.05   DEPTH*VELOCITY(FT*FT/SEC) =   2.10
LONGEST FLOWPATH FROM NODE    110.00 TO NODE    114.00 =  1795.00 FEET.

****************************************************************************
FLOW PROCESS FROM NODE    114.00 TO NODE    115.00 IS CODE =   9
----------------------------------------------------------------------------
>>>>>COMPUTE "V" GUTTER FLOW TRAVEL TIME THRU SUBAREA<<<<<
============================================================================
UPSTREAM NODE ELEVATION(FEET) =   1478.24
DOWNSTREAM NODE ELEVATION(FEET) =   1475.00
CHANNEL LENGTH THRU SUBAREA(FEET) =   620.00
"V" GUTTER WIDTH(FEET) =   3.00   GUTTER HIKE(FEET) =  0.170
PAVEMENT LIP(FEET) =  0.013   MANNING'S N = .0150
PAVEMENT CROSSFALL(DECIMAL NOTATION) = 0.02000
MAXIMUM DEPTH(FEET) =   1.00
 100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.053
COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8797
SOIL CLASSIFICATION IS "C"
TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =     49.53
TRAVEL TIME THRU SUBAREA BASED ON VELOCITY(FEET/SEC.) =   3.19
AVERAGE FLOW DEPTH(FEET) =   0.71   FLOOD WIDTH(FEET) =   55.29
"V" GUTTER FLOW TRAVEL TIME(MIN.) =   3.24   Tc(MIN.) =  20.51
SUBAREA AREA(ACRES) =    5.65       SUBAREA RUNOFF(CFS) =   10.20
* RAINFALL INTENSITY IS LESS THAN AREA-AVERAGED Fp;
* IMPERVIOUS AREA USED FOR RUNOFF ESTIMATES.
TOTAL AREA(ACRES) =   25.65         PEAK FLOW RATE(CFS) =      54.62

END OF SUBAREA "V" GUTTER HYDRAULICS:
DEPTH(FEET) =  0.73   FLOOD WIDTH(FEET) =   57.37
FLOW VELOCITY(FEET/SEC.) =   3.27   DEPTH*VELOCITY(FT*FT/SEC) =   2.37
LONGEST FLOWPATH FROM NODE    110.00 TO NODE    115.00 =  2415.00 FEET.

****************************************************************************
FLOW PROCESS FROM NODE    115.00 TO NODE    116.00 IS CODE =  61
----------------------------------------------------------------------------
>>>>>COMPUTE STREET FLOW TRAVEL TIME THRU SUBAREA<<<<<
>>>>>(STANDARD CURB SECTION USED)<<<<<
============================================================================
UPSTREAM ELEVATION(FEET) = 1475.00  DOWNSTREAM ELEVATION(FEET) = 1474.34
STREET LENGTH(FEET) =   115.00   CURB HEIGHT(INCHES) =  8.0
STREET HALFWIDTH(FEET) = 30.00

DISTANCE FROM CROWN TO CROSSFALL GRADEBREAK(FEET) =  20.00
INSIDE STREET CROSSFALL(DECIMAL) =  0.018
OUTSIDE STREET CROSSFALL(DECIMAL)  =  0.018

SPECIFIED NUMBER OF HALFSTREETS CARRYING RUNOFF =  1
STREET PARKWAY CROSSFALL(DECIMAL)  =  0.020
Manning's FRICTION FACTOR for Streetflow Section(curb-to-curb) =   0.0149
Manning's FRICTION FACTOR for Back-of-Walk Flow Section =   0.0200

  **TRAVEL TIME COMPUTED USING ESTIMATED FLOW(CFS) =      57.92
  ***STREET FLOWING FULL***
  STREETFLOW MODEL RESULTS USING ESTIMATED FLOW:
  STREET FLOW DEPTH(FEET) =  0.72
  HALFSTREET FLOOD WIDTH(FEET) =   32.91
  AVERAGE FLOW VELOCITY(FEET/SEC.) =    3.19
  PRODUCT OF DEPTH&VELOCITY(FT*FT/SEC.) =    2.31
STREET FLOW TRAVEL TIME(MIN.) =   0.60   Tc(MIN.) =  21.11
 100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.023
COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8794
SOIL CLASSIFICATION IS "C"
SUBAREA AREA(ACRES) =    3.70       SUBAREA RUNOFF(CFS) =    6.58
TOTAL AREA(ACRES) =   29.35         PEAK FLOW RATE(CFS) =      61.21

END OF SUBAREA STREET FLOW HYDRAULICS:
DEPTH(FEET) = 0.73   HALFSTREET FLOOD WIDTH(FEET) =  33.39
FLOW VELOCITY(FEET/SEC.) =  3.25   DEPTH*VELOCITY(FT*FT/SEC.) =   2.39
```

```
 LONGEST FLOWPATH FROM NODE    110.00 TO NODE    116.00 =  2530.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    116.00 TO NODE    117.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1468.89  DOWNSTREAM(FEET) =  1467.00
 FLOW LENGTH(FEET) =   284.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  39.0 INCH PIPE IS  27.9 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   9.64
 ESTIMATED PIPE DIAMETER(INCH) =  39.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =     61.21
 PIPE TRAVEL TIME(MIN.) =   0.49    Tc(MIN.) =  21.60
 LONGEST FLOWPATH FROM NODE    110.00 TO NODE    117.00 =  2814.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    117.00 TO NODE    118.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.000
 UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6926
 SOIL CLASSIFICATION IS "C"
 SUBAREA AREA(ACRES) =    1.70   SUBAREA RUNOFF(CFS) =    2.35
 TOTAL AREA(ACRES) =    31.05   TOTAL RUNOFF(CFS) =   63.56
 TC(MIN) =  21.60

****************************************************************************
 FLOW PROCESS FROM NODE    118.00 TO NODE    118.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.000
 UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6926
 SOIL CLASSIFICATION IS "C"
 SUBAREA AREA(ACRES) =    0.75   SUBAREA RUNOFF(CFS) =    1.04
 TOTAL AREA(ACRES) =    31.80   TOTAL RUNOFF(CFS) =   64.60
 TC(MIN) =  21.60

****************************************************************************
 FLOW PROCESS FROM NODE    118.00 TO NODE    118.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.000
 UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6926
 SOIL CLASSIFICATION IS "C"
 SUBAREA AREA(ACRES) =    2.40   SUBAREA RUNOFF(CFS) =    3.32
 TOTAL AREA(ACRES) =    34.20   TOTAL RUNOFF(CFS) =   67.93
 TC(MIN) =  21.60

****************************************************************************
 FLOW PROCESS FROM NODE    118.00 TO NODE    118.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =  21.60
 RAINFALL INTENSITY(INCH/HR) =   2.00
 TOTAL STREAM AREA(ACRES) =   34.20
 PEAK FLOW RATE(CFS) AT CONFLUENCE =     67.93

 ** CONFLUENCE DATA **
 STREAM     RUNOFF      Tc      INTENSITY      AREA
 NUMBER      (CFS)    (MIN.)   (INCH/HOUR)    (ACRE)
    1        55.28    20.71       2.043        27.35
    2        67.93    21.60       2.000        34.20

 RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
 CONFLUENCE FORMULA USED FOR  2 STREAMS.

 ** PEAK FLOW RATE TABLE **
 STREAM     RUNOFF      Tc      INTENSITY
 NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
    1       120.40    20.71       2.043
    2       122.05    21.60       2.000
```

```
COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
PEAK FLOW RATE(CFS) =    122.05   Tc(MIN.) =   21.60
TOTAL AREA(ACRES) =      61.55
LONGEST FLOWPATH FROM NODE    110.00 TO NODE    118.00 =  2814.00 FEET.
============================================================================
END OF STUDY SUMMARY:
TOTAL AREA(ACRES)      =     61.55  TC(MIN.) =     21.60
PEAK FLOW RATE(CFS)    =    122.05
*** PEAK FLOW RATE TABLE ***
        Q(CFS)   Tc(MIN.)
1       120.40      20.71
2       122.05      21.60
============================================================================
============================================================================
END OF RATIONAL METHOD ANALYSIS
```

1

```
****************************************************************************
          RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM BASED ON
       RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
                  (RCFC&WCD)  1978 HYDROLOGY MANUAL
        (c) Copyright 1982-99 Advanced Engineering Software (aes)
            Ver. 1.5A Release Date: 01/01/99  License ID 1435

                        Analysis prepared by:

                          THIENES ENGINEERING
                        16800 VALLEY VIEW AVENUE
                           LA MIRADA CA 90638
                  PH: (714) 521-4811 FAX: (714) 521-4173

 ************************** DESCRIPTION OF STUDY **************************
* JOB #2890-D MURANAKA, INDIAN ST & KRAMERIA AVE, MORENO VALLEY            *
* PROPOSED CONDITION 100-YEAR                                              *
* BUILDING 2 NODES 200-202                                                 *
 ***************************************************************************

  FILE NAME: C:\XDRIVE\2890\2890PR2.DAT
  TIME/DATE OF STUDY: 16:31 03/09/2016
----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
----------------------------------------------------------------------------
  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  10-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.010
  10-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  0.820
  100-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.940
  100-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  1.200
  SLOPE OF 10-YEAR INTENSITY-DURATION CURVE =  0.5003939
  SLOPE OF 100-YEAR INTENSITY-DURATION CURVE =  0.5001161
  COMPUTED RAINFALL INTENSITY DATA:
  STORM EVENT =  100.00   1-HOUR INTENSITY(INCH/HOUR) =   1.200
  SLOPE OF INTENSITY DURATION CURVE = 0.5001
  RCFC&WCD HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
 *NOTE: CONSIDER ALL CONFLUENCE STREAM COMBINATIONS
       FOR ALL DOWNSTREAM ANALYSES
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
    HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
    WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.  (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  =====  ======  =====  =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

****************************************************************************
  FLOW PROCESS FROM NODE    200.00 TO NODE    201.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
         ASSUMED INITIAL SUBAREA UNIFORM
         DEVELOPMENT IS COMMERCIAL
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH =   984.00
  UPSTREAM ELEVATION =   1490.00
  DOWNSTREAM ELEVATION =   1482.36
  ELEVATION DIFFERENCE =      7.64
  TC = 0.303*[(  984.00**3)/(     7.64)]**.2 =   12.611
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.618
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8832
  SOIL CLASSIFICATION IS "C"
  SUBAREA RUNOFF(CFS) =     14.45
  TOTAL AREA(ACRES) =      6.25   TOTAL RUNOFF(CFS) =     14.45

****************************************************************************
  FLOW PROCESS FROM NODE    201.00 TO NODE    202.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
```

```
ELEVATION DATA: UPSTREAM(FEET) =  1478.41  DOWNSTREAM(FEET) =  1475.00
FLOW LENGTH(FEET) =    40.00   MANNING'S N =  0.012
DEPTH OF FLOW IN  15.0 INCH PIPE IS   9.5 INCHES
PIPE-FLOW VELOCITY(FEET/SEC.) =  17.69
ESTIMATED PIPE DIAMETER(INCH) =  15.00    NUMBER OF PIPES =   1
PIPE-FLOW(CFS) =     14.45
PIPE TRAVEL TIME(MIN.) =   0.04    Tc(MIN.) =  12.65
LONGEST FLOWPATH FROM NODE    200.00 TO NODE    202.00 =  1024.00 FEET.

****************************************************************************
FLOW PROCESS FROM NODE    202.00 TO NODE    202.00 IS CODE =  81
----------------------------------------------------------------------------
>>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.614
UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .7322
SOIL CLASSIFICATION IS "C"
SUBAREA AREA(ACRES) =    0.70   SUBAREA RUNOFF(CFS) =    1.34
TOTAL AREA(ACRES) =     6.95   TOTAL RUNOFF(CFS) =   15.79
TC(MIN) =  12.65
============================================================================
END OF STUDY SUMMARY:
TOTAL AREA(ACRES)     =      6.95  TC(MIN.) =     12.65
PEAK FLOW RATE(CFS)   =     15.79
============================================================================
============================================================================
END OF RATIONAL METHOD ANALYSIS
```

1

```
****************************************************************************
          RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM BASED ON
       RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
                  (RCFC&WCD)  1978 HYDROLOGY MANUAL
        (c) Copyright 1982-99 Advanced Engineering Software (aes)
            Ver. 1.5A Release Date: 01/01/99  License ID 1435

                        Analysis prepared by:

                         THIENES ENGINEERING
                       16800 VALLEY VIEW AVENUE
                          LA MIRADA CA 90638
                  PH: (714) 521-4811 FAX: (714) 521-4173

 ************************** DESCRIPTION OF STUDY **************************
* JOB #2890-D MURANAKA, INDIAN ST & KRAMERIA AVE, MORENO VALLEY            *
* PROPOSED CONDITION 100-YEAR                                              *
* BUILDING 3 NODES 300-313                                                 *
 ***************************************************************************

  FILE NAME: C:\XDRIVE\2890\2890PR3.DAT
  TIME/DATE OF STUDY: 16:33 03/09/2016
----------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
----------------------------------------------------------------------------
  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  10-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.010
  10-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  0.820
  100-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.940
  100-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  1.200
  SLOPE OF 10-YEAR INTENSITY-DURATION CURVE =  0.5003939
  SLOPE OF 100-YEAR INTENSITY-DURATION CURVE =  0.5001161
  COMPUTED RAINFALL INTENSITY DATA:
  STORM EVENT =  100.00   1-HOUR INTENSITY(INCH/HOUR) =   1.200
  SLOPE OF INTENSITY DURATION CURVE = 0.5001
  RCFC&WCD HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: CONSIDER ALL CONFLUENCE STREAM COMBINATIONS
        FOR ALL DOWNSTREAM ANALYSES
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
    HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
    WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.  (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  ==================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

****************************************************************************
  FLOW PROCESS FROM NODE    300.00 TO NODE    301.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
         ASSUMED INITIAL SUBAREA UNIFORM
         DEVELOPMENT IS COMMERCIAL
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH =   380.00
  UPSTREAM ELEVATION =   1478.80
  DOWNSTREAM ELEVATION =   1476.12
  ELEVATION DIFFERENCE =      2.68
  TC = 0.303*[(  380.00**3)/(     2.68)]**.2 =    8.787
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.136
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8856
  SOIL CLASSIFICATION IS "C"
  SUBAREA RUNOFF(CFS) =      4.03
  TOTAL AREA(ACRES) =      1.45   TOTAL RUNOFF(CFS) =      4.03

****************************************************************************
  FLOW PROCESS FROM NODE    301.00 TO NODE    302.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
```

```
  ELEVATION DATA: UPSTREAM(FEET) =  1472.12  DOWNSTREAM(FEET) =  1471.22
  FLOW LENGTH(FEET) =   180.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  15.0 INCH PIPE IS  10.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.40
  ESTIMATED PIPE DIAMETER(INCH) =  15.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      4.03
  PIPE TRAVEL TIME(MIN.) =   0.68    Tc(MIN.) =   9.47
  LONGEST FLOWPATH FROM NODE    300.00 TO NODE    302.00 =   560.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    302.00 TO NODE    302.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.021
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8851
  SOIL CLASSIFICATION IS "C"
  SUBAREA AREA(ACRES) =    1.25   SUBAREA RUNOFF(CFS) =    3.34
  TOTAL AREA(ACRES) =     2.70   TOTAL RUNOFF(CFS) =    7.37
  TC(MIN) =   9.47

****************************************************************************
  FLOW PROCESS FROM NODE    302.00 TO NODE    302.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.021
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6683
  SOIL CLASSIFICATION IS "B"
  SUBAREA AREA(ACRES) =    0.25   SUBAREA RUNOFF(CFS) =    0.50
  TOTAL AREA(ACRES) =     2.95   TOTAL RUNOFF(CFS) =    7.88
  TC(MIN) =   9.47

****************************************************************************
  FLOW PROCESS FROM NODE    302.00 TO NODE    312.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1471.22  DOWNSTREAM(FEET) =  1468.52
  FLOW LENGTH(FEET) =   540.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  21.0 INCH PIPE IS  12.5 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.26
  ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      7.88
  PIPE TRAVEL TIME(MIN.) =   1.71    Tc(MIN.) =  11.18
  LONGEST FLOWPATH FROM NODE    300.00 TO NODE    312.00 =  1100.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    312.00 TO NODE    312.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =  11.18
  RAINFALL INTENSITY(INCH/HR) =   2.78
  TOTAL STREAM AREA(ACRES) =    2.95
  PEAK FLOW RATE(CFS) AT CONFLUENCE =      7.88

****************************************************************************
  FLOW PROCESS FROM NODE    310.00 TO NODE    311.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
         ASSUMED INITIAL SUBAREA UNIFORM
         DEVELOPMENT IS COMMERCIAL
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH =   450.00
  UPSTREAM ELEVATION =   1477.70
  DOWNSTREAM ELEVATION =   1475.38
  ELEVATION DIFFERENCE =      2.32
  TC = 0.303*[(  450.00**3)/(     2.32)]**.2 =   10.010
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.939
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8848
  SOIL CLASSIFICATION IS "C"
  SUBAREA RUNOFF(CFS) =      7.28
  TOTAL AREA(ACRES) =      2.80   TOTAL RUNOFF(CFS) =      7.28

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

```
 FLOW PROCESS FROM NODE    311.00 TO NODE    312.00 IS CODE =  31
----------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
======================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1471.38  DOWNSTREAM(FEET) =  1468.52
 FLOW LENGTH(FEET) =    65.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  12.0 INCH PIPE IS   9.1 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =  11.40
 ESTIMATED PIPE DIAMETER(INCH) =  12.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      7.28
 PIPE TRAVEL TIME(MIN.) =   0.09    Tc(MIN.) =  10.10
 LONGEST FLOWPATH FROM NODE    310.00 TO NODE    312.00 =   515.00 FEET.

**********************************************************************
 FLOW PROCESS FROM NODE    312.00 TO NODE    312.00 IS CODE =   1
----------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
======================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =  10.10
 RAINFALL INTENSITY(INCH/HR) =   2.92
 TOTAL STREAM AREA(ACRES) =    2.80
 PEAK FLOW RATE(CFS) AT CONFLUENCE =      7.28

 ** CONFLUENCE DATA **
 STREAM     RUNOFF      Tc      INTENSITY      AREA
 NUMBER      (CFS)    (MIN.)   (INCH/HOUR)    (ACRE)
   1         7.88    11.18        2.781          2.95
   2         7.28    10.10        2.925          2.80

 RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
 CONFLUENCE FORMULA USED FOR  2 STREAMS.

 ** PEAK FLOW RATE TABLE **
 STREAM     RUNOFF      Tc      INTENSITY
 NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
    1       14.40    10.10       2.925
    2       14.80    11.18       2.781

 COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
 PEAK FLOW RATE(CFS) =     14.80   Tc(MIN.) =   11.18
 TOTAL AREA(ACRES) =      5.75
 LONGEST FLOWPATH FROM NODE    300.00 TO NODE    312.00 =  1100.00 FEET.

**********************************************************************
 FLOW PROCESS FROM NODE    312.00 TO NODE    313.00 IS CODE =  31
----------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
======================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1468.52  DOWNSTREAM(FEET) =  1467.50
 FLOW LENGTH(FEET) =    95.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  21.0 INCH PIPE IS  14.9 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   8.09
 ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =     14.80
 PIPE TRAVEL TIME(MIN.) =   0.20    Tc(MIN.) =  11.37
 LONGEST FLOWPATH FROM NODE    300.00 TO NODE    313.00 =  1195.00 FEET.

**********************************************************************
 FLOW PROCESS FROM NODE    313.00 TO NODE    313.00 IS CODE =  81
----------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
======================================================================
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.757
 UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .7393
 SOIL CLASSIFICATION IS "C"
 SUBAREA AREA(ACRES) =    0.50   SUBAREA RUNOFF(CFS) =    1.02
 TOTAL AREA(ACRES) =     6.25   TOTAL RUNOFF(CFS) =   15.82
 TC(MIN) =  11.37
======================================================================
 END OF STUDY SUMMARY:
 TOTAL AREA(ACRES)      =      6.25  TC(MIN.) =     11.37
 PEAK FLOW RATE(CFS)    =     15.82
 *** PEAK FLOW RATE TABLE ***
        Q(CFS)   Tc(MIN.)
 1       15.48      10.30
```

```
  2        15.82       11.37
=============================================================================
=============================================================================
  END OF RATIONAL METHOD ANALYSIS
```

1

```
****************************************************************************
          RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM BASED ON
       RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
                  (RCFC&WCD)  1978 HYDROLOGY MANUAL
        (c) Copyright 1982-99 Advanced Engineering Software (aes)
            Ver. 1.5A Release Date: 01/01/99  License ID 1435

                         Analysis prepared by:

                          THIENES ENGINEERING
                        16800 VALLEY VIEW AVENUE
                           LA MIRADA CA 90638
                  PH: (714) 521-4811 FAX: (714) 521-4173

 ************************** DESCRIPTION OF STUDY **************************
* JOB #2890-D MURANAKA, INDIAN ST & KRAMERIA AVE, MORENO VALLEY            *
* PROPOSED CONDITION 100-YEAR                                              *
* BUILDING 4 NODES 400-402                                                 *
 ***************************************************************************

  FILE NAME: C:\XDRIVE\2890\2890PR4.DAT
  TIME/DATE OF STUDY: 16:32 03/09/2016
---------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
---------------------------------------------------------------------------
  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  10-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.010
  10-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  0.820
  100-YEAR STORM 10-MINUTE INTENSITY(INCH/HOUR) =  2.940
  100-YEAR STORM 60-MINUTE INTENSITY(INCH/HOUR) =  1.200
  SLOPE OF 10-YEAR INTENSITY-DURATION CURVE =  0.5003939
  SLOPE OF 100-YEAR INTENSITY-DURATION CURVE =  0.5001161
  COMPUTED RAINFALL INTENSITY DATA:
  STORM EVENT =  100.00   1-HOUR INTENSITY(INCH/HOUR) =   1.200
  SLOPE OF INTENSITY DURATION CURVE = 0.5001
  RCFC&WCD HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: CONSIDER ALL CONFLUENCE STREAM COMBINATIONS
        FOR ALL DOWNSTREAM ANALYSES
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

****************************************************************************
  FLOW PROCESS FROM NODE    400.00 TO NODE    401.00 IS CODE =  21
---------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
===========================================================================
        ASSUMED INITIAL SUBAREA UNIFORM
        DEVELOPMENT IS COMMERCIAL
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH =   864.00
  UPSTREAM ELEVATION =   1492.30
  DOWNSTREAM ELEVATION =   1484.14
  ELEVATION DIFFERENCE =      8.16
  TC = 0.303*[(  864.00**3)/(     8.16)]**.2 =   11.512
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.740
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8839
  SOIL CLASSIFICATION IS "C"
  SUBAREA RUNOFF(CFS) =     19.37
  TOTAL AREA(ACRES) =      8.00   TOTAL RUNOFF(CFS) =     19.37

****************************************************************************
  FLOW PROCESS FROM NODE    401.00 TO NODE    402.00 IS CODE =  31
---------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
===========================================================================
```

```
ELEVATION DATA: UPSTREAM(FEET) =  1480.14  DOWNSTREAM(FEET) =  1476.50
FLOW LENGTH(FEET) =   195.00   MANNING'S N =  0.012
DEPTH OF FLOW IN  21.0 INCH PIPE IS  14.8 INCHES
PIPE-FLOW VELOCITY(FEET/SEC.) =  10.66
ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
PIPE-FLOW(CFS) =     19.37
PIPE TRAVEL TIME(MIN.) =   0.30    Tc(MIN.) =  11.82
LONGEST FLOWPATH FROM NODE    400.00 TO NODE    402.00 =  1059.00 FEET.

****************************************************************************
FLOW PROCESS FROM NODE    402.00 TO NODE    402.00 IS CODE =  81
----------------------------------------------------------------------------
>>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.704
UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .7368
SOIL CLASSIFICATION IS "C"
SUBAREA AREA(ACRES) =    0.65   SUBAREA RUNOFF(CFS) =    1.30
TOTAL AREA(ACRES) =     8.65   TOTAL RUNOFF(CFS) =   20.67
TC(MIN) =  11.82
============================================================================
END OF STUDY SUMMARY:
TOTAL AREA(ACRES)      =      8.65  TC(MIN.) =     11.82
PEAK FLOW RATE(CFS)    =     20.67
============================================================================
============================================================================
END OF RATIONAL METHOD ANALYSIS
```

# APPENDIX D

# DETENTION ANALYSIS

BUILDING 1

MORENO VALLEY LOGISTICS CENTER, INDIAN STREET, MORENO VALLEY
BASIN #3

| Elevation | Depth (feet) | Area (s.f.) | Volume (c.f.) | Σ Volume (c.f.) | Σ Volume (ac-ft) |
|---|---|---|---|---|---|
| 1476.45 | 0.00 | 9470 | | | |
| | | | 3253 | 3253 | 0.075 |
| 1476.78 | 0.33 | 10245 | | | |
| | | | 3512 | 6765 | 0.155 |
| 1477.11 | 0.66 | 11040 | | | |
| | | | 3778 | 10543 | 0.242 |
| 1477.44 | 0.99 | 11855 | | | |
| | | | 4050 | 14593 | 0.335 |
| 1477.77 | 1.32 | 12690 | | | |
| | | | 4327 | 18920 | 0.434 |
| 1478.10 | 1.65 | 13535 | | | |
| | | | 4610 | 23530 | 0.540 |
| 1478.43 | 1.98 | 14405 | | | |
| | | | 4900 | 28429 | 0.653 |
| 1478.76 | 2.31 | 15290 | | | |
| | | | 5194 | 33624 | 0.772 |
| 1479.09 | 2.64 | 16190 | | | |
| | | | 5490 | 39114 | 0.898 |
| 1479.42 | 2.97 | 17085 | | | |
| | | | 2247 | 41361 | 0.950 |
| 1479.55 | 3.10 | 17480 | | | |
| | | | 3553 | 44914 | 1.031 |
| 1479.75 | 3.30 | 18050 | | | |
| | | | 6115 | 51029 | 1.171 |
| 1480.08 | 3.63 | 19010 | | | |
| | | | 6434 | 57463 | 1.319 |
| 1480.41 | 3.96 | 19985 | | | |
| | | | 6758 | 64221 | 1.474 |
| 1480.74 | 4.29 | 20975 | | | |
| | | | 7088 | 71310 | 1.637 |
| 1481.07 | 4.62 | 21985 | | | |
| | | | 5994 | 77304 | 1.775 |
| 1481.31 | 4.86 | 27965 | | | |

WATER QUALITY VOLUME

MORENO VALLEY LOGISTICS CENTER, INDIAN STREET, MORENO VALLEY
BASIN #4

| Elevation | Depth (feet) | Area (s.f.) | Volume (c.f.) | Σ Volume (c.f.) | Σ Volume (ac-ft) |
|---|---|---|---|---|---|
| 1472.15 | 0.00 | 63905 | | | |
| | | | 21349 | 21349 | 0.490 |
| 1472.48 | 0.33 | 65485 | | | |
| | | | 22545 | 43895 | 1.008 |
| 1472.82 | 0.67 | 67135 | | | |
| | | | 8092 | 51986 | 1.193 |
| 1472.94 | 0.79 | 67725 | | | |
| | | | 4077 | 56063 | 1.287 |
| 1473.00 | 0.85 | 68165 | | | |
| | | | 10259 | 66322 | 1.523 |
| 1473.15 | 1.00 | 68615 | | | |
| | | | 59844 | 126166 | 2.896 |
| 1474.00 | 1.85 | 72195 | | | |
| | | | 74328 | 200493 | 4.603 |
| 1475.00 | 2.85 | 76460 | | | |
| | | | 78620 | 279113 | 6.408 |
| 1476.00 | 3.85 | 80780 | | | |
| | | | 82985 | 362098 | 8.313 |
| 1477.00 | 4.85 | 85190 | | | |

WATER QUALITY VOLUME

ADDITIONAL STORAGE

MORENO VALLEY LOGISTICS CENTER, INDIAN STREET, MORENO VALLEY
BASIN #5

| Elevation | Depth (feet) | Area (s.f.) | Volume (c.f.) | Σ Volume (c.f.) | Σ Volume (ac-ft) | |
|---|---|---|---|---|---|---|
| 1472.15 | 0.00 | 45355 | | | | |
| | | | 15219 | 15219 | 0.349 | |
| 1472.48 | 0.33 | 46880 | | | | WATER QUALITY VOLUME |
| | | | 15242 | 30461 | 0.699 | |
| 1472.80 | 0.65 | 48385 | | | | |
| | | | 969 | 31430 | 0.722 | |
| 1472.82 | 0.67 | 48480 | | | | |
| | | | 1456 | 32886 | 0.755 | |
| 1472.85 | 0.70 | 48620 | | | | |
| | | | 7344 | 40230 | 0.924 | |
| 1473.00 | 0.85 | 49300 | | | | |
| | | | 51350 | 91580 | 2.102 | ADDITIONAL STORAGE |
| 1474.00 | 1.85 | 53400 | | | | |
| | | | 55498 | 147078 | 3.376 | |
| 1475.00 | 2.85 | 57595 | | | | |
| | | | 59738 | 206815 | 4.748 | |
| 1476.00 | 3.85 | 61880 | | | | |
| | | | 64070 | 270885 | 6.219 | |
| 1477.00 | 4.85 | 66260 | | | | |

# Hydrologic Summary

BUILDING 1
EXIST. CONDITION

## Watershed Characteristics

| | | |
|---|---|---|
| Area | (acres) | 61.55 |
| Soil | | C |
| Cover | | open space |

## Hydrograph Parameters

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Rainfall - 24-hr | (inches) | 4.0 | 2.6 | 2.2 | 1.6 | |
| Rainfall - 6-hr | (inches) | 2.5 | 1.7 | 1.4 | 1.0 | |
| Rainfall - 3-hr | (inches) | 1.9 | 1.3 | 1.1 | 0.8 | |
| AMC | | III | II | I | I | |
| RI | | 77 | 77 | 77 | 77 | Plate E-6.1 |
| Fp | (in/hr) | 0.14 | 0.28 | 0.48 | 0.48 | Plate E-6.2 |
| Ai | (decimal) | 0.00 | 0.00 | 0.00 | 0.00 | Plate E-6.3 |
| Low Loss | (decimal) | 0.90 | 0.90 | 0.90 | 0.90 | 0.9-(0.8Ai) |
| F | (in/hr) | 0.14 | 0.28 | 0.48 | 0.48 | Fp(1-0.9Ai) |
| Fm | (in/hr) | 0.07 | 0.14 | 0.24 | 0.24 | F/2 |
| C | | 0.00 | 0.00 | 0.00 | 0.00 | (F-Fm)/54 |

## Hydrograph Results

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Peak Flow | (cfs) | 26.06 | 6.93 | 1.84 | 1.34 | 24-hour |
| Peak Flow | (cfs) | 94.79 | 53.08 | 28.36 | 11.82 | 6-hour |
| Peak Flow | (cfs) | 106.46 | 61.50 | 37.08 | 18.91 | 3-hour |
| Total Runoff | (ac-ft) | 9.48 | 1.59 | 1.12 | 0.81 | 24-hour |
| Total Runoff | (ac-ft) | 8.50 | 2.72 | 1.10 | 0.56 | 6-hour |
| Total Runoff | (ac-ft) | 7.53 | 2.70 | 1.22 | 0.62 | 3-hour |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 4.0 |
| AMC | | III |
| RI | | 77.0 |
| Fp | (in/hr) | 0.14 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.14 |
| Fm | (in/hr) | 0.07 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.03 | 0.25 | 0.03 | 0.00 | 0.20 | 0.00 |
| 2 | 0:30 | 0.3 | 0.05 | 0.24 | 0.04 | 0.00 | 0.30 | 0.01 |
| 3 | 0:45 | 0.3 | 0.05 | 0.24 | 0.04 | 0.00 | 0.30 | 0.01 |
| 4 | 1:00 | 0.4 | 0.06 | 0.24 | 0.06 | 0.01 | 0.39 | 0.02 |
| 5 | 1:15 | 0.3 | 0.05 | 0.24 | 0.04 | 0.00 | 0.30 | 0.03 |
| 6 | 1:30 | 0.3 | 0.05 | 0.23 | 0.04 | 0.00 | 0.30 | 0.03 |
| 7 | 1:45 | 0.3 | 0.05 | 0.23 | 0.04 | 0.00 | 0.30 | 0.04 |
| 8 | 2:00 | 0.4 | 0.06 | 0.23 | 0.06 | 0.01 | 0.39 | 0.05 |
| 9 | 2:15 | 0.4 | 0.06 | 0.22 | 0.06 | 0.01 | 0.39 | 0.05 |
| 10 | 2:30 | 0.4 | 0.06 | 0.22 | 0.06 | 0.01 | 0.39 | 0.06 |
| 11 | 2:45 | 0.5 | 0.08 | 0.22 | 0.07 | 0.01 | 0.49 | 0.07 |
| 12 | 3:00 | 0.5 | 0.08 | 0.22 | 0.07 | 0.01 | 0.49 | 0.08 |
| 13 | 3:15 | 0.5 | 0.08 | 0.21 | 0.07 | 0.01 | 0.49 | 0.09 |
| 14 | 3:30 | 0.5 | 0.08 | 0.21 | 0.07 | 0.01 | 0.49 | 0.10 |
| 15 | 3:45 | 0.5 | 0.08 | 0.21 | 0.07 | 0.01 | 0.49 | 0.11 |
| 16 | 4:00 | 0.6 | 0.10 | 0.21 | 0.09 | 0.01 | 0.59 | 0.12 |
| 17 | 4:15 | 0.6 | 0.10 | 0.20 | 0.09 | 0.01 | 0.59 | 0.14 |
| 18 | 4:30 | 0.7 | 0.11 | 0.20 | 0.10 | 0.01 | 0.69 | 0.15 |
| 19 | 4:45 | 0.7 | 0.11 | 0.20 | 0.10 | 0.01 | 0.69 | 0.16 |
| 20 | 5:00 | 0.8 | 0.13 | 0.20 | 0.12 | 0.01 | 0.79 | 0.18 |
| 21 | 5:15 | 0.6 | 0.10 | 0.19 | 0.09 | 0.01 | 0.59 | 0.19 |
| 22 | 5:30 | 0.7 | 0.11 | 0.19 | 0.10 | 0.01 | 0.69 | 0.21 |
| 23 | 5:45 | 0.8 | 0.13 | 0.19 | 0.12 | 0.01 | 0.79 | 0.22 |
| 24 | 6:00 | 0.8 | 0.13 | 0.19 | 0.12 | 0.01 | 0.79 | 0.24 |
| 25 | 6:15 | 0.9 | 0.14 | 0.18 | 0.13 | 0.01 | 0.89 | 0.26 |
| 26 | 6:30 | 0.9 | 0.14 | 0.18 | 0.13 | 0.01 | 0.89 | 0.27 |
| 27 | 6:45 | 1.0 | 0.16 | 0.18 | 0.14 | 0.02 | 0.98 | 0.29 |
| 28 | 7:00 | 1.0 | 0.16 | 0.18 | 0.14 | 0.02 | 0.98 | 0.31 |
| 29 | 7:15 | 1.0 | 0.16 | 0.17 | 0.14 | 0.02 | 0.98 | 0.33 |
| 30 | 7:30 | 1.1 | 0.18 | 0.17 | 0.16 | 0.00 | 0.30 | 0.35 |
| 31 | 7:45 | 1.2 | 0.19 | 0.17 | 0.17 | 0.02 | 1.43 | 0.36 |
| 32 | 8:00 | 1.3 | 0.21 | 0.17 | 0.19 | 0.04 | 2.56 | 0.41 |
| 33 | 8:15 | 1.5 | 0.24 | 0.16 | 0.22 | 0.08 | 4.67 | 0.48 |
| 34 | 8:30 | 1.5 | 0.24 | 0.16 | 0.22 | 0.08 | 4.81 | 0.58 |
| 35 | 8:45 | 1.6 | 0.26 | 0.16 | 0.23 | 0.10 | 5.93 | 0.69 |
| 36 | 9:00 | 1.7 | 0.27 | 0.16 | 0.24 | 0.11 | 7.06 | 0.82 |
| 37 | 9:15 | 1.9 | 0.30 | 0.16 | 0.27 | 0.15 | 9.16 | 0.99 |
| 38 | 9:30 | 2.0 | 0.32 | 0.15 | 0.29 | 0.17 | 10.28 | 1.19 |
| 39 | 9:45 | 2.1 | 0.34 | 0.15 | 0.30 | 0.19 | 11.40 | 1.42 |
| 40 | 10:00 | 2.2 | 0.35 | 0.15 | 0.32 | 0.20 | 12.52 | 1.66 |
| 41 | 10:15 | 1.5 | 0.24 | 0.15 | 0.22 | 0.09 | 5.76 | 1.85 |
| 42 | 10:30 | 1.5 | 0.24 | 0.14 | 0.22 | 0.10 | 5.89 | 1.97 |
| 43 | 10:45 | 2.0 | 0.32 | 0.14 | 0.29 | 0.18 | 10.94 | 2.15 |
| 44 | 11:00 | 2.0 | 0.32 | 0.14 | 0.29 | 0.18 | 11.07 | 2.37 |
| 45 | 11:15 | 1.9 | 0.30 | 0.14 | 0.27 | 0.17 | 10.21 | 2.59 |
| 46 | 11:30 | 1.9 | 0.30 | 0.14 | 0.27 | 0.17 | 10.34 | 2.81 |
| 47 | 11:45 | 1.7 | 0.27 | 0.13 | 0.24 | 0.14 | 8.49 | 3.00 |
| 48 | 12:00 | 1.8 | 0.29 | 0.13 | 0.26 | 0.16 | 9.60 | 3.19 |
| 49 | 12:15 | 2.5 | 0.40 | 0.13 | 0.36 | 0.27 | 16.62 | 3.46 |
| 50 | 12:30 | 2.6 | 0.42 | 0.13 | 0.37 | 0.29 | 17.72 | 3.81 |
| 51 | 12:45 | 2.8 | 0.45 | 0.13 | 0.40 | 0.32 | 19.81 | 4.20 |
| 52 | 13:00 | 2.9 | 0.46 | 0.12 | 0.42 | 0.34 | 20.91 | 4.62 |
| 53 | 13:15 | 3.4 | 0.54 | 0.12 | 0.49 | 0.42 | 25.95 | 5.11 |
| 54 | 13:30 | 3.4 | 0.54 | 0.12 | 0.49 | 0.42 | 26.06 | 5.64 |
| 55 | 13:45 | 2.3 | 0.37 | 0.12 | 0.33 | 0.25 | 15.34 | 6.07 |
| 56 | 14:00 | 2.3 | 0.37 | 0.12 | 0.33 | 0.25 | 15.46 | 6.39 |
| 57 | 14:15 | 2.7 | 0.43 | 0.12 | 0.39 | 0.32 | 19.50 | 6.75 |
| 58 | 14:30 | 2.6 | 0.42 | 0.11 | 0.37 | 0.30 | 18.63 | 7.14 |
| 59 | 14:45 | 2.6 | 0.42 | 0.11 | 0.37 | 0.30 | 18.73 | 7.53 |
| 60 | 15:00 | 2.5 | 0.40 | 0.11 | 0.36 | 0.29 | 17.86 | 7.91 |
| 61 | 15:15 | 2.4 | 0.38 | 0.11 | 0.35 | 0.28 | 16.97 | 8.27 |
| 62 | 15:30 | 2.3 | 0.37 | 0.11 | 0.33 | 0.26 | 16.09 | 8.61 |
| 63 | 15:45 | 1.9 | 0.30 | 0.10 | 0.27 | 0.20 | 12.25 | 8.90 |
| 64 | 16:00 | 1.9 | 0.30 | 0.10 | 0.27 | 0.20 | 12.35 | 9.16 |
| 65 | 16:15 | 0.4 | 0.06 | 0.10 | 0.06 | 0.01 | 0.39 | 9.29 |
| 66 | 16:30 | 0.4 | 0.06 | 0.10 | 0.06 | 0.01 | 0.39 | 9.30 |
| 67 | 16:45 | 0.3 | 0.05 | 0.10 | 0.04 | 0.00 | 0.30 | 9.30 |
| 68 | 17:00 | 0.3 | 0.05 | 0.10 | 0.04 | 0.00 | 0.30 | 9.31 |
| 69 | 17:15 | 0.5 | 0.08 | 0.10 | 0.07 | 0.01 | 0.49 | 9.32 |
| 70 | 17:30 | 0.5 | 0.08 | 0.09 | 0.07 | 0.01 | 0.49 | 9.33 |
| 71 | 17:45 | 0.5 | 0.08 | 0.09 | 0.07 | 0.01 | 0.49 | 9.34 |
| 72 | 18:00 | 0.4 | 0.06 | 0.09 | 0.06 | 0.01 | 0.39 | 9.35 |
| 73 | 18:15 | 0.4 | 0.06 | 0.09 | 0.06 | 0.01 | 0.39 | 9.36 |
| 74 | 18:30 | 0.4 | 0.06 | 0.09 | 0.06 | 0.01 | 0.39 | 9.36 |
| 75 | 18:45 | 0.3 | 0.05 | 0.09 | 0.04 | 0.00 | 0.30 | 9.37 |
| 76 | 19:00 | 0.2 | 0.03 | 0.09 | 0.03 | 0.00 | 0.20 | 9.38 |
| 77 | 19:15 | 0.3 | 0.05 | 0.09 | 0.04 | 0.00 | 0.30 | 9.38 |
| 78 | 19:30 | 0.4 | 0.06 | 0.08 | 0.06 | 0.01 | 0.39 | 9.39 |
| 79 | 19:45 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.30 | 9.40 |
| 80 | 20:00 | 0.2 | 0.03 | 0.08 | 0.03 | 0.00 | 0.20 | 9.40 |
| 81 | 20:15 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.30 | 9.41 |
| 82 | 20:30 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.30 | 9.41 |
| 83 | 20:45 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.30 | 9.42 |
| 84 | 21:00 | 0.2 | 0.03 | 0.08 | 0.03 | 0.00 | 0.20 | 9.42 |
| 85 | 21:15 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.30 | 9.43 |
| 86 | 21:30 | 0.2 | 0.03 | 0.08 | 0.03 | 0.00 | 0.20 | 9.43 |
| 87 | 21:45 | 0.3 | 0.05 | 0.07 | 0.04 | 0.00 | 0.30 | 9.44 |
| 88 | 22:00 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.20 | 9.44 |
| 89 | 22:15 | 0.3 | 0.05 | 0.07 | 0.04 | 0.00 | 0.30 | 9.45 |
| 90 | 22:30 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.20 | 9.45 |
| 91 | 22:45 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.20 | 9.46 |
| 92 | 23:00 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.20 | 9.46 |
| 93 | 23:15 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.20 | 9.47 |
| 94 | 23:30 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.20 | 9.47 |
| 95 | 23:45 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.20 | 9.47 |
| 96 | 0:00 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.20 | 9.48 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 2.6 |
| AMC | | II |
| RI | | 77.0 |
| Fp | (in/hr) | 0.28 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.28 |
| Fm | (in/hr) | 0.14 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FF Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.49 | 0.02 | 0.00 | 0.13 | 0.00 |
| 2 | 0:30 | 0.3 | 0.03 | 0.49 | 0.03 | 0.00 | 0.19 | 0.00 |
| 3 | 0:45 | 0.3 | 0.03 | 0.48 | 0.03 | 0.00 | 0.19 | 0.01 |
| 4 | 1:00 | 0.4 | 0.04 | 0.48 | 0.04 | 0.00 | 0.26 | 0.01 |
| 5 | 1:15 | 0.3 | 0.03 | 0.47 | 0.03 | 0.00 | 0.19 | 0.02 |
| 6 | 1:30 | 0.3 | 0.03 | 0.47 | 0.03 | 0.00 | 0.19 | 0.02 |
| 7 | 1:45 | 0.3 | 0.03 | 0.46 | 0.03 | 0.00 | 0.19 | 0.03 |
| 8 | 2:00 | 0.4 | 0.04 | 0.45 | 0.04 | 0.00 | 0.26 | 0.03 |
| 9 | 2:15 | 0.4 | 0.04 | 0.45 | 0.04 | 0.00 | 0.26 | 0.04 |
| 10 | 2:30 | 0.4 | 0.04 | 0.44 | 0.04 | 0.00 | 0.26 | 0.04 |
| 11 | 2:45 | 0.5 | 0.05 | 0.44 | 0.05 | 0.01 | 0.32 | 0.05 |
| 12 | 3:00 | 0.5 | 0.05 | 0.43 | 0.05 | 0.01 | 0.32 | 0.05 |
| 13 | 3:15 | 0.5 | 0.05 | 0.43 | 0.05 | 0.01 | 0.32 | 0.06 |
| 14 | 3:30 | 0.5 | 0.05 | 0.42 | 0.05 | 0.01 | 0.32 | 0.07 |
| 15 | 3:45 | 0.5 | 0.05 | 0.42 | 0.05 | 0.01 | 0.32 | 0.07 |
| 16 | 4:00 | 0.6 | 0.06 | 0.41 | 0.06 | 0.01 | 0.38 | 0.08 |
| 17 | 4:15 | 0.6 | 0.06 | 0.41 | 0.06 | 0.01 | 0.38 | 0.09 |
| 18 | 4:30 | 0.7 | 0.07 | 0.40 | 0.07 | 0.01 | 0.45 | 0.10 |
| 19 | 4:45 | 0.7 | 0.07 | 0.40 | 0.07 | 0.01 | 0.45 | 0.11 |
| 20 | 5:00 | 0.8 | 0.08 | 0.39 | 0.07 | 0.01 | 0.51 | 0.12 |
| 21 | 5:15 | 0.6 | 0.06 | 0.39 | 0.06 | 0.01 | 0.38 | 0.13 |
| 22 | 5:30 | 0.7 | 0.07 | 0.38 | 0.07 | 0.01 | 0.45 | 0.13 |
| 23 | 5:45 | 0.8 | 0.08 | 0.38 | 0.07 | 0.01 | 0.51 | 0.14 |
| 24 | 6:00 | 0.8 | 0.08 | 0.37 | 0.07 | 0.01 | 0.51 | 0.15 |
| 25 | 6:15 | 0.9 | 0.09 | 0.37 | 0.08 | 0.01 | 0.58 | 0.17 |
| 26 | 6:30 | 0.9 | 0.09 | 0.36 | 0.08 | 0.01 | 0.58 | 0.18 |
| 27 | 6:45 | 1.0 | 0.10 | 0.36 | 0.09 | 0.01 | 0.64 | 0.19 |
| 28 | 7:00 | 1.0 | 0.10 | 0.35 | 0.09 | 0.01 | 0.64 | 0.20 |
| 29 | 7:15 | 1.0 | 0.10 | 0.35 | 0.09 | 0.01 | 0.64 | 0.22 |
| 30 | 7:30 | 1.1 | 0.11 | 0.34 | 0.10 | 0.01 | 0.70 | 0.23 |
| 31 | 7:45 | 1.2 | 0.12 | 0.34 | 0.11 | 0.01 | 0.77 | 0.25 |
| 32 | 8:00 | 1.3 | 0.14 | 0.33 | 0.12 | 0.01 | 0.83 | 0.26 |
| 33 | 8:15 | 1.5 | 0.16 | 0.33 | 0.14 | 0.02 | 0.96 | 0.28 |
| 34 | 8:30 | 1.5 | 0.16 | 0.32 | 0.14 | 0.02 | 0.96 | 0.30 |
| 35 | 8:45 | 1.6 | 0.17 | 0.32 | 0.15 | 0.02 | 1.02 | 0.32 |
| 36 | 9:00 | 1.7 | 0.18 | 0.31 | 0.16 | 0.02 | 1.09 | 0.34 |
| 37 | 9:15 | 1.9 | 0.20 | 0.31 | 0.18 | 0.02 | 1.22 | 0.37 |
| 38 | 9:30 | 2.0 | 0.21 | 0.31 | 0.19 | 0.02 | 1.28 | 0.39 |
| 39 | 9:45 | 2.1 | 0.22 | 0.30 | 0.20 | 0.02 | 1.34 | 0.42 |
| 40 | 10:00 | 2.2 | 0.23 | 0.30 | 0.21 | 0.02 | 1.41 | 0.45 |
| 41 | 10:15 | 1.5 | 0.16 | 0.29 | 0.14 | 0.02 | 0.96 | 0.47 |
| 42 | 10:30 | 1.5 | 0.16 | 0.29 | 0.14 | 0.02 | 0.96 | 0.49 |
| 43 | 10:45 | 2.0 | 0.21 | 0.28 | 0.19 | 0.02 | 1.28 | 0.52 |
| 44 | 11:00 | 2.0 | 0.21 | 0.28 | 0.19 | 0.02 | 1.28 | 0.54 |
| 45 | 11:15 | 1.9 | 0.20 | 0.28 | 0.18 | 0.02 | 1.22 | 0.57 |
| 46 | 11:30 | 1.9 | 0.20 | 0.27 | 0.18 | 0.02 | 1.22 | 0.59 |
| 47 | 11:45 | 1.7 | 0.18 | 0.27 | 0.16 | 0.02 | 1.09 | 0.62 |
| 48 | 12:00 | 1.8 | 0.19 | 0.26 | 0.17 | 0.02 | 1.15 | 0.64 |
| 49 | 12:15 | 2.5 | 0.26 | 0.26 | 0.23 | 0.03 | 1.60 | 0.67 |
| 50 | 12:30 | 2.6 | 0.27 | 0.26 | 0.24 | 0.01 | 0.88 | 0.69 |
| 51 | 12:45 | 2.8 | 0.29 | 0.25 | 0.26 | 0.04 | 2.39 | 0.73 |
| 52 | 13:00 | 2.9 | 0.30 | 0.25 | 0.27 | 0.05 | 3.27 | 0.79 |
| 53 | 13:15 | 3.4 | 0.35 | 0.24 | 0.32 | 0.11 | 6.70 | 0.89 |
| 54 | 13:30 | 3.4 | 0.35 | 0.24 | 0.32 | 0.11 | 6.93 | 1.03 |
| 55 | 13:45 | 2.3 | 0.24 | 0.24 | 0.22 | 0.00 | 0.11 | 1.10 |
| 56 | 14:00 | 2.3 | 0.24 | 0.23 | 0.22 | 0.01 | 0.33 | 1.11 |
| 57 | 14:15 | 2.7 | 0.28 | 0.23 | 0.25 | 0.05 | 3.11 | 1.14 |
| 58 | 14:30 | 2.6 | 0.27 | 0.23 | 0.24 | 0.04 | 2.69 | 1.20 |
| 59 | 14:45 | 2.6 | 0.27 | 0.22 | 0.24 | 0.05 | 2.90 | 1.26 |
| 60 | 15:00 | 2.5 | 0.26 | 0.22 | 0.23 | 0.04 | 2.47 | 1.32 |
| 61 | 15:15 | 2.4 | 0.25 | 0.22 | 0.22 | 0.03 | 2.04 | 1.36 |
| 62 | 15:30 | 2.3 | 0.24 | 0.21 | 0.22 | 0.03 | 1.60 | 1.40 |
| 63 | 15:45 | 1.9 | 0.20 | 0.21 | 0.18 | 0.02 | 1.22 | 1.43 |
| 64 | 16:00 | 1.9 | 0.20 | 0.21 | 0.18 | 0.02 | 1.22 | 1.45 |
| 65 | 16:15 | 0.4 | 0.04 | 0.20 | 0.04 | 0.00 | 0.26 | 1.47 |
| 66 | 16:30 | 0.4 | 0.04 | 0.20 | 0.04 | 0.00 | 0.26 | 1.48 |
| 67 | 16:45 | 0.3 | 0.03 | 0.20 | 0.03 | 0.00 | 0.19 | 1.48 |
| 68 | 17:00 | 0.3 | 0.03 | 0.19 | 0.03 | 0.00 | 0.19 | 1.48 |
| 69 | 17:15 | 0.5 | 0.05 | 0.19 | 0.05 | 0.01 | 0.32 | 1.49 |
| 70 | 17:30 | 0.5 | 0.05 | 0.19 | 0.05 | 0.01 | 0.32 | 1.50 |
| 71 | 17:45 | 0.5 | 0.05 | 0.19 | 0.05 | 0.01 | 0.32 | 1.50 |
| 72 | 18:00 | 0.4 | 0.04 | 0.18 | 0.04 | 0.00 | 0.26 | 1.51 |
| 73 | 18:15 | 0.4 | 0.04 | 0.18 | 0.04 | 0.00 | 0.26 | 1.51 |
| 74 | 18:30 | 0.4 | 0.04 | 0.18 | 0.04 | 0.00 | 0.26 | 1.52 |
| 75 | 18:45 | 0.3 | 0.03 | 0.18 | 0.03 | 0.00 | 0.19 | 1.52 |
| 76 | 19:00 | 0.2 | 0.02 | 0.17 | 0.02 | 0.00 | 0.13 | 1.53 |
| 77 | 19:15 | 0.3 | 0.03 | 0.17 | 0.03 | 0.00 | 0.19 | 1.53 |
| 78 | 19:30 | 0.4 | 0.04 | 0.17 | 0.04 | 0.00 | 0.26 | 1.53 |
| 79 | 19:45 | 0.3 | 0.03 | 0.17 | 0.03 | 0.00 | 0.19 | 1.54 |
| 80 | 20:00 | 0.2 | 0.02 | 0.16 | 0.02 | 0.00 | 0.13 | 1.54 |
| 81 | 20:15 | 0.3 | 0.03 | 0.16 | 0.03 | 0.00 | 0.19 | 1.55 |
| 82 | 20:30 | 0.3 | 0.03 | 0.16 | 0.03 | 0.00 | 0.19 | 1.55 |
| 83 | 20:45 | 0.3 | 0.03 | 0.16 | 0.03 | 0.00 | 0.19 | 1.55 |
| 84 | 21:00 | 0.2 | 0.02 | 0.16 | 0.02 | 0.00 | 0.13 | 1.56 |
| 85 | 21:15 | 0.3 | 0.03 | 0.15 | 0.03 | 0.00 | 0.19 | 1.56 |
| 86 | 21:30 | 0.2 | 0.02 | 0.15 | 0.02 | 0.00 | 0.13 | 1.56 |
| 87 | 21:45 | 0.3 | 0.03 | 0.15 | 0.03 | 0.00 | 0.19 | 1.57 |
| 88 | 22:00 | 0.2 | 0.02 | 0.15 | 0.02 | 0.00 | 0.13 | 1.57 |
| 89 | 22:15 | 0.3 | 0.03 | 0.15 | 0.03 | 0.00 | 0.19 | 1.57 |
| 90 | 22:30 | 0.2 | 0.02 | 0.15 | 0.02 | 0.00 | 0.13 | 1.58 |
| 91 | 22:45 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.13 | 1.58 |
| 92 | 23:00 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.13 | 1.58 |
| 93 | 23:15 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.13 | 1.59 |
| 94 | 23:30 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.13 | 1.59 |
| 95 | 23:45 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.13 | 1.59 |
| 96 | 0:00 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.13 | 1.59 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 2.2 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |
| Fm | (in/hr) | 0.24 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.85 | 0.02 | 0.00 | 0.11 | 0.00 |
| 2 | 0:30 | 0.3 | 0.03 | 0.84 | 0.02 | 0.00 | 0.16 | 0.00 |
| 3 | 0:45 | 0.3 | 0.03 | 0.83 | 0.02 | 0.00 | 0.16 | 0.01 |
| 4 | 1:00 | 0.4 | 0.04 | 0.82 | 0.03 | 0.00 | 0.22 | 0.01 |
| 5 | 1:15 | 0.3 | 0.03 | 0.81 | 0.02 | 0.00 | 0.16 | 0.02 |
| 6 | 1:30 | 0.3 | 0.03 | 0.80 | 0.02 | 0.00 | 0.16 | 0.02 |
| 7 | 1:45 | 0.3 | 0.03 | 0.79 | 0.02 | 0.00 | 0.16 | 0.02 |
| 8 | 2:00 | 0.4 | 0.04 | 0.78 | 0.03 | 0.00 | 0.22 | 0.03 |
| 9 | 2:15 | 0.4 | 0.04 | 0.77 | 0.03 | 0.00 | 0.22 | 0.03 |
| 10 | 2:30 | 0.4 | 0.04 | 0.76 | 0.03 | 0.00 | 0.22 | 0.03 |
| 11 | 2:45 | 0.5 | 0.04 | 0.75 | 0.04 | 0.00 | 0.27 | 0.04 |
| 12 | 3:00 | 0.5 | 0.04 | 0.74 | 0.04 | 0.00 | 0.27 | 0.05 |
| 13 | 3:15 | 0.5 | 0.04 | 0.73 | 0.04 | 0.00 | 0.27 | 0.05 |
| 14 | 3:30 | 0.5 | 0.04 | 0.72 | 0.04 | 0.00 | 0.27 | 0.06 |
| 15 | 3:45 | 0.5 | 0.04 | 0.72 | 0.04 | 0.00 | 0.27 | 0.06 |
| 16 | 4:00 | 0.6 | 0.05 | 0.71 | 0.05 | 0.01 | 0.32 | 0.07 |
| 17 | 4:15 | 0.6 | 0.05 | 0.70 | 0.05 | 0.01 | 0.32 | 0.07 |
| 18 | 4:30 | 0.7 | 0.06 | 0.69 | 0.06 | 0.01 | 0.38 | 0.08 |
| 19 | 4:45 | 0.7 | 0.06 | 0.68 | 0.06 | 0.01 | 0.38 | 0.09 |
| 20 | 5:00 | 0.8 | 0.07 | 0.67 | 0.06 | 0.01 | 0.43 | 0.10 |
| 21 | 5:15 | 0.6 | 0.05 | 0.66 | 0.05 | 0.01 | 0.32 | 0.11 |
| 22 | 5:30 | 0.7 | 0.06 | 0.65 | 0.06 | 0.01 | 0.38 | 0.11 |
| 23 | 5:45 | 0.8 | 0.07 | 0.64 | 0.06 | 0.01 | 0.43 | 0.12 |
| 24 | 6:00 | 0.8 | 0.07 | 0.64 | 0.06 | 0.01 | 0.43 | 0.13 |
| 25 | 6:15 | 0.9 | 0.08 | 0.63 | 0.07 | 0.01 | 0.49 | 0.14 |
| 26 | 6:30 | 0.9 | 0.08 | 0.62 | 0.07 | 0.01 | 0.49 | 0.15 |
| 27 | 6:45 | 1.0 | 0.09 | 0.61 | 0.08 | 0.01 | 0.54 | 0.16 |
| 28 | 7:00 | 1.0 | 0.09 | 0.60 | 0.08 | 0.01 | 0.54 | 0.17 |
| 29 | 7:15 | 1.0 | 0.09 | 0.59 | 0.08 | 0.01 | 0.54 | 0.18 |
| 30 | 7:30 | 1.1 | 0.10 | 0.59 | 0.09 | 0.01 | 0.60 | 0.20 |
| 31 | 7:45 | 1.2 | 0.11 | 0.58 | 0.10 | 0.01 | 0.65 | 0.21 |
| 32 | 8:00 | 1.3 | 0.11 | 0.57 | 0.10 | 0.01 | 0.70 | 0.22 |
| 33 | 8:15 | 1.5 | 0.13 | 0.56 | 0.12 | 0.01 | 0.81 | 0.24 |
| 34 | 8:30 | 1.5 | 0.13 | 0.55 | 0.12 | 0.01 | 0.81 | 0.25 |
| 35 | 8:45 | 1.6 | 0.14 | 0.55 | 0.13 | 0.01 | 0.87 | 0.27 |
| 36 | 9:00 | 1.7 | 0.15 | 0.54 | 0.13 | 0.01 | 0.92 | 0.29 |
| 37 | 9:15 | 1.9 | 0.17 | 0.53 | 0.15 | 0.02 | 1.03 | 0.31 |
| 38 | 9:30 | 2.0 | 0.18 | 0.52 | 0.16 | 0.02 | 1.08 | 0.33 |
| 39 | 9:45 | 2.1 | 0.18 | 0.52 | 0.17 | 0.02 | 1.14 | 0.36 |
| 40 | 10:00 | 2.2 | 0.19 | 0.51 | 0.17 | 0.02 | 1.19 | 0.38 |
| 41 | 10:15 | 1.5 | 0.13 | 0.50 | 0.12 | 0.01 | 0.81 | 0.40 |
| 42 | 10:30 | 1.5 | 0.13 | 0.49 | 0.12 | 0.01 | 0.81 | 0.42 |
| 43 | 10:45 | 2.0 | 0.18 | 0.49 | 0.16 | 0.02 | 1.08 | 0.44 |
| 44 | 11:00 | 2.0 | 0.18 | 0.48 | 0.16 | 0.02 | 1.08 | 0.46 |
| 45 | 11:15 | 1.9 | 0.17 | 0.47 | 0.15 | 0.02 | 1.03 | 0.48 |
| 46 | 11:30 | 1.9 | 0.17 | 0.47 | 0.15 | 0.02 | 1.03 | 0.50 |
| 47 | 11:45 | 1.7 | 0.15 | 0.46 | 0.13 | 0.01 | 0.92 | 0.52 |
| 48 | 12:00 | 1.8 | 0.16 | 0.45 | 0.14 | 0.02 | 0.97 | 0.54 |
| 49 | 12:15 | 2.5 | 0.22 | 0.45 | 0.20 | 0.02 | 1.35 | 0.57 |
| 50 | 12:30 | 2.6 | 0.23 | 0.44 | 0.21 | 0.02 | 1.41 | 0.59 |
| 51 | 12:45 | 2.8 | 0.25 | 0.43 | 0.22 | 0.02 | 1.52 | 0.62 |
| 52 | 13:00 | 2.9 | 0.26 | 0.43 | 0.23 | 0.03 | 1.57 | 0.66 |
| 53 | 13:15 | 3.4 | 0.30 | 0.42 | 0.27 | 0.03 | 1.84 | 0.69 |
| 54 | 13:30 | 3.4 | 0.30 | 0.41 | 0.27 | 0.03 | 1.84 | 0.73 |
| 55 | 13:45 | 2.3 | 0.20 | 0.41 | 0.18 | 0.02 | 1.25 | 0.76 |
| 56 | 14:00 | 2.3 | 0.20 | 0.40 | 0.18 | 0.02 | 1.25 | 0.79 |
| 57 | 14:15 | 2.7 | 0.24 | 0.39 | 0.21 | 0.02 | 1.46 | 0.82 |
| 58 | 14:30 | 2.6 | 0.23 | 0.39 | 0.21 | 0.02 | 1.41 | 0.84 |
| 59 | 14:45 | 2.6 | 0.23 | 0.38 | 0.21 | 0.02 | 1.41 | 0.87 |
| 60 | 15:00 | 2.5 | 0.22 | 0.38 | 0.20 | 0.02 | 1.35 | 0.90 |
| 61 | 15:15 | 2.4 | 0.21 | 0.37 | 0.19 | 0.02 | 1.30 | 0.93 |
| 62 | 15:30 | 2.3 | 0.20 | 0.37 | 0.18 | 0.02 | 1.25 | 0.96 |
| 63 | 15:45 | 1.9 | 0.17 | 0.36 | 0.15 | 0.02 | 1.03 | 0.98 |
| 64 | 16:00 | 1.9 | 0.17 | 0.35 | 0.15 | 0.02 | 1.03 | 1.00 |
| 65 | 16:15 | 0.4 | 0.04 | 0.35 | 0.03 | 0.00 | 0.22 | 1.01 |
| 66 | 16:30 | 0.4 | 0.04 | 0.34 | 0.03 | 0.00 | 0.22 | 1.02 |
| 67 | 16:45 | 0.3 | 0.03 | 0.34 | 0.02 | 0.00 | 0.16 | 1.02 |
| 68 | 17:00 | 0.3 | 0.03 | 0.33 | 0.02 | 0.00 | 0.16 | 1.03 |
| 69 | 17:15 | 0.5 | 0.04 | 0.33 | 0.04 | 0.00 | 0.27 | 1.03 |
| 70 | 17:30 | 0.5 | 0.04 | 0.32 | 0.04 | 0.00 | 0.27 | 1.04 |
| 71 | 17:45 | 0.5 | 0.04 | 0.32 | 0.04 | 0.00 | 0.27 | 1.04 |
| 72 | 18:00 | 0.4 | 0.04 | 0.31 | 0.03 | 0.00 | 0.22 | 1.05 |
| 73 | 18:15 | 0.4 | 0.04 | 0.31 | 0.03 | 0.00 | 0.22 | 1.05 |
| 74 | 18:30 | 0.4 | 0.04 | 0.30 | 0.03 | 0.00 | 0.22 | 1.06 |
| 75 | 18:45 | 0.3 | 0.03 | 0.30 | 0.02 | 0.00 | 0.16 | 1.06 |
| 76 | 19:00 | 0.2 | 0.02 | 0.30 | 0.02 | 0.00 | 0.11 | 1.06 |
| 77 | 19:15 | 0.3 | 0.03 | 0.29 | 0.02 | 0.00 | 0.16 | 1.06 |
| 78 | 19:30 | 0.4 | 0.04 | 0.29 | 0.03 | 0.00 | 0.22 | 1.07 |
| 79 | 19:45 | 0.3 | 0.03 | 0.28 | 0.02 | 0.00 | 0.16 | 1.07 |
| 80 | 20:00 | 0.2 | 0.02 | 0.28 | 0.02 | 0.00 | 0.11 | 1.08 |
| 81 | 20:15 | 0.3 | 0.03 | 0.28 | 0.02 | 0.00 | 0.16 | 1.08 |
| 82 | 20:30 | 0.3 | 0.03 | 0.27 | 0.02 | 0.00 | 0.16 | 1.08 |
| 83 | 20:45 | 0.3 | 0.03 | 0.27 | 0.02 | 0.00 | 0.16 | 1.08 |
| 84 | 21:00 | 0.2 | 0.02 | 0.27 | 0.02 | 0.00 | 0.11 | 1.09 |
| 85 | 21:15 | 0.3 | 0.03 | 0.26 | 0.02 | 0.00 | 0.16 | 1.09 |
| 86 | 21:30 | 0.2 | 0.02 | 0.26 | 0.02 | 0.00 | 0.11 | 1.09 |
| 87 | 21:45 | 0.3 | 0.03 | 0.26 | 0.02 | 0.00 | 0.16 | 1.10 |
| 88 | 22:00 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.11 | 1.10 |
| 89 | 22:15 | 0.3 | 0.03 | 0.25 | 0.02 | 0.00 | 0.16 | 1.10 |
| 90 | 22:30 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.11 | 1.10 |
| 91 | 22:45 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.11 | 1.11 |
| 92 | 23:00 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.11 | 1.11 |
| 93 | 23:15 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.11 | 1.11 |
| 94 | 23:30 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.11 | 1.11 |
| 95 | 23:45 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.11 | 1.12 |
| 96 | 0:00 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.11 | 1.12 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.6 |
| AMC | | 1 |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |
| Fm | (in/hr) | 0.24 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.01 | 0.85 | 0.01 | 0.00 | 0.08 | 0.00 |
| 2 | 0:30 | 0.3 | 0.02 | 0.84 | 0.02 | 0.00 | 0.12 | 0.00 |
| 3 | 0:45 | 0.3 | 0.02 | 0.83 | 0.02 | 0.00 | 0.12 | 0.01 |
| 4 | 1:00 | 0.4 | 0.03 | 0.82 | 0.02 | 0.00 | 0.16 | 0.01 |
| 5 | 1:15 | 0.3 | 0.02 | 0.81 | 0.02 | 0.00 | 0.12 | 0.01 |
| 6 | 1:30 | 0.3 | 0.02 | 0.80 | 0.02 | 0.00 | 0.12 | 0.01 |
| 7 | 1:45 | 0.3 | 0.02 | 0.79 | 0.02 | 0.00 | 0.12 | 0.02 |
| 8 | 2:00 | 0.4 | 0.03 | 0.78 | 0.02 | 0.00 | 0.16 | 0.02 |
| 9 | 2:15 | 0.4 | 0.03 | 0.77 | 0.02 | 0.00 | 0.16 | 0.02 |
| 10 | 2:30 | 0.4 | 0.03 | 0.76 | 0.02 | 0.00 | 0.16 | 0.03 |
| 11 | 2:45 | 0.5 | 0.03 | 0.75 | 0.03 | 0.00 | 0.20 | 0.03 |
| 12 | 3:00 | 0.5 | 0.03 | 0.74 | 0.03 | 0.00 | 0.20 | 0.03 |
| 13 | 3:15 | 0.5 | 0.03 | 0.73 | 0.03 | 0.00 | 0.20 | 0.04 |
| 14 | 3:30 | 0.5 | 0.03 | 0.72 | 0.03 | 0.00 | 0.20 | 0.04 |
| 15 | 3:45 | 0.5 | 0.03 | 0.72 | 0.03 | 0.00 | 0.20 | 0.05 |
| 16 | 4:00 | 0.6 | 0.04 | 0.71 | 0.03 | 0.00 | 0.24 | 0.05 |
| 17 | 4:15 | 0.6 | 0.04 | 0.70 | 0.03 | 0.00 | 0.24 | 0.05 |
| 18 | 4:30 | 0.7 | 0.04 | 0.69 | 0.04 | 0.00 | 0.28 | 0.06 |
| 19 | 4:45 | 0.7 | 0.04 | 0.68 | 0.04 | 0.00 | 0.28 | 0.07 |
| 20 | 5:00 | 0.8 | 0.05 | 0.67 | 0.05 | 0.01 | 0.32 | 0.07 |
| 21 | 5:15 | 0.6 | 0.04 | 0.66 | 0.03 | 0.00 | 0.24 | 0.08 |
| 22 | 5:30 | 0.7 | 0.04 | 0.65 | 0.04 | 0.00 | 0.28 | 0.08 |
| 23 | 5:45 | 0.8 | 0.05 | 0.64 | 0.05 | 0.01 | 0.32 | 0.09 |
| 24 | 6:00 | 0.8 | 0.05 | 0.64 | 0.05 | 0.01 | 0.32 | 0.10 |
| 25 | 6:15 | 0.9 | 0.06 | 0.63 | 0.05 | 0.01 | 0.35 | 0.10 |
| 26 | 6:30 | 0.9 | 0.06 | 0.62 | 0.05 | 0.01 | 0.35 | 0.11 |
| 27 | 6:45 | 1.0 | 0.06 | 0.61 | 0.06 | 0.01 | 0.39 | 0.12 |
| 28 | 7:00 | 1.0 | 0.06 | 0.60 | 0.06 | 0.01 | 0.39 | 0.13 |
| 29 | 7:15 | 1.0 | 0.06 | 0.59 | 0.06 | 0.01 | 0.39 | 0.13 |
| 30 | 7:30 | 1.1 | 0.07 | 0.59 | 0.06 | 0.01 | 0.43 | 0.14 |
| 31 | 7:45 | 1.2 | 0.08 | 0.58 | 0.07 | 0.01 | 0.47 | 0.15 |
| 32 | 8:00 | 1.3 | 0.08 | 0.57 | 0.07 | 0.01 | 0.51 | 0.16 |
| 33 | 8:15 | 1.5 | 0.10 | 0.56 | 0.09 | 0.01 | 0.59 | 0.17 |
| 34 | 8:30 | 1.5 | 0.10 | 0.55 | 0.09 | 0.01 | 0.59 | 0.19 |
| 35 | 8:45 | 1.6 | 0.10 | 0.55 | 0.09 | 0.01 | 0.63 | 0.20 |
| 36 | 9:00 | 1.7 | 0.11 | 0.54 | 0.10 | 0.01 | 0.67 | 0.21 |
| 37 | 9:15 | 1.9 | 0.12 | 0.53 | 0.11 | 0.01 | 0.75 | 0.23 |
| 38 | 9:30 | 2.0 | 0.13 | 0.52 | 0.12 | 0.01 | 0.79 | 0.24 |
| 39 | 9:45 | 2.1 | 0.13 | 0.52 | 0.12 | 0.01 | 0.83 | 0.26 |
| 40 | 10:00 | 2.2 | 0.14 | 0.51 | 0.13 | 0.01 | 0.87 | 0.28 |
| 41 | 10:15 | 1.5 | 0.10 | 0.50 | 0.09 | 0.01 | 0.59 | 0.29 |
| 42 | 10:30 | 1.5 | 0.10 | 0.49 | 0.09 | 0.01 | 0.59 | 0.30 |
| 43 | 10:45 | 2.0 | 0.13 | 0.49 | 0.12 | 0.01 | 0.79 | 0.32 |
| 44 | 11:00 | 2.0 | 0.13 | 0.48 | 0.12 | 0.01 | 0.79 | 0.33 |
| 45 | 11:15 | 1.9 | 0.12 | 0.47 | 0.11 | 0.01 | 0.75 | 0.35 |
| 46 | 11:30 | 1.9 | 0.12 | 0.47 | 0.11 | 0.01 | 0.75 | 0.37 |
| 47 | 11:45 | 1.7 | 0.11 | 0.46 | 0.10 | 0.01 | 0.67 | 0.38 |
| 48 | 12:00 | 1.8 | 0.12 | 0.45 | 0.10 | 0.01 | 0.71 | 0.39 |
| 49 | 12:15 | 2.5 | 0.16 | 0.45 | 0.14 | 0.02 | 0.98 | 0.41 |
| 50 | 12:30 | 2.6 | 0.17 | 0.44 | 0.15 | 0.02 | 1.02 | 0.43 |
| 51 | 12:45 | 2.8 | 0.18 | 0.43 | 0.16 | 0.02 | 1.10 | 0.45 |
| 52 | 13:00 | 2.9 | 0.19 | 0.43 | 0.17 | 0.02 | 1.14 | 0.48 |
| 53 | 13:15 | 3.4 | 0.22 | 0.42 | 0.20 | 0.02 | 1.34 | 0.50 |
| 54 | 13:30 | 3.4 | 0.22 | 0.41 | 0.20 | 0.02 | 1.34 | 0.53 |
| 55 | 13:45 | 2.3 | 0.15 | 0.41 | 0.13 | 0.01 | 0.91 | 0.55 |
| 56 | 14:00 | 2.3 | 0.15 | 0.40 | 0.13 | 0.01 | 0.91 | 0.57 |
| 57 | 14:15 | 2.7 | 0.17 | 0.39 | 0.16 | 0.02 | 1.06 | 0.59 |
| 58 | 14:30 | 2.6 | 0.17 | 0.39 | 0.15 | 0.02 | 1.02 | 0.61 |
| 59 | 14:45 | 2.6 | 0.17 | 0.38 | 0.15 | 0.02 | 1.02 | 0.64 |
| 60 | 15:00 | 2.5 | 0.16 | 0.38 | 0.14 | 0.02 | 0.98 | 0.66 |
| 61 | 15:15 | 2.4 | 0.15 | 0.37 | 0.14 | 0.02 | 0.95 | 0.68 |
| 62 | 15:30 | 2.3 | 0.15 | 0.37 | 0.13 | 0.01 | 0.91 | 0.70 |
| 63 | 15:45 | 1.9 | 0.12 | 0.36 | 0.11 | 0.01 | 0.75 | 0.71 |
| 64 | 16:00 | 1.9 | 0.12 | 0.35 | 0.11 | 0.01 | 0.75 | 0.73 |
| 65 | 16:15 | 0.4 | 0.03 | 0.35 | 0.02 | 0.00 | 0.16 | 0.74 |
| 66 | 16:30 | 0.4 | 0.03 | 0.34 | 0.02 | 0.00 | 0.16 | 0.74 |
| 67 | 16:45 | 0.3 | 0.02 | 0.34 | 0.02 | 0.00 | 0.12 | 0.74 |
| 68 | 17:00 | 0.3 | 0.02 | 0.33 | 0.02 | 0.00 | 0.12 | 0.75 |
| 69 | 17:15 | 0.5 | 0.03 | 0.33 | 0.03 | 0.00 | 0.20 | 0.75 |
| 70 | 17:30 | 0.5 | 0.03 | 0.32 | 0.03 | 0.00 | 0.20 | 0.75 |
| 71 | 17:45 | 0.5 | 0.03 | 0.32 | 0.03 | 0.00 | 0.20 | 0.76 |
| 72 | 18:00 | 0.4 | 0.03 | 0.31 | 0.02 | 0.00 | 0.16 | 0.76 |
| 73 | 18:15 | 0.4 | 0.03 | 0.31 | 0.02 | 0.00 | 0.16 | 0.76 |
| 74 | 18:30 | 0.4 | 0.03 | 0.30 | 0.02 | 0.00 | 0.16 | 0.77 |
| 75 | 18:45 | 0.3 | 0.02 | 0.30 | 0.02 | 0.00 | 0.12 | 0.77 |
| 76 | 19:00 | 0.2 | 0.01 | 0.30 | 0.01 | 0.00 | 0.08 | 0.77 |
| 77 | 19:15 | 0.3 | 0.02 | 0.29 | 0.02 | 0.00 | 0.12 | 0.77 |
| 78 | 19:30 | 0.4 | 0.03 | 0.29 | 0.02 | 0.00 | 0.16 | 0.78 |
| 79 | 19:45 | 0.3 | 0.02 | 0.28 | 0.02 | 0.00 | 0.12 | 0.78 |
| 80 | 20:00 | 0.2 | 0.01 | 0.28 | 0.01 | 0.00 | 0.08 | 0.78 |
| 81 | 20:15 | 0.3 | 0.02 | 0.28 | 0.02 | 0.00 | 0.12 | 0.78 |
| 82 | 20:30 | 0.3 | 0.02 | 0.27 | 0.02 | 0.00 | 0.12 | 0.79 |
| 83 | 20:45 | 0.3 | 0.02 | 0.27 | 0.02 | 0.00 | 0.12 | 0.79 |
| 84 | 21:00 | 0.2 | 0.01 | 0.27 | 0.01 | 0.00 | 0.08 | 0.79 |
| 85 | 21:15 | 0.3 | 0.02 | 0.26 | 0.02 | 0.00 | 0.12 | 0.79 |
| 86 | 21:30 | 0.2 | 0.01 | 0.26 | 0.01 | 0.00 | 0.08 | 0.80 |
| 87 | 21:45 | 0.3 | 0.02 | 0.26 | 0.02 | 0.00 | 0.12 | 0.80 |
| 88 | 22:00 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.08 | 0.80 |
| 89 | 22:15 | 0.3 | 0.02 | 0.25 | 0.02 | 0.00 | 0.12 | 0.80 |
| 90 | 22:30 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.08 | 0.80 |
| 91 | 22:45 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.08 | 0.80 |
| 92 | 23:00 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.08 | 0.81 |
| 93 | 23:15 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.08 | 0.81 |
| 94 | 23:30 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.08 | 0.81 |
| 95 | 23:45 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.08 | 0.81 |
| 96 | 0:00 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.08 | 0.81 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 2.5 |
| AMC | | III |
| RI | | 77.0 |
| Fp | (in/hr) | 0.14 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.14 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.15 | 0.14 | 0.14 | 0.01 | 0.62 | 0.00 |
| 2 | 0:10 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 2.46 | 0.01 |
| 3 | 0:15 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 2.46 | 0.03 |
| 4 | 0:20 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 2.46 | 0.05 |
| 5 | 0:25 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 2.46 | 0.06 |
| 6 | 0:30 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 4.31 | 0.09 |
| 7 | 0:35 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 4.31 | 0.12 |
| 8 | 0:40 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 4.31 | 0.15 |
| 9 | 0:45 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 4.31 | 0.18 |
| 10 | 0:50 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 4.31 | 0.21 |
| 11 | 0:55 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 4.31 | 0.24 |
| 12 | 1:00 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 6.16 | 0.27 |
| 13 | 1:05 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 6.16 | 0.31 |
| 14 | 1:10 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 6.16 | 0.36 |
| 15 | 1:15 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 6.16 | 0.40 |
| 16 | 1:20 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 6.16 | 0.44 |
| 17 | 1:25 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 6.16 | 0.48 |
| 18 | 1:30 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 6.16 | 0.53 |
| 19 | 1:35 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 6.16 | 0.57 |
| 20 | 1:40 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 6.16 | 0.61 |
| 21 | 1:45 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 6.16 | 0.65 |
| 22 | 1:50 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 6.16 | 0.70 |
| 23 | 1:55 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 6.16 | 0.74 |
| 24 | 2:00 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 8.00 | 0.79 |
| 25 | 2:05 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 6.16 | 0.84 |
| 26 | 2:10 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 8.00 | 0.88 |
| 27 | 2:15 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 8.00 | 0.94 |
| 28 | 2:20 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 8.00 | 0.99 |
| 29 | 2:25 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 8.00 | 1.05 |
| 30 | 2:30 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 8.00 | 1.10 |
| 31 | 2:35 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 8.00 | 1.16 |
| 32 | 2:40 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 8.00 | 1.21 |
| 33 | 2:45 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 9.85 | 1.28 |
| 34 | 2:50 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 9.85 | 1.34 |
| 35 | 2:55 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 9.85 | 1.41 |
| 36 | 3:00 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 9.85 | 1.48 |
| 37 | 3:05 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 9.85 | 1.55 |
| 38 | 3:10 | 1.1 | 0.33 | 0.14 | 0.30 | 0.19 | 11.69 | 1.62 |
| 39 | 3:15 | 1.1 | 0.33 | 0.14 | 0.30 | 0.19 | 11.69 | 1.70 |
| 40 | 3:20 | 1.1 | 0.33 | 0.14 | 0.30 | 0.19 | 11.69 | 1.78 |
| 41 | 3:25 | 1.2 | 0.36 | 0.14 | 0.32 | 0.22 | 13.54 | 1.87 |
| 42 | 3:30 | 1.3 | 0.39 | 0.14 | 0.35 | 0.25 | 15.39 | 1.97 |
| 43 | 3:35 | 1.4 | 0.42 | 0.14 | 0.38 | 0.28 | 17.23 | 2.08 |
| 44 | 3:40 | 1.4 | 0.42 | 0.14 | 0.38 | 0.28 | 17.23 | 2.20 |
| 45 | 3:45 | 1.5 | 0.45 | 0.14 | 0.41 | 0.31 | 19.08 | 2.33 |
| 46 | 3:50 | 1.5 | 0.45 | 0.14 | 0.41 | 0.31 | 19.08 | 2.46 |
| 47 | 3:55 | 1.6 | 0.48 | 0.14 | 0.43 | 0.34 | 20.93 | 2.59 |
| 48 | 4:00 | 1.6 | 0.48 | 0.14 | 0.43 | 0.34 | 20.93 | 2.74 |
| 49 | 4:05 | 1.7 | 0.51 | 0.14 | 0.46 | 0.37 | 22.77 | 2.89 |
| 50 | 4:10 | 1.8 | 0.54 | 0.14 | 0.49 | 0.40 | 24.62 | 3.05 |
| 51 | 4:15 | 1.9 | 0.57 | 0.14 | 0.51 | 0.43 | 26.47 | 3.23 |
| 52 | 4:20 | 2.0 | 0.60 | 0.14 | 0.54 | 0.46 | 28.31 | 3.42 |
| 53 | 4:25 | 2.1 | 0.63 | 0.14 | 0.57 | 0.49 | 30.16 | 3.62 |
| 54 | 4:30 | 2.1 | 0.63 | 0.14 | 0.57 | 0.49 | 30.16 | 3.83 |
| 55 | 4:35 | 2.2 | 0.66 | 0.14 | 0.59 | 0.52 | 32.01 | 4.04 |
| 56 | 4:40 | 2.3 | 0.69 | 0.14 | 0.62 | 0.55 | 33.85 | 4.27 |
| 57 | 4:45 | 2.4 | 0.72 | 0.14 | 0.65 | 0.58 | 35.70 | 4.51 |
| 58 | 4:50 | 2.4 | 0.72 | 0.14 | 0.65 | 0.58 | 35.70 | 4.75 |
| 59 | 4:55 | 2.5 | 0.75 | 0.14 | 0.68 | 0.61 | 37.55 | 5.00 |
| 60 | 5:00 | 2.6 | 0.78 | 0.14 | 0.70 | 0.64 | 39.39 | 5.27 |
| 61 | 5:05 | 3.1 | 0.93 | 0.14 | 0.84 | 0.79 | 48.62 | 5.57 |
| 62 | 5:10 | 3.6 | 1.08 | 0.14 | 0.97 | 0.94 | 57.86 | 5.94 |
| 63 | 5:15 | 3.9 | 1.17 | 0.14 | 1.05 | 1.03 | 63.40 | 6.36 |
| 64 | 5:20 | 4.2 | 1.26 | 0.14 | 1.13 | 1.12 | 68.94 | 6.81 |
| 65 | 5:25 | 4.7 | 1.41 | 0.14 | 1.27 | 1.27 | 78.17 | 7.32 |
| 66 | 5:30 | 5.6 | 1.68 | 0.14 | 1.51 | 1.54 | 94.79 | 7.91 |
| 67 | 5:35 | 1.9 | 0.57 | 0.14 | 0.51 | 0.43 | 26.47 | 8.33 |
| 68 | 5:40 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 8.00 | 8.45 |
| 69 | 5:45 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 2.46 | 8.49 |
| 70 | 5:50 | 0.5 | 0.15 | 0.14 | 0.14 | 0.01 | 0.62 | 8.50 |
| 71 | 5:55 | 0.3 | 0.09 | 0.14 | 0.08 | 0.01 | 0.55 | 8.50 |
| 72 | 6:00 | 0.2 | 0.06 | 0.14 | 0.05 | 0.01 | 0.37 | 8.50 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.7 |
| AMC | | II |
| RI | | 77.0 |
| Fp | (in/hr) | 0.28 |
| As | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.28 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.10 | 0.28 | 0.09 | 0.01 | 0.63 | 0.00 |
| 2 | 0:10 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.75 | 0.01 |
| 3 | 0:15 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.75 | 0.01 |
| 4 | 0:20 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.75 | 0.02 |
| 5 | 0:25 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.75 | 0.02 |
| 6 | 0:30 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.88 | 0.03 |
| 7 | 0:35 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.88 | 0.03 |
| 8 | 0:40 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.88 | 0.04 |
| 9 | 0:45 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.88 | 0.05 |
| 10 | 0:50 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.88 | 0.05 |
| 11 | 0:55 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.88 | 0.06 |
| 12 | 1:00 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 1.00 | 0.06 |
| 13 | 1:05 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 1.00 | 0.07 |
| 14 | 1:10 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 1.00 | 0.08 |
| 15 | 1:15 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 1.00 | 0.09 |
| 16 | 1:20 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 1.00 | 0.09 |
| 17 | 1:25 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 1.00 | 0.10 |
| 18 | 1:30 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 1.00 | 0.11 |
| 19 | 1:35 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 1.00 | 0.11 |
| 20 | 1:40 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 1.00 | 0.12 |
| 21 | 1:45 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 1.00 | 0.13 |
| 22 | 1:50 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 1.00 | 0.13 |
| 23 | 1:55 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 1.00 | 0.14 |
| 24 | 2:00 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 1.13 | 0.15 |
| 25 | 2:05 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 1.00 | 0.16 |
| 26 | 2:10 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 1.13 | 0.16 |
| 27 | 2:15 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 1.13 | 0.17 |
| 28 | 2:20 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 1.13 | 0.18 |
| 29 | 2:25 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 1.13 | 0.19 |
| 30 | 2:30 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 1.13 | 0.19 |
| 31 | 2:35 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 1.13 | 0.20 |
| 32 | 2:40 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 1.13 | 0.21 |
| 33 | 2:45 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 1.26 | 0.22 |
| 34 | 2:50 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 1.26 | 0.23 |
| 35 | 2:55 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 1.26 | 0.24 |
| 36 | 3:00 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 1.26 | 0.24 |
| 37 | 3:05 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 1.26 | 0.25 |
| 38 | 3:10 | 1.1 | 0.22 | 0.28 | 0.20 | 0.02 | 1.38 | 0.26 |
| 39 | 3:15 | 1.1 | 0.22 | 0.28 | 0.20 | 0.02 | 1.38 | 0.27 |
| 40 | 3:20 | 1.1 | 0.22 | 0.28 | 0.20 | 0.02 | 1.38 | 0.28 |
| 41 | 3:25 | 1.2 | 0.24 | 0.28 | 0.22 | 0.02 | 1.51 | 0.29 |
| 42 | 3:30 | 1.3 | 0.27 | 0.28 | 0.24 | 0.03 | 1.63 | 0.30 |
| 43 | 3:35 | 1.4 | 0.29 | 0.28 | 0.26 | 0.01 | 0.34 | 0.31 |
| 44 | 3:40 | 1.4 | 0.29 | 0.28 | 0.26 | 0.01 | 0.34 | 0.31 |
| 45 | 3:45 | 1.5 | 0.31 | 0.28 | 0.28 | 0.03 | 1.60 | 0.32 |
| 46 | 3:50 | 1.5 | 0.31 | 0.28 | 0.28 | 0.03 | 1.60 | 0.33 |
| 47 | 3:55 | 1.6 | 0.33 | 0.28 | 0.29 | 0.05 | 2.86 | 0.34 |
| 48 | 4:00 | 1.6 | 0.33 | 0.28 | 0.29 | 0.05 | 2.86 | 0.36 |
| 49 | 4:05 | 1.7 | 0.35 | 0.28 | 0.31 | 0.07 | 4.11 | 0.39 |
| 50 | 4:10 | 1.8 | 0.37 | 0.28 | 0.33 | 0.09 | 5.37 | 0.42 |
| 51 | 4:15 | 1.9 | 0.39 | 0.28 | 0.35 | 0.11 | 6.62 | 0.46 |
| 52 | 4:20 | 2.0 | 0.41 | 0.28 | 0.37 | 0.13 | 7.88 | 0.51 |
| 53 | 4:25 | 2.1 | 0.43 | 0.28 | 0.39 | 0.15 | 9.13 | 0.57 |
| 54 | 4:30 | 2.1 | 0.43 | 0.28 | 0.39 | 0.15 | 9.13 | 0.63 |
| 55 | 4:35 | 2.2 | 0.45 | 0.28 | 0.40 | 0.17 | 10.39 | 0.70 |
| 56 | 4:40 | 2.3 | 0.47 | 0.28 | 0.42 | 0.19 | 11.65 | 0.78 |
| 57 | 4:45 | 2.4 | 0.49 | 0.28 | 0.44 | 0.21 | 12.90 | 0.86 |
| 58 | 4:50 | 2.4 | 0.49 | 0.28 | 0.44 | 0.21 | 12.90 | 0.95 |
| 59 | 4:55 | 2.5 | 0.51 | 0.28 | 0.46 | 0.23 | 14.16 | 1.04 |
| 60 | 5:00 | 2.6 | 0.53 | 0.28 | 0.48 | 0.25 | 15.41 | 1.14 |
| 61 | 5:05 | 3.1 | 0.63 | 0.28 | 0.57 | 0.35 | 21.69 | 1.27 |
| 62 | 5:10 | 3.6 | 0.73 | 0.28 | 0.66 | 0.45 | 27.97 | 1.44 |
| 63 | 5:15 | 3.9 | 0.80 | 0.28 | 0.72 | 0.52 | 31.74 | 1.65 |
| 64 | 5:20 | 4.2 | 0.86 | 0.28 | 0.77 | 0.58 | 35.50 | 1.88 |
| 65 | 5:25 | 4.7 | 0.96 | 0.28 | 0.86 | 0.68 | 41.78 | 2.15 |
| 66 | 5:30 | 5.6 | 1.14 | 0.28 | 1.03 | 0.86 | 53.08 | 2.47 |
| 67 | 5:35 | 1.9 | 0.39 | 0.28 | 0.35 | 0.11 | 6.62 | 2.68 |
| 68 | 5:40 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 1.13 | 2.71 |
| 69 | 5:45 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.75 | 2.71 |
| 70 | 5:50 | 0.5 | 0.10 | 0.28 | 0.09 | 0.01 | 0.63 | 2.72 |
| 71 | 5:55 | 0.3 | 0.06 | 0.28 | 0.06 | 0.01 | 0.38 | 2.72 |
| 72 | 6:00 | 0.2 | 0.04 | 0.28 | 0.04 | 0.00 | 0.25 | 2.72 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.4 |
| AMC | | 1 |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.08 | 0.48 | 0.08 | 0.01 | 0.52 | 0.00 |
| 2 | 0:10 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.62 | 0.01 |
| 3 | 0:15 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.62 | 0.01 |
| 4 | 0:20 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.62 | 0.01 |
| 5 | 0:25 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.62 | 0.02 |
| 6 | 0:30 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.72 | 0.02 |
| 7 | 0:35 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.72 | 0.03 |
| 8 | 0:40 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.72 | 0.03 |
| 9 | 0:45 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.72 | 0.04 |
| 10 | 0:50 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.72 | 0.04 |
| 11 | 0:55 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.72 | 0.05 |
| 12 | 1:00 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.83 | 0.05 |
| 13 | 1:05 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.83 | 0.06 |
| 14 | 1:10 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.83 | 0.06 |
| 15 | 1:15 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.83 | 0.07 |
| 16 | 1:20 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.83 | 0.08 |
| 17 | 1:25 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.83 | 0.08 |
| 18 | 1:30 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.83 | 0.09 |
| 19 | 1:35 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.83 | 0.09 |
| 20 | 1:40 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.83 | 0.10 |
| 21 | 1:45 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.83 | 0.10 |
| 22 | 1:50 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.83 | 0.11 |
| 23 | 1:55 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.83 | 0.12 |
| 24 | 2:00 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.93 | 0.12 |
| 25 | 2:05 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.83 | 0.13 |
| 26 | 2:10 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.93 | 0.13 |
| 27 | 2:15 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.93 | 0.14 |
| 28 | 2:20 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.93 | 0.15 |
| 29 | 2:25 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.93 | 0.15 |
| 30 | 2:30 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.93 | 0.16 |
| 31 | 2:35 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.93 | 0.17 |
| 32 | 2:40 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.93 | 0.17 |
| 33 | 2:45 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 1.03 | 0.18 |
| 34 | 2:50 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 1.03 | 0.19 |
| 35 | 2:55 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 1.03 | 0.19 |
| 36 | 3:00 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 1.03 | 0.20 |
| 37 | 3:05 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 1.03 | 0.21 |
| 38 | 3:10 | 1.1 | 0.18 | 0.48 | 0.17 | 0.02 | 1.14 | 0.22 |
| 39 | 3:15 | 1.1 | 0.18 | 0.48 | 0.17 | 0.02 | 1.14 | 0.22 |
| 40 | 3:20 | 1.1 | 0.18 | 0.48 | 0.17 | 0.02 | 1.14 | 0.23 |
| 41 | 3:25 | 1.2 | 0.20 | 0.48 | 0.18 | 0.02 | 1.24 | 0.24 |
| 42 | 3:30 | 1.3 | 0.22 | 0.48 | 0.20 | 0.02 | 1.34 | 0.25 |
| 43 | 3:35 | 1.4 | 0.24 | 0.48 | 0.21 | 0.02 | 1.45 | 0.26 |
| 44 | 3:40 | 1.4 | 0.24 | 0.48 | 0.21 | 0.02 | 1.45 | 0.27 |
| 45 | 3:45 | 1.5 | 0.25 | 0.48 | 0.23 | 0.03 | 1.55 | 0.28 |
| 46 | 3:50 | 1.5 | 0.25 | 0.48 | 0.23 | 0.03 | 1.55 | 0.29 |
| 47 | 3:55 | 1.6 | 0.27 | 0.48 | 0.24 | 0.03 | 1.65 | 0.30 |
| 48 | 4:00 | 1.6 | 0.27 | 0.48 | 0.24 | 0.03 | 1.65 | 0.31 |
| 49 | 4:05 | 1.7 | 0.29 | 0.48 | 0.26 | 0.03 | 1.76 | 0.32 |
| 50 | 4:10 | 1.8 | 0.30 | 0.48 | 0.27 | 0.03 | 1.86 | 0.34 |
| 51 | 4:15 | 1.9 | 0.32 | 0.48 | 0.29 | 0.03 | 1.96 | 0.35 |
| 52 | 4:20 | 2.0 | 0.34 | 0.48 | 0.30 | 0.03 | 2.07 | 0.36 |
| 53 | 4:25 | 2.1 | 0.35 | 0.48 | 0.32 | 0.04 | 2.17 | 0.38 |
| 54 | 4:30 | 2.1 | 0.35 | 0.48 | 0.32 | 0.04 | 2.17 | 0.39 |
| 55 | 4:35 | 2.2 | 0.37 | 0.48 | 0.33 | 0.04 | 2.27 | 0.41 |
| 56 | 4:40 | 2.3 | 0.39 | 0.48 | 0.35 | 0.04 | 2.38 | 0.42 |
| 57 | 4:45 | 2.4 | 0.40 | 0.48 | 0.36 | 0.04 | 2.48 | 0.44 |
| 58 | 4:50 | 2.4 | 0.40 | 0.48 | 0.36 | 0.04 | 2.48 | 0.46 |
| 59 | 4:55 | 2.5 | 0.42 | 0.48 | 0.38 | 0.04 | 2.59 | 0.47 |
| 60 | 5:00 | 2.6 | 0.44 | 0.48 | 0.39 | 0.04 | 2.69 | 0.49 |
| 61 | 5:05 | 3.1 | 0.52 | 0.48 | 0.47 | 0.04 | 2.51 | 0.51 |
| 62 | 5:10 | 3.6 | 0.60 | 0.48 | 0.54 | 0.12 | 7.68 | 0.55 |
| 63 | 5:15 | 3.9 | 0.66 | 0.48 | 0.59 | 0.18 | 10.78 | 0.61 |
| 64 | 5:20 | 4.2 | 0.71 | 0.48 | 0.64 | 0.23 | 13.89 | 0.69 |
| 65 | 5:25 | 4.7 | 0.79 | 0.48 | 0.71 | 0.31 | 19.06 | 0.81 |
| 66 | 5:30 | 5.6 | 0.94 | 0.48 | 0.85 | 0.46 | 28.36 | 0.97 |
| 67 | 5:35 | 1.9 | 0.32 | 0.48 | 0.29 | 0.03 | 1.96 | 1.08 |
| 68 | 5:40 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.93 | 1.09 |
| 69 | 5:45 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.62 | 1.09 |
| 70 | 5:50 | 0.5 | 0.08 | 0.48 | 0.08 | 0.01 | 0.52 | 1.09 |
| 71 | 5:55 | 0.3 | 0.05 | 0.48 | 0.05 | 0.01 | 0.31 | 1.10 |
| 72 | 6:00 | 0.2 | 0.03 | 0.48 | 0.03 | 0.00 | 0.21 | 1.10 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.0 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.06 | 0.48 | 0.05 | 0.01 | 0.37 | 0.00 |
| 2 | 0:10 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.44 | 0.00 |
| 3 | 0:15 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.44 | 0.01 |
| 4 | 0:20 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.44 | 0.01 |
| 5 | 0:25 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.44 | 0.01 |
| 6 | 0:30 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.52 | 0.02 |
| 7 | 0:35 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.52 | 0.02 |
| 8 | 0:40 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.52 | 0.02 |
| 9 | 0:45 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.52 | 0.03 |
| 10 | 0:50 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.52 | 0.03 |
| 11 | 0:55 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.52 | 0.03 |
| 12 | 1:00 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.59 | 0.04 |
| 13 | 1:05 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.59 | 0.04 |
| 14 | 1:10 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.59 | 0.05 |
| 15 | 1:15 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.59 | 0.05 |
| 16 | 1:20 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.59 | 0.05 |
| 17 | 1:25 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.59 | 0.06 |
| 18 | 1:30 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.59 | 0.06 |
| 19 | 1:35 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.59 | 0.07 |
| 20 | 1:40 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.59 | 0.07 |
| 21 | 1:45 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.59 | 0.07 |
| 22 | 1:50 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.59 | 0.08 |
| 23 | 1:55 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.59 | 0.08 |
| 24 | 2:00 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.66 | 0.09 |
| 25 | 2:05 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.59 | 0.09 |
| 26 | 2:10 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.66 | 0.10 |
| 27 | 2:15 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.66 | 0.10 |
| 28 | 2:20 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.66 | 0.11 |
| 29 | 2:25 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.66 | 0.11 |
| 30 | 2:30 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.66 | 0.11 |
| 31 | 2:35 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.66 | 0.12 |
| 32 | 2:40 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.66 | 0.12 |
| 33 | 2:45 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.74 | 0.13 |
| 34 | 2:50 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.74 | 0.13 |
| 35 | 2:55 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.74 | 0.14 |
| 36 | 3:00 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.74 | 0.14 |
| 37 | 3:05 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.74 | 0.15 |
| 38 | 3:10 | 1.1 | 0.13 | 0.48 | 0.12 | 0.01 | 0.81 | 0.15 |
| 39 | 3:15 | 1.1 | 0.13 | 0.48 | 0.12 | 0.01 | 0.81 | 0.16 |
| 40 | 3:20 | 1.1 | 0.13 | 0.48 | 0.12 | 0.01 | 0.81 | 0.17 |
| 41 | 3:25 | 1.2 | 0.14 | 0.48 | 0.13 | 0.01 | 0.89 | 0.17 |
| 42 | 3:30 | 1.3 | 0.16 | 0.48 | 0.14 | 0.02 | 0.96 | 0.18 |
| 43 | 3:35 | 1.4 | 0.17 | 0.48 | 0.15 | 0.02 | 1.03 | 0.18 |
| 44 | 3:40 | 1.4 | 0.17 | 0.48 | 0.15 | 0.02 | 1.03 | 0.19 |
| 45 | 3:45 | 1.5 | 0.18 | 0.48 | 0.16 | 0.02 | 1.11 | 0.20 |
| 46 | 3:50 | 1.5 | 0.18 | 0.48 | 0.16 | 0.02 | 1.11 | 0.21 |
| 47 | 3:55 | 1.6 | 0.19 | 0.48 | 0.17 | 0.02 | 1.18 | 0.21 |
| 48 | 4:00 | 1.6 | 0.19 | 0.48 | 0.17 | 0.02 | 1.18 | 0.22 |
| 49 | 4:05 | 1.7 | 0.20 | 0.48 | 0.18 | 0.02 | 1.26 | 0.23 |
| 50 | 4:10 | 1.8 | 0.22 | 0.48 | 0.19 | 0.02 | 1.33 | 0.24 |
| 51 | 4:15 | 1.9 | 0.23 | 0.48 | 0.21 | 0.02 | 1.40 | 0.25 |
| 52 | 4:20 | 2.0 | 0.24 | 0.48 | 0.22 | 0.02 | 1.48 | 0.26 |
| 53 | 4:25 | 2.1 | 0.25 | 0.48 | 0.23 | 0.03 | 1.55 | 0.27 |
| 54 | 4:30 | 2.1 | 0.25 | 0.48 | 0.23 | 0.03 | 1.55 | 0.28 |
| 55 | 4:35 | 2.2 | 0.26 | 0.48 | 0.24 | 0.03 | 1.62 | 0.29 |
| 56 | 4:40 | 2.3 | 0.28 | 0.48 | 0.25 | 0.03 | 1.70 | 0.30 |
| 57 | 4:45 | 2.4 | 0.29 | 0.48 | 0.26 | 0.03 | 1.77 | 0.31 |
| 58 | 4:50 | 2.4 | 0.29 | 0.48 | 0.26 | 0.03 | 1.77 | 0.33 |
| 59 | 4:55 | 2.5 | 0.30 | 0.48 | 0.27 | 0.03 | 1.85 | 0.34 |
| 60 | 5:00 | 2.6 | 0.31 | 0.48 | 0.28 | 0.03 | 1.92 | 0.35 |
| 61 | 5:05 | 3.1 | 0.37 | 0.48 | 0.33 | 0.04 | 2.29 | 0.37 |
| 62 | 5:10 | 3.6 | 0.43 | 0.48 | 0.39 | 0.04 | 2.66 | 0.38 |
| 63 | 5:15 | 3.9 | 0.47 | 0.48 | 0.42 | 0.05 | 2.88 | 0.40 |
| 64 | 5:20 | 4.2 | 0.50 | 0.48 | 0.45 | 0.02 | 1.48 | 0.42 |
| 65 | 5:25 | 4.7 | 0.56 | 0.48 | 0.51 | 0.08 | 5.17 | 0.44 |
| 66 | 5:30 | 5.6 | 0.67 | 0.48 | 0.60 | 0.19 | 11.82 | 0.50 |
| 67 | 5:35 | 1.9 | 0.23 | 0.48 | 0.21 | 0.02 | 1.40 | 0.54 |
| 68 | 5:40 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.66 | 0.55 |
| 69 | 5:45 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.44 | 0.56 |
| 70 | 5:50 | 0.5 | 0.06 | 0.48 | 0.05 | 0.01 | 0.37 | 0.56 |
| 71 | 5:55 | 0.3 | 0.04 | 0.48 | 0.03 | 0.00 | 0.22 | 0.56 |
| 72 | 6:00 | 0.2 | 0.02 | 0.48 | 0.02 | 0.00 | 0.15 | 0.56 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.9 |
| AMC | | III |
| RI | | 77.0 |
| Fp | (in/hr) | 0.14 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.14 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.30 | 0.14 | 0.27 | 0.16 | 9.63 | 0.03 |
| 2 | 0:10 | 1.3 | 0.30 | 0.14 | 0.27 | 0.16 | 9.63 | 0.10 |
| 3 | 0:15 | 1.1 | 0.25 | 0.14 | 0.23 | 0.11 | 6.82 | 0.16 |
| 4 | 0:20 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 12.43 | 0.22 |
| 5 | 0:25 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 12.43 | 0.31 |
| 6 | 0:30 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 16.64 | 0.41 |
| 7 | 0:35 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 12.43 | 0.51 |
| 8 | 0:40 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 16.64 | 0.61 |
| 9 | 0:45 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 16.64 | 0.72 |
| 10 | 0:50 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 12.43 | 0.82 |
| 11 | 0:55 | 1.6 | 0.36 | 0.14 | 0.33 | 0.22 | 13.84 | 0.91 |
| 12 | 1:00 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 16.64 | 1.02 |
| 13 | 1:05 | 2.2 | 0.50 | 0.14 | 0.45 | 0.36 | 22.26 | 1.15 |
| 14 | 1:10 | 2.2 | 0.50 | 0.14 | 0.45 | 0.36 | 22.26 | 1.31 |
| 15 | 1:15 | 2.2 | 0.50 | 0.14 | 0.45 | 0.36 | 22.26 | 1.46 |
| 16 | 1:20 | 2.0 | 0.46 | 0.14 | 0.41 | 0.32 | 19.45 | 1.60 |
| 17 | 1:25 | 2.6 | 0.59 | 0.14 | 0.53 | 0.45 | 27.87 | 1.77 |
| 18 | 1:30 | 2.7 | 0.62 | 0.14 | 0.55 | 0.48 | 29.27 | 1.96 |
| 19 | 1:35 | 2.4 | 0.55 | 0.14 | 0.49 | 0.41 | 25.06 | 2.15 |
| 20 | 1:40 | 2.7 | 0.62 | 0.14 | 0.55 | 0.48 | 29.27 | 2.34 |
| 21 | 1:45 | 3.3 | 0.75 | 0.14 | 0.68 | 0.61 | 37.69 | 2.57 |
| 22 | 1:50 | 3.1 | 0.71 | 0.14 | 0.64 | 0.57 | 34.89 | 2.82 |
| 23 | 1:55 | 2.9 | 0.66 | 0.14 | 0.60 | 0.52 | 32.08 | 3.05 |
| 24 | 2:00 | 3.0 | 0.68 | 0.14 | 0.62 | 0.54 | 33.48 | 3.27 |
| 25 | 2:05 | 3.1 | 0.71 | 0.14 | 0.64 | 0.57 | 34.89 | 3.51 |
| 26 | 2:10 | 4.2 | 0.96 | 0.14 | 0.86 | 0.82 | 50.32 | 3.80 |
| 27 | 2:15 | 5.0 | 1.14 | 0.14 | 1.03 | 1.00 | 61.55 | 4.19 |
| 28 | 2:20 | 3.5 | 0.80 | 0.14 | 0.72 | 0.66 | 40.50 | 4.54 |
| 29 | 2:25 | 6.8 | 1.55 | 0.14 | 1.40 | 1.41 | 86.81 | 4.98 |
| 30 | 2:30 | 7.3 | 1.66 | 0.14 | 1.50 | 1.52 | 93.83 | 5.60 |
| 31 | 2:35 | 8.2 | 1.87 | 0.14 | 1.68 | 1.73 | 106.46 | 6.29 |
| 32 | 2:40 | 5.9 | 1.35 | 0.14 | 1.21 | 1.21 | 74.18 | 6.91 |
| 33 | 2:45 | 2.0 | 0.46 | 0.14 | 0.41 | 0.32 | 19.45 | 7.23 |
| 34 | 2:50 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 16.64 | 7.36 |
| 35 | 2:55 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 16.64 | 7.47 |
| 36 | 3:00 | 0.6 | 0.14 | 0.14 | 0.12 | 0.01 | 0.84 | 7.53 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.3 |
| AMC | | II |
| RI | | 77.0 |
| Fp | (in/hr) | 0.28 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.28 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.20 | 0.28 | 0.18 | 0.02 | 1.25 | 0.00 |
| 2 | 0:10 | 1.3 | 0.20 | 0.28 | 0.18 | 0.02 | 1.25 | 0.01 |
| 3 | 0:15 | 1.1 | 0.17 | 0.28 | 0.15 | 0.02 | 1.06 | 0.02 |
| 4 | 0:20 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 1.44 | 0.03 |
| 5 | 0:25 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 1.44 | 0.04 |
| 6 | 0:30 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.05 | 0.04 |
| 7 | 0:35 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 1.44 | 0.05 |
| 8 | 0:40 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.05 | 0.05 |
| 9 | 0:45 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.05 | 0.06 |
| 10 | 0:50 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 1.44 | 0.06 |
| 11 | 0:55 | 1.6 | 0.25 | 0.28 | 0.22 | 0.02 | 1.54 | 0.07 |
| 12 | 1:00 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.05 | 0.08 |
| 13 | 1:05 | 2.2 | 0.34 | 0.28 | 0.31 | 0.06 | 3.89 | 0.09 |
| 14 | 1:10 | 2.2 | 0.34 | 0.28 | 0.31 | 0.06 | 3.89 | 0.12 |
| 15 | 1:15 | 2.2 | 0.34 | 0.28 | 0.31 | 0.06 | 3.89 | 0.14 |
| 16 | 1:20 | 2.0 | 0.31 | 0.28 | 0.28 | 0.03 | 1.97 | 0.16 |
| 17 | 1:25 | 2.6 | 0.41 | 0.28 | 0.37 | 0.13 | 7.73 | 0.20 |
| 18 | 1:30 | 2.7 | 0.42 | 0.28 | 0.38 | 0.14 | 8.69 | 0.25 |
| 19 | 1:35 | 2.4 | 0.37 | 0.28 | 0.34 | 0.09 | 5.81 | 0.30 |
| 20 | 1:40 | 2.7 | 0.42 | 0.28 | 0.38 | 0.14 | 8.69 | 0.35 |
| 21 | 1:45 | 3.3 | 0.51 | 0.28 | 0.46 | 0.23 | 14.45 | 0.43 |
| 22 | 1:50 | 3.1 | 0.48 | 0.28 | 0.44 | 0.20 | 12.53 | 0.53 |
| 23 | 1:55 | 2.9 | 0.45 | 0.28 | 0.41 | 0.17 | 10.61 | 0.61 |
| 24 | 2:00 | 3.0 | 0.47 | 0.28 | 0.42 | 0.19 | 11.57 | 0.68 |
| 25 | 2:05 | 3.1 | 0.48 | 0.28 | 0.44 | 0.20 | 12.53 | 0.76 |
| 26 | 2:10 | 4.2 | 0.66 | 0.28 | 0.59 | 0.38 | 23.09 | 0.89 |
| 27 | 2:15 | 5.0 | 0.78 | 0.28 | 0.70 | 0.50 | 30.78 | 1.07 |
| 28 | 2:20 | 3.5 | 0.55 | 0.28 | 0.49 | 0.27 | 16.37 | 1.24 |
| 29 | 2:25 | 6.8 | 1.06 | 0.28 | 0.95 | 0.78 | 48.06 | 1.46 |
| 30 | 2:30 | 7.3 | 1.14 | 0.28 | 1.02 | 0.86 | 52.86 | 1.80 |
| 31 | 2:35 | 8.2 | 1.28 | 0.28 | 1.15 | 1.00 | 61.50 | 2.20 |
| 32 | 2:40 | 5.9 | 0.92 | 0.28 | 0.83 | 0.64 | 39.42 | 2.55 |
| 33 | 2:45 | 2.0 | 0.31 | 0.28 | 0.28 | 0.03 | 1.97 | 2.69 |
| 34 | 2:50 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.05 | 2.70 |
| 35 | 2:55 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.05 | 2.70 |
| 36 | 3:00 | 0.6 | 0.09 | 0.28 | 0.08 | 0.01 | 0.58 | 2.70 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.1 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.17 | 0.48 | 0.15 | 0.02 | 1.06 | 0.00 |
| 2 | 0:10 | 1.3 | 0.17 | 0.48 | 0.15 | 0.02 | 1.06 | 0.01 |
| 3 | 0:15 | 1.1 | 0.15 | 0.48 | 0.13 | 0.01 | 0.89 | 0.02 |
| 4 | 0:20 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 1.22 | 0.02 |
| 5 | 0:25 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 1.22 | 0.03 |
| 6 | 0:30 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 1.46 | 0.04 |
| 7 | 0:35 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 1.22 | 0.05 |
| 8 | 0:40 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 1.46 | 0.06 |
| 9 | 0:45 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 1.46 | 0.07 |
| 10 | 0:50 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 1.22 | 0.08 |
| 11 | 0:55 | 1.6 | 0.21 | 0.48 | 0.19 | 0.02 | 1.30 | 0.09 |
| 12 | 1:00 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 1.46 | 0.10 |
| 13 | 1:05 | 2.2 | 0.29 | 0.48 | 0.26 | 0.03 | 1.79 | 0.11 |
| 14 | 1:10 | 2.2 | 0.29 | 0.48 | 0.26 | 0.03 | 1.79 | 0.12 |
| 15 | 1:15 | 2.2 | 0.29 | 0.48 | 0.26 | 0.03 | 1.79 | 0.13 |
| 16 | 1:20 | 2.0 | 0.26 | 0.48 | 0.24 | 0.03 | 1.62 | 0.15 |
| 17 | 1:25 | 2.6 | 0.34 | 0.48 | 0.31 | 0.03 | 2.11 | 0.16 |
| 18 | 1:30 | 2.7 | 0.36 | 0.48 | 0.32 | 0.04 | 2.19 | 0.17 |
| 19 | 1:35 | 2.4 | 0.32 | 0.48 | 0.29 | 0.03 | 1.95 | 0.19 |
| 20 | 1:40 | 2.7 | 0.36 | 0.48 | 0.32 | 0.04 | 2.19 | 0.20 |
| 21 | 1:45 | 3.3 | 0.44 | 0.48 | 0.39 | 0.04 | 2.68 | 0.22 |
| 22 | 1:50 | 3.1 | 0.41 | 0.48 | 0.37 | 0.04 | 2.52 | 0.24 |
| 23 | 1:55 | 2.9 | 0.38 | 0.48 | 0.34 | 0.04 | 2.36 | 0.25 |
| 24 | 2:00 | 3.0 | 0.40 | 0.48 | 0.36 | 0.04 | 2.44 | 0.27 |
| 25 | 2:05 | 3.1 | 0.41 | 0.48 | 0.37 | 0.04 | 2.52 | 0.29 |
| 26 | 2:10 | 4.2 | 0.55 | 0.48 | 0.50 | 0.07 | 4.58 | 0.31 |
| 27 | 2:15 | 5.0 | 0.66 | 0.48 | 0.59 | 0.18 | 11.08 | 0.37 |
| 28 | 2:20 | 3.5 | 0.46 | 0.48 | 0.42 | 0.05 | 2.84 | 0.41 |
| 29 | 2:25 | 6.8 | 0.90 | 0.48 | 0.81 | 0.42 | 25.70 | 0.51 |
| 30 | 2:30 | 7.3 | 0.96 | 0.48 | 0.87 | 0.48 | 29.77 | 0.70 |
| 31 | 2:35 | 8.2 | 1.08 | 0.48 | 0.97 | 0.60 | 37.08 | 0.93 |
| 32 | 2:40 | 5.9 | 0.78 | 0.48 | 0.70 | 0.30 | 18.39 | 1.12 |
| 33 | 2:45 | 2.0 | 0.26 | 0.48 | 0.24 | 0.03 | 1.62 | 1.19 |
| 34 | 2:50 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 1.46 | 1.20 |
| 35 | 2:55 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 1.46 | 1.21 |
| 36 | 3:00 | 0.6 | 0.08 | 0.48 | 0.07 | 0.01 | 0.49 | 1.22 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 0.8 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.12 | 0.48 | 0.11 | 0.01 | 0.77 | 0.00 |
| 2 | 0:10 | 1.3 | 0.12 | 0.48 | 0.11 | 0.01 | 0.77 | 0.01 |
| 3 | 0:15 | 1.1 | 0.11 | 0.48 | 0.10 | 0.01 | 0.65 | 0.01 |
| 4 | 0:20 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.89 | 0.02 |
| 5 | 0:25 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.89 | 0.02 |
| 6 | 0:30 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 1.06 | 0.03 |
| 7 | 0:35 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.89 | 0.04 |
| 8 | 0:40 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 1.06 | 0.04 |
| 9 | 0:45 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 1.06 | 0.05 |
| 10 | 0:50 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.89 | 0.06 |
| 11 | 0:55 | 1.6 | 0.15 | 0.48 | 0.14 | 0.02 | 0.95 | 0.06 |
| 12 | 1:00 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 1.06 | 0.07 |
| 13 | 1:05 | 2.2 | 0.21 | 0.48 | 0.19 | 0.02 | 1.30 | 0.08 |
| 14 | 1:10 | 2.2 | 0.21 | 0.48 | 0.19 | 0.02 | 1.30 | 0.09 |
| 15 | 1:15 | 2.2 | 0.21 | 0.48 | 0.19 | 0.02 | 1.30 | 0.10 |
| 16 | 1:20 | 2.0 | 0.19 | 0.48 | 0.17 | 0.02 | 1.18 | 0.11 |
| 17 | 1:25 | 2.6 | 0.25 | 0.48 | 0.22 | 0.02 | 1.54 | 0.12 |
| 18 | 1:30 | 2.7 | 0.26 | 0.48 | 0.23 | 0.03 | 1.60 | 0.13 |
| 19 | 1:35 | 2.4 | 0.23 | 0.48 | 0.21 | 0.02 | 1.42 | 0.14 |
| 20 | 1:40 | 2.7 | 0.26 | 0.48 | 0.23 | 0.03 | 1.60 | 0.15 |
| 21 | 1:45 | 3.3 | 0.32 | 0.48 | 0.29 | 0.03 | 1.95 | 0.16 |
| 22 | 1:50 | 3.1 | 0.30 | 0.48 | 0.27 | 0.03 | 1.83 | 0.17 |
| 23 | 1:55 | 2.9 | 0.28 | 0.48 | 0.25 | 0.03 | 1.71 | 0.18 |
| 24 | 2:00 | 3.0 | 0.29 | 0.48 | 0.26 | 0.03 | 1.77 | 0.20 |
| 25 | 2:05 | 3.1 | 0.30 | 0.48 | 0.27 | 0.03 | 1.83 | 0.21 |
| 26 | 2:10 | 4.2 | 0.40 | 0.48 | 0.36 | 0.04 | 2.48 | 0.22 |
| 27 | 2:15 | 5.0 | 0.48 | 0.48 | 0.43 | 0.05 | 2.95 | 0.24 |
| 28 | 2:20 | 3.5 | 0.34 | 0.48 | 0.30 | 0.03 | 2.07 | 0.26 |
| 29 | 2:25 | 6.8 | 0.65 | 0.48 | 0.59 | 0.17 | 10.64 | 0.30 |
| 30 | 2:30 | 7.3 | 0.70 | 0.48 | 0.63 | 0.22 | 13.59 | 0.39 |
| 31 | 2:35 | 8.2 | 0.79 | 0.48 | 0.71 | 0.31 | 18.91 | 0.50 |
| 32 | 2:40 | 5.9 | 0.57 | 0.48 | 0.51 | 0.09 | 5.32 | 0.58 |
| 33 | 2:45 | 2.0 | 0.19 | 0.48 | 0.17 | 0.02 | 1.18 | 0.60 |
| 34 | 2:50 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 1.06 | 0.61 |
| 35 | 2:55 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 1.06 | 0.62 |
| 36 | 3:00 | 0.6 | 0.06 | 0.48 | 0.05 | 0.01 | 0.35 | 0.62 |

# Hydrologic Summary

BUILDING 1
PROP. CONDITION

## Watershed Characteristics

| | | |
|---|---|---|
| Area | (acres) | 61.55 |
| Soil | | C |
| Cover | | Commercial |

## Hydrograph Parameters

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Rainfall - 24-hr | (inches) | 4.0 | 2.6 | 2.2 | 1.6 | |
| Rainfall - 6-hr | (inches) | 2.5 | 1.7 | 1.4 | 1.0 | |
| Rainfall - 3-hr | (inches) | 1.9 | 1.3 | 1.1 | 0.8 | |
| AMC | | III | II | I | I | |
| RI | | 69 | 69 | 69 | 69 | Plate E-6.1 |
| Fp | (in/hr) | 0.21 | 0.40 | 0.60 | 0.60 | Plate E-6.2 |
| Ai | (decimal) | 0.90 | 0.90 | 0.90 | 0.90 | Plate E-6.3 |
| Low Loss | (decimal) | 0.18 | 0.18 | 0.18 | 0.18 | 0.9-(0.8Ai) |
| F | (in/hr) | 0.04 | 0.08 | 0.11 | 0.11 | Fp(1-0.9Ai) |
| Fm | (in/hr) | 0.02 | 0.04 | 0.06 | 0.06 | F/2 |
| C | | 0.00 | 0.00 | 0.00 | 0.00 | (F-Fm)/54 |

## Hydrograph Results

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Peak Flow | (cfs) | 31.37 | 17.74 | 12.38 | 7.35 | 24-hour |
| Peak Flow | (cfs) | 100.95 | 65.64 | 50.89 | 34.34 | 6-hour |
| Peak Flow | (cfs) | 112.62 | 74.06 | 59.61 | 41.44 | 3-hour |
| Total Runoff | (ac-ft) | 16.13 | 8.87 | 6.34 | 4.40 | 24-hour |
| Total Runoff | (ac-ft) | 11.49 | 6.38 | 4.01 | 3.14 | 6-hour |
| Total Runoff | (ac-ft) | 9.04 | 5.45 | 3.88 | 2.40 | 3-hour |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 4.0 |
| AMC | | III |
| RI | | 69.0 |
| Fp | (in/hr) | 0.21 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.04 |
| Fm | (in/hr) | 0.02 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.03 | 0.07 | 0.01 | 0.03 | 1.62 | 0.02 |
| 2 | 0:30 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 2.42 | 0.06 |
| 3 | 0:45 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 2.42 | 0.11 |
| 4 | 1:00 | 0.4 | 0.06 | 0.07 | 0.01 | 0.05 | 3.23 | 0.17 |
| 5 | 1:15 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 2.42 | 0.23 |
| 6 | 1:30 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 2.42 | 0.28 |
| 7 | 1:45 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 2.42 | 0.33 |
| 8 | 2:00 | 0.4 | 0.06 | 0.06 | 0.01 | 0.05 | 3.23 | 0.38 |
| 9 | 2:15 | 0.4 | 0.06 | 0.06 | 0.01 | 0.05 | 3.23 | 0.45 |
| 10 | 2:30 | 0.4 | 0.06 | 0.06 | 0.01 | 0.00 | 0.04 | 0.48 |
| 11 | 2:45 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 1.08 | 0.50 |
| 12 | 3:00 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 1.12 | 0.52 |
| 13 | 3:15 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 1.17 | 0.54 |
| 14 | 3:30 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 1.22 | 0.57 |
| 15 | 3:45 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 1.26 | 0.59 |
| 16 | 4:00 | 0.6 | 0.10 | 0.06 | 0.02 | 0.04 | 2.30 | 0.63 |
| 17 | 4:15 | 0.6 | 0.10 | 0.06 | 0.02 | 0.04 | 2.34 | 0.68 |
| 18 | 4:30 | 0.7 | 0.11 | 0.06 | 0.02 | 0.05 | 3.37 | 0.74 |
| 19 | 4:45 | 0.7 | 0.11 | 0.06 | 0.02 | 0.06 | 3.42 | 0.81 |
| 20 | 5:00 | 0.8 | 0.13 | 0.06 | 0.02 | 0.07 | 4.45 | 0.89 |
| 21 | 5:15 | 0.6 | 0.10 | 0.06 | 0.02 | 0.04 | 2.52 | 0.96 |
| 22 | 5:30 | 0.7 | 0.11 | 0.05 | 0.02 | 0.06 | 3.55 | 1.02 |
| 23 | 5:45 | 0.8 | 0.13 | 0.05 | 0.02 | 0.07 | 4.58 | 1.11 |
| 24 | 6:00 | 0.8 | 0.13 | 0.05 | 0.02 | 0.08 | 4.62 | 1.20 |
| 25 | 6:15 | 0.9 | 0.14 | 0.05 | 0.03 | 0.09 | 5.65 | 1.31 |
| 26 | 6:30 | 0.9 | 0.14 | 0.05 | 0.03 | 0.09 | 5.69 | 1.42 |
| 27 | 6:45 | 1.0 | 0.16 | 0.05 | 0.03 | 0.11 | 6.72 | 1.55 |
| 28 | 7:00 | 1.0 | 0.16 | 0.05 | 0.03 | 0.11 | 6.76 | 1.69 |
| 29 | 7:15 | 1.0 | 0.16 | 0.05 | 0.03 | 0.11 | 6.80 | 1.83 |
| 30 | 7:30 | 1.1 | 0.18 | 0.05 | 0.03 | 0.13 | 7.83 | 1.98 |
| 31 | 7:45 | 1.2 | 0.19 | 0.05 | 0.03 | 0.14 | 8.86 | 2.16 |
| 32 | 8:00 | 1.3 | 0.21 | 0.05 | 0.04 | 0.16 | 9.88 | 2.35 |
| 33 | 8:15 | 1.5 | 0.24 | 0.05 | 0.04 | 0.19 | 11.89 | 2.57 |
| 34 | 8:30 | 1.5 | 0.24 | 0.05 | 0.04 | 0.19 | 11.93 | 2.82 |
| 35 | 8:45 | 1.6 | 0.26 | 0.05 | 0.05 | 0.21 | 12.96 | 3.08 |
| 36 | 9:00 | 1.7 | 0.27 | 0.04 | 0.05 | 0.23 | 13.98 | 3.36 |
| 37 | 9:15 | 1.9 | 0.30 | 0.04 | 0.05 | 0.26 | 15.99 | 3.67 |
| 38 | 9:30 | 2.0 | 0.32 | 0.04 | 0.06 | 0.28 | 17.01 | 4.01 |
| 39 | 9:45 | 2.1 | 0.34 | 0.04 | 0.06 | 0.29 | 18.04 | 4.37 |
| 40 | 10:00 | 2.2 | 0.35 | 0.04 | 0.06 | 0.31 | 19.06 | 4.75 |
| 41 | 10:15 | 1.5 | 0.24 | 0.04 | 0.04 | 0.20 | 12.20 | 5.07 |
| 42 | 10:30 | 1.5 | 0.24 | 0.04 | 0.04 | 0.20 | 12.24 | 5.33 |
| 43 | 10:45 | 2.0 | 0.32 | 0.04 | 0.06 | 0.28 | 17.20 | 5.63 |
| 44 | 11:00 | 2.0 | 0.32 | 0.04 | 0.06 | 0.28 | 17.24 | 5.99 |
| 45 | 11:15 | 1.9 | 0.30 | 0.04 | 0.05 | 0.26 | 16.29 | 6.33 |
| 46 | 11:30 | 1.9 | 0.30 | 0.04 | 0.05 | 0.27 | 16.33 | 6.67 |
| 47 | 11:45 | 1.7 | 0.27 | 0.04 | 0.05 | 0.23 | 14.39 | 6.99 |
| 48 | 12:00 | 1.8 | 0.29 | 0.04 | 0.05 | 0.25 | 15.41 | 7.30 |
| 49 | 12:15 | 2.5 | 0.40 | 0.04 | 0.07 | 0.36 | 22.34 | 7.69 |
| 50 | 12:30 | 2.6 | 0.42 | 0.04 | 0.07 | 0.38 | 23.36 | 8.16 |
| 51 | 12:45 | 2.8 | 0.45 | 0.04 | 0.08 | 0.41 | 25.36 | 8.66 |
| 52 | 13:00 | 2.9 | 0.46 | 0.04 | 0.08 | 0.43 | 26.38 | 9.20 |
| 53 | 13:15 | 3.4 | 0.54 | 0.03 | 0.10 | 0.51 | 31.34 | 9.79 |
| 54 | 13:30 | 3.4 | 0.54 | 0.03 | 0.10 | 0.51 | 31.37 | 10.44 |
| 55 | 13:45 | 2.3 | 0.37 | 0.03 | 0.07 | 0.33 | 20.57 | 10.98 |
| 56 | 14:00 | 2.3 | 0.37 | 0.03 | 0.07 | 0.33 | 20.60 | 11.40 |
| 57 | 14:15 | 2.7 | 0.43 | 0.03 | 0.08 | 0.40 | 24.57 | 11.87 |
| 58 | 14:30 | 2.6 | 0.42 | 0.03 | 0.07 | 0.38 | 23.62 | 12.37 |
| 59 | 14:45 | 2.6 | 0.42 | 0.03 | 0.07 | 0.38 | 23.65 | 12.85 |
| 60 | 15:00 | 2.5 | 0.40 | 0.03 | 0.07 | 0.37 | 22.69 | 13.33 |
| 61 | 15:15 | 2.4 | 0.38 | 0.03 | 0.07 | 0.35 | 21.74 | 13.79 |
| 62 | 15:30 | 2.3 | 0.37 | 0.03 | 0.07 | 0.34 | 20.78 | 14.23 |
| 63 | 15:45 | 1.9 | 0.30 | 0.03 | 0.05 | 0.27 | 16.87 | 14.62 |
| 64 | 16:00 | 1.9 | 0.30 | 0.03 | 0.05 | 0.27 | 16.90 | 14.97 |
| 65 | 16:15 | 0.4 | 0.06 | 0.03 | 0.01 | 0.03 | 2.15 | 15.17 |
| 66 | 16:30 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 2.18 | 15.21 |
| 67 | 16:45 | 0.3 | 0.05 | 0.03 | 0.01 | 0.02 | 1.22 | 15.25 |
| 68 | 17:00 | 0.3 | 0.05 | 0.03 | 0.01 | 0.02 | 1.25 | 15.27 |
| 69 | 17:15 | 0.5 | 0.08 | 0.03 | 0.01 | 0.05 | 3.24 | 15.32 |
| 70 | 17:30 | 0.5 | 0.08 | 0.03 | 0.01 | 0.05 | 3.27 | 15.39 |
| 71 | 17:45 | 0.5 | 0.08 | 0.03 | 0.01 | 0.05 | 3.29 | 15.45 |
| 72 | 18:00 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 2.33 | 15.51 |
| 73 | 18:15 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 2.36 | 15.56 |
| 74 | 18:30 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 2.38 | 15.61 |
| 75 | 18:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.02 | 1.42 | 15.65 |
| 76 | 19:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.46 | 15.67 |
| 77 | 19:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.02 | 1.46 | 15.69 |
| 78 | 19:30 | 0.4 | 0.06 | 0.02 | 0.01 | 0.04 | 2.47 | 15.73 |
| 79 | 19:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.02 | 1.50 | 15.77 |
| 80 | 20:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.54 | 15.79 |
| 81 | 20:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 1.54 | 15.81 |
| 82 | 20:30 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 1.56 | 15.84 |
| 83 | 20:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 1.58 | 15.88 |
| 84 | 21:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.61 | 15.90 |
| 85 | 21:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 1.61 | 15.92 |
| 86 | 21:30 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.64 | 15.94 |
| 87 | 21:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 1.64 | 15.97 |
| 88 | 22:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.67 | 15.99 |
| 89 | 22:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 1.67 | 16.02 |
| 90 | 22:30 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.69 | 16.04 |
| 91 | 22:45 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.70 | 16.05 |
| 92 | 23:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.71 | 16.07 |
| 93 | 23:15 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.72 | 16.08 |
| 94 | 23:30 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.73 | 16.10 |
| 95 | 23:45 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.74 | 16.11 |
| 96 | 0:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.74 | 16.13 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 2.6 |
| AMC | | II |
| Rl | | 69.0 |
| Fp | (in/hr) | 0.40 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.08 |
| Fm | (in/hr) | 0.04 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.13 | 0.00 | 0.02 | 1.05 | 0.01 |
| 2 | 0:30 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 1.57 | 0.04 |
| 3 | 0:45 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 1.57 | 0.07 |
| 4 | 1:00 | 0.4 | 0.04 | 0.13 | 0.01 | 0.03 | 2.10 | 0.11 |
| 5 | 1:15 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 1.57 | 0.15 |
| 6 | 1:30 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 1.57 | 0.18 |
| 7 | 1:45 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 1.57 | 0.21 |
| 8 | 2:00 | 0.4 | 0.04 | 0.12 | 0.01 | 0.03 | 2.10 | 0.25 |
| 9 | 2:15 | 0.4 | 0.04 | 0.12 | 0.01 | 0.03 | 2.10 | 0.29 |
| 10 | 2:30 | 0.4 | 0.04 | 0.12 | 0.01 | 0.03 | 2.10 | 0.34 |
| 11 | 2:45 | 0.5 | 0.05 | 0.12 | 0.01 | 0.04 | 2.62 | 0.38 |
| 12 | 3:00 | 0.5 | 0.05 | 0.12 | 0.01 | 0.04 | 2.62 | 0.44 |
| 13 | 3:15 | 0.5 | 0.05 | 0.12 | 0.01 | 0.04 | 2.62 | 0.49 |
| 14 | 3:30 | 0.5 | 0.05 | 0.11 | 0.01 | 0.04 | 2.62 | 0.55 |
| 15 | 3:45 | 0.5 | 0.05 | 0.11 | 0.01 | 0.04 | 2.62 | 0.60 |
| 16 | 4:00 | 0.6 | 0.06 | 0.11 | 0.01 | 0.05 | 3.15 | 0.66 |
| 17 | 4:15 | 0.6 | 0.06 | 0.11 | 0.01 | 0.05 | 3.15 | 0.73 |
| 18 | 4:30 | 0.7 | 0.07 | 0.11 | 0.01 | 0.06 | 3.67 | 0.80 |
| 19 | 4:45 | 0.7 | 0.07 | 0.11 | 0.01 | 0.06 | 3.67 | 0.87 |
| 20 | 5:00 | 0.8 | 0.08 | 0.11 | 0.01 | 0.07 | 4.20 | 0.95 |
| 21 | 5:15 | 0.6 | 0.06 | 0.10 | 0.01 | 0.05 | 3.15 | 1.03 |
| 22 | 5:30 | 0.7 | 0.07 | 0.10 | 0.01 | 0.06 | 3.67 | 1.10 |
| 23 | 5:45 | 0.8 | 0.08 | 0.10 | 0.01 | 0.07 | 4.20 | 1.18 |
| 24 | 6:00 | 0.8 | 0.08 | 0.10 | 0.01 | 0.07 | 4.20 | 1.27 |
| 25 | 6:15 | 0.9 | 0.09 | 0.10 | 0.02 | 0.08 | 4.72 | 1.36 |
| 26 | 6:30 | 0.9 | 0.09 | 0.10 | 0.02 | 0.08 | 4.72 | 1.46 |
| 27 | 6:45 | 1.0 | 0.10 | 0.10 | 0.02 | 0.01 | 0.44 | 1.51 |
| 28 | 7:00 | 1.0 | 0.10 | 0.10 | 0.02 | 0.01 | 0.52 | 1.52 |
| 29 | 7:15 | 1.0 | 0.10 | 0.09 | 0.02 | 0.01 | 0.60 | 1.53 |
| 30 | 7:30 | 1.1 | 0.11 | 0.09 | 0.02 | 0.02 | 1.32 | 1.55 |
| 31 | 7:45 | 1.2 | 0.12 | 0.09 | 0.02 | 0.03 | 2.04 | 1.59 |
| 32 | 8:00 | 1.3 | 0.14 | 0.09 | 0.02 | 0.04 | 2.76 | 1.64 |
| 33 | 8:15 | 1.5 | 0.16 | 0.09 | 0.03 | 0.07 | 4.12 | 1.71 |
| 34 | 8:30 | 1.5 | 0.16 | 0.09 | 0.03 | 0.07 | 4.19 | 1.79 |
| 35 | 8:45 | 1.6 | 0.17 | 0.09 | 0.03 | 0.08 | 4.91 | 1.89 |
| 36 | 9:00 | 1.7 | 0.18 | 0.09 | 0.03 | 0.09 | 5.62 | 2.00 |
| 37 | 9:15 | 1.9 | 0.20 | 0.08 | 0.04 | 0.11 | 6.98 | 2.13 |
| 38 | 9:30 | 2.0 | 0.21 | 0.08 | 0.04 | 0.12 | 7.69 | 2.28 |
| 39 | 9:45 | 2.1 | 0.22 | 0.08 | 0.04 | 0.14 | 8.41 | 2.45 |
| 40 | 10:00 | 2.2 | 0.23 | 0.08 | 0.04 | 0.15 | 9.12 | 2.63 |
| 41 | 10:15 | 1.5 | 0.16 | 0.08 | 0.03 | 0.08 | 4.71 | 2.77 |
| 42 | 10:30 | 1.5 | 0.16 | 0.08 | 0.03 | 0.08 | 4.78 | 2.87 |
| 43 | 10:45 | 2.0 | 0.21 | 0.08 | 0.04 | 0.13 | 8.05 | 3.00 |
| 44 | 11:00 | 2.0 | 0.21 | 0.08 | 0.04 | 0.13 | 8.12 | 3.17 |
| 45 | 11:15 | 1.9 | 0.20 | 0.07 | 0.04 | 0.12 | 7.55 | 3.33 |
| 46 | 11:30 | 1.9 | 0.20 | 0.07 | 0.04 | 0.12 | 7.62 | 3.49 |
| 47 | 11:45 | 1.7 | 0.18 | 0.07 | 0.03 | 0.10 | 6.40 | 3.63 |
| 48 | 12:00 | 1.8 | 0.19 | 0.07 | 0.03 | 0.12 | 7.11 | 3.77 |
| 49 | 12:15 | 2.5 | 0.26 | 0.07 | 0.05 | 0.19 | 11.66 | 3.96 |
| 50 | 12:30 | 2.6 | 0.27 | 0.07 | 0.05 | 0.20 | 12.36 | 4.21 |
| 51 | 12:45 | 2.8 | 0.29 | 0.07 | 0.05 | 0.22 | 13.71 | 4.48 |
| 52 | 13:00 | 2.9 | 0.30 | 0.07 | 0.05 | 0.23 | 14.41 | 4.77 |
| 53 | 13:15 | 3.4 | 0.35 | 0.07 | 0.06 | 0.29 | 17.67 | 5.10 |
| 54 | 13:30 | 3.4 | 0.35 | 0.07 | 0.06 | 0.29 | 17.74 | 5.47 |
| 55 | 13:45 | 2.3 | 0.24 | 0.06 | 0.04 | 0.17 | 10.76 | 5.76 |
| 56 | 14:00 | 2.3 | 0.24 | 0.06 | 0.04 | 0.18 | 10.82 | 5.99 |
| 57 | 14:15 | 2.7 | 0.28 | 0.06 | 0.05 | 0.22 | 13.44 | 6.24 |
| 58 | 14:30 | 2.6 | 0.27 | 0.06 | 0.05 | 0.21 | 12.86 | 6.51 |
| 59 | 14:45 | 2.6 | 0.27 | 0.06 | 0.05 | 0.21 | 12.91 | 6.78 |
| 60 | 15:00 | 2.5 | 0.26 | 0.06 | 0.05 | 0.20 | 12.33 | 7.04 |
| 61 | 15:15 | 2.4 | 0.25 | 0.06 | 0.04 | 0.19 | 11.75 | 7.28 |
| 62 | 15:30 | 2.3 | 0.24 | 0.06 | 0.04 | 0.18 | 11.16 | 7.52 |
| 63 | 15:45 | 1.9 | 0.20 | 0.06 | 0.04 | 0.14 | 8.66 | 7.73 |
| 64 | 16:00 | 1.9 | 0.20 | 0.06 | 0.04 | 0.14 | 8.71 | 7.91 |
| 65 | 16:15 | 0.4 | 0.04 | 0.06 | 0.01 | 0.03 | 2.10 | 8.02 |
| 66 | 16:30 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 2.10 | 8.06 |
| 67 | 16:45 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 1.57 | 8.10 |
| 68 | 17:00 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 1.57 | 8.13 |
| 69 | 17:15 | 0.5 | 0.05 | 0.05 | 0.01 | 0.00 | 0.00 | 8.15 |
| 70 | 17:30 | 0.5 | 0.05 | 0.05 | 0.01 | 0.00 | 0.05 | 8.15 |
| 71 | 17:45 | 0.5 | 0.05 | 0.05 | 0.01 | 0.00 | 0.10 | 8.15 |
| 72 | 18:00 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 2.10 | 8.17 |
| 73 | 18:15 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 2.10 | 8.22 |
| 74 | 18:30 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 2.10 | 8.26 |
| 75 | 18:45 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 1.57 | 8.30 |
| 76 | 19:00 | 0.2 | 0.02 | 0.05 | 0.00 | 0.02 | 1.05 | 8.32 |
| 77 | 19:15 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 1.57 | 8.35 |
| 78 | 19:30 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 2.10 | 8.39 |
| 79 | 19:45 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 1.57 | 8.43 |
| 80 | 20:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 1.05 | 8.45 |
| 81 | 20:15 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 1.57 | 8.48 |
| 82 | 20:30 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 1.57 | 8.51 |
| 83 | 20:45 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 1.57 | 8.55 |
| 84 | 21:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 1.05 | 8.57 |
| 85 | 21:15 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 1.57 | 8.60 |
| 86 | 21:30 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 1.05 | 8.63 |
| 87 | 21:45 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 1.57 | 8.65 |
| 88 | 22:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 1.05 | 8.68 |
| 89 | 22:15 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 1.57 | 8.71 |
| 90 | 22:30 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 1.05 | 8.74 |
| 91 | 22:45 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 1.05 | 8.76 |
| 92 | 23:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 1.05 | 8.78 |
| 93 | 23:15 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 1.05 | 8.80 |
| 94 | 23:30 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 1.05 | 8.82 |
| 95 | 23:45 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 1.05 | 8.84 |
| 96 | 0:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 1.05 | 8.87 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 2.2 |
| AMC | | I |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |
| Fm | (in/hr) | 0.06 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.20 | 0.00 | 0.01 | 0.89 | 0.01 |
| 2 | 0:30 | 0.3 | 0.03 | 0.20 | 0.00 | 0.02 | 1.33 | 0.03 |
| 3 | 0:45 | 0.3 | 0.03 | 0.20 | 0.00 | 0.02 | 1.33 | 0.06 |
| 4 | 1:00 | 0.4 | 0.04 | 0.19 | 0.01 | 0.03 | 1.78 | 0.09 |
| 5 | 1:15 | 0.3 | 0.03 | 0.19 | 0.00 | 0.02 | 1.33 | 0.12 |
| 6 | 1:30 | 0.3 | 0.03 | 0.19 | 0.00 | 0.02 | 1.33 | 0.15 |
| 7 | 1:45 | 0.3 | 0.03 | 0.19 | 0.00 | 0.02 | 1.33 | 0.18 |
| 8 | 2:00 | 0.4 | 0.04 | 0.19 | 0.01 | 0.03 | 1.78 | 0.21 |
| 9 | 2:15 | 0.4 | 0.04 | 0.18 | 0.01 | 0.03 | 1.78 | 0.25 |
| 10 | 2:30 | 0.4 | 0.04 | 0.18 | 0.01 | 0.03 | 1.78 | 0.28 |
| 11 | 2:45 | 0.5 | 0.04 | 0.18 | 0.01 | 0.04 | 2.22 | 0.33 |
| 12 | 3:00 | 0.5 | 0.04 | 0.18 | 0.01 | 0.04 | 2.22 | 0.37 |
| 13 | 3:15 | 0.5 | 0.04 | 0.17 | 0.01 | 0.04 | 2.22 | 0.42 |
| 14 | 3:30 | 0.5 | 0.04 | 0.17 | 0.01 | 0.04 | 2.22 | 0.46 |
| 15 | 3:45 | 0.5 | 0.04 | 0.17 | 0.01 | 0.04 | 2.22 | 0.51 |
| 16 | 4:00 | 0.6 | 0.05 | 0.17 | 0.01 | 0.04 | 2.66 | 0.56 |
| 17 | 4:15 | 0.6 | 0.05 | 0.17 | 0.01 | 0.04 | 2.66 | 0.61 |
| 18 | 4:30 | 0.7 | 0.06 | 0.16 | 0.01 | 0.05 | 3.11 | 0.67 |
| 19 | 4:45 | 0.7 | 0.06 | 0.16 | 0.01 | 0.05 | 3.11 | 0.74 |
| 20 | 5:00 | 0.8 | 0.07 | 0.16 | 0.01 | 0.06 | 3.55 | 0.81 |
| 21 | 5:15 | 0.6 | 0.05 | 0.16 | 0.01 | 0.04 | 2.66 | 0.87 |
| 22 | 5:30 | 0.7 | 0.06 | 0.16 | 0.01 | 0.05 | 3.11 | 0.93 |
| 23 | 5:45 | 0.8 | 0.07 | 0.15 | 0.01 | 0.06 | 3.55 | 1.00 |
| 24 | 6:00 | 0.8 | 0.07 | 0.15 | 0.01 | 0.06 | 3.55 | 1.07 |
| 25 | 6:15 | 0.9 | 0.08 | 0.15 | 0.01 | 0.06 | 4.00 | 1.15 |
| 26 | 6:30 | 0.9 | 0.08 | 0.15 | 0.01 | 0.06 | 4.00 | 1.23 |
| 27 | 6:45 | 1.0 | 0.09 | 0.15 | 0.02 | 0.07 | 4.44 | 1.32 |
| 28 | 7:00 | 1.0 | 0.09 | 0.14 | 0.02 | 0.07 | 4.44 | 1.41 |
| 29 | 7:15 | 1.0 | 0.09 | 0.14 | 0.02 | 0.07 | 4.44 | 1.50 |
| 30 | 7:30 | 1.1 | 0.10 | 0.14 | 0.02 | 0.08 | 4.89 | 1.60 |
| 31 | 7:45 | 1.2 | 0.11 | 0.14 | 0.02 | 0.09 | 5.33 | 1.71 |
| 32 | 8:00 | 1.3 | 0.11 | 0.14 | 0.02 | 0.09 | 5.77 | 1.82 |
| 33 | 8:15 | 1.5 | 0.13 | 0.13 | 0.02 | 0.11 | 6.66 | 1.95 |
| 34 | 8:30 | 1.5 | 0.13 | 0.13 | 0.02 | 0.00 | 0.01 | 2.02 |
| 35 | 8:45 | 1.6 | 0.14 | 0.13 | 0.03 | 0.01 | 0.67 | 2.03 |
| 36 | 9:00 | 1.7 | 0.15 | 0.13 | 0.03 | 0.02 | 1.32 | 2.05 |
| 37 | 9:15 | 1.9 | 0.17 | 0.13 | 0.03 | 0.04 | 2.52 | 2.09 |
| 38 | 9:30 | 2.0 | 0.18 | 0.12 | 0.03 | 0.05 | 3.17 | 2.14 |
| 39 | 9:45 | 2.1 | 0.18 | 0.12 | 0.03 | 0.06 | 3.82 | 2.22 |
| 40 | 10:00 | 2.2 | 0.19 | 0.12 | 0.03 | 0.07 | 4.47 | 2.30 |
| 41 | 10:15 | 1.5 | 0.13 | 0.12 | 0.02 | 0.01 | 0.79 | 2.36 |
| 42 | 10:30 | 1.5 | 0.13 | 0.12 | 0.02 | 0.01 | 0.89 | 2.37 |
| 43 | 10:45 | 2.0 | 0.18 | 0.12 | 0.03 | 0.06 | 3.71 | 2.42 |
| 44 | 11:00 | 2.0 | 0.18 | 0.11 | 0.03 | 0.06 | 3.81 | 2.50 |
| 45 | 11:15 | 1.9 | 0.17 | 0.11 | 0.03 | 0.05 | 3.37 | 2.57 |
| 46 | 11:30 | 1.9 | 0.17 | 0.11 | 0.03 | 0.06 | 3.47 | 2.64 |
| 47 | 11:45 | 1.7 | 0.15 | 0.11 | 0.03 | 0.04 | 2.49 | 2.71 |
| 48 | 12:00 | 1.8 | 0.16 | 0.11 | 0.03 | 0.05 | 3.13 | 2.76 |
| 49 | 12:15 | 2.5 | 0.22 | 0.11 | 0.04 | 0.11 | 7.02 | 2.87 |
| 50 | 12:30 | 2.6 | 0.23 | 0.10 | 0.04 | 0.12 | 7.66 | 3.02 |
| 51 | 12:45 | 2.8 | 0.25 | 0.10 | 0.04 | 0.14 | 8.84 | 3.19 |
| 52 | 13:00 | 2.9 | 0.26 | 0.10 | 0.05 | 0.15 | 9.48 | 3.38 |
| 53 | 13:15 | 3.4 | 0.30 | 0.10 | 0.05 | 0.20 | 12.28 | 3.61 |
| 54 | 13:30 | 3.4 | 0.30 | 0.10 | 0.05 | 0.20 | 12.38 | 3.86 |
| 55 | 13:45 | 2.3 | 0.20 | 0.10 | 0.04 | 0.11 | 6.51 | 4.06 |
| 56 | 14:00 | 2.3 | 0.20 | 0.10 | 0.04 | 0.11 | 6.60 | 4.19 |
| 57 | 14:15 | 2.7 | 0.24 | 0.09 | 0.04 | 0.14 | 8.86 | 4.35 |
| 58 | 14:30 | 2.6 | 0.23 | 0.09 | 0.04 | 0.14 | 8.40 | 4.53 |
| 59 | 14:45 | 2.6 | 0.23 | 0.09 | 0.04 | 0.14 | 8.49 | 4.70 |
| 60 | 15:00 | 2.5 | 0.22 | 0.09 | 0.04 | 0.13 | 8.03 | 4.87 |
| 61 | 15:15 | 2.4 | 0.21 | 0.09 | 0.04 | 0.12 | 7.58 | 5.04 |
| 62 | 15:30 | 2.3 | 0.20 | 0.09 | 0.04 | 0.12 | 7.12 | 5.19 |
| 63 | 15:45 | 1.9 | 0.17 | 0.09 | 0.03 | 0.08 | 5.03 | 5.31 |
| 64 | 16:00 | 1.9 | 0.17 | 0.08 | 0.03 | 0.08 | 5.11 | 5.42 |
| 65 | 16:15 | 0.4 | 0.04 | 0.08 | 0.01 | 0.03 | 1.78 | 5.49 |
| 66 | 16:30 | 0.4 | 0.04 | 0.08 | 0.01 | 0.03 | 1.78 | 5.53 |
| 67 | 16:45 | 0.3 | 0.03 | 0.08 | 0.00 | 0.02 | 1.33 | 5.56 |
| 68 | 17:00 | 0.3 | 0.03 | 0.08 | 0.00 | 0.02 | 1.33 | 5.58 |
| 69 | 17:15 | 0.5 | 0.04 | 0.08 | 0.01 | 0.04 | 2.22 | 5.62 |
| 70 | 17:30 | 0.5 | 0.04 | 0.08 | 0.01 | 0.04 | 2.22 | 5.67 |
| 71 | 17:45 | 0.5 | 0.04 | 0.08 | 0.01 | 0.04 | 2.22 | 5.71 |
| 72 | 18:00 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 1.78 | 5.75 |
| 73 | 18:15 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 1.78 | 5.79 |
| 74 | 18:30 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 1.78 | 5.83 |
| 75 | 18:45 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 1.33 | 5.86 |
| 76 | 19:00 | 0.2 | 0.02 | 0.07 | 0.00 | 0.01 | 0.89 | 5.88 |
| 77 | 19:15 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 1.33 | 5.91 |
| 78 | 19:30 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 1.78 | 5.94 |
| 79 | 19:45 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 1.33 | 5.97 |
| 80 | 20:00 | 0.2 | 0.02 | 0.07 | 0.00 | 0.01 | 0.89 | 5.99 |
| 81 | 20:15 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 1.33 | 6.02 |
| 82 | 20:30 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 1.33 | 6.04 |
| 83 | 20:45 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 1.33 | 6.07 |
| 84 | 21:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.89 | 6.09 |
| 85 | 21:15 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 1.33 | 6.12 |
| 86 | 21:30 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.89 | 6.14 |
| 87 | 21:45 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 1.33 | 6.16 |
| 88 | 22:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.89 | 6.19 |
| 89 | 22:15 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 1.33 | 6.21 |
| 90 | 22:30 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.89 | 6.23 |
| 91 | 22:45 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.89 | 6.25 |
| 92 | 23:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.89 | 6.27 |
| 93 | 23:15 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.89 | 6.29 |
| 94 | 23:30 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.89 | 6.31 |
| 95 | 23:45 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.89 | 6.32 |
| 96 | 0:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.89 | 6.34 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.6 |
| AMC | | I |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |
| Fm | (in/hr) | 0.06 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.01 | 0.20 | 0.00 | 0.01 | 0.65 | 0.01 |
| 2 | 0:30 | 0.3 | 0.02 | 0.20 | 0.00 | 0.02 | 0.97 | 0.02 |
| 3 | 0:45 | 0.3 | 0.02 | 0.20 | 0.00 | 0.02 | 0.97 | 0.04 |
| 4 | 1:00 | 0.4 | 0.03 | 0.19 | 0.00 | 0.02 | 1.29 | 0.07 |
| 5 | 1:15 | 0.3 | 0.02 | 0.19 | 0.00 | 0.02 | 0.97 | 0.09 |
| 6 | 1:30 | 0.3 | 0.02 | 0.19 | 0.00 | 0.02 | 0.97 | 0.11 |
| 7 | 1:45 | 0.3 | 0.02 | 0.19 | 0.00 | 0.02 | 0.97 | 0.13 |
| 8 | 2:00 | 0.4 | 0.03 | 0.19 | 0.00 | 0.02 | 1.29 | 0.15 |
| 9 | 2:15 | 0.4 | 0.03 | 0.18 | 0.00 | 0.02 | 1.29 | 0.18 |
| 10 | 2:30 | 0.4 | 0.03 | 0.18 | 0.00 | 0.02 | 1.29 | 0.21 |
| 11 | 2:45 | 0.5 | 0.03 | 0.18 | 0.01 | 0.03 | 1.62 | 0.24 |
| 12 | 3:00 | 0.5 | 0.03 | 0.18 | 0.01 | 0.03 | 1.62 | 0.27 |
| 13 | 3:15 | 0.5 | 0.03 | 0.17 | 0.01 | 0.03 | 1.62 | 0.30 |
| 14 | 3:30 | 0.5 | 0.03 | 0.17 | 0.01 | 0.03 | 1.62 | 0.34 |
| 15 | 3:45 | 0.5 | 0.03 | 0.17 | 0.01 | 0.03 | 1.62 | 0.37 |
| 16 | 4:00 | 0.6 | 0.04 | 0.17 | 0.01 | 0.03 | 1.94 | 0.41 |
| 17 | 4:15 | 0.6 | 0.04 | 0.17 | 0.01 | 0.03 | 1.94 | 0.45 |
| 18 | 4:30 | 0.7 | 0.04 | 0.16 | 0.01 | 0.04 | 2.26 | 0.49 |
| 19 | 4:45 | 0.7 | 0.04 | 0.16 | 0.01 | 0.04 | 2.26 | 0.54 |
| 20 | 5:00 | 0.8 | 0.05 | 0.16 | 0.01 | 0.04 | 2.58 | 0.59 |
| 21 | 5:15 | 0.6 | 0.04 | 0.16 | 0.01 | 0.03 | 1.94 | 0.63 |
| 22 | 5:30 | 0.7 | 0.04 | 0.16 | 0.01 | 0.04 | 2.26 | 0.68 |
| 23 | 5:45 | 0.8 | 0.05 | 0.15 | 0.01 | 0.04 | 2.58 | 0.73 |
| 24 | 6:00 | 0.8 | 0.05 | 0.15 | 0.01 | 0.04 | 2.58 | 0.78 |
| 25 | 6:15 | 0.9 | 0.06 | 0.15 | 0.01 | 0.05 | 2.91 | 0.84 |
| 26 | 6:30 | 0.9 | 0.06 | 0.15 | 0.01 | 0.05 | 2.91 | 0.90 |
| 27 | 6:45 | 1.0 | 0.06 | 0.15 | 0.01 | 0.05 | 3.23 | 0.96 |
| 28 | 7:00 | 1.0 | 0.06 | 0.14 | 0.01 | 0.05 | 3.23 | 1.03 |
| 29 | 7:15 | 1.0 | 0.06 | 0.14 | 0.01 | 0.05 | 3.23 | 1.09 |
| 30 | 7:30 | 1.1 | 0.07 | 0.14 | 0.01 | 0.06 | 3.55 | 1.16 |
| 31 | 7:45 | 1.2 | 0.08 | 0.14 | 0.01 | 0.06 | 3.88 | 1.24 |
| 32 | 8:00 | 1.3 | 0.08 | 0.14 | 0.01 | 0.07 | 4.20 | 1.32 |
| 33 | 8:15 | 1.5 | 0.10 | 0.13 | 0.02 | 0.08 | 4.85 | 1.42 |
| 34 | 8:30 | 1.5 | 0.10 | 0.13 | 0.02 | 0.08 | 4.85 | 1.52 |
| 35 | 8:45 | 1.6 | 0.10 | 0.13 | 0.02 | 0.08 | 5.17 | 1.62 |
| 36 | 9:00 | 1.7 | 0.11 | 0.13 | 0.02 | 0.09 | 5.49 | 1.73 |
| 37 | 9:15 | 1.9 | 0.12 | 0.13 | 0.02 | 0.10 | 6.14 | 1.85 |
| 38 | 9:30 | 2.0 | 0.13 | 0.12 | 0.02 | 0.00 | 0.21 | 1.92 |
| 39 | 9:45 | 2.1 | 0.13 | 0.12 | 0.02 | 0.01 | 0.72 | 1.93 |
| 40 | 10:00 | 2.2 | 0.14 | 0.12 | 0.03 | 0.02 | 1.22 | 1.95 |
| 41 | 10:15 | 1.5 | 0.10 | 0.12 | 0.02 | 0.08 | 4.85 | 2.01 |
| 42 | 10:30 | 1.5 | 0.10 | 0.12 | 0.02 | 0.08 | 4.85 | 2.11 |
| 43 | 10:45 | 2.0 | 0.13 | 0.12 | 0.02 | 0.01 | 0.75 | 2.17 |
| 44 | 11:00 | 2.0 | 0.13 | 0.11 | 0.02 | 0.01 | 0.86 | 2.18 |
| 45 | 11:15 | 1.9 | 0.12 | 0.11 | 0.02 | 0.01 | 0.57 | 2.20 |
| 46 | 11:30 | 1.9 | 0.12 | 0.11 | 0.02 | 0.01 | 0.67 | 2.21 |
| 47 | 11:45 | 1.7 | 0.11 | 0.11 | 0.02 | 0.09 | 5.49 | 2.28 |
| 48 | 12:00 | 1.8 | 0.12 | 0.11 | 0.02 | 0.01 | 0.47 | 2.34 |
| 49 | 12:15 | 2.5 | 0.16 | 0.11 | 0.03 | 0.05 | 3.33 | 2.38 |
| 50 | 12:30 | 2.6 | 0.17 | 0.10 | 0.03 | 0.06 | 3.82 | 2.45 |
| 51 | 12:45 | 2.8 | 0.18 | 0.10 | 0.03 | 0.08 | 4.71 | 2.54 |
| 52 | 13:00 | 2.9 | 0.19 | 0.10 | 0.03 | 0.08 | 5.20 | 2.64 |
| 53 | 13:15 | 3.4 | 0.22 | 0.10 | 0.04 | 0.12 | 7.26 | 2.77 |
| 54 | 13:30 | 3.4 | 0.22 | 0.10 | 0.04 | 0.12 | 7.35 | 2.92 |
| 55 | 13:45 | 2.3 | 0.15 | 0.10 | 0.03 | 0.05 | 3.11 | 3.03 |
| 56 | 14:00 | 2.3 | 0.15 | 0.10 | 0.03 | 0.05 | 3.20 | 3.09 |
| 57 | 14:15 | 2.7 | 0.17 | 0.09 | 0.03 | 0.08 | 4.87 | 3.18 |
| 58 | 14:30 | 2.6 | 0.17 | 0.09 | 0.03 | 0.07 | 4.56 | 3.27 |
| 59 | 14:45 | 2.6 | 0.17 | 0.09 | 0.03 | 0.08 | 4.65 | 3.37 |
| 60 | 15:00 | 2.5 | 0.16 | 0.09 | 0.03 | 0.07 | 4.34 | 3.46 |
| 61 | 15:15 | 2.4 | 0.15 | 0.09 | 0.03 | 0.07 | 4.03 | 3.55 |
| 62 | 15:30 | 2.3 | 0.15 | 0.09 | 0.03 | 0.06 | 3.72 | 3.63 |
| 63 | 15:45 | 1.9 | 0.12 | 0.09 | 0.02 | 0.04 | 2.22 | 3.69 |
| 64 | 16:00 | 1.9 | 0.12 | 0.08 | 0.02 | 0.04 | 2.31 | 3.74 |
| 65 | 16:15 | 0.4 | 0.03 | 0.08 | 0.00 | 0.02 | 1.29 | 3.77 |
| 66 | 16:30 | 0.4 | 0.03 | 0.08 | 0.00 | 0.02 | 1.29 | 3.80 |
| 67 | 16:45 | 0.3 | 0.02 | 0.08 | 0.00 | 0.02 | 0.97 | 3.82 |
| 68 | 17:00 | 0.3 | 0.02 | 0.08 | 0.00 | 0.02 | 0.97 | 3.84 |
| 69 | 17:15 | 0.5 | 0.03 | 0.08 | 0.01 | 0.03 | 1.62 | 3.87 |
| 70 | 17:30 | 0.5 | 0.03 | 0.08 | 0.01 | 0.03 | 1.62 | 3.90 |
| 71 | 17:45 | 0.5 | 0.03 | 0.08 | 0.01 | 0.03 | 1.62 | 3.94 |
| 72 | 18:00 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 1.29 | 3.97 |
| 73 | 18:15 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 1.29 | 3.99 |
| 74 | 18:30 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 1.29 | 4.02 |
| 75 | 18:45 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.97 | 4.04 |
| 76 | 19:00 | 0.2 | 0.01 | 0.07 | 0.00 | 0.01 | 0.65 | 4.06 |
| 77 | 19:15 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.97 | 4.08 |
| 78 | 19:30 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 1.29 | 4.10 |
| 79 | 19:45 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.97 | 4.12 |
| 80 | 20:00 | 0.2 | 0.01 | 0.07 | 0.00 | 0.01 | 0.65 | 4.14 |
| 81 | 20:15 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.97 | 4.16 |
| 82 | 20:30 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.97 | 4.18 |
| 83 | 20:45 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.97 | 4.20 |
| 84 | 21:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.65 | 4.21 |
| 85 | 21:15 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.97 | 4.23 |
| 86 | 21:30 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.65 | 4.25 |
| 87 | 21:45 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.97 | 4.26 |
| 88 | 22:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.65 | 4.28 |
| 89 | 22:15 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.97 | 4.30 |
| 90 | 22:30 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.65 | 4.31 |
| 91 | 22:45 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.65 | 4.33 |
| 92 | 23:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.65 | 4.34 |
| 93 | 23:15 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.65 | 4.35 |
| 94 | 23:30 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.65 | 4.37 |
| 95 | 23:45 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.65 | 4.38 |
| 96 | 0:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.65 | 4.40 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 2.5 |
| AMC | | III |
| RI | | 69.0 |
| Fp | (in/hr) | 0.21 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.04 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.15 | 0.04 | 0.03 | 0.11 | 6.78 | 0.02 |
| 2 | 0:10 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 8.62 | 0.08 |
| 3 | 0:15 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 8.62 | 0.14 |
| 4 | 0:20 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 8.62 | 0.20 |
| 5 | 0:25 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 8.62 | 0.25 |
| 6 | 0:30 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 10.47 | 0.32 |
| 7 | 0:35 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 10.47 | 0.39 |
| 8 | 0:40 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 10.47 | 0.46 |
| 9 | 0:45 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 10.47 | 0.54 |
| 10 | 0:50 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 10.47 | 0.61 |
| 11 | 0:55 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 10.47 | 0.68 |
| 12 | 1:00 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 12.32 | 0.76 |
| 13 | 1:05 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 12.32 | 0.84 |
| 14 | 1:10 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 12.32 | 0.93 |
| 15 | 1:15 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 12.32 | 1.01 |
| 16 | 1:20 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 12.32 | 1.10 |
| 17 | 1:25 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 12.32 | 1.18 |
| 18 | 1:30 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 12.32 | 1.27 |
| 19 | 1:35 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 12.32 | 1.35 |
| 20 | 1:40 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 12.32 | 1.44 |
| 21 | 1:45 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 12.32 | 1.52 |
| 22 | 1:50 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 12.32 | 1.61 |
| 23 | 1:55 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 12.32 | 1.69 |
| 24 | 2:00 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 14.16 | 1.78 |
| 25 | 2:05 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 12.32 | 1.87 |
| 26 | 2:10 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 14.16 | 1.97 |
| 27 | 2:15 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 14.16 | 2.06 |
| 28 | 2:20 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 14.16 | 2.16 |
| 29 | 2:25 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 14.16 | 2.26 |
| 30 | 2:30 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 14.16 | 2.36 |
| 31 | 2:35 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 14.16 | 2.45 |
| 32 | 2:40 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 14.16 | 2.55 |
| 33 | 2:45 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 16.01 | 2.65 |
| 34 | 2:50 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 16.01 | 2.77 |
| 35 | 2:55 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 16.01 | 2.88 |
| 36 | 3:00 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 16.01 | 2.99 |
| 37 | 3:05 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 16.01 | 3.10 |
| 38 | 3:10 | 1.1 | 0.33 | 0.04 | 0.06 | 0.29 | 17.86 | 3.21 |
| 39 | 3:15 | 1.1 | 0.33 | 0.04 | 0.06 | 0.29 | 17.86 | 3.34 |
| 40 | 3:20 | 1.1 | 0.33 | 0.04 | 0.06 | 0.29 | 17.86 | 3.46 |
| 41 | 3:25 | 1.2 | 0.36 | 0.04 | 0.06 | 0.32 | 19.70 | 3.59 |
| 42 | 3:30 | 1.3 | 0.39 | 0.04 | 0.07 | 0.35 | 21.55 | 3.73 |
| 43 | 3:35 | 1.4 | 0.42 | 0.04 | 0.08 | 0.38 | 23.40 | 3.88 |
| 44 | 3:40 | 1.4 | 0.42 | 0.04 | 0.08 | 0.38 | 23.40 | 4.05 |
| 45 | 3:45 | 1.5 | 0.45 | 0.04 | 0.08 | 0.41 | 25.24 | 4.21 |
| 46 | 3:50 | 1.5 | 0.45 | 0.04 | 0.08 | 0.41 | 25.24 | 4.39 |
| 47 | 3:55 | 1.6 | 0.48 | 0.04 | 0.09 | 0.44 | 27.09 | 4.57 |
| 48 | 4:00 | 1.6 | 0.48 | 0.04 | 0.09 | 0.44 | 27.09 | 4.75 |
| 49 | 4:05 | 1.7 | 0.51 | 0.04 | 0.09 | 0.47 | 28.93 | 4.95 |
| 50 | 4:10 | 1.8 | 0.54 | 0.04 | 0.10 | 0.50 | 30.78 | 5.15 |
| 51 | 4:15 | 1.9 | 0.57 | 0.04 | 0.10 | 0.53 | 32.63 | 5.37 |
| 52 | 4:20 | 2.0 | 0.60 | 0.04 | 0.11 | 0.56 | 34.47 | 5.60 |
| 53 | 4:25 | 2.1 | 0.63 | 0.04 | 0.11 | 0.59 | 36.32 | 5.85 |
| 54 | 4:30 | 2.1 | 0.63 | 0.04 | 0.11 | 0.59 | 36.32 | 6.10 |
| 55 | 4:35 | 2.2 | 0.66 | 0.04 | 0.12 | 0.62 | 38.17 | 6.35 |
| 56 | 4:40 | 2.3 | 0.69 | 0.04 | 0.12 | 0.65 | 40.01 | 6.62 |
| 57 | 4:45 | 2.4 | 0.72 | 0.04 | 0.13 | 0.68 | 41.86 | 6.90 |
| 58 | 4:50 | 2.4 | 0.72 | 0.04 | 0.13 | 0.68 | 41.86 | 7.19 |
| 59 | 4:55 | 2.5 | 0.75 | 0.04 | 0.14 | 0.71 | 43.71 | 7.49 |
| 60 | 5:00 | 2.6 | 0.78 | 0.04 | 0.14 | 0.74 | 45.55 | 7.79 |
| 61 | 5:05 | 3.1 | 0.93 | 0.04 | 0.17 | 0.89 | 54.79 | 8.14 |
| 62 | 5:10 | 3.6 | 1.08 | 0.04 | 0.19 | 1.04 | 64.02 | 8.55 |
| 63 | 5:15 | 3.9 | 1.17 | 0.04 | 0.21 | 1.13 | 69.56 | 9.01 |
| 64 | 5:20 | 4.2 | 1.26 | 0.04 | 0.23 | 1.22 | 75.10 | 9.51 |
| 65 | 5:25 | 4.7 | 1.41 | 0.04 | 0.25 | 1.37 | 84.33 | 10.06 |
| 66 | 5:30 | 5.6 | 1.68 | 0.04 | 0.30 | 1.64 | 100.95 | 10.69 |
| 67 | 5:35 | 1.9 | 0.57 | 0.04 | 0.10 | 0.53 | 32.63 | 11.15 |
| 68 | 5:40 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 14.16 | 11.31 |
| 69 | 5:45 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 8.62 | 11.39 |
| 70 | 5:50 | 0.5 | 0.15 | 0.04 | 0.03 | 0.11 | 6.78 | 11.45 |
| 71 | 5:55 | 0.3 | 0.09 | 0.04 | 0.02 | 0.05 | 3.08 | 11.48 |
| 72 | 6:00 | 0.2 | 0.06 | 0.04 | 0.01 | 0.02 | 1.24 | 11.49 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.7 |
| AMC | | II |
| RI | | 69.0 |
| Fp | (in/hr) | 0.40 |
| At | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.08 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.10 | 0.08 | 0.02 | 0.03 | 1.60 | 0.01 |
| 2 | 0:10 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 2.86 | 0.02 |
| 3 | 0:15 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 2.86 | 0.04 |
| 4 | 0:20 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 2.86 | 0.06 |
| 5 | 0:25 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 2.86 | 0.08 |
| 6 | 0:30 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 4.11 | 0.10 |
| 7 | 0:35 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 4.11 | 0.13 |
| 8 | 0:40 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 4.11 | 0.16 |
| 9 | 0:45 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 4.11 | 0.19 |
| 10 | 0:50 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 4.11 | 0.22 |
| 11 | 0:55 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 4.11 | 0.25 |
| 12 | 1:00 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 5.37 | 0.28 |
| 13 | 1:05 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 5.37 | 0.32 |
| 14 | 1:10 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 5.37 | 0.35 |
| 15 | 1:15 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 5.37 | 0.39 |
| 16 | 1:20 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 5.37 | 0.43 |
| 17 | 1:25 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 5.37 | 0.46 |
| 18 | 1:30 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 5.37 | 0.50 |
| 19 | 1:35 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 5.37 | 0.54 |
| 20 | 1:40 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 5.37 | 0.57 |
| 21 | 1:45 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 5.37 | 0.61 |
| 22 | 1:50 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 5.37 | 0.65 |
| 23 | 1:55 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 5.37 | 0.68 |
| 24 | 2:00 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 6.62 | 0.73 |
| 25 | 2:05 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 5.37 | 0.77 |
| 26 | 2:10 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 6.62 | 0.81 |
| 27 | 2:15 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 6.62 | 0.85 |
| 28 | 2:20 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 6.62 | 0.90 |
| 29 | 2:25 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 6.62 | 0.95 |
| 30 | 2:30 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 6.62 | 0.99 |
| 31 | 2:35 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 6.62 | 1.04 |
| 32 | 2:40 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 6.62 | 1.08 |
| 33 | 2:45 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 7.88 | 1.13 |
| 34 | 2:50 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 7.88 | 1.19 |
| 35 | 2:55 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 7.88 | 1.24 |
| 36 | 3:00 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 7.88 | 1.29 |
| 37 | 3:05 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 7.88 | 1.35 |
| 38 | 3:10 | 1.1 | 0.22 | 0.08 | 0.04 | 0.15 | 9.13 | 1.41 |
| 39 | 3:15 | 1.1 | 0.22 | 0.08 | 0.04 | 0.15 | 9.13 | 1.47 |
| 40 | 3:20 | 1.1 | 0.22 | 0.08 | 0.04 | 0.15 | 9.13 | 1.53 |
| 41 | 3:25 | 1.2 | 0.24 | 0.08 | 0.04 | 0.17 | 10.39 | 1.60 |
| 42 | 3:30 | 1.3 | 0.27 | 0.08 | 0.05 | 0.19 | 11.65 | 1.68 |
| 43 | 3:35 | 1.4 | 0.29 | 0.08 | 0.05 | 0.21 | 12.90 | 1.76 |
| 44 | 3:40 | 1.4 | 0.29 | 0.08 | 0.05 | 0.21 | 12.90 | 1.85 |
| 45 | 3:45 | 1.5 | 0.31 | 0.08 | 0.06 | 0.23 | 14.16 | 1.94 |
| 46 | 3:50 | 1.5 | 0.31 | 0.08 | 0.06 | 0.23 | 14.16 | 2.04 |
| 47 | 3:55 | 1.6 | 0.33 | 0.08 | 0.06 | 0.25 | 15.41 | 2.14 |
| 48 | 4:00 | 1.6 | 0.33 | 0.08 | 0.06 | 0.25 | 15.41 | 2.25 |
| 49 | 4:05 | 1.7 | 0.35 | 0.08 | 0.06 | 0.27 | 16.67 | 2.36 |
| 50 | 4:10 | 1.8 | 0.37 | 0.08 | 0.07 | 0.29 | 17.92 | 2.48 |
| 51 | 4:15 | 1.9 | 0.39 | 0.08 | 0.07 | 0.31 | 19.18 | 2.61 |
| 52 | 4:20 | 2.0 | 0.41 | 0.08 | 0.07 | 0.33 | 20.43 | 2.74 |
| 53 | 4:25 | 2.1 | 0.43 | 0.08 | 0.08 | 0.35 | 21.69 | 2.89 |
| 54 | 4:30 | 2.1 | 0.43 | 0.08 | 0.08 | 0.35 | 21.69 | 3.04 |
| 55 | 4:35 | 2.2 | 0.45 | 0.08 | 0.08 | 0.37 | 22.95 | 3.19 |
| 56 | 4:40 | 2.3 | 0.47 | 0.08 | 0.08 | 0.39 | 24.20 | 3.35 |
| 57 | 4:45 | 2.4 | 0.49 | 0.08 | 0.09 | 0.41 | 25.46 | 3.52 |
| 58 | 4:50 | 2.4 | 0.49 | 0.08 | 0.09 | 0.41 | 25.46 | 3.70 |
| 59 | 4:55 | 2.5 | 0.51 | 0.08 | 0.09 | 0.43 | 26.71 | 3.88 |
| 60 | 5:00 | 2.6 | 0.53 | 0.08 | 0.10 | 0.45 | 27.97 | 4.07 |
| 61 | 5:05 | 3.1 | 0.63 | 0.08 | 0.11 | 0.56 | 34.25 | 4.28 |
| 62 | 5:10 | 3.6 | 0.73 | 0.08 | 0.13 | 0.66 | 40.52 | 4.54 |
| 63 | 5:15 | 3.9 | 0.80 | 0.08 | 0.14 | 0.72 | 44.29 | 4.83 |
| 64 | 5:20 | 4.2 | 0.86 | 0.08 | 0.15 | 0.78 | 48.06 | 5.15 |
| 65 | 5:25 | 4.7 | 0.96 | 0.08 | 0.17 | 0.88 | 54.34 | 5.50 |
| 66 | 5:30 | 5.6 | 1.14 | 0.08 | 0.21 | 1.07 | 65.64 | 5.91 |
| 67 | 5:35 | 1.9 | 0.39 | 0.08 | 0.07 | 0.31 | 19.18 | 6.21 |
| 68 | 5:40 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 6.62 | 6.30 |
| 69 | 5:45 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 2.86 | 6.33 |
| 70 | 5:50 | 0.5 | 0.10 | 0.08 | 0.02 | 0.03 | 1.60 | 6.34 |
| 71 | 5:55 | 0.3 | 0.06 | 0.08 | 0.01 | 0.05 | 3.09 | 6.36 |
| 72 | 6:00 | 0.2 | 0.04 | 0.08 | 0.01 | 0.03 | 2.06 | 6.38 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.4 |
| AMC | | 1 |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| At | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.08 | 0.11 | 0.02 | 0.07 | 4.24 | 0.01 |
| 2 | 0:10 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 5.09 | 0.05 |
| 3 | 0:15 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 5.09 | 0.08 |
| 4 | 0:20 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 5.09 | 0.12 |
| 5 | 0:25 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 5.09 | 0.15 |
| 6 | 0:30 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.22 | 0.17 |
| 7 | 0:35 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.22 | 0.17 |
| 8 | 0:40 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.22 | 0.17 |
| 9 | 0:45 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.22 | 0.17 |
| 10 | 0:50 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.22 | 0.18 |
| 11 | 0:55 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.22 | 0.18 |
| 12 | 1:00 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 1.26 | 0.18 |
| 13 | 1:05 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 1.26 | 0.19 |
| 14 | 1:10 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 1.26 | 0.20 |
| 15 | 1:15 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 1.26 | 0.21 |
| 16 | 1:20 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 1.26 | 0.22 |
| 17 | 1:25 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 1.26 | 0.23 |
| 18 | 1:30 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 1.26 | 0.23 |
| 19 | 1:35 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 1.26 | 0.24 |
| 20 | 1:40 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 1.26 | 0.25 |
| 21 | 1:45 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 1.26 | 0.26 |
| 22 | 1:50 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 1.26 | 0.27 |
| 23 | 1:55 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 1.26 | 0.28 |
| 24 | 2:00 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 2.29 | 0.29 |
| 25 | 2:05 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 1.26 | 0.30 |
| 26 | 2:10 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 2.29 | 0.31 |
| 27 | 2:15 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 2.29 | 0.33 |
| 28 | 2:20 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 2.29 | 0.35 |
| 29 | 2:25 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 2.29 | 0.36 |
| 30 | 2:30 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 2.29 | 0.38 |
| 31 | 2:35 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 2.29 | 0.39 |
| 32 | 2:40 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 2.29 | 0.41 |
| 33 | 2:45 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 3.32 | 0.43 |
| 34 | 2:50 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 3.32 | 0.45 |
| 35 | 2:55 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 3.32 | 0.47 |
| 36 | 3:00 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 3.32 | 0.50 |
| 37 | 3:05 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 3.32 | 0.52 |
| 38 | 3:10 | 1.1 | 0.18 | 0.11 | 0.03 | 0.07 | 4.36 | 0.55 |
| 39 | 3:15 | 1.1 | 0.18 | 0.11 | 0.03 | 0.07 | 4.36 | 0.58 |
| 40 | 3:20 | 1.1 | 0.18 | 0.11 | 0.03 | 0.07 | 4.36 | 0.61 |
| 41 | 3:25 | 1.2 | 0.20 | 0.11 | 0.04 | 0.09 | 5.39 | 0.64 |
| 42 | 3:30 | 1.3 | 0.22 | 0.11 | 0.04 | 0.10 | 6.43 | 0.68 |
| 43 | 3:35 | 1.4 | 0.24 | 0.11 | 0.04 | 0.12 | 7.46 | 0.73 |
| 44 | 3:40 | 1.4 | 0.24 | 0.11 | 0.04 | 0.12 | 7.46 | 0.78 |
| 45 | 3:45 | 1.5 | 0.25 | 0.11 | 0.05 | 0.14 | 8.49 | 0.83 |
| 46 | 3:50 | 1.5 | 0.25 | 0.11 | 0.05 | 0.14 | 8.49 | 0.89 |
| 47 | 3:55 | 1.6 | 0.27 | 0.11 | 0.05 | 0.15 | 9.53 | 0.96 |
| 48 | 4:00 | 1.6 | 0.27 | 0.11 | 0.05 | 0.15 | 9.53 | 1.02 |
| 49 | 4:05 | 1.7 | 0.29 | 0.11 | 0.05 | 0.17 | 10.56 | 1.09 |
| 50 | 4:10 | 1.8 | 0.30 | 0.11 | 0.05 | 0.19 | 11.60 | 1.17 |
| 51 | 4:15 | 1.9 | 0.32 | 0.11 | 0.06 | 0.21 | 12.63 | 1.25 |
| 52 | 4:20 | 2.0 | 0.34 | 0.11 | 0.06 | 0.22 | 13.66 | 1.34 |
| 53 | 4:25 | 2.1 | 0.35 | 0.11 | 0.06 | 0.24 | 14.70 | 1.44 |
| 54 | 4:30 | 2.1 | 0.35 | 0.11 | 0.06 | 0.24 | 14.70 | 1.54 |
| 55 | 4:35 | 2.2 | 0.37 | 0.11 | 0.07 | 0.26 | 15.73 | 1.64 |
| 56 | 4:40 | 2.3 | 0.39 | 0.11 | 0.07 | 0.27 | 16.77 | 1.76 |
| 57 | 4:45 | 2.4 | 0.40 | 0.11 | 0.07 | 0.29 | 17.80 | 1.88 |
| 58 | 4:50 | 2.4 | 0.40 | 0.11 | 0.07 | 0.29 | 17.80 | 2.00 |
| 59 | 4:55 | 2.5 | 0.42 | 0.11 | 0.08 | 0.31 | 18.83 | 2.12 |
| 60 | 5:00 | 2.6 | 0.44 | 0.11 | 0.08 | 0.32 | 19.87 | 2.26 |
| 61 | 5:05 | 3.1 | 0.52 | 0.11 | 0.09 | 0.41 | 25.04 | 2.41 |
| 62 | 5:10 | 3.6 | 0.60 | 0.11 | 0.11 | 0.49 | 30.21 | 2.60 |
| 63 | 5:15 | 3.9 | 0.66 | 0.11 | 0.12 | 0.54 | 33.31 | 2.82 |
| 64 | 5:20 | 4.2 | 0.71 | 0.11 | 0.13 | 0.59 | 36.41 | 3.06 |
| 65 | 5:25 | 4.7 | 0.79 | 0.11 | 0.14 | 0.68 | 41.58 | 3.33 |
| 66 | 5:30 | 5.6 | 0.94 | 0.11 | 0.17 | 0.83 | 50.89 | 3.65 |
| 67 | 5:35 | 1.9 | 0.32 | 0.11 | 0.06 | 0.21 | 12.63 | 3.87 |
| 68 | 5:40 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 2.29 | 3.92 |
| 69 | 5:45 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 5.09 | 3.94 |
| 70 | 5:50 | 0.5 | 0.08 | 0.11 | 0.02 | 0.07 | 4.24 | 3.98 |
| 71 | 5:55 | 0.3 | 0.05 | 0.11 | 0.01 | 0.04 | 2.54 | 4.00 |
| 72 | 6:00 | 0.2 | 0.03 | 0.11 | 0.01 | 0.03 | 1.70 | 4.01 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.0 |
| AMC | | 1 |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.06 | 0.11 | 0.01 | 0.05 | 3.03 | 0.01 |
| 2 | 0:10 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 3.63 | 0.03 |
| 3 | 0:15 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 3.63 | 0.06 |
| 4 | 0:20 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 3.63 | 0.08 |
| 5 | 0:25 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 3.63 | 0.11 |
| 6 | 0:30 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 4.24 | 0.14 |
| 7 | 0:35 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 4.24 | 0.16 |
| 8 | 0:40 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 4.24 | 0.19 |
| 9 | 0:45 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 4.24 | 0.22 |
| 10 | 0:50 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 4.24 | 0.25 |
| 11 | 0:55 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 4.24 | 0.28 |
| 12 | 1:00 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 4.85 | 0.31 |
| 13 | 1:05 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 4.85 | 0.35 |
| 14 | 1:10 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 4.85 | 0.38 |
| 15 | 1:15 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 4.85 | 0.41 |
| 16 | 1:20 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 4.85 | 0.45 |
| 17 | 1:25 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 4.85 | 0.48 |
| 18 | 1:30 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 4.85 | 0.51 |
| 19 | 1:35 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 4.85 | 0.55 |
| 20 | 1:40 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 4.85 | 0.58 |
| 21 | 1:45 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 4.85 | 0.61 |
| 22 | 1:50 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 4.85 | 0.65 |
| 23 | 1:55 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 4.85 | 0.68 |
| 24 | 2:00 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 5.45 | 0.72 |
| 25 | 2:05 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 4.85 | 0.75 |
| 26 | 2:10 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 5.45 | 0.79 |
| 27 | 2:15 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 5.45 | 0.82 |
| 28 | 2:20 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 5.45 | 0.86 |
| 29 | 2:25 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 5.45 | 0.90 |
| 30 | 2:30 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 5.45 | 0.94 |
| 31 | 2:35 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 5.45 | 0.97 |
| 32 | 2:40 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 5.45 | 1.01 |
| 33 | 2:45 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.37 | 1.03 |
| 34 | 2:50 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.37 | 1.03 |
| 35 | 2:55 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.37 | 1.04 |
| 36 | 3:00 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.37 | 1.04 |
| 37 | 3:05 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.37 | 1.04 |
| 38 | 3:10 | 1.1 | 0.13 | 0.11 | 0.02 | 0.02 | 1.11 | 1.05 |
| 39 | 3:15 | 1.1 | 0.13 | 0.11 | 0.02 | 0.02 | 1.11 | 1.05 |
| 40 | 3:20 | 1.1 | 0.13 | 0.11 | 0.02 | 0.02 | 1.11 | 1.06 |
| 41 | 3:25 | 1.2 | 0.14 | 0.11 | 0.03 | 0.03 | 1.85 | 1.07 |
| 42 | 3:30 | 1.3 | 0.16 | 0.11 | 0.03 | 0.04 | 2.59 | 1.09 |
| 43 | 3:35 | 1.4 | 0.17 | 0.11 | 0.03 | 0.05 | 3.32 | 1.11 |
| 44 | 3:40 | 1.4 | 0.17 | 0.11 | 0.03 | 0.05 | 3.32 | 1.13 |
| 45 | 3:45 | 1.5 | 0.18 | 0.11 | 0.03 | 0.07 | 4.06 | 1.16 |
| 46 | 3:50 | 1.5 | 0.18 | 0.11 | 0.03 | 0.07 | 4.06 | 1.18 |
| 47 | 3:55 | 1.6 | 0.19 | 0.11 | 0.03 | 0.08 | 4.80 | 1.21 |
| 48 | 4:00 | 1.6 | 0.19 | 0.11 | 0.03 | 0.08 | 4.80 | 1.25 |
| 49 | 4:05 | 1.7 | 0.20 | 0.11 | 0.04 | 0.09 | 5.54 | 1.28 |
| 50 | 4:10 | 1.8 | 0.22 | 0.11 | 0.04 | 0.10 | 6.28 | 1.32 |
| 51 | 4:15 | 1.9 | 0.23 | 0.11 | 0.04 | 0.11 | 7.02 | 1.37 |
| 52 | 4:20 | 2.0 | 0.24 | 0.11 | 0.04 | 0.13 | 7.76 | 1.42 |
| 53 | 4:25 | 2.1 | 0.25 | 0.11 | 0.05 | 0.14 | 8.49 | 1.48 |
| 54 | 4:30 | 2.1 | 0.25 | 0.11 | 0.05 | 0.14 | 8.49 | 1.54 |
| 55 | 4:35 | 2.2 | 0.26 | 0.11 | 0.05 | 0.15 | 9.23 | 1.60 |
| 56 | 4:40 | 2.3 | 0.28 | 0.11 | 0.05 | 0.16 | 9.97 | 1.66 |
| 57 | 4:45 | 2.4 | 0.29 | 0.11 | 0.05 | 0.17 | 10.71 | 1.73 |
| 58 | 4:50 | 2.4 | 0.29 | 0.11 | 0.05 | 0.17 | 10.71 | 1.81 |
| 59 | 4:55 | 2.5 | 0.30 | 0.11 | 0.05 | 0.19 | 11.45 | 1.88 |
| 60 | 5:00 | 2.6 | 0.31 | 0.11 | 0.06 | 0.20 | 12.19 | 1.96 |
| 61 | 5:05 | 3.1 | 0.37 | 0.11 | 0.07 | 0.26 | 15.88 | 2.06 |
| 62 | 5:10 | 3.6 | 0.43 | 0.11 | 0.08 | 0.32 | 19.57 | 2.18 |
| 63 | 5:15 | 3.9 | 0.47 | 0.11 | 0.08 | 0.35 | 21.79 | 2.33 |
| 64 | 5:20 | 4.2 | 0.50 | 0.11 | 0.09 | 0.39 | 24.00 | 2.48 |
| 65 | 5:25 | 4.7 | 0.56 | 0.11 | 0.10 | 0.45 | 27.70 | 2.66 |
| 66 | 5:30 | 5.6 | 0.67 | 0.11 | 0.12 | 0.56 | 34.34 | 2.88 |
| 67 | 5:35 | 1.9 | 0.23 | 0.11 | 0.04 | 0.11 | 7.02 | 3.02 |
| 68 | 5:40 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 5.45 | 3.06 |
| 69 | 5:45 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 3.63 | 3.09 |
| 70 | 5:50 | 0.5 | 0.06 | 0.11 | 0.01 | 0.05 | 3.03 | 3.12 |
| 71 | 5:55 | 0.3 | 0.04 | 0.11 | 0.01 | 0.03 | 1.82 | 3.13 |
| 72 | 6:00 | 0.2 | 0.02 | 0.11 | 0.00 | 0.02 | 1.21 | 3.14 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.9 |
| AMC | | III |
| RI | | 69.0 |
| Fp | (in/hr) | 0.21 |
| At | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.04 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.30 | 0.04 | 0.05 | 0.26 | 15.79 | 0.05 |
| 2 | 0:10 | 1.3 | 0.30 | 0.04 | 0.05 | 0.26 | 15.79 | 0.16 |
| 3 | 0:15 | 1.1 | 0.25 | 0.04 | 0.05 | 0.21 | 12.98 | 0.26 |
| 4 | 0:20 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 18.59 | 0.37 |
| 5 | 0:25 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 18.59 | 0.50 |
| 6 | 0:30 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 22.80 | 0.64 |
| 7 | 0:35 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 18.59 | 0.78 |
| 8 | 0:40 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 22.80 | 0.93 |
| 9 | 0:45 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 22.80 | 1.08 |
| 10 | 0:50 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 18.59 | 1.23 |
| 11 | 0:55 | 1.6 | 0.36 | 0.04 | 0.07 | 0.32 | 20.00 | 1.36 |
| 12 | 1:00 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 22.80 | 1.51 |
| 13 | 1:05 | 2.2 | 0.50 | 0.04 | 0.09 | 0.46 | 28.42 | 1.68 |
| 14 | 1:10 | 2.2 | 0.50 | 0.04 | 0.09 | 0.46 | 28.42 | 1.88 |
| 15 | 1:15 | 2.2 | 0.50 | 0.04 | 0.09 | 0.46 | 28.42 | 2.07 |
| 16 | 1:20 | 2.0 | 0.46 | 0.04 | 0.08 | 0.42 | 25.61 | 2.26 |
| 17 | 1:25 | 2.6 | 0.59 | 0.04 | 0.11 | 0.55 | 34.03 | 2.47 |
| 18 | 1:30 | 2.7 | 0.62 | 0.04 | 0.11 | 0.58 | 35.43 | 2.70 |
| 19 | 1:35 | 2.4 | 0.55 | 0.04 | 0.10 | 0.51 | 31.22 | 2.93 |
| 20 | 1:40 | 2.7 | 0.62 | 0.04 | 0.11 | 0.58 | 35.43 | 3.16 |
| 21 | 1:45 | 3.3 | 0.75 | 0.04 | 0.14 | 0.71 | 43.85 | 3.44 |
| 22 | 1:50 | 3.1 | 0.71 | 0.04 | 0.13 | 0.67 | 41.05 | 3.73 |
| 23 | 1:55 | 2.9 | 0.66 | 0.04 | 0.12 | 0.62 | 38.24 | 4.00 |
| 24 | 2:00 | 3.0 | 0.68 | 0.04 | 0.12 | 0.64 | 39.64 | 4.27 |
| 25 | 2:05 | 3.1 | 0.71 | 0.04 | 0.13 | 0.67 | 41.05 | 4.55 |
| 26 | 2:10 | 4.2 | 0.96 | 0.04 | 0.17 | 0.92 | 56.48 | 4.88 |
| 27 | 2:15 | 5.0 | 1.14 | 0.04 | 0.21 | 1.10 | 67.71 | 5.31 |
| 28 | 2:20 | 3.5 | 0.80 | 0.04 | 0.14 | 0.76 | 46.66 | 5.71 |
| 29 | 2:25 | 6.8 | 1.55 | 0.04 | 0.28 | 1.51 | 92.97 | 6.19 |
| 30 | 2:30 | 7.3 | 1.66 | 0.04 | 0.30 | 1.62 | 99.99 | 6.85 |
| 31 | 2:35 | 8.2 | 1.87 | 0.04 | 0.34 | 1.83 | 112.62 | 7.58 |
| 32 | 2:40 | 5.9 | 1.35 | 0.04 | 0.24 | 1.31 | 80.34 | 8.25 |
| 33 | 2:45 | 2.0 | 0.46 | 0.04 | 0.08 | 0.42 | 25.61 | 8.61 |
| 34 | 2:50 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 22.80 | 8.78 |
| 35 | 2:55 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 22.80 | 8.94 |
| 36 | 3:00 | 0.6 | 0.14 | 0.04 | 0.02 | 0.10 | 5.96 | 9.04 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.3 |
| AMC | | II |
| RI | | 69.0 |
| Fp | (in/hr) | 0.40 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.08 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.20 | 0.08 | 0.04 | 0.13 | 7.80 | 0.03 |
| 2 | 0:10 | 1.3 | 0.20 | 0.08 | 0.04 | 0.13 | 7.80 | 0.08 |
| 3 | 0:15 | 1.1 | 0.17 | 0.08 | 0.03 | 0.10 | 5.88 | 0.13 |
| 4 | 0:20 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 9.72 | 0.18 |
| 5 | 0:25 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 9.72 | 0.25 |
| 6 | 0:30 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 12.61 | 0.33 |
| 7 | 0:35 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 9.72 | 0.40 |
| 8 | 0:40 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 12.61 | 0.48 |
| 9 | 0:45 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 12.61 | 0.57 |
| 10 | 0:50 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 9.72 | 0.64 |
| 11 | 0:55 | 1.6 | 0.25 | 0.08 | 0.04 | 0.17 | 10.69 | 0.71 |
| 12 | 1:00 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 12.61 | 0.79 |
| 13 | 1:05 | 2.2 | 0.34 | 0.08 | 0.06 | 0.27 | 16.45 | 0.89 |
| 14 | 1:10 | 2.2 | 0.34 | 0.08 | 0.06 | 0.27 | 16.45 | 1.01 |
| 15 | 1:15 | 2.2 | 0.34 | 0.08 | 0.06 | 0.27 | 16.45 | 1.12 |
| 16 | 1:20 | 2.0 | 0.31 | 0.08 | 0.06 | 0.24 | 14.53 | 1.23 |
| 17 | 1:25 | 2.6 | 0.41 | 0.08 | 0.07 | 0.33 | 20.29 | 1.35 |
| 18 | 1:30 | 2.7 | 0.42 | 0.08 | 0.08 | 0.35 | 21.25 | 1.49 |
| 19 | 1:35 | 2.4 | 0.37 | 0.08 | 0.07 | 0.30 | 18.37 | 1.63 |
| 20 | 1:40 | 2.7 | 0.42 | 0.08 | 0.08 | 0.35 | 21.25 | 1.76 |
| 21 | 1:45 | 3.3 | 0.51 | 0.08 | 0.09 | 0.44 | 27.01 | 1.93 |
| 22 | 1:50 | 3.1 | 0.48 | 0.08 | 0.09 | 0.41 | 25.09 | 2.11 |
| 23 | 1:55 | 2.9 | 0.45 | 0.08 | 0.08 | 0.38 | 23.17 | 2.27 |
| 24 | 2:00 | 3.0 | 0.47 | 0.08 | 0.08 | 0.39 | 24.13 | 2.44 |
| 25 | 2:05 | 3.1 | 0.48 | 0.08 | 0.09 | 0.41 | 25.09 | 2.61 |
| 26 | 2:10 | 4.2 | 0.66 | 0.08 | 0.12 | 0.58 | 35.65 | 2.82 |
| 27 | 2:15 | 5.0 | 0.78 | 0.08 | 0.14 | 0.70 | 43.33 | 3.09 |
| 28 | 2:20 | 3.5 | 0.55 | 0.08 | 0.10 | 0.47 | 28.93 | 3.34 |
| 29 | 2:25 | 6.8 | 1.06 | 0.08 | 0.19 | 0.98 | 60.61 | 3.64 |
| 30 | 2:30 | 7.3 | 1.14 | 0.08 | 0.20 | 1.06 | 65.42 | 4.08 |
| 31 | 2:35 | 8.2 | 1.28 | 0.08 | 0.23 | 1.20 | 74.06 | 4.56 |
| 32 | 2:40 | 5.9 | 0.92 | 0.08 | 0.17 | 0.84 | 51.97 | 4.99 |
| 33 | 2:45 | 2.0 | 0.31 | 0.08 | 0.06 | 0.24 | 14.53 | 5.22 |
| 34 | 2:50 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 12.61 | 5.32 |
| 35 | 2:55 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 12.61 | 5.40 |
| 36 | 3:00 | 0.6 | 0.09 | 0.08 | 0.02 | 0.02 | 1.08 | 5.45 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.1 |
| AMC | | I |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ar | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.17 | 0.11 | 0.03 | 0.06 | 3.55 | 0.01 |
| 2 | 0:10 | 1.3 | 0.17 | 0.11 | 0.03 | 0.06 | 3.55 | 0.04 |
| 3 | 0:15 | 1.1 | 0.15 | 0.11 | 0.03 | 0.03 | 1.92 | 0.06 |
| 4 | 0:20 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 5.17 | 0.08 |
| 5 | 0:25 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 5.17 | 0.12 |
| 6 | 0:30 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 7.61 | 0.16 |
| 7 | 0:35 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 5.17 | 0.20 |
| 8 | 0:40 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 7.61 | 0.25 |
| 9 | 0:45 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 7.61 | 0.30 |
| 10 | 0:50 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 5.17 | 0.34 |
| 11 | 0:55 | 1.6 | 0.21 | 0.11 | 0.04 | 0.10 | 5.98 | 0.38 |
| 12 | 1:00 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 7.61 | 0.43 |
| 13 | 1:05 | 2.2 | 0.29 | 0.11 | 0.05 | 0.18 | 10.86 | 0.49 |
| 14 | 1:10 | 2.2 | 0.29 | 0.11 | 0.05 | 0.18 | 10.86 | 0.57 |
| 15 | 1:15 | 2.2 | 0.29 | 0.11 | 0.05 | 0.18 | 10.86 | 0.64 |
| 16 | 1:20 | 2.0 | 0.26 | 0.11 | 0.05 | 0.15 | 9.23 | 0.71 |
| 17 | 1:25 | 2.6 | 0.34 | 0.11 | 0.06 | 0.23 | 14.11 | 0.79 |
| 18 | 1:30 | 2.7 | 0.36 | 0.11 | 0.06 | 0.24 | 14.92 | 0.89 |
| 19 | 1:35 | 2.4 | 0.32 | 0.11 | 0.06 | 0.20 | 12.48 | 0.99 |
| 20 | 1:40 | 2.7 | 0.36 | 0.11 | 0.06 | 0.24 | 14.92 | 1.08 |
| 21 | 1:45 | 3.3 | 0.44 | 0.11 | 0.08 | 0.32 | 19.79 | 1.20 |
| 22 | 1:50 | 3.1 | 0.41 | 0.11 | 0.07 | 0.30 | 18.17 | 1.33 |
| 23 | 1:55 | 2.9 | 0.38 | 0.11 | 0.07 | 0.27 | 16.54 | 1.45 |
| 24 | 2:00 | 3.0 | 0.40 | 0.11 | 0.07 | 0.28 | 17.36 | 1.57 |
| 25 | 2:05 | 3.1 | 0.41 | 0.11 | 0.07 | 0.30 | 18.17 | 1.69 |
| 26 | 2:10 | 4.2 | 0.55 | 0.11 | 0.10 | 0.44 | 27.11 | 1.85 |
| 27 | 2:15 | 5.0 | 0.66 | 0.11 | 0.12 | 0.55 | 33.61 | 2.05 |
| 28 | 2:20 | 3.5 | 0.46 | 0.11 | 0.08 | 0.35 | 21.42 | 2.24 |
| 29 | 2:25 | 6.8 | 0.90 | 0.11 | 0.16 | 0.78 | 48.23 | 2.48 |
| 30 | 2:30 | 7.3 | 0.96 | 0.11 | 0.17 | 0.85 | 52.29 | 2.83 |
| 31 | 2:35 | 8.2 | 1.08 | 0.11 | 0.19 | 0.97 | 59.61 | 3.22 |
| 32 | 2:40 | 5.9 | 0.78 | 0.11 | 0.14 | 0.66 | 40.92 | 3.56 |
| 33 | 2:45 | 2.0 | 0.26 | 0.11 | 0.05 | 0.15 | 9.23 | 3.73 |
| 34 | 2:50 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 7.61 | 3.79 |
| 35 | 2:55 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 7.61 | 3.84 |
| 36 | 3:00 | 0.6 | 0.08 | 0.11 | 0.01 | 0.06 | 4.00 | 3.88 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 61.6 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 0.8 |
| AMC | | 1 |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.12 | 0.11 | 0.02 | 0.01 | 0.66 | 0.00 |
| 2 | 0:10 | 1.3 | 0.12 | 0.11 | 0.02 | 0.01 | 0.66 | 0.01 |
| 3 | 0:15 | 1.1 | 0.11 | 0.11 | 0.02 | 0.09 | 5.33 | 0.03 |
| 4 | 0:20 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 1.85 | 0.05 |
| 5 | 0:25 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 1.85 | 0.06 |
| 6 | 0:30 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 3.62 | 0.08 |
| 7 | 0:35 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 1.85 | 0.10 |
| 8 | 0:40 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 3.62 | 0.12 |
| 9 | 0:45 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 3.62 | 0.15 |
| 10 | 0:50 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 1.85 | 0.17 |
| 11 | 0:55 | 1.6 | 0.15 | 0.11 | 0.03 | 0.04 | 2.44 | 0.18 |
| 12 | 1:00 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 3.62 | 0.20 |
| 13 | 1:05 | 2.2 | 0.21 | 0.11 | 0.04 | 0.10 | 5.98 | 0.23 |
| 14 | 1:10 | 2.2 | 0.21 | 0.11 | 0.04 | 0.10 | 5.98 | 0.28 |
| 15 | 1:15 | 2.2 | 0.21 | 0.11 | 0.04 | 0.10 | 5.98 | 0.32 |
| 16 | 1:20 | 2.0 | 0.19 | 0.11 | 0.03 | 0.08 | 4.80 | 0.35 |
| 17 | 1:25 | 2.6 | 0.25 | 0.11 | 0.04 | 0.14 | 8.35 | 0.40 |
| 18 | 1:30 | 2.7 | 0.26 | 0.11 | 0.05 | 0.15 | 8.94 | 0.46 |
| 19 | 1:35 | 2.4 | 0.23 | 0.11 | 0.04 | 0.12 | 7.16 | 0.51 |
| 20 | 1:40 | 2.7 | 0.26 | 0.11 | 0.05 | 0.15 | 8.94 | 0.57 |
| 21 | 1:45 | 3.3 | 0.32 | 0.11 | 0.06 | 0.20 | 12.48 | 0.64 |
| 22 | 1:50 | 3.1 | 0.30 | 0.11 | 0.05 | 0.18 | 11.30 | 0.72 |
| 23 | 1:55 | 2.9 | 0.28 | 0.11 | 0.05 | 0.16 | 10.12 | 0.80 |
| 24 | 2:00 | 3.0 | 0.29 | 0.11 | 0.05 | 0.17 | 10.71 | 0.87 |
| 25 | 2:05 | 3.1 | 0.30 | 0.11 | 0.05 | 0.18 | 11.30 | 0.95 |
| 26 | 2:10 | 4.2 | 0.40 | 0.11 | 0.07 | 0.29 | 17.80 | 1.05 |
| 27 | 2:15 | 5.0 | 0.48 | 0.11 | 0.09 | 0.37 | 22.53 | 1.19 |
| 28 | 2:20 | 3.5 | 0.34 | 0.11 | 0.06 | 0.22 | 13.66 | 1.31 |
| 29 | 2:25 | 6.8 | 0.65 | 0.11 | 0.12 | 0.54 | 33.16 | 1.47 |
| 30 | 2:30 | 7.3 | 0.70 | 0.11 | 0.13 | 0.59 | 36.12 | 1.71 |
| 31 | 2:35 | 8.2 | 0.79 | 0.11 | 0.14 | 0.67 | 41.44 | 1.98 |
| 32 | 2:40 | 5.9 | 0.57 | 0.11 | 0.10 | 0.45 | 27.85 | 2.22 |
| 33 | 2:45 | 2.0 | 0.19 | 0.11 | 0.03 | 0.08 | 4.80 | 2.33 |
| 34 | 2:50 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 3.62 | 2.36 |
| 35 | 2:55 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 3.62 | 2.38 |
| 36 | 3:00 | 0.6 | 0.06 | 0.11 | 0.01 | 0.05 | 2.91 | 2.40 |

BUILDING 2

MORENO VALLEY LOGISTICS CENTER, INDIAN STREET, MORENO VALLEY
BASIN #2

| Elevation | Depth (feet) | Area (s.f.) | Volume (c.f.) | Σ Volume (c.f.) | Σ Volume (ac-ft) |
|---|---|---|---|---|---|
| 1479.95 | 0.00 | 12490 | | | |
| | | | 4257 | 4257 | 0.098 |
| 1480.28 | 0.33 | 13310 | | | |
| | | | 4671 | 8928 | 0.205 |
| 1480.62 | 0.67 | 14165 | | | |
| | | | 2884 | 11812 | 0.271 |
| 1480.82 | 0.87 | 14675 | | | |
| | | | 1182 | 12994 | 0.298 |
| 1480.90 | 0.95 | 14880 | | | |
| | | | 747 | 13741 | 0.315 |
| 1480.95 | 1.00 | 15010 | | | |
| | | | 3725 | 17466 | 0.401 |
| 1481.15 | 1.20 | 22235 | | | |
| | | | 2476 | 19942 | 0.458 |
| 1481.28 | 1.33 | 15865 | | | |
| | | | 12105 | 32047 | 0.736 |
| 1482.00 | 2.05 | 17760 | | | |
| | | | 16258 | 48305 | 1.109 |
| 1482.86 | 2.91 | 20050 | | | |

WATER QUALITY VOLUME

ADDITIONAL STORAGE

# Hydrologic Summary

BUILDING 2
EXIST. CONDITION

## Watershed Characteristics

| | | |
|---|---|---|
| Area | (acres) | 6.95 |
| Soil | | C |
| Cover | | open space |

## Hydrograph Parameters

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Rainfall - 24-hr | (inches) | 4.0 | 2.6 | 2.2 | 1.6 | |
| Rainfall - 6-hr | (inches) | 2.5 | 1.7 | 1.4 | 1.0 | |
| Rainfall - 3-hr | (inches) | 1.9 | 1.3 | 1.1 | 0.8 | |
| AMC | | III | II | I | I | |
| RI | | 77 | 77 | 77 | 77 | Plate E-6.1 |
| Fp | (in/hr) | 0.14 | 0.28 | 0.48 | 0.48 | Plate E-6.2 |
| Ai | (decimal) | 0.00 | 0.00 | 0.00 | 0.00 | Plate E-6.3 |
| Low Loss | (decimal) | 0.90 | 0.90 | 0.90 | 0.90 | 0.9-(0.8Ai) |
| F | (in/hr) | 0.14 | 0.28 | 0.48 | 0.48 | Fp(1-0.9Ai) |
| Fm | (in/hr) | 0.07 | 0.14 | 0.24 | 0.24 | F/2 |
| C | | 0.00 | 0.00 | 0.00 | 0.00 | (F-Fm)/54 |

## Hydrograph Results

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Peak Flow | (cfs) | 2.94 | 0.78 | 0.21 | 0.15 | 24-hour |
| Peak Flow | (cfs) | 10.70 | 5.99 | 3.20 | 1.33 | 6-hour |
| Peak Flow | (cfs) | 12.02 | 6.94 | 4.19 | 2.14 | 3-hour |
| Total Runoff | (ac-ft) | 1.07 | 0.18 | 0.13 | 0.09 | 24-hour |
| Total Runoff | (ac-ft) | 0.96 | 0.31 | 0.12 | 0.06 | 6-hour |
| Total Runoff | (ac-ft) | 0.85 | 0.30 | 0.14 | 0.07 | 3-hour |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 4.0 |
| AMC | | III |
| RI | | 77.0 |
| Fp | (in/hr) | 0.14 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.14 |
| Fm | (in/hr) | 0.07 |
| C | | 0.00 |

| Period | Time (hh.mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.03 | 0.25 | 0.03 | 0.00 | 0.02 | 0.00 |
| 2 | 0:30 | 0.3 | 0.05 | 0.24 | 0.04 | 0.00 | 0.03 | 0.00 |
| 3 | 0:45 | 0.3 | 0.05 | 0.24 | 0.04 | 0.00 | 0.03 | 0.00 |
| 4 | 1:00 | 0.4 | 0.06 | 0.24 | 0.06 | 0.01 | 0.04 | 0.00 |
| 5 | 1:15 | 0.3 | 0.05 | 0.24 | 0.04 | 0.00 | 0.03 | 0.00 |
| 6 | 1:30 | 0.3 | 0.05 | 0.23 | 0.04 | 0.00 | 0.03 | 0.00 |
| 7 | 1:45 | 0.3 | 0.05 | 0.23 | 0.04 | 0.00 | 0.03 | 0.00 |
| 8 | 2:00 | 0.4 | 0.06 | 0.23 | 0.06 | 0.01 | 0.04 | 0.01 |
| 9 | 2:15 | 0.4 | 0.06 | 0.22 | 0.06 | 0.01 | 0.04 | 0.01 |
| 10 | 2:30 | 0.4 | 0.06 | 0.22 | 0.06 | 0.01 | 0.04 | 0.01 |
| 11 | 2:45 | 0.5 | 0.08 | 0.22 | 0.07 | 0.01 | 0.06 | 0.01 |
| 12 | 3:00 | 0.5 | 0.08 | 0.22 | 0.07 | 0.01 | 0.06 | 0.01 |
| 13 | 3:15 | 0.5 | 0.08 | 0.21 | 0.07 | 0.01 | 0.06 | 0.01 |
| 14 | 3:30 | 0.5 | 0.08 | 0.21 | 0.07 | 0.01 | 0.06 | 0.01 |
| 15 | 3:45 | 0.5 | 0.08 | 0.21 | 0.07 | 0.01 | 0.06 | 0.01 |
| 16 | 4:00 | 0.6 | 0.10 | 0.21 | 0.09 | 0.01 | 0.07 | 0.01 |
| 17 | 4:15 | 0.6 | 0.10 | 0.20 | 0.09 | 0.01 | 0.07 | 0.02 |
| 18 | 4:30 | 0.7 | 0.11 | 0.20 | 0.10 | 0.01 | 0.08 | 0.02 |
| 19 | 4:45 | 0.7 | 0.11 | 0.20 | 0.10 | 0.01 | 0.08 | 0.02 |
| 20 | 5:00 | 0.8 | 0.13 | 0.20 | 0.12 | 0.01 | 0.09 | 0.02 |
| 21 | 5:15 | 0.6 | 0.10 | 0.19 | 0.09 | 0.01 | 0.07 | 0.02 |
| 22 | 5:30 | 0.7 | 0.11 | 0.19 | 0.10 | 0.01 | 0.08 | 0.02 |
| 23 | 5:45 | 0.8 | 0.13 | 0.19 | 0.12 | 0.01 | 0.09 | 0.03 |
| 24 | 6:00 | 0.8 | 0.13 | 0.19 | 0.12 | 0.01 | 0.09 | 0.03 |
| 25 | 6:15 | 0.9 | 0.14 | 0.18 | 0.13 | 0.01 | 0.10 | 0.03 |
| 26 | 6:30 | 0.9 | 0.14 | 0.18 | 0.13 | 0.01 | 0.10 | 0.03 |
| 27 | 6:45 | 1.0 | 0.16 | 0.18 | 0.14 | 0.02 | 0.11 | 0.03 |
| 28 | 7:00 | 1.0 | 0.16 | 0.18 | 0.14 | 0.02 | 0.11 | 0.04 |
| 29 | 7:15 | 1.0 | 0.16 | 0.17 | 0.14 | 0.02 | 0.11 | 0.04 |
| 30 | 7:30 | 1.1 | 0.18 | 0.17 | 0.16 | 0.00 | 0.03 | 0.04 |
| 31 | 7:45 | 1.2 | 0.19 | 0.17 | 0.17 | 0.02 | 0.16 | 0.04 |
| 32 | 8:00 | 1.3 | 0.21 | 0.17 | 0.19 | 0.04 | 0.29 | 0.05 |
| 33 | 8:15 | 1.5 | 0.24 | 0.16 | 0.22 | 0.08 | 0.53 | 0.05 |
| 34 | 8:30 | 1.5 | 0.24 | 0.16 | 0.22 | 0.08 | 0.54 | 0.07 |
| 35 | 8:45 | 1.6 | 0.26 | 0.16 | 0.23 | 0.10 | 0.67 | 0.08 |
| 36 | 9:00 | 1.7 | 0.27 | 0.16 | 0.24 | 0.11 | 0.80 | 0.09 |
| 37 | 9:15 | 1.9 | 0.30 | 0.16 | 0.27 | 0.15 | 1.03 | 0.11 |
| 38 | 9:30 | 2.0 | 0.32 | 0.15 | 0.29 | 0.17 | 1.16 | 0.13 |
| 39 | 9:45 | 2.1 | 0.34 | 0.15 | 0.30 | 0.19 | 1.29 | 0.16 |
| 40 | 10:00 | 2.2 | 0.35 | 0.15 | 0.32 | 0.20 | 1.41 | 0.19 |
| 41 | 10:15 | 1.5 | 0.24 | 0.15 | 0.22 | 0.09 | 0.65 | 0.21 |
| 42 | 10:30 | 1.5 | 0.24 | 0.14 | 0.22 | 0.10 | 0.67 | 0.22 |
| 43 | 10:45 | 2.0 | 0.32 | 0.14 | 0.29 | 0.18 | 1.24 | 0.24 |
| 44 | 11:00 | 2.0 | 0.32 | 0.14 | 0.29 | 0.18 | 1.25 | 0.27 |
| 45 | 11:15 | 1.9 | 0.30 | 0.14 | 0.27 | 0.17 | 1.15 | 0.29 |
| 46 | 11:30 | 1.9 | 0.30 | 0.14 | 0.27 | 0.17 | 1.17 | 0.32 |
| 47 | 11:45 | 1.7 | 0.27 | 0.13 | 0.24 | 0.14 | 0.96 | 0.34 |
| 48 | 12:00 | 1.8 | 0.29 | 0.13 | 0.26 | 0.16 | 1.08 | 0.36 |
| 49 | 12:15 | 2.5 | 0.40 | 0.13 | 0.36 | 0.27 | 1.88 | 0.39 |
| 50 | 12:30 | 2.6 | 0.42 | 0.13 | 0.37 | 0.29 | 2.00 | 0.43 |
| 51 | 12:45 | 2.8 | 0.45 | 0.13 | 0.40 | 0.32 | 2.24 | 0.47 |
| 52 | 13:00 | 2.9 | 0.46 | 0.12 | 0.42 | 0.34 | 2.36 | 0.52 |
| 53 | 13:15 | 3.4 | 0.54 | 0.12 | 0.49 | 0.42 | 2.93 | 0.58 |
| 54 | 13:30 | 3.4 | 0.54 | 0.12 | 0.49 | 0.42 | 2.94 | 0.64 |
| 55 | 13:45 | 2.3 | 0.37 | 0.12 | 0.33 | 0.25 | 1.73 | 0.69 |
| 56 | 14:00 | 2.3 | 0.37 | 0.12 | 0.33 | 0.25 | 1.75 | 0.72 |
| 57 | 14:15 | 2.7 | 0.43 | 0.12 | 0.39 | 0.32 | 2.20 | 0.76 |
| 58 | 14:30 | 2.6 | 0.42 | 0.11 | 0.37 | 0.30 | 2.10 | 0.81 |
| 59 | 14:45 | 2.6 | 0.42 | 0.11 | 0.37 | 0.30 | 2.12 | 0.85 |
| 60 | 15:00 | 2.5 | 0.40 | 0.11 | 0.36 | 0.29 | 2.02 | 0.89 |
| 61 | 15:15 | 2.4 | 0.38 | 0.11 | 0.35 | 0.28 | 1.92 | 0.93 |
| 62 | 15:30 | 2.3 | 0.37 | 0.11 | 0.33 | 0.26 | 1.82 | 0.97 |
| 63 | 15:45 | 1.9 | 0.30 | 0.10 | 0.27 | 0.20 | 1.38 | 1.01 |
| 64 | 16:00 | 1.9 | 0.30 | 0.10 | 0.27 | 0.20 | 1.39 | 1.03 |
| 65 | 16:15 | 0.4 | 0.06 | 0.10 | 0.06 | 0.01 | 0.04 | 1.05 |
| 66 | 16:30 | 0.4 | 0.06 | 0.10 | 0.06 | 0.01 | 0.04 | 1.05 |
| 67 | 16:45 | 0.3 | 0.05 | 0.10 | 0.04 | 0.00 | 0.03 | 1.05 |
| 68 | 17:00 | 0.3 | 0.05 | 0.10 | 0.04 | 0.00 | 0.03 | 1.05 |
| 69 | 17:15 | 0.5 | 0.08 | 0.10 | 0.07 | 0.01 | 0.06 | 1.05 |
| 70 | 17:30 | 0.5 | 0.08 | 0.09 | 0.07 | 0.01 | 0.06 | 1.05 |
| 71 | 17:45 | 0.5 | 0.08 | 0.09 | 0.07 | 0.01 | 0.06 | 1.05 |
| 72 | 18:00 | 0.4 | 0.06 | 0.09 | 0.06 | 0.01 | 0.04 | 1.06 |
| 73 | 18:15 | 0.4 | 0.06 | 0.09 | 0.06 | 0.01 | 0.04 | 1.06 |
| 74 | 18:30 | 0.4 | 0.06 | 0.09 | 0.06 | 0.01 | 0.04 | 1.06 |
| 75 | 18:45 | 0.3 | 0.05 | 0.09 | 0.04 | 0.00 | 0.03 | 1.06 |
| 76 | 19:00 | 0.2 | 0.03 | 0.09 | 0.03 | 0.00 | 0.02 | 1.06 |
| 77 | 19:15 | 0.3 | 0.05 | 0.09 | 0.04 | 0.00 | 0.03 | 1.06 |
| 78 | 19:30 | 0.4 | 0.06 | 0.08 | 0.06 | 0.01 | 0.04 | 1.06 |
| 79 | 19:45 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.03 | 1.06 |
| 80 | 20:00 | 0.2 | 0.03 | 0.08 | 0.03 | 0.00 | 0.02 | 1.06 |
| 81 | 20:15 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.03 | 1.06 |
| 82 | 20:30 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.03 | 1.06 |
| 83 | 20:45 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.03 | 1.06 |
| 84 | 21:00 | 0.2 | 0.03 | 0.08 | 0.03 | 0.00 | 0.02 | 1.06 |
| 85 | 21:15 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.03 | 1.06 |
| 86 | 21:30 | 0.2 | 0.03 | 0.08 | 0.03 | 0.00 | 0.02 | 1.07 |
| 87 | 21:45 | 0.3 | 0.05 | 0.07 | 0.04 | 0.00 | 0.03 | 1.07 |
| 88 | 22:00 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 1.07 |
| 89 | 22:15 | 0.3 | 0.05 | 0.07 | 0.04 | 0.00 | 0.03 | 1.07 |
| 90 | 22:30 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 1.07 |
| 91 | 22:45 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 1.07 |
| 92 | 23:00 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 1.07 |
| 93 | 23:15 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 1.07 |
| 94 | 23:30 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 1.07 |
| 95 | 23:45 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 1.07 |
| 96 | 0:00 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 1.07 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 2.6 |
| AMC | | II |
| RI | | 77.0 |
| Fp | (in/hr) | 0.28 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.28 |
| Fm | (in/hr) | 0.14 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.49 | 0.02 | 0.00 | 0.01 | 0.00 |
| 2 | 0:30 | 0.3 | 0.03 | 0.49 | 0.03 | 0.00 | 0.02 | 0.00 |
| 3 | 0:45 | 0.3 | 0.03 | 0.48 | 0.03 | 0.00 | 0.02 | 0.00 |
| 4 | 1:00 | 0.4 | 0.04 | 0.48 | 0.04 | 0.00 | 0.03 | 0.00 |
| 5 | 1:15 | 0.3 | 0.03 | 0.47 | 0.03 | 0.00 | 0.02 | 0.00 |
| 6 | 1:30 | 0.3 | 0.03 | 0.47 | 0.03 | 0.00 | 0.02 | 0.00 |
| 7 | 1:45 | 0.3 | 0.03 | 0.46 | 0.03 | 0.00 | 0.02 | 0.00 |
| 8 | 2:00 | 0.4 | 0.04 | 0.45 | 0.04 | 0.00 | 0.03 | 0.00 |
| 9 | 2:15 | 0.4 | 0.04 | 0.45 | 0.04 | 0.00 | 0.03 | 0.00 |
| 10 | 2:30 | 0.4 | 0.04 | 0.44 | 0.04 | 0.00 | 0.03 | 0.00 |
| 11 | 2:45 | 0.5 | 0.05 | 0.44 | 0.05 | 0.01 | 0.04 | 0.01 |
| 12 | 3:00 | 0.5 | 0.05 | 0.43 | 0.05 | 0.01 | 0.04 | 0.01 |
| 13 | 3:15 | 0.5 | 0.05 | 0.43 | 0.05 | 0.01 | 0.04 | 0.01 |
| 14 | 3:30 | 0.5 | 0.05 | 0.42 | 0.05 | 0.01 | 0.04 | 0.01 |
| 15 | 3:45 | 0.5 | 0.05 | 0.42 | 0.05 | 0.01 | 0.04 | 0.01 |
| 16 | 4:00 | 0.6 | 0.06 | 0.41 | 0.06 | 0.01 | 0.04 | 0.01 |
| 17 | 4:15 | 0.6 | 0.06 | 0.41 | 0.06 | 0.01 | 0.04 | 0.01 |
| 18 | 4:30 | 0.7 | 0.07 | 0.40 | 0.07 | 0.01 | 0.05 | 0.01 |
| 19 | 4:45 | 0.7 | 0.07 | 0.40 | 0.07 | 0.01 | 0.05 | 0.01 |
| 20 | 5:00 | 0.8 | 0.08 | 0.39 | 0.07 | 0.01 | 0.06 | 0.01 |
| 21 | 5:15 | 0.6 | 0.06 | 0.39 | 0.06 | 0.01 | 0.04 | 0.01 |
| 22 | 5:30 | 0.7 | 0.07 | 0.38 | 0.07 | 0.01 | 0.05 | 0.02 |
| 23 | 5:45 | 0.8 | 0.08 | 0.38 | 0.07 | 0.01 | 0.06 | 0.02 |
| 24 | 6:00 | 0.8 | 0.08 | 0.37 | 0.07 | 0.01 | 0.06 | 0.02 |
| 25 | 6:15 | 0.9 | 0.09 | 0.37 | 0.08 | 0.01 | 0.07 | 0.02 |
| 26 | 6:30 | 0.9 | 0.09 | 0.36 | 0.08 | 0.01 | 0.07 | 0.02 |
| 27 | 6:45 | 1.0 | 0.10 | 0.36 | 0.09 | 0.01 | 0.07 | 0.02 |
| 28 | 7:00 | 1.0 | 0.10 | 0.35 | 0.09 | 0.01 | 0.07 | 0.02 |
| 29 | 7:15 | 1.0 | 0.10 | 0.35 | 0.09 | 0.01 | 0.07 | 0.02 |
| 30 | 7:30 | 1.1 | 0.11 | 0.34 | 0.10 | 0.01 | 0.08 | 0.03 |
| 31 | 7:45 | 1.2 | 0.12 | 0.34 | 0.11 | 0.01 | 0.09 | 0.03 |
| 32 | 8:00 | 1.3 | 0.14 | 0.33 | 0.12 | 0.01 | 0.09 | 0.03 |
| 33 | 8:15 | 1.5 | 0.16 | 0.33 | 0.14 | 0.02 | 0.11 | 0.03 |
| 34 | 8:30 | 1.5 | 0.16 | 0.32 | 0.14 | 0.02 | 0.11 | 0.03 |
| 35 | 8:45 | 1.6 | 0.17 | 0.32 | 0.15 | 0.02 | 0.12 | 0.04 |
| 36 | 9:00 | 1.7 | 0.18 | 0.31 | 0.16 | 0.02 | 0.12 | 0.04 |
| 37 | 9:15 | 1.9 | 0.20 | 0.31 | 0.18 | 0.02 | 0.14 | 0.04 |
| 38 | 9:30 | 2.0 | 0.21 | 0.31 | 0.19 | 0.02 | 0.14 | 0.04 |
| 39 | 9:45 | 2.1 | 0.22 | 0.30 | 0.20 | 0.02 | 0.15 | 0.05 |
| 40 | 10:00 | 2.2 | 0.23 | 0.30 | 0.21 | 0.02 | 0.16 | 0.05 |
| 41 | 10:15 | 1.5 | 0.16 | 0.29 | 0.14 | 0.02 | 0.11 | 0.05 |
| 42 | 10:30 | 1.5 | 0.16 | 0.29 | 0.14 | 0.02 | 0.11 | 0.06 |
| 43 | 10:45 | 2.0 | 0.21 | 0.28 | 0.19 | 0.02 | 0.14 | 0.06 |
| 44 | 11:00 | 2.0 | 0.21 | 0.28 | 0.19 | 0.02 | 0.14 | 0.06 |
| 45 | 11:15 | 1.9 | 0.20 | 0.28 | 0.18 | 0.02 | 0.14 | 0.06 |
| 46 | 11:30 | 1.9 | 0.20 | 0.27 | 0.18 | 0.02 | 0.14 | 0.07 |
| 47 | 11:45 | 1.7 | 0.18 | 0.27 | 0.16 | 0.02 | 0.12 | 0.07 |
| 48 | 12:00 | 1.8 | 0.19 | 0.26 | 0.17 | 0.02 | 0.13 | 0.07 |
| 49 | 12:15 | 2.5 | 0.26 | 0.26 | 0.23 | 0.03 | 0.18 | 0.08 |
| 50 | 12:30 | 2.6 | 0.27 | 0.26 | 0.24 | 0.01 | 0.10 | 0.08 |
| 51 | 12:45 | 2.8 | 0.29 | 0.25 | 0.26 | 0.04 | 0.27 | 0.08 |
| 52 | 13:00 | 2.9 | 0.30 | 0.25 | 0.27 | 0.05 | 0.37 | 0.09 |
| 53 | 13:15 | 3.4 | 0.35 | 0.24 | 0.32 | 0.11 | 0.76 | 0.10 |
| 54 | 13:30 | 3.4 | 0.35 | 0.24 | 0.32 | 0.11 | 0.78 | 0.12 |
| 55 | 13:45 | 2.3 | 0.24 | 0.24 | 0.22 | 0.00 | 0.01 | 0.12 |
| 56 | 14:00 | 2.3 | 0.24 | 0.23 | 0.22 | 0.01 | 0.04 | 0.13 |
| 57 | 14:15 | 2.7 | 0.28 | 0.23 | 0.25 | 0.05 | 0.35 | 0.13 |
| 58 | 14:30 | 2.6 | 0.27 | 0.23 | 0.24 | 0.04 | 0.30 | 0.14 |
| 59 | 14:45 | 2.6 | 0.27 | 0.22 | 0.24 | 0.05 | 0.33 | 0.14 |
| 60 | 15:00 | 2.5 | 0.26 | 0.22 | 0.23 | 0.04 | 0.28 | 0.15 |
| 61 | 15:15 | 2.4 | 0.25 | 0.22 | 0.22 | 0.03 | 0.23 | 0.15 |
| 62 | 15:30 | 2.3 | 0.24 | 0.21 | 0.22 | 0.03 | 0.18 | 0.16 |
| 63 | 15:45 | 1.9 | 0.20 | 0.21 | 0.18 | 0.02 | 0.14 | 0.16 |
| 64 | 16:00 | 1.9 | 0.20 | 0.21 | 0.18 | 0.02 | 0.14 | 0.16 |
| 65 | 16:15 | 0.4 | 0.04 | 0.20 | 0.04 | 0.00 | 0.03 | 0.17 |
| 66 | 16:30 | 0.4 | 0.04 | 0.20 | 0.04 | 0.00 | 0.03 | 0.17 |
| 67 | 16:45 | 0.3 | 0.03 | 0.20 | 0.03 | 0.00 | 0.02 | 0.17 |
| 68 | 17:00 | 0.3 | 0.03 | 0.19 | 0.03 | 0.00 | 0.02 | 0.17 |
| 69 | 17:15 | 0.5 | 0.05 | 0.19 | 0.05 | 0.01 | 0.04 | 0.17 |
| 70 | 17:30 | 0.5 | 0.05 | 0.19 | 0.05 | 0.01 | 0.04 | 0.17 |
| 71 | 17:45 | 0.5 | 0.05 | 0.19 | 0.05 | 0.01 | 0.04 | 0.17 |
| 72 | 18:00 | 0.4 | 0.04 | 0.18 | 0.04 | 0.00 | 0.03 | 0.17 |
| 73 | 18:15 | 0.4 | 0.04 | 0.18 | 0.04 | 0.00 | 0.03 | 0.17 |
| 74 | 18:30 | 0.4 | 0.04 | 0.18 | 0.04 | 0.00 | 0.03 | 0.17 |
| 75 | 18:45 | 0.3 | 0.03 | 0.18 | 0.03 | 0.00 | 0.02 | 0.17 |
| 76 | 19:00 | 0.2 | 0.02 | 0.17 | 0.02 | 0.00 | 0.01 | 0.17 |
| 77 | 19:15 | 0.3 | 0.03 | 0.17 | 0.03 | 0.00 | 0.02 | 0.17 |
| 78 | 19:30 | 0.4 | 0.04 | 0.17 | 0.04 | 0.00 | 0.03 | 0.17 |
| 79 | 19:45 | 0.3 | 0.03 | 0.17 | 0.03 | 0.00 | 0.02 | 0.17 |
| 80 | 20:00 | 0.2 | 0.02 | 0.16 | 0.02 | 0.00 | 0.01 | 0.17 |
| 81 | 20:15 | 0.3 | 0.03 | 0.16 | 0.03 | 0.00 | 0.02 | 0.17 |
| 82 | 20:30 | 0.3 | 0.03 | 0.16 | 0.03 | 0.00 | 0.02 | 0.18 |
| 83 | 20:45 | 0.3 | 0.03 | 0.16 | 0.03 | 0.00 | 0.02 | 0.18 |
| 84 | 21:00 | 0.2 | 0.02 | 0.16 | 0.02 | 0.00 | 0.01 | 0.18 |
| 85 | 21:15 | 0.3 | 0.03 | 0.15 | 0.03 | 0.00 | 0.02 | 0.18 |
| 86 | 21:30 | 0.2 | 0.02 | 0.15 | 0.02 | 0.00 | 0.01 | 0.18 |
| 87 | 21:45 | 0.3 | 0.03 | 0.15 | 0.03 | 0.00 | 0.02 | 0.18 |
| 88 | 22:00 | 0.2 | 0.02 | 0.15 | 0.02 | 0.00 | 0.01 | 0.18 |
| 89 | 22:15 | 0.3 | 0.03 | 0.15 | 0.03 | 0.00 | 0.02 | 0.18 |
| 90 | 22:30 | 0.2 | 0.02 | 0.15 | 0.02 | 0.00 | 0.01 | 0.18 |
| 91 | 22:45 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.01 | 0.18 |
| 92 | 23:00 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.01 | 0.18 |
| 93 | 23:15 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.01 | 0.18 |
| 94 | 23:30 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.01 | 0.18 |
| 95 | 23:45 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.01 | 0.18 |
| 96 | 0:00 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.01 | 0.18 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 2.2 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |
| Fm | (in/hr) | 0.24 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.85 | 0.02 | 0.00 | 0.01 | 0.00 |
| 2 | 0:30 | 0.3 | 0.03 | 0.84 | 0.02 | 0.00 | 0.02 | 0.00 |
| 3 | 0:45 | 0.3 | 0.03 | 0.83 | 0.02 | 0.00 | 0.02 | 0.00 |
| 4 | 1:00 | 0.4 | 0.04 | 0.82 | 0.03 | 0.00 | 0.02 | 0.00 |
| 5 | 1:15 | 0.3 | 0.03 | 0.81 | 0.02 | 0.00 | 0.02 | 0.00 |
| 6 | 1:30 | 0.3 | 0.03 | 0.80 | 0.02 | 0.00 | 0.02 | 0.00 |
| 7 | 1:45 | 0.3 | 0.03 | 0.79 | 0.02 | 0.00 | 0.02 | 0.00 |
| 8 | 2:00 | 0.4 | 0.04 | 0.78 | 0.03 | 0.00 | 0.02 | 0.00 |
| 9 | 2:15 | 0.4 | 0.04 | 0.77 | 0.03 | 0.00 | 0.02 | 0.00 |
| 10 | 2:30 | 0.4 | 0.04 | 0.76 | 0.03 | 0.00 | 0.02 | 0.00 |
| 11 | 2:45 | 0.5 | 0.04 | 0.75 | 0.04 | 0.00 | 0.03 | 0.00 |
| 12 | 3:00 | 0.5 | 0.04 | 0.74 | 0.04 | 0.00 | 0.03 | 0.01 |
| 13 | 3:15 | 0.5 | 0.04 | 0.73 | 0.04 | 0.00 | 0.03 | 0.01 |
| 14 | 3:30 | 0.5 | 0.04 | 0.72 | 0.04 | 0.00 | 0.03 | 0.01 |
| 15 | 3:45 | 0.5 | 0.04 | 0.72 | 0.04 | 0.00 | 0.03 | 0.01 |
| 16 | 4:00 | 0.6 | 0.05 | 0.71 | 0.05 | 0.01 | 0.04 | 0.01 |
| 17 | 4:15 | 0.6 | 0.05 | 0.70 | 0.05 | 0.01 | 0.04 | 0.01 |
| 18 | 4:30 | 0.7 | 0.06 | 0.69 | 0.06 | 0.01 | 0.04 | 0.01 |
| 19 | 4:45 | 0.7 | 0.06 | 0.68 | 0.06 | 0.01 | 0.04 | 0.01 |
| 20 | 5:00 | 0.8 | 0.07 | 0.67 | 0.06 | 0.01 | 0.05 | 0.01 |
| 21 | 5:15 | 0.6 | 0.05 | 0.66 | 0.05 | 0.01 | 0.04 | 0.01 |
| 22 | 5:30 | 0.7 | 0.06 | 0.65 | 0.06 | 0.01 | 0.04 | 0.01 |
| 23 | 5:45 | 0.8 | 0.07 | 0.64 | 0.06 | 0.01 | 0.05 | 0.01 |
| 24 | 6:00 | 0.8 | 0.07 | 0.64 | 0.06 | 0.01 | 0.05 | 0.01 |
| 25 | 6:15 | 0.9 | 0.08 | 0.63 | 0.07 | 0.01 | 0.06 | 0.02 |
| 26 | 6:30 | 0.9 | 0.08 | 0.62 | 0.07 | 0.01 | 0.06 | 0.02 |
| 27 | 6:45 | 1.0 | 0.09 | 0.61 | 0.08 | 0.01 | 0.06 | 0.02 |
| 28 | 7:00 | 1.0 | 0.09 | 0.60 | 0.08 | 0.01 | 0.06 | 0.02 |
| 29 | 7:15 | 1.0 | 0.09 | 0.59 | 0.08 | 0.01 | 0.06 | 0.02 |
| 30 | 7:30 | 1.1 | 0.10 | 0.59 | 0.09 | 0.01 | 0.07 | 0.02 |
| 31 | 7:45 | 1.2 | 0.11 | 0.58 | 0.10 | 0.01 | 0.07 | 0.02 |
| 32 | 8:00 | 1.3 | 0.11 | 0.57 | 0.10 | 0.01 | 0.08 | 0.03 |
| 33 | 8:15 | 1.5 | 0.13 | 0.56 | 0.12 | 0.01 | 0.09 | 0.03 |
| 34 | 8:30 | 1.5 | 0.13 | 0.55 | 0.12 | 0.01 | 0.09 | 0.03 |
| 35 | 8:45 | 1.6 | 0.14 | 0.55 | 0.13 | 0.01 | 0.10 | 0.03 |
| 36 | 9:00 | 1.7 | 0.15 | 0.54 | 0.13 | 0.01 | 0.10 | 0.03 |
| 37 | 9:15 | 1.9 | 0.17 | 0.53 | 0.15 | 0.02 | 0.12 | 0.04 |
| 38 | 9:30 | 2.0 | 0.18 | 0.52 | 0.16 | 0.02 | 0.12 | 0.04 |
| 39 | 9:45 | 2.1 | 0.18 | 0.52 | 0.17 | 0.02 | 0.13 | 0.04 |
| 40 | 10:00 | 2.2 | 0.19 | 0.51 | 0.17 | 0.02 | 0.13 | 0.04 |
| 41 | 10:15 | 1.5 | 0.13 | 0.50 | 0.12 | 0.01 | 0.09 | 0.05 |
| 42 | 10:30 | 1.5 | 0.13 | 0.49 | 0.12 | 0.01 | 0.09 | 0.05 |
| 43 | 10:45 | 2.0 | 0.18 | 0.49 | 0.16 | 0.02 | 0.12 | 0.05 |
| 44 | 11:00 | 2.0 | 0.18 | 0.48 | 0.16 | 0.02 | 0.12 | 0.05 |
| 45 | 11:15 | 1.9 | 0.17 | 0.47 | 0.15 | 0.02 | 0.12 | 0.05 |
| 46 | 11:30 | 1.9 | 0.17 | 0.47 | 0.15 | 0.02 | 0.12 | 0.06 |
| 47 | 11:45 | 1.7 | 0.15 | 0.46 | 0.13 | 0.01 | 0.10 | 0.06 |
| 48 | 12:00 | 1.8 | 0.16 | 0.45 | 0.14 | 0.02 | 0.11 | 0.06 |
| 49 | 12:15 | 2.5 | 0.22 | 0.45 | 0.20 | 0.02 | 0.15 | 0.06 |
| 50 | 12:30 | 2.6 | 0.23 | 0.44 | 0.21 | 0.02 | 0.16 | 0.07 |
| 51 | 12:45 | 2.8 | 0.25 | 0.43 | 0.22 | 0.02 | 0.17 | 0.07 |
| 52 | 13:00 | 2.9 | 0.26 | 0.43 | 0.23 | 0.03 | 0.18 | 0.07 |
| 53 | 13:15 | 3.4 | 0.30 | 0.42 | 0.27 | 0.03 | 0.21 | 0.08 |
| 54 | 13:30 | 3.4 | 0.30 | 0.41 | 0.27 | 0.03 | 0.21 | 0.08 |
| 55 | 13:45 | 2.3 | 0.20 | 0.41 | 0.18 | 0.02 | 0.14 | 0.09 |
| 56 | 14:00 | 2.3 | 0.20 | 0.40 | 0.18 | 0.02 | 0.14 | 0.09 |
| 57 | 14:15 | 2.7 | 0.24 | 0.39 | 0.21 | 0.02 | 0.17 | 0.09 |
| 58 | 14:30 | 2.6 | 0.23 | 0.39 | 0.21 | 0.02 | 0.16 | 0.10 |
| 59 | 14:45 | 2.6 | 0.23 | 0.38 | 0.21 | 0.02 | 0.16 | 0.10 |
| 60 | 15:00 | 2.5 | 0.22 | 0.38 | 0.20 | 0.02 | 0.15 | 0.10 |
| 61 | 15:15 | 2.4 | 0.21 | 0.37 | 0.19 | 0.02 | 0.15 | 0.11 |
| 62 | 15:30 | 2.3 | 0.20 | 0.37 | 0.18 | 0.02 | 0.14 | 0.11 |
| 63 | 15:45 | 1.9 | 0.17 | 0.36 | 0.15 | 0.02 | 0.12 | 0.11 |
| 64 | 16:00 | 1.9 | 0.17 | 0.35 | 0.15 | 0.02 | 0.12 | 0.11 |
| 65 | 16:15 | 0.4 | 0.04 | 0.35 | 0.03 | 0.00 | 0.02 | 0.11 |
| 66 | 16:30 | 0.4 | 0.04 | 0.34 | 0.03 | 0.00 | 0.02 | 0.11 |
| 67 | 16:45 | 0.3 | 0.03 | 0.34 | 0.02 | 0.00 | 0.02 | 0.12 |
| 68 | 17:00 | 0.3 | 0.03 | 0.33 | 0.02 | 0.00 | 0.02 | 0.12 |
| 69 | 17:15 | 0.5 | 0.04 | 0.33 | 0.04 | 0.00 | 0.03 | 0.12 |
| 70 | 17:30 | 0.5 | 0.04 | 0.32 | 0.04 | 0.00 | 0.03 | 0.12 |
| 71 | 17:45 | 0.5 | 0.04 | 0.32 | 0.04 | 0.00 | 0.03 | 0.12 |
| 72 | 18:00 | 0.4 | 0.04 | 0.31 | 0.03 | 0.00 | 0.02 | 0.12 |
| 73 | 18:15 | 0.4 | 0.04 | 0.31 | 0.03 | 0.00 | 0.02 | 0.12 |
| 74 | 18:30 | 0.4 | 0.04 | 0.30 | 0.03 | 0.00 | 0.02 | 0.12 |
| 75 | 18:45 | 0.3 | 0.03 | 0.30 | 0.02 | 0.00 | 0.02 | 0.12 |
| 76 | 19:00 | 0.2 | 0.02 | 0.30 | 0.02 | 0.00 | 0.01 | 0.12 |
| 77 | 19:15 | 0.3 | 0.03 | 0.29 | 0.02 | 0.00 | 0.02 | 0.12 |
| 78 | 19:30 | 0.4 | 0.04 | 0.29 | 0.03 | 0.00 | 0.02 | 0.12 |
| 79 | 19:45 | 0.3 | 0.03 | 0.28 | 0.02 | 0.00 | 0.02 | 0.12 |
| 80 | 20:00 | 0.2 | 0.02 | 0.28 | 0.02 | 0.00 | 0.01 | 0.12 |
| 81 | 20:15 | 0.3 | 0.03 | 0.28 | 0.02 | 0.00 | 0.02 | 0.12 |
| 82 | 20:30 | 0.3 | 0.03 | 0.27 | 0.02 | 0.00 | 0.02 | 0.12 |
| 83 | 20:45 | 0.3 | 0.03 | 0.27 | 0.02 | 0.00 | 0.02 | 0.12 |
| 84 | 21:00 | 0.2 | 0.02 | 0.27 | 0.02 | 0.00 | 0.01 | 0.12 |
| 85 | 21:15 | 0.3 | 0.03 | 0.26 | 0.02 | 0.00 | 0.02 | 0.12 |
| 86 | 21:30 | 0.2 | 0.02 | 0.26 | 0.02 | 0.00 | 0.01 | 0.12 |
| 87 | 21:45 | 0.3 | 0.03 | 0.26 | 0.02 | 0.00 | 0.02 | 0.12 |
| 88 | 22:00 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.01 | 0.12 |
| 89 | 22:15 | 0.3 | 0.03 | 0.25 | 0.02 | 0.00 | 0.02 | 0.12 |
| 90 | 22:30 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.01 | 0.12 |
| 91 | 22:45 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.01 | 0.12 |
| 92 | 23:00 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.01 | 0.13 |
| 93 | 23:15 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.01 | 0.13 |
| 94 | 23:30 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.01 | 0.13 |
| 95 | 23:45 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.01 | 0.13 |
| 96 | 0:00 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.01 | 0.13 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.6 |
| AMC | | 1 |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |
| Fm | (in/hr) | 0.24 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.01 | 0.85 | 0.01 | 0.00 | 0.01 | 0.00 |
| 2 | 0:30 | 0.3 | 0.02 | 0.84 | 0.02 | 0.00 | 0.01 | 0.00 |
| 3 | 0:45 | 0.3 | 0.02 | 0.83 | 0.02 | 0.00 | 0.01 | 0.00 |
| 4 | 1:00 | 0.4 | 0.03 | 0.82 | 0.02 | 0.00 | 0.02 | 0.00 |
| 5 | 1:15 | 0.3 | 0.02 | 0.81 | 0.02 | 0.00 | 0.01 | 0.00 |
| 6 | 1:30 | 0.3 | 0.02 | 0.80 | 0.02 | 0.00 | 0.01 | 0.00 |
| 7 | 1:45 | 0.3 | 0.02 | 0.79 | 0.02 | 0.00 | 0.01 | 0.00 |
| 8 | 2:00 | 0.4 | 0.03 | 0.78 | 0.02 | 0.00 | 0.02 | 0.00 |
| 9 | 2:15 | 0.4 | 0.03 | 0.77 | 0.02 | 0.00 | 0.02 | 0.00 |
| 10 | 2:30 | 0.4 | 0.03 | 0.76 | 0.02 | 0.00 | 0.02 | 0.00 |
| 11 | 2:45 | 0.5 | 0.03 | 0.75 | 0.03 | 0.00 | 0.02 | 0.00 |
| 12 | 3:00 | 0.5 | 0.03 | 0.74 | 0.03 | 0.00 | 0.02 | 0.00 |
| 13 | 3:15 | 0.5 | 0.03 | 0.73 | 0.03 | 0.00 | 0.02 | 0.00 |
| 14 | 3:30 | 0.5 | 0.03 | 0.72 | 0.03 | 0.00 | 0.02 | 0.00 |
| 15 | 3:45 | 0.5 | 0.03 | 0.72 | 0.03 | 0.00 | 0.02 | 0.01 |
| 16 | 4:00 | 0.6 | 0.04 | 0.71 | 0.03 | 0.00 | 0.03 | 0.01 |
| 17 | 4:15 | 0.6 | 0.04 | 0.70 | 0.03 | 0.00 | 0.03 | 0.01 |
| 18 | 4:30 | 0.7 | 0.04 | 0.69 | 0.04 | 0.00 | 0.03 | 0.01 |
| 19 | 4:45 | 0.7 | 0.04 | 0.68 | 0.04 | 0.00 | 0.03 | 0.01 |
| 20 | 5:00 | 0.8 | 0.05 | 0.67 | 0.05 | 0.01 | 0.04 | 0.01 |
| 21 | 5:15 | 0.6 | 0.04 | 0.66 | 0.03 | 0.00 | 0.03 | 0.01 |
| 22 | 5:30 | 0.7 | 0.04 | 0.65 | 0.04 | 0.00 | 0.03 | 0.01 |
| 23 | 5:45 | 0.8 | 0.05 | 0.64 | 0.05 | 0.01 | 0.04 | 0.01 |
| 24 | 6:00 | 0.8 | 0.05 | 0.64 | 0.05 | 0.01 | 0.04 | 0.01 |
| 25 | 6:15 | 0.9 | 0.06 | 0.63 | 0.05 | 0.01 | 0.04 | 0.01 |
| 26 | 6:30 | 0.9 | 0.06 | 0.62 | 0.05 | 0.01 | 0.04 | 0.01 |
| 27 | 6:45 | 1.0 | 0.06 | 0.61 | 0.06 | 0.01 | 0.04 | 0.01 |
| 28 | 7:00 | 1.0 | 0.06 | 0.60 | 0.06 | 0.01 | 0.04 | 0.01 |
| 29 | 7:15 | 1.0 | 0.06 | 0.59 | 0.06 | 0.01 | 0.04 | 0.02 |
| 30 | 7:30 | 1.1 | 0.07 | 0.59 | 0.06 | 0.01 | 0.05 | 0.02 |
| 31 | 7:45 | 1.2 | 0.08 | 0.58 | 0.07 | 0.01 | 0.05 | 0.02 |
| 32 | 8:00 | 1.3 | 0.08 | 0.57 | 0.07 | 0.01 | 0.06 | 0.02 |
| 33 | 8:15 | 1.5 | 0.10 | 0.56 | 0.09 | 0.01 | 0.07 | 0.02 |
| 34 | 8:30 | 1.5 | 0.10 | 0.55 | 0.09 | 0.01 | 0.07 | 0.02 |
| 35 | 8:45 | 1.6 | 0.10 | 0.55 | 0.09 | 0.01 | 0.07 | 0.02 |
| 36 | 9:00 | 1.7 | 0.11 | 0.54 | 0.10 | 0.01 | 0.08 | 0.02 |
| 37 | 9:15 | 1.9 | 0.12 | 0.53 | 0.11 | 0.01 | 0.08 | 0.03 |
| 38 | 9:30 | 2.0 | 0.13 | 0.52 | 0.12 | 0.01 | 0.09 | 0.03 |
| 39 | 9:45 | 2.1 | 0.13 | 0.52 | 0.12 | 0.01 | 0.09 | 0.03 |
| 40 | 10:00 | 2.2 | 0.14 | 0.51 | 0.13 | 0.01 | 0.10 | 0.03 |
| 41 | 10:15 | 1.5 | 0.10 | 0.50 | 0.09 | 0.01 | 0.07 | 0.03 |
| 42 | 10:30 | 1.5 | 0.10 | 0.49 | 0.09 | 0.01 | 0.07 | 0.03 |
| 43 | 10:45 | 2.0 | 0.13 | 0.49 | 0.12 | 0.01 | 0.09 | 0.04 |
| 44 | 11:00 | 2.0 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.04 |
| 45 | 11:15 | 1.9 | 0.12 | 0.47 | 0.11 | 0.01 | 0.08 | 0.04 |
| 46 | 11:30 | 1.9 | 0.12 | 0.47 | 0.11 | 0.01 | 0.08 | 0.04 |
| 47 | 11:45 | 1.7 | 0.11 | 0.46 | 0.10 | 0.01 | 0.08 | 0.04 |
| 48 | 12:00 | 1.8 | 0.12 | 0.45 | 0.10 | 0.01 | 0.08 | 0.04 |
| 49 | 12:15 | 2.5 | 0.16 | 0.45 | 0.14 | 0.02 | 0.11 | 0.05 |
| 50 | 12:30 | 2.6 | 0.17 | 0.44 | 0.15 | 0.02 | 0.12 | 0.05 |
| 51 | 12:45 | 2.8 | 0.18 | 0.43 | 0.16 | 0.02 | 0.12 | 0.05 |
| 52 | 13:00 | 2.9 | 0.19 | 0.43 | 0.17 | 0.02 | 0.13 | 0.05 |
| 53 | 13:15 | 3.4 | 0.22 | 0.42 | 0.20 | 0.02 | 0.15 | 0.06 |
| 54 | 13:30 | 3.4 | 0.22 | 0.41 | 0.20 | 0.02 | 0.15 | 0.06 |
| 55 | 13:45 | 2.3 | 0.15 | 0.41 | 0.13 | 0.01 | 0.10 | 0.06 |
| 56 | 14:00 | 2.3 | 0.15 | 0.40 | 0.13 | 0.01 | 0.10 | 0.06 |
| 57 | 14:15 | 2.7 | 0.17 | 0.39 | 0.16 | 0.02 | 0.12 | 0.07 |
| 58 | 14:30 | 2.6 | 0.17 | 0.39 | 0.15 | 0.02 | 0.12 | 0.07 |
| 59 | 14:45 | 2.6 | 0.17 | 0.38 | 0.15 | 0.02 | 0.12 | 0.07 |
| 60 | 15:00 | 2.5 | 0.16 | 0.38 | 0.14 | 0.02 | 0.11 | 0.07 |
| 61 | 15:15 | 2.4 | 0.15 | 0.37 | 0.14 | 0.02 | 0.11 | 0.08 |
| 62 | 15:30 | 2.3 | 0.15 | 0.37 | 0.13 | 0.01 | 0.10 | 0.08 |
| 63 | 15:45 | 1.9 | 0.12 | 0.36 | 0.11 | 0.01 | 0.08 | 0.08 |
| 64 | 16:00 | 1.9 | 0.12 | 0.35 | 0.11 | 0.01 | 0.08 | 0.08 |
| 65 | 16:15 | 0.4 | 0.03 | 0.35 | 0.02 | 0.00 | 0.02 | 0.08 |
| 66 | 16:30 | 0.4 | 0.03 | 0.34 | 0.02 | 0.00 | 0.02 | 0.08 |
| 67 | 16:45 | 0.3 | 0.02 | 0.34 | 0.02 | 0.00 | 0.01 | 0.08 |
| 68 | 17:00 | 0.3 | 0.02 | 0.33 | 0.02 | 0.00 | 0.01 | 0.08 |
| 69 | 17:15 | 0.5 | 0.03 | 0.33 | 0.03 | 0.00 | 0.02 | 0.08 |
| 70 | 17:30 | 0.5 | 0.03 | 0.32 | 0.03 | 0.00 | 0.02 | 0.09 |
| 71 | 17:45 | 0.5 | 0.03 | 0.32 | 0.03 | 0.00 | 0.02 | 0.09 |
| 72 | 18:00 | 0.4 | 0.03 | 0.31 | 0.02 | 0.00 | 0.02 | 0.09 |
| 73 | 18:15 | 0.4 | 0.03 | 0.31 | 0.02 | 0.00 | 0.02 | 0.09 |
| 74 | 18:30 | 0.4 | 0.03 | 0.30 | 0.02 | 0.00 | 0.02 | 0.09 |
| 75 | 18:45 | 0.3 | 0.02 | 0.30 | 0.02 | 0.00 | 0.01 | 0.09 |
| 76 | 19:00 | 0.2 | 0.01 | 0.30 | 0.01 | 0.00 | 0.01 | 0.09 |
| 77 | 19:15 | 0.3 | 0.02 | 0.29 | 0.02 | 0.00 | 0.01 | 0.09 |
| 78 | 19:30 | 0.4 | 0.03 | 0.29 | 0.02 | 0.00 | 0.02 | 0.09 |
| 79 | 19:45 | 0.3 | 0.02 | 0.28 | 0.02 | 0.00 | 0.01 | 0.09 |
| 80 | 20:00 | 0.2 | 0.01 | 0.28 | 0.01 | 0.00 | 0.01 | 0.09 |
| 81 | 20:15 | 0.3 | 0.02 | 0.28 | 0.02 | 0.00 | 0.01 | 0.09 |
| 82 | 20:30 | 0.3 | 0.02 | 0.27 | 0.02 | 0.00 | 0.01 | 0.09 |
| 83 | 20:45 | 0.3 | 0.02 | 0.27 | 0.02 | 0.00 | 0.01 | 0.09 |
| 84 | 21:00 | 0.2 | 0.01 | 0.27 | 0.01 | 0.00 | 0.01 | 0.09 |
| 85 | 21:15 | 0.3 | 0.02 | 0.26 | 0.02 | 0.00 | 0.01 | 0.09 |
| 86 | 21:30 | 0.2 | 0.01 | 0.26 | 0.01 | 0.00 | 0.01 | 0.09 |
| 87 | 21:45 | 0.3 | 0.02 | 0.26 | 0.02 | 0.00 | 0.01 | 0.09 |
| 88 | 22:00 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.01 | 0.09 |
| 89 | 22:15 | 0.3 | 0.02 | 0.25 | 0.02 | 0.00 | 0.01 | 0.09 |
| 90 | 22:30 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.01 | 0.09 |
| 91 | 22:45 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.01 | 0.09 |
| 92 | 23:00 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.01 | 0.09 |
| 93 | 23:15 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.01 | 0.09 |
| 94 | 23:30 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.01 | 0.09 |
| 95 | 23:45 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.01 | 0.09 |
| 96 | 0:00 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.01 | 0.09 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 2.5 |
| AMC | | III |
| RI | | 77.0 |
| Fp | (in/hr) | 0.14 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.14 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.15 | 0.14 | 0.14 | 0.01 | 0.07 | 0.00 |
| 2 | 0:10 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.28 | 0.00 |
| 3 | 0:15 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.28 | 0.00 |
| 4 | 0:20 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.28 | 0.01 |
| 5 | 0:25 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.28 | 0.01 |
| 6 | 0:30 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.49 | 0.01 |
| 7 | 0:35 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.49 | 0.01 |
| 8 | 0:40 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.49 | 0.02 |
| 9 | 0:45 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.49 | 0.02 |
| 10 | 0:50 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.49 | 0.02 |
| 11 | 0:55 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.49 | 0.03 |
| 12 | 1:00 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.70 | 0.03 |
| 13 | 1:05 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.70 | 0.04 |
| 14 | 1:10 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.70 | 0.04 |
| 15 | 1:15 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.70 | 0.04 |
| 16 | 1:20 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.70 | 0.05 |
| 17 | 1:25 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.70 | 0.05 |
| 18 | 1:30 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.70 | 0.06 |
| 19 | 1:35 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.70 | 0.06 |
| 20 | 1:40 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.70 | 0.07 |
| 21 | 1:45 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.70 | 0.07 |
| 22 | 1:50 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.70 | 0.08 |
| 23 | 1:55 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.70 | 0.08 |
| 24 | 2:00 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.90 | 0.09 |
| 25 | 2:05 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.70 | 0.09 |
| 26 | 2:10 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.90 | 0.10 |
| 27 | 2:15 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.90 | 0.11 |
| 28 | 2:20 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.90 | 0.11 |
| 29 | 2:25 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.90 | 0.12 |
| 30 | 2:30 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.90 | 0.12 |
| 31 | 2:35 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.90 | 0.13 |
| 32 | 2:40 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.90 | 0.14 |
| 33 | 2:45 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.11 | 0.14 |
| 34 | 2:50 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.11 | 0.15 |
| 35 | 2:55 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.11 | 0.16 |
| 36 | 3:00 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.11 | 0.17 |
| 37 | 3:05 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.11 | 0.17 |
| 38 | 3:10 | 1.1 | 0.33 | 0.14 | 0.30 | 0.19 | 1.32 | 0.18 |
| 39 | 3:15 | 1.1 | 0.33 | 0.14 | 0.30 | 0.19 | 1.32 | 0.19 |
| 40 | 3:20 | 1.1 | 0.33 | 0.14 | 0.30 | 0.19 | 1.32 | 0.20 |
| 41 | 3:25 | 1.2 | 0.36 | 0.14 | 0.32 | 0.22 | 1.53 | 0.21 |
| 42 | 3:30 | 1.3 | 0.39 | 0.14 | 0.35 | 0.25 | 1.74 | 0.22 |
| 43 | 3:35 | 1.4 | 0.42 | 0.14 | 0.38 | 0.28 | 1.95 | 0.24 |
| 44 | 3:40 | 1.4 | 0.42 | 0.14 | 0.38 | 0.28 | 1.95 | 0.25 |
| 45 | 3:45 | 1.5 | 0.45 | 0.14 | 0.41 | 0.31 | 2.15 | 0.26 |
| 46 | 3:50 | 1.5 | 0.45 | 0.14 | 0.41 | 0.31 | 2.15 | 0.28 |
| 47 | 3:55 | 1.6 | 0.48 | 0.14 | 0.43 | 0.34 | 2.36 | 0.29 |
| 48 | 4:00 | 1.6 | 0.48 | 0.14 | 0.43 | 0.34 | 2.36 | 0.31 |
| 49 | 4:05 | 1.7 | 0.51 | 0.14 | 0.46 | 0.37 | 2.57 | 0.33 |
| 50 | 4:10 | 1.8 | 0.54 | 0.14 | 0.49 | 0.40 | 2.78 | 0.34 |
| 51 | 4:15 | 1.9 | 0.57 | 0.14 | 0.51 | 0.43 | 2.99 | 0.36 |
| 52 | 4:20 | 2.0 | 0.60 | 0.14 | 0.54 | 0.46 | 3.20 | 0.39 |
| 53 | 4:25 | 2.1 | 0.63 | 0.14 | 0.57 | 0.49 | 3.41 | 0.41 |
| 54 | 4:30 | 2.1 | 0.63 | 0.14 | 0.57 | 0.49 | 3.41 | 0.43 |
| 55 | 4:35 | 2.2 | 0.66 | 0.14 | 0.59 | 0.52 | 3.61 | 0.46 |
| 56 | 4:40 | 2.3 | 0.69 | 0.14 | 0.62 | 0.55 | 3.82 | 0.48 |
| 57 | 4:45 | 2.4 | 0.72 | 0.14 | 0.65 | 0.58 | 4.03 | 0.51 |
| 58 | 4:50 | 2.4 | 0.72 | 0.14 | 0.65 | 0.58 | 4.03 | 0.54 |
| 59 | 4:55 | 2.5 | 0.75 | 0.14 | 0.68 | 0.61 | 4.24 | 0.57 |
| 60 | 5:00 | 2.6 | 0.78 | 0.14 | 0.70 | 0.64 | 4.45 | 0.59 |
| 61 | 5:05 | 3.1 | 0.93 | 0.14 | 0.84 | 0.79 | 5.49 | 0.63 |
| 62 | 5:10 | 3.6 | 1.08 | 0.14 | 0.97 | 0.94 | 6.53 | 0.67 |
| 63 | 5:15 | 3.9 | 1.17 | 0.14 | 1.05 | 1.03 | 7.16 | 0.72 |
| 64 | 5:20 | 4.2 | 1.26 | 0.14 | 1.13 | 1.12 | 7.78 | 0.77 |
| 65 | 5:25 | 4.7 | 1.41 | 0.14 | 1.27 | 1.27 | 8.83 | 0.83 |
| 66 | 5:30 | 5.6 | 1.68 | 0.14 | 1.51 | 1.54 | 10.70 | 0.89 |
| 67 | 5:35 | 1.9 | 0.57 | 0.14 | 0.51 | 0.43 | 2.99 | 0.94 |
| 68 | 5:40 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.90 | 0.95 |
| 69 | 5:45 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.28 | 0.96 |
| 70 | 5:50 | 0.5 | 0.15 | 0.14 | 0.14 | 0.01 | 0.07 | 0.96 |
| 71 | 5:55 | 0.3 | 0.09 | 0.14 | 0.08 | 0.01 | 0.06 | 0.96 |
| 72 | 6:00 | 0.2 | 0.06 | 0.14 | 0.05 | 0.01 | 0.04 | 0.96 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.7 |
| AMC | | II |
| RI | | 77.0 |
| Fp | (in/hr) | 0.28 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.28 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.10 | 0.28 | 0.09 | 0.01 | 0.07 | 0.00 |
| 2 | 0:10 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.09 | 0.00 |
| 3 | 0:15 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.09 | 0.00 |
| 4 | 0:20 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.09 | 0.00 |
| 5 | 0:25 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.09 | 0.00 |
| 6 | 0:30 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.10 | 0.00 |
| 7 | 0:35 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.10 | 0.00 |
| 8 | 0:40 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.10 | 0.00 |
| 9 | 0:45 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.10 | 0.01 |
| 10 | 0:50 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.10 | 0.01 |
| 11 | 0:55 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.10 | 0.01 |
| 12 | 1:00 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.11 | 0.01 |
| 13 | 1:05 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.11 | 0.01 |
| 14 | 1:10 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.11 | 0.01 |
| 15 | 1:15 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.11 | 0.01 |
| 16 | 1:20 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.11 | 0.01 |
| 17 | 1:25 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.11 | 0.01 |
| 18 | 1:30 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.11 | 0.01 |
| 19 | 1:35 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.11 | 0.01 |
| 20 | 1:40 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.11 | 0.01 |
| 21 | 1:45 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.11 | 0.01 |
| 22 | 1:50 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.11 | 0.02 |
| 23 | 1:55 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.11 | 0.02 |
| 24 | 2:00 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.13 | 0.02 |
| 25 | 2:05 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.11 | 0.02 |
| 26 | 2:10 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.13 | 0.02 |
| 27 | 2:15 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.13 | 0.02 |
| 28 | 2:20 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.13 | 0.02 |
| 29 | 2:25 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.13 | 0.02 |
| 30 | 2:30 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.13 | 0.02 |
| 31 | 2:35 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.13 | 0.02 |
| 32 | 2:40 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.13 | 0.02 |
| 33 | 2:45 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.14 | 0.02 |
| 34 | 2:50 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.14 | 0.03 |
| 35 | 2:55 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.14 | 0.03 |
| 36 | 3:00 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.14 | 0.03 |
| 37 | 3:05 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.14 | 0.03 |
| 38 | 3:10 | 1.1 | 0.22 | 0.28 | 0.20 | 0.02 | 0.16 | 0.03 |
| 39 | 3:15 | 1.1 | 0.22 | 0.28 | 0.20 | 0.02 | 0.16 | 0.03 |
| 40 | 3:20 | 1.1 | 0.22 | 0.28 | 0.20 | 0.02 | 0.16 | 0.03 |
| 41 | 3:25 | 1.2 | 0.24 | 0.28 | 0.22 | 0.02 | 0.17 | 0.03 |
| 42 | 3:30 | 1.3 | 0.27 | 0.28 | 0.24 | 0.03 | 0.18 | 0.03 |
| 43 | 3:35 | 1.4 | 0.29 | 0.28 | 0.26 | 0.01 | 0.04 | 0.03 |
| 44 | 3:40 | 1.4 | 0.29 | 0.28 | 0.26 | 0.01 | 0.04 | 0.04 |
| 45 | 3:45 | 1.5 | 0.31 | 0.28 | 0.28 | 0.03 | 0.18 | 0.04 |
| 46 | 3:50 | 1.5 | 0.31 | 0.28 | 0.28 | 0.03 | 0.18 | 0.04 |
| 47 | 3:55 | 1.6 | 0.33 | 0.28 | 0.29 | 0.05 | 0.32 | 0.04 |
| 48 | 4:00 | 1.6 | 0.33 | 0.28 | 0.29 | 0.05 | 0.32 | 0.04 |
| 49 | 4:05 | 1.7 | 0.35 | 0.28 | 0.31 | 0.07 | 0.46 | 0.04 |
| 50 | 4:10 | 1.8 | 0.37 | 0.28 | 0.33 | 0.09 | 0.61 | 0.05 |
| 51 | 4:15 | 1.9 | 0.39 | 0.28 | 0.35 | 0.11 | 0.75 | 0.05 |
| 52 | 4:20 | 2.0 | 0.41 | 0.28 | 0.37 | 0.13 | 0.89 | 0.06 |
| 53 | 4:25 | 2.1 | 0.43 | 0.28 | 0.39 | 0.15 | 1.03 | 0.06 |
| 54 | 4:30 | 2.1 | 0.43 | 0.28 | 0.39 | 0.15 | 1.03 | 0.07 |
| 55 | 4:35 | 2.2 | 0.45 | 0.28 | 0.40 | 0.17 | 1.17 | 0.08 |
| 56 | 4:40 | 2.3 | 0.47 | 0.28 | 0.42 | 0.19 | 1.31 | 0.09 |
| 57 | 4:45 | 2.4 | 0.49 | 0.28 | 0.44 | 0.21 | 1.46 | 0.10 |
| 58 | 4:50 | 2.4 | 0.49 | 0.28 | 0.44 | 0.21 | 1.46 | 0.11 |
| 59 | 4:55 | 2.5 | 0.51 | 0.28 | 0.46 | 0.23 | 1.60 | 0.12 |
| 60 | 5:00 | 2.6 | 0.53 | 0.28 | 0.48 | 0.25 | 1.74 | 0.13 |
| 61 | 5:05 | 3.1 | 0.63 | 0.28 | 0.57 | 0.35 | 2.45 | 0.14 |
| 62 | 5:10 | 3.6 | 0.73 | 0.28 | 0.66 | 0.45 | 3.16 | 0.16 |
| 63 | 5:15 | 3.9 | 0.80 | 0.28 | 0.72 | 0.52 | 3.58 | 0.19 |
| 64 | 5:20 | 4.2 | 0.86 | 0.28 | 0.77 | 0.58 | 4.01 | 0.21 |
| 65 | 5:25 | 4.7 | 0.96 | 0.28 | 0.86 | 0.68 | 4.72 | 0.24 |
| 66 | 5:30 | 5.6 | 1.14 | 0.28 | 1.03 | 0.86 | 5.99 | 0.28 |
| 67 | 5:35 | 1.9 | 0.39 | 0.28 | 0.35 | 0.11 | 0.75 | 0.30 |
| 68 | 5:40 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.13 | 0.31 |
| 69 | 5:45 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.09 | 0.31 |
| 70 | 5:50 | 0.5 | 0.10 | 0.28 | 0.09 | 0.01 | 0.07 | 0.31 |
| 71 | 5:55 | 0.3 | 0.06 | 0.28 | 0.06 | 0.01 | 0.04 | 0.31 |
| 72 | 6:00 | 0.2 | 0.04 | 0.28 | 0.04 | 0.00 | 0.03 | 0.31 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.4 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.08 | 0.48 | 0.08 | 0.01 | 0.06 | 0.00 |
| 2 | 0:10 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.00 |
| 3 | 0:15 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.00 |
| 4 | 0:20 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.00 |
| 5 | 0:25 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.00 |
| 6 | 0:30 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.00 |
| 7 | 0:35 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.00 |
| 8 | 0:40 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.00 |
| 9 | 0:45 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.00 |
| 10 | 0:50 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.00 |
| 11 | 0:55 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.01 |
| 12 | 1:00 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.01 |
| 13 | 1:05 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.01 |
| 14 | 1:10 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.01 |
| 15 | 1:15 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.01 |
| 16 | 1:20 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.01 |
| 17 | 1:25 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.01 |
| 18 | 1:30 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.01 |
| 19 | 1:35 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.01 |
| 20 | 1:40 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.01 |
| 21 | 1:45 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.01 |
| 22 | 1:50 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.01 |
| 23 | 1:55 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.01 |
| 24 | 2:00 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.11 | 0.01 |
| 25 | 2:05 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.01 |
| 26 | 2:10 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.11 | 0.02 |
| 27 | 2:15 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.11 | 0.02 |
| 28 | 2:20 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.11 | 0.02 |
| 29 | 2:25 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.11 | 0.02 |
| 30 | 2:30 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.11 | 0.02 |
| 31 | 2:35 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.11 | 0.02 |
| 32 | 2:40 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.11 | 0.02 |
| 33 | 2:45 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.12 | 0.02 |
| 34 | 2:50 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.12 | 0.02 |
| 35 | 2:55 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.12 | 0.02 |
| 36 | 3:00 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.12 | 0.02 |
| 37 | 3:05 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.12 | 0.02 |
| 38 | 3:10 | 1.1 | 0.18 | 0.48 | 0.17 | 0.02 | 0.13 | 0.02 |
| 39 | 3:15 | 1.1 | 0.18 | 0.48 | 0.17 | 0.02 | 0.13 | 0.03 |
| 40 | 3:20 | 1.1 | 0.18 | 0.48 | 0.17 | 0.02 | 0.13 | 0.03 |
| 41 | 3:25 | 1.2 | 0.20 | 0.48 | 0.18 | 0.02 | 0.14 | 0.03 |
| 42 | 3:30 | 1.3 | 0.22 | 0.48 | 0.20 | 0.02 | 0.15 | 0.03 |
| 43 | 3:35 | 1.4 | 0.24 | 0.48 | 0.21 | 0.02 | 0.16 | 0.03 |
| 44 | 3:40 | 1.4 | 0.24 | 0.48 | 0.21 | 0.02 | 0.16 | 0.03 |
| 45 | 3:45 | 1.5 | 0.25 | 0.48 | 0.23 | 0.03 | 0.18 | 0.03 |
| 46 | 3:50 | 1.5 | 0.25 | 0.48 | 0.23 | 0.03 | 0.18 | 0.03 |
| 47 | 3:55 | 1.6 | 0.27 | 0.48 | 0.24 | 0.03 | 0.19 | 0.03 |
| 48 | 4:00 | 1.6 | 0.27 | 0.48 | 0.24 | 0.03 | 0.19 | 0.04 |
| 49 | 4:05 | 1.7 | 0.29 | 0.48 | 0.26 | 0.03 | 0.20 | 0.04 |
| 50 | 4:10 | 1.8 | 0.30 | 0.48 | 0.27 | 0.03 | 0.21 | 0.04 |
| 51 | 4:15 | 1.9 | 0.32 | 0.48 | 0.29 | 0.03 | 0.22 | 0.04 |
| 52 | 4:20 | 2.0 | 0.34 | 0.48 | 0.30 | 0.03 | 0.23 | 0.04 |
| 53 | 4:25 | 2.1 | 0.35 | 0.48 | 0.32 | 0.04 | 0.25 | 0.04 |
| 54 | 4:30 | 2.1 | 0.35 | 0.48 | 0.32 | 0.04 | 0.25 | 0.04 |
| 55 | 4:35 | 2.2 | 0.37 | 0.48 | 0.33 | 0.04 | 0.26 | 0.05 |
| 56 | 4:40 | 2.3 | 0.39 | 0.48 | 0.35 | 0.04 | 0.27 | 0.05 |
| 57 | 4:45 | 2.4 | 0.40 | 0.48 | 0.36 | 0.04 | 0.28 | 0.05 |
| 58 | 4:50 | 2.4 | 0.40 | 0.48 | 0.36 | 0.04 | 0.28 | 0.05 |
| 59 | 4:55 | 2.5 | 0.42 | 0.48 | 0.38 | 0.04 | 0.29 | 0.05 |
| 60 | 5:00 | 2.6 | 0.44 | 0.48 | 0.39 | 0.04 | 0.30 | 0.06 |
| 61 | 5:05 | 3.1 | 0.52 | 0.48 | 0.47 | 0.04 | 0.28 | 0.06 |
| 62 | 5:10 | 3.6 | 0.60 | 0.48 | 0.54 | 0.12 | 0.87 | 0.06 |
| 63 | 5:15 | 3.9 | 0.66 | 0.48 | 0.59 | 0.18 | 1.22 | 0.07 |
| 64 | 5:20 | 4.2 | 0.71 | 0.48 | 0.64 | 0.23 | 1.57 | 0.08 |
| 65 | 5:25 | 4.7 | 0.79 | 0.48 | 0.71 | 0.31 | 2.15 | 0.09 |
| 66 | 5:30 | 5.6 | 0.94 | 0.48 | 0.85 | 0.46 | 3.20 | 0.11 |
| 67 | 5:35 | 1.9 | 0.32 | 0.48 | 0.29 | 0.03 | 0.22 | 0.12 |
| 68 | 5:40 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.11 | 0.12 |
| 69 | 5:45 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.12 |
| 70 | 5:50 | 0.5 | 0.08 | 0.48 | 0.08 | 0.01 | 0.06 | 0.12 |
| 71 | 5:55 | 0.3 | 0.05 | 0.48 | 0.05 | 0.01 | 0.04 | 0.12 |
| 72 | 6:00 | 0.2 | 0.03 | 0.48 | 0.03 | 0.00 | 0.02 | 0.12 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.0 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.06 | 0.48 | 0.05 | 0.01 | 0.04 | 0.00 |
| 2 | 0:10 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.05 | 0.00 |
| 3 | 0:15 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.05 | 0.00 |
| 4 | 0:20 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.05 | 0.00 |
| 5 | 0:25 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.05 | 0.00 |
| 6 | 0:30 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.06 | 0.00 |
| 7 | 0:35 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.06 | 0.00 |
| 8 | 0:40 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.06 | 0.00 |
| 9 | 0:45 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.06 | 0.00 |
| 10 | 0:50 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.06 | 0.00 |
| 11 | 0:55 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.06 | 0.00 |
| 12 | 1:00 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.00 |
| 13 | 1:05 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.00 |
| 14 | 1:10 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.01 |
| 15 | 1:15 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.01 |
| 16 | 1:20 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.01 |
| 17 | 1:25 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.01 |
| 18 | 1:30 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.01 |
| 19 | 1:35 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.01 |
| 20 | 1:40 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.01 |
| 21 | 1:45 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.01 |
| 22 | 1:50 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.01 |
| 23 | 1:55 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.01 |
| 24 | 2:00 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.08 | 0.01 |
| 25 | 2:05 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.07 | 0.01 |
| 26 | 2:10 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.08 | 0.01 |
| 27 | 2:15 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.08 | 0.01 |
| 28 | 2:20 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.08 | 0.01 |
| 29 | 2:25 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.08 | 0.01 |
| 30 | 2:30 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.08 | 0.01 |
| 31 | 2:35 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.08 | 0.01 |
| 32 | 2:40 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.08 | 0.01 |
| 33 | 2:45 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.01 |
| 34 | 2:50 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.02 |
| 35 | 2:55 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.02 |
| 36 | 3:00 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.02 |
| 37 | 3:05 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.02 |
| 38 | 3:10 | 1.1 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.02 |
| 39 | 3:15 | 1.1 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.02 |
| 40 | 3:20 | 1.1 | 0.13 | 0.48 | 0.12 | 0.01 | 0.09 | 0.02 |
| 41 | 3:25 | 1.2 | 0.14 | 0.48 | 0.13 | 0.01 | 0.10 | 0.02 |
| 42 | 3:30 | 1.3 | 0.16 | 0.48 | 0.14 | 0.02 | 0.11 | 0.02 |
| 43 | 3:35 | 1.4 | 0.17 | 0.48 | 0.15 | 0.02 | 0.12 | 0.02 |
| 44 | 3:40 | 1.4 | 0.17 | 0.48 | 0.15 | 0.02 | 0.12 | 0.02 |
| 45 | 3:45 | 1.5 | 0.18 | 0.48 | 0.16 | 0.02 | 0.13 | 0.02 |
| 46 | 3:50 | 1.5 | 0.18 | 0.48 | 0.16 | 0.02 | 0.13 | 0.02 |
| 47 | 3:55 | 1.6 | 0.19 | 0.48 | 0.17 | 0.02 | 0.13 | 0.02 |
| 48 | 4:00 | 1.6 | 0.19 | 0.48 | 0.17 | 0.02 | 0.13 | 0.03 |
| 49 | 4:05 | 1.7 | 0.20 | 0.48 | 0.18 | 0.02 | 0.14 | 0.03 |
| 50 | 4:10 | 1.8 | 0.22 | 0.48 | 0.19 | 0.02 | 0.15 | 0.03 |
| 51 | 4:15 | 1.9 | 0.23 | 0.48 | 0.21 | 0.02 | 0.16 | 0.03 |
| 52 | 4:20 | 2.0 | 0.24 | 0.48 | 0.22 | 0.02 | 0.17 | 0.03 |
| 53 | 4:25 | 2.1 | 0.25 | 0.48 | 0.23 | 0.03 | 0.18 | 0.03 |
| 54 | 4:30 | 2.1 | 0.25 | 0.48 | 0.23 | 0.03 | 0.18 | 0.03 |
| 55 | 4:35 | 2.2 | 0.26 | 0.48 | 0.24 | 0.03 | 0.18 | 0.03 |
| 56 | 4:40 | 2.3 | 0.28 | 0.48 | 0.25 | 0.03 | 0.19 | 0.03 |
| 57 | 4:45 | 2.4 | 0.29 | 0.48 | 0.26 | 0.03 | 0.20 | 0.04 |
| 58 | 4:50 | 2.4 | 0.29 | 0.48 | 0.26 | 0.03 | 0.20 | 0.04 |
| 59 | 4:55 | 2.5 | 0.30 | 0.48 | 0.27 | 0.03 | 0.21 | 0.04 |
| 60 | 5:00 | 2.6 | 0.31 | 0.48 | 0.28 | 0.03 | 0.22 | 0.04 |
| 61 | 5:05 | 3.1 | 0.37 | 0.48 | 0.33 | 0.04 | 0.26 | 0.04 |
| 62 | 5:10 | 3.6 | 0.43 | 0.48 | 0.39 | 0.04 | 0.30 | 0.04 |
| 63 | 5:15 | 3.9 | 0.47 | 0.48 | 0.42 | 0.05 | 0.33 | 0.05 |
| 64 | 5:20 | 4.2 | 0.50 | 0.48 | 0.45 | 0.02 | 0.17 | 0.05 |
| 65 | 5:25 | 4.7 | 0.56 | 0.48 | 0.51 | 0.08 | 0.58 | 0.05 |
| 66 | 5:30 | 5.6 | 0.67 | 0.48 | 0.60 | 0.19 | 1.33 | 0.06 |
| 67 | 5:35 | 1.9 | 0.23 | 0.48 | 0.21 | 0.02 | 0.16 | 0.06 |
| 68 | 5:40 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.08 | 0.06 |
| 69 | 5:45 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.05 | 0.06 |
| 70 | 5:50 | 0.5 | 0.06 | 0.48 | 0.05 | 0.01 | 0.04 | 0.06 |
| 71 | 5:55 | 0.3 | 0.04 | 0.48 | 0.03 | 0.00 | 0.03 | 0.06 |
| 72 | 6:00 | 0.2 | 0.02 | 0.48 | 0.02 | 0.00 | 0.02 | 0.06 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.9 |
| AMC | | III |
| RI | | 77.0 |
| Fp | (in/hr) | 0.14 |
| At | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.14 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.30 | 0.14 | 0.27 | 0.16 | 1.09 | 0.00 |
| 2 | 0:10 | 1.3 | 0.30 | 0.14 | 0.27 | 0.16 | 1.09 | 0.01 |
| 3 | 0:15 | 1.1 | 0.25 | 0.14 | 0.23 | 0.11 | 0.77 | 0.02 |
| 4 | 0:20 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 1.40 | 0.03 |
| 5 | 0:25 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 1.40 | 0.03 |
| 6 | 0:30 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 1.88 | 0.05 |
| 7 | 0:35 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 1.40 | 0.06 |
| 8 | 0:40 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 1.88 | 0.07 |
| 9 | 0:45 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 1.88 | 0.08 |
| 10 | 0:50 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 1.40 | 0.09 |
| 11 | 0:55 | 1.6 | 0.36 | 0.14 | 0.33 | 0.22 | 1.56 | 0.10 |
| 12 | 1:00 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 1.88 | 0.12 |
| 13 | 1:05 | 2.2 | 0.50 | 0.14 | 0.45 | 0.36 | 2.51 | 0.13 |
| 14 | 1:10 | 2.2 | 0.50 | 0.14 | 0.45 | 0.36 | 2.51 | 0.15 |
| 15 | 1:15 | 2.2 | 0.50 | 0.14 | 0.45 | 0.36 | 2.51 | 0.16 |
| 16 | 1:20 | 2.0 | 0.46 | 0.14 | 0.41 | 0.32 | 2.20 | 0.18 |
| 17 | 1:25 | 2.6 | 0.59 | 0.14 | 0.53 | 0.45 | 3.15 | 0.20 |
| 18 | 1:30 | 2.7 | 0.62 | 0.14 | 0.55 | 0.48 | 3.31 | 0.22 |
| 19 | 1:35 | 2.4 | 0.55 | 0.14 | 0.49 | 0.41 | 2.83 | 0.24 |
| 20 | 1:40 | 2.7 | 0.62 | 0.14 | 0.55 | 0.48 | 3.31 | 0.26 |
| 21 | 1:45 | 3.3 | 0.75 | 0.14 | 0.68 | 0.61 | 4.26 | 0.29 |
| 22 | 1:50 | 3.1 | 0.71 | 0.14 | 0.64 | 0.57 | 3.94 | 0.32 |
| 23 | 1:55 | 2.9 | 0.66 | 0.14 | 0.60 | 0.52 | 3.62 | 0.34 |
| 24 | 2:00 | 3.0 | 0.68 | 0.14 | 0.62 | 0.54 | 3.78 | 0.37 |
| 25 | 2:05 | 3.1 | 0.71 | 0.14 | 0.64 | 0.57 | 3.94 | 0.40 |
| 26 | 2:10 | 4.2 | 0.96 | 0.14 | 0.86 | 0.82 | 5.68 | 0.43 |
| 27 | 2:15 | 5.0 | 1.14 | 0.14 | 1.03 | 1.00 | 6.95 | 0.47 |
| 28 | 2:20 | 3.5 | 0.80 | 0.14 | 0.72 | 0.66 | 4.57 | 0.51 |
| 29 | 2:25 | 6.8 | 1.55 | 0.14 | 1.40 | 1.41 | 9.80 | 0.56 |
| 30 | 2:30 | 7.3 | 1.66 | 0.14 | 1.50 | 1.52 | 10.59 | 0.63 |
| 31 | 2:35 | 8.2 | 1.87 | 0.14 | 1.68 | 1.73 | 12.02 | 0.71 |
| 32 | 2:40 | 5.9 | 1.35 | 0.14 | 1.21 | 1.21 | 8.38 | 0.78 |
| 33 | 2:45 | 2.0 | 0.46 | 0.14 | 0.41 | 0.32 | 2.20 | 0.82 |
| 34 | 2:50 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 1.88 | 0.83 |
| 35 | 2:55 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 1.88 | 0.84 |
| 36 | 3:00 | 0.6 | 0.14 | 0.14 | 0.12 | 0.01 | 0.10 | 0.85 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.3 |
| AMC | | II |
| RI | | 77.0 |
| Fp | (in/hr) | 0.28 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.28 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.20 | 0.28 | 0.18 | 0.02 | 0.14 | 0.00 |
| 2 | 0:10 | 1.3 | 0.20 | 0.28 | 0.18 | 0.02 | 0.14 | 0.00 |
| 3 | 0:15 | 1.1 | 0.17 | 0.28 | 0.15 | 0.02 | 0.12 | 0.00 |
| 4 | 0:20 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 0.16 | 0.00 |
| 5 | 0:25 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 0.16 | 0.00 |
| 6 | 0:30 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.01 |
| 7 | 0:35 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 0.16 | 0.01 |
| 8 | 0:40 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.01 |
| 9 | 0:45 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.01 |
| 10 | 0:50 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 0.16 | 0.01 |
| 11 | 0:55 | 1.6 | 0.25 | 0.28 | 0.22 | 0.02 | 0.17 | 0.01 |
| 12 | 1:00 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.01 |
| 13 | 1:05 | 2.2 | 0.34 | 0.28 | 0.31 | 0.06 | 0.44 | 0.01 |
| 14 | 1:10 | 2.2 | 0.34 | 0.28 | 0.31 | 0.06 | 0.44 | 0.01 |
| 15 | 1:15 | 2.2 | 0.34 | 0.28 | 0.31 | 0.06 | 0.44 | 0.02 |
| 16 | 1:20 | 2.0 | 0.31 | 0.28 | 0.28 | 0.03 | 0.22 | 0.02 |
| 17 | 1:25 | 2.6 | 0.41 | 0.28 | 0.37 | 0.13 | 0.87 | 0.02 |
| 18 | 1:30 | 2.7 | 0.42 | 0.28 | 0.38 | 0.14 | 0.98 | 0.03 |
| 19 | 1:35 | 2.4 | 0.37 | 0.28 | 0.34 | 0.09 | 0.66 | 0.03 |
| 20 | 1:40 | 2.7 | 0.42 | 0.28 | 0.38 | 0.14 | 0.98 | 0.04 |
| 21 | 1:45 | 3.3 | 0.51 | 0.28 | 0.46 | 0.23 | 1.63 | 0.05 |
| 22 | 1:50 | 3.1 | 0.48 | 0.28 | 0.44 | 0.20 | 1.42 | 0.06 |
| 23 | 1:55 | 2.9 | 0.45 | 0.28 | 0.41 | 0.17 | 1.20 | 0.07 |
| 24 | 2:00 | 3.0 | 0.47 | 0.28 | 0.42 | 0.19 | 1.31 | 0.08 |
| 25 | 2:05 | 3.1 | 0.48 | 0.28 | 0.44 | 0.20 | 1.42 | 0.09 |
| 26 | 2:10 | 4.2 | 0.66 | 0.28 | 0.59 | 0.38 | 2.61 | 0.10 |
| 27 | 2:15 | 5.0 | 0.78 | 0.28 | 0.70 | 0.50 | 3.48 | 0.12 |
| 28 | 2:20 | 3.5 | 0.55 | 0.28 | 0.49 | 0.27 | 1.85 | 0.14 |
| 29 | 2:25 | 6.8 | 1.06 | 0.28 | 0.95 | 0.78 | 5.43 | 0.16 |
| 30 | 2:30 | 7.3 | 1.14 | 0.28 | 1.02 | 0.86 | 5.97 | 0.20 |
| 31 | 2:35 | 8.2 | 1.28 | 0.28 | 1.15 | 1.00 | 6.94 | 0.25 |
| 32 | 2:40 | 5.9 | 0.92 | 0.28 | 0.83 | 0.64 | 4.45 | 0.29 |
| 33 | 2:45 | 2.0 | 0.31 | 0.28 | 0.28 | 0.03 | 0.22 | 0.30 |
| 34 | 2:50 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.30 |
| 35 | 2:55 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.30 |
| 36 | 3:00 | 0.6 | 0.09 | 0.28 | 0.08 | 0.01 | 0.07 | 0.30 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.1 |
| AMC | | 1 |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.17 | 0.48 | 0.15 | 0.02 | 0.12 | 0.00 |
| 2 | 0:10 | 1.3 | 0.17 | 0.48 | 0.15 | 0.02 | 0.12 | 0.00 |
| 3 | 0:15 | 1.1 | 0.15 | 0.48 | 0.13 | 0.01 | 0.10 | 0.00 |
| 4 | 0:20 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 0.14 | 0.00 |
| 5 | 0:25 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 0.14 | 0.00 |
| 6 | 0:30 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.17 | 0.00 |
| 7 | 0:35 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 0.14 | 0.01 |
| 8 | 0:40 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.17 | 0.01 |
| 9 | 0:45 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.17 | 0.01 |
| 10 | 0:50 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 0.14 | 0.01 |
| 11 | 0:55 | 1.6 | 0.21 | 0.48 | 0.19 | 0.02 | 0.15 | 0.01 |
| 12 | 1:00 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.17 | 0.01 |
| 13 | 1:05 | 2.2 | 0.29 | 0.48 | 0.26 | 0.03 | 0.20 | 0.01 |
| 14 | 1:10 | 2.2 | 0.29 | 0.48 | 0.26 | 0.03 | 0.20 | 0.01 |
| 15 | 1:15 | 2.2 | 0.29 | 0.48 | 0.26 | 0.03 | 0.20 | 0.02 |
| 16 | 1:20 | 2.0 | 0.26 | 0.48 | 0.24 | 0.03 | 0.18 | 0.02 |
| 17 | 1:25 | 2.6 | 0.34 | 0.48 | 0.31 | 0.03 | 0.24 | 0.02 |
| 18 | 1:30 | 2.7 | 0.36 | 0.48 | 0.32 | 0.04 | 0.25 | 0.02 |
| 19 | 1:35 | 2.4 | 0.32 | 0.48 | 0.29 | 0.03 | 0.22 | 0.02 |
| 20 | 1:40 | 2.7 | 0.36 | 0.48 | 0.32 | 0.04 | 0.25 | 0.02 |
| 21 | 1:45 | 3.3 | 0.44 | 0.48 | 0.39 | 0.04 | 0.30 | 0.02 |
| 22 | 1:50 | 3.1 | 0.41 | 0.48 | 0.37 | 0.04 | 0.28 | 0.03 |
| 23 | 1:55 | 2.9 | 0.38 | 0.48 | 0.34 | 0.04 | 0.27 | 0.03 |
| 24 | 2:00 | 3.0 | 0.40 | 0.48 | 0.36 | 0.04 | 0.28 | 0.03 |
| 25 | 2:05 | 3.1 | 0.41 | 0.48 | 0.37 | 0.04 | 0.28 | 0.03 |
| 26 | 2:10 | 4.2 | 0.55 | 0.48 | 0.50 | 0.07 | 0.52 | 0.04 |
| 27 | 2:15 | 5.0 | 0.66 | 0.48 | 0.59 | 0.18 | 1.25 | 0.04 |
| 28 | 2:20 | 3.5 | 0.46 | 0.48 | 0.42 | 0.05 | 0.32 | 0.05 |
| 29 | 2:25 | 6.8 | 0.90 | 0.48 | 0.81 | 0.42 | 2.90 | 0.06 |
| 30 | 2:30 | 7.3 | 0.96 | 0.48 | 0.87 | 0.48 | 3.36 | 0.08 |
| 31 | 2:35 | 8.2 | 1.08 | 0.48 | 0.97 | 0.60 | 4.19 | 0.11 |
| 32 | 2:40 | 5.9 | 0.78 | 0.48 | 0.70 | 0.30 | 2.08 | 0.13 |
| 33 | 2:45 | 2.0 | 0.26 | 0.48 | 0.24 | 0.03 | 0.18 | 0.13 |
| 34 | 2:50 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.17 | 0.14 |
| 35 | 2:55 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.17 | 0.14 |
| 36 | 3:00 | 0.6 | 0.08 | 0.48 | 0.07 | 0.01 | 0.06 | 0.14 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 0.8 |
| AMC | | 1 |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.12 | 0.48 | 0.11 | 0.01 | 0.09 | 0.00 |
| 2 | 0:10 | 1.3 | 0.12 | 0.48 | 0.11 | 0.01 | 0.09 | 0.00 |
| 3 | 0:15 | 1.1 | 0.11 | 0.48 | 0.10 | 0.01 | 0.07 | 0.00 |
| 4 | 0:20 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.10 | 0.00 |
| 5 | 0:25 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.10 | 0.00 |
| 6 | 0:30 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.12 | 0.00 |
| 7 | 0:35 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.10 | 0.00 |
| 8 | 0:40 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.12 | 0.01 |
| 9 | 0:45 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.12 | 0.01 |
| 10 | 0:50 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.10 | 0.01 |
| 11 | 0:55 | 1.6 | 0.15 | 0.48 | 0.14 | 0.02 | 0.11 | 0.01 |
| 12 | 1:00 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.12 | 0.01 |
| 13 | 1:05 | 2.2 | 0.21 | 0.48 | 0.19 | 0.02 | 0.15 | 0.01 |
| 14 | 1:10 | 2.2 | 0.21 | 0.48 | 0.19 | 0.02 | 0.15 | 0.01 |
| 15 | 1:15 | 2.2 | 0.21 | 0.48 | 0.19 | 0.02 | 0.15 | 0.01 |
| 16 | 1:20 | 2.0 | 0.19 | 0.48 | 0.17 | 0.02 | 0.13 | 0.01 |
| 17 | 1:25 | 2.6 | 0.25 | 0.48 | 0.22 | 0.02 | 0.17 | 0.01 |
| 18 | 1:30 | 2.7 | 0.26 | 0.48 | 0.23 | 0.03 | 0.18 | 0.01 |
| 19 | 1:35 | 2.4 | 0.23 | 0.48 | 0.21 | 0.02 | 0.16 | 0.02 |
| 20 | 1:40 | 2.7 | 0.26 | 0.48 | 0.23 | 0.03 | 0.18 | 0.02 |
| 21 | 1:45 | 3.3 | 0.32 | 0.48 | 0.29 | 0.03 | 0.22 | 0.02 |
| 22 | 1:50 | 3.1 | 0.30 | 0.48 | 0.27 | 0.03 | 0.21 | 0.02 |
| 23 | 1:55 | 2.9 | 0.28 | 0.48 | 0.25 | 0.03 | 0.19 | 0.02 |
| 24 | 2:00 | 3.0 | 0.29 | 0.48 | 0.26 | 0.03 | 0.20 | 0.02 |
| 25 | 2:05 | 3.1 | 0.30 | 0.48 | 0.27 | 0.03 | 0.21 | 0.02 |
| 26 | 2:10 | 4.2 | 0.40 | 0.48 | 0.36 | 0.04 | 0.28 | 0.03 |
| 27 | 2:15 | 5.0 | 0.48 | 0.48 | 0.43 | 0.05 | 0.33 | 0.03 |
| 28 | 2:20 | 3.5 | 0.34 | 0.48 | 0.30 | 0.03 | 0.23 | 0.03 |
| 29 | 2:25 | 6.8 | 0.65 | 0.48 | 0.59 | 0.17 | 1.20 | 0.03 |
| 30 | 2:30 | 7.3 | 0.70 | 0.48 | 0.63 | 0.22 | 1.53 | 0.04 |
| 31 | 2:35 | 8.2 | 0.79 | 0.48 | 0.71 | 0.31 | 2.14 | 0.06 |
| 32 | 2:40 | 5.9 | 0.57 | 0.48 | 0.51 | 0.09 | 0.60 | 0.07 |
| 33 | 2:45 | 2.0 | 0.19 | 0.48 | 0.17 | 0.02 | 0.13 | 0.07 |
| 34 | 2:50 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.12 | 0.07 |
| 35 | 2:55 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.12 | 0.07 |
| 36 | 3:00 | 0.6 | 0.06 | 0.48 | 0.05 | 0.01 | 0.04 | 0.07 |

# Hydrologic Summary

BUILDING 2
PROP. CONDITION

## Watershed Characteristics

| | | |
|---|---|---|
| Area | (acres) | 6.95 |
| Soil | | C |
| Cover | | Commercial |

## Hydrograph Parameters

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Rainfall - 24-hr | (inches) | 4.0 | 2.6 | 2.2 | 1.6 | |
| Rainfall - 6-hr | (inches) | 2.5 | 1.7 | 1.4 | 1.0 | |
| Rainfall - 3-hr | (inches) | 1.9 | 1.3 | 1.1 | 0.8 | |
| AMC | | III | II | I | I | |
| RI | | 69 | 69 | 69 | 69 | Plate E-6.1 |
| Fp | (in/hr) | 0.21 | 0.40 | 0.60 | 0.60 | Plate E-6.2 |
| Ai | (decimal) | 0.90 | 0.90 | 0.90 | 0.90 | Plate E-6.3 |
| Low Loss | (decimal) | 0.18 | 0.18 | 0.18 | 0.18 | 0.9-(0.8Ai) |
| F | (in/hr) | 0.04 | 0.08 | 0.11 | 0.11 | Fp(1-0.9Ai) |
| Fm | (in/hr) | 0.02 | 0.04 | 0.06 | 0.06 | F/2 |
| C | | 0.00 | 0.00 | 0.00 | 0.00 | (F-Fm)/54 |

## Hydrograph Results

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Peak Flow | (cfs) | 3.54 | 2.00 | 1.40 | 0.83 | 24-hour |
| Peak Flow | (cfs) | 11.40 | 7.41 | 5.75 | 3.88 | 6-hour |
| Peak Flow | (cfs) | 12.72 | 8.36 | 6.73 | 4.68 | 3-hour |
| Total Runoff | (ac-ft) | 1.82 | 1.00 | 0.72 | 0.50 | 24-hour |
| Total Runoff | (ac-ft) | 1.30 | 0.72 | 0.45 | 0.35 | 6-hour |
| Total Runoff | (ac-ft) | 1.02 | 0.62 | 0.44 | 0.27 | 3-hour |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 4.0 |
| AMC | | III |
| RI | | 69.0 |
| Fp | (in/hr) | 0.21 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.04 |
| Fm | (in/hr) | 0.02 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.03 | 0.07 | 0.01 | 0.03 | 0.18 | 0.00 |
| 2 | 0:30 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.27 | 0.01 |
| 3 | 0:45 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.27 | 0.01 |
| 4 | 1:00 | 0.4 | 0.06 | 0.07 | 0.01 | 0.05 | 0.36 | 0.02 |
| 5 | 1:15 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.27 | 0.03 |
| 6 | 1:30 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.27 | 0.03 |
| 7 | 1:45 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.27 | 0.04 |
| 8 | 2:00 | 0.4 | 0.06 | 0.06 | 0.01 | 0.05 | 0.36 | 0.04 |
| 9 | 2:15 | 0.4 | 0.06 | 0.06 | 0.01 | 0.05 | 0.36 | 0.05 |
| 10 | 2:30 | 0.4 | 0.06 | 0.06 | 0.01 | 0.00 | 0.01 | 0.05 |
| 11 | 2:45 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.12 | 0.06 |
| 12 | 3:00 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.13 | 0.06 |
| 13 | 3:15 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.13 | 0.06 |
| 14 | 3:30 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.14 | 0.06 |
| 15 | 3:45 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.14 | 0.07 |
| 16 | 4:00 | 0.6 | 0.10 | 0.06 | 0.02 | 0.04 | 0.26 | 0.07 |
| 17 | 4:15 | 0.6 | 0.10 | 0.06 | 0.02 | 0.04 | 0.26 | 0.08 |
| 18 | 4:30 | 0.7 | 0.11 | 0.06 | 0.02 | 0.05 | 0.38 | 0.08 |
| 19 | 4:45 | 0.7 | 0.11 | 0.06 | 0.02 | 0.06 | 0.39 | 0.09 |
| 20 | 5:00 | 0.8 | 0.13 | 0.06 | 0.02 | 0.07 | 0.50 | 0.10 |
| 21 | 5:15 | 0.6 | 0.10 | 0.06 | 0.02 | 0.04 | 0.28 | 0.11 |
| 22 | 5:30 | 0.7 | 0.11 | 0.05 | 0.02 | 0.06 | 0.40 | 0.12 |
| 23 | 5:45 | 0.8 | 0.13 | 0.05 | 0.02 | 0.07 | 0.52 | 0.12 |
| 24 | 6:00 | 0.8 | 0.13 | 0.05 | 0.02 | 0.08 | 0.52 | 0.14 |
| 25 | 6:15 | 0.9 | 0.14 | 0.05 | 0.03 | 0.09 | 0.64 | 0.15 |
| 26 | 6:30 | 0.9 | 0.14 | 0.05 | 0.03 | 0.09 | 0.64 | 0.16 |
| 27 | 6:45 | 1.0 | 0.16 | 0.05 | 0.03 | 0.11 | 0.76 | 0.18 |
| 28 | 7:00 | 1.0 | 0.16 | 0.05 | 0.03 | 0.11 | 0.76 | 0.19 |
| 29 | 7:15 | 1.0 | 0.16 | 0.05 | 0.03 | 0.11 | 0.77 | 0.21 |
| 30 | 7:30 | 1.1 | 0.18 | 0.05 | 0.03 | 0.13 | 0.88 | 0.22 |
| 31 | 7:45 | 1.2 | 0.19 | 0.05 | 0.03 | 0.14 | 1.00 | 0.24 |
| 32 | 8:00 | 1.3 | 0.21 | 0.05 | 0.04 | 0.16 | 1.12 | 0.27 |
| 33 | 8:15 | 1.5 | 0.24 | 0.05 | 0.04 | 0.19 | 1.34 | 0.29 |
| 34 | 8:30 | 1.5 | 0.24 | 0.05 | 0.04 | 0.19 | 1.35 | 0.32 |
| 35 | 8:45 | 1.6 | 0.26 | 0.05 | 0.05 | 0.21 | 1.46 | 0.35 |
| 36 | 9:00 | 1.7 | 0.27 | 0.04 | 0.05 | 0.23 | 1.58 | 0.38 |
| 37 | 9:15 | 1.9 | 0.30 | 0.04 | 0.05 | 0.26 | 1.81 | 0.41 |
| 38 | 9:30 | 2.0 | 0.32 | 0.04 | 0.06 | 0.28 | 1.92 | 0.45 |
| 39 | 9:45 | 2.1 | 0.34 | 0.04 | 0.06 | 0.29 | 2.04 | 0.49 |
| 40 | 10:00 | 2.2 | 0.35 | 0.04 | 0.06 | 0.31 | 2.15 | 0.54 |
| 41 | 10:15 | 1.5 | 0.24 | 0.04 | 0.04 | 0.20 | 1.38 | 0.57 |
| 42 | 10:30 | 1.5 | 0.24 | 0.04 | 0.04 | 0.20 | 1.38 | 0.60 |
| 43 | 10:45 | 2.0 | 0.32 | 0.04 | 0.06 | 0.28 | 1.94 | 0.64 |
| 44 | 11:00 | 2.0 | 0.32 | 0.04 | 0.06 | 0.28 | 1.95 | 0.68 |
| 45 | 11:15 | 1.9 | 0.30 | 0.04 | 0.05 | 0.26 | 1.84 | 0.72 |
| 46 | 11:30 | 1.9 | 0.30 | 0.04 | 0.05 | 0.27 | 1.84 | 0.75 |
| 47 | 11:45 | 1.7 | 0.27 | 0.04 | 0.05 | 0.23 | 1.62 | 0.79 |
| 48 | 12:00 | 1.8 | 0.29 | 0.04 | 0.05 | 0.25 | 1.74 | 0.82 |
| 49 | 12:15 | 2.5 | 0.40 | 0.04 | 0.07 | 0.36 | 2.52 | 0.87 |
| 50 | 12:30 | 2.6 | 0.42 | 0.04 | 0.07 | 0.38 | 2.64 | 0.92 |
| 51 | 12:45 | 2.8 | 0.45 | 0.04 | 0.08 | 0.41 | 2.86 | 0.98 |
| 52 | 13:00 | 2.9 | 0.46 | 0.04 | 0.08 | 0.43 | 2.98 | 1.04 |
| 53 | 13:15 | 3.4 | 0.54 | 0.03 | 0.10 | 0.51 | 3.54 | 1.11 |
| 54 | 13:30 | 3.4 | 0.54 | 0.03 | 0.10 | 0.51 | 3.54 | 1.18 |
| 55 | 13:45 | 2.3 | 0.37 | 0.03 | 0.07 | 0.33 | 2.32 | 1.24 |
| 56 | 14:00 | 2.3 | 0.37 | 0.03 | 0.07 | 0.33 | 2.33 | 1.29 |
| 57 | 14:15 | 2.7 | 0.43 | 0.03 | 0.08 | 0.40 | 2.77 | 1.34 |
| 58 | 14:30 | 2.6 | 0.42 | 0.03 | 0.07 | 0.38 | 2.67 | 1.40 |
| 59 | 14:45 | 2.6 | 0.42 | 0.03 | 0.07 | 0.38 | 2.67 | 1.45 |
| 60 | 15:00 | 2.5 | 0.40 | 0.03 | 0.07 | 0.37 | 2.56 | 1.51 |
| 61 | 15:15 | 2.4 | 0.38 | 0.03 | 0.07 | 0.35 | 2.45 | 1.56 |
| 62 | 15:30 | 2.3 | 0.37 | 0.03 | 0.07 | 0.34 | 2.35 | 1.61 |
| 63 | 15:45 | 1.9 | 0.30 | 0.03 | 0.05 | 0.27 | 1.90 | 1.65 |
| 64 | 16:00 | 1.9 | 0.30 | 0.03 | 0.05 | 0.27 | 1.91 | 1.69 |
| 65 | 16:15 | 0.4 | 0.06 | 0.03 | 0.01 | 0.03 | 0.24 | 1.71 |
| 66 | 16:30 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 0.25 | 1.72 |
| 67 | 16:45 | 0.3 | 0.05 | 0.03 | 0.01 | 0.02 | 0.14 | 1.72 |
| 68 | 17:00 | 0.3 | 0.05 | 0.03 | 0.01 | 0.02 | 0.14 | 1.72 |
| 69 | 17:15 | 0.5 | 0.08 | 0.03 | 0.01 | 0.05 | 0.37 | 1.73 |
| 70 | 17:30 | 0.5 | 0.08 | 0.03 | 0.01 | 0.05 | 0.37 | 1.74 |
| 71 | 17:45 | 0.5 | 0.08 | 0.03 | 0.01 | 0.05 | 0.37 | 1.74 |
| 72 | 18:00 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 0.26 | 1.75 |
| 73 | 18:15 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 0.27 | 1.76 |
| 74 | 18:30 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 0.27 | 1.76 |
| 75 | 18:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.02 | 0.16 | 1.77 |
| 76 | 19:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.05 | 1.77 |
| 77 | 19:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.02 | 0.17 | 1.77 |
| 78 | 19:30 | 0.4 | 0.06 | 0.02 | 0.01 | 0.04 | 0.28 | 1.78 |
| 79 | 19:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.02 | 0.17 | 1.78 |
| 80 | 20:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.06 | 1.78 |
| 81 | 20:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.17 | 1.79 |
| 82 | 20:30 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.18 | 1.79 |
| 83 | 20:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.18 | 1.79 |
| 84 | 21:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.07 | 1.80 |
| 85 | 21:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.18 | 1.80 |
| 86 | 21:30 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.07 | 1.80 |
| 87 | 21:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.19 | 1.80 |
| 88 | 22:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.08 | 1.81 |
| 89 | 22:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.19 | 1.81 |
| 90 | 22:30 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.08 | 1.81 |
| 91 | 22:45 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.08 | 1.81 |
| 92 | 23:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.08 | 1.81 |
| 93 | 23:15 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.08 | 1.82 |
| 94 | 23:30 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.08 | 1.82 |
| 95 | 23:45 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.08 | 1.82 |
| 96 | 0:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.08 | 1.82 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 2.6 |
| AMC | | II |
| RI | | 69.0 |
| Fp | (in/hr) | 0.40 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.08 |
| Fm | (in/hr) | 0.04 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.13 | 0.00 | 0.02 | 0.12 | 0.00 |
| 2 | 0:30 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.18 | 0.00 |
| 3 | 0:45 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.18 | 0.01 |
| 4 | 1:00 | 0.4 | 0.04 | 0.13 | 0.01 | 0.03 | 0.24 | 0.01 |
| 5 | 1:15 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.18 | 0.02 |
| 6 | 1:30 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.18 | 0.02 |
| 7 | 1:45 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.18 | 0.02 |
| 8 | 2:00 | 0.4 | 0.04 | 0.12 | 0.01 | 0.03 | 0.24 | 0.03 |
| 9 | 2:15 | 0.4 | 0.04 | 0.12 | 0.01 | 0.03 | 0.24 | 0.03 |
| 10 | 2:30 | 0.4 | 0.04 | 0.12 | 0.01 | 0.03 | 0.24 | 0.04 |
| 11 | 2:45 | 0.5 | 0.05 | 0.12 | 0.01 | 0.04 | 0.30 | 0.04 |
| 12 | 3:00 | 0.5 | 0.05 | 0.12 | 0.01 | 0.04 | 0.30 | 0.05 |
| 13 | 3:15 | 0.5 | 0.05 | 0.12 | 0.01 | 0.04 | 0.30 | 0.06 |
| 14 | 3:30 | 0.5 | 0.05 | 0.11 | 0.01 | 0.04 | 0.30 | 0.06 |
| 15 | 3:45 | 0.5 | 0.05 | 0.11 | 0.01 | 0.04 | 0.30 | 0.07 |
| 16 | 4:00 | 0.6 | 0.06 | 0.11 | 0.01 | 0.05 | 0.36 | 0.07 |
| 17 | 4:15 | 0.6 | 0.06 | 0.11 | 0.01 | 0.05 | 0.36 | 0.08 |
| 18 | 4:30 | 0.7 | 0.07 | 0.11 | 0.01 | 0.06 | 0.41 | 0.09 |
| 19 | 4:45 | 0.7 | 0.07 | 0.11 | 0.01 | 0.06 | 0.41 | 0.10 |
| 20 | 5:00 | 0.8 | 0.08 | 0.11 | 0.01 | 0.07 | 0.47 | 0.11 |
| 21 | 5:15 | 0.6 | 0.06 | 0.10 | 0.01 | 0.05 | 0.36 | 0.12 |
| 22 | 5:30 | 0.7 | 0.07 | 0.10 | 0.01 | 0.06 | 0.41 | 0.12 |
| 23 | 5:45 | 0.8 | 0.08 | 0.10 | 0.01 | 0.07 | 0.47 | 0.13 |
| 24 | 6:00 | 0.8 | 0.08 | 0.10 | 0.01 | 0.07 | 0.47 | 0.14 |
| 25 | 6:15 | 0.9 | 0.09 | 0.10 | 0.02 | 0.08 | 0.53 | 0.15 |
| 26 | 6:30 | 0.9 | 0.09 | 0.10 | 0.02 | 0.08 | 0.53 | 0.16 |
| 27 | 6:45 | 1.0 | 0.10 | 0.10 | 0.02 | 0.01 | 0.05 | 0.17 |
| 28 | 7:00 | 1.0 | 0.10 | 0.10 | 0.02 | 0.01 | 0.06 | 0.17 |
| 29 | 7:15 | 1.0 | 0.10 | 0.09 | 0.02 | 0.01 | 0.07 | 0.17 |
| 30 | 7:30 | 1.1 | 0.11 | 0.09 | 0.02 | 0.02 | 0.15 | 0.18 |
| 31 | 7:45 | 1.2 | 0.12 | 0.09 | 0.02 | 0.03 | 0.23 | 0.18 |
| 32 | 8:00 | 1.3 | 0.14 | 0.09 | 0.02 | 0.04 | 0.31 | 0.18 |
| 33 | 8:15 | 1.5 | 0.16 | 0.09 | 0.03 | 0.07 | 0.46 | 0.19 |
| 34 | 8:30 | 1.5 | 0.16 | 0.09 | 0.03 | 0.07 | 0.47 | 0.20 |
| 35 | 8:45 | 1.6 | 0.17 | 0.09 | 0.03 | 0.08 | 0.55 | 0.21 |
| 36 | 9:00 | 1.7 | 0.18 | 0.09 | 0.03 | 0.09 | 0.64 | 0.23 |
| 37 | 9:15 | 1.9 | 0.20 | 0.08 | 0.04 | 0.11 | 0.79 | 0.24 |
| 38 | 9:30 | 2.0 | 0.21 | 0.08 | 0.04 | 0.12 | 0.87 | 0.26 |
| 39 | 9:45 | 2.1 | 0.22 | 0.08 | 0.04 | 0.14 | 0.95 | 0.28 |
| 40 | 10:00 | 2.2 | 0.23 | 0.08 | 0.04 | 0.15 | 1.03 | 0.30 |
| 41 | 10:15 | 1.5 | 0.16 | 0.08 | 0.03 | 0.08 | 0.53 | 0.31 |
| 42 | 10:30 | 1.5 | 0.16 | 0.08 | 0.03 | 0.08 | 0.54 | 0.32 |
| 43 | 10:45 | 2.0 | 0.21 | 0.08 | 0.04 | 0.13 | 0.91 | 0.34 |
| 44 | 11:00 | 2.0 | 0.21 | 0.08 | 0.04 | 0.13 | 0.92 | 0.36 |
| 45 | 11:15 | 1.9 | 0.20 | 0.07 | 0.04 | 0.12 | 0.85 | 0.38 |
| 46 | 11:30 | 1.9 | 0.20 | 0.07 | 0.04 | 0.12 | 0.86 | 0.39 |
| 47 | 11:45 | 1.7 | 0.18 | 0.07 | 0.03 | 0.10 | 0.72 | 0.41 |
| 48 | 12:00 | 1.8 | 0.19 | 0.07 | 0.03 | 0.12 | 0.80 | 0.43 |
| 49 | 12:15 | 2.5 | 0.26 | 0.07 | 0.05 | 0.19 | 1.32 | 0.45 |
| 50 | 12:30 | 2.6 | 0.27 | 0.07 | 0.05 | 0.20 | 1.40 | 0.48 |
| 51 | 12:45 | 2.8 | 0.29 | 0.07 | 0.05 | 0.22 | 1.55 | 0.51 |
| 52 | 13:00 | 2.9 | 0.30 | 0.07 | 0.05 | 0.23 | 1.63 | 0.54 |
| 53 | 13:15 | 3.4 | 0.35 | 0.07 | 0.06 | 0.29 | 2.00 | 0.58 |
| 54 | 13:30 | 3.4 | 0.35 | 0.07 | 0.06 | 0.29 | 2.00 | 0.62 |
| 55 | 13:45 | 2.3 | 0.24 | 0.06 | 0.04 | 0.17 | 1.21 | 0.65 |
| 56 | 14:00 | 2.3 | 0.24 | 0.06 | 0.04 | 0.18 | 1.22 | 0.68 |
| 57 | 14:15 | 2.7 | 0.28 | 0.06 | 0.05 | 0.22 | 1.52 | 0.70 |
| 58 | 14:30 | 2.6 | 0.27 | 0.06 | 0.05 | 0.21 | 1.45 | 0.73 |
| 59 | 14:45 | 2.6 | 0.27 | 0.06 | 0.05 | 0.21 | 1.46 | 0.77 |
| 60 | 15:00 | 2.5 | 0.26 | 0.06 | 0.05 | 0.20 | 1.39 | 0.79 |
| 61 | 15:15 | 2.4 | 0.25 | 0.06 | 0.04 | 0.19 | 1.33 | 0.82 |
| 62 | 15:30 | 2.3 | 0.24 | 0.06 | 0.04 | 0.18 | 1.26 | 0.85 |
| 63 | 15:45 | 1.9 | 0.20 | 0.06 | 0.04 | 0.14 | 0.98 | 0.87 |
| 64 | 16:00 | 1.9 | 0.20 | 0.06 | 0.04 | 0.14 | 0.98 | 0.89 |
| 65 | 16:15 | 0.4 | 0.04 | 0.06 | 0.01 | 0.03 | 0.24 | 0.91 |
| 66 | 16:30 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.24 | 0.91 |
| 67 | 16:45 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 0.18 | 0.91 |
| 68 | 17:00 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 0.18 | 0.92 |
| 69 | 17:15 | 0.5 | 0.05 | 0.05 | 0.01 | 0.00 | 0.00 | 0.92 |
| 70 | 17:30 | 0.5 | 0.05 | 0.05 | 0.01 | 0.00 | 0.01 | 0.92 |
| 71 | 17:45 | 0.5 | 0.05 | 0.05 | 0.01 | 0.00 | 0.01 | 0.92 |
| 72 | 18:00 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.24 | 0.92 |
| 73 | 18:15 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.24 | 0.93 |
| 74 | 18:30 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.24 | 0.93 |
| 75 | 18:45 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 0.18 | 0.94 |
| 76 | 19:00 | 0.2 | 0.02 | 0.05 | 0.00 | 0.02 | 0.12 | 0.94 |
| 77 | 19:15 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 0.18 | 0.94 |
| 78 | 19:30 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.24 | 0.95 |
| 79 | 19:45 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.18 | 0.95 |
| 80 | 20:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.12 | 0.95 |
| 81 | 20:15 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.18 | 0.96 |
| 82 | 20:30 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.18 | 0.96 |
| 83 | 20:45 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.18 | 0.97 |
| 84 | 21:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.12 | 0.97 |
| 85 | 21:15 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.18 | 0.97 |
| 86 | 21:30 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.12 | 0.97 |
| 87 | 21:45 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.18 | 0.98 |
| 88 | 22:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.12 | 0.98 |
| 89 | 22:15 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.18 | 0.98 |
| 90 | 22:30 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.12 | 0.99 |
| 91 | 22:45 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.12 | 0.99 |
| 92 | 23:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.12 | 0.99 |
| 93 | 23:15 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.12 | 0.99 |
| 94 | 23:30 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.12 | 1.00 |
| 95 | 23:45 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.12 | 1.00 |
| 96 | 0:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.12 | 1.00 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 2.2 |
| AMC | | 1 |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |
| Fm | (in/hr) | 0.06 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.20 | 0.00 | 0.01 | 0.10 | 0.00 |
| 2 | 0:30 | 0.3 | 0.03 | 0.20 | 0.00 | 0.02 | 0.15 | 0.00 |
| 3 | 0:45 | 0.3 | 0.03 | 0.20 | 0.00 | 0.02 | 0.15 | 0.01 |
| 4 | 1:00 | 0.4 | 0.04 | 0.19 | 0.01 | 0.03 | 0.20 | 0.01 |
| 5 | 1:15 | 0.3 | 0.03 | 0.19 | 0.00 | 0.02 | 0.15 | 0.01 |
| 6 | 1:30 | 0.3 | 0.03 | 0.19 | 0.00 | 0.02 | 0.15 | 0.02 |
| 7 | 1:45 | 0.3 | 0.03 | 0.19 | 0.00 | 0.02 | 0.15 | 0.02 |
| 8 | 2:00 | 0.4 | 0.04 | 0.19 | 0.01 | 0.03 | 0.20 | 0.02 |
| 9 | 2:15 | 0.4 | 0.04 | 0.18 | 0.01 | 0.03 | 0.20 | 0.03 |
| 10 | 2:30 | 0.4 | 0.04 | 0.18 | 0.01 | 0.03 | 0.20 | 0.03 |
| 11 | 2:45 | 0.5 | 0.04 | 0.18 | 0.01 | 0.04 | 0.25 | 0.04 |
| 12 | 3:00 | 0.5 | 0.04 | 0.18 | 0.01 | 0.04 | 0.25 | 0.04 |
| 13 | 3:15 | 0.5 | 0.04 | 0.17 | 0.01 | 0.04 | 0.25 | 0.05 |
| 14 | 3:30 | 0.5 | 0.04 | 0.17 | 0.01 | 0.04 | 0.25 | 0.05 |
| 15 | 3:45 | 0.5 | 0.04 | 0.17 | 0.01 | 0.04 | 0.25 | 0.06 |
| 16 | 4:00 | 0.6 | 0.05 | 0.17 | 0.01 | 0.04 | 0.30 | 0.06 |
| 17 | 4:15 | 0.6 | 0.05 | 0.17 | 0.01 | 0.04 | 0.30 | 0.07 |
| 18 | 4:30 | 0.7 | 0.06 | 0.16 | 0.01 | 0.05 | 0.35 | 0.08 |
| 19 | 4:45 | 0.7 | 0.06 | 0.16 | 0.01 | 0.05 | 0.35 | 0.08 |
| 20 | 5:00 | 0.8 | 0.07 | 0.16 | 0.01 | 0.06 | 0.40 | 0.09 |
| 21 | 5:15 | 0.6 | 0.05 | 0.16 | 0.01 | 0.04 | 0.30 | 0.10 |
| 22 | 5:30 | 0.7 | 0.06 | 0.16 | 0.01 | 0.05 | 0.35 | 0.11 |
| 23 | 5:45 | 0.8 | 0.07 | 0.15 | 0.01 | 0.06 | 0.40 | 0.11 |
| 24 | 6:00 | 0.8 | 0.07 | 0.15 | 0.01 | 0.06 | 0.40 | 0.12 |
| 25 | 6:15 | 0.9 | 0.08 | 0.15 | 0.01 | 0.06 | 0.45 | 0.13 |
| 26 | 6:30 | 0.9 | 0.08 | 0.15 | 0.01 | 0.06 | 0.45 | 0.14 |
| 27 | 6:45 | 1.0 | 0.09 | 0.15 | 0.02 | 0.07 | 0.50 | 0.15 |
| 28 | 7:00 | 1.0 | 0.09 | 0.14 | 0.02 | 0.07 | 0.50 | 0.16 |
| 29 | 7:15 | 1.0 | 0.09 | 0.14 | 0.02 | 0.07 | 0.50 | 0.17 |
| 30 | 7:30 | 1.1 | 0.10 | 0.14 | 0.02 | 0.08 | 0.55 | 0.18 |
| 31 | 7:45 | 1.2 | 0.11 | 0.14 | 0.02 | 0.09 | 0.60 | 0.19 |
| 32 | 8:00 | 1.3 | 0.11 | 0.14 | 0.02 | 0.09 | 0.65 | 0.21 |
| 33 | 8:15 | 1.5 | 0.13 | 0.13 | 0.02 | 0.11 | 0.75 | 0.22 |
| 34 | 8:30 | 1.5 | 0.13 | 0.13 | 0.02 | 0.00 | 0.00 | 0.23 |
| 35 | 8:45 | 1.6 | 0.14 | 0.13 | 0.03 | 0.01 | 0.08 | 0.23 |
| 36 | 9:00 | 1.7 | 0.15 | 0.13 | 0.03 | 0.02 | 0.15 | 0.23 |
| 37 | 9:15 | 1.9 | 0.17 | 0.13 | 0.03 | 0.04 | 0.28 | 0.24 |
| 38 | 9:30 | 2.0 | 0.18 | 0.12 | 0.03 | 0.05 | 0.36 | 0.24 |
| 39 | 9:45 | 2.1 | 0.18 | 0.12 | 0.03 | 0.06 | 0.43 | 0.25 |
| 40 | 10:00 | 2.2 | 0.19 | 0.12 | 0.03 | 0.07 | 0.50 | 0.26 |
| 41 | 10:15 | 1.5 | 0.13 | 0.12 | 0.02 | 0.01 | 0.09 | 0.27 |
| 42 | 10:30 | 1.5 | 0.13 | 0.12 | 0.02 | 0.01 | 0.10 | 0.27 |
| 43 | 10:45 | 2.0 | 0.18 | 0.12 | 0.03 | 0.06 | 0.42 | 0.27 |
| 44 | 11:00 | 2.0 | 0.18 | 0.11 | 0.03 | 0.06 | 0.43 | 0.28 |
| 45 | 11:15 | 1.9 | 0.17 | 0.11 | 0.03 | 0.05 | 0.38 | 0.29 |
| 46 | 11:30 | 1.9 | 0.17 | 0.11 | 0.03 | 0.06 | 0.39 | 0.30 |
| 47 | 11:45 | 1.7 | 0.15 | 0.11 | 0.03 | 0.04 | 0.28 | 0.31 |
| 48 | 12:00 | 1.8 | 0.16 | 0.11 | 0.03 | 0.05 | 0.35 | 0.31 |
| 49 | 12:15 | 2.5 | 0.22 | 0.11 | 0.04 | 0.11 | 0.79 | 0.32 |
| 50 | 12:30 | 2.6 | 0.23 | 0.10 | 0.04 | 0.12 | 0.87 | 0.34 |
| 51 | 12:45 | 2.8 | 0.25 | 0.10 | 0.04 | 0.14 | 1.00 | 0.36 |
| 52 | 13:00 | 2.9 | 0.26 | 0.10 | 0.05 | 0.15 | 1.07 | 0.38 |
| 53 | 13:15 | 3.4 | 0.30 | 0.10 | 0.05 | 0.20 | 1.39 | 0.41 |
| 54 | 13:30 | 3.4 | 0.30 | 0.10 | 0.05 | 0.20 | 1.40 | 0.44 |
| 55 | 13:45 | 2.3 | 0.20 | 0.10 | 0.04 | 0.11 | 0.73 | 0.46 |
| 56 | 14:00 | 2.3 | 0.20 | 0.10 | 0.04 | 0.11 | 0.75 | 0.47 |
| 57 | 14:15 | 2.7 | 0.24 | 0.09 | 0.04 | 0.14 | 1.00 | 0.49 |
| 58 | 14:30 | 2.6 | 0.23 | 0.09 | 0.04 | 0.14 | 0.95 | 0.51 |
| 59 | 14:45 | 2.6 | 0.23 | 0.09 | 0.04 | 0.14 | 0.96 | 0.53 |
| 60 | 15:00 | 2.5 | 0.22 | 0.09 | 0.04 | 0.13 | 0.91 | 0.55 |
| 61 | 15:15 | 2.4 | 0.21 | 0.09 | 0.04 | 0.12 | 0.86 | 0.57 |
| 62 | 15:30 | 2.3 | 0.20 | 0.09 | 0.04 | 0.12 | 0.80 | 0.59 |
| 63 | 15:45 | 1.9 | 0.17 | 0.09 | 0.03 | 0.08 | 0.57 | 0.60 |
| 64 | 16:00 | 1.9 | 0.17 | 0.08 | 0.03 | 0.08 | 0.58 | 0.61 |
| 65 | 16:15 | 0.4 | 0.04 | 0.08 | 0.01 | 0.03 | 0.20 | 0.62 |
| 66 | 16:30 | 0.4 | 0.04 | 0.08 | 0.01 | 0.03 | 0.20 | 0.62 |
| 67 | 16:45 | 0.3 | 0.03 | 0.08 | 0.00 | 0.02 | 0.15 | 0.63 |
| 68 | 17:00 | 0.3 | 0.03 | 0.08 | 0.00 | 0.02 | 0.15 | 0.63 |
| 69 | 17:15 | 0.5 | 0.04 | 0.08 | 0.01 | 0.04 | 0.25 | 0.63 |
| 70 | 17:30 | 0.5 | 0.04 | 0.08 | 0.01 | 0.04 | 0.25 | 0.64 |
| 71 | 17:45 | 0.5 | 0.04 | 0.08 | 0.01 | 0.04 | 0.25 | 0.65 |
| 72 | 18:00 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 0.20 | 0.65 |
| 73 | 18:15 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 0.20 | 0.65 |
| 74 | 18:30 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 0.20 | 0.66 |
| 75 | 18:45 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 0.15 | 0.66 |
| 76 | 19:00 | 0.2 | 0.02 | 0.07 | 0.00 | 0.01 | 0.10 | 0.66 |
| 77 | 19:15 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 0.15 | 0.67 |
| 78 | 19:30 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 0.20 | 0.67 |
| 79 | 19:45 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 0.15 | 0.67 |
| 80 | 20:00 | 0.2 | 0.02 | 0.07 | 0.00 | 0.01 | 0.10 | 0.68 |
| 81 | 20:15 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 0.15 | 0.68 |
| 82 | 20:30 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.15 | 0.68 |
| 83 | 20:45 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.15 | 0.69 |
| 84 | 21:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.10 | 0.69 |
| 85 | 21:15 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.15 | 0.69 |
| 86 | 21:30 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.10 | 0.69 |
| 87 | 21:45 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.15 | 0.70 |
| 88 | 22:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.10 | 0.70 |
| 89 | 22:15 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.15 | 0.70 |
| 90 | 22:30 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.10 | 0.70 |
| 91 | 22:45 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.10 | 0.71 |
| 92 | 23:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.10 | 0.71 |
| 93 | 23:15 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.10 | 0.71 |
| 94 | 23:30 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.10 | 0.71 |
| 95 | 23:45 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.10 | 0.71 |
| 96 | 0:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.10 | 0.72 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.6 |
| AMC | | I |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |
| Fm | (in/hr) | 0.06 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.01 | 0.20 | 0.00 | 0.01 | 0.07 | 0.00 |
| 2 | 0:30 | 0.3 | 0.02 | 0.20 | 0.00 | 0.02 | 0.11 | 0.00 |
| 3 | 0:45 | 0.3 | 0.02 | 0.20 | 0.00 | 0.02 | 0.11 | 0.00 |
| 4 | 1:00 | 0.4 | 0.03 | 0.19 | 0.00 | 0.02 | 0.15 | 0.01 |
| 5 | 1:15 | 0.3 | 0.02 | 0.19 | 0.00 | 0.02 | 0.11 | 0.01 |
| 6 | 1:30 | 0.3 | 0.02 | 0.19 | 0.00 | 0.02 | 0.11 | 0.01 |
| 7 | 1:45 | 0.3 | 0.02 | 0.19 | 0.00 | 0.02 | 0.11 | 0.01 |
| 8 | 2:00 | 0.4 | 0.03 | 0.19 | 0.00 | 0.02 | 0.15 | 0.02 |
| 9 | 2:15 | 0.4 | 0.03 | 0.18 | 0.00 | 0.02 | 0.15 | 0.02 |
| 10 | 2:30 | 0.4 | 0.03 | 0.18 | 0.00 | 0.02 | 0.15 | 0.02 |
| 11 | 2:45 | 0.5 | 0.03 | 0.18 | 0.01 | 0.03 | 0.18 | 0.03 |
| 12 | 3:00 | 0.5 | 0.03 | 0.18 | 0.01 | 0.03 | 0.18 | 0.03 |
| 13 | 3:15 | 0.5 | 0.03 | 0.17 | 0.01 | 0.03 | 0.18 | 0.03 |
| 14 | 3:30 | 0.5 | 0.03 | 0.17 | 0.01 | 0.03 | 0.18 | 0.04 |
| 15 | 3:45 | 0.5 | 0.03 | 0.17 | 0.01 | 0.03 | 0.18 | 0.04 |
| 16 | 4:00 | 0.6 | 0.04 | 0.17 | 0.01 | 0.03 | 0.22 | 0.05 |
| 17 | 4:15 | 0.6 | 0.04 | 0.17 | 0.01 | 0.03 | 0.22 | 0.05 |
| 18 | 4:30 | 0.7 | 0.04 | 0.16 | 0.01 | 0.04 | 0.26 | 0.06 |
| 19 | 4:45 | 0.7 | 0.04 | 0.16 | 0.01 | 0.04 | 0.26 | 0.06 |
| 20 | 5:00 | 0.8 | 0.05 | 0.16 | 0.01 | 0.04 | 0.29 | 0.07 |
| 21 | 5:15 | 0.6 | 0.04 | 0.16 | 0.01 | 0.03 | 0.22 | 0.07 |
| 22 | 5:30 | 0.7 | 0.04 | 0.16 | 0.01 | 0.04 | 0.26 | 0.08 |
| 23 | 5:45 | 0.8 | 0.05 | 0.15 | 0.01 | 0.04 | 0.29 | 0.08 |
| 24 | 6:00 | 0.8 | 0.05 | 0.15 | 0.01 | 0.04 | 0.29 | 0.09 |
| 25 | 6:15 | 0.9 | 0.06 | 0.15 | 0.01 | 0.05 | 0.33 | 0.09 |
| 26 | 6:30 | 0.9 | 0.06 | 0.15 | 0.01 | 0.05 | 0.33 | 0.10 |
| 27 | 6:45 | 1.0 | 0.06 | 0.15 | 0.01 | 0.05 | 0.36 | 0.11 |
| 28 | 7:00 | 1.0 | 0.06 | 0.14 | 0.01 | 0.05 | 0.36 | 0.12 |
| 29 | 7:15 | 1.0 | 0.06 | 0.14 | 0.01 | 0.05 | 0.36 | 0.12 |
| 30 | 7:30 | 1.1 | 0.07 | 0.14 | 0.01 | 0.06 | 0.40 | 0.13 |
| 31 | 7:45 | 1.2 | 0.08 | 0.14 | 0.01 | 0.06 | 0.44 | 0.14 |
| 32 | 8:00 | 1.3 | 0.08 | 0.14 | 0.01 | 0.07 | 0.47 | 0.15 |
| 33 | 8:15 | 1.5 | 0.10 | 0.13 | 0.02 | 0.08 | 0.55 | 0.16 |
| 34 | 8:30 | 1.5 | 0.10 | 0.13 | 0.02 | 0.08 | 0.55 | 0.17 |
| 35 | 8:45 | 1.6 | 0.10 | 0.13 | 0.02 | 0.08 | 0.58 | 0.18 |
| 36 | 9:00 | 1.7 | 0.11 | 0.13 | 0.02 | 0.09 | 0.62 | 0.20 |
| 37 | 9:15 | 1.9 | 0.12 | 0.13 | 0.02 | 0.10 | 0.69 | 0.21 |
| 38 | 9:30 | 2.0 | 0.13 | 0.12 | 0.02 | 0.00 | 0.02 | 0.22 |
| 39 | 9:45 | 2.1 | 0.13 | 0.12 | 0.02 | 0.01 | 0.08 | 0.22 |
| 40 | 10:00 | 2.2 | 0.14 | 0.12 | 0.03 | 0.02 | 0.14 | 0.22 |
| 41 | 10:15 | 1.5 | 0.10 | 0.12 | 0.02 | 0.08 | 0.55 | 0.23 |
| 42 | 10:30 | 1.5 | 0.10 | 0.12 | 0.02 | 0.08 | 0.55 | 0.24 |
| 43 | 10:45 | 2.0 | 0.13 | 0.12 | 0.02 | 0.01 | 0.08 | 0.24 |
| 44 | 11:00 | 2.0 | 0.13 | 0.11 | 0.02 | 0.01 | 0.10 | 0.25 |
| 45 | 11:15 | 1.9 | 0.12 | 0.11 | 0.02 | 0.01 | 0.06 | 0.25 |
| 46 | 11:30 | 1.9 | 0.12 | 0.11 | 0.02 | 0.01 | 0.08 | 0.25 |
| 47 | 11:45 | 1.7 | 0.11 | 0.11 | 0.02 | 0.09 | 0.62 | 0.26 |
| 48 | 12:00 | 1.8 | 0.12 | 0.11 | 0.02 | 0.01 | 0.05 | 0.26 |
| 49 | 12:15 | 2.5 | 0.16 | 0.11 | 0.03 | 0.05 | 0.38 | 0.27 |
| 50 | 12:30 | 2.6 | 0.17 | 0.10 | 0.03 | 0.06 | 0.43 | 0.28 |
| 51 | 12:45 | 2.8 | 0.18 | 0.10 | 0.03 | 0.08 | 0.53 | 0.29 |
| 52 | 13:00 | 2.9 | 0.19 | 0.10 | 0.03 | 0.08 | 0.59 | 0.30 |
| 53 | 13:15 | 3.4 | 0.22 | 0.10 | 0.04 | 0.12 | 0.82 | 0.31 |
| 54 | 13:30 | 3.4 | 0.22 | 0.10 | 0.04 | 0.12 | 0.83 | 0.33 |
| 55 | 13:45 | 2.3 | 0.15 | 0.10 | 0.03 | 0.05 | 0.35 | 0.34 |
| 56 | 14:00 | 2.3 | 0.15 | 0.10 | 0.03 | 0.05 | 0.36 | 0.35 |
| 57 | 14:15 | 2.7 | 0.17 | 0.09 | 0.03 | 0.08 | 0.55 | 0.36 |
| 58 | 14:30 | 2.6 | 0.17 | 0.09 | 0.03 | 0.07 | 0.52 | 0.37 |
| 59 | 14:45 | 2.6 | 0.17 | 0.09 | 0.03 | 0.08 | 0.52 | 0.38 |
| 60 | 15:00 | 2.5 | 0.16 | 0.09 | 0.03 | 0.07 | 0.49 | 0.39 |
| 61 | 15:15 | 2.4 | 0.15 | 0.09 | 0.03 | 0.07 | 0.46 | 0.40 |
| 62 | 15:30 | 2.3 | 0.15 | 0.09 | 0.03 | 0.06 | 0.42 | 0.41 |
| 63 | 15:45 | 1.9 | 0.12 | 0.09 | 0.02 | 0.04 | 0.25 | 0.42 |
| 64 | 16:00 | 1.9 | 0.12 | 0.08 | 0.02 | 0.04 | 0.26 | 0.42 |
| 65 | 16:15 | 0.4 | 0.03 | 0.08 | 0.00 | 0.02 | 0.15 | 0.43 |
| 66 | 16:30 | 0.4 | 0.03 | 0.08 | 0.00 | 0.02 | 0.15 | 0.43 |
| 67 | 16:45 | 0.3 | 0.02 | 0.08 | 0.00 | 0.02 | 0.11 | 0.43 |
| 68 | 17:00 | 0.3 | 0.02 | 0.08 | 0.00 | 0.02 | 0.11 | 0.43 |
| 69 | 17:15 | 0.5 | 0.03 | 0.08 | 0.01 | 0.03 | 0.18 | 0.44 |
| 70 | 17:30 | 0.5 | 0.03 | 0.08 | 0.01 | 0.03 | 0.18 | 0.44 |
| 71 | 17:45 | 0.5 | 0.03 | 0.08 | 0.01 | 0.03 | 0.18 | 0.44 |
| 72 | 18:00 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 0.15 | 0.45 |
| 73 | 18:15 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 0.15 | 0.45 |
| 74 | 18:30 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 0.15 | 0.45 |
| 75 | 18:45 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.11 | 0.46 |
| 76 | 19:00 | 0.2 | 0.01 | 0.07 | 0.00 | 0.01 | 0.07 | 0.46 |
| 77 | 19:15 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.11 | 0.46 |
| 78 | 19:30 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 0.15 | 0.46 |
| 79 | 19:45 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.11 | 0.47 |
| 80 | 20:00 | 0.2 | 0.01 | 0.07 | 0.00 | 0.01 | 0.07 | 0.47 |
| 81 | 20:15 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.11 | 0.47 |
| 82 | 20:30 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.11 | 0.47 |
| 83 | 20:45 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.11 | 0.47 |
| 84 | 21:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.48 |
| 85 | 21:15 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.11 | 0.48 |
| 86 | 21:30 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.48 |
| 87 | 21:45 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.11 | 0.48 |
| 88 | 22:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.48 |
| 89 | 22:15 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.11 | 0.49 |
| 90 | 22:30 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.49 |
| 91 | 22:45 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.49 |
| 92 | 23:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.49 |
| 93 | 23:15 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.49 |
| 94 | 23:30 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.49 |
| 95 | 23:45 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.49 |
| 96 | 0:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.50 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 2.5 |
| AMC | | III |
| RI | | 69.0 |
| Fp | (in/hr) | 0.21 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.04 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.15 | 0.04 | 0.03 | 0.11 | 0.77 | 0.00 |
| 2 | 0:10 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 0.97 | 0.01 |
| 3 | 0:15 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 0.97 | 0.02 |
| 4 | 0:20 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 0.97 | 0.02 |
| 5 | 0:25 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 0.97 | 0.03 |
| 6 | 0:30 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.18 | 0.04 |
| 7 | 0:35 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.18 | 0.04 |
| 8 | 0:40 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.18 | 0.05 |
| 9 | 0:45 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.18 | 0.06 |
| 10 | 0:50 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.18 | 0.07 |
| 11 | 0:55 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.18 | 0.08 |
| 12 | 1:00 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.39 | 0.09 |
| 13 | 1:05 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.39 | 0.10 |
| 14 | 1:10 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.39 | 0.10 |
| 15 | 1:15 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.39 | 0.11 |
| 16 | 1:20 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.39 | 0.12 |
| 17 | 1:25 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.39 | 0.13 |
| 18 | 1:30 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.39 | 0.14 |
| 19 | 1:35 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.39 | 0.15 |
| 20 | 1:40 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.39 | 0.16 |
| 21 | 1:45 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.39 | 0.17 |
| 22 | 1:50 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.39 | 0.18 |
| 23 | 1:55 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.39 | 0.19 |
| 24 | 2:00 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.60 | 0.20 |
| 25 | 2:05 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.39 | 0.21 |
| 26 | 2:10 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.60 | 0.22 |
| 27 | 2:15 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.60 | 0.23 |
| 28 | 2:20 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.60 | 0.24 |
| 29 | 2:25 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.60 | 0.26 |
| 30 | 2:30 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.60 | 0.27 |
| 31 | 2:35 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.60 | 0.28 |
| 32 | 2:40 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.60 | 0.29 |
| 33 | 2:45 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 1.81 | 0.30 |
| 34 | 2:50 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 1.81 | 0.31 |
| 35 | 2:55 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 1.81 | 0.32 |
| 36 | 3:00 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 1.81 | 0.34 |
| 37 | 3:05 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 1.81 | 0.35 |
| 38 | 3:10 | 1.1 | 0.33 | 0.04 | 0.06 | 0.29 | 2.02 | 0.36 |
| 39 | 3:15 | 1.1 | 0.33 | 0.04 | 0.06 | 0.29 | 2.02 | 0.38 |
| 40 | 3:20 | 1.1 | 0.33 | 0.04 | 0.06 | 0.29 | 2.02 | 0.39 |
| 41 | 3:25 | 1.2 | 0.36 | 0.04 | 0.06 | 0.32 | 2.22 | 0.41 |
| 42 | 3:30 | 1.3 | 0.39 | 0.04 | 0.07 | 0.35 | 2.43 | 0.42 |
| 43 | 3:35 | 1.4 | 0.42 | 0.04 | 0.08 | 0.38 | 2.64 | 0.44 |
| 44 | 3:40 | 1.4 | 0.42 | 0.04 | 0.08 | 0.38 | 2.64 | 0.46 |
| 45 | 3:45 | 1.5 | 0.45 | 0.04 | 0.08 | 0.41 | 2.85 | 0.48 |
| 46 | 3:50 | 1.5 | 0.45 | 0.04 | 0.08 | 0.41 | 2.85 | 0.50 |
| 47 | 3:55 | 1.6 | 0.48 | 0.04 | 0.09 | 0.44 | 3.06 | 0.52 |
| 48 | 4:00 | 1.6 | 0.48 | 0.04 | 0.09 | 0.44 | 3.06 | 0.54 |
| 49 | 4:05 | 1.7 | 0.51 | 0.04 | 0.09 | 0.47 | 3.27 | 0.56 |
| 50 | 4:10 | 1.8 | 0.54 | 0.04 | 0.10 | 0.50 | 3.48 | 0.58 |
| 51 | 4:15 | 1.9 | 0.57 | 0.04 | 0.10 | 0.53 | 3.68 | 0.61 |
| 52 | 4:20 | 2.0 | 0.60 | 0.04 | 0.11 | 0.56 | 3.89 | 0.63 |
| 53 | 4:25 | 2.1 | 0.63 | 0.04 | 0.11 | 0.59 | 4.10 | 0.66 |
| 54 | 4:30 | 2.1 | 0.63 | 0.04 | 0.11 | 0.59 | 4.10 | 0.69 |
| 55 | 4:35 | 2.2 | 0.66 | 0.04 | 0.12 | 0.62 | 4.31 | 0.72 |
| 56 | 4:40 | 2.3 | 0.69 | 0.04 | 0.12 | 0.65 | 4.52 | 0.75 |
| 57 | 4:45 | 2.4 | 0.72 | 0.04 | 0.13 | 0.68 | 4.73 | 0.78 |
| 58 | 4:50 | 2.4 | 0.72 | 0.04 | 0.13 | 0.68 | 4.73 | 0.81 |
| 59 | 4:55 | 2.5 | 0.75 | 0.04 | 0.14 | 0.71 | 4.94 | 0.85 |
| 60 | 5:00 | 2.6 | 0.78 | 0.04 | 0.14 | 0.74 | 5.14 | 0.88 |
| 61 | 5:05 | 3.1 | 0.93 | 0.04 | 0.17 | 0.89 | 6.19 | 0.92 |
| 62 | 5:10 | 3.6 | 1.08 | 0.04 | 0.19 | 1.04 | 7.23 | 0.97 |
| 63 | 5:15 | 3.9 | 1.17 | 0.04 | 0.21 | 1.13 | 7.85 | 1.02 |
| 64 | 5:20 | 4.2 | 1.26 | 0.04 | 0.23 | 1.22 | 8.48 | 1.07 |
| 65 | 5:25 | 4.7 | 1.41 | 0.04 | 0.25 | 1.37 | 9.52 | 1.14 |
| 66 | 5:30 | 5.6 | 1.68 | 0.04 | 0.30 | 1.64 | 11.40 | 1.21 |
| 67 | 5:35 | 1.9 | 0.57 | 0.04 | 0.10 | 0.53 | 3.68 | 1.26 |
| 68 | 5:40 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.60 | 1.28 |
| 69 | 5:45 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 0.97 | 1.29 |
| 70 | 5:50 | 0.5 | 0.15 | 0.04 | 0.03 | 0.11 | 0.77 | 1.29 |
| 71 | 5:55 | 0.3 | 0.09 | 0.04 | 0.02 | 0.05 | 0.35 | 1.30 |
| 72 | 6:00 | 0.2 | 0.06 | 0.04 | 0.01 | 0.02 | 0.14 | 1.30 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.7 |
| AMC | | II |
| RI | | 69.0 |
| Fp | (in/hr) | 0.40 |
| At | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.08 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.10 | 0.08 | 0.02 | 0.03 | 0.18 | 0.00 |
| 2 | 0:10 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.32 | 0.00 |
| 3 | 0:15 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.32 | 0.00 |
| 4 | 0:20 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.32 | 0.01 |
| 5 | 0:25 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.32 | 0.01 |
| 6 | 0:30 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.46 | 0.01 |
| 7 | 0:35 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.46 | 0.01 |
| 8 | 0:40 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.46 | 0.02 |
| 9 | 0:45 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.46 | 0.02 |
| 10 | 0:50 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.46 | 0.02 |
| 11 | 0:55 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.46 | 0.03 |
| 12 | 1:00 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.61 | 0.03 |
| 13 | 1:05 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.61 | 0.04 |
| 14 | 1:10 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.61 | 0.04 |
| 15 | 1:15 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.61 | 0.04 |
| 16 | 1:20 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.61 | 0.05 |
| 17 | 1:25 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.61 | 0.05 |
| 18 | 1:30 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.61 | 0.06 |
| 19 | 1:35 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.61 | 0.06 |
| 20 | 1:40 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.61 | 0.06 |
| 21 | 1:45 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.61 | 0.07 |
| 22 | 1:50 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.61 | 0.07 |
| 23 | 1:55 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.61 | 0.08 |
| 24 | 2:00 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.75 | 0.08 |
| 25 | 2:05 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.61 | 0.09 |
| 26 | 2:10 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.75 | 0.09 |
| 27 | 2:15 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.75 | 0.10 |
| 28 | 2:20 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.75 | 0.10 |
| 29 | 2:25 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.75 | 0.11 |
| 30 | 2:30 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.75 | 0.11 |
| 31 | 2:35 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.75 | 0.12 |
| 32 | 2:40 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.75 | 0.12 |
| 33 | 2:45 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 0.89 | 0.13 |
| 34 | 2:50 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 0.89 | 0.13 |
| 35 | 2:55 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 0.89 | 0.14 |
| 36 | 3:00 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 0.89 | 0.15 |
| 37 | 3:05 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 0.89 | 0.15 |
| 38 | 3:10 | 1.1 | 0.22 | 0.08 | 0.04 | 0.15 | 1.03 | 0.16 |
| 39 | 3:15 | 1.1 | 0.22 | 0.08 | 0.04 | 0.15 | 1.03 | 0.17 |
| 40 | 3:20 | 1.1 | 0.22 | 0.08 | 0.04 | 0.15 | 1.03 | 0.17 |
| 41 | 3:25 | 1.2 | 0.24 | 0.08 | 0.04 | 0.17 | 1.17 | 0.18 |
| 42 | 3:30 | 1.3 | 0.27 | 0.08 | 0.05 | 0.19 | 1.31 | 0.19 |
| 43 | 3:35 | 1.4 | 0.29 | 0.08 | 0.05 | 0.21 | 1.46 | 0.20 |
| 44 | 3:40 | 1.4 | 0.29 | 0.08 | 0.05 | 0.21 | 1.46 | 0.21 |
| 45 | 3:45 | 1.5 | 0.31 | 0.08 | 0.06 | 0.23 | 1.60 | 0.22 |
| 46 | 3:50 | 1.5 | 0.31 | 0.08 | 0.06 | 0.23 | 1.60 | 0.23 |
| 47 | 3:55 | 1.6 | 0.33 | 0.08 | 0.06 | 0.25 | 1.74 | 0.24 |
| 48 | 4:00 | 1.6 | 0.33 | 0.08 | 0.06 | 0.25 | 1.74 | 0.25 |
| 49 | 4:05 | 1.7 | 0.35 | 0.08 | 0.06 | 0.27 | 1.88 | 0.27 |
| 50 | 4:10 | 1.8 | 0.37 | 0.08 | 0.07 | 0.29 | 2.02 | 0.28 |
| 51 | 4:15 | 1.9 | 0.39 | 0.08 | 0.07 | 0.31 | 2.17 | 0.29 |
| 52 | 4:20 | 2.0 | 0.41 | 0.08 | 0.07 | 0.33 | 2.31 | 0.31 |
| 53 | 4:25 | 2.1 | 0.43 | 0.08 | 0.08 | 0.35 | 2.45 | 0.33 |
| 54 | 4:30 | 2.1 | 0.43 | 0.08 | 0.08 | 0.35 | 2.45 | 0.34 |
| 55 | 4:35 | 2.2 | 0.45 | 0.08 | 0.08 | 0.37 | 2.59 | 0.36 |
| 56 | 4:40 | 2.3 | 0.47 | 0.08 | 0.08 | 0.39 | 2.73 | 0.38 |
| 57 | 4:45 | 2.4 | 0.49 | 0.08 | 0.09 | 0.41 | 2.87 | 0.40 |
| 58 | 4:50 | 2.4 | 0.49 | 0.08 | 0.09 | 0.41 | 2.87 | 0.42 |
| 59 | 4:55 | 2.5 | 0.51 | 0.08 | 0.09 | 0.43 | 3.02 | 0.44 |
| 60 | 5:00 | 2.6 | 0.53 | 0.08 | 0.10 | 0.45 | 3.16 | 0.46 |
| 61 | 5:05 | 3.1 | 0.63 | 0.08 | 0.11 | 0.56 | 3.87 | 0.48 |
| 62 | 5:10 | 3.6 | 0.73 | 0.08 | 0.13 | 0.66 | 4.58 | 0.51 |
| 63 | 5:15 | 3.9 | 0.80 | 0.08 | 0.14 | 0.72 | 5.00 | 0.55 |
| 64 | 5:20 | 4.2 | 0.86 | 0.08 | 0.15 | 0.78 | 5.43 | 0.58 |
| 65 | 5:25 | 4.7 | 0.96 | 0.08 | 0.17 | 0.88 | 6.14 | 0.62 |
| 66 | 5:30 | 5.6 | 1.14 | 0.08 | 0.21 | 1.07 | 7.41 | 0.67 |
| 67 | 5:35 | 1.9 | 0.39 | 0.08 | 0.07 | 0.31 | 2.17 | 0.70 |
| 68 | 5:40 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.75 | 0.71 |
| 69 | 5:45 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.32 | 0.71 |
| 70 | 5:50 | 0.5 | 0.10 | 0.08 | 0.02 | 0.03 | 0.18 | 0.72 |
| 71 | 5:55 | 0.3 | 0.06 | 0.08 | 0.01 | 0.05 | 0.35 | 0.72 |
| 72 | 6:00 | 0.2 | 0.04 | 0.08 | 0.01 | 0.03 | 0.23 | 0.72 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.4 |
| AMC | | 1 |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.08 | 0.11 | 0.02 | 0.07 | 0.48 | 0.00 |
| 2 | 0:10 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.57 | 0.01 |
| 3 | 0:15 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.57 | 0.01 |
| 4 | 0:20 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.57 | 0.01 |
| 5 | 0:25 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.57 | 0.02 |
| 6 | 0:30 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.03 | 0.02 |
| 7 | 0:35 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.03 | 0.02 |
| 8 | 0:40 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.03 | 0.02 |
| 9 | 0:45 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.03 | 0.02 |
| 10 | 0:50 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.03 | 0.02 |
| 11 | 0:55 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.03 | 0.02 |
| 12 | 1:00 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.14 | 0.02 |
| 13 | 1:05 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.14 | 0.02 |
| 14 | 1:10 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.14 | 0.02 |
| 15 | 1:15 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.14 | 0.02 |
| 16 | 1:20 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.14 | 0.02 |
| 17 | 1:25 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.14 | 0.03 |
| 18 | 1:30 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.14 | 0.03 |
| 19 | 1:35 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.14 | 0.03 |
| 20 | 1:40 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.14 | 0.03 |
| 21 | 1:45 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.14 | 0.03 |
| 22 | 1:50 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.14 | 0.03 |
| 23 | 1:55 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.14 | 0.03 |
| 24 | 2:00 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.26 | 0.03 |
| 25 | 2:05 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.14 | 0.03 |
| 26 | 2:10 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.26 | 0.04 |
| 27 | 2:15 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.26 | 0.04 |
| 28 | 2:20 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.26 | 0.04 |
| 29 | 2:25 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.26 | 0.04 |
| 30 | 2:30 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.26 | 0.04 |
| 31 | 2:35 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.26 | 0.04 |
| 32 | 2:40 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.26 | 0.05 |
| 33 | 2:45 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.38 | 0.05 |
| 34 | 2:50 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.38 | 0.05 |
| 35 | 2:55 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.38 | 0.05 |
| 36 | 3:00 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.38 | 0.06 |
| 37 | 3:05 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.38 | 0.06 |
| 38 | 3:10 | 1.1 | 0.18 | 0.11 | 0.03 | 0.07 | 0.49 | 0.06 |
| 39 | 3:15 | 1.1 | 0.18 | 0.11 | 0.03 | 0.07 | 0.49 | 0.07 |
| 40 | 3:20 | 1.1 | 0.18 | 0.11 | 0.03 | 0.07 | 0.49 | 0.07 |
| 41 | 3:25 | 1.2 | 0.20 | 0.11 | 0.04 | 0.09 | 0.61 | 0.07 |
| 42 | 3:30 | 1.3 | 0.22 | 0.11 | 0.04 | 0.10 | 0.73 | 0.08 |
| 43 | 3:35 | 1.4 | 0.24 | 0.11 | 0.04 | 0.12 | 0.84 | 0.08 |
| 44 | 3:40 | 1.4 | 0.24 | 0.11 | 0.04 | 0.12 | 0.84 | 0.09 |
| 45 | 3:45 | 1.5 | 0.25 | 0.11 | 0.05 | 0.14 | 0.96 | 0.09 |
| 46 | 3:50 | 1.5 | 0.25 | 0.11 | 0.05 | 0.14 | 0.96 | 0.10 |
| 47 | 3:55 | 1.6 | 0.27 | 0.11 | 0.05 | 0.15 | 1.08 | 0.11 |
| 48 | 4:00 | 1.6 | 0.27 | 0.11 | 0.05 | 0.15 | 1.08 | 0.12 |
| 49 | 4:05 | 1.7 | 0.29 | 0.11 | 0.05 | 0.17 | 1.19 | 0.12 |
| 50 | 4:10 | 1.8 | 0.30 | 0.11 | 0.05 | 0.19 | 1.31 | 0.13 |
| 51 | 4:15 | 1.9 | 0.32 | 0.11 | 0.06 | 0.21 | 1.43 | 0.14 |
| 52 | 4:20 | 2.0 | 0.34 | 0.11 | 0.06 | 0.22 | 1.54 | 0.15 |
| 53 | 4:25 | 2.1 | 0.35 | 0.11 | 0.06 | 0.24 | 1.66 | 0.16 |
| 54 | 4:30 | 2.1 | 0.35 | 0.11 | 0.06 | 0.24 | 1.66 | 0.17 |
| 55 | 4:35 | 2.2 | 0.37 | 0.11 | 0.07 | 0.26 | 1.78 | 0.19 |
| 56 | 4:40 | 2.3 | 0.39 | 0.11 | 0.07 | 0.27 | 1.89 | 0.20 |
| 57 | 4:45 | 2.4 | 0.40 | 0.11 | 0.07 | 0.29 | 2.01 | 0.21 |
| 58 | 4:50 | 2.4 | 0.40 | 0.11 | 0.07 | 0.29 | 2.01 | 0.23 |
| 59 | 4:55 | 2.5 | 0.42 | 0.11 | 0.08 | 0.31 | 2.13 | 0.24 |
| 60 | 5:00 | 2.6 | 0.44 | 0.11 | 0.08 | 0.32 | 2.24 | 0.25 |
| 61 | 5:05 | 3.1 | 0.52 | 0.11 | 0.09 | 0.41 | 2.83 | 0.27 |
| 62 | 5:10 | 3.6 | 0.60 | 0.11 | 0.11 | 0.49 | 3.41 | 0.29 |
| 63 | 5:15 | 3.9 | 0.66 | 0.11 | 0.12 | 0.54 | 3.76 | 0.32 |
| 64 | 5:20 | 4.2 | 0.71 | 0.11 | 0.13 | 0.59 | 4.11 | 0.35 |
| 65 | 5:25 | 4.7 | 0.79 | 0.11 | 0.14 | 0.68 | 4.70 | 0.38 |
| 66 | 5:30 | 5.6 | 0.94 | 0.11 | 0.17 | 0.83 | 5.75 | 0.41 |
| 67 | 5:35 | 1.9 | 0.32 | 0.11 | 0.06 | 0.21 | 1.43 | 0.44 |
| 68 | 5:40 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.26 | 0.44 |
| 69 | 5:45 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.57 | 0.45 |
| 70 | 5:50 | 0.5 | 0.08 | 0.11 | 0.02 | 0.07 | 0.48 | 0.45 |
| 71 | 5:55 | 0.3 | 0.05 | 0.11 | 0.01 | 0.04 | 0.29 | 0.45 |
| 72 | 6:00 | 0.2 | 0.03 | 0.11 | 0.01 | 0.03 | 0.19 | 0.45 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.0 |
| AMC | | I |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.06 | 0.11 | 0.01 | 0.05 | 0.34 | 0.00 |
| 2 | 0:10 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.41 | 0.00 |
| 3 | 0:15 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.41 | 0.01 |
| 4 | 0:20 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.41 | 0.01 |
| 5 | 0:25 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.41 | 0.01 |
| 6 | 0:30 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.48 | 0.02 |
| 7 | 0:35 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.48 | 0.02 |
| 8 | 0:40 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.48 | 0.02 |
| 9 | 0:45 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.48 | 0.03 |
| 10 | 0:50 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.48 | 0.03 |
| 11 | 0:55 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.48 | 0.03 |
| 12 | 1:00 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.55 | 0.04 |
| 13 | 1:05 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.55 | 0.04 |
| 14 | 1:10 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.55 | 0.04 |
| 15 | 1:15 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.55 | 0.05 |
| 16 | 1:20 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.55 | 0.05 |
| 17 | 1:25 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.55 | 0.05 |
| 18 | 1:30 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.55 | 0.06 |
| 19 | 1:35 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.55 | 0.06 |
| 20 | 1:40 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.55 | 0.07 |
| 21 | 1:45 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.55 | 0.07 |
| 22 | 1:50 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.55 | 0.07 |
| 23 | 1:55 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.55 | 0.08 |
| 24 | 2:00 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.62 | 0.08 |
| 25 | 2:05 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.55 | 0.08 |
| 26 | 2:10 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.62 | 0.09 |
| 27 | 2:15 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.62 | 0.09 |
| 28 | 2:20 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.62 | 0.10 |
| 29 | 2:25 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.62 | 0.10 |
| 30 | 2:30 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.62 | 0.11 |
| 31 | 2:35 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.62 | 0.11 |
| 32 | 2:40 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.62 | 0.11 |
| 33 | 2:45 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.04 | 0.12 |
| 34 | 2:50 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.04 | 0.12 |
| 35 | 2:55 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.04 | 0.12 |
| 36 | 3:00 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.04 | 0.12 |
| 37 | 3:05 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.04 | 0.12 |
| 38 | 3:10 | 1.1 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.12 |
| 39 | 3:15 | 1.1 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.12 |
| 40 | 3:20 | 1.1 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.12 |
| 41 | 3:25 | 1.2 | 0.14 | 0.11 | 0.03 | 0.03 | 0.21 | 0.12 |
| 42 | 3:30 | 1.3 | 0.16 | 0.11 | 0.03 | 0.04 | 0.29 | 0.12 |
| 43 | 3:35 | 1.4 | 0.17 | 0.11 | 0.03 | 0.05 | 0.38 | 0.13 |
| 44 | 3:40 | 1.4 | 0.17 | 0.11 | 0.03 | 0.05 | 0.38 | 0.13 |
| 45 | 3:45 | 1.5 | 0.18 | 0.11 | 0.03 | 0.07 | 0.46 | 0.13 |
| 46 | 3:50 | 1.5 | 0.18 | 0.11 | 0.03 | 0.07 | 0.46 | 0.13 |
| 47 | 3:55 | 1.6 | 0.19 | 0.11 | 0.03 | 0.08 | 0.54 | 0.14 |
| 48 | 4:00 | 1.6 | 0.19 | 0.11 | 0.03 | 0.08 | 0.54 | 0.14 |
| 49 | 4:05 | 1.7 | 0.20 | 0.11 | 0.04 | 0.09 | 0.63 | 0.14 |
| 50 | 4:10 | 1.8 | 0.22 | 0.11 | 0.04 | 0.10 | 0.71 | 0.15 |
| 51 | 4:15 | 1.9 | 0.23 | 0.11 | 0.04 | 0.11 | 0.79 | 0.15 |
| 52 | 4:20 | 2.0 | 0.24 | 0.11 | 0.04 | 0.13 | 0.88 | 0.16 |
| 53 | 4:25 | 2.1 | 0.25 | 0.11 | 0.05 | 0.14 | 0.96 | 0.17 |
| 54 | 4:30 | 2.1 | 0.25 | 0.11 | 0.05 | 0.14 | 0.96 | 0.17 |
| 55 | 4:35 | 2.2 | 0.26 | 0.11 | 0.05 | 0.15 | 1.04 | 0.18 |
| 56 | 4:40 | 2.3 | 0.28 | 0.11 | 0.05 | 0.16 | 1.13 | 0.19 |
| 57 | 4:45 | 2.4 | 0.29 | 0.11 | 0.05 | 0.17 | 1.21 | 0.20 |
| 58 | 4:50 | 2.4 | 0.29 | 0.11 | 0.05 | 0.17 | 1.21 | 0.20 |
| 59 | 4:55 | 2.5 | 0.30 | 0.11 | 0.05 | 0.19 | 1.29 | 0.21 |
| 60 | 5:00 | 2.6 | 0.31 | 0.11 | 0.06 | 0.20 | 1.38 | 0.22 |
| 61 | 5:05 | 3.1 | 0.37 | 0.11 | 0.07 | 0.26 | 1.79 | 0.23 |
| 62 | 5:10 | 3.6 | 0.43 | 0.11 | 0.08 | 0.32 | 2.21 | 0.25 |
| 63 | 5:15 | 3.9 | 0.47 | 0.11 | 0.08 | 0.35 | 2.46 | 0.26 |
| 64 | 5:20 | 4.2 | 0.50 | 0.11 | 0.09 | 0.39 | 2.71 | 0.28 |
| 65 | 5:25 | 4.7 | 0.56 | 0.11 | 0.10 | 0.45 | 3.13 | 0.30 |
| 66 | 5:30 | 5.6 | 0.67 | 0.11 | 0.12 | 0.56 | 3.88 | 0.32 |
| 67 | 5:35 | 1.9 | 0.23 | 0.11 | 0.04 | 0.11 | 0.79 | 0.34 |
| 68 | 5:40 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.62 | 0.35 |
| 69 | 5:45 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.41 | 0.35 |
| 70 | 5:50 | 0.5 | 0.06 | 0.11 | 0.01 | 0.05 | 0.34 | 0.35 |
| 71 | 5:55 | 0.3 | 0.04 | 0.11 | 0.01 | 0.03 | 0.21 | 0.35 |
| 72 | 6:00 | 0.2 | 0.02 | 0.11 | 0.00 | 0.02 | 0.14 | 0.35 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.9 |
| AMC | | III |
| RI | | 69.0 |
| Fp | (in/hr) | 0.21 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.04 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.30 | 0.04 | 0.05 | 0.26 | 1.78 | 0.01 |
| 2 | 0:10 | 1.3 | 0.30 | 0.04 | 0.05 | 0.26 | 1.78 | 0.02 |
| 3 | 0:15 | 1.1 | 0.25 | 0.04 | 0.05 | 0.21 | 1.47 | 0.03 |
| 4 | 0:20 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 2.10 | 0.04 |
| 5 | 0:25 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 2.10 | 0.06 |
| 6 | 0:30 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 2.57 | 0.07 |
| 7 | 0:35 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 2.10 | 0.09 |
| 8 | 0:40 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 2.57 | 0.10 |
| 9 | 0:45 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 2.57 | 0.12 |
| 10 | 0:50 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 2.10 | 0.14 |
| 11 | 0:55 | 1.6 | 0.36 | 0.04 | 0.07 | 0.32 | 2.26 | 0.15 |
| 12 | 1:00 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 2.57 | 0.17 |
| 13 | 1:05 | 2.2 | 0.50 | 0.04 | 0.09 | 0.46 | 3.21 | 0.19 |
| 14 | 1:10 | 2.2 | 0.50 | 0.04 | 0.09 | 0.46 | 3.21 | 0.21 |
| 15 | 1:15 | 2.2 | 0.50 | 0.04 | 0.09 | 0.46 | 3.21 | 0.23 |
| 16 | 1:20 | 2.0 | 0.46 | 0.04 | 0.08 | 0.42 | 2.89 | 0.26 |
| 17 | 1:25 | 2.6 | 0.59 | 0.04 | 0.11 | 0.55 | 3.84 | 0.28 |
| 18 | 1:30 | 2.7 | 0.62 | 0.04 | 0.11 | 0.58 | 4.00 | 0.31 |
| 19 | 1:35 | 2.4 | 0.55 | 0.04 | 0.10 | 0.51 | 3.53 | 0.33 |
| 20 | 1:40 | 2.7 | 0.62 | 0.04 | 0.11 | 0.58 | 4.00 | 0.36 |
| 21 | 1:45 | 3.3 | 0.75 | 0.04 | 0.14 | 0.71 | 4.95 | 0.39 |
| 22 | 1:50 | 3.1 | 0.71 | 0.04 | 0.13 | 0.67 | 4.63 | 0.42 |
| 23 | 1:55 | 2.9 | 0.66 | 0.04 | 0.12 | 0.62 | 4.32 | 0.45 |
| 24 | 2:00 | 3.0 | 0.68 | 0.04 | 0.12 | 0.64 | 4.48 | 0.48 |
| 25 | 2:05 | 3.1 | 0.71 | 0.04 | 0.13 | 0.67 | 4.63 | 0.51 |
| 26 | 2:10 | 4.2 | 0.96 | 0.04 | 0.17 | 0.92 | 6.38 | 0.55 |
| 27 | 2:15 | 5.0 | 1.14 | 0.04 | 0.21 | 1.10 | 7.65 | 0.60 |
| 28 | 2:20 | 3.5 | 0.80 | 0.04 | 0.14 | 0.76 | 5.27 | 0.64 |
| 29 | 2:25 | 6.8 | 1.55 | 0.04 | 0.28 | 1.51 | 10.50 | 0.70 |
| 30 | 2:30 | 7.3 | 1.66 | 0.04 | 0.30 | 1.62 | 11.29 | 0.77 |
| 31 | 2:35 | 8.2 | 1.87 | 0.04 | 0.34 | 1.83 | 12.72 | 0.86 |
| 32 | 2:40 | 5.9 | 1.35 | 0.04 | 0.24 | 1.31 | 9.07 | 0.93 |
| 33 | 2:45 | 2.0 | 0.46 | 0.04 | 0.08 | 0.42 | 2.89 | 0.97 |
| 34 | 2:50 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 2.57 | 0.99 |
| 35 | 2:55 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 2.57 | 1.01 |
| 36 | 3:00 | 0.6 | 0.14 | 0.04 | 0.02 | 0.10 | 0.67 | 1.02 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.3 |
| AMC | | II |
| RI | | 69.0 |
| Fp | (in/hr) | 0.40 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.08 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.20 | 0.08 | 0.04 | 0.13 | 0.88 | 0.00 |
| 2 | 0:10 | 1.3 | 0.20 | 0.08 | 0.04 | 0.13 | 0.88 | 0.01 |
| 3 | 0:15 | 1.1 | 0.17 | 0.08 | 0.03 | 0.10 | 0.66 | 0.01 |
| 4 | 0:20 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 1.10 | 0.02 |
| 5 | 0:25 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 1.10 | 0.03 |
| 6 | 0:30 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.42 | 0.04 |
| 7 | 0:35 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 1.10 | 0.05 |
| 8 | 0:40 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.42 | 0.05 |
| 9 | 0:45 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.42 | 0.06 |
| 10 | 0:50 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 1.10 | 0.07 |
| 11 | 0:55 | 1.6 | 0.25 | 0.08 | 0.04 | 0.17 | 1.21 | 0.08 |
| 12 | 1:00 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.42 | 0.09 |
| 13 | 1:05 | 2.2 | 0.34 | 0.08 | 0.06 | 0.27 | 1.86 | 0.10 |
| 14 | 1:10 | 2.2 | 0.34 | 0.08 | 0.06 | 0.27 | 1.86 | 0.11 |
| 15 | 1:15 | 2.2 | 0.34 | 0.08 | 0.06 | 0.27 | 1.86 | 0.13 |
| 16 | 1:20 | 2.0 | 0.31 | 0.08 | 0.06 | 0.24 | 1.64 | 0.14 |
| 17 | 1:25 | 2.6 | 0.41 | 0.08 | 0.07 | 0.33 | 2.29 | 0.15 |
| 18 | 1:30 | 2.7 | 0.42 | 0.08 | 0.08 | 0.35 | 2.40 | 0.17 |
| 19 | 1:35 | 2.4 | 0.37 | 0.08 | 0.07 | 0.30 | 2.07 | 0.18 |
| 20 | 1:40 | 2.7 | 0.42 | 0.08 | 0.08 | 0.35 | 2.40 | 0.20 |
| 21 | 1:45 | 3.3 | 0.51 | 0.08 | 0.09 | 0.44 | 3.05 | 0.22 |
| 22 | 1:50 | 3.1 | 0.48 | 0.08 | 0.09 | 0.41 | 2.83 | 0.24 |
| 23 | 1:55 | 2.9 | 0.45 | 0.08 | 0.08 | 0.38 | 2.62 | 0.26 |
| 24 | 2:00 | 3.0 | 0.47 | 0.08 | 0.08 | 0.39 | 2.72 | 0.28 |
| 25 | 2:05 | 3.1 | 0.48 | 0.08 | 0.09 | 0.41 | 2.83 | 0.29 |
| 26 | 2:10 | 4.2 | 0.66 | 0.08 | 0.12 | 0.58 | 4.03 | 0.32 |
| 27 | 2:15 | 5.0 | 0.78 | 0.08 | 0.14 | 0.70 | 4.89 | 0.35 |
| 28 | 2:20 | 3.5 | 0.55 | 0.08 | 0.10 | 0.47 | 3.27 | 0.38 |
| 29 | 2:25 | 6.8 | 1.06 | 0.08 | 0.19 | 0.98 | 6.84 | 0.41 |
| 30 | 2:30 | 7.3 | 1.14 | 0.08 | 0.20 | 1.06 | 7.39 | 0.46 |
| 31 | 2:35 | 8.2 | 1.28 | 0.08 | 0.23 | 1.20 | 8.36 | 0.51 |
| 32 | 2:40 | 5.9 | 0.92 | 0.08 | 0.17 | 0.84 | 5.87 | 0.56 |
| 33 | 2:45 | 2.0 | 0.31 | 0.08 | 0.06 | 0.24 | 1.64 | 0.59 |
| 34 | 2:50 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.42 | 0.60 |
| 35 | 2:55 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.42 | 0.61 |
| 36 | 3:00 | 0.6 | 0.09 | 0.08 | 0.02 | 0.02 | 0.12 | 0.62 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.1 |
| AMC | | I |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.17 | 0.11 | 0.03 | 0.06 | 0.40 | 0.00 |
| 2 | 0:10 | 1.3 | 0.17 | 0.11 | 0.03 | 0.06 | 0.40 | 0.00 |
| 3 | 0:15 | 1.1 | 0.15 | 0.11 | 0.03 | 0.03 | 0.22 | 0.01 |
| 4 | 0:20 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 0.58 | 0.01 |
| 5 | 0:25 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 0.58 | 0.01 |
| 6 | 0:30 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 0.86 | 0.02 |
| 7 | 0:35 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 0.58 | 0.02 |
| 8 | 0:40 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 0.86 | 0.03 |
| 9 | 0:45 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 0.86 | 0.03 |
| 10 | 0:50 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 0.58 | 0.04 |
| 11 | 0:55 | 1.6 | 0.21 | 0.11 | 0.04 | 0.10 | 0.68 | 0.04 |
| 12 | 1:00 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 0.86 | 0.05 |
| 13 | 1:05 | 2.2 | 0.29 | 0.11 | 0.05 | 0.18 | 1.23 | 0.06 |
| 14 | 1:10 | 2.2 | 0.29 | 0.11 | 0.05 | 0.18 | 1.23 | 0.06 |
| 15 | 1:15 | 2.2 | 0.29 | 0.11 | 0.05 | 0.18 | 1.23 | 0.07 |
| 16 | 1:20 | 2.0 | 0.26 | 0.11 | 0.05 | 0.15 | 1.04 | 0.08 |
| 17 | 1:25 | 2.6 | 0.34 | 0.11 | 0.06 | 0.23 | 1.59 | 0.09 |
| 18 | 1:30 | 2.7 | 0.36 | 0.11 | 0.06 | 0.24 | 1.68 | 0.10 |
| 19 | 1:35 | 2.4 | 0.32 | 0.11 | 0.06 | 0.20 | 1.41 | 0.11 |
| 20 | 1:40 | 2.7 | 0.36 | 0.11 | 0.06 | 0.24 | 1.68 | 0.12 |
| 21 | 1:45 | 3.3 | 0.44 | 0.11 | 0.08 | 0.32 | 2.24 | 0.14 |
| 22 | 1:50 | 3.1 | 0.41 | 0.11 | 0.07 | 0.30 | 2.05 | 0.15 |
| 23 | 1:55 | 2.9 | 0.38 | 0.11 | 0.07 | 0.27 | 1.87 | 0.16 |
| 24 | 2:00 | 3.0 | 0.40 | 0.11 | 0.07 | 0.28 | 1.96 | 0.18 |
| 25 | 2:05 | 3.1 | 0.41 | 0.11 | 0.07 | 0.30 | 2.05 | 0.19 |
| 26 | 2:10 | 4.2 | 0.55 | 0.11 | 0.10 | 0.44 | 3.06 | 0.21 |
| 27 | 2:15 | 5.0 | 0.66 | 0.11 | 0.12 | 0.55 | 3.79 | 0.23 |
| 28 | 2:20 | 3.5 | 0.46 | 0.11 | 0.08 | 0.35 | 2.42 | 0.25 |
| 29 | 2:25 | 6.8 | 0.90 | 0.11 | 0.16 | 0.78 | 5.45 | 0.28 |
| 30 | 2:30 | 7.3 | 0.96 | 0.11 | 0.17 | 0.85 | 5.90 | 0.32 |
| 31 | 2:35 | 8.2 | 1.08 | 0.11 | 0.19 | 0.97 | 6.73 | 0.36 |
| 32 | 2:40 | 5.9 | 0.78 | 0.11 | 0.14 | 0.66 | 4.62 | 0.40 |
| 33 | 2:45 | 2.0 | 0.26 | 0.11 | 0.05 | 0.15 | 1.04 | 0.42 |
| 34 | 2:50 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 0.86 | 0.43 |
| 35 | 2:55 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 0.86 | 0.43 |
| 36 | 3:00 | 0.6 | 0.08 | 0.11 | 0.01 | 0.06 | 0.45 | 0.44 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 7.0 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 0.8 |
| AMC | | 1 |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.12 | 0.11 | 0.02 | 0.01 | 0.08 | 0.00 |
| 2 | 0:10 | 1.3 | 0.12 | 0.11 | 0.02 | 0.01 | 0.08 | 0.00 |
| 3 | 0:15 | 1.1 | 0.11 | 0.11 | 0.02 | 0.09 | 0.60 | 0.00 |
| 4 | 0:20 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 0.21 | 0.01 |
| 5 | 0:25 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 0.21 | 0.01 |
| 6 | 0:30 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.41 | 0.01 |
| 7 | 0:35 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 0.21 | 0.01 |
| 8 | 0:40 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.41 | 0.01 |
| 9 | 0:45 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.41 | 0.02 |
| 10 | 0:50 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 0.21 | 0.02 |
| 11 | 0:55 | 1.6 | 0.15 | 0.11 | 0.03 | 0.04 | 0.28 | 0.02 |
| 12 | 1:00 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.41 | 0.02 |
| 13 | 1:05 | 2.2 | 0.21 | 0.11 | 0.04 | 0.10 | 0.68 | 0.03 |
| 14 | 1:10 | 2.2 | 0.21 | 0.11 | 0.04 | 0.10 | 0.68 | 0.03 |
| 15 | 1:15 | 2.2 | 0.21 | 0.11 | 0.04 | 0.10 | 0.68 | 0.04 |
| 16 | 1:20 | 2.0 | 0.19 | 0.11 | 0.03 | 0.08 | 0.54 | 0.04 |
| 17 | 1:25 | 2.6 | 0.25 | 0.11 | 0.04 | 0.14 | 0.94 | 0.05 |
| 18 | 1:30 | 2.7 | 0.26 | 0.11 | 0.05 | 0.15 | 1.01 | 0.05 |
| 19 | 1:35 | 2.4 | 0.23 | 0.11 | 0.04 | 0.12 | 0.81 | 0.06 |
| 20 | 1:40 | 2.7 | 0.26 | 0.11 | 0.05 | 0.15 | 1.01 | 0.06 |
| 21 | 1:45 | 3.3 | 0.32 | 0.11 | 0.06 | 0.20 | 1.41 | 0.07 |
| 22 | 1:50 | 3.1 | 0.30 | 0.11 | 0.05 | 0.18 | 1.28 | 0.08 |
| 23 | 1:55 | 2.9 | 0.28 | 0.11 | 0.05 | 0.16 | 1.14 | 0.09 |
| 24 | 2:00 | 3.0 | 0.29 | 0.11 | 0.05 | 0.17 | 1.21 | 0.10 |
| 25 | 2:05 | 3.1 | 0.30 | 0.11 | 0.05 | 0.18 | 1.28 | 0.11 |
| 26 | 2:10 | 4.2 | 0.40 | 0.11 | 0.07 | 0.29 | 2.01 | 0.12 |
| 27 | 2:15 | 5.0 | 0.48 | 0.11 | 0.09 | 0.37 | 2.54 | 0.13 |
| 28 | 2:20 | 3.5 | 0.34 | 0.11 | 0.06 | 0.22 | 1.54 | 0.15 |
| 29 | 2:25 | 6.8 | 0.65 | 0.11 | 0.12 | 0.54 | 3.74 | 0.17 |
| 30 | 2:30 | 7.3 | 0.70 | 0.11 | 0.13 | 0.59 | 4.08 | 0.19 |
| 31 | 2:35 | 8.2 | 0.79 | 0.11 | 0.14 | 0.67 | 4.68 | 0.22 |
| 32 | 2:40 | 5.9 | 0.57 | 0.11 | 0.10 | 0.45 | 3.14 | 0.25 |
| 33 | 2:45 | 2.0 | 0.19 | 0.11 | 0.03 | 0.08 | 0.54 | 0.26 |
| 34 | 2:50 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.41 | 0.27 |
| 35 | 2:55 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.41 | 0.27 |
| 36 | 3:00 | 0.6 | 0.06 | 0.11 | 0.01 | 0.05 | 0.33 | 0.27 |

BUILDING 3

MORENO VALLEY LOGISTICS CENTER, INDIAN STREET, MORENO VALLEY
BASIN #6

| Elevation | Depth (feet) | Area (s.f.) | Volume (c.f.) | Σ Volume (c.f.) | Σ Volume (ac-ft) | |
|---|---|---|---|---|---|---|
| 1472.90 | 0.00 | 6575 | | | | |
| | | | 2265 | 2265 | 0.052 | |
| 1473.23 | 0.33 | 7155 | | | | |
| | | | 2461 | 4726 | 0.109 | |
| 1473.56 | 0.66 | 7760 | | | | |
| | | | 2666 | 7392 | 0.170 | WATER QUALITY VOLUME |
| 1473.89 | 0.99 | 8395 | | | | |
| | | | 2878 | 10270 | 0.236 | |
| 1474.22 | 1.32 | 9050 | | | | |
| | | | 915 | 11186 | 0.257 | |
| 1474.32 | 1.42 | 9255 | | | | |
| | | | 2184 | 13370 | 0.307 | |
| 1474.55 | 1.65 | 9740 | | | | |
| | | | 490 | 13860 | 0.318 | |
| 1474.60 | 1.70 | 9845 | | | | |
| | | | 2841 | 16701 | 0.383 | |
| 1474.88 | 1.98 | 10450 | | | | |
| | | | 3571 | 20272 | 0.465 | |
| 1475.21 | 2.31 | 11190 | | | | |
| | | | 3819 | 24091 | 0.553 | ADDITIONAL STORAGE |
| 1475.54 | 2.64 | 11955 | | | | |
| | | | 4075 | 28166 | 0.647 | |
| 1475.87 | 2.97 | 12745 | | | | |
| | | | 4341 | 32507 | 0.746 | |
| 1476.20 | 3.30 | 13565 | | | | |
| | | | 4615 | 37122 | 0.852 | |
| 1476.53 | 3.63 | 14405 | | | | |
| | | | 3042 | 40164 | 0.922 | |
| 1476.72 | 3.82 | 17615 | | | | |

# Hydrologic Summary

BUILDING 3
EXIST. CONDITION

## Watershed Characteristics

| | | |
|---|---|---|
| Area | (acres) | 6.25 |
| Soil | | C |
| Cover | | open space |

## Hydrograph Parameters

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Rainfall - 24-hr | (inches) | 4.0 | 2.6 | 2.2 | 1.6 | |
| Rainfall - 6-hr | (inches) | 2.5 | 1.7 | 1.4 | 1.0 | |
| Rainfall - 3-hr | (inches) | 1.9 | 1.3 | 1.1 | 0.8 | |
| AMC | | III | II | I | I | |
| RI | | 77 | 77 | 77 | 77 | Plate E-6.1 |
| Fp | (in/hr) | 0.14 | 0.28 | 0.48 | 0.48 | Plate E-6.2 |
| Ai | (decimal) | 0.00 | 0.00 | 0.00 | 0.00 | Plate E-6.3 |
| Low Loss | (decimal) | 0.90 | 0.90 | 0.90 | 0.90 | 0.9-(0.8Ai) |
| F | (in/hr) | 0.14 | 0.28 | 0.48 | 0.48 | Fp(1-0.9Ai) |
| Fm | (in/hr) | 0.07 | 0.14 | 0.24 | 0.24 | F/2 |
| C | | 0.00 | 0.00 | 0.00 | 0.00 | (F-Fm)/54 |

## Hydrograph Results

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Peak Flow | (cfs) | 2.65 | 0.70 | 0.19 | 0.14 | 24-hour |
| Peak Flow | (cfs) | 9.63 | 5.39 | 2.88 | 1.20 | 6-hour |
| Peak Flow | (cfs) | 10.81 | 6.25 | 3.77 | 1.92 | 3-hour |
| Total Runoff | (ac-ft) | 0.96 | 0.16 | 0.11 | 0.08 | 24-hour |
| Total Runoff | (ac-ft) | 0.86 | 0.28 | 0.11 | 0.06 | 6-hour |
| Total Runoff | (ac-ft) | 0.76 | 0.27 | 0.12 | 0.06 | 3-hour |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 4.0 |
| AMC | | III |
| RI | | 77.0 |
| Fp | (in/hr) | 0.14 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.14 |
| Fm | (in/hr) | 0.07 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.03 | 0.25 | 0.03 | 0.00 | 0.02 | 0.00 |
| 2 | 0:30 | 0.3 | 0.05 | 0.24 | 0.04 | 0.00 | 0.03 | 0.00 |
| 3 | 0:45 | 0.3 | 0.05 | 0.24 | 0.04 | 0.00 | 0.03 | 0.00 |
| 4 | 1:00 | 0.4 | 0.06 | 0.24 | 0.06 | 0.01 | 0.04 | 0.00 |
| 5 | 1:15 | 0.3 | 0.05 | 0.24 | 0.04 | 0.00 | 0.03 | 0.00 |
| 6 | 1:30 | 0.3 | 0.05 | 0.23 | 0.04 | 0.00 | 0.03 | 0.00 |
| 7 | 1:45 | 0.3 | 0.05 | 0.23 | 0.04 | 0.00 | 0.03 | 0.00 |
| 8 | 2:00 | 0.4 | 0.06 | 0.23 | 0.06 | 0.01 | 0.04 | 0.00 |
| 9 | 2:15 | 0.4 | 0.06 | 0.22 | 0.06 | 0.01 | 0.04 | 0.01 |
| 10 | 2:30 | 0.4 | 0.06 | 0.22 | 0.06 | 0.01 | 0.04 | 0.01 |
| 11 | 2:45 | 0.5 | 0.08 | 0.22 | 0.07 | 0.01 | 0.05 | 0.01 |
| 12 | 3:00 | 0.5 | 0.08 | 0.22 | 0.07 | 0.01 | 0.05 | 0.01 |
| 13 | 3:15 | 0.5 | 0.08 | 0.21 | 0.07 | 0.01 | 0.05 | 0.01 |
| 14 | 3:30 | 0.5 | 0.08 | 0.21 | 0.07 | 0.01 | 0.05 | 0.01 |
| 15 | 3:45 | 0.5 | 0.08 | 0.21 | 0.07 | 0.01 | 0.05 | 0.01 |
| 16 | 4:00 | 0.6 | 0.10 | 0.21 | 0.09 | 0.01 | 0.06 | 0.01 |
| 17 | 4:15 | 0.6 | 0.10 | 0.20 | 0.09 | 0.01 | 0.06 | 0.01 |
| 18 | 4:30 | 0.7 | 0.11 | 0.20 | 0.10 | 0.01 | 0.07 | 0.02 |
| 19 | 4:45 | 0.7 | 0.11 | 0.20 | 0.10 | 0.01 | 0.07 | 0.02 |
| 20 | 5:00 | 0.8 | 0.13 | 0.20 | 0.12 | 0.01 | 0.08 | 0.02 |
| 21 | 5:15 | 0.6 | 0.10 | 0.19 | 0.09 | 0.01 | 0.06 | 0.02 |
| 22 | 5:30 | 0.7 | 0.11 | 0.19 | 0.10 | 0.01 | 0.07 | 0.02 |
| 23 | 5:45 | 0.8 | 0.13 | 0.19 | 0.12 | 0.01 | 0.08 | 0.02 |
| 24 | 6:00 | 0.8 | 0.13 | 0.19 | 0.12 | 0.01 | 0.08 | 0.02 |
| 25 | 6:15 | 0.9 | 0.14 | 0.18 | 0.13 | 0.01 | 0.09 | 0.03 |
| 26 | 6:30 | 0.9 | 0.14 | 0.18 | 0.13 | 0.01 | 0.09 | 0.03 |
| 27 | 6:45 | 1.0 | 0.16 | 0.18 | 0.14 | 0.02 | 0.10 | 0.03 |
| 28 | 7:00 | 1.0 | 0.16 | 0.18 | 0.14 | 0.02 | 0.10 | 0.03 |
| 29 | 7:15 | 1.0 | 0.16 | 0.17 | 0.14 | 0.02 | 0.10 | 0.03 |
| 30 | 7:30 | 1.1 | 0.18 | 0.17 | 0.16 | 0.00 | 0.03 | 0.04 |
| 31 | 7:45 | 1.2 | 0.19 | 0.17 | 0.17 | 0.02 | 0.15 | 0.04 |
| 32 | 8:00 | 1.3 | 0.21 | 0.17 | 0.19 | 0.04 | 0.26 | 0.04 |
| 33 | 8:15 | 1.5 | 0.24 | 0.16 | 0.22 | 0.08 | 0.47 | 0.05 |
| 34 | 8:30 | 1.5 | 0.24 | 0.16 | 0.22 | 0.08 | 0.49 | 0.06 |
| 35 | 8:45 | 1.6 | 0.26 | 0.16 | 0.23 | 0.10 | 0.60 | 0.07 |
| 36 | 9:00 | 1.7 | 0.27 | 0.16 | 0.24 | 0.11 | 0.72 | 0.08 |
| 37 | 9:15 | 1.9 | 0.30 | 0.16 | 0.27 | 0.15 | 0.93 | 0.10 |
| 38 | 9:30 | 2.0 | 0.32 | 0.15 | 0.29 | 0.17 | 1.04 | 0.12 |
| 39 | 9:45 | 2.1 | 0.34 | 0.15 | 0.30 | 0.19 | 1.16 | 0.14 |
| 40 | 10:00 | 2.2 | 0.35 | 0.15 | 0.32 | 0.20 | 1.27 | 0.17 |
| 41 | 10:15 | 1.5 | 0.24 | 0.15 | 0.22 | 0.09 | 0.58 | 0.19 |
| 42 | 10:30 | 1.5 | 0.24 | 0.14 | 0.22 | 0.10 | 0.60 | 0.20 |
| 43 | 10:45 | 2.0 | 0.32 | 0.14 | 0.29 | 0.18 | 1.11 | 0.22 |
| 44 | 11:00 | 2.0 | 0.32 | 0.14 | 0.29 | 0.18 | 1.12 | 0.24 |
| 45 | 11:15 | 1.9 | 0.30 | 0.14 | 0.27 | 0.17 | 1.04 | 0.26 |
| 46 | 11:30 | 1.9 | 0.30 | 0.14 | 0.27 | 0.17 | 1.05 | 0.28 |
| 47 | 11:45 | 1.7 | 0.27 | 0.13 | 0.24 | 0.14 | 0.86 | 0.30 |
| 48 | 12:00 | 1.8 | 0.29 | 0.13 | 0.26 | 0.16 | 0.97 | 0.32 |
| 49 | 12:15 | 2.5 | 0.40 | 0.13 | 0.36 | 0.27 | 1.69 | 0.35 |
| 50 | 12:30 | 2.6 | 0.42 | 0.13 | 0.37 | 0.29 | 1.80 | 0.39 |
| 51 | 12:45 | 2.8 | 0.45 | 0.13 | 0.40 | 0.32 | 2.01 | 0.43 |
| 52 | 13:00 | 2.9 | 0.46 | 0.12 | 0.42 | 0.34 | 2.12 | 0.47 |
| 53 | 13:15 | 3.4 | 0.54 | 0.12 | 0.49 | 0.42 | 2.64 | 0.52 |
| 54 | 13:30 | 3.4 | 0.54 | 0.12 | 0.49 | 0.42 | 2.65 | 0.57 |
| 55 | 13:45 | 2.3 | 0.37 | 0.12 | 0.33 | 0.25 | 1.56 | 0.62 |
| 56 | 14:00 | 2.3 | 0.37 | 0.12 | 0.33 | 0.25 | 1.57 | 0.65 |
| 57 | 14:15 | 2.7 | 0.43 | 0.12 | 0.39 | 0.32 | 1.98 | 0.69 |
| 58 | 14:30 | 2.6 | 0.42 | 0.11 | 0.37 | 0.30 | 1.89 | 0.73 |
| 59 | 14:45 | 2.6 | 0.42 | 0.11 | 0.37 | 0.30 | 1.90 | 0.76 |
| 60 | 15:00 | 2.5 | 0.40 | 0.11 | 0.36 | 0.29 | 1.81 | 0.80 |
| 61 | 15:15 | 2.4 | 0.38 | 0.11 | 0.35 | 0.28 | 1.72 | 0.84 |
| 62 | 15:30 | 2.3 | 0.37 | 0.11 | 0.33 | 0.26 | 1.63 | 0.87 |
| 63 | 15:45 | 1.9 | 0.30 | 0.10 | 0.27 | 0.20 | 1.24 | 0.90 |
| 64 | 16:00 | 1.9 | 0.30 | 0.10 | 0.27 | 0.20 | 1.25 | 0.93 |
| 65 | 16:15 | 0.4 | 0.06 | 0.10 | 0.06 | 0.01 | 0.04 | 0.94 |
| 66 | 16:30 | 0.4 | 0.06 | 0.10 | 0.06 | 0.01 | 0.04 | 0.94 |
| 67 | 16:45 | 0.3 | 0.05 | 0.10 | 0.04 | 0.00 | 0.03 | 0.94 |
| 68 | 17:00 | 0.3 | 0.05 | 0.10 | 0.04 | 0.00 | 0.03 | 0.95 |
| 69 | 17:15 | 0.5 | 0.08 | 0.10 | 0.07 | 0.01 | 0.05 | 0.95 |
| 70 | 17:30 | 0.5 | 0.08 | 0.09 | 0.07 | 0.01 | 0.05 | 0.95 |
| 71 | 17:45 | 0.5 | 0.08 | 0.09 | 0.07 | 0.01 | 0.05 | 0.95 |
| 72 | 18:00 | 0.4 | 0.06 | 0.09 | 0.06 | 0.01 | 0.04 | 0.95 |
| 73 | 18:15 | 0.4 | 0.06 | 0.09 | 0.06 | 0.01 | 0.04 | 0.95 |
| 74 | 18:30 | 0.4 | 0.06 | 0.09 | 0.06 | 0.01 | 0.04 | 0.95 |
| 75 | 18:45 | 0.3 | 0.05 | 0.09 | 0.04 | 0.00 | 0.03 | 0.95 |
| 76 | 19:00 | 0.2 | 0.03 | 0.09 | 0.03 | 0.00 | 0.02 | 0.95 |
| 77 | 19:15 | 0.3 | 0.05 | 0.09 | 0.04 | 0.00 | 0.03 | 0.95 |
| 78 | 19:30 | 0.4 | 0.06 | 0.08 | 0.06 | 0.01 | 0.04 | 0.95 |
| 79 | 19:45 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.03 | 0.95 |
| 80 | 20:00 | 0.2 | 0.03 | 0.08 | 0.03 | 0.00 | 0.02 | 0.95 |
| 81 | 20:15 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.03 | 0.96 |
| 82 | 20:30 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.03 | 0.96 |
| 83 | 20:45 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.03 | 0.96 |
| 84 | 21:00 | 0.2 | 0.03 | 0.08 | 0.03 | 0.00 | 0.02 | 0.96 |
| 85 | 21:15 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.03 | 0.96 |
| 86 | 21:30 | 0.2 | 0.03 | 0.08 | 0.03 | 0.00 | 0.02 | 0.96 |
| 87 | 21:45 | 0.3 | 0.05 | 0.07 | 0.04 | 0.00 | 0.03 | 0.96 |
| 88 | 22:00 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 0.96 |
| 89 | 22:15 | 0.3 | 0.05 | 0.07 | 0.04 | 0.00 | 0.03 | 0.96 |
| 90 | 22:30 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 0.96 |
| 91 | 22:45 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 0.96 |
| 92 | 23:00 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 0.96 |
| 93 | 23:15 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 0.96 |
| 94 | 23:30 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 0.96 |
| 95 | 23:45 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 0.96 |
| 96 | 0:00 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.02 | 0.96 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 2.6 |
| AMC | | II |
| RI | | 77.0 |
| Fp | (in/hr) | 0.28 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.28 |
| Fm | (in/hr) | 0.14 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.49 | 0.02 | 0.00 | 0.01 | 0.00 |
| 2 | 0:30 | 0.3 | 0.03 | 0.49 | 0.03 | 0.00 | 0.02 | 0.00 |
| 3 | 0:45 | 0.3 | 0.03 | 0.48 | 0.03 | 0.00 | 0.02 | 0.00 |
| 4 | 1:00 | 0.4 | 0.04 | 0.48 | 0.04 | 0.00 | 0.03 | 0.00 |
| 5 | 1:15 | 0.3 | 0.03 | 0.47 | 0.03 | 0.00 | 0.02 | 0.00 |
| 6 | 1:30 | 0.3 | 0.03 | 0.47 | 0.03 | 0.00 | 0.02 | 0.00 |
| 7 | 1:45 | 0.3 | 0.03 | 0.46 | 0.03 | 0.00 | 0.02 | 0.00 |
| 8 | 2:00 | 0.4 | 0.04 | 0.45 | 0.04 | 0.00 | 0.03 | 0.00 |
| 9 | 2:15 | 0.4 | 0.04 | 0.45 | 0.04 | 0.00 | 0.03 | 0.00 |
| 10 | 2:30 | 0.4 | 0.04 | 0.44 | 0.04 | 0.00 | 0.03 | 0.00 |
| 11 | 2:45 | 0.5 | 0.05 | 0.44 | 0.05 | 0.01 | 0.03 | 0.00 |
| 12 | 3:00 | 0.5 | 0.05 | 0.43 | 0.05 | 0.01 | 0.03 | 0.01 |
| 13 | 3:15 | 0.5 | 0.05 | 0.43 | 0.05 | 0.01 | 0.03 | 0.01 |
| 14 | 3:30 | 0.5 | 0.05 | 0.42 | 0.05 | 0.01 | 0.03 | 0.01 |
| 15 | 3:45 | 0.5 | 0.05 | 0.42 | 0.05 | 0.01 | 0.03 | 0.01 |
| 16 | 4:00 | 0.6 | 0.06 | 0.41 | 0.06 | 0.01 | 0.04 | 0.01 |
| 17 | 4:15 | 0.6 | 0.06 | 0.41 | 0.06 | 0.01 | 0.04 | 0.01 |
| 18 | 4:30 | 0.7 | 0.07 | 0.40 | 0.07 | 0.01 | 0.05 | 0.01 |
| 19 | 4:45 | 0.7 | 0.07 | 0.40 | 0.07 | 0.01 | 0.05 | 0.01 |
| 20 | 5:00 | 0.8 | 0.08 | 0.39 | 0.07 | 0.01 | 0.05 | 0.01 |
| 21 | 5:15 | 0.6 | 0.06 | 0.39 | 0.06 | 0.01 | 0.04 | 0.01 |
| 22 | 5:30 | 0.7 | 0.07 | 0.38 | 0.07 | 0.01 | 0.05 | 0.01 |
| 23 | 5:45 | 0.8 | 0.08 | 0.38 | 0.07 | 0.01 | 0.05 | 0.01 |
| 24 | 6:00 | 0.8 | 0.08 | 0.37 | 0.07 | 0.01 | 0.05 | 0.02 |
| 25 | 6:15 | 0.9 | 0.09 | 0.37 | 0.08 | 0.01 | 0.06 | 0.02 |
| 26 | 6:30 | 0.9 | 0.09 | 0.36 | 0.08 | 0.01 | 0.06 | 0.02 |
| 27 | 6:45 | 1.0 | 0.10 | 0.36 | 0.09 | 0.01 | 0.06 | 0.02 |
| 28 | 7:00 | 1.0 | 0.10 | 0.35 | 0.09 | 0.01 | 0.06 | 0.02 |
| 29 | 7:15 | 1.0 | 0.10 | 0.35 | 0.09 | 0.01 | 0.06 | 0.02 |
| 30 | 7:30 | 1.1 | 0.11 | 0.34 | 0.10 | 0.01 | 0.07 | 0.02 |
| 31 | 7:45 | 1.2 | 0.12 | 0.34 | 0.11 | 0.01 | 0.08 | 0.02 |
| 32 | 8:00 | 1.3 | 0.14 | 0.33 | 0.12 | 0.01 | 0.08 | 0.03 |
| 33 | 8:15 | 1.5 | 0.16 | 0.33 | 0.14 | 0.02 | 0.10 | 0.03 |
| 34 | 8:30 | 1.5 | 0.16 | 0.32 | 0.14 | 0.02 | 0.10 | 0.03 |
| 35 | 8:45 | 1.6 | 0.17 | 0.32 | 0.15 | 0.02 | 0.10 | 0.03 |
| 36 | 9:00 | 1.7 | 0.18 | 0.31 | 0.16 | 0.02 | 0.11 | 0.03 |
| 37 | 9:15 | 1.9 | 0.20 | 0.31 | 0.18 | 0.02 | 0.12 | 0.04 |
| 38 | 9:30 | 2.0 | 0.21 | 0.31 | 0.19 | 0.02 | 0.13 | 0.04 |
| 39 | 9:45 | 2.1 | 0.22 | 0.30 | 0.20 | 0.02 | 0.14 | 0.04 |
| 40 | 10:00 | 2.2 | 0.23 | 0.30 | 0.21 | 0.02 | 0.14 | 0.05 |
| 41 | 10:15 | 1.5 | 0.16 | 0.29 | 0.14 | 0.02 | 0.10 | 0.05 |
| 42 | 10:30 | 1.5 | 0.16 | 0.29 | 0.14 | 0.02 | 0.10 | 0.05 |
| 43 | 10:45 | 2.0 | 0.21 | 0.28 | 0.19 | 0.02 | 0.13 | 0.05 |
| 44 | 11:00 | 2.0 | 0.21 | 0.28 | 0.19 | 0.02 | 0.13 | 0.06 |
| 45 | 11:15 | 1.9 | 0.20 | 0.28 | 0.18 | 0.02 | 0.12 | 0.06 |
| 46 | 11:30 | 1.9 | 0.20 | 0.27 | 0.18 | 0.02 | 0.12 | 0.06 |
| 47 | 11:45 | 1.7 | 0.18 | 0.27 | 0.16 | 0.02 | 0.11 | 0.06 |
| 48 | 12:00 | 1.8 | 0.19 | 0.26 | 0.17 | 0.02 | 0.12 | 0.07 |
| 49 | 12:15 | 2.5 | 0.26 | 0.26 | 0.23 | 0.03 | 0.16 | 0.07 |
| 50 | 12:30 | 2.6 | 0.27 | 0.26 | 0.24 | 0.01 | 0.09 | 0.07 |
| 51 | 12:45 | 2.8 | 0.29 | 0.25 | 0.26 | 0.04 | 0.24 | 0.07 |
| 52 | 13:00 | 2.9 | 0.30 | 0.25 | 0.27 | 0.05 | 0.33 | 0.08 |
| 53 | 13:15 | 3.4 | 0.35 | 0.24 | 0.32 | 0.11 | 0.68 | 0.09 |
| 54 | 13:30 | 3.4 | 0.35 | 0.24 | 0.32 | 0.11 | 0.70 | 0.10 |
| 55 | 13:45 | 2.3 | 0.24 | 0.24 | 0.22 | 0.00 | 0.01 | 0.11 |
| 56 | 14:00 | 2.3 | 0.24 | 0.23 | 0.22 | 0.01 | 0.03 | 0.11 |
| 57 | 14:15 | 2.7 | 0.28 | 0.23 | 0.25 | 0.05 | 0.32 | 0.12 |
| 58 | 14:30 | 2.6 | 0.27 | 0.23 | 0.24 | 0.04 | 0.27 | 0.12 |
| 59 | 14:45 | 2.6 | 0.27 | 0.22 | 0.24 | 0.05 | 0.29 | 0.13 |
| 60 | 15:00 | 2.5 | 0.26 | 0.22 | 0.23 | 0.04 | 0.25 | 0.13 |
| 61 | 15:15 | 2.4 | 0.25 | 0.22 | 0.22 | 0.03 | 0.21 | 0.14 |
| 62 | 15:30 | 2.3 | 0.24 | 0.21 | 0.22 | 0.03 | 0.16 | 0.14 |
| 63 | 15:45 | 1.9 | 0.20 | 0.21 | 0.18 | 0.02 | 0.12 | 0.15 |
| 64 | 16:00 | 1.9 | 0.20 | 0.21 | 0.18 | 0.02 | 0.12 | 0.15 |
| 65 | 16:15 | 0.4 | 0.04 | 0.20 | 0.04 | 0.00 | 0.03 | 0.15 |
| 66 | 16:30 | 0.4 | 0.04 | 0.20 | 0.04 | 0.00 | 0.03 | 0.15 |
| 67 | 16:45 | 0.3 | 0.03 | 0.20 | 0.03 | 0.00 | 0.02 | 0.15 |
| 68 | 17:00 | 0.3 | 0.03 | 0.19 | 0.03 | 0.00 | 0.02 | 0.15 |
| 69 | 17:15 | 0.5 | 0.05 | 0.19 | 0.05 | 0.01 | 0.03 | 0.15 |
| 70 | 17:30 | 0.5 | 0.05 | 0.19 | 0.05 | 0.01 | 0.03 | 0.15 |
| 71 | 17:45 | 0.5 | 0.05 | 0.19 | 0.05 | 0.01 | 0.03 | 0.15 |
| 72 | 18:00 | 0.4 | 0.04 | 0.18 | 0.04 | 0.00 | 0.03 | 0.15 |
| 73 | 18:15 | 0.4 | 0.04 | 0.18 | 0.04 | 0.00 | 0.03 | 0.15 |
| 74 | 18:30 | 0.4 | 0.04 | 0.18 | 0.04 | 0.00 | 0.03 | 0.15 |
| 75 | 18:45 | 0.3 | 0.03 | 0.18 | 0.03 | 0.00 | 0.02 | 0.15 |
| 76 | 19:00 | 0.2 | 0.02 | 0.17 | 0.02 | 0.00 | 0.01 | 0.16 |
| 77 | 19:15 | 0.3 | 0.03 | 0.17 | 0.03 | 0.00 | 0.02 | 0.16 |
| 78 | 19:30 | 0.4 | 0.04 | 0.17 | 0.04 | 0.00 | 0.03 | 0.16 |
| 79 | 19:45 | 0.3 | 0.03 | 0.17 | 0.03 | 0.00 | 0.02 | 0.16 |
| 80 | 20:00 | 0.2 | 0.02 | 0.16 | 0.02 | 0.00 | 0.01 | 0.16 |
| 81 | 20:15 | 0.3 | 0.03 | 0.16 | 0.03 | 0.00 | 0.02 | 0.16 |
| 82 | 20:30 | 0.3 | 0.03 | 0.16 | 0.03 | 0.00 | 0.02 | 0.16 |
| 83 | 20:45 | 0.3 | 0.03 | 0.16 | 0.03 | 0.00 | 0.02 | 0.16 |
| 84 | 21:00 | 0.2 | 0.02 | 0.16 | 0.02 | 0.00 | 0.01 | 0.16 |
| 85 | 21:15 | 0.3 | 0.03 | 0.15 | 0.03 | 0.00 | 0.02 | 0.16 |
| 86 | 21:30 | 0.2 | 0.02 | 0.15 | 0.02 | 0.00 | 0.01 | 0.16 |
| 87 | 21:45 | 0.3 | 0.03 | 0.15 | 0.03 | 0.00 | 0.02 | 0.16 |
| 88 | 22:00 | 0.2 | 0.02 | 0.15 | 0.02 | 0.00 | 0.01 | 0.16 |
| 89 | 22:15 | 0.3 | 0.03 | 0.15 | 0.03 | 0.00 | 0.02 | 0.16 |
| 90 | 22:30 | 0.2 | 0.02 | 0.15 | 0.02 | 0.00 | 0.01 | 0.16 |
| 91 | 22:45 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.01 | 0.16 |
| 92 | 23:00 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.01 | 0.16 |
| 93 | 23:15 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.01 | 0.16 |
| 94 | 23:30 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.01 | 0.16 |
| 95 | 23:45 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.01 | 0.16 |
| 96 | 0:00 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.01 | 0.16 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 2.2 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |
| Fm | (in/hr) | 0.24 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.85 | 0.02 | 0.00 | 0.01 | 0.00 |
| 2 | 0:30 | 0.3 | 0.03 | 0.84 | 0.02 | 0.00 | 0.02 | 0.00 |
| 3 | 0:45 | 0.3 | 0.03 | 0.83 | 0.02 | 0.00 | 0.02 | 0.00 |
| 4 | 1:00 | 0.4 | 0.04 | 0.82 | 0.03 | 0.00 | 0.02 | 0.00 |
| 5 | 1:15 | 0.3 | 0.03 | 0.81 | 0.02 | 0.00 | 0.02 | 0.00 |
| 6 | 1:30 | 0.3 | 0.03 | 0.80 | 0.02 | 0.00 | 0.02 | 0.00 |
| 7 | 1:45 | 0.3 | 0.03 | 0.79 | 0.02 | 0.00 | 0.02 | 0.00 |
| 8 | 2:00 | 0.4 | 0.04 | 0.78 | 0.03 | 0.00 | 0.02 | 0.00 |
| 9 | 2:15 | 0.4 | 0.04 | 0.77 | 0.03 | 0.00 | 0.02 | 0.00 |
| 10 | 2:30 | 0.4 | 0.04 | 0.76 | 0.03 | 0.00 | 0.02 | 0.00 |
| 11 | 2:45 | 0.5 | 0.04 | 0.75 | 0.04 | 0.00 | 0.03 | 0.00 |
| 12 | 3:00 | 0.5 | 0.04 | 0.74 | 0.04 | 0.00 | 0.03 | 0.00 |
| 13 | 3:15 | 0.5 | 0.04 | 0.73 | 0.04 | 0.00 | 0.03 | 0.01 |
| 14 | 3:30 | 0.5 | 0.04 | 0.72 | 0.04 | 0.00 | 0.03 | 0.01 |
| 15 | 3:45 | 0.5 | 0.04 | 0.72 | 0.04 | 0.00 | 0.03 | 0.01 |
| 16 | 4:00 | 0.6 | 0.05 | 0.71 | 0.05 | 0.01 | 0.03 | 0.01 |
| 17 | 4:15 | 0.6 | 0.05 | 0.70 | 0.05 | 0.01 | 0.03 | 0.01 |
| 18 | 4:30 | 0.7 | 0.06 | 0.69 | 0.06 | 0.01 | 0.04 | 0.01 |
| 19 | 4:45 | 0.7 | 0.06 | 0.68 | 0.06 | 0.01 | 0.04 | 0.01 |
| 20 | 5:00 | 0.8 | 0.07 | 0.67 | 0.06 | 0.01 | 0.04 | 0.01 |
| 21 | 5:15 | 0.6 | 0.05 | 0.66 | 0.05 | 0.01 | 0.03 | 0.01 |
| 22 | 5:30 | 0.7 | 0.06 | 0.65 | 0.06 | 0.01 | 0.04 | 0.01 |
| 23 | 5:45 | 0.8 | 0.07 | 0.64 | 0.06 | 0.01 | 0.04 | 0.01 |
| 24 | 6:00 | 0.8 | 0.07 | 0.64 | 0.06 | 0.01 | 0.04 | 0.01 |
| 25 | 6:15 | 0.9 | 0.08 | 0.63 | 0.07 | 0.01 | 0.05 | 0.01 |
| 26 | 6:30 | 0.9 | 0.08 | 0.62 | 0.07 | 0.01 | 0.05 | 0.02 |
| 27 | 6:45 | 1.0 | 0.09 | 0.61 | 0.08 | 0.01 | 0.06 | 0.02 |
| 28 | 7:00 | 1.0 | 0.09 | 0.60 | 0.08 | 0.01 | 0.06 | 0.02 |
| 29 | 7:15 | 1.0 | 0.09 | 0.59 | 0.08 | 0.01 | 0.06 | 0.02 |
| 30 | 7:30 | 1.1 | 0.10 | 0.59 | 0.09 | 0.01 | 0.06 | 0.02 |
| 31 | 7:45 | 1.2 | 0.11 | 0.58 | 0.10 | 0.01 | 0.07 | 0.02 |
| 32 | 8:00 | 1.3 | 0.11 | 0.57 | 0.10 | 0.01 | 0.07 | 0.02 |
| 33 | 8:15 | 1.5 | 0.13 | 0.56 | 0.12 | 0.01 | 0.08 | 0.02 |
| 34 | 8:30 | 1.5 | 0.13 | 0.55 | 0.12 | 0.01 | 0.08 | 0.03 |
| 35 | 8:45 | 1.6 | 0.14 | 0.55 | 0.13 | 0.01 | 0.09 | 0.03 |
| 36 | 9:00 | 1.7 | 0.15 | 0.54 | 0.13 | 0.01 | 0.09 | 0.03 |
| 37 | 9:15 | 1.9 | 0.17 | 0.53 | 0.15 | 0.02 | 0.10 | 0.03 |
| 38 | 9:30 | 2.0 | 0.18 | 0.52 | 0.16 | 0.02 | 0.11 | 0.03 |
| 39 | 9:45 | 2.1 | 0.18 | 0.52 | 0.17 | 0.02 | 0.12 | 0.04 |
| 40 | 10:00 | 2.2 | 0.19 | 0.51 | 0.17 | 0.02 | 0.12 | 0.04 |
| 41 | 10:15 | 1.5 | 0.13 | 0.50 | 0.12 | 0.01 | 0.08 | 0.04 |
| 42 | 10:30 | 1.5 | 0.13 | 0.49 | 0.12 | 0.01 | 0.08 | 0.04 |
| 43 | 10:45 | 2.0 | 0.18 | 0.49 | 0.16 | 0.02 | 0.11 | 0.04 |
| 44 | 11:00 | 2.0 | 0.18 | 0.48 | 0.16 | 0.02 | 0.11 | 0.05 |
| 45 | 11:15 | 1.9 | 0.17 | 0.47 | 0.15 | 0.02 | 0.10 | 0.05 |
| 46 | 11:30 | 1.9 | 0.17 | 0.47 | 0.15 | 0.02 | 0.10 | 0.05 |
| 47 | 11:45 | 1.7 | 0.15 | 0.46 | 0.13 | 0.01 | 0.09 | 0.05 |
| 48 | 12:00 | 1.8 | 0.16 | 0.45 | 0.14 | 0.02 | 0.10 | 0.06 |
| 49 | 12:15 | 2.5 | 0.22 | 0.45 | 0.20 | 0.02 | 0.14 | 0.06 |
| 50 | 12:30 | 2.6 | 0.23 | 0.44 | 0.21 | 0.02 | 0.14 | 0.06 |
| 51 | 12:45 | 2.8 | 0.25 | 0.43 | 0.22 | 0.02 | 0.15 | 0.06 |
| 52 | 13:00 | 2.9 | 0.26 | 0.43 | 0.23 | 0.03 | 0.16 | 0.07 |
| 53 | 13:15 | 3.4 | 0.30 | 0.42 | 0.27 | 0.03 | 0.19 | 0.07 |
| 54 | 13:30 | 3.4 | 0.30 | 0.41 | 0.27 | 0.03 | 0.19 | 0.07 |
| 55 | 13:45 | 2.3 | 0.20 | 0.41 | 0.18 | 0.02 | 0.13 | 0.08 |
| 56 | 14:00 | 2.3 | 0.20 | 0.40 | 0.18 | 0.02 | 0.13 | 0.08 |
| 57 | 14:15 | 2.7 | 0.24 | 0.39 | 0.21 | 0.02 | 0.15 | 0.08 |
| 58 | 14:30 | 2.6 | 0.23 | 0.39 | 0.21 | 0.02 | 0.14 | 0.09 |
| 59 | 14:45 | 2.6 | 0.23 | 0.38 | 0.21 | 0.02 | 0.14 | 0.09 |
| 60 | 15:00 | 2.5 | 0.22 | 0.38 | 0.20 | 0.02 | 0.14 | 0.09 |
| 61 | 15:15 | 2.4 | 0.21 | 0.37 | 0.19 | 0.02 | 0.13 | 0.09 |
| 62 | 15:30 | 2.3 | 0.20 | 0.37 | 0.18 | 0.02 | 0.13 | 0.10 |
| 63 | 15:45 | 1.9 | 0.17 | 0.36 | 0.15 | 0.02 | 0.10 | 0.10 |
| 64 | 16:00 | 1.9 | 0.17 | 0.35 | 0.15 | 0.02 | 0.10 | 0.10 |
| 65 | 16:15 | 0.4 | 0.04 | 0.35 | 0.03 | 0.00 | 0.02 | 0.10 |
| 66 | 16:30 | 0.4 | 0.04 | 0.34 | 0.03 | 0.00 | 0.02 | 0.10 |
| 67 | 16:45 | 0.3 | 0.03 | 0.34 | 0.02 | 0.00 | 0.02 | 0.10 |
| 68 | 17:00 | 0.3 | 0.03 | 0.33 | 0.02 | 0.00 | 0.02 | 0.10 |
| 69 | 17:15 | 0.5 | 0.04 | 0.33 | 0.04 | 0.00 | 0.03 | 0.10 |
| 70 | 17:30 | 0.5 | 0.04 | 0.32 | 0.04 | 0.00 | 0.03 | 0.11 |
| 71 | 17:45 | 0.5 | 0.04 | 0.32 | 0.04 | 0.00 | 0.03 | 0.11 |
| 72 | 18:00 | 0.4 | 0.04 | 0.31 | 0.03 | 0.00 | 0.02 | 0.11 |
| 73 | 18:15 | 0.4 | 0.04 | 0.31 | 0.03 | 0.00 | 0.02 | 0.11 |
| 74 | 18:30 | 0.4 | 0.04 | 0.30 | 0.03 | 0.00 | 0.02 | 0.11 |
| 75 | 18:45 | 0.3 | 0.03 | 0.30 | 0.02 | 0.00 | 0.02 | 0.11 |
| 76 | 19:00 | 0.2 | 0.02 | 0.30 | 0.02 | 0.00 | 0.01 | 0.11 |
| 77 | 19:15 | 0.3 | 0.03 | 0.29 | 0.02 | 0.00 | 0.02 | 0.11 |
| 78 | 19:30 | 0.4 | 0.04 | 0.29 | 0.03 | 0.00 | 0.02 | 0.11 |
| 79 | 19:45 | 0.3 | 0.03 | 0.28 | 0.02 | 0.00 | 0.02 | 0.11 |
| 80 | 20:00 | 0.2 | 0.02 | 0.28 | 0.02 | 0.00 | 0.01 | 0.11 |
| 81 | 20:15 | 0.3 | 0.03 | 0.28 | 0.02 | 0.00 | 0.02 | 0.11 |
| 82 | 20:30 | 0.3 | 0.03 | 0.27 | 0.02 | 0.00 | 0.02 | 0.11 |
| 83 | 20:45 | 0.3 | 0.03 | 0.27 | 0.02 | 0.00 | 0.02 | 0.11 |
| 84 | 21:00 | 0.2 | 0.02 | 0.27 | 0.02 | 0.00 | 0.01 | 0.11 |
| 85 | 21:15 | 0.3 | 0.03 | 0.26 | 0.02 | 0.00 | 0.02 | 0.11 |
| 86 | 21:30 | 0.2 | 0.02 | 0.26 | 0.02 | 0.00 | 0.01 | 0.11 |
| 87 | 21:45 | 0.3 | 0.03 | 0.26 | 0.02 | 0.00 | 0.02 | 0.11 |
| 88 | 22:00 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.01 | 0.11 |
| 89 | 22:15 | 0.3 | 0.03 | 0.25 | 0.02 | 0.00 | 0.02 | 0.11 |
| 90 | 22:30 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.01 | 0.11 |
| 91 | 22:45 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.01 | 0.11 |
| 92 | 23:00 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.01 | 0.11 |
| 93 | 23:15 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.01 | 0.11 |
| 94 | 23:30 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.01 | 0.11 |
| 95 | 23:45 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.01 | 0.11 |
| 96 | 0:00 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.01 | 0.11 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.6 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |
| Fm | (in/hr) | 0.24 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.01 | 0.85 | 0.01 | 0.00 | 0.01 | 0.00 |
| 2 | 0:30 | 0.3 | 0.02 | 0.84 | 0.02 | 0.00 | 0.01 | 0.00 |
| 3 | 0:45 | 0.3 | 0.02 | 0.83 | 0.02 | 0.00 | 0.01 | 0.00 |
| 4 | 1:00 | 0.4 | 0.03 | 0.82 | 0.02 | 0.00 | 0.02 | 0.00 |
| 5 | 1:15 | 0.3 | 0.02 | 0.81 | 0.02 | 0.00 | 0.01 | 0.00 |
| 6 | 1:30 | 0.3 | 0.02 | 0.80 | 0.02 | 0.00 | 0.01 | 0.00 |
| 7 | 1:45 | 0.3 | 0.02 | 0.79 | 0.02 | 0.00 | 0.01 | 0.00 |
| 8 | 2:00 | 0.4 | 0.03 | 0.78 | 0.02 | 0.00 | 0.02 | 0.00 |
| 9 | 2:15 | 0.4 | 0.03 | 0.77 | 0.02 | 0.00 | 0.02 | 0.00 |
| 10 | 2:30 | 0.4 | 0.03 | 0.76 | 0.02 | 0.00 | 0.02 | 0.00 |
| 11 | 2:45 | 0.5 | 0.03 | 0.75 | 0.03 | 0.00 | 0.02 | 0.00 |
| 12 | 3:00 | 0.5 | 0.03 | 0.74 | 0.03 | 0.00 | 0.02 | 0.00 |
| 13 | 3:15 | 0.5 | 0.03 | 0.73 | 0.03 | 0.00 | 0.02 | 0.00 |
| 14 | 3:30 | 0.5 | 0.03 | 0.72 | 0.03 | 0.00 | 0.02 | 0.00 |
| 15 | 3:45 | 0.5 | 0.03 | 0.72 | 0.03 | 0.00 | 0.02 | 0.00 |
| 16 | 4:00 | 0.6 | 0.04 | 0.71 | 0.03 | 0.00 | 0.02 | 0.01 |
| 17 | 4:15 | 0.6 | 0.04 | 0.70 | 0.03 | 0.00 | 0.02 | 0.01 |
| 18 | 4:30 | 0.7 | 0.04 | 0.69 | 0.04 | 0.00 | 0.03 | 0.01 |
| 19 | 4:45 | 0.7 | 0.04 | 0.68 | 0.04 | 0.00 | 0.03 | 0.01 |
| 20 | 5:00 | 0.8 | 0.05 | 0.67 | 0.05 | 0.01 | 0.03 | 0.01 |
| 21 | 5:15 | 0.6 | 0.04 | 0.66 | 0.03 | 0.00 | 0.02 | 0.01 |
| 22 | 5:30 | 0.7 | 0.04 | 0.65 | 0.04 | 0.00 | 0.03 | 0.01 |
| 23 | 5:45 | 0.8 | 0.05 | 0.64 | 0.05 | 0.01 | 0.03 | 0.01 |
| 24 | 6:00 | 0.8 | 0.05 | 0.64 | 0.05 | 0.01 | 0.03 | 0.01 |
| 25 | 6:15 | 0.9 | 0.06 | 0.63 | 0.05 | 0.01 | 0.04 | 0.01 |
| 26 | 6:30 | 0.9 | 0.06 | 0.62 | 0.05 | 0.01 | 0.04 | 0.01 |
| 27 | 6:45 | 1.0 | 0.06 | 0.61 | 0.06 | 0.01 | 0.04 | 0.01 |
| 28 | 7:00 | 1.0 | 0.06 | 0.60 | 0.06 | 0.01 | 0.04 | 0.01 |
| 29 | 7:15 | 1.0 | 0.06 | 0.59 | 0.06 | 0.01 | 0.04 | 0.01 |
| 30 | 7:30 | 1.1 | 0.07 | 0.59 | 0.06 | 0.01 | 0.04 | 0.01 |
| 31 | 7:45 | 1.2 | 0.08 | 0.58 | 0.07 | 0.01 | 0.05 | 0.02 |
| 32 | 8:00 | 1.3 | 0.08 | 0.57 | 0.07 | 0.01 | 0.05 | 0.02 |
| 33 | 8:15 | 1.5 | 0.10 | 0.56 | 0.09 | 0.01 | 0.06 | 0.02 |
| 34 | 8:30 | 1.5 | 0.10 | 0.55 | 0.09 | 0.01 | 0.06 | 0.02 |
| 35 | 8:45 | 1.6 | 0.10 | 0.55 | 0.09 | 0.01 | 0.06 | 0.02 |
| 36 | 9:00 | 1.7 | 0.11 | 0.54 | 0.10 | 0.01 | 0.07 | 0.02 |
| 37 | 9:15 | 1.9 | 0.12 | 0.53 | 0.11 | 0.01 | 0.08 | 0.02 |
| 38 | 9:30 | 2.0 | 0.13 | 0.52 | 0.12 | 0.01 | 0.08 | 0.02 |
| 39 | 9:45 | 2.1 | 0.13 | 0.52 | 0.12 | 0.01 | 0.08 | 0.03 |
| 40 | 10:00 | 2.2 | 0.14 | 0.51 | 0.13 | 0.01 | 0.09 | 0.03 |
| 41 | 10:15 | 1.5 | 0.10 | 0.50 | 0.09 | 0.01 | 0.06 | 0.03 |
| 42 | 10:30 | 1.5 | 0.10 | 0.49 | 0.09 | 0.01 | 0.06 | 0.03 |
| 43 | 10:45 | 2.0 | 0.13 | 0.49 | 0.12 | 0.01 | 0.08 | 0.03 |
| 44 | 11:00 | 2.0 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.03 |
| 45 | 11:15 | 1.9 | 0.12 | 0.47 | 0.11 | 0.01 | 0.08 | 0.04 |
| 46 | 11:30 | 1.9 | 0.12 | 0.47 | 0.11 | 0.01 | 0.08 | 0.04 |
| 47 | 11:45 | 1.7 | 0.11 | 0.46 | 0.10 | 0.01 | 0.07 | 0.04 |
| 48 | 12:00 | 1.8 | 0.12 | 0.45 | 0.10 | 0.01 | 0.07 | 0.04 |
| 49 | 12:15 | 2.5 | 0.16 | 0.45 | 0.14 | 0.02 | 0.10 | 0.04 |
| 50 | 12:30 | 2.6 | 0.17 | 0.44 | 0.15 | 0.02 | 0.10 | 0.04 |
| 51 | 12:45 | 2.8 | 0.18 | 0.43 | 0.16 | 0.02 | 0.11 | 0.05 |
| 52 | 13:00 | 2.9 | 0.19 | 0.43 | 0.17 | 0.02 | 0.12 | 0.05 |
| 53 | 13:15 | 3.4 | 0.22 | 0.42 | 0.20 | 0.02 | 0.14 | 0.05 |
| 54 | 13:30 | 3.4 | 0.22 | 0.41 | 0.20 | 0.02 | 0.14 | 0.05 |
| 55 | 13:45 | 2.3 | 0.15 | 0.41 | 0.13 | 0.01 | 0.09 | 0.06 |
| 56 | 14:00 | 2.3 | 0.15 | 0.40 | 0.13 | 0.01 | 0.09 | 0.06 |
| 57 | 14:15 | 2.7 | 0.17 | 0.39 | 0.16 | 0.02 | 0.11 | 0.06 |
| 58 | 14:30 | 2.6 | 0.17 | 0.39 | 0.15 | 0.02 | 0.10 | 0.06 |
| 59 | 14:45 | 2.6 | 0.17 | 0.38 | 0.15 | 0.02 | 0.10 | 0.06 |
| 60 | 15:00 | 2.5 | 0.16 | 0.38 | 0.14 | 0.02 | 0.10 | 0.07 |
| 61 | 15:15 | 2.4 | 0.15 | 0.37 | 0.14 | 0.02 | 0.10 | 0.07 |
| 62 | 15:30 | 2.3 | 0.15 | 0.37 | 0.13 | 0.01 | 0.09 | 0.07 |
| 63 | 15:45 | 1.9 | 0.12 | 0.36 | 0.11 | 0.01 | 0.08 | 0.07 |
| 64 | 16:00 | 1.9 | 0.12 | 0.35 | 0.11 | 0.01 | 0.08 | 0.07 |
| 65 | 16:15 | 0.4 | 0.03 | 0.35 | 0.02 | 0.00 | 0.02 | 0.07 |
| 66 | 16:30 | 0.4 | 0.03 | 0.34 | 0.02 | 0.00 | 0.02 | 0.08 |
| 67 | 16:45 | 0.3 | 0.02 | 0.34 | 0.02 | 0.00 | 0.01 | 0.08 |
| 68 | 17:00 | 0.3 | 0.02 | 0.33 | 0.02 | 0.00 | 0.01 | 0.08 |
| 69 | 17:15 | 0.5 | 0.03 | 0.33 | 0.03 | 0.00 | 0.02 | 0.08 |
| 70 | 17:30 | 0.5 | 0.03 | 0.32 | 0.03 | 0.00 | 0.02 | 0.08 |
| 71 | 17:45 | 0.5 | 0.03 | 0.32 | 0.03 | 0.00 | 0.02 | 0.08 |
| 72 | 18:00 | 0.4 | 0.03 | 0.31 | 0.02 | 0.00 | 0.02 | 0.08 |
| 73 | 18:15 | 0.4 | 0.03 | 0.31 | 0.02 | 0.00 | 0.02 | 0.08 |
| 74 | 18:30 | 0.4 | 0.03 | 0.30 | 0.02 | 0.00 | 0.02 | 0.08 |
| 75 | 18:45 | 0.3 | 0.02 | 0.30 | 0.02 | 0.00 | 0.01 | 0.08 |
| 76 | 19:00 | 0.2 | 0.01 | 0.30 | 0.01 | 0.00 | 0.01 | 0.08 |
| 77 | 19:15 | 0.3 | 0.02 | 0.29 | 0.02 | 0.00 | 0.01 | 0.08 |
| 78 | 19:30 | 0.4 | 0.03 | 0.29 | 0.02 | 0.00 | 0.02 | 0.08 |
| 79 | 19:45 | 0.3 | 0.02 | 0.28 | 0.02 | 0.00 | 0.01 | 0.08 |
| 80 | 20:00 | 0.2 | 0.01 | 0.28 | 0.01 | 0.00 | 0.01 | 0.08 |
| 81 | 20:15 | 0.3 | 0.02 | 0.28 | 0.02 | 0.00 | 0.01 | 0.08 |
| 82 | 20:30 | 0.3 | 0.02 | 0.27 | 0.02 | 0.00 | 0.01 | 0.08 |
| 83 | 20:45 | 0.3 | 0.02 | 0.27 | 0.02 | 0.00 | 0.01 | 0.08 |
| 84 | 21:00 | 0.2 | 0.01 | 0.27 | 0.01 | 0.00 | 0.01 | 0.08 |
| 85 | 21:15 | 0.3 | 0.02 | 0.26 | 0.02 | 0.00 | 0.01 | 0.08 |
| 86 | 21:30 | 0.2 | 0.01 | 0.26 | 0.01 | 0.00 | 0.01 | 0.08 |
| 87 | 21:45 | 0.3 | 0.02 | 0.26 | 0.02 | 0.00 | 0.01 | 0.08 |
| 88 | 22:00 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.01 | 0.08 |
| 89 | 22:15 | 0.3 | 0.02 | 0.25 | 0.02 | 0.00 | 0.01 | 0.08 |
| 90 | 22:30 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.01 | 0.08 |
| 91 | 22:45 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.01 | 0.08 |
| 92 | 23:00 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.01 | 0.08 |
| 93 | 23:15 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.01 | 0.08 |
| 94 | 23:30 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.01 | 0.08 |
| 95 | 23:45 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.01 | 0.08 |
| 96 | 0:00 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.01 | 0.08 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 2.5 |
| AMC | | III |
| RI | | 77.0 |
| Fp | (in/hr) | 0.14 |
| At | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.14 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.15 | 0.14 | 0.14 | 0.01 | 0.06 | 0.00 |
| 2 | 0:10 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.25 | 0.00 |
| 3 | 0:15 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.25 | 0.00 |
| 4 | 0:20 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.25 | 0.00 |
| 5 | 0:25 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.25 | 0.01 |
| 6 | 0:30 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.44 | 0.01 |
| 7 | 0:35 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.44 | 0.01 |
| 8 | 0:40 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.44 | 0.01 |
| 9 | 0:45 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.44 | 0.02 |
| 10 | 0:50 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.44 | 0.02 |
| 11 | 0:55 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.44 | 0.02 |
| 12 | 1:00 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.63 | 0.03 |
| 13 | 1:05 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.63 | 0.03 |
| 14 | 1:10 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.63 | 0.04 |
| 15 | 1:15 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.63 | 0.04 |
| 16 | 1:20 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.63 | 0.04 |
| 17 | 1:25 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.63 | 0.05 |
| 18 | 1:30 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.63 | 0.05 |
| 19 | 1:35 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.63 | 0.06 |
| 20 | 1:40 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.63 | 0.06 |
| 21 | 1:45 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.63 | 0.07 |
| 22 | 1:50 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.63 | 0.07 |
| 23 | 1:55 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.63 | 0.07 |
| 24 | 2:00 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.81 | 0.08 |
| 25 | 2:05 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.63 | 0.08 |
| 26 | 2:10 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.81 | 0.09 |
| 27 | 2:15 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.81 | 0.10 |
| 28 | 2:20 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.81 | 0.10 |
| 29 | 2:25 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.81 | 0.11 |
| 30 | 2:30 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.81 | 0.11 |
| 31 | 2:35 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.81 | 0.12 |
| 32 | 2:40 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.81 | 0.12 |
| 33 | 2:45 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.00 | 0.13 |
| 34 | 2:50 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.00 | 0.14 |
| 35 | 2:55 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.00 | 0.14 |
| 36 | 3:00 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.00 | 0.15 |
| 37 | 3:05 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.00 | 0.16 |
| 38 | 3:10 | 1.1 | 0.33 | 0.14 | 0.30 | 0.19 | 1.19 | 0.16 |
| 39 | 3:15 | 1.1 | 0.33 | 0.14 | 0.30 | 0.19 | 1.19 | 0.17 |
| 40 | 3:20 | 1.1 | 0.33 | 0.14 | 0.30 | 0.19 | 1.19 | 0.18 |
| 41 | 3:25 | 1.2 | 0.36 | 0.14 | 0.32 | 0.22 | 1.38 | 0.19 |
| 42 | 3:30 | 1.3 | 0.39 | 0.14 | 0.35 | 0.25 | 1.56 | 0.20 |
| 43 | 3:35 | 1.4 | 0.42 | 0.14 | 0.38 | 0.28 | 1.75 | 0.21 |
| 44 | 3:40 | 1.4 | 0.42 | 0.14 | 0.38 | 0.28 | 1.75 | 0.22 |
| 45 | 3:45 | 1.5 | 0.45 | 0.14 | 0.41 | 0.31 | 1.94 | 0.24 |
| 46 | 3:50 | 1.5 | 0.45 | 0.14 | 0.41 | 0.31 | 1.94 | 0.25 |
| 47 | 3:55 | 1.6 | 0.48 | 0.14 | 0.43 | 0.34 | 2.13 | 0.26 |
| 48 | 4:00 | 1.6 | 0.48 | 0.14 | 0.43 | 0.34 | 2.13 | 0.28 |
| 49 | 4:05 | 1.7 | 0.51 | 0.14 | 0.46 | 0.37 | 2.31 | 0.29 |
| 50 | 4:10 | 1.8 | 0.54 | 0.14 | 0.49 | 0.40 | 2.50 | 0.31 |
| 51 | 4:15 | 1.9 | 0.57 | 0.14 | 0.51 | 0.43 | 2.69 | 0.33 |
| 52 | 4:20 | 2.0 | 0.60 | 0.14 | 0.54 | 0.46 | 2.88 | 0.35 |
| 53 | 4:25 | 2.1 | 0.63 | 0.14 | 0.57 | 0.49 | 3.06 | 0.37 |
| 54 | 4:30 | 2.1 | 0.63 | 0.14 | 0.57 | 0.49 | 3.06 | 0.39 |
| 55 | 4:35 | 2.2 | 0.66 | 0.14 | 0.59 | 0.52 | 3.25 | 0.41 |
| 56 | 4:40 | 2.3 | 0.69 | 0.14 | 0.62 | 0.55 | 3.44 | 0.43 |
| 57 | 4:45 | 2.4 | 0.72 | 0.14 | 0.65 | 0.58 | 3.63 | 0.46 |
| 58 | 4:50 | 2.4 | 0.72 | 0.14 | 0.65 | 0.58 | 3.63 | 0.48 |
| 59 | 4:55 | 2.5 | 0.75 | 0.14 | 0.68 | 0.61 | 3.81 | 0.51 |
| 60 | 5:00 | 2.6 | 0.78 | 0.14 | 0.70 | 0.64 | 4.00 | 0.54 |
| 61 | 5:05 | 3.1 | 0.93 | 0.14 | 0.84 | 0.79 | 4.94 | 0.57 |
| 62 | 5:10 | 3.6 | 1.08 | 0.14 | 0.97 | 0.94 | 5.88 | 0.60 |
| 63 | 5:15 | 3.9 | 1.17 | 0.14 | 1.05 | 1.03 | 6.44 | 0.65 |
| 64 | 5:20 | 4.2 | 1.26 | 0.14 | 1.13 | 1.12 | 7.00 | 0.69 |
| 65 | 5:25 | 4.7 | 1.41 | 0.14 | 1.27 | 1.27 | 7.94 | 0.74 |
| 66 | 5:30 | 5.6 | 1.68 | 0.14 | 1.51 | 1.54 | 9.63 | 0.80 |
| 67 | 5:35 | 1.9 | 0.57 | 0.14 | 0.51 | 0.43 | 2.69 | 0.85 |
| 68 | 5:40 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 0.81 | 0.86 |
| 69 | 5:45 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.25 | 0.86 |
| 70 | 5:50 | 0.5 | 0.15 | 0.14 | 0.14 | 0.01 | 0.06 | 0.86 |
| 71 | 5:55 | 0.3 | 0.09 | 0.14 | 0.08 | 0.01 | 0.06 | 0.86 |
| 72 | 6:00 | 0.2 | 0.06 | 0.14 | 0.05 | 0.01 | 0.04 | 0.86 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.7 |
| AMC | | II |
| RI | | 77.0 |
| Fp | (in/hr) | 0.28 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.28 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.10 | 0.28 | 0.09 | 0.01 | 0.06 | 0.00 |
| 2 | 0:10 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.08 | 0.00 |
| 3 | 0:15 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.08 | 0.00 |
| 4 | 0:20 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.08 | 0.00 |
| 5 | 0:25 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.08 | 0.00 |
| 6 | 0:30 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.09 | 0.00 |
| 7 | 0:35 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.09 | 0.00 |
| 8 | 0:40 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.09 | 0.00 |
| 9 | 0:45 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.09 | 0.00 |
| 10 | 0:50 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.09 | 0.01 |
| 11 | 0:55 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.09 | 0.01 |
| 12 | 1:00 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.10 | 0.01 |
| 13 | 1:05 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.10 | 0.01 |
| 14 | 1:10 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.10 | 0.01 |
| 15 | 1:15 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.10 | 0.01 |
| 16 | 1:20 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.10 | 0.01 |
| 17 | 1:25 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.10 | 0.01 |
| 18 | 1:30 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.10 | 0.01 |
| 19 | 1:35 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.10 | 0.01 |
| 20 | 1:40 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.10 | 0.01 |
| 21 | 1:45 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.10 | 0.01 |
| 22 | 1:50 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.10 | 0.01 |
| 23 | 1:55 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.10 | 0.01 |
| 24 | 2:00 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.11 | 0.02 |
| 25 | 2:05 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.10 | 0.02 |
| 26 | 2:10 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.11 | 0.02 |
| 27 | 2:15 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.11 | 0.02 |
| 28 | 2:20 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.11 | 0.02 |
| 29 | 2:25 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.11 | 0.02 |
| 30 | 2:30 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.11 | 0.02 |
| 31 | 2:35 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.11 | 0.02 |
| 32 | 2:40 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.11 | 0.02 |
| 33 | 2:45 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.13 | 0.02 |
| 34 | 2:50 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.13 | 0.02 |
| 35 | 2:55 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.13 | 0.02 |
| 36 | 3:00 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.13 | 0.02 |
| 37 | 3:05 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.13 | 0.03 |
| 38 | 3:10 | 1.1 | 0.22 | 0.28 | 0.20 | 0.02 | 0.14 | 0.03 |
| 39 | 3:15 | 1.1 | 0.22 | 0.28 | 0.20 | 0.02 | 0.14 | 0.03 |
| 40 | 3:20 | 1.1 | 0.22 | 0.28 | 0.20 | 0.02 | 0.14 | 0.03 |
| 41 | 3:25 | 1.2 | 0.24 | 0.28 | 0.22 | 0.02 | 0.15 | 0.03 |
| 42 | 3:30 | 1.3 | 0.27 | 0.28 | 0.24 | 0.03 | 0.17 | 0.03 |
| 43 | 3:35 | 1.4 | 0.29 | 0.28 | 0.26 | 0.01 | 0.03 | 0.03 |
| 44 | 3:40 | 1.4 | 0.29 | 0.28 | 0.26 | 0.01 | 0.03 | 0.03 |
| 45 | 3:45 | 1.5 | 0.31 | 0.28 | 0.28 | 0.03 | 0.16 | 0.03 |
| 46 | 3:50 | 1.5 | 0.31 | 0.28 | 0.28 | 0.03 | 0.16 | 0.03 |
| 47 | 3:55 | 1.6 | 0.33 | 0.28 | 0.29 | 0.05 | 0.29 | 0.03 |
| 48 | 4:00 | 1.6 | 0.33 | 0.28 | 0.29 | 0.05 | 0.29 | 0.04 |
| 49 | 4:05 | 1.7 | 0.35 | 0.28 | 0.31 | 0.07 | 0.42 | 0.04 |
| 50 | 4:10 | 1.8 | 0.37 | 0.28 | 0.33 | 0.09 | 0.55 | 0.04 |
| 51 | 4:15 | 1.9 | 0.39 | 0.28 | 0.35 | 0.11 | 0.67 | 0.05 |
| 52 | 4:20 | 2.0 | 0.41 | 0.28 | 0.37 | 0.13 | 0.80 | 0.05 |
| 53 | 4:25 | 2.1 | 0.43 | 0.28 | 0.39 | 0.15 | 0.93 | 0.06 |
| 54 | 4:30 | 2.1 | 0.43 | 0.28 | 0.39 | 0.15 | 0.93 | 0.06 |
| 55 | 4:35 | 2.2 | 0.45 | 0.28 | 0.40 | 0.17 | 1.06 | 0.07 |
| 56 | 4:40 | 2.3 | 0.47 | 0.28 | 0.42 | 0.19 | 1.18 | 0.08 |
| 57 | 4:45 | 2.4 | 0.49 | 0.28 | 0.44 | 0.21 | 1.31 | 0.09 |
| 58 | 4:50 | 2.4 | 0.49 | 0.28 | 0.44 | 0.21 | 1.31 | 0.10 |
| 59 | 4:55 | 2.5 | 0.51 | 0.28 | 0.46 | 0.23 | 1.44 | 0.11 |
| 60 | 5:00 | 2.6 | 0.53 | 0.28 | 0.48 | 0.25 | 1.57 | 0.12 |
| 61 | 5:05 | 3.1 | 0.63 | 0.28 | 0.57 | 0.35 | 2.20 | 0.13 |
| 62 | 5:10 | 3.6 | 0.73 | 0.28 | 0.66 | 0.45 | 2.84 | 0.15 |
| 63 | 5:15 | 3.9 | 0.80 | 0.28 | 0.72 | 0.52 | 3.22 | 0.17 |
| 64 | 5:20 | 4.2 | 0.86 | 0.28 | 0.77 | 0.58 | 3.61 | 0.19 |
| 65 | 5:25 | 4.7 | 0.96 | 0.28 | 0.86 | 0.68 | 4.24 | 0.22 |
| 66 | 5:30 | 5.6 | 1.14 | 0.28 | 1.03 | 0.86 | 5.39 | 0.25 |
| 67 | 5:35 | 1.9 | 0.39 | 0.28 | 0.35 | 0.11 | 0.67 | 0.27 |
| 68 | 5:40 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.11 | 0.27 |
| 69 | 5:45 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.08 | 0.28 |
| 70 | 5:50 | 0.5 | 0.10 | 0.28 | 0.09 | 0.01 | 0.06 | 0.28 |
| 71 | 5:55 | 0.3 | 0.06 | 0.28 | 0.06 | 0.01 | 0.04 | 0.28 |
| 72 | 6:00 | 0.2 | 0.04 | 0.28 | 0.04 | 0.00 | 0.03 | 0.28 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.4 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| At | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.08 | 0.48 | 0.08 | 0.01 | 0.05 | 0.00 |
| 2 | 0:10 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.00 |
| 3 | 0:15 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.00 |
| 4 | 0:20 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.00 |
| 5 | 0:25 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.00 |
| 6 | 0:30 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.07 | 0.00 |
| 7 | 0:35 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.07 | 0.00 |
| 8 | 0:40 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.07 | 0.00 |
| 9 | 0:45 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.07 | 0.00 |
| 10 | 0:50 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.07 | 0.00 |
| 11 | 0:55 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.07 | 0.00 |
| 12 | 1:00 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.01 |
| 13 | 1:05 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.01 |
| 14 | 1:10 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.01 |
| 15 | 1:15 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.01 |
| 16 | 1:20 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.01 |
| 17 | 1:25 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.01 |
| 18 | 1:30 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.01 |
| 19 | 1:35 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.01 |
| 20 | 1:40 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.01 |
| 21 | 1:45 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.01 |
| 22 | 1:50 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.01 |
| 23 | 1:55 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.01 |
| 24 | 2:00 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.09 | 0.01 |
| 25 | 2:05 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.01 |
| 26 | 2:10 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.09 | 0.01 |
| 27 | 2:15 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.09 | 0.01 |
| 28 | 2:20 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.09 | 0.01 |
| 29 | 2:25 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.09 | 0.02 |
| 30 | 2:30 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.09 | 0.02 |
| 31 | 2:35 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.09 | 0.02 |
| 32 | 2:40 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.09 | 0.02 |
| 33 | 2:45 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.11 | 0.02 |
| 34 | 2:50 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.11 | 0.02 |
| 35 | 2:55 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.11 | 0.02 |
| 36 | 3:00 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.11 | 0.02 |
| 37 | 3:05 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.11 | 0.02 |
| 38 | 3:10 | 1.1 | 0.18 | 0.48 | 0.17 | 0.02 | 0.12 | 0.02 |
| 39 | 3:15 | 1.1 | 0.18 | 0.48 | 0.17 | 0.02 | 0.12 | 0.02 |
| 40 | 3:20 | 1.1 | 0.18 | 0.48 | 0.17 | 0.02 | 0.12 | 0.02 |
| 41 | 3:25 | 1.2 | 0.20 | 0.48 | 0.18 | 0.02 | 0.13 | 0.02 |
| 42 | 3:30 | 1.3 | 0.22 | 0.48 | 0.20 | 0.02 | 0.14 | 0.03 |
| 43 | 3:35 | 1.4 | 0.24 | 0.48 | 0.21 | 0.02 | 0.15 | 0.03 |
| 44 | 3:40 | 1.4 | 0.24 | 0.48 | 0.21 | 0.02 | 0.15 | 0.03 |
| 45 | 3:45 | 1.5 | 0.25 | 0.48 | 0.23 | 0.03 | 0.16 | 0.03 |
| 46 | 3:50 | 1.5 | 0.25 | 0.48 | 0.23 | 0.03 | 0.16 | 0.03 |
| 47 | 3:55 | 1.6 | 0.27 | 0.48 | 0.24 | 0.03 | 0.17 | 0.03 |
| 48 | 4:00 | 1.6 | 0.27 | 0.48 | 0.24 | 0.03 | 0.17 | 0.03 |
| 49 | 4:05 | 1.7 | 0.29 | 0.48 | 0.26 | 0.03 | 0.18 | 0.03 |
| 50 | 4:10 | 1.8 | 0.30 | 0.48 | 0.27 | 0.03 | 0.19 | 0.03 |
| 51 | 4:15 | 1.9 | 0.32 | 0.48 | 0.29 | 0.03 | 0.20 | 0.04 |
| 52 | 4:20 | 2.0 | 0.34 | 0.48 | 0.30 | 0.03 | 0.21 | 0.04 |
| 53 | 4:25 | 2.1 | 0.35 | 0.48 | 0.32 | 0.04 | 0.22 | 0.04 |
| 54 | 4:30 | 2.1 | 0.35 | 0.48 | 0.32 | 0.04 | 0.22 | 0.04 |
| 55 | 4:35 | 2.2 | 0.37 | 0.48 | 0.33 | 0.04 | 0.23 | 0.04 |
| 56 | 4:40 | 2.3 | 0.39 | 0.48 | 0.35 | 0.04 | 0.24 | 0.04 |
| 57 | 4:45 | 2.4 | 0.40 | 0.48 | 0.36 | 0.04 | 0.25 | 0.04 |
| 58 | 4:50 | 2.4 | 0.40 | 0.48 | 0.36 | 0.04 | 0.25 | 0.05 |
| 59 | 4:55 | 2.5 | 0.42 | 0.48 | 0.38 | 0.04 | 0.26 | 0.05 |
| 60 | 5:00 | 2.6 | 0.44 | 0.48 | 0.39 | 0.04 | 0.27 | 0.05 |
| 61 | 5:05 | 3.1 | 0.52 | 0.48 | 0.47 | 0.04 | 0.26 | 0.05 |
| 62 | 5:10 | 3.6 | 0.60 | 0.48 | 0.54 | 0.12 | 0.78 | 0.06 |
| 63 | 5:15 | 3.9 | 0.66 | 0.48 | 0.59 | 0.18 | 1.10 | 0.06 |
| 64 | 5:20 | 4.2 | 0.71 | 0.48 | 0.64 | 0.23 | 1.41 | 0.07 |
| 65 | 5:25 | 4.7 | 0.79 | 0.48 | 0.71 | 0.31 | 1.94 | 0.08 |
| 66 | 5:30 | 5.6 | 0.94 | 0.48 | 0.85 | 0.46 | 2.88 | 0.10 |
| 67 | 5:35 | 1.9 | 0.32 | 0.48 | 0.29 | 0.03 | 0.20 | 0.11 |
| 68 | 5:40 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.09 | 0.11 |
| 69 | 5:45 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.11 |
| 70 | 5:50 | 0.5 | 0.08 | 0.48 | 0.08 | 0.01 | 0.05 | 0.11 |
| 71 | 5:55 | 0.3 | 0.05 | 0.48 | 0.05 | 0.01 | 0.03 | 0.11 |
| 72 | 6:00 | 0.2 | 0.03 | 0.48 | 0.03 | 0.00 | 0.02 | 0.11 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.0 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.06 | 0.48 | 0.05 | 0.01 | 0.04 | 0.00 |
| 2 | 0:10 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.05 | 0.00 |
| 3 | 0:15 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.05 | 0.00 |
| 4 | 0:20 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.05 | 0.00 |
| 5 | 0:25 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.05 | 0.00 |
| 6 | 0:30 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.05 | 0.00 |
| 7 | 0:35 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.05 | 0.00 |
| 8 | 0:40 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.05 | 0.00 |
| 9 | 0:45 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.05 | 0.00 |
| 10 | 0:50 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.05 | 0.00 |
| 11 | 0:55 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.05 | 0.00 |
| 12 | 1:00 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.00 |
| 13 | 1:05 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.00 |
| 14 | 1:10 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.00 |
| 15 | 1:15 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.01 |
| 16 | 1:20 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.01 |
| 17 | 1:25 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.01 |
| 18 | 1:30 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.01 |
| 19 | 1:35 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.01 |
| 20 | 1:40 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.01 |
| 21 | 1:45 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.01 |
| 22 | 1:50 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.01 |
| 23 | 1:55 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.01 |
| 24 | 2:00 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.07 | 0.01 |
| 25 | 2:05 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.06 | 0.01 |
| 26 | 2:10 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.07 | 0.01 |
| 27 | 2:15 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.07 | 0.01 |
| 28 | 2:20 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.07 | 0.01 |
| 29 | 2:25 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.07 | 0.01 |
| 30 | 2:30 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.07 | 0.01 |
| 31 | 2:35 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.07 | 0.01 |
| 32 | 2:40 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.07 | 0.01 |
| 33 | 2:45 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.01 |
| 34 | 2:50 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.01 |
| 35 | 2:55 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.01 |
| 36 | 3:00 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.01 |
| 37 | 3:05 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.02 |
| 38 | 3:10 | 1.1 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.02 |
| 39 | 3:15 | 1.1 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.02 |
| 40 | 3:20 | 1.1 | 0.13 | 0.48 | 0.12 | 0.01 | 0.08 | 0.02 |
| 41 | 3:25 | 1.2 | 0.14 | 0.48 | 0.13 | 0.01 | 0.09 | 0.02 |
| 42 | 3:30 | 1.3 | 0.16 | 0.48 | 0.14 | 0.02 | 0.10 | 0.02 |
| 43 | 3:35 | 1.4 | 0.17 | 0.48 | 0.15 | 0.02 | 0.11 | 0.02 |
| 44 | 3:40 | 1.4 | 0.17 | 0.48 | 0.15 | 0.02 | 0.11 | 0.02 |
| 45 | 3:45 | 1.5 | 0.18 | 0.48 | 0.16 | 0.02 | 0.11 | 0.02 |
| 46 | 3:50 | 1.5 | 0.18 | 0.48 | 0.16 | 0.02 | 0.11 | 0.02 |
| 47 | 3:55 | 1.6 | 0.19 | 0.48 | 0.17 | 0.02 | 0.12 | 0.02 |
| 48 | 4:00 | 1.6 | 0.19 | 0.48 | 0.17 | 0.02 | 0.12 | 0.02 |
| 49 | 4:05 | 1.7 | 0.20 | 0.48 | 0.18 | 0.02 | 0.13 | 0.02 |
| 50 | 4:10 | 1.8 | 0.22 | 0.48 | 0.19 | 0.02 | 0.14 | 0.02 |
| 51 | 4:15 | 1.9 | 0.23 | 0.48 | 0.21 | 0.02 | 0.14 | 0.03 |
| 52 | 4:20 | 2.0 | 0.24 | 0.48 | 0.22 | 0.02 | 0.15 | 0.03 |
| 53 | 4:25 | 2.1 | 0.25 | 0.48 | 0.23 | 0.03 | 0.16 | 0.03 |
| 54 | 4:30 | 2.1 | 0.25 | 0.48 | 0.23 | 0.03 | 0.16 | 0.03 |
| 55 | 4:35 | 2.2 | 0.26 | 0.48 | 0.24 | 0.03 | 0.17 | 0.03 |
| 56 | 4:40 | 2.3 | 0.28 | 0.48 | 0.25 | 0.03 | 0.17 | 0.03 |
| 57 | 4:45 | 2.4 | 0.29 | 0.48 | 0.26 | 0.03 | 0.18 | 0.03 |
| 58 | 4:50 | 2.4 | 0.29 | 0.48 | 0.26 | 0.03 | 0.18 | 0.03 |
| 59 | 4:55 | 2.5 | 0.30 | 0.48 | 0.27 | 0.03 | 0.19 | 0.03 |
| 60 | 5:00 | 2.6 | 0.31 | 0.48 | 0.28 | 0.03 | 0.20 | 0.04 |
| 61 | 5:05 | 3.1 | 0.37 | 0.48 | 0.33 | 0.04 | 0.23 | 0.04 |
| 62 | 5:10 | 3.6 | 0.43 | 0.48 | 0.39 | 0.04 | 0.27 | 0.04 |
| 63 | 5:15 | 3.9 | 0.47 | 0.48 | 0.42 | 0.05 | 0.29 | 0.04 |
| 64 | 5:20 | 4.2 | 0.50 | 0.48 | 0.45 | 0.02 | 0.15 | 0.04 |
| 65 | 5:25 | 4.7 | 0.56 | 0.48 | 0.51 | 0.08 | 0.53 | 0.04 |
| 66 | 5:30 | 5.6 | 0.67 | 0.48 | 0.60 | 0.19 | 1.20 | 0.05 |
| 67 | 5:35 | 1.9 | 0.23 | 0.48 | 0.21 | 0.02 | 0.14 | 0.06 |
| 68 | 5:40 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.07 | 0.06 |
| 69 | 5:45 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.05 | 0.06 |
| 70 | 5:50 | 0.5 | 0.06 | 0.48 | 0.05 | 0.01 | 0.04 | 0.06 |
| 71 | 5:55 | 0.3 | 0.04 | 0.48 | 0.03 | 0.00 | 0.02 | 0.06 |
| 72 | 6:00 | 0.2 | 0.02 | 0.48 | 0.02 | 0.00 | 0.02 | 0.06 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.9 |
| AMC | | III |
| RI | | 77.0 |
| Fp | (in/hr) | 0.14 |
| At | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.14 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.30 | 0.14 | 0.27 | 0.16 | 0.98 | 0.00 |
| 2 | 0:10 | 1.3 | 0.30 | 0.14 | 0.27 | 0.16 | 0.98 | 0.01 |
| 3 | 0:15 | 1.1 | 0.25 | 0.14 | 0.23 | 0.11 | 0.69 | 0.02 |
| 4 | 0:20 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 1.26 | 0.02 |
| 5 | 0:25 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 1.26 | 0.03 |
| 6 | 0:30 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 1.69 | 0.04 |
| 7 | 0:35 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 1.26 | 0.05 |
| 8 | 0:40 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 1.69 | 0.06 |
| 9 | 0:45 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 1.69 | 0.07 |
| 10 | 0:50 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 1.26 | 0.08 |
| 11 | 0:55 | 1.6 | 0.36 | 0.14 | 0.33 | 0.22 | 1.41 | 0.09 |
| 12 | 1:00 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 1.69 | 0.10 |
| 13 | 1:05 | 2.2 | 0.50 | 0.14 | 0.45 | 0.36 | 2.26 | 0.12 |
| 14 | 1:10 | 2.2 | 0.50 | 0.14 | 0.45 | 0.36 | 2.26 | 0.13 |
| 15 | 1:15 | 2.2 | 0.50 | 0.14 | 0.45 | 0.36 | 2.26 | 0.15 |
| 16 | 1:20 | 2.0 | 0.46 | 0.14 | 0.41 | 0.32 | 1.98 | 0.16 |
| 17 | 1:25 | 2.6 | 0.59 | 0.14 | 0.53 | 0.45 | 2.83 | 0.18 |
| 18 | 1:30 | 2.7 | 0.62 | 0.14 | 0.55 | 0.48 | 2.97 | 0.20 |
| 19 | 1:35 | 2.4 | 0.55 | 0.14 | 0.49 | 0.41 | 2.55 | 0.22 |
| 20 | 1:40 | 2.7 | 0.62 | 0.14 | 0.55 | 0.48 | 2.97 | 0.24 |
| 21 | 1:45 | 3.3 | 0.75 | 0.14 | 0.68 | 0.61 | 3.83 | 0.26 |
| 22 | 1:50 | 3.1 | 0.71 | 0.14 | 0.64 | 0.57 | 3.54 | 0.29 |
| 23 | 1:55 | 2.9 | 0.66 | 0.14 | 0.60 | 0.52 | 3.26 | 0.31 |
| 24 | 2:00 | 3.0 | 0.68 | 0.14 | 0.62 | 0.54 | 3.40 | 0.33 |
| 25 | 2:05 | 3.1 | 0.71 | 0.14 | 0.64 | 0.57 | 3.54 | 0.36 |
| 26 | 2:10 | 4.2 | 0.96 | 0.14 | 0.86 | 0.82 | 5.11 | 0.39 |
| 27 | 2:15 | 5.0 | 1.14 | 0.14 | 1.03 | 1.00 | 6.25 | 0.43 |
| 28 | 2:20 | 3.5 | 0.80 | 0.14 | 0.72 | 0.66 | 4.11 | 0.46 |
| 29 | 2:25 | 6.8 | 1.55 | 0.14 | 1.40 | 1.41 | 8.82 | 0.51 |
| 30 | 2:30 | 7.3 | 1.66 | 0.14 | 1.50 | 1.52 | 9.53 | 0.57 |
| 31 | 2:35 | 8.2 | 1.87 | 0.14 | 1.68 | 1.73 | 10.81 | 0.64 |
| 32 | 2:40 | 5.9 | 1.35 | 0.14 | 1.21 | 1.21 | 7.53 | 0.70 |
| 33 | 2:45 | 2.0 | 0.46 | 0.14 | 0.41 | 0.32 | 1.98 | 0.73 |
| 34 | 2:50 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 1.69 | 0.75 |
| 35 | 2:55 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 1.69 | 0.76 |
| 36 | 3:00 | 0.6 | 0.14 | 0.14 | 0.12 | 0.01 | 0.09 | 0.76 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.3 |
| AMC | | II |
| RI | | 77.0 |
| Fp | (in/hr) | 0.28 |
| At | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.28 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.20 | 0.28 | 0.18 | 0.02 | 0.13 | 0.00 |
| 2 | 0:10 | 1.3 | 0.20 | 0.28 | 0.18 | 0.02 | 0.13 | 0.00 |
| 3 | 0:15 | 1.1 | 0.17 | 0.28 | 0.15 | 0.02 | 0.11 | 0.00 |
| 4 | 0:20 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 0.15 | 0.00 |
| 5 | 0:25 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 0.15 | 0.00 |
| 6 | 0:30 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.00 |
| 7 | 0:35 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 0.15 | 0.01 |
| 8 | 0:40 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.01 |
| 9 | 0:45 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.01 |
| 10 | 0:50 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 0.15 | 0.01 |
| 11 | 0:55 | 1.6 | 0.25 | 0.28 | 0.22 | 0.02 | 0.16 | 0.01 |
| 12 | 1:00 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.01 |
| 13 | 1:05 | 2.2 | 0.34 | 0.28 | 0.31 | 0.06 | 0.40 | 0.01 |
| 14 | 1:10 | 2.2 | 0.34 | 0.28 | 0.31 | 0.06 | 0.40 | 0.01 |
| 15 | 1:15 | 2.2 | 0.34 | 0.28 | 0.31 | 0.06 | 0.40 | 0.01 |
| 16 | 1:20 | 2.0 | 0.31 | 0.28 | 0.28 | 0.03 | 0.20 | 0.02 |
| 17 | 1:25 | 2.6 | 0.41 | 0.28 | 0.37 | 0.13 | 0.79 | 0.02 |
| 18 | 1:30 | 2.7 | 0.42 | 0.28 | 0.38 | 0.14 | 0.88 | 0.03 |
| 19 | 1:35 | 2.4 | 0.37 | 0.28 | 0.34 | 0.09 | 0.59 | 0.03 |
| 20 | 1:40 | 2.7 | 0.42 | 0.28 | 0.38 | 0.14 | 0.88 | 0.04 |
| 21 | 1:45 | 3.3 | 0.51 | 0.28 | 0.46 | 0.23 | 1.47 | 0.04 |
| 22 | 1:50 | 3.1 | 0.48 | 0.28 | 0.44 | 0.20 | 1.27 | 0.05 |
| 23 | 1:55 | 2.9 | 0.45 | 0.28 | 0.41 | 0.17 | 1.08 | 0.06 |
| 24 | 2:00 | 3.0 | 0.47 | 0.28 | 0.42 | 0.19 | 1.18 | 0.07 |
| 25 | 2:05 | 3.1 | 0.48 | 0.28 | 0.44 | 0.20 | 1.27 | 0.08 |
| 26 | 2:10 | 4.2 | 0.66 | 0.28 | 0.59 | 0.38 | 2.35 | 0.09 |
| 27 | 2:15 | 5.0 | 0.78 | 0.28 | 0.70 | 0.50 | 3.13 | 0.11 |
| 28 | 2:20 | 3.5 | 0.55 | 0.28 | 0.49 | 0.27 | 1.66 | 0.13 |
| 29 | 2:25 | 6.8 | 1.06 | 0.28 | 0.95 | 0.78 | 4.88 | 0.15 |
| 30 | 2:30 | 7.3 | 1.14 | 0.28 | 1.02 | 0.86 | 5.37 | 0.18 |
| 31 | 2:35 | 8.2 | 1.28 | 0.28 | 1.15 | 1.00 | 6.25 | 0.22 |
| 32 | 2:40 | 5.9 | 0.92 | 0.28 | 0.83 | 0.64 | 4.00 | 0.26 |
| 33 | 2:45 | 2.0 | 0.31 | 0.28 | 0.28 | 0.03 | 0.20 | 0.27 |
| 34 | 2:50 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.27 |
| 35 | 2:55 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.27 |
| 36 | 3:00 | 0.6 | 0.09 | 0.28 | 0.08 | 0.01 | 0.06 | 0.27 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.1 |
| AMC | | 1 |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| At | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.17 | 0.48 | 0.15 | 0.02 | 0.11 | 0.00 |
| 2 | 0:10 | 1.3 | 0.17 | 0.48 | 0.15 | 0.02 | 0.11 | 0.00 |
| 3 | 0:15 | 1.1 | 0.15 | 0.48 | 0.13 | 0.01 | 0.09 | 0.00 |
| 4 | 0:20 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 0.12 | 0.00 |
| 5 | 0:25 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 0.12 | 0.00 |
| 6 | 0:30 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.15 | 0.00 |
| 7 | 0:35 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 0.12 | 0.01 |
| 8 | 0:40 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.15 | 0.01 |
| 9 | 0:45 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.15 | 0.01 |
| 10 | 0:50 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 0.12 | 0.01 |
| 11 | 0:55 | 1.6 | 0.21 | 0.48 | 0.19 | 0.02 | 0.13 | 0.01 |
| 12 | 1:00 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.15 | 0.01 |
| 13 | 1:05 | 2.2 | 0.29 | 0.48 | 0.26 | 0.03 | 0.18 | 0.01 |
| 14 | 1:10 | 2.2 | 0.29 | 0.48 | 0.26 | 0.03 | 0.18 | 0.01 |
| 15 | 1:15 | 2.2 | 0.29 | 0.48 | 0.26 | 0.03 | 0.18 | 0.01 |
| 16 | 1:20 | 2.0 | 0.26 | 0.48 | 0.24 | 0.03 | 0.17 | 0.01 |
| 17 | 1:25 | 2.6 | 0.34 | 0.48 | 0.31 | 0.03 | 0.21 | 0.02 |
| 18 | 1:30 | 2.7 | 0.36 | 0.48 | 0.32 | 0.04 | 0.22 | 0.02 |
| 19 | 1:35 | 2.4 | 0.32 | 0.48 | 0.29 | 0.03 | 0.20 | 0.02 |
| 20 | 1:40 | 2.7 | 0.36 | 0.48 | 0.32 | 0.04 | 0.22 | 0.02 |
| 21 | 1:45 | 3.3 | 0.44 | 0.48 | 0.39 | 0.04 | 0.27 | 0.02 |
| 22 | 1:50 | 3.1 | 0.41 | 0.48 | 0.37 | 0.04 | 0.26 | 0.02 |
| 23 | 1:55 | 2.9 | 0.38 | 0.48 | 0.34 | 0.04 | 0.24 | 0.03 |
| 24 | 2:00 | 3.0 | 0.40 | 0.48 | 0.36 | 0.04 | 0.25 | 0.03 |
| 25 | 2:05 | 3.1 | 0.41 | 0.48 | 0.37 | 0.04 | 0.26 | 0.03 |
| 26 | 2:10 | 4.2 | 0.55 | 0.48 | 0.50 | 0.07 | 0.47 | 0.03 |
| 27 | 2:15 | 5.0 | 0.66 | 0.48 | 0.59 | 0.18 | 1.13 | 0.04 |
| 28 | 2:20 | 3.5 | 0.46 | 0.48 | 0.42 | 0.05 | 0.29 | 0.04 |
| 29 | 2:25 | 6.8 | 0.90 | 0.48 | 0.81 | 0.42 | 2.61 | 0.05 |
| 30 | 2:30 | 7.3 | 0.96 | 0.48 | 0.87 | 0.48 | 3.02 | 0.07 |
| 31 | 2:35 | 8.2 | 1.08 | 0.48 | 0.97 | 0.60 | 3.77 | 0.09 |
| 32 | 2:40 | 5.9 | 0.78 | 0.48 | 0.70 | 0.30 | 1.87 | 0.11 |
| 33 | 2:45 | 2.0 | 0.26 | 0.48 | 0.24 | 0.03 | 0.17 | 0.12 |
| 34 | 2:50 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.15 | 0.12 |
| 35 | 2:55 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.15 | 0.12 |
| 36 | 3:00 | 0.6 | 0.08 | 0.48 | 0.07 | 0.01 | 0.05 | 0.12 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 0.8 |
| AMC | | 1 |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| At | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.00 |
| 2 | 0:10 | 1.3 | 0.12 | 0.48 | 0.11 | 0.01 | 0.08 | 0.00 |
| 3 | 0:15 | 1.1 | 0.11 | 0.48 | 0.10 | 0.01 | 0.07 | 0.00 |
| 4 | 0:20 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.09 | 0.00 |
| 5 | 0:25 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.09 | 0.00 |
| 6 | 0:30 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.11 | 0.00 |
| 7 | 0:35 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.09 | 0.00 |
| 8 | 0:40 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.11 | 0.00 |
| 9 | 0:45 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.11 | 0.01 |
| 10 | 0:50 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.09 | 0.01 |
| 11 | 0:55 | 1.6 | 0.15 | 0.48 | 0.14 | 0.02 | 0.10 | 0.01 |
| 12 | 1:00 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.11 | 0.01 |
| 13 | 1:05 | 2.2 | 0.21 | 0.48 | 0.19 | 0.02 | 0.13 | 0.01 |
| 14 | 1:10 | 2.2 | 0.21 | 0.48 | 0.19 | 0.02 | 0.13 | 0.01 |
| 15 | 1:15 | 2.2 | 0.21 | 0.48 | 0.19 | 0.02 | 0.13 | 0.01 |
| 16 | 1:20 | 2.0 | 0.19 | 0.48 | 0.17 | 0.02 | 0.12 | 0.01 |
| 17 | 1:25 | 2.6 | 0.25 | 0.48 | 0.22 | 0.02 | 0.16 | 0.01 |
| 18 | 1:30 | 2.7 | 0.26 | 0.48 | 0.23 | 0.03 | 0.16 | 0.01 |
| 19 | 1:35 | 2.4 | 0.23 | 0.48 | 0.21 | 0.02 | 0.14 | 0.01 |
| 20 | 1:40 | 2.7 | 0.26 | 0.48 | 0.23 | 0.03 | 0.16 | 0.01 |
| 21 | 1:45 | 3.3 | 0.32 | 0.48 | 0.29 | 0.03 | 0.20 | 0.02 |
| 22 | 1:50 | 3.1 | 0.30 | 0.48 | 0.27 | 0.03 | 0.19 | 0.02 |
| 23 | 1:55 | 2.9 | 0.28 | 0.48 | 0.25 | 0.03 | 0.17 | 0.02 |
| 24 | 2:00 | 3.0 | 0.29 | 0.48 | 0.26 | 0.03 | 0.18 | 0.02 |
| 25 | 2:05 | 3.1 | 0.30 | 0.48 | 0.27 | 0.03 | 0.19 | 0.02 |
| 26 | 2:10 | 4.2 | 0.40 | 0.48 | 0.36 | 0.04 | 0.25 | 0.02 |
| 27 | 2:15 | 5.0 | 0.48 | 0.48 | 0.43 | 0.05 | 0.30 | 0.02 |
| 28 | 2:20 | 3.5 | 0.34 | 0.48 | 0.30 | 0.03 | 0.21 | 0.03 |
| 29 | 2:25 | 6.8 | 0.65 | 0.48 | 0.59 | 0.17 | 1.08 | 0.03 |
| 30 | 2:30 | 7.3 | 0.70 | 0.48 | 0.63 | 0.22 | 1.38 | 0.04 |
| 31 | 2:35 | 8.2 | 0.79 | 0.48 | 0.71 | 0.31 | 1.92 | 0.05 |
| 32 | 2:40 | 5.9 | 0.57 | 0.48 | 0.51 | 0.09 | 0.54 | 0.06 |
| 33 | 2:45 | 2.0 | 0.19 | 0.48 | 0.17 | 0.02 | 0.12 | 0.06 |
| 34 | 2:50 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.11 | 0.06 |
| 35 | 2:55 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.11 | 0.06 |
| 36 | 3:00 | 0.6 | 0.06 | 0.48 | 0.05 | 0.01 | 0.04 | 0.06 |

# Hydrologic Summary

BUILDING 3
PROP. CONDITION

## Watershed Characteristics

| | | |
|---|---|---|
| Area | (acres) | 6.25 |
| Soil | | C |
| Cover | | Commercial |

## Hydrograph Parameters

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Rainfall - 24-hr | (inches) | 4.0 | 2.6 | 2.2 | 1.6 | |
| Rainfall - 6-hr | (inches) | 2.5 | 1.7 | 1.4 | 1.0 | |
| Rainfall - 3-hr | (inches) | 1.9 | 1.3 | 1.1 | 0.8 | |
| AMC | | III | II | I | I | |
| RI | | 69 | 69 | 69 | 69 | Plate E-6.1 |
| Fp | (in/hr) | 0.21 | 0.40 | 0.60 | 0.60 | Plate E-6.2 |
| Ai | (decimal) | 0.90 | 0.90 | 0.90 | 0.90 | Plate E-6.3 |
| Low Loss | (decimal) | 0.18 | 0.18 | 0.18 | 0.18 | 0.9-(0.8Ai) |
| F | (in/hr) | 0.04 | 0.08 | 0.11 | 0.11 | Fp(1-0.9Ai) |
| Fm | (in/hr) | 0.02 | 0.04 | 0.06 | 0.06 | F/2 |
| C | | 0.00 | 0.00 | 0.00 | 0.00 | (F-Fm)/54 |

## Hydrograph Results

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Peak Flow | (cfs) | 3.19 | 1.80 | 1.26 | 0.75 | 24-hour |
| Peak Flow | (cfs) | 10.25 | 6.67 | 5.17 | 3.49 | 6-hour |
| Peak Flow | (cfs) | 11.44 | 7.52 | 6.05 | 4.21 | 3-hour |
| Total Runoff | (ac-ft) | 1.64 | 0.90 | 0.64 | 0.45 | 24-hour |
| Total Runoff | (ac-ft) | 1.17 | 0.65 | 0.41 | 0.32 | 6-hour |
| Total Runoff | (ac-ft) | 0.92 | 0.55 | 0.39 | 0.24 | 3-hour |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 4.0 |
| AMC | | III |
| Rl | | 69.0 |
| Fp | (in/hr) | 0.21 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.04 |
| Fm | (in/hr) | 0.02 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.03 | 0.07 | 0.01 | 0.03 | 0.16 | 0.00 |
| 2 | 0:30 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.25 | 0.01 |
| 3 | 0:45 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.25 | 0.01 |
| 4 | 1:00 | 0.4 | 0.06 | 0.07 | 0.01 | 0.05 | 0.33 | 0.02 |
| 5 | 1:15 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.25 | 0.02 |
| 6 | 1:30 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.25 | 0.03 |
| 7 | 1:45 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.25 | 0.03 |
| 8 | 2:00 | 0.4 | 0.06 | 0.06 | 0.01 | 0.05 | 0.33 | 0.04 |
| 9 | 2:15 | 0.4 | 0.06 | 0.06 | 0.01 | 0.05 | 0.33 | 0.05 |
| 10 | 2:30 | 0.4 | 0.06 | 0.06 | 0.01 | 0.00 | 0.00 | 0.05 |
| 11 | 2:45 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.11 | 0.05 |
| 12 | 3:00 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.11 | 0.05 |
| 13 | 3:15 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.12 | 0.06 |
| 14 | 3:30 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.12 | 0.06 |
| 15 | 3:45 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.13 | 0.06 |
| 16 | 4:00 | 0.6 | 0.10 | 0.06 | 0.02 | 0.04 | 0.23 | 0.06 |
| 17 | 4:15 | 0.6 | 0.10 | 0.06 | 0.02 | 0.04 | 0.24 | 0.07 |
| 18 | 4:30 | 0.7 | 0.11 | 0.06 | 0.02 | 0.05 | 0.34 | 0.07 |
| 19 | 4:45 | 0.7 | 0.11 | 0.06 | 0.02 | 0.06 | 0.35 | 0.08 |
| 20 | 5:00 | 0.8 | 0.13 | 0.06 | 0.02 | 0.07 | 0.45 | 0.09 |
| 21 | 5:15 | 0.6 | 0.10 | 0.06 | 0.02 | 0.04 | 0.26 | 0.10 |
| 22 | 5:30 | 0.7 | 0.11 | 0.05 | 0.02 | 0.06 | 0.36 | 0.10 |
| 23 | 5:45 | 0.8 | 0.13 | 0.05 | 0.02 | 0.07 | 0.46 | 0.11 |
| 24 | 6:00 | 0.8 | 0.13 | 0.05 | 0.02 | 0.08 | 0.47 | 0.12 |
| 25 | 6:15 | 0.9 | 0.14 | 0.05 | 0.03 | 0.09 | 0.57 | 0.13 |
| 26 | 6:30 | 0.9 | 0.14 | 0.05 | 0.03 | 0.09 | 0.58 | 0.14 |
| 27 | 6:45 | 1.0 | 0.16 | 0.05 | 0.03 | 0.11 | 0.68 | 0.16 |
| 28 | 7:00 | 1.0 | 0.16 | 0.05 | 0.03 | 0.11 | 0.69 | 0.17 |
| 29 | 7:15 | 1.0 | 0.16 | 0.05 | 0.03 | 0.11 | 0.69 | 0.19 |
| 30 | 7:30 | 1.1 | 0.18 | 0.05 | 0.03 | 0.13 | 0.80 | 0.20 |
| 31 | 7:45 | 1.2 | 0.19 | 0.05 | 0.03 | 0.14 | 0.90 | 0.22 |
| 32 | 8:00 | 1.3 | 0.21 | 0.05 | 0.04 | 0.16 | 1.00 | 0.24 |
| 33 | 8:15 | 1.5 | 0.24 | 0.05 | 0.04 | 0.19 | 1.21 | 0.26 |
| 34 | 8:30 | 1.5 | 0.24 | 0.05 | 0.04 | 0.19 | 1.21 | 0.29 |
| 35 | 8:45 | 1.6 | 0.26 | 0.05 | 0.05 | 0.21 | 1.32 | 0.31 |
| 36 | 9:00 | 1.7 | 0.27 | 0.04 | 0.05 | 0.23 | 1.42 | 0.34 |
| 37 | 9:15 | 1.9 | 0.30 | 0.04 | 0.05 | 0.26 | 1.62 | 0.37 |
| 38 | 9:30 | 2.0 | 0.32 | 0.04 | 0.06 | 0.28 | 1.73 | 0.41 |
| 39 | 9:45 | 2.1 | 0.34 | 0.04 | 0.06 | 0.29 | 1.83 | 0.44 |
| 40 | 10:00 | 2.2 | 0.35 | 0.04 | 0.06 | 0.31 | 1.94 | 0.48 |
| 41 | 10:15 | 1.5 | 0.24 | 0.04 | 0.04 | 0.20 | 1.24 | 0.52 |
| 42 | 10:30 | 1.5 | 0.24 | 0.04 | 0.04 | 0.20 | 1.24 | 0.54 |
| 43 | 10:45 | 2.0 | 0.32 | 0.04 | 0.06 | 0.28 | 1.75 | 0.57 |
| 44 | 11:00 | 2.0 | 0.32 | 0.04 | 0.06 | 0.28 | 1.75 | 0.61 |
| 45 | 11:15 | 1.9 | 0.30 | 0.04 | 0.05 | 0.26 | 1.65 | 0.64 |
| 46 | 11:30 | 1.9 | 0.30 | 0.04 | 0.05 | 0.27 | 1.66 | 0.68 |
| 47 | 11:45 | 1.7 | 0.27 | 0.04 | 0.05 | 0.23 | 1.46 | 0.71 |
| 48 | 12:00 | 1.8 | 0.29 | 0.04 | 0.05 | 0.25 | 1.56 | 0.74 |
| 49 | 12:15 | 2.5 | 0.40 | 0.04 | 0.07 | 0.36 | 2.27 | 0.78 |
| 50 | 12:30 | 2.6 | 0.42 | 0.04 | 0.07 | 0.38 | 2.37 | 0.83 |
| 51 | 12:45 | 2.8 | 0.45 | 0.04 | 0.08 | 0.41 | 2.58 | 0.88 |
| 52 | 13:00 | 2.9 | 0.46 | 0.04 | 0.08 | 0.43 | 2.68 | 0.93 |
| 53 | 13:15 | 3.4 | 0.54 | 0.03 | 0.10 | 0.51 | 3.18 | 0.99 |
| 54 | 13:30 | 3.4 | 0.54 | 0.03 | 0.10 | 0.51 | 3.19 | 1.06 |
| 55 | 13:45 | 2.3 | 0.37 | 0.03 | 0.07 | 0.33 | 2.09 | 1.11 |
| 56 | 14:00 | 2.3 | 0.37 | 0.03 | 0.07 | 0.33 | 2.09 | 1.16 |
| 57 | 14:15 | 2.7 | 0.43 | 0.03 | 0.08 | 0.40 | 2.49 | 1.21 |
| 58 | 14:30 | 2.6 | 0.42 | 0.03 | 0.07 | 0.38 | 2.40 | 1.26 |
| 59 | 14:45 | 2.6 | 0.42 | 0.03 | 0.07 | 0.38 | 2.40 | 1.31 |
| 60 | 15:00 | 2.5 | 0.40 | 0.03 | 0.07 | 0.37 | 2.30 | 1.35 |
| 61 | 15:15 | 2.4 | 0.38 | 0.03 | 0.07 | 0.35 | 2.21 | 1.40 |
| 62 | 15:30 | 2.3 | 0.37 | 0.03 | 0.07 | 0.34 | 2.11 | 1.45 |
| 63 | 15:45 | 1.9 | 0.30 | 0.03 | 0.05 | 0.27 | 1.71 | 1.48 |
| 64 | 16:00 | 1.9 | 0.30 | 0.03 | 0.05 | 0.27 | 1.72 | 1.52 |
| 65 | 16:15 | 0.4 | 0.06 | 0.03 | 0.01 | 0.03 | 0.22 | 1.54 |
| 66 | 16:30 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 0.22 | 1.54 |
| 67 | 16:45 | 0.3 | 0.05 | 0.03 | 0.01 | 0.02 | 0.12 | 1.55 |
| 68 | 17:00 | 0.3 | 0.05 | 0.03 | 0.01 | 0.02 | 0.13 | 1.55 |
| 69 | 17:15 | 0.5 | 0.08 | 0.03 | 0.01 | 0.05 | 0.33 | 1.56 |
| 70 | 17:30 | 0.5 | 0.08 | 0.03 | 0.01 | 0.05 | 0.33 | 1.56 |
| 71 | 17:45 | 0.5 | 0.08 | 0.03 | 0.01 | 0.05 | 0.33 | 1.57 |
| 72 | 18:00 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 0.24 | 1.58 |
| 73 | 18:15 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 0.24 | 1.58 |
| 74 | 18:30 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 0.24 | 1.58 |
| 75 | 18:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.02 | 0.14 | 1.59 |
| 76 | 19:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.05 | 1.59 |
| 77 | 19:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.02 | 0.15 | 1.59 |
| 78 | 19:30 | 0.4 | 0.06 | 0.02 | 0.01 | 0.04 | 0.25 | 1.60 |
| 79 | 19:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.02 | 0.15 | 1.60 |
| 80 | 20:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.05 | 1.60 |
| 81 | 20:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.16 | 1.61 |
| 82 | 20:30 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.16 | 1.61 |
| 83 | 20:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.16 | 1.61 |
| 84 | 21:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.06 | 1.61 |
| 85 | 21:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.16 | 1.62 |
| 86 | 21:30 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.07 | 1.62 |
| 87 | 21:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.17 | 1.62 |
| 88 | 22:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.07 | 1.62 |
| 89 | 22:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.17 | 1.63 |
| 90 | 22:30 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.07 | 1.63 |
| 91 | 22:45 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.07 | 1.63 |
| 92 | 23:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.07 | 1.63 |
| 93 | 23:15 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.07 | 1.63 |
| 94 | 23:30 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.07 | 1.63 |
| 95 | 23:45 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.07 | 1.64 |
| 96 | 0:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.08 | 1.64 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 2.6 |
| AMC | | II |
| RI | | 69.0 |
| Fp | (in/hr) | 0.40 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.08 |
| Fm | (in/hr) | 0.04 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.13 | 0.00 | 0.02 | 0.11 | 0.00 |
| 2 | 0:30 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.16 | 0.00 |
| 3 | 0:45 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.16 | 0.01 |
| 4 | 1:00 | 0.4 | 0.04 | 0.13 | 0.01 | 0.03 | 0.21 | 0.01 |
| 5 | 1:15 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.16 | 0.01 |
| 6 | 1:30 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.16 | 0.02 |
| 7 | 1:45 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.16 | 0.02 |
| 8 | 2:00 | 0.4 | 0.04 | 0.12 | 0.01 | 0.03 | 0.21 | 0.03 |
| 9 | 2:15 | 0.4 | 0.04 | 0.12 | 0.01 | 0.03 | 0.21 | 0.03 |
| 10 | 2:30 | 0.4 | 0.04 | 0.12 | 0.01 | 0.03 | 0.21 | 0.03 |
| 11 | 2:45 | 0.5 | 0.05 | 0.12 | 0.01 | 0.04 | 0.27 | 0.04 |
| 12 | 3:00 | 0.5 | 0.05 | 0.12 | 0.01 | 0.04 | 0.27 | 0.04 |
| 13 | 3:15 | 0.5 | 0.05 | 0.12 | 0.01 | 0.04 | 0.27 | 0.05 |
| 14 | 3:30 | 0.5 | 0.05 | 0.11 | 0.01 | 0.04 | 0.27 | 0.06 |
| 15 | 3:45 | 0.5 | 0.05 | 0.11 | 0.01 | 0.04 | 0.27 | 0.06 |
| 16 | 4:00 | 0.6 | 0.06 | 0.11 | 0.01 | 0.05 | 0.32 | 0.07 |
| 17 | 4:15 | 0.6 | 0.06 | 0.11 | 0.01 | 0.05 | 0.32 | 0.07 |
| 18 | 4:30 | 0.7 | 0.07 | 0.11 | 0.01 | 0.06 | 0.37 | 0.08 |
| 19 | 4:45 | 0.7 | 0.07 | 0.11 | 0.01 | 0.06 | 0.37 | 0.09 |
| 20 | 5:00 | 0.8 | 0.08 | 0.11 | 0.01 | 0.07 | 0.43 | 0.10 |
| 21 | 5:15 | 0.6 | 0.06 | 0.10 | 0.01 | 0.05 | 0.32 | 0.10 |
| 22 | 5:30 | 0.7 | 0.07 | 0.10 | 0.01 | 0.06 | 0.37 | 0.11 |
| 23 | 5:45 | 0.8 | 0.08 | 0.10 | 0.01 | 0.07 | 0.43 | 0.12 |
| 24 | 6:00 | 0.8 | 0.08 | 0.10 | 0.01 | 0.07 | 0.43 | 0.13 |
| 25 | 6:15 | 0.9 | 0.09 | 0.10 | 0.02 | 0.08 | 0.48 | 0.14 |
| 26 | 6:30 | 0.9 | 0.09 | 0.10 | 0.02 | 0.08 | 0.48 | 0.15 |
| 27 | 6:45 | 1.0 | 0.10 | 0.10 | 0.02 | 0.01 | 0.05 | 0.15 |
| 28 | 7:00 | 1.0 | 0.10 | 0.10 | 0.02 | 0.01 | 0.05 | 0.15 |
| 29 | 7:15 | 1.0 | 0.10 | 0.09 | 0.02 | 0.01 | 0.06 | 0.16 |
| 30 | 7:30 | 1.1 | 0.11 | 0.09 | 0.02 | 0.02 | 0.13 | 0.16 |
| 31 | 7:45 | 1.2 | 0.12 | 0.09 | 0.02 | 0.03 | 0.21 | 0.16 |
| 32 | 8:00 | 1.3 | 0.14 | 0.09 | 0.02 | 0.04 | 0.28 | 0.17 |
| 33 | 8:15 | 1.5 | 0.16 | 0.09 | 0.03 | 0.07 | 0.42 | 0.17 |
| 34 | 8:30 | 1.5 | 0.16 | 0.09 | 0.03 | 0.07 | 0.43 | 0.18 |
| 35 | 8:45 | 1.6 | 0.17 | 0.09 | 0.03 | 0.08 | 0.50 | 0.19 |
| 36 | 9:00 | 1.7 | 0.18 | 0.09 | 0.03 | 0.09 | 0.57 | 0.20 |
| 37 | 9:15 | 1.9 | 0.20 | 0.08 | 0.04 | 0.11 | 0.71 | 0.22 |
| 38 | 9:30 | 2.0 | 0.21 | 0.08 | 0.04 | 0.12 | 0.78 | 0.23 |
| 39 | 9:45 | 2.1 | 0.22 | 0.08 | 0.04 | 0.14 | 0.85 | 0.25 |
| 40 | 10:00 | 2.2 | 0.23 | 0.08 | 0.04 | 0.15 | 0.93 | 0.27 |
| 41 | 10:15 | 1.5 | 0.16 | 0.08 | 0.03 | 0.08 | 0.48 | 0.28 |
| 42 | 10:30 | 1.5 | 0.16 | 0.08 | 0.03 | 0.08 | 0.49 | 0.29 |
| 43 | 10:45 | 2.0 | 0.21 | 0.08 | 0.04 | 0.13 | 0.82 | 0.30 |
| 44 | 11:00 | 2.0 | 0.21 | 0.08 | 0.04 | 0.13 | 0.82 | 0.32 |
| 45 | 11:15 | 1.9 | 0.20 | 0.07 | 0.04 | 0.12 | 0.77 | 0.34 |
| 46 | 11:30 | 1.9 | 0.20 | 0.07 | 0.04 | 0.12 | 0.77 | 0.35 |
| 47 | 11:45 | 1.7 | 0.18 | 0.07 | 0.03 | 0.10 | 0.65 | 0.37 |
| 48 | 12:00 | 1.8 | 0.19 | 0.07 | 0.03 | 0.12 | 0.72 | 0.38 |
| 49 | 12:15 | 2.5 | 0.26 | 0.07 | 0.05 | 0.19 | 1.18 | 0.40 |
| 50 | 12:30 | 2.6 | 0.27 | 0.07 | 0.05 | 0.20 | 1.26 | 0.43 |
| 51 | 12:45 | 2.8 | 0.29 | 0.07 | 0.05 | 0.22 | 1.39 | 0.46 |
| 52 | 13:00 | 2.9 | 0.30 | 0.07 | 0.05 | 0.23 | 1.46 | 0.48 |
| 53 | 13:15 | 3.4 | 0.35 | 0.07 | 0.06 | 0.29 | 1.79 | 0.52 |
| 54 | 13:30 | 3.4 | 0.35 | 0.07 | 0.06 | 0.29 | 1.80 | 0.56 |
| 55 | 13:45 | 2.3 | 0.24 | 0.06 | 0.04 | 0.17 | 1.09 | 0.59 |
| 56 | 14:00 | 2.3 | 0.24 | 0.06 | 0.04 | 0.18 | 1.10 | 0.61 |
| 57 | 14:15 | 2.7 | 0.28 | 0.06 | 0.05 | 0.22 | 1.36 | 0.63 |
| 58 | 14:30 | 2.6 | 0.27 | 0.06 | 0.05 | 0.21 | 1.31 | 0.66 |
| 59 | 14:45 | 2.6 | 0.27 | 0.06 | 0.05 | 0.21 | 1.31 | 0.69 |
| 60 | 15:00 | 2.5 | 0.26 | 0.06 | 0.05 | 0.20 | 1.25 | 0.71 |
| 61 | 15:15 | 2.4 | 0.25 | 0.06 | 0.04 | 0.19 | 1.19 | 0.74 |
| 62 | 15:30 | 2.3 | 0.24 | 0.06 | 0.04 | 0.18 | 1.13 | 0.76 |
| 63 | 15:45 | 1.9 | 0.20 | 0.06 | 0.04 | 0.14 | 0.88 | 0.78 |
| 64 | 16:00 | 1.9 | 0.20 | 0.06 | 0.04 | 0.14 | 0.88 | 0.80 |
| 65 | 16:15 | 0.4 | 0.04 | 0.06 | 0.01 | 0.03 | 0.21 | 0.81 |
| 66 | 16:30 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.21 | 0.82 |
| 67 | 16:45 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 0.16 | 0.82 |
| 68 | 17:00 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 0.16 | 0.83 |
| 69 | 17:15 | 0.5 | 0.05 | 0.05 | 0.01 | 0.00 | 0.00 | 0.83 |
| 70 | 17:30 | 0.5 | 0.05 | 0.05 | 0.01 | 0.00 | 0.01 | 0.83 |
| 71 | 17:45 | 0.5 | 0.05 | 0.05 | 0.01 | 0.00 | 0.01 | 0.83 |
| 72 | 18:00 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.21 | 0.83 |
| 73 | 18:15 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.21 | 0.83 |
| 74 | 18:30 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.21 | 0.84 |
| 75 | 18:45 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 0.16 | 0.84 |
| 76 | 19:00 | 0.2 | 0.02 | 0.05 | 0.00 | 0.02 | 0.11 | 0.85 |
| 77 | 19:15 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 0.16 | 0.85 |
| 78 | 19:30 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.21 | 0.85 |
| 79 | 19:45 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.16 | 0.86 |
| 80 | 20:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.11 | 0.86 |
| 81 | 20:15 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.16 | 0.86 |
| 82 | 20:30 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.16 | 0.86 |
| 83 | 20:45 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.16 | 0.87 |
| 84 | 21:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.11 | 0.87 |
| 85 | 21:15 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.16 | 0.87 |
| 86 | 21:30 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.11 | 0.88 |
| 87 | 21:45 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.16 | 0.88 |
| 88 | 22:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.11 | 0.88 |
| 89 | 22:15 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.16 | 0.88 |
| 90 | 22:30 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.11 | 0.89 |
| 91 | 22:45 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.11 | 0.89 |
| 92 | 23:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.11 | 0.89 |
| 93 | 23:15 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.11 | 0.89 |
| 94 | 23:30 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.11 | 0.90 |
| 95 | 23:45 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.11 | 0.90 |
| 96 | 0:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.11 | 0.90 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 2.2 |
| AMC | | I |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |
| Fm | (in/hr) | 0.06 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | PF Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.20 | 0.00 | 0.01 | 0.09 | 0.00 |
| 2 | 0:30 | 0.3 | 0.03 | 0.20 | 0.00 | 0.02 | 0.14 | 0.00 |
| 3 | 0:45 | 0.3 | 0.03 | 0.20 | 0.00 | 0.02 | 0.14 | 0.01 |
| 4 | 1:00 | 0.4 | 0.04 | 0.19 | 0.01 | 0.03 | 0.18 | 0.01 |
| 5 | 1:15 | 0.3 | 0.03 | 0.19 | 0.00 | 0.02 | 0.14 | 0.01 |
| 6 | 1:30 | 0.3 | 0.03 | 0.19 | 0.00 | 0.02 | 0.14 | 0.02 |
| 7 | 1:45 | 0.3 | 0.03 | 0.19 | 0.00 | 0.02 | 0.14 | 0.02 |
| 8 | 2:00 | 0.4 | 0.04 | 0.19 | 0.01 | 0.03 | 0.18 | 0.02 |
| 9 | 2:15 | 0.4 | 0.04 | 0.18 | 0.01 | 0.03 | 0.18 | 0.03 |
| 10 | 2:30 | 0.4 | 0.04 | 0.18 | 0.01 | 0.03 | 0.18 | 0.03 |
| 11 | 2:45 | 0.5 | 0.04 | 0.18 | 0.01 | 0.04 | 0.23 | 0.03 |
| 12 | 3:00 | 0.5 | 0.04 | 0.18 | 0.01 | 0.04 | 0.23 | 0.04 |
| 13 | 3:15 | 0.5 | 0.04 | 0.17 | 0.01 | 0.04 | 0.23 | 0.04 |
| 14 | 3:30 | 0.5 | 0.04 | 0.17 | 0.01 | 0.04 | 0.23 | 0.05 |
| 15 | 3:45 | 0.5 | 0.04 | 0.17 | 0.01 | 0.04 | 0.23 | 0.05 |
| 16 | 4:00 | 0.6 | 0.05 | 0.17 | 0.01 | 0.04 | 0.27 | 0.06 |
| 17 | 4:15 | 0.6 | 0.05 | 0.17 | 0.01 | 0.04 | 0.27 | 0.06 |
| 18 | 4:30 | 0.7 | 0.06 | 0.16 | 0.01 | 0.05 | 0.32 | 0.07 |
| 19 | 4:45 | 0.7 | 0.06 | 0.16 | 0.01 | 0.05 | 0.32 | 0.08 |
| 20 | 5:00 | 0.8 | 0.07 | 0.16 | 0.01 | 0.06 | 0.36 | 0.08 |
| 21 | 5:15 | 0.6 | 0.05 | 0.16 | 0.01 | 0.04 | 0.27 | 0.09 |
| 22 | 5:30 | 0.7 | 0.06 | 0.16 | 0.01 | 0.05 | 0.32 | 0.09 |
| 23 | 5:45 | 0.8 | 0.07 | 0.15 | 0.01 | 0.06 | 0.36 | 0.10 |
| 24 | 6:00 | 0.8 | 0.07 | 0.15 | 0.01 | 0.06 | 0.36 | 0.11 |
| 25 | 6:15 | 0.9 | 0.08 | 0.15 | 0.01 | 0.06 | 0.41 | 0.12 |
| 26 | 6:30 | 0.9 | 0.08 | 0.15 | 0.01 | 0.06 | 0.41 | 0.13 |
| 27 | 6:45 | 1.0 | 0.09 | 0.15 | 0.02 | 0.07 | 0.45 | 0.13 |
| 28 | 7:00 | 1.0 | 0.09 | 0.14 | 0.02 | 0.07 | 0.45 | 0.14 |
| 29 | 7:15 | 1.0 | 0.09 | 0.14 | 0.02 | 0.07 | 0.45 | 0.15 |
| 30 | 7:30 | 1.1 | 0.10 | 0.14 | 0.02 | 0.08 | 0.50 | 0.16 |
| 31 | 7:45 | 1.2 | 0.11 | 0.14 | 0.02 | 0.09 | 0.54 | 0.17 |
| 32 | 8:00 | 1.3 | 0.11 | 0.14 | 0.02 | 0.09 | 0.59 | 0.18 |
| 33 | 8:15 | 1.5 | 0.13 | 0.13 | 0.02 | 0.11 | 0.68 | 0.20 |
| 34 | 8:30 | 1.5 | 0.13 | 0.13 | 0.02 | 0.00 | 0.00 | 0.21 |
| 35 | 8:45 | 1.6 | 0.14 | 0.13 | 0.03 | 0.01 | 0.07 | 0.21 |
| 36 | 9:00 | 1.7 | 0.15 | 0.13 | 0.03 | 0.02 | 0.13 | 0.21 |
| 37 | 9:15 | 1.9 | 0.17 | 0.13 | 0.03 | 0.04 | 0.26 | 0.21 |
| 38 | 9:30 | 2.0 | 0.18 | 0.12 | 0.03 | 0.05 | 0.32 | 0.22 |
| 39 | 9:45 | 2.1 | 0.18 | 0.12 | 0.03 | 0.06 | 0.39 | 0.23 |
| 40 | 10:00 | 2.2 | 0.19 | 0.12 | 0.03 | 0.07 | 0.45 | 0.23 |
| 41 | 10:15 | 1.5 | 0.13 | 0.12 | 0.02 | 0.01 | 0.08 | 0.24 |
| 42 | 10:30 | 1.5 | 0.13 | 0.12 | 0.02 | 0.01 | 0.09 | 0.24 |
| 43 | 10:45 | 2.0 | 0.18 | 0.12 | 0.03 | 0.06 | 0.38 | 0.25 |
| 44 | 11:00 | 2.0 | 0.18 | 0.11 | 0.03 | 0.06 | 0.39 | 0.25 |
| 45 | 11:15 | 1.9 | 0.17 | 0.11 | 0.03 | 0.05 | 0.34 | 0.26 |
| 46 | 11:30 | 1.9 | 0.17 | 0.11 | 0.03 | 0.06 | 0.35 | 0.27 |
| 47 | 11:45 | 1.7 | 0.15 | 0.11 | 0.03 | 0.04 | 0.25 | 0.27 |
| 48 | 12:00 | 1.8 | 0.16 | 0.11 | 0.03 | 0.05 | 0.32 | 0.28 |
| 49 | 12:15 | 2.5 | 0.22 | 0.11 | 0.04 | 0.11 | 0.71 | 0.29 |
| 50 | 12:30 | 2.6 | 0.23 | 0.10 | 0.04 | 0.12 | 0.78 | 0.31 |
| 51 | 12:45 | 2.8 | 0.25 | 0.10 | 0.04 | 0.14 | 0.90 | 0.32 |
| 52 | 13:00 | 2.9 | 0.26 | 0.10 | 0.05 | 0.15 | 0.96 | 0.34 |
| 53 | 13:15 | 3.4 | 0.30 | 0.10 | 0.05 | 0.20 | 1.25 | 0.37 |
| 54 | 13:30 | 3.4 | 0.30 | 0.10 | 0.05 | 0.20 | 1.26 | 0.39 |
| 55 | 13:45 | 2.3 | 0.20 | 0.10 | 0.04 | 0.11 | 0.66 | 0.41 |
| 56 | 14:00 | 2.3 | 0.20 | 0.10 | 0.04 | 0.11 | 0.67 | 0.43 |
| 57 | 14:15 | 2.7 | 0.24 | 0.09 | 0.04 | 0.14 | 0.90 | 0.44 |
| 58 | 14:30 | 2.6 | 0.23 | 0.09 | 0.04 | 0.14 | 0.85 | 0.46 |
| 59 | 14:45 | 2.6 | 0.23 | 0.09 | 0.04 | 0.14 | 0.86 | 0.48 |
| 60 | 15:00 | 2.5 | 0.22 | 0.09 | 0.04 | 0.13 | 0.82 | 0.49 |
| 61 | 15:15 | 2.4 | 0.21 | 0.09 | 0.04 | 0.12 | 0.77 | 0.51 |
| 62 | 15:30 | 2.3 | 0.20 | 0.09 | 0.04 | 0.12 | 0.72 | 0.53 |
| 63 | 15:45 | 1.9 | 0.17 | 0.09 | 0.03 | 0.08 | 0.51 | 0.54 |
| 64 | 16:00 | 1.9 | 0.17 | 0.08 | 0.03 | 0.08 | 0.52 | 0.55 |
| 65 | 16:15 | 0.4 | 0.04 | 0.08 | 0.01 | 0.03 | 0.18 | 0.56 |
| 66 | 16:30 | 0.4 | 0.04 | 0.08 | 0.01 | 0.03 | 0.18 | 0.56 |
| 67 | 16:45 | 0.3 | 0.03 | 0.08 | 0.00 | 0.02 | 0.14 | 0.56 |
| 68 | 17:00 | 0.3 | 0.03 | 0.08 | 0.00 | 0.02 | 0.14 | 0.57 |
| 69 | 17:15 | 0.5 | 0.04 | 0.08 | 0.01 | 0.04 | 0.23 | 0.57 |
| 70 | 17:30 | 0.5 | 0.04 | 0.08 | 0.01 | 0.04 | 0.23 | 0.58 |
| 71 | 17:45 | 0.5 | 0.04 | 0.08 | 0.01 | 0.04 | 0.23 | 0.58 |
| 72 | 18:00 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 0.18 | 0.58 |
| 73 | 18:15 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 0.18 | 0.59 |
| 74 | 18:30 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 0.18 | 0.59 |
| 75 | 18:45 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 0.14 | 0.60 |
| 76 | 19:00 | 0.2 | 0.02 | 0.07 | 0.00 | 0.01 | 0.09 | 0.60 |
| 77 | 19:15 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 0.14 | 0.60 |
| 78 | 19:30 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 0.18 | 0.60 |
| 79 | 19:45 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 0.14 | 0.61 |
| 80 | 20:00 | 0.2 | 0.02 | 0.07 | 0.00 | 0.01 | 0.09 | 0.61 |
| 81 | 20:15 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 0.14 | 0.61 |
| 82 | 20:30 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.14 | 0.61 |
| 83 | 20:45 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.14 | 0.62 |
| 84 | 21:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.09 | 0.62 |
| 85 | 21:15 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.14 | 0.62 |
| 86 | 21:30 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.09 | 0.62 |
| 87 | 21:45 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.14 | 0.63 |
| 88 | 22:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.09 | 0.63 |
| 89 | 22:15 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.14 | 0.63 |
| 90 | 22:30 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.09 | 0.63 |
| 91 | 22:45 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.09 | 0.63 |
| 92 | 23:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.09 | 0.64 |
| 93 | 23:15 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.09 | 0.64 |
| 94 | 23:30 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.09 | 0.64 |
| 95 | 23:45 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.09 | 0.64 |
| 96 | 0:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.09 | 0.64 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.6 |
| AMC | | 1 |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |
| Fm | (in/hr) | 0.06 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.01 | 0.20 | 0.00 | 0.01 | 0.07 | 0.00 |
| 2 | 0:30 | 0.3 | 0.02 | 0.20 | 0.00 | 0.02 | 0.10 | 0.00 |
| 3 | 0:45 | 0.3 | 0.02 | 0.20 | 0.00 | 0.02 | 0.10 | 0.00 |
| 4 | 1:00 | 0.4 | 0.03 | 0.19 | 0.00 | 0.02 | 0.13 | 0.01 |
| 5 | 1:15 | 0.3 | 0.02 | 0.19 | 0.00 | 0.02 | 0.10 | 0.01 |
| 6 | 1:30 | 0.3 | 0.02 | 0.19 | 0.00 | 0.02 | 0.10 | 0.01 |
| 7 | 1:45 | 0.3 | 0.02 | 0.19 | 0.00 | 0.02 | 0.10 | 0.01 |
| 8 | 2:00 | 0.4 | 0.03 | 0.19 | 0.00 | 0.02 | 0.13 | 0.02 |
| 9 | 2:15 | 0.4 | 0.03 | 0.18 | 0.00 | 0.02 | 0.13 | 0.02 |
| 10 | 2:30 | 0.4 | 0.03 | 0.18 | 0.00 | 0.02 | 0.13 | 0.02 |
| 11 | 2:45 | 0.5 | 0.03 | 0.18 | 0.01 | 0.03 | 0.16 | 0.02 |
| 12 | 3:00 | 0.5 | 0.03 | 0.18 | 0.01 | 0.03 | 0.16 | 0.03 |
| 13 | 3:15 | 0.5 | 0.03 | 0.17 | 0.01 | 0.03 | 0.16 | 0.03 |
| 14 | 3:30 | 0.5 | 0.03 | 0.17 | 0.01 | 0.03 | 0.16 | 0.03 |
| 15 | 3:45 | 0.5 | 0.03 | 0.17 | 0.01 | 0.03 | 0.16 | 0.04 |
| 16 | 4:00 | 0.6 | 0.04 | 0.17 | 0.01 | 0.03 | 0.20 | 0.04 |
| 17 | 4:15 | 0.6 | 0.04 | 0.17 | 0.01 | 0.03 | 0.20 | 0.05 |
| 18 | 4:30 | 0.7 | 0.04 | 0.16 | 0.01 | 0.04 | 0.23 | 0.05 |
| 19 | 4:45 | 0.7 | 0.04 | 0.16 | 0.01 | 0.04 | 0.23 | 0.05 |
| 20 | 5:00 | 0.8 | 0.05 | 0.16 | 0.01 | 0.04 | 0.26 | 0.06 |
| 21 | 5:15 | 0.6 | 0.04 | 0.16 | 0.01 | 0.03 | 0.20 | 0.06 |
| 22 | 5:30 | 0.7 | 0.04 | 0.16 | 0.01 | 0.04 | 0.23 | 0.07 |
| 23 | 5:45 | 0.8 | 0.05 | 0.15 | 0.01 | 0.04 | 0.26 | 0.07 |
| 24 | 6:00 | 0.8 | 0.05 | 0.15 | 0.01 | 0.04 | 0.26 | 0.08 |
| 25 | 6:15 | 0.9 | 0.06 | 0.15 | 0.01 | 0.05 | 0.30 | 0.09 |
| 26 | 6:30 | 0.9 | 0.06 | 0.15 | 0.01 | 0.05 | 0.30 | 0.09 |
| 27 | 6:45 | 1.0 | 0.06 | 0.15 | 0.01 | 0.05 | 0.33 | 0.10 |
| 28 | 7:00 | 1.0 | 0.06 | 0.14 | 0.01 | 0.05 | 0.33 | 0.10 |
| 29 | 7:15 | 1.0 | 0.06 | 0.14 | 0.01 | 0.05 | 0.33 | 0.11 |
| 30 | 7:30 | 1.1 | 0.07 | 0.14 | 0.01 | 0.06 | 0.36 | 0.12 |
| 31 | 7:45 | 1.2 | 0.08 | 0.14 | 0.01 | 0.06 | 0.39 | 0.13 |
| 32 | 8:00 | 1.3 | 0.08 | 0.14 | 0.01 | 0.07 | 0.43 | 0.13 |
| 33 | 8:15 | 1.5 | 0.10 | 0.13 | 0.02 | 0.08 | 0.49 | 0.14 |
| 34 | 8:30 | 1.5 | 0.10 | 0.13 | 0.02 | 0.08 | 0.49 | 0.15 |
| 35 | 8:45 | 1.6 | 0.10 | 0.13 | 0.02 | 0.08 | 0.52 | 0.16 |
| 36 | 9:00 | 1.7 | 0.11 | 0.13 | 0.02 | 0.09 | 0.56 | 0.18 |
| 37 | 9:15 | 1.9 | 0.12 | 0.13 | 0.02 | 0.10 | 0.62 | 0.19 |
| 38 | 9:30 | 2.0 | 0.13 | 0.12 | 0.02 | 0.00 | 0.02 | 0.19 |
| 39 | 9:45 | 2.1 | 0.13 | 0.12 | 0.02 | 0.01 | 0.07 | 0.20 |
| 40 | 10:00 | 2.2 | 0.14 | 0.12 | 0.03 | 0.02 | 0.12 | 0.20 |
| 41 | 10:15 | 1.5 | 0.10 | 0.12 | 0.02 | 0.08 | 0.49 | 0.20 |
| 42 | 10:30 | 1.5 | 0.10 | 0.12 | 0.02 | 0.08 | 0.49 | 0.21 |
| 43 | 10:45 | 2.0 | 0.13 | 0.12 | 0.02 | 0.01 | 0.08 | 0.22 |
| 44 | 11:00 | 2.0 | 0.13 | 0.11 | 0.02 | 0.01 | 0.09 | 0.22 |
| 45 | 11:15 | 1.9 | 0.12 | 0.11 | 0.02 | 0.01 | 0.06 | 0.22 |
| 46 | 11:30 | 1.9 | 0.12 | 0.11 | 0.02 | 0.01 | 0.07 | 0.22 |
| 47 | 11:45 | 1.7 | 0.11 | 0.11 | 0.02 | 0.09 | 0.56 | 0.23 |
| 48 | 12:00 | 1.8 | 0.12 | 0.11 | 0.02 | 0.01 | 0.05 | 0.24 |
| 49 | 12:15 | 2.5 | 0.16 | 0.11 | 0.03 | 0.05 | 0.34 | 0.24 |
| 50 | 12:30 | 2.6 | 0.17 | 0.10 | 0.03 | 0.06 | 0.39 | 0.25 |
| 51 | 12:45 | 2.8 | 0.18 | 0.10 | 0.03 | 0.08 | 0.48 | 0.26 |
| 52 | 13:00 | 2.9 | 0.19 | 0.10 | 0.03 | 0.08 | 0.53 | 0.27 |
| 53 | 13:15 | 3.4 | 0.22 | 0.10 | 0.04 | 0.12 | 0.74 | 0.28 |
| 54 | 13:30 | 3.4 | 0.22 | 0.10 | 0.04 | 0.12 | 0.75 | 0.30 |
| 55 | 13:45 | 2.3 | 0.15 | 0.10 | 0.03 | 0.05 | 0.32 | 0.31 |
| 56 | 14:00 | 2.3 | 0.15 | 0.10 | 0.03 | 0.05 | 0.33 | 0.31 |
| 57 | 14:15 | 2.7 | 0.17 | 0.09 | 0.03 | 0.08 | 0.49 | 0.32 |
| 58 | 14:30 | 2.6 | 0.17 | 0.09 | 0.03 | 0.07 | 0.46 | 0.33 |
| 59 | 14:45 | 2.6 | 0.17 | 0.09 | 0.03 | 0.08 | 0.47 | 0.34 |
| 60 | 15:00 | 2.5 | 0.16 | 0.09 | 0.03 | 0.07 | 0.44 | 0.35 |
| 61 | 15:15 | 2.4 | 0.15 | 0.09 | 0.03 | 0.07 | 0.41 | 0.36 |
| 62 | 15:30 | 2.3 | 0.15 | 0.09 | 0.03 | 0.06 | 0.38 | 0.37 |
| 63 | 15:45 | 1.9 | 0.12 | 0.09 | 0.02 | 0.04 | 0.23 | 0.37 |
| 64 | 16:00 | 1.9 | 0.12 | 0.08 | 0.02 | 0.04 | 0.23 | 0.38 |
| 65 | 16:15 | 0.4 | 0.03 | 0.08 | 0.00 | 0.02 | 0.13 | 0.38 |
| 66 | 16:30 | 0.4 | 0.03 | 0.08 | 0.00 | 0.02 | 0.13 | 0.39 |
| 67 | 16:45 | 0.3 | 0.02 | 0.08 | 0.00 | 0.02 | 0.10 | 0.39 |
| 68 | 17:00 | 0.3 | 0.02 | 0.08 | 0.00 | 0.02 | 0.10 | 0.39 |
| 69 | 17:15 | 0.5 | 0.03 | 0.08 | 0.01 | 0.03 | 0.16 | 0.39 |
| 70 | 17:30 | 0.5 | 0.03 | 0.08 | 0.01 | 0.03 | 0.16 | 0.40 |
| 71 | 17:45 | 0.5 | 0.03 | 0.08 | 0.01 | 0.03 | 0.16 | 0.40 |
| 72 | 18:00 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 0.13 | 0.40 |
| 73 | 18:15 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 0.13 | 0.41 |
| 74 | 18:30 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 0.13 | 0.41 |
| 75 | 18:45 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.10 | 0.41 |
| 76 | 19:00 | 0.2 | 0.01 | 0.07 | 0.00 | 0.01 | 0.07 | 0.41 |
| 77 | 19:15 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.10 | 0.41 |
| 78 | 19:30 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 0.13 | 0.42 |
| 79 | 19:45 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.10 | 0.42 |
| 80 | 20:00 | 0.2 | 0.01 | 0.07 | 0.00 | 0.01 | 0.07 | 0.42 |
| 81 | 20:15 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.10 | 0.42 |
| 82 | 20:30 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.10 | 0.42 |
| 83 | 20:45 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.10 | 0.43 |
| 84 | 21:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.43 |
| 85 | 21:15 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.10 | 0.43 |
| 86 | 21:30 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.43 |
| 87 | 21:45 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.10 | 0.43 |
| 88 | 22:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.43 |
| 89 | 22:15 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.10 | 0.44 |
| 90 | 22:30 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.44 |
| 91 | 22:45 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.44 |
| 92 | 23:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.44 |
| 93 | 23:15 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.44 |
| 94 | 23:30 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.44 |
| 95 | 23:45 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.44 |
| 96 | 0:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.07 | 0.45 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 2.5 |
| AMC | | III |
| RI | | 69.0 |
| Fp | (in/hr) | 0.21 |
| At | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.04 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.15 | 0.04 | 0.03 | 0.11 | 0.69 | 0.00 |
| 2 | 0:10 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 0.88 | 0.01 |
| 3 | 0:15 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 0.88 | 0.01 |
| 4 | 0:20 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 0.88 | 0.02 |
| 5 | 0:25 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 0.88 | 0.03 |
| 6 | 0:30 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.06 | 0.03 |
| 7 | 0:35 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.06 | 0.04 |
| 8 | 0:40 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.06 | 0.05 |
| 9 | 0:45 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.06 | 0.05 |
| 10 | 0:50 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.06 | 0.06 |
| 11 | 0:55 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.06 | 0.07 |
| 12 | 1:00 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.25 | 0.08 |
| 13 | 1:05 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.25 | 0.09 |
| 14 | 1:10 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.25 | 0.09 |
| 15 | 1:15 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.25 | 0.10 |
| 16 | 1:20 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.25 | 0.11 |
| 17 | 1:25 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.25 | 0.12 |
| 18 | 1:30 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.25 | 0.13 |
| 19 | 1:35 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.25 | 0.14 |
| 20 | 1:40 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.25 | 0.15 |
| 21 | 1:45 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.25 | 0.15 |
| 22 | 1:50 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.25 | 0.16 |
| 23 | 1:55 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.25 | 0.17 |
| 24 | 2:00 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.44 | 0.18 |
| 25 | 2:05 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.25 | 0.19 |
| 26 | 2:10 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.44 | 0.20 |
| 27 | 2:15 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.44 | 0.21 |
| 28 | 2:20 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.44 | 0.22 |
| 29 | 2:25 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.44 | 0.23 |
| 30 | 2:30 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.44 | 0.24 |
| 31 | 2:35 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.44 | 0.25 |
| 32 | 2:40 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.44 | 0.26 |
| 33 | 2:45 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 1.63 | 0.27 |
| 34 | 2:50 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 1.63 | 0.28 |
| 35 | 2:55 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 1.63 | 0.29 |
| 36 | 3:00 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 1.63 | 0.30 |
| 37 | 3:05 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 1.63 | 0.31 |
| 38 | 3:10 | 1.1 | 0.33 | 0.04 | 0.06 | 0.29 | 1.81 | 0.33 |
| 39 | 3:15 | 1.1 | 0.33 | 0.04 | 0.06 | 0.29 | 1.81 | 0.34 |
| 40 | 3:20 | 1.1 | 0.33 | 0.04 | 0.06 | 0.29 | 1.81 | 0.35 |
| 41 | 3:25 | 1.2 | 0.36 | 0.04 | 0.06 | 0.32 | 2.00 | 0.36 |
| 42 | 3:30 | 1.3 | 0.39 | 0.04 | 0.07 | 0.35 | 2.19 | 0.38 |
| 43 | 3:35 | 1.4 | 0.42 | 0.04 | 0.08 | 0.38 | 2.38 | 0.39 |
| 44 | 3:40 | 1.4 | 0.42 | 0.04 | 0.08 | 0.38 | 2.38 | 0.41 |
| 45 | 3:45 | 1.5 | 0.45 | 0.04 | 0.08 | 0.41 | 2.56 | 0.43 |
| 46 | 3:50 | 1.5 | 0.45 | 0.04 | 0.08 | 0.41 | 2.56 | 0.45 |
| 47 | 3:55 | 1.6 | 0.48 | 0.04 | 0.09 | 0.44 | 2.75 | 0.46 |
| 48 | 4:00 | 1.6 | 0.48 | 0.04 | 0.09 | 0.44 | 2.75 | 0.48 |
| 49 | 4:05 | 1.7 | 0.51 | 0.04 | 0.09 | 0.47 | 2.94 | 0.50 |
| 50 | 4:10 | 1.8 | 0.54 | 0.04 | 0.10 | 0.50 | 3.13 | 0.52 |
| 51 | 4:15 | 1.9 | 0.57 | 0.04 | 0.10 | 0.53 | 3.31 | 0.55 |
| 52 | 4:20 | 2.0 | 0.60 | 0.04 | 0.11 | 0.56 | 3.50 | 0.57 |
| 53 | 4:25 | 2.1 | 0.63 | 0.04 | 0.11 | 0.59 | 3.69 | 0.59 |
| 54 | 4:30 | 2.1 | 0.63 | 0.04 | 0.11 | 0.59 | 3.69 | 0.62 |
| 55 | 4:35 | 2.2 | 0.66 | 0.04 | 0.12 | 0.62 | 3.88 | 0.65 |
| 56 | 4:40 | 2.3 | 0.69 | 0.04 | 0.12 | 0.65 | 4.06 | 0.67 |
| 57 | 4:45 | 2.4 | 0.72 | 0.04 | 0.13 | 0.68 | 4.25 | 0.70 |
| 58 | 4:50 | 2.4 | 0.72 | 0.04 | 0.13 | 0.68 | 4.25 | 0.73 |
| 59 | 4:55 | 2.5 | 0.75 | 0.04 | 0.14 | 0.71 | 4.44 | 0.76 |
| 60 | 5:00 | 2.6 | 0.78 | 0.04 | 0.14 | 0.74 | 4.63 | 0.79 |
| 61 | 5:05 | 3.1 | 0.93 | 0.04 | 0.17 | 0.89 | 5.56 | 0.83 |
| 62 | 5:10 | 3.6 | 1.08 | 0.04 | 0.19 | 1.04 | 6.50 | 0.87 |
| 63 | 5:15 | 3.9 | 1.17 | 0.04 | 0.21 | 1.13 | 7.06 | 0.91 |
| 64 | 5:20 | 4.2 | 1.26 | 0.04 | 0.23 | 1.22 | 7.63 | 0.97 |
| 65 | 5:25 | 4.7 | 1.41 | 0.04 | 0.25 | 1.37 | 8.56 | 1.02 |
| 66 | 5:30 | 5.6 | 1.68 | 0.04 | 0.30 | 1.64 | 10.25 | 1.09 |
| 67 | 5:35 | 1.9 | 0.57 | 0.04 | 0.10 | 0.53 | 3.31 | 1.13 |
| 68 | 5:40 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.44 | 1.15 |
| 69 | 5:45 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 0.88 | 1.16 |
| 70 | 5:50 | 0.5 | 0.15 | 0.04 | 0.03 | 0.11 | 0.69 | 1.16 |
| 71 | 5:55 | 0.3 | 0.09 | 0.04 | 0.02 | 0.05 | 0.31 | 1.17 |
| 72 | 6:00 | 0.2 | 0.06 | 0.04 | 0.01 | 0.02 | 0.13 | 1.17 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.7 |
| AMC | | II |
| RI | | 69.0 |
| Fp | (in/hr) | 0.40 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.08 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.10 | 0.08 | 0.02 | 0.03 | 0.16 | 0.00 |
| 2 | 0:10 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.29 | 0.00 |
| 3 | 0:15 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.29 | 0.00 |
| 4 | 0:20 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.29 | 0.01 |
| 5 | 0:25 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.29 | 0.01 |
| 6 | 0:30 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.42 | 0.01 |
| 7 | 0:35 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.42 | 0.01 |
| 8 | 0:40 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.42 | 0.02 |
| 9 | 0:45 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.42 | 0.02 |
| 10 | 0:50 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.42 | 0.02 |
| 11 | 0:55 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.42 | 0.02 |
| 12 | 1:00 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.55 | 0.03 |
| 13 | 1:05 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.55 | 0.03 |
| 14 | 1:10 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.55 | 0.04 |
| 15 | 1:15 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.55 | 0.04 |
| 16 | 1:20 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.55 | 0.04 |
| 17 | 1:25 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.55 | 0.05 |
| 18 | 1:30 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.55 | 0.05 |
| 19 | 1:35 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.55 | 0.05 |
| 20 | 1:40 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.55 | 0.06 |
| 21 | 1:45 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.55 | 0.06 |
| 22 | 1:50 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.55 | 0.07 |
| 23 | 1:55 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.55 | 0.07 |
| 24 | 2:00 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.67 | 0.07 |
| 25 | 2:05 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.55 | 0.08 |
| 26 | 2:10 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.67 | 0.08 |
| 27 | 2:15 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.67 | 0.09 |
| 28 | 2:20 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.67 | 0.09 |
| 29 | 2:25 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.67 | 0.10 |
| 30 | 2:30 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.67 | 0.10 |
| 31 | 2:35 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.67 | 0.11 |
| 32 | 2:40 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.67 | 0.11 |
| 33 | 2:45 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 0.80 | 0.11 |
| 34 | 2:50 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 0.80 | 0.12 |
| 35 | 2:55 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 0.80 | 0.13 |
| 36 | 3:00 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 0.80 | 0.13 |
| 37 | 3:05 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 0.80 | 0.14 |
| 38 | 3:10 | 1.1 | 0.22 | 0.08 | 0.04 | 0.15 | 0.93 | 0.14 |
| 39 | 3:15 | 1.1 | 0.22 | 0.08 | 0.04 | 0.15 | 0.93 | 0.15 |
| 40 | 3:20 | 1.1 | 0.22 | 0.08 | 0.04 | 0.15 | 0.93 | 0.16 |
| 41 | 3:25 | 1.2 | 0.24 | 0.08 | 0.04 | 0.17 | 1.06 | 0.16 |
| 42 | 3:30 | 1.3 | 0.27 | 0.08 | 0.05 | 0.19 | 1.18 | 0.17 |
| 43 | 3:35 | 1.4 | 0.29 | 0.08 | 0.05 | 0.21 | 1.31 | 0.18 |
| 44 | 3:40 | 1.4 | 0.29 | 0.08 | 0.05 | 0.21 | 1.31 | 0.19 |
| 45 | 3:45 | 1.5 | 0.31 | 0.08 | 0.06 | 0.23 | 1.44 | 0.20 |
| 46 | 3:50 | 1.5 | 0.31 | 0.08 | 0.06 | 0.23 | 1.44 | 0.21 |
| 47 | 3:55 | 1.6 | 0.33 | 0.08 | 0.06 | 0.25 | 1.57 | 0.22 |
| 48 | 4:00 | 1.6 | 0.33 | 0.08 | 0.06 | 0.25 | 1.57 | 0.23 |
| 49 | 4:05 | 1.7 | 0.35 | 0.08 | 0.06 | 0.27 | 1.69 | 0.24 |
| 50 | 4:10 | 1.8 | 0.37 | 0.08 | 0.07 | 0.29 | 1.82 | 0.25 |
| 51 | 4:15 | 1.9 | 0.39 | 0.08 | 0.07 | 0.31 | 1.95 | 0.26 |
| 52 | 4:20 | 2.0 | 0.41 | 0.08 | 0.07 | 0.33 | 2.08 | 0.28 |
| 53 | 4:25 | 2.1 | 0.43 | 0.08 | 0.08 | 0.35 | 2.20 | 0.29 |
| 54 | 4:30 | 2.1 | 0.43 | 0.08 | 0.08 | 0.35 | 2.20 | 0.31 |
| 55 | 4:35 | 2.2 | 0.45 | 0.08 | 0.08 | 0.37 | 2.33 | 0.32 |
| 56 | 4:40 | 2.3 | 0.47 | 0.08 | 0.08 | 0.39 | 2.46 | 0.34 |
| 57 | 4:45 | 2.4 | 0.49 | 0.08 | 0.09 | 0.41 | 2.59 | 0.36 |
| 58 | 4:50 | 2.4 | 0.49 | 0.08 | 0.09 | 0.41 | 2.59 | 0.38 |
| 59 | 4:55 | 2.5 | 0.51 | 0.08 | 0.09 | 0.43 | 2.71 | 0.39 |
| 60 | 5:00 | 2.6 | 0.53 | 0.08 | 0.10 | 0.45 | 2.84 | 0.41 |
| 61 | 5:05 | 3.1 | 0.63 | 0.08 | 0.11 | 0.56 | 3.48 | 0.43 |
| 62 | 5:10 | 3.6 | 0.73 | 0.08 | 0.13 | 0.66 | 4.12 | 0.46 |
| 63 | 5:15 | 3.9 | 0.80 | 0.08 | 0.14 | 0.72 | 4.50 | 0.49 |
| 64 | 5:20 | 4.2 | 0.86 | 0.08 | 0.15 | 0.78 | 4.88 | 0.52 |
| 65 | 5:25 | 4.7 | 0.96 | 0.08 | 0.17 | 0.88 | 5.52 | 0.56 |
| 66 | 5:30 | 5.6 | 1.14 | 0.08 | 0.21 | 1.07 | 6.67 | 0.60 |
| 67 | 5:35 | 1.9 | 0.39 | 0.08 | 0.07 | 0.31 | 1.95 | 0.63 |
| 68 | 5:40 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.67 | 0.64 |
| 69 | 5:45 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.29 | 0.64 |
| 70 | 5:50 | 0.5 | 0.10 | 0.08 | 0.02 | 0.03 | 0.16 | 0.64 |
| 71 | 5:55 | 0.3 | 0.06 | 0.08 | 0.01 | 0.05 | 0.31 | 0.65 |
| 72 | 6:00 | 0.2 | 0.04 | 0.08 | 0.01 | 0.03 | 0.21 | 0.65 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.4 |
| AMC | | I |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.08 | 0.11 | 0.02 | 0.07 | 0.43 | 0.00 |
| 2 | 0:10 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.52 | 0.00 |
| 3 | 0:15 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.52 | 0.01 |
| 4 | 0:20 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.52 | 0.01 |
| 5 | 0:25 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.52 | 0.02 |
| 6 | 0:30 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.02 | 0.02 |
| 7 | 0:35 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.02 | 0.02 |
| 8 | 0:40 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.02 | 0.02 |
| 9 | 0:45 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.02 | 0.02 |
| 10 | 0:50 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.02 | 0.02 |
| 11 | 0:55 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.02 | 0.02 |
| 12 | 1:00 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.02 |
| 13 | 1:05 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.02 |
| 14 | 1:10 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.02 |
| 15 | 1:15 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.02 |
| 16 | 1:20 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.02 |
| 17 | 1:25 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.02 |
| 18 | 1:30 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.02 |
| 19 | 1:35 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.02 |
| 20 | 1:40 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.03 |
| 21 | 1:45 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.03 |
| 22 | 1:50 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.03 |
| 23 | 1:55 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.03 |
| 24 | 2:00 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.23 | 0.03 |
| 25 | 2:05 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.13 | 0.03 |
| 26 | 2:10 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.23 | 0.03 |
| 27 | 2:15 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.23 | 0.03 |
| 28 | 2:20 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.23 | 0.04 |
| 29 | 2:25 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.23 | 0.04 |
| 30 | 2:30 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.23 | 0.04 |
| 31 | 2:35 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.23 | 0.04 |
| 32 | 2:40 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.23 | 0.04 |
| 33 | 2:45 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.34 | 0.04 |
| 34 | 2:50 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.34 | 0.05 |
| 35 | 2:55 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.34 | 0.05 |
| 36 | 3:00 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.34 | 0.05 |
| 37 | 3:05 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.34 | 0.05 |
| 38 | 3:10 | 1.1 | 0.18 | 0.11 | 0.03 | 0.07 | 0.44 | 0.06 |
| 39 | 3:15 | 1.1 | 0.18 | 0.11 | 0.03 | 0.07 | 0.44 | 0.06 |
| 40 | 3:20 | 1.1 | 0.18 | 0.11 | 0.03 | 0.07 | 0.44 | 0.06 |
| 41 | 3:25 | 1.2 | 0.20 | 0.11 | 0.04 | 0.09 | 0.55 | 0.07 |
| 42 | 3:30 | 1.3 | 0.22 | 0.11 | 0.04 | 0.10 | 0.65 | 0.07 |
| 43 | 3:35 | 1.4 | 0.24 | 0.11 | 0.04 | 0.12 | 0.76 | 0.07 |
| 44 | 3:40 | 1.4 | 0.24 | 0.11 | 0.04 | 0.12 | 0.76 | 0.08 |
| 45 | 3:45 | 1.5 | 0.25 | 0.11 | 0.05 | 0.14 | 0.86 | 0.08 |
| 46 | 3:50 | 1.5 | 0.25 | 0.11 | 0.05 | 0.14 | 0.86 | 0.09 |
| 47 | 3:55 | 1.6 | 0.27 | 0.11 | 0.05 | 0.15 | 0.97 | 0.10 |
| 48 | 4:00 | 1.6 | 0.27 | 0.11 | 0.05 | 0.15 | 0.97 | 0.10 |
| 49 | 4:05 | 1.7 | 0.29 | 0.11 | 0.05 | 0.17 | 1.07 | 0.11 |
| 50 | 4:10 | 1.8 | 0.30 | 0.11 | 0.05 | 0.19 | 1.18 | 0.12 |
| 51 | 4:15 | 1.9 | 0.32 | 0.11 | 0.06 | 0.21 | 1.28 | 0.13 |
| 52 | 4:20 | 2.0 | 0.34 | 0.11 | 0.06 | 0.22 | 1.39 | 0.14 |
| 53 | 4:25 | 2.1 | 0.35 | 0.11 | 0.06 | 0.24 | 1.49 | 0.15 |
| 54 | 4:30 | 2.1 | 0.35 | 0.11 | 0.06 | 0.24 | 1.49 | 0.16 |
| 55 | 4:35 | 2.2 | 0.37 | 0.11 | 0.07 | 0.26 | 1.60 | 0.17 |
| 56 | 4:40 | 2.3 | 0.39 | 0.11 | 0.07 | 0.27 | 1.70 | 0.18 |
| 57 | 4:45 | 2.4 | 0.40 | 0.11 | 0.07 | 0.29 | 1.81 | 0.19 |
| 58 | 4:50 | 2.4 | 0.40 | 0.11 | 0.07 | 0.29 | 1.81 | 0.20 |
| 59 | 4:55 | 2.5 | 0.42 | 0.11 | 0.08 | 0.31 | 1.91 | 0.22 |
| 60 | 5:00 | 2.6 | 0.44 | 0.11 | 0.08 | 0.32 | 2.02 | 0.23 |
| 61 | 5:05 | 3.1 | 0.52 | 0.11 | 0.09 | 0.41 | 2.54 | 0.24 |
| 62 | 5:10 | 3.6 | 0.60 | 0.11 | 0.11 | 0.49 | 3.07 | 0.26 |
| 63 | 5:15 | 3.9 | 0.66 | 0.11 | 0.12 | 0.54 | 3.38 | 0.29 |
| 64 | 5:20 | 4.2 | 0.71 | 0.11 | 0.13 | 0.59 | 3.70 | 0.31 |
| 65 | 5:25 | 4.7 | 0.79 | 0.11 | 0.14 | 0.68 | 4.22 | 0.34 |
| 66 | 5:30 | 5.6 | 0.94 | 0.11 | 0.17 | 0.83 | 5.17 | 0.37 |
| 67 | 5:35 | 1.9 | 0.32 | 0.11 | 0.06 | 0.21 | 1.28 | 0.39 |
| 68 | 5:40 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.23 | 0.40 |
| 69 | 5:45 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.52 | 0.40 |
| 70 | 5:50 | 0.5 | 0.08 | 0.11 | 0.02 | 0.07 | 0.43 | 0.40 |
| 71 | 5:55 | 0.3 | 0.05 | 0.11 | 0.01 | 0.04 | 0.26 | 0.41 |
| 72 | 6:00 | 0.2 | 0.03 | 0.11 | 0.01 | 0.03 | 0.17 | 0.41 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.0 |
| AMC | | 1 |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.06 | 0.11 | 0.01 | 0.05 | 0.31 | 0.00 |
| 2 | 0:10 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.37 | 0.00 |
| 3 | 0:15 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.37 | 0.01 |
| 4 | 0:20 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.37 | 0.01 |
| 5 | 0:25 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.37 | 0.01 |
| 6 | 0:30 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.43 | 0.01 |
| 7 | 0:35 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.43 | 0.02 |
| 8 | 0:40 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.43 | 0.02 |
| 9 | 0:45 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.43 | 0.02 |
| 10 | 0:50 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.43 | 0.03 |
| 11 | 0:55 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.43 | 0.03 |
| 12 | 1:00 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.49 | 0.03 |
| 13 | 1:05 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.49 | 0.04 |
| 14 | 1:10 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.49 | 0.04 |
| 15 | 1:15 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.49 | 0.04 |
| 16 | 1:20 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.49 | 0.05 |
| 17 | 1:25 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.49 | 0.05 |
| 18 | 1:30 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.49 | 0.05 |
| 19 | 1:35 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.49 | 0.06 |
| 20 | 1:40 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.49 | 0.06 |
| 21 | 1:45 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.49 | 0.06 |
| 22 | 1:50 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.49 | 0.07 |
| 23 | 1:55 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.49 | 0.07 |
| 24 | 2:00 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.55 | 0.07 |
| 25 | 2:05 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.49 | 0.08 |
| 26 | 2:10 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.55 | 0.08 |
| 27 | 2:15 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.55 | 0.08 |
| 28 | 2:20 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.55 | 0.09 |
| 29 | 2:25 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.55 | 0.09 |
| 30 | 2:30 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.55 | 0.10 |
| 31 | 2:35 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.55 | 0.10 |
| 32 | 2:40 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.55 | 0.10 |
| 33 | 2:45 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.04 | 0.10 |
| 34 | 2:50 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.04 | 0.11 |
| 35 | 2:55 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.04 | 0.11 |
| 36 | 3:00 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.04 | 0.11 |
| 37 | 3:05 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.04 | 0.11 |
| 38 | 3:10 | 1.1 | 0.13 | 0.11 | 0.02 | 0.02 | 0.11 | 0.11 |
| 39 | 3:15 | 1.1 | 0.13 | 0.11 | 0.02 | 0.02 | 0.11 | 0.11 |
| 40 | 3:20 | 1.1 | 0.13 | 0.11 | 0.02 | 0.02 | 0.11 | 0.11 |
| 41 | 3:25 | 1.2 | 0.14 | 0.11 | 0.03 | 0.03 | 0.19 | 0.11 |
| 42 | 3:30 | 1.3 | 0.16 | 0.11 | 0.03 | 0.04 | 0.26 | 0.11 |
| 43 | 3:35 | 1.4 | 0.17 | 0.11 | 0.03 | 0.05 | 0.34 | 0.11 |
| 44 | 3:40 | 1.4 | 0.17 | 0.11 | 0.03 | 0.05 | 0.34 | 0.11 |
| 45 | 3:45 | 1.5 | 0.18 | 0.11 | 0.03 | 0.07 | 0.41 | 0.12 |
| 46 | 3:50 | 1.5 | 0.18 | 0.11 | 0.03 | 0.07 | 0.41 | 0.12 |
| 47 | 3:55 | 1.6 | 0.19 | 0.11 | 0.03 | 0.08 | 0.49 | 0.12 |
| 48 | 4:00 | 1.6 | 0.19 | 0.11 | 0.03 | 0.08 | 0.49 | 0.13 |
| 49 | 4:05 | 1.7 | 0.20 | 0.11 | 0.04 | 0.09 | 0.56 | 0.13 |
| 50 | 4:10 | 1.8 | 0.22 | 0.11 | 0.04 | 0.10 | 0.64 | 0.13 |
| 51 | 4:15 | 1.9 | 0.23 | 0.11 | 0.04 | 0.11 | 0.71 | 0.14 |
| 52 | 4:20 | 2.0 | 0.24 | 0.11 | 0.04 | 0.13 | 0.79 | 0.14 |
| 53 | 4:25 | 2.1 | 0.25 | 0.11 | 0.05 | 0.14 | 0.86 | 0.15 |
| 54 | 4:30 | 2.1 | 0.25 | 0.11 | 0.05 | 0.14 | 0.86 | 0.16 |
| 55 | 4:35 | 2.2 | 0.26 | 0.11 | 0.05 | 0.15 | 0.94 | 0.16 |
| 56 | 4:40 | 2.3 | 0.28 | 0.11 | 0.05 | 0.16 | 1.01 | 0.17 |
| 57 | 4:45 | 2.4 | 0.29 | 0.11 | 0.05 | 0.17 | 1.09 | 0.18 |
| 58 | 4:50 | 2.4 | 0.29 | 0.11 | 0.05 | 0.17 | 1.09 | 0.18 |
| 59 | 4:55 | 2.5 | 0.30 | 0.11 | 0.05 | 0.19 | 1.16 | 0.19 |
| 60 | 5:00 | 2.6 | 0.31 | 0.11 | 0.06 | 0.20 | 1.24 | 0.20 |
| 61 | 5:05 | 3.1 | 0.37 | 0.11 | 0.07 | 0.26 | 1.61 | 0.21 |
| 62 | 5:10 | 3.6 | 0.43 | 0.11 | 0.08 | 0.32 | 1.99 | 0.22 |
| 63 | 5:15 | 3.9 | 0.47 | 0.11 | 0.08 | 0.35 | 2.21 | 0.24 |
| 64 | 5:20 | 4.2 | 0.50 | 0.11 | 0.09 | 0.39 | 2.44 | 0.25 |
| 65 | 5:25 | 4.7 | 0.56 | 0.11 | 0.10 | 0.45 | 2.81 | 0.27 |
| 66 | 5:30 | 5.6 | 0.67 | 0.11 | 0.12 | 0.56 | 3.49 | 0.29 |
| 67 | 5:35 | 1.9 | 0.23 | 0.11 | 0.04 | 0.11 | 0.71 | 0.31 |
| 68 | 5:40 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.55 | 0.31 |
| 69 | 5:45 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.37 | 0.31 |
| 70 | 5:50 | 0.5 | 0.06 | 0.11 | 0.01 | 0.05 | 0.31 | 0.32 |
| 71 | 5:55 | 0.3 | 0.04 | 0.11 | 0.01 | 0.03 | 0.18 | 0.32 |
| 72 | 6:00 | 0.2 | 0.02 | 0.11 | 0.00 | 0.02 | 0.12 | 0.32 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.9 |
| AMC | | III |
| RI | | 69.0 |
| Fp | (in/hr) | 0.21 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.04 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.30 | 0.04 | 0.05 | 0.26 | 1.60 | 0.01 |
| 2 | 0:10 | 1.3 | 0.30 | 0.04 | 0.05 | 0.26 | 1.60 | 0.02 |
| 3 | 0:15 | 1.1 | 0.25 | 0.04 | 0.05 | 0.21 | 1.32 | 0.03 |
| 4 | 0:20 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 1.89 | 0.04 |
| 5 | 0:25 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 1.89 | 0.05 |
| 6 | 0:30 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 2.32 | 0.07 |
| 7 | 0:35 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 1.89 | 0.08 |
| 8 | 0:40 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 2.32 | 0.09 |
| 9 | 0:45 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 2.32 | 0.11 |
| 10 | 0:50 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 1.89 | 0.12 |
| 11 | 0:55 | 1.6 | 0.36 | 0.04 | 0.07 | 0.32 | 2.03 | 0.14 |
| 12 | 1:00 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 2.32 | 0.15 |
| 13 | 1:05 | 2.2 | 0.50 | 0.04 | 0.09 | 0.46 | 2.89 | 0.17 |
| 14 | 1:10 | 2.2 | 0.50 | 0.04 | 0.09 | 0.46 | 2.89 | 0.19 |
| 15 | 1:15 | 2.2 | 0.50 | 0.04 | 0.09 | 0.46 | 2.89 | 0.21 |
| 16 | 1:20 | 2.0 | 0.46 | 0.04 | 0.08 | 0.42 | 2.60 | 0.23 |
| 17 | 1:25 | 2.6 | 0.59 | 0.04 | 0.11 | 0.55 | 3.46 | 0.25 |
| 18 | 1:30 | 2.7 | 0.62 | 0.04 | 0.11 | 0.58 | 3.60 | 0.27 |
| 19 | 1:35 | 2.4 | 0.55 | 0.04 | 0.10 | 0.51 | 3.17 | 0.30 |
| 20 | 1:40 | 2.7 | 0.62 | 0.04 | 0.11 | 0.58 | 3.60 | 0.32 |
| 21 | 1:45 | 3.3 | 0.75 | 0.04 | 0.14 | 0.71 | 4.45 | 0.35 |
| 22 | 1:50 | 3.1 | 0.71 | 0.04 | 0.13 | 0.67 | 4.17 | 0.38 |
| 23 | 1:55 | 2.9 | 0.66 | 0.04 | 0.12 | 0.62 | 3.88 | 0.41 |
| 24 | 2:00 | 3.0 | 0.68 | 0.04 | 0.12 | 0.64 | 4.03 | 0.43 |
| 25 | 2:05 | 3.1 | 0.71 | 0.04 | 0.13 | 0.67 | 4.17 | 0.46 |
| 26 | 2:10 | 4.2 | 0.96 | 0.04 | 0.17 | 0.92 | 5.74 | 0.50 |
| 27 | 2:15 | 5.0 | 1.14 | 0.04 | 0.21 | 1.10 | 6.88 | 0.54 |
| 28 | 2:20 | 3.5 | 0.80 | 0.04 | 0.14 | 0.76 | 4.74 | 0.58 |
| 29 | 2:25 | 6.8 | 1.55 | 0.04 | 0.28 | 1.51 | 9.44 | 0.63 |
| 30 | 2:30 | 7.3 | 1.66 | 0.04 | 0.30 | 1.62 | 10.15 | 0.70 |
| 31 | 2:35 | 8.2 | 1.87 | 0.04 | 0.34 | 1.83 | 11.44 | 0.77 |
| 32 | 2:40 | 5.9 | 1.35 | 0.04 | 0.24 | 1.31 | 8.16 | 0.84 |
| 33 | 2:45 | 2.0 | 0.46 | 0.04 | 0.08 | 0.42 | 2.60 | 0.87 |
| 34 | 2:50 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 2.32 | 0.89 |
| 35 | 2:55 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 2.32 | 0.91 |
| 36 | 3:00 | 0.6 | 0.14 | 0.04 | 0.02 | 0.10 | 0.61 | 0.92 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.3 |
| AMC | | II |
| RI | | 69.0 |
| Fp | (in/hr) | 0.40 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.08 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.20 | 0.08 | 0.04 | 0.13 | 0.79 | 0.00 |
| 2 | 0:10 | 1.3 | 0.20 | 0.08 | 0.04 | 0.13 | 0.79 | 0.01 |
| 3 | 0:15 | 1.1 | 0.17 | 0.08 | 0.03 | 0.10 | 0.60 | 0.01 |
| 4 | 0:20 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 0.99 | 0.02 |
| 5 | 0:25 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 0.99 | 0.03 |
| 6 | 0:30 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.28 | 0.03 |
| 7 | 0:35 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 0.99 | 0.04 |
| 8 | 0:40 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.28 | 0.05 |
| 9 | 0:45 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.28 | 0.06 |
| 10 | 0:50 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 0.99 | 0.07 |
| 11 | 0:55 | 1.6 | 0.25 | 0.08 | 0.04 | 0.17 | 1.09 | 0.07 |
| 12 | 1:00 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.28 | 0.08 |
| 13 | 1:05 | 2.2 | 0.34 | 0.08 | 0.06 | 0.27 | 1.67 | 0.09 |
| 14 | 1:10 | 2.2 | 0.34 | 0.08 | 0.06 | 0.27 | 1.67 | 0.10 |
| 15 | 1:15 | 2.2 | 0.34 | 0.08 | 0.06 | 0.27 | 1.67 | 0.11 |
| 16 | 1:20 | 2.0 | 0.31 | 0.08 | 0.06 | 0.24 | 1.48 | 0.12 |
| 17 | 1:25 | 2.6 | 0.41 | 0.08 | 0.07 | 0.33 | 2.06 | 0.14 |
| 18 | 1:30 | 2.7 | 0.42 | 0.08 | 0.08 | 0.35 | 2.16 | 0.15 |
| 19 | 1:35 | 2.4 | 0.37 | 0.08 | 0.07 | 0.30 | 1.87 | 0.17 |
| 20 | 1:40 | 2.7 | 0.42 | 0.08 | 0.08 | 0.35 | 2.16 | 0.18 |
| 21 | 1:45 | 3.3 | 0.51 | 0.08 | 0.09 | 0.44 | 2.74 | 0.20 |
| 22 | 1:50 | 3.1 | 0.48 | 0.08 | 0.09 | 0.41 | 2.55 | 0.21 |
| 23 | 1:55 | 2.9 | 0.45 | 0.08 | 0.08 | 0.38 | 2.35 | 0.23 |
| 24 | 2:00 | 3.0 | 0.47 | 0.08 | 0.08 | 0.39 | 2.45 | 0.25 |
| 25 | 2:05 | 3.1 | 0.48 | 0.08 | 0.09 | 0.41 | 2.55 | 0.26 |
| 26 | 2:10 | 4.2 | 0.66 | 0.08 | 0.12 | 0.58 | 3.62 | 0.29 |
| 27 | 2:15 | 5.0 | 0.78 | 0.08 | 0.14 | 0.70 | 4.40 | 0.31 |
| 28 | 2:20 | 3.5 | 0.55 | 0.08 | 0.10 | 0.47 | 2.94 | 0.34 |
| 29 | 2:25 | 6.8 | 1.06 | 0.08 | 0.19 | 0.98 | 6.16 | 0.37 |
| 30 | 2:30 | 7.3 | 1.14 | 0.08 | 0.20 | 1.06 | 6.64 | 0.41 |
| 31 | 2:35 | 8.2 | 1.28 | 0.08 | 0.23 | 1.20 | 7.52 | 0.46 |
| 32 | 2:40 | 5.9 | 0.92 | 0.08 | 0.17 | 0.84 | 5.28 | 0.51 |
| 33 | 2:45 | 2.0 | 0.31 | 0.08 | 0.06 | 0.24 | 1.48 | 0.53 |
| 34 | 2:50 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.28 | 0.54 |
| 35 | 2:55 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.28 | 0.55 |
| 36 | 3:00 | 0.6 | 0.09 | 0.08 | 0.02 | 0.02 | 0.11 | 0.55 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.1 |
| AMC | | 1 |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| At | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.17 | 0.11 | 0.03 | 0.06 | 0.36 | 0.00 |
| 2 | 0:10 | 1.3 | 0.17 | 0.11 | 0.03 | 0.06 | 0.36 | 0.00 |
| 3 | 0:15 | 1.1 | 0.15 | 0.11 | 0.03 | 0.03 | 0.20 | 0.01 |
| 4 | 0:20 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 0.53 | 0.01 |
| 5 | 0:25 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 0.53 | 0.01 |
| 6 | 0:30 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 0.77 | 0.02 |
| 7 | 0:35 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 0.53 | 0.02 |
| 8 | 0:40 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 0.77 | 0.03 |
| 9 | 0:45 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 0.77 | 0.03 |
| 10 | 0:50 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 0.53 | 0.03 |
| 11 | 0:55 | 1.6 | 0.21 | 0.11 | 0.04 | 0.10 | 0.61 | 0.04 |
| 12 | 1:00 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 0.77 | 0.04 |
| 13 | 1:05 | 2.2 | 0.29 | 0.11 | 0.05 | 0.18 | 1.10 | 0.05 |
| 14 | 1:10 | 2.2 | 0.29 | 0.11 | 0.05 | 0.18 | 1.10 | 0.06 |
| 15 | 1:15 | 2.2 | 0.29 | 0.11 | 0.05 | 0.18 | 1.10 | 0.07 |
| 16 | 1:20 | 2.0 | 0.26 | 0.11 | 0.05 | 0.15 | 0.94 | 0.07 |
| 17 | 1:25 | 2.6 | 0.34 | 0.11 | 0.06 | 0.23 | 1.43 | 0.08 |
| 18 | 1:30 | 2.7 | 0.36 | 0.11 | 0.06 | 0.24 | 1.52 | 0.09 |
| 19 | 1:35 | 2.4 | 0.32 | 0.11 | 0.06 | 0.20 | 1.27 | 0.10 |
| 20 | 1:40 | 2.7 | 0.36 | 0.11 | 0.06 | 0.24 | 1.52 | 0.11 |
| 21 | 1:45 | 3.3 | 0.44 | 0.11 | 0.08 | 0.32 | 2.01 | 0.12 |
| 22 | 1:50 | 3.1 | 0.41 | 0.11 | 0.07 | 0.30 | 1.85 | 0.14 |
| 23 | 1:55 | 2.9 | 0.38 | 0.11 | 0.07 | 0.27 | 1.68 | 0.15 |
| 24 | 2:00 | 3.0 | 0.40 | 0.11 | 0.07 | 0.28 | 1.76 | 0.16 |
| 25 | 2:05 | 3.1 | 0.41 | 0.11 | 0.07 | 0.30 | 1.85 | 0.17 |
| 26 | 2:10 | 4.2 | 0.55 | 0.11 | 0.10 | 0.44 | 2.75 | 0.19 |
| 27 | 2:15 | 5.0 | 0.66 | 0.11 | 0.12 | 0.55 | 3.41 | 0.21 |
| 28 | 2:20 | 3.5 | 0.46 | 0.11 | 0.08 | 0.35 | 2.18 | 0.23 |
| 29 | 2:25 | 6.8 | 0.90 | 0.11 | 0.16 | 0.78 | 4.90 | 0.25 |
| 30 | 2:30 | 7.3 | 0.96 | 0.11 | 0.17 | 0.85 | 5.31 | 0.29 |
| 31 | 2:35 | 8.2 | 1.08 | 0.11 | 0.19 | 0.97 | 6.05 | 0.33 |
| 32 | 2:40 | 5.9 | 0.78 | 0.11 | 0.14 | 0.66 | 4.16 | 0.36 |
| 33 | 2:45 | 2.0 | 0.26 | 0.11 | 0.05 | 0.15 | 0.94 | 0.38 |
| 34 | 2:50 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 0.77 | 0.39 |
| 35 | 2:55 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 0.77 | 0.39 |
| 36 | 3:00 | 0.6 | 0.08 | 0.11 | 0.01 | 0.06 | 0.41 | 0.39 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 6.3 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 0.8 |
| AMC | | I |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.12 | 0.11 | 0.02 | 0.01 | 0.07 | 0.00 |
| 2 | 0:10 | 1.3 | 0.12 | 0.11 | 0.02 | 0.01 | 0.07 | 0.00 |
| 3 | 0:15 | 1.1 | 0.11 | 0.11 | 0.02 | 0.09 | 0.54 | 0.00 |
| 4 | 0:20 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 0.19 | 0.01 |
| 5 | 0:25 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 0.19 | 0.01 |
| 6 | 0:30 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.37 | 0.01 |
| 7 | 0:35 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 0.19 | 0.01 |
| 8 | 0:40 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.37 | 0.01 |
| 9 | 0:45 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.37 | 0.01 |
| 10 | 0:50 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 0.19 | 0.02 |
| 11 | 0:55 | 1.6 | 0.15 | 0.11 | 0.03 | 0.04 | 0.25 | 0.02 |
| 12 | 1:00 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.37 | 0.02 |
| 13 | 1:05 | 2.2 | 0.21 | 0.11 | 0.04 | 0.10 | 0.61 | 0.02 |
| 14 | 1:10 | 2.2 | 0.21 | 0.11 | 0.04 | 0.10 | 0.61 | 0.03 |
| 15 | 1:15 | 2.2 | 0.21 | 0.11 | 0.04 | 0.10 | 0.61 | 0.03 |
| 16 | 1:20 | 2.0 | 0.19 | 0.11 | 0.03 | 0.08 | 0.49 | 0.04 |
| 17 | 1:25 | 2.6 | 0.25 | 0.11 | 0.04 | 0.14 | 0.85 | 0.04 |
| 18 | 1:30 | 2.7 | 0.26 | 0.11 | 0.05 | 0.15 | 0.91 | 0.05 |
| 19 | 1:35 | 2.4 | 0.23 | 0.11 | 0.04 | 0.12 | 0.73 | 0.05 |
| 20 | 1:40 | 2.7 | 0.26 | 0.11 | 0.05 | 0.15 | 0.91 | 0.06 |
| 21 | 1:45 | 3.3 | 0.32 | 0.11 | 0.06 | 0.20 | 1.27 | 0.07 |
| 22 | 1:50 | 3.1 | 0.30 | 0.11 | 0.05 | 0.18 | 1.15 | 0.07 |
| 23 | 1:55 | 2.9 | 0.28 | 0.11 | 0.05 | 0.16 | 1.03 | 0.08 |
| 24 | 2:00 | 3.0 | 0.29 | 0.11 | 0.05 | 0.17 | 1.09 | 0.09 |
| 25 | 2:05 | 3.1 | 0.30 | 0.11 | 0.05 | 0.18 | 1.15 | 0.10 |
| 26 | 2:10 | 4.2 | 0.40 | 0.11 | 0.07 | 0.29 | 1.81 | 0.11 |
| 27 | 2:15 | 5.0 | 0.48 | 0.11 | 0.09 | 0.37 | 2.29 | 0.12 |
| 28 | 2:20 | 3.5 | 0.34 | 0.11 | 0.06 | 0.22 | 1.39 | 0.13 |
| 29 | 2:25 | 6.8 | 0.65 | 0.11 | 0.12 | 0.54 | 3.37 | 0.15 |
| 30 | 2:30 | 7.3 | 0.70 | 0.11 | 0.13 | 0.59 | 3.67 | 0.17 |
| 31 | 2:35 | 8.2 | 0.79 | 0.11 | 0.14 | 0.67 | 4.21 | 0.20 |
| 32 | 2:40 | 5.9 | 0.57 | 0.11 | 0.10 | 0.45 | 2.83 | 0.22 |
| 33 | 2:45 | 2.0 | 0.19 | 0.11 | 0.03 | 0.08 | 0.49 | 0.24 |
| 34 | 2:50 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.37 | 0.24 |
| 35 | 2:55 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.37 | 0.24 |
| 36 | 3:00 | 0.6 | 0.06 | 0.11 | 0.01 | 0.05 | 0.30 | 0.24 |

# BUILDING 4

MORENO VALLEY LOGISTICS CENTER, INDIAN STREET, MORENO VALLEY
BASIN #1

| Elevation | Depth (feet) | Area (s.f.) | Volume (c.f.) | Σ Volume (c.f.) | Σ Volume (ac-ft) |
|---|---|---|---|---|---|
| 1481.76 | 0.00 | 9600 | | | |
| | | | 3307 | 3307 | 0.076 |
| 1482.09 | 0.33 | 10445 | | | |
| | | | 3705 | 7013 | 0.161 |
| 1482.43 | 0.67 | 11350 | | | |
| | | | 3896 | 10908 | 0.250 |
| 1482.76 | 1.00 | 12260 | | | |
| | | | 4199 | 15107 | 0.347 |
| 1483.09 | 1.33 | 13190 | | | |
| | | | 3667 | 18774 | 0.431 |
| 1483.36 | 1.60 | 13970 | | | |
| | | | 9555 | 28329 | 0.650 |
| 1484.00 | 2.24 | 15890 | | | |
| | | | 17483 | 45812 | 1.052 |
| 1485.00 | 3.24 | 19075 | | | |
| | | | 20783 | 66594 | 1.529 |
| 1486.00 | 4.24 | 22490 | | | |
| | | | 4344 | 70939 | 1.629 |
| 1486.19 | 4.43 | 23240 | | | |

WATER QUALITY VOLUME

ADDITIONAL STORAGE

# Hydrologic Summary

BUILDING 4.
EXIST. CONDITION

## Watershed Characteristics

| | | |
|---|---|---|
| Area | (acres) | 8.65 |
| Soil | | C |
| Cover | | open space |

## Hydrograph Parameters

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Rainfall - 24-hr | (inches) | 4.0 | 2.6 | 2.2 | 1.6 | |
| Rainfall - 6-hr | (inches) | 2.5 | 1.7 | 1.4 | 1.0 | |
| Rainfall - 3-hr | (inches) | 1.9 | 1.3 | 1.1 | 0.8 | |
| AMC | | III | II | I | I | |
| RI | | 77 | 77 | 77 | 77 | Plate E-6.1 |
| Fp | (in/hr) | 0.14 | 0.28 | 0.48 | 0.48 | Plate E-6.2 |
| Ai | (decimal) | 0.00 | 0.00 | 0.00 | 0.00 | Plate E-6.3 |
| Low Loss | (decimal) | 0.90 | 0.90 | 0.90 | 0.90 | 0.9-(0.8Ai) |
| F | (in/hr) | 0.14 | 0.28 | 0.48 | 0.48 | Fp(1-0.9Ai) |
| Fm | (in/hr) | 0.07 | 0.14 | 0.24 | 0.24 | F/2 |
| C | | 0.00 | 0.00 | 0.00 | 0.00 | (F-Fm)/54 |

## Hydrograph Results

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Peak Flow | (cfs) | 3.66 | 0.97 | 0.26 | 0.19 | 24-hour |
| Peak Flow | (cfs) | 13.32 | 7.46 | 3.99 | 1.66 | 6-hour |
| Peak Flow | (cfs) | 14.96 | 8.64 | 5.21 | 2.66 | 3-hour |
| Total Runoff | (ac-ft) | 1.33 | 0.22 | 0.16 | 0.11 | 24-hour |
| Total Runoff | (ac-ft) | 1.20 | 0.38 | 0.15 | 0.08 | 6-hour |
| Total Runoff | (ac-ft) | 1.06 | 0.38 | 0.17 | 0.09 | 3-hour |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 4.0 |
| AMC | | III |
| RI | | 77.0 |
| Fp | (in/hr) | 0.14 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.14 |
| Fm | (in/hr) | 0.07 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.03 | 0.25 | 0.03 | 0.00 | 0.03 | 0.00 |
| 2 | 0:30 | 0.3 | 0.05 | 0.24 | 0.04 | 0.00 | 0.04 | 0.00 |
| 3 | 0:45 | 0.3 | 0.05 | 0.24 | 0.04 | 0.00 | 0.04 | 0.00 |
| 4 | 1:00 | 0.4 | 0.06 | 0.24 | 0.06 | 0.01 | 0.06 | 0.00 |
| 5 | 1:15 | 0.3 | 0.05 | 0.24 | 0.04 | 0.00 | 0.04 | 0.00 |
| 6 | 1:30 | 0.3 | 0.05 | 0.23 | 0.04 | 0.00 | 0.04 | 0.00 |
| 7 | 1:45 | 0.3 | 0.05 | 0.23 | 0.04 | 0.00 | 0.04 | 0.01 |
| 8 | 2:00 | 0.4 | 0.06 | 0.23 | 0.06 | 0.01 | 0.06 | 0.01 |
| 9 | 2:15 | 0.4 | 0.06 | 0.22 | 0.06 | 0.01 | 0.06 | 0.01 |
| 10 | 2:30 | 0.4 | 0.06 | 0.22 | 0.06 | 0.01 | 0.06 | 0.01 |
| 11 | 2:45 | 0.5 | 0.08 | 0.22 | 0.07 | 0.01 | 0.07 | 0.01 |
| 12 | 3:00 | 0.5 | 0.08 | 0.22 | 0.07 | 0.01 | 0.07 | 0.01 |
| 13 | 3:15 | 0.5 | 0.08 | 0.21 | 0.07 | 0.01 | 0.07 | 0.01 |
| 14 | 3:30 | 0.5 | 0.08 | 0.21 | 0.07 | 0.01 | 0.07 | 0.01 |
| 15 | 3:45 | 0.5 | 0.08 | 0.21 | 0.07 | 0.01 | 0.07 | 0.02 |
| 16 | 4:00 | 0.6 | 0.10 | 0.21 | 0.09 | 0.01 | 0.08 | 0.02 |
| 17 | 4:15 | 0.6 | 0.10 | 0.20 | 0.09 | 0.01 | 0.08 | 0.02 |
| 18 | 4:30 | 0.7 | 0.11 | 0.20 | 0.10 | 0.01 | 0.10 | 0.02 |
| 19 | 4:45 | 0.7 | 0.11 | 0.20 | 0.10 | 0.01 | 0.10 | 0.02 |
| 20 | 5:00 | 0.8 | 0.13 | 0.20 | 0.12 | 0.01 | 0.11 | 0.03 |
| 21 | 5:15 | 0.6 | 0.10 | 0.19 | 0.09 | 0.01 | 0.08 | 0.03 |
| 22 | 5:30 | 0.7 | 0.11 | 0.19 | 0.10 | 0.01 | 0.10 | 0.03 |
| 23 | 5:45 | 0.8 | 0.13 | 0.19 | 0.12 | 0.01 | 0.11 | 0.03 |
| 24 | 6:00 | 0.8 | 0.13 | 0.19 | 0.12 | 0.01 | 0.11 | 0.03 |
| 25 | 6:15 | 0.9 | 0.14 | 0.18 | 0.13 | 0.01 | 0.12 | 0.04 |
| 26 | 6:30 | 0.9 | 0.14 | 0.18 | 0.13 | 0.01 | 0.12 | 0.04 |
| 27 | 6:45 | 1.0 | 0.16 | 0.18 | 0.14 | 0.02 | 0.14 | 0.04 |
| 28 | 7:00 | 1.0 | 0.16 | 0.18 | 0.14 | 0.02 | 0.14 | 0.04 |
| 29 | 7:15 | 1.0 | 0.16 | 0.17 | 0.14 | 0.02 | 0.14 | 0.05 |
| 30 | 7:30 | 1.1 | 0.18 | 0.17 | 0.16 | 0.00 | 0.04 | 0.05 |
| 31 | 7:45 | 1.2 | 0.19 | 0.17 | 0.17 | 0.02 | 0.20 | 0.05 |
| 32 | 8:00 | 1.3 | 0.21 | 0.17 | 0.19 | 0.04 | 0.36 | 0.06 |
| 33 | 8:15 | 1.5 | 0.24 | 0.16 | 0.22 | 0.08 | 0.66 | 0.07 |
| 34 | 8:30 | 1.5 | 0.24 | 0.16 | 0.22 | 0.08 | 0.68 | 0.08 |
| 35 | 8:45 | 1.6 | 0.26 | 0.16 | 0.23 | 0.10 | 0.83 | 0.10 |
| 36 | 9:00 | 1.7 | 0.27 | 0.16 | 0.24 | 0.11 | 0.99 | 0.12 |
| 37 | 9:15 | 1.9 | 0.30 | 0.16 | 0.27 | 0.15 | 1.29 | 0.14 |
| 38 | 9:30 | 2.0 | 0.32 | 0.15 | 0.29 | 0.17 | 1.45 | 0.17 |
| 39 | 9:45 | 2.1 | 0.34 | 0.15 | 0.30 | 0.19 | 1.60 | 0.20 |
| 40 | 10:00 | 2.2 | 0.35 | 0.15 | 0.32 | 0.20 | 1.76 | 0.23 |
| 41 | 10:15 | 1.5 | 0.24 | 0.15 | 0.22 | 0.09 | 0.81 | 0.26 |
| 42 | 10:30 | 1.5 | 0.24 | 0.14 | 0.22 | 0.10 | 0.83 | 0.28 |
| 43 | 10:45 | 2.0 | 0.32 | 0.14 | 0.29 | 0.18 | 1.54 | 0.30 |
| 44 | 11:00 | 2.0 | 0.32 | 0.14 | 0.29 | 0.18 | 1.56 | 0.33 |
| 45 | 11:15 | 1.9 | 0.30 | 0.14 | 0.27 | 0.17 | 1.44 | 0.36 |
| 46 | 11:30 | 1.9 | 0.30 | 0.14 | 0.27 | 0.17 | 1.45 | 0.39 |
| 47 | 11:45 | 1.7 | 0.27 | 0.13 | 0.24 | 0.14 | 1.19 | 0.42 |
| 48 | 12:00 | 1.8 | 0.29 | 0.13 | 0.26 | 0.16 | 1.35 | 0.45 |
| 49 | 12:15 | 2.5 | 0.40 | 0.13 | 0.36 | 0.27 | 2.34 | 0.49 |
| 50 | 12:30 | 2.6 | 0.42 | 0.13 | 0.37 | 0.29 | 2.49 | 0.54 |
| 51 | 12:45 | 2.8 | 0.45 | 0.13 | 0.40 | 0.32 | 2.78 | 0.59 |
| 52 | 13:00 | 2.9 | 0.46 | 0.12 | 0.42 | 0.34 | 2.94 | 0.65 |
| 53 | 13:15 | 3.4 | 0.54 | 0.12 | 0.49 | 0.42 | 3.65 | 0.72 |
| 54 | 13:30 | 3.4 | 0.54 | 0.12 | 0.49 | 0.42 | 3.66 | 0.79 |
| 55 | 13:45 | 2.3 | 0.37 | 0.12 | 0.33 | 0.25 | 2.16 | 0.85 |
| 56 | 14:00 | 2.3 | 0.37 | 0.12 | 0.33 | 0.25 | 2.17 | 0.90 |
| 57 | 14:15 | 2.7 | 0.43 | 0.12 | 0.39 | 0.32 | 2.74 | 0.95 |
| 58 | 14:30 | 2.6 | 0.42 | 0.11 | 0.37 | 0.30 | 2.62 | 1.00 |
| 59 | 14:45 | 2.6 | 0.42 | 0.11 | 0.37 | 0.30 | 2.63 | 1.06 |
| 60 | 15:00 | 2.5 | 0.40 | 0.11 | 0.36 | 0.29 | 2.51 | 1.11 |
| 61 | 15:15 | 2.4 | 0.38 | 0.11 | 0.35 | 0.28 | 2.39 | 1.16 |
| 62 | 15:30 | 2.3 | 0.37 | 0.11 | 0.33 | 0.26 | 2.26 | 1.21 |
| 63 | 15:45 | 1.9 | 0.30 | 0.10 | 0.27 | 0.20 | 1.72 | 1.25 |
| 64 | 16:00 | 1.9 | 0.30 | 0.10 | 0.27 | 0.20 | 1.74 | 1.29 |
| 65 | 16:15 | 0.4 | 0.06 | 0.10 | 0.06 | 0.01 | 0.06 | 1.31 |
| 66 | 16:30 | 0.4 | 0.06 | 0.10 | 0.06 | 0.01 | 0.06 | 1.31 |
| 67 | 16:45 | 0.3 | 0.05 | 0.10 | 0.04 | 0.00 | 0.04 | 1.31 |
| 68 | 17:00 | 0.3 | 0.05 | 0.10 | 0.04 | 0.00 | 0.04 | 1.31 |
| 69 | 17:15 | 0.5 | 0.08 | 0.10 | 0.07 | 0.01 | 0.07 | 1.31 |
| 70 | 17:30 | 0.5 | 0.08 | 0.09 | 0.07 | 0.01 | 0.07 | 1.31 |
| 71 | 17:45 | 0.5 | 0.08 | 0.09 | 0.07 | 0.01 | 0.07 | 1.31 |
| 72 | 18:00 | 0.4 | 0.06 | 0.09 | 0.06 | 0.01 | 0.06 | 1.31 |
| 73 | 18:15 | 0.4 | 0.06 | 0.09 | 0.06 | 0.01 | 0.06 | 1.31 |
| 74 | 18:30 | 0.4 | 0.06 | 0.09 | 0.06 | 0.01 | 0.06 | 1.32 |
| 75 | 18:45 | 0.3 | 0.05 | 0.09 | 0.04 | 0.00 | 0.04 | 1.32 |
| 76 | 19:00 | 0.2 | 0.03 | 0.09 | 0.03 | 0.00 | 0.03 | 1.32 |
| 77 | 19:15 | 0.3 | 0.05 | 0.09 | 0.04 | 0.00 | 0.04 | 1.32 |
| 78 | 19:30 | 0.4 | 0.06 | 0.08 | 0.06 | 0.01 | 0.06 | 1.32 |
| 79 | 19:45 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.04 | 1.32 |
| 80 | 20:00 | 0.2 | 0.03 | 0.08 | 0.03 | 0.00 | 0.03 | 1.32 |
| 81 | 20:15 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.04 | 1.32 |
| 82 | 20:30 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.04 | 1.32 |
| 83 | 20:45 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.04 | 1.32 |
| 84 | 21:00 | 0.2 | 0.03 | 0.08 | 0.03 | 0.00 | 0.03 | 1.32 |
| 85 | 21:15 | 0.3 | 0.05 | 0.08 | 0.04 | 0.00 | 0.04 | 1.32 |
| 86 | 21:30 | 0.2 | 0.03 | 0.08 | 0.03 | 0.00 | 0.03 | 1.33 |
| 87 | 21:45 | 0.3 | 0.05 | 0.07 | 0.04 | 0.00 | 0.04 | 1.33 |
| 88 | 22:00 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.03 | 1.33 |
| 89 | 22:15 | 0.3 | 0.05 | 0.07 | 0.04 | 0.00 | 0.04 | 1.33 |
| 90 | 22:30 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.03 | 1.33 |
| 91 | 22:45 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.03 | 1.33 |
| 92 | 23:00 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.03 | 1.33 |
| 93 | 23:15 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.03 | 1.33 |
| 94 | 23:30 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.03 | 1.33 |
| 95 | 23:45 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.03 | 1.33 |
| 96 | 0:00 | 0.2 | 0.03 | 0.07 | 0.03 | 0.00 | 0.03 | 1.33 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 2.6 |
| AMC | | II |
| RI | | 77.0 |
| Fp | (in/hr) | 0.28 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.28 |
| Fm | (in/hr) | 0.14 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.49 | 0.02 | 0.00 | 0.02 | 0.00 |
| 2 | 0:30 | 0.3 | 0.03 | 0.49 | 0.03 | 0.00 | 0.03 | 0.00 |
| 3 | 0:45 | 0.3 | 0.03 | 0.48 | 0.03 | 0.00 | 0.03 | 0.00 |
| 4 | 1:00 | 0.4 | 0.04 | 0.48 | 0.04 | 0.00 | 0.04 | 0.00 |
| 5 | 1:15 | 0.3 | 0.03 | 0.47 | 0.03 | 0.00 | 0.03 | 0.00 |
| 6 | 1:30 | 0.3 | 0.03 | 0.47 | 0.03 | 0.00 | 0.03 | 0.00 |
| 7 | 1:45 | 0.3 | 0.03 | 0.46 | 0.03 | 0.00 | 0.03 | 0.00 |
| 8 | 2:00 | 0.4 | 0.04 | 0.45 | 0.04 | 0.00 | 0.04 | 0.00 |
| 9 | 2:15 | 0.4 | 0.04 | 0.45 | 0.04 | 0.00 | 0.04 | 0.01 |
| 10 | 2:30 | 0.4 | 0.04 | 0.44 | 0.04 | 0.00 | 0.04 | 0.01 |
| 11 | 2:45 | 0.5 | 0.05 | 0.44 | 0.05 | 0.01 | 0.04 | 0.01 |
| 12 | 3:00 | 0.5 | 0.05 | 0.43 | 0.05 | 0.01 | 0.04 | 0.01 |
| 13 | 3:15 | 0.5 | 0.05 | 0.43 | 0.05 | 0.01 | 0.04 | 0.01 |
| 14 | 3:30 | 0.5 | 0.05 | 0.42 | 0.05 | 0.01 | 0.04 | 0.01 |
| 15 | 3:45 | 0.5 | 0.05 | 0.42 | 0.05 | 0.01 | 0.04 | 0.01 |
| 16 | 4:00 | 0.6 | 0.06 | 0.41 | 0.06 | 0.01 | 0.05 | 0.01 |
| 17 | 4:15 | 0.6 | 0.06 | 0.41 | 0.06 | 0.01 | 0.05 | 0.01 |
| 18 | 4:30 | 0.7 | 0.07 | 0.40 | 0.07 | 0.01 | 0.06 | 0.01 |
| 19 | 4:45 | 0.7 | 0.07 | 0.40 | 0.07 | 0.01 | 0.06 | 0.01 |
| 20 | 5:00 | 0.8 | 0.08 | 0.39 | 0.07 | 0.01 | 0.07 | 0.02 |
| 21 | 5:15 | 0.6 | 0.06 | 0.39 | 0.06 | 0.01 | 0.05 | 0.02 |
| 22 | 5:30 | 0.7 | 0.07 | 0.38 | 0.07 | 0.01 | 0.06 | 0.02 |
| 23 | 5:45 | 0.8 | 0.08 | 0.38 | 0.07 | 0.01 | 0.07 | 0.02 |
| 24 | 6:00 | 0.8 | 0.08 | 0.37 | 0.07 | 0.01 | 0.07 | 0.02 |
| 25 | 6:15 | 0.9 | 0.09 | 0.37 | 0.08 | 0.01 | 0.08 | 0.02 |
| 26 | 6:30 | 0.9 | 0.09 | 0.36 | 0.08 | 0.01 | 0.08 | 0.02 |
| 27 | 6:45 | 1.0 | 0.10 | 0.36 | 0.09 | 0.01 | 0.09 | 0.03 |
| 28 | 7:00 | 1.0 | 0.10 | 0.35 | 0.09 | 0.01 | 0.09 | 0.03 |
| 29 | 7:15 | 1.0 | 0.10 | 0.35 | 0.09 | 0.01 | 0.09 | 0.03 |
| 30 | 7:30 | 1.1 | 0.11 | 0.34 | 0.10 | 0.01 | 0.10 | 0.03 |
| 31 | 7:45 | 1.2 | 0.12 | 0.34 | 0.11 | 0.01 | 0.11 | 0.03 |
| 32 | 8:00 | 1.3 | 0.14 | 0.33 | 0.12 | 0.01 | 0.12 | 0.04 |
| 33 | 8:15 | 1.5 | 0.16 | 0.33 | 0.14 | 0.02 | 0.13 | 0.04 |
| 34 | 8:30 | 1.5 | 0.16 | 0.32 | 0.14 | 0.02 | 0.13 | 0.04 |
| 35 | 8:45 | 1.6 | 0.17 | 0.32 | 0.15 | 0.02 | 0.14 | 0.05 |
| 36 | 9:00 | 1.7 | 0.18 | 0.31 | 0.16 | 0.02 | 0.15 | 0.05 |
| 37 | 9:15 | 1.9 | 0.20 | 0.31 | 0.18 | 0.02 | 0.17 | 0.05 |
| 38 | 9:30 | 2.0 | 0.21 | 0.31 | 0.19 | 0.02 | 0.18 | 0.06 |
| 39 | 9:45 | 2.1 | 0.22 | 0.30 | 0.20 | 0.02 | 0.19 | 0.06 |
| 40 | 10:00 | 2.2 | 0.23 | 0.30 | 0.21 | 0.02 | 0.20 | 0.06 |
| 41 | 10:15 | 1.5 | 0.16 | 0.29 | 0.14 | 0.02 | 0.13 | 0.07 |
| 42 | 10:30 | 1.5 | 0.16 | 0.29 | 0.14 | 0.02 | 0.13 | 0.07 |
| 43 | 10:45 | 2.0 | 0.21 | 0.28 | 0.19 | 0.02 | 0.18 | 0.07 |
| 44 | 11:00 | 2.0 | 0.21 | 0.28 | 0.19 | 0.02 | 0.18 | 0.08 |
| 45 | 11:15 | 1.9 | 0.20 | 0.28 | 0.18 | 0.02 | 0.17 | 0.08 |
| 46 | 11:30 | 1.9 | 0.20 | 0.27 | 0.18 | 0.02 | 0.17 | 0.08 |
| 47 | 11:45 | 1.7 | 0.18 | 0.27 | 0.16 | 0.02 | 0.15 | 0.09 |
| 48 | 12:00 | 1.8 | 0.19 | 0.26 | 0.17 | 0.02 | 0.16 | 0.09 |
| 49 | 12:15 | 2.5 | 0.26 | 0.26 | 0.23 | 0.03 | 0.22 | 0.09 |
| 50 | 12:30 | 2.6 | 0.27 | 0.26 | 0.24 | 0.01 | 0.12 | 0.10 |
| 51 | 12:45 | 2.8 | 0.29 | 0.25 | 0.26 | 0.04 | 0.34 | 0.10 |
| 52 | 13:00 | 2.9 | 0.30 | 0.25 | 0.27 | 0.05 | 0.46 | 0.11 |
| 53 | 13:15 | 3.4 | 0.35 | 0.24 | 0.32 | 0.11 | 0.94 | 0.12 |
| 54 | 13:30 | 3.4 | 0.35 | 0.24 | 0.32 | 0.11 | 0.97 | 0.14 |
| 55 | 13:45 | 2.3 | 0.24 | 0.24 | 0.22 | 0.00 | 0.02 | 0.15 |
| 56 | 14:00 | 2.3 | 0.24 | 0.23 | 0.22 | 0.01 | 0.05 | 0.16 |
| 57 | 14:15 | 2.7 | 0.28 | 0.23 | 0.25 | 0.05 | 0.44 | 0.16 |
| 58 | 14:30 | 2.6 | 0.27 | 0.23 | 0.24 | 0.04 | 0.38 | 0.17 |
| 59 | 14:45 | 2.6 | 0.27 | 0.22 | 0.24 | 0.05 | 0.41 | 0.18 |
| 60 | 15:00 | 2.5 | 0.26 | 0.22 | 0.23 | 0.04 | 0.35 | 0.18 |
| 61 | 15:15 | 2.4 | 0.25 | 0.22 | 0.22 | 0.03 | 0.29 | 0.19 |
| 62 | 15:30 | 2.3 | 0.24 | 0.21 | 0.22 | 0.03 | 0.23 | 0.20 |
| 63 | 15:45 | 1.9 | 0.20 | 0.21 | 0.18 | 0.02 | 0.17 | 0.20 |
| 64 | 16:00 | 1.9 | 0.20 | 0.21 | 0.18 | 0.02 | 0.17 | 0.20 |
| 65 | 16:15 | 0.4 | 0.04 | 0.20 | 0.04 | 0.00 | 0.04 | 0.21 |
| 66 | 16:30 | 0.4 | 0.04 | 0.20 | 0.04 | 0.00 | 0.04 | 0.21 |
| 67 | 16:45 | 0.3 | 0.03 | 0.20 | 0.03 | 0.00 | 0.03 | 0.21 |
| 68 | 17:00 | 0.3 | 0.03 | 0.19 | 0.03 | 0.00 | 0.03 | 0.21 |
| 69 | 17:15 | 0.5 | 0.05 | 0.19 | 0.05 | 0.01 | 0.04 | 0.21 |
| 70 | 17:30 | 0.5 | 0.05 | 0.19 | 0.05 | 0.01 | 0.04 | 0.21 |
| 71 | 17:45 | 0.5 | 0.05 | 0.19 | 0.05 | 0.01 | 0.04 | 0.21 |
| 72 | 18:00 | 0.4 | 0.04 | 0.18 | 0.04 | 0.00 | 0.04 | 0.21 |
| 73 | 18:15 | 0.4 | 0.04 | 0.18 | 0.04 | 0.00 | 0.04 | 0.21 |
| 74 | 18:30 | 0.4 | 0.04 | 0.18 | 0.04 | 0.00 | 0.04 | 0.21 |
| 75 | 18:45 | 0.3 | 0.03 | 0.18 | 0.03 | 0.00 | 0.03 | 0.21 |
| 76 | 19:00 | 0.2 | 0.02 | 0.17 | 0.02 | 0.00 | 0.02 | 0.21 |
| 77 | 19:15 | 0.3 | 0.03 | 0.17 | 0.03 | 0.00 | 0.03 | 0.22 |
| 78 | 19:30 | 0.4 | 0.04 | 0.17 | 0.04 | 0.00 | 0.04 | 0.22 |
| 79 | 19:45 | 0.3 | 0.03 | 0.17 | 0.03 | 0.00 | 0.03 | 0.22 |
| 80 | 20:00 | 0.2 | 0.02 | 0.16 | 0.02 | 0.00 | 0.02 | 0.22 |
| 81 | 20:15 | 0.3 | 0.03 | 0.16 | 0.03 | 0.00 | 0.03 | 0.22 |
| 82 | 20:30 | 0.3 | 0.03 | 0.16 | 0.03 | 0.00 | 0.03 | 0.22 |
| 83 | 20:45 | 0.3 | 0.03 | 0.16 | 0.03 | 0.00 | 0.03 | 0.22 |
| 84 | 21:00 | 0.2 | 0.02 | 0.16 | 0.02 | 0.00 | 0.02 | 0.22 |
| 85 | 21:15 | 0.3 | 0.03 | 0.15 | 0.03 | 0.00 | 0.03 | 0.22 |
| 86 | 21:30 | 0.2 | 0.02 | 0.15 | 0.02 | 0.00 | 0.02 | 0.22 |
| 87 | 21:45 | 0.3 | 0.03 | 0.15 | 0.03 | 0.00 | 0.03 | 0.22 |
| 88 | 22:00 | 0.2 | 0.02 | 0.15 | 0.02 | 0.00 | 0.02 | 0.22 |
| 89 | 22:15 | 0.3 | 0.03 | 0.15 | 0.03 | 0.00 | 0.03 | 0.22 |
| 90 | 22:30 | 0.2 | 0.02 | 0.15 | 0.02 | 0.00 | 0.02 | 0.22 |
| 91 | 22:45 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.02 | 0.22 |
| 92 | 23:00 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.02 | 0.22 |
| 93 | 23:15 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.02 | 0.22 |
| 94 | 23:30 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.02 | 0.22 |
| 95 | 23:45 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.02 | 0.22 |
| 96 | 0:00 | 0.2 | 0.02 | 0.14 | 0.02 | 0.00 | 0.02 | 0.22 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 2.2 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |
| Fm | (in/hr) | 0.24 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.85 | 0.02 | 0.00 | 0.02 | 0.00 |
| 2 | 0:30 | 0.3 | 0.03 | 0.84 | 0.02 | 0.00 | 0.02 | 0.00 |
| 3 | 0:45 | 0.3 | 0.03 | 0.83 | 0.02 | 0.00 | 0.02 | 0.00 |
| 4 | 1:00 | 0.4 | 0.04 | 0.82 | 0.03 | 0.00 | 0.03 | 0.00 |
| 5 | 1:15 | 0.3 | 0.03 | 0.81 | 0.02 | 0.00 | 0.02 | 0.00 |
| 6 | 1:30 | 0.3 | 0.03 | 0.80 | 0.02 | 0.00 | 0.02 | 0.00 |
| 7 | 1:45 | 0.3 | 0.03 | 0.79 | 0.02 | 0.00 | 0.02 | 0.00 |
| 8 | 2:00 | 0.4 | 0.04 | 0.78 | 0.03 | 0.00 | 0.03 | 0.00 |
| 9 | 2:15 | 0.4 | 0.04 | 0.77 | 0.03 | 0.00 | 0.03 | 0.00 |
| 10 | 2:30 | 0.4 | 0.04 | 0.76 | 0.03 | 0.00 | 0.03 | 0.00 |
| 11 | 2:45 | 0.5 | 0.04 | 0.75 | 0.04 | 0.00 | 0.04 | 0.01 |
| 12 | 3:00 | 0.5 | 0.04 | 0.74 | 0.04 | 0.00 | 0.04 | 0.01 |
| 13 | 3:15 | 0.5 | 0.04 | 0.73 | 0.04 | 0.00 | 0.04 | 0.01 |
| 14 | 3:30 | 0.5 | 0.04 | 0.72 | 0.04 | 0.00 | 0.04 | 0.01 |
| 15 | 3:45 | 0.5 | 0.04 | 0.72 | 0.04 | 0.00 | 0.04 | 0.01 |
| 16 | 4:00 | 0.6 | 0.05 | 0.71 | 0.05 | 0.01 | 0.05 | 0.01 |
| 17 | 4:15 | 0.6 | 0.05 | 0.70 | 0.05 | 0.01 | 0.05 | 0.01 |
| 18 | 4:30 | 0.7 | 0.06 | 0.69 | 0.06 | 0.01 | 0.05 | 0.01 |
| 19 | 4:45 | 0.7 | 0.06 | 0.68 | 0.06 | 0.01 | 0.05 | 0.01 |
| 20 | 5:00 | 0.8 | 0.07 | 0.67 | 0.06 | 0.01 | 0.06 | 0.01 |
| 21 | 5:15 | 0.6 | 0.05 | 0.66 | 0.05 | 0.01 | 0.05 | 0.01 |
| 22 | 5:30 | 0.7 | 0.06 | 0.65 | 0.06 | 0.01 | 0.05 | 0.02 |
| 23 | 5:45 | 0.8 | 0.07 | 0.64 | 0.06 | 0.01 | 0.06 | 0.02 |
| 24 | 6:00 | 0.8 | 0.07 | 0.64 | 0.06 | 0.01 | 0.06 | 0.02 |
| 25 | 6:15 | 0.9 | 0.08 | 0.63 | 0.07 | 0.01 | 0.07 | 0.02 |
| 26 | 6:30 | 0.9 | 0.08 | 0.62 | 0.07 | 0.01 | 0.07 | 0.02 |
| 27 | 6:45 | 1.0 | 0.09 | 0.61 | 0.08 | 0.01 | 0.08 | 0.02 |
| 28 | 7:00 | 1.0 | 0.09 | 0.60 | 0.08 | 0.01 | 0.08 | 0.02 |
| 29 | 7:15 | 1.0 | 0.09 | 0.59 | 0.08 | 0.01 | 0.08 | 0.03 |
| 30 | 7:30 | 1.1 | 0.10 | 0.59 | 0.09 | 0.01 | 0.08 | 0.03 |
| 31 | 7:45 | 1.2 | 0.11 | 0.58 | 0.10 | 0.01 | 0.09 | 0.03 |
| 32 | 8:00 | 1.3 | 0.11 | 0.57 | 0.10 | 0.01 | 0.10 | 0.03 |
| 33 | 8:15 | 1.5 | 0.13 | 0.56 | 0.12 | 0.01 | 0.11 | 0.03 |
| 34 | 8:30 | 1.5 | 0.13 | 0.55 | 0.12 | 0.01 | 0.11 | 0.04 |
| 35 | 8:45 | 1.6 | 0.14 | 0.55 | 0.13 | 0.01 | 0.12 | 0.04 |
| 36 | 9:00 | 1.7 | 0.15 | 0.54 | 0.13 | 0.01 | 0.13 | 0.04 |
| 37 | 9:15 | 1.9 | 0.17 | 0.53 | 0.15 | 0.02 | 0.14 | 0.04 |
| 38 | 9:30 | 2.0 | 0.18 | 0.52 | 0.16 | 0.02 | 0.15 | 0.05 |
| 39 | 9:45 | 2.1 | 0.18 | 0.52 | 0.17 | 0.02 | 0.16 | 0.05 |
| 40 | 10:00 | 2.2 | 0.19 | 0.51 | 0.17 | 0.02 | 0.17 | 0.05 |
| 41 | 10:15 | 1.5 | 0.13 | 0.50 | 0.12 | 0.01 | 0.11 | 0.06 |
| 42 | 10:30 | 1.5 | 0.13 | 0.49 | 0.12 | 0.01 | 0.11 | 0.06 |
| 43 | 10:45 | 2.0 | 0.18 | 0.49 | 0.16 | 0.02 | 0.15 | 0.06 |
| 44 | 11:00 | 2.0 | 0.18 | 0.48 | 0.16 | 0.02 | 0.15 | 0.06 |
| 45 | 11:15 | 1.9 | 0.17 | 0.47 | 0.15 | 0.02 | 0.14 | 0.07 |
| 46 | 11:30 | 1.9 | 0.17 | 0.47 | 0.15 | 0.02 | 0.14 | 0.07 |
| 47 | 11:45 | 1.7 | 0.15 | 0.46 | 0.13 | 0.01 | 0.13 | 0.07 |
| 48 | 12:00 | 1.8 | 0.16 | 0.45 | 0.14 | 0.02 | 0.14 | 0.08 |
| 49 | 12:15 | 2.5 | 0.22 | 0.45 | 0.20 | 0.02 | 0.19 | 0.08 |
| 50 | 12:30 | 2.6 | 0.23 | 0.44 | 0.21 | 0.02 | 0.20 | 0.08 |
| 51 | 12:45 | 2.8 | 0.25 | 0.43 | 0.22 | 0.02 | 0.21 | 0.09 |
| 52 | 13:00 | 2.9 | 0.26 | 0.43 | 0.23 | 0.03 | 0.22 | 0.09 |
| 53 | 13:15 | 3.4 | 0.30 | 0.42 | 0.27 | 0.03 | 0.26 | 0.10 |
| 54 | 13:30 | 3.4 | 0.30 | 0.41 | 0.27 | 0.03 | 0.26 | 0.10 |
| 55 | 13:45 | 2.3 | 0.20 | 0.41 | 0.18 | 0.02 | 0.18 | 0.11 |
| 56 | 14:00 | 2.3 | 0.20 | 0.40 | 0.18 | 0.02 | 0.18 | 0.11 |
| 57 | 14:15 | 2.7 | 0.24 | 0.39 | 0.21 | 0.02 | 0.21 | 0.11 |
| 58 | 14:30 | 2.6 | 0.23 | 0.39 | 0.21 | 0.02 | 0.20 | 0.12 |
| 59 | 14:45 | 2.6 | 0.23 | 0.38 | 0.21 | 0.02 | 0.20 | 0.12 |
| 60 | 15:00 | 2.5 | 0.22 | 0.38 | 0.20 | 0.02 | 0.19 | 0.13 |
| 61 | 15:15 | 2.4 | 0.21 | 0.37 | 0.19 | 0.02 | 0.18 | 0.13 |
| 62 | 15:30 | 2.3 | 0.20 | 0.37 | 0.18 | 0.02 | 0.18 | 0.13 |
| 63 | 15:45 | 1.9 | 0.17 | 0.36 | 0.15 | 0.02 | 0.14 | 0.14 |
| 64 | 16:00 | 1.9 | 0.17 | 0.35 | 0.15 | 0.02 | 0.14 | 0.14 |
| 65 | 16:15 | 0.4 | 0.04 | 0.35 | 0.03 | 0.00 | 0.03 | 0.14 |
| 66 | 16:30 | 0.4 | 0.04 | 0.34 | 0.03 | 0.00 | 0.03 | 0.14 |
| 67 | 16:45 | 0.3 | 0.03 | 0.34 | 0.02 | 0.00 | 0.02 | 0.14 |
| 68 | 17:00 | 0.3 | 0.03 | 0.33 | 0.02 | 0.00 | 0.02 | 0.14 |
| 69 | 17:15 | 0.5 | 0.04 | 0.33 | 0.04 | 0.00 | 0.04 | 0.14 |
| 70 | 17:30 | 0.5 | 0.04 | 0.32 | 0.04 | 0.00 | 0.04 | 0.15 |
| 71 | 17:45 | 0.5 | 0.04 | 0.32 | 0.04 | 0.00 | 0.04 | 0.15 |
| 72 | 18:00 | 0.4 | 0.04 | 0.31 | 0.03 | 0.00 | 0.03 | 0.15 |
| 73 | 18:15 | 0.4 | 0.04 | 0.31 | 0.03 | 0.00 | 0.03 | 0.15 |
| 74 | 18:30 | 0.4 | 0.04 | 0.30 | 0.03 | 0.00 | 0.03 | 0.15 |
| 75 | 18:45 | 0.3 | 0.03 | 0.30 | 0.02 | 0.00 | 0.02 | 0.15 |
| 76 | 19:00 | 0.2 | 0.02 | 0.30 | 0.02 | 0.00 | 0.02 | 0.15 |
| 77 | 19:15 | 0.3 | 0.03 | 0.29 | 0.02 | 0.00 | 0.02 | 0.15 |
| 78 | 19:30 | 0.4 | 0.04 | 0.29 | 0.03 | 0.00 | 0.03 | 0.15 |
| 79 | 19:45 | 0.3 | 0.03 | 0.28 | 0.02 | 0.00 | 0.02 | 0.15 |
| 80 | 20:00 | 0.2 | 0.02 | 0.28 | 0.02 | 0.00 | 0.02 | 0.15 |
| 81 | 20:15 | 0.3 | 0.03 | 0.28 | 0.02 | 0.00 | 0.02 | 0.15 |
| 82 | 20:30 | 0.3 | 0.03 | 0.27 | 0.02 | 0.00 | 0.02 | 0.15 |
| 83 | 20:45 | 0.3 | 0.03 | 0.27 | 0.02 | 0.00 | 0.02 | 0.15 |
| 84 | 21:00 | 0.2 | 0.02 | 0.27 | 0.02 | 0.00 | 0.02 | 0.15 |
| 85 | 21:15 | 0.3 | 0.03 | 0.26 | 0.02 | 0.00 | 0.02 | 0.15 |
| 86 | 21:30 | 0.2 | 0.02 | 0.26 | 0.02 | 0.00 | 0.02 | 0.15 |
| 87 | 21:45 | 0.3 | 0.03 | 0.26 | 0.02 | 0.00 | 0.02 | 0.15 |
| 88 | 22:00 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.02 | 0.15 |
| 89 | 22:15 | 0.3 | 0.03 | 0.25 | 0.02 | 0.00 | 0.02 | 0.15 |
| 90 | 22:30 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.02 | 0.16 |
| 91 | 22:45 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.02 | 0.16 |
| 92 | 23:00 | 0.2 | 0.02 | 0.25 | 0.02 | 0.00 | 0.02 | 0.16 |
| 93 | 23:15 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.02 | 0.16 |
| 94 | 23:30 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.02 | 0.16 |
| 95 | 23:45 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.02 | 0.16 |
| 96 | 0:00 | 0.2 | 0.02 | 0.24 | 0.02 | 0.00 | 0.02 | 0.16 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.6 |
| AMC | | 1 |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |
| Fm | (in/hr) | 0.24 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FF Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.86 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.01 | 0.85 | 0.01 | 0.00 | 0.01 | 0.00 |
| 2 | 0:30 | 0.3 | 0.02 | 0.84 | 0.02 | 0.00 | 0.02 | 0.00 |
| 3 | 0:45 | 0.3 | 0.02 | 0.83 | 0.02 | 0.00 | 0.02 | 0.00 |
| 4 | 1:00 | 0.4 | 0.03 | 0.82 | 0.02 | 0.00 | 0.02 | 0.00 |
| 5 | 1:15 | 0.3 | 0.02 | 0.81 | 0.02 | 0.00 | 0.02 | 0.00 |
| 6 | 1:30 | 0.3 | 0.02 | 0.80 | 0.02 | 0.00 | 0.02 | 0.00 |
| 7 | 1:45 | 0.3 | 0.02 | 0.79 | 0.02 | 0.00 | 0.02 | 0.00 |
| 8 | 2:00 | 0.4 | 0.03 | 0.78 | 0.02 | 0.00 | 0.02 | 0.00 |
| 9 | 2:15 | 0.4 | 0.03 | 0.77 | 0.02 | 0.00 | 0.02 | 0.00 |
| 10 | 2:30 | 0.4 | 0.03 | 0.76 | 0.02 | 0.00 | 0.02 | 0.00 |
| 11 | 2:45 | 0.5 | 0.03 | 0.75 | 0.03 | 0.00 | 0.03 | 0.00 |
| 12 | 3:00 | 0.5 | 0.03 | 0.74 | 0.03 | 0.00 | 0.03 | 0.00 |
| 13 | 3:15 | 0.5 | 0.03 | 0.73 | 0.03 | 0.00 | 0.03 | 0.01 |
| 14 | 3:30 | 0.5 | 0.03 | 0.72 | 0.03 | 0.00 | 0.03 | 0.01 |
| 15 | 3:45 | 0.5 | 0.03 | 0.72 | 0.03 | 0.00 | 0.03 | 0.01 |
| 16 | 4:00 | 0.6 | 0.04 | 0.71 | 0.03 | 0.00 | 0.03 | 0.01 |
| 17 | 4:15 | 0.6 | 0.04 | 0.70 | 0.03 | 0.00 | 0.03 | 0.01 |
| 18 | 4:30 | 0.7 | 0.04 | 0.69 | 0.04 | 0.00 | 0.04 | 0.01 |
| 19 | 4:45 | 0.7 | 0.04 | 0.68 | 0.04 | 0.00 | 0.04 | 0.01 |
| 20 | 5:00 | 0.8 | 0.05 | 0.67 | 0.05 | 0.01 | 0.04 | 0.01 |
| 21 | 5:15 | 0.6 | 0.04 | 0.66 | 0.03 | 0.00 | 0.03 | 0.01 |
| 22 | 5:30 | 0.7 | 0.04 | 0.65 | 0.04 | 0.00 | 0.04 | 0.01 |
| 23 | 5:45 | 0.8 | 0.05 | 0.64 | 0.05 | 0.01 | 0.04 | 0.01 |
| 24 | 6:00 | 0.8 | 0.05 | 0.64 | 0.05 | 0.01 | 0.04 | 0.01 |
| 25 | 6:15 | 0.9 | 0.06 | 0.63 | 0.05 | 0.01 | 0.05 | 0.01 |
| 26 | 6:30 | 0.9 | 0.06 | 0.62 | 0.05 | 0.01 | 0.05 | 0.02 |
| 27 | 6:45 | 1.0 | 0.06 | 0.61 | 0.06 | 0.01 | 0.06 | 0.02 |
| 28 | 7:00 | 1.0 | 0.06 | 0.60 | 0.06 | 0.01 | 0.06 | 0.02 |
| 29 | 7:15 | 1.0 | 0.06 | 0.59 | 0.06 | 0.01 | 0.06 | 0.02 |
| 30 | 7:30 | 1.1 | 0.07 | 0.59 | 0.06 | 0.01 | 0.06 | 0.02 |
| 31 | 7:45 | 1.2 | 0.08 | 0.58 | 0.07 | 0.01 | 0.07 | 0.02 |
| 32 | 8:00 | 1.3 | 0.08 | 0.57 | 0.07 | 0.01 | 0.07 | 0.02 |
| 33 | 8:15 | 1.5 | 0.10 | 0.56 | 0.09 | 0.01 | 0.08 | 0.02 |
| 34 | 8:30 | 1.5 | 0.10 | 0.55 | 0.09 | 0.01 | 0.08 | 0.03 |
| 35 | 8:45 | 1.6 | 0.10 | 0.55 | 0.09 | 0.01 | 0.09 | 0.03 |
| 36 | 9:00 | 1.7 | 0.11 | 0.54 | 0.10 | 0.01 | 0.09 | 0.03 |
| 37 | 9:15 | 1.9 | 0.12 | 0.53 | 0.11 | 0.01 | 0.11 | 0.03 |
| 38 | 9:30 | 2.0 | 0.13 | 0.52 | 0.12 | 0.01 | 0.11 | 0.03 |
| 39 | 9:45 | 2.1 | 0.13 | 0.52 | 0.12 | 0.01 | 0.12 | 0.04 |
| 40 | 10:00 | 2.2 | 0.14 | 0.51 | 0.13 | 0.01 | 0.12 | 0.04 |
| 41 | 10:15 | 1.5 | 0.10 | 0.50 | 0.09 | 0.01 | 0.08 | 0.04 |
| 42 | 10:30 | 1.5 | 0.10 | 0.49 | 0.09 | 0.01 | 0.08 | 0.04 |
| 43 | 10:45 | 2.0 | 0.13 | 0.49 | 0.12 | 0.01 | 0.11 | 0.04 |
| 44 | 11:00 | 2.0 | 0.13 | 0.48 | 0.12 | 0.01 | 0.11 | 0.05 |
| 45 | 11:15 | 1.9 | 0.12 | 0.47 | 0.11 | 0.01 | 0.11 | 0.05 |
| 46 | 11:30 | 1.9 | 0.12 | 0.47 | 0.11 | 0.01 | 0.11 | 0.05 |
| 47 | 11:45 | 1.7 | 0.11 | 0.46 | 0.10 | 0.01 | 0.09 | 0.05 |
| 48 | 12:00 | 1.8 | 0.12 | 0.45 | 0.10 | 0.01 | 0.10 | 0.06 |
| 49 | 12:15 | 2.5 | 0.16 | 0.45 | 0.14 | 0.02 | 0.14 | 0.06 |
| 50 | 12:30 | 2.6 | 0.17 | 0.44 | 0.15 | 0.02 | 0.14 | 0.06 |
| 51 | 12:45 | 2.8 | 0.18 | 0.43 | 0.16 | 0.02 | 0.16 | 0.06 |
| 52 | 13:00 | 2.9 | 0.19 | 0.43 | 0.17 | 0.02 | 0.16 | 0.07 |
| 53 | 13:15 | 3.4 | 0.22 | 0.42 | 0.20 | 0.02 | 0.19 | 0.07 |
| 54 | 13:30 | 3.4 | 0.22 | 0.41 | 0.20 | 0.02 | 0.19 | 0.07 |
| 55 | 13:45 | 2.3 | 0.15 | 0.41 | 0.13 | 0.01 | 0.13 | 0.08 |
| 56 | 14:00 | 2.3 | 0.15 | 0.40 | 0.13 | 0.01 | 0.13 | 0.08 |
| 57 | 14:15 | 2.7 | 0.17 | 0.39 | 0.16 | 0.02 | 0.15 | 0.08 |
| 58 | 14:30 | 2.6 | 0.17 | 0.39 | 0.15 | 0.02 | 0.14 | 0.09 |
| 59 | 14:45 | 2.6 | 0.17 | 0.38 | 0.15 | 0.02 | 0.14 | 0.09 |
| 60 | 15:00 | 2.5 | 0.16 | 0.38 | 0.14 | 0.02 | 0.14 | 0.09 |
| 61 | 15:15 | 2.4 | 0.15 | 0.37 | 0.14 | 0.02 | 0.13 | 0.10 |
| 62 | 15:30 | 2.3 | 0.15 | 0.37 | 0.13 | 0.01 | 0.13 | 0.10 |
| 63 | 15:45 | 1.9 | 0.12 | 0.36 | 0.11 | 0.01 | 0.11 | 0.10 |
| 64 | 16:00 | 1.9 | 0.12 | 0.35 | 0.11 | 0.01 | 0.11 | 0.10 |
| 65 | 16:15 | 0.4 | 0.03 | 0.35 | 0.02 | 0.00 | 0.02 | 0.10 |
| 66 | 16:30 | 0.4 | 0.03 | 0.34 | 0.02 | 0.00 | 0.02 | 0.10 |
| 67 | 16:45 | 0.3 | 0.02 | 0.34 | 0.02 | 0.00 | 0.02 | 0.10 |
| 68 | 17:00 | 0.3 | 0.02 | 0.33 | 0.02 | 0.00 | 0.02 | 0.10 |
| 69 | 17:15 | 0.5 | 0.03 | 0.33 | 0.03 | 0.00 | 0.03 | 0.11 |
| 70 | 17:30 | 0.5 | 0.03 | 0.32 | 0.03 | 0.00 | 0.03 | 0.11 |
| 71 | 17:45 | 0.5 | 0.03 | 0.32 | 0.03 | 0.00 | 0.03 | 0.11 |
| 72 | 18:00 | 0.4 | 0.03 | 0.31 | 0.02 | 0.00 | 0.02 | 0.11 |
| 73 | 18:15 | 0.4 | 0.03 | 0.31 | 0.02 | 0.00 | 0.02 | 0.11 |
| 74 | 18:30 | 0.4 | 0.03 | 0.30 | 0.02 | 0.00 | 0.02 | 0.11 |
| 75 | 18:45 | 0.3 | 0.02 | 0.30 | 0.02 | 0.00 | 0.02 | 0.11 |
| 76 | 19:00 | 0.2 | 0.01 | 0.30 | 0.01 | 0.00 | 0.01 | 0.11 |
| 77 | 19:15 | 0.3 | 0.02 | 0.29 | 0.02 | 0.00 | 0.02 | 0.11 |
| 78 | 19:30 | 0.4 | 0.03 | 0.29 | 0.02 | 0.00 | 0.02 | 0.11 |
| 79 | 19:45 | 0.3 | 0.02 | 0.28 | 0.02 | 0.00 | 0.02 | 0.11 |
| 80 | 20:00 | 0.2 | 0.01 | 0.28 | 0.01 | 0.00 | 0.01 | 0.11 |
| 81 | 20:15 | 0.3 | 0.02 | 0.28 | 0.02 | 0.00 | 0.02 | 0.11 |
| 82 | 20:30 | 0.3 | 0.02 | 0.27 | 0.02 | 0.00 | 0.02 | 0.11 |
| 83 | 20:45 | 0.3 | 0.02 | 0.27 | 0.02 | 0.00 | 0.02 | 0.11 |
| 84 | 21:00 | 0.2 | 0.01 | 0.27 | 0.01 | 0.00 | 0.01 | 0.11 |
| 85 | 21:15 | 0.3 | 0.02 | 0.26 | 0.02 | 0.00 | 0.02 | 0.11 |
| 86 | 21:30 | 0.2 | 0.01 | 0.26 | 0.01 | 0.00 | 0.01 | 0.11 |
| 87 | 21:45 | 0.3 | 0.02 | 0.26 | 0.02 | 0.00 | 0.02 | 0.11 |
| 88 | 22:00 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.01 | 0.11 |
| 89 | 22:15 | 0.3 | 0.02 | 0.25 | 0.02 | 0.00 | 0.02 | 0.11 |
| 90 | 22:30 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.01 | 0.11 |
| 91 | 22:45 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.01 | 0.11 |
| 92 | 23:00 | 0.2 | 0.01 | 0.25 | 0.01 | 0.00 | 0.01 | 0.11 |
| 93 | 23:15 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.01 | 0.11 |
| 94 | 23:30 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.01 | 0.11 |
| 95 | 23:45 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.01 | 0.11 |
| 96 | 0:00 | 0.2 | 0.01 | 0.24 | 0.01 | 0.00 | 0.01 | 0.11 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 2.5 |
| AMC | | III |
| RI | | 77.0 |
| Fp | (in/hr) | 0.14 |
| At | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.14 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.15 | 0.14 | 0.14 | 0.01 | 0.09 | 0.00 |
| 2 | 0:10 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.35 | 0.00 |
| 3 | 0:15 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.35 | 0.00 |
| 4 | 0:20 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.35 | 0.01 |
| 5 | 0:25 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.35 | 0.01 |
| 6 | 0:30 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.61 | 0.01 |
| 7 | 0:35 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.61 | 0.02 |
| 8 | 0:40 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.61 | 0.02 |
| 9 | 0:45 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.61 | 0.02 |
| 10 | 0:50 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.61 | 0.03 |
| 11 | 0:55 | 0.7 | 0.21 | 0.14 | 0.19 | 0.07 | 0.61 | 0.03 |
| 12 | 1:00 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.87 | 0.04 |
| 13 | 1:05 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.87 | 0.04 |
| 14 | 1:10 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.87 | 0.05 |
| 15 | 1:15 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.87 | 0.06 |
| 16 | 1:20 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.87 | 0.06 |
| 17 | 1:25 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.87 | 0.07 |
| 18 | 1:30 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.87 | 0.07 |
| 19 | 1:35 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.87 | 0.08 |
| 20 | 1:40 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.87 | 0.09 |
| 21 | 1:45 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.87 | 0.09 |
| 22 | 1:50 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.87 | 0.10 |
| 23 | 1:55 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.87 | 0.10 |
| 24 | 2:00 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 1.12 | 0.11 |
| 25 | 2:05 | 0.8 | 0.24 | 0.14 | 0.22 | 0.10 | 0.87 | 0.12 |
| 26 | 2:10 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 1.12 | 0.12 |
| 27 | 2:15 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 1.12 | 0.13 |
| 28 | 2:20 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 1.12 | 0.14 |
| 29 | 2:25 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 1.12 | 0.15 |
| 30 | 2:30 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 1.12 | 0.16 |
| 31 | 2:35 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 1.12 | 0.16 |
| 32 | 2:40 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 1.12 | 0.17 |
| 33 | 2:45 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.38 | 0.18 |
| 34 | 2:50 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.38 | 0.19 |
| 35 | 2:55 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.38 | 0.20 |
| 36 | 3:00 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.38 | 0.21 |
| 37 | 3:05 | 1.0 | 0.30 | 0.14 | 0.27 | 0.16 | 1.38 | 0.22 |
| 38 | 3:10 | 1.1 | 0.33 | 0.14 | 0.30 | 0.19 | 1.64 | 0.23 |
| 39 | 3:15 | 1.1 | 0.33 | 0.14 | 0.30 | 0.19 | 1.64 | 0.24 |
| 40 | 3:20 | 1.1 | 0.33 | 0.14 | 0.30 | 0.19 | 1.64 | 0.25 |
| 41 | 3:25 | 1.2 | 0.36 | 0.14 | 0.32 | 0.22 | 1.90 | 0.26 |
| 42 | 3:30 | 1.3 | 0.39 | 0.14 | 0.35 | 0.25 | 2.16 | 0.28 |
| 43 | 3:35 | 1.4 | 0.42 | 0.14 | 0.38 | 0.28 | 2.42 | 0.29 |
| 44 | 3:40 | 1.4 | 0.42 | 0.14 | 0.38 | 0.28 | 2.42 | 0.31 |
| 45 | 3:45 | 1.5 | 0.45 | 0.14 | 0.41 | 0.31 | 2.68 | 0.33 |
| 46 | 3:50 | 1.5 | 0.45 | 0.14 | 0.41 | 0.31 | 2.68 | 0.35 |
| 47 | 3:55 | 1.6 | 0.48 | 0.14 | 0.43 | 0.34 | 2.94 | 0.36 |
| 48 | 4:00 | 1.6 | 0.48 | 0.14 | 0.43 | 0.34 | 2.94 | 0.38 |
| 49 | 4:05 | 1.7 | 0.51 | 0.14 | 0.46 | 0.37 | 3.20 | 0.41 |
| 50 | 4:10 | 1.8 | 0.54 | 0.14 | 0.49 | 0.40 | 3.46 | 0.43 |
| 51 | 4:15 | 1.9 | 0.57 | 0.14 | 0.51 | 0.43 | 3.72 | 0.45 |
| 52 | 4:20 | 2.0 | 0.60 | 0.14 | 0.54 | 0.46 | 3.98 | 0.48 |
| 53 | 4:25 | 2.1 | 0.63 | 0.14 | 0.57 | 0.49 | 4.24 | 0.51 |
| 54 | 4:30 | 2.1 | 0.63 | 0.14 | 0.57 | 0.49 | 4.24 | 0.54 |
| 55 | 4:35 | 2.2 | 0.66 | 0.14 | 0.59 | 0.52 | 4.50 | 0.57 |
| 56 | 4:40 | 2.3 | 0.69 | 0.14 | 0.62 | 0.55 | 4.76 | 0.60 |
| 57 | 4:45 | 2.4 | 0.72 | 0.14 | 0.65 | 0.58 | 5.02 | 0.63 |
| 58 | 4:50 | 2.4 | 0.72 | 0.14 | 0.65 | 0.58 | 5.02 | 0.67 |
| 59 | 4:55 | 2.5 | 0.75 | 0.14 | 0.68 | 0.61 | 5.28 | 0.70 |
| 60 | 5:00 | 2.6 | 0.78 | 0.14 | 0.70 | 0.64 | 5.54 | 0.74 |
| 61 | 5:05 | 3.1 | 0.93 | 0.14 | 0.84 | 0.79 | 6.83 | 0.78 |
| 62 | 5:10 | 3.6 | 1.08 | 0.14 | 0.97 | 0.94 | 8.13 | 0.83 |
| 63 | 5:15 | 3.9 | 1.17 | 0.14 | 1.05 | 1.03 | 8.91 | 0.89 |
| 64 | 5:20 | 4.2 | 1.26 | 0.14 | 1.13 | 1.12 | 9.69 | 0.96 |
| 65 | 5:25 | 4.7 | 1.41 | 0.14 | 1.27 | 1.27 | 10.99 | 1.03 |
| 66 | 5:30 | 5.6 | 1.68 | 0.14 | 1.51 | 1.54 | 13.32 | 1.11 |
| 67 | 5:35 | 1.9 | 0.57 | 0.14 | 0.51 | 0.43 | 3.72 | 1.17 |
| 68 | 5:40 | 0.9 | 0.27 | 0.14 | 0.24 | 0.13 | 1.12 | 1.19 |
| 69 | 5:45 | 0.6 | 0.18 | 0.14 | 0.16 | 0.04 | 0.35 | 1.19 |
| 70 | 5:50 | 0.5 | 0.15 | 0.14 | 0.14 | 0.01 | 0.09 | 1.19 |
| 71 | 5:55 | 0.3 | 0.09 | 0.14 | 0.08 | 0.01 | 0.08 | 1.19 |
| 72 | 6:00 | 0.2 | 0.06 | 0.14 | 0.05 | 0.01 | 0.05 | 1.20 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.7 |
| AMC | | II |
| RI | | 77.0 |
| Fp | (in/hr) | 0.28 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.28 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.10 | 0.28 | 0.09 | 0.01 | 0.09 | 0.00 |
| 2 | 0:10 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.11 | 0.00 |
| 3 | 0:15 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.11 | 0.00 |
| 4 | 0:20 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.11 | 0.00 |
| 5 | 0:25 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.11 | 0.00 |
| 6 | 0:30 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.12 | 0.00 |
| 7 | 0:35 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.12 | 0.00 |
| 8 | 0:40 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.12 | 0.01 |
| 9 | 0:45 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.12 | 0.01 |
| 10 | 0:50 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.12 | 0.01 |
| 11 | 0:55 | 0.7 | 0.14 | 0.28 | 0.13 | 0.01 | 0.12 | 0.01 |
| 12 | 1:00 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.14 | 0.01 |
| 13 | 1:05 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.14 | 0.01 |
| 14 | 1:10 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.14 | 0.01 |
| 15 | 1:15 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.14 | 0.01 |
| 16 | 1:20 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.14 | 0.01 |
| 17 | 1:25 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.14 | 0.01 |
| 18 | 1:30 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.14 | 0.01 |
| 19 | 1:35 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.14 | 0.02 |
| 20 | 1:40 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.14 | 0.02 |
| 21 | 1:45 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.14 | 0.02 |
| 22 | 1:50 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.14 | 0.02 |
| 23 | 1:55 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.14 | 0.02 |
| 24 | 2:00 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.16 | 0.02 |
| 25 | 2:05 | 0.8 | 0.16 | 0.28 | 0.15 | 0.02 | 0.14 | 0.02 |
| 26 | 2:10 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.16 | 0.02 |
| 27 | 2:15 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.16 | 0.02 |
| 28 | 2:20 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.16 | 0.03 |
| 29 | 2:25 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.16 | 0.03 |
| 30 | 2:30 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.16 | 0.03 |
| 31 | 2:35 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.16 | 0.03 |
| 32 | 2:40 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.16 | 0.03 |
| 33 | 2:45 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.18 | 0.03 |
| 34 | 2:50 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.18 | 0.03 |
| 35 | 2:55 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.18 | 0.03 |
| 36 | 3:00 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.18 | 0.03 |
| 37 | 3:05 | 1.0 | 0.20 | 0.28 | 0.18 | 0.02 | 0.18 | 0.04 |
| 38 | 3:10 | 1.1 | 0.22 | 0.28 | 0.20 | 0.02 | 0.19 | 0.04 |
| 39 | 3:15 | 1.1 | 0.22 | 0.28 | 0.20 | 0.02 | 0.19 | 0.04 |
| 40 | 3:20 | 1.1 | 0.22 | 0.28 | 0.20 | 0.02 | 0.19 | 0.04 |
| 41 | 3:25 | 1.2 | 0.24 | 0.28 | 0.22 | 0.02 | 0.21 | 0.04 |
| 42 | 3:30 | 1.3 | 0.27 | 0.28 | 0.24 | 0.03 | 0.23 | 0.04 |
| 43 | 3:35 | 1.4 | 0.29 | 0.28 | 0.26 | 0.01 | 0.05 | 0.04 |
| 44 | 3:40 | 1.4 | 0.29 | 0.28 | 0.26 | 0.01 | 0.05 | 0.04 |
| 45 | 3:45 | 1.5 | 0.31 | 0.28 | 0.28 | 0.03 | 0.22 | 0.04 |
| 46 | 3:50 | 1.5 | 0.31 | 0.28 | 0.28 | 0.03 | 0.22 | 0.05 |
| 47 | 3:55 | 1.6 | 0.33 | 0.28 | 0.29 | 0.05 | 0.40 | 0.05 |
| 48 | 4:00 | 1.6 | 0.33 | 0.28 | 0.29 | 0.05 | 0.40 | 0.05 |
| 49 | 4:05 | 1.7 | 0.35 | 0.28 | 0.31 | 0.07 | 0.58 | 0.05 |
| 50 | 4:10 | 1.8 | 0.37 | 0.28 | 0.33 | 0.09 | 0.75 | 0.06 |
| 51 | 4:15 | 1.9 | 0.39 | 0.28 | 0.35 | 0.11 | 0.93 | 0.06 |
| 52 | 4:20 | 2.0 | 0.41 | 0.28 | 0.37 | 0.13 | 1.11 | 0.07 |
| 53 | 4:25 | 2.1 | 0.43 | 0.28 | 0.39 | 0.15 | 1.28 | 0.08 |
| 54 | 4:30 | 2.1 | 0.43 | 0.28 | 0.39 | 0.15 | 1.28 | 0.09 |
| 55 | 4:35 | 2.2 | 0.45 | 0.28 | 0.40 | 0.17 | 1.46 | 0.10 |
| 56 | 4:40 | 2.3 | 0.47 | 0.28 | 0.42 | 0.19 | 1.64 | 0.11 |
| 57 | 4:45 | 2.4 | 0.49 | 0.28 | 0.44 | 0.21 | 1.81 | 0.12 |
| 58 | 4:50 | 2.4 | 0.49 | 0.28 | 0.44 | 0.21 | 1.81 | 0.13 |
| 59 | 4:55 | 2.5 | 0.51 | 0.28 | 0.46 | 0.23 | 1.99 | 0.15 |
| 60 | 5:00 | 2.6 | 0.53 | 0.28 | 0.48 | 0.25 | 2.17 | 0.16 |
| 61 | 5:05 | 3.1 | 0.63 | 0.28 | 0.57 | 0.35 | 3.05 | 0.18 |
| 62 | 5:10 | 3.6 | 0.73 | 0.28 | 0.66 | 0.45 | 3.93 | 0.20 |
| 63 | 5:15 | 3.9 | 0.80 | 0.28 | 0.72 | 0.52 | 4.46 | 0.23 |
| 64 | 5:20 | 4.2 | 0.86 | 0.28 | 0.77 | 0.58 | 4.99 | 0.26 |
| 65 | 5:25 | 4.7 | 0.96 | 0.28 | 0.86 | 0.68 | 5.87 | 0.30 |
| 66 | 5:30 | 5.6 | 1.14 | 0.28 | 1.03 | 0.86 | 7.46 | 0.35 |
| 67 | 5:35 | 1.9 | 0.39 | 0.28 | 0.35 | 0.11 | 0.93 | 0.38 |
| 68 | 5:40 | 0.9 | 0.18 | 0.28 | 0.17 | 0.02 | 0.16 | 0.38 |
| 69 | 5:45 | 0.6 | 0.12 | 0.28 | 0.11 | 0.01 | 0.11 | 0.38 |
| 70 | 5:50 | 0.5 | 0.10 | 0.28 | 0.09 | 0.01 | 0.09 | 0.38 |
| 71 | 5:55 | 0.3 | 0.06 | 0.28 | 0.06 | 0.01 | 0.05 | 0.38 |
| 72 | 6:00 | 0.2 | 0.04 | 0.28 | 0.04 | 0.00 | 0.04 | 0.38 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.4 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.08 | 0.48 | 0.08 | 0.01 | 0.07 | 0.00 |
| 2 | 0:10 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.09 | 0.00 |
| 3 | 0:15 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.09 | 0.00 |
| 4 | 0:20 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.09 | 0.00 |
| 5 | 0:25 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.09 | 0.00 |
| 6 | 0:30 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.10 | 0.00 |
| 7 | 0:35 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.10 | 0.00 |
| 8 | 0:40 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.10 | 0.00 |
| 9 | 0:45 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.10 | 0.01 |
| 10 | 0:50 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.10 | 0.01 |
| 11 | 0:55 | 0.7 | 0.12 | 0.48 | 0.11 | 0.01 | 0.10 | 0.01 |
| 12 | 1:00 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.12 | 0.01 |
| 13 | 1:05 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.12 | 0.01 |
| 14 | 1:10 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.12 | 0.01 |
| 15 | 1:15 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.12 | 0.01 |
| 16 | 1:20 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.12 | 0.01 |
| 17 | 1:25 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.12 | 0.01 |
| 18 | 1:30 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.12 | 0.01 |
| 19 | 1:35 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.12 | 0.01 |
| 20 | 1:40 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.12 | 0.01 |
| 21 | 1:45 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.12 | 0.01 |
| 22 | 1:50 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.12 | 0.02 |
| 23 | 1:55 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.12 | 0.02 |
| 24 | 2:00 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.13 | 0.02 |
| 25 | 2:05 | 0.8 | 0.13 | 0.48 | 0.12 | 0.01 | 0.12 | 0.02 |
| 26 | 2:10 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.13 | 0.02 |
| 27 | 2:15 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.13 | 0.02 |
| 28 | 2:20 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.13 | 0.02 |
| 29 | 2:25 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.13 | 0.02 |
| 30 | 2:30 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.13 | 0.02 |
| 31 | 2:35 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.13 | 0.02 |
| 32 | 2:40 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.13 | 0.02 |
| 33 | 2:45 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.15 | 0.03 |
| 34 | 2:50 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.15 | 0.03 |
| 35 | 2:55 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.15 | 0.03 |
| 36 | 3:00 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.15 | 0.03 |
| 37 | 3:05 | 1.0 | 0.17 | 0.48 | 0.15 | 0.02 | 0.15 | 0.03 |
| 38 | 3:10 | 1.1 | 0.18 | 0.48 | 0.17 | 0.02 | 0.16 | 0.03 |
| 39 | 3:15 | 1.1 | 0.18 | 0.48 | 0.17 | 0.02 | 0.16 | 0.03 |
| 40 | 3:20 | 1.1 | 0.18 | 0.48 | 0.17 | 0.02 | 0.16 | 0.03 |
| 41 | 3:25 | 1.2 | 0.20 | 0.48 | 0.18 | 0.02 | 0.17 | 0.03 |
| 42 | 3:30 | 1.3 | 0.22 | 0.48 | 0.20 | 0.02 | 0.19 | 0.03 |
| 43 | 3:35 | 1.4 | 0.24 | 0.48 | 0.21 | 0.02 | 0.20 | 0.04 |
| 44 | 3:40 | 1.4 | 0.24 | 0.48 | 0.21 | 0.02 | 0.20 | 0.04 |
| 45 | 3:45 | 1.5 | 0.25 | 0.48 | 0.23 | 0.03 | 0.22 | 0.04 |
| 46 | 3:50 | 1.5 | 0.25 | 0.48 | 0.23 | 0.03 | 0.22 | 0.04 |
| 47 | 3:55 | 1.6 | 0.27 | 0.48 | 0.24 | 0.03 | 0.23 | 0.04 |
| 48 | 4:00 | 1.6 | 0.27 | 0.48 | 0.24 | 0.03 | 0.23 | 0.04 |
| 49 | 4:05 | 1.7 | 0.29 | 0.48 | 0.26 | 0.03 | 0.25 | 0.05 |
| 50 | 4:10 | 1.8 | 0.30 | 0.48 | 0.27 | 0.03 | 0.26 | 0.05 |
| 51 | 4:15 | 1.9 | 0.32 | 0.48 | 0.29 | 0.03 | 0.28 | 0.05 |
| 52 | 4:20 | 2.0 | 0.34 | 0.48 | 0.30 | 0.03 | 0.29 | 0.05 |
| 53 | 4:25 | 2.1 | 0.35 | 0.48 | 0.32 | 0.04 | 0.31 | 0.05 |
| 54 | 4:30 | 2.1 | 0.35 | 0.48 | 0.32 | 0.04 | 0.31 | 0.06 |
| 55 | 4:35 | 2.2 | 0.37 | 0.48 | 0.33 | 0.04 | 0.32 | 0.06 |
| 56 | 4:40 | 2.3 | 0.39 | 0.48 | 0.35 | 0.04 | 0.33 | 0.06 |
| 57 | 4:45 | 2.4 | 0.40 | 0.48 | 0.36 | 0.04 | 0.35 | 0.06 |
| 58 | 4:50 | 2.4 | 0.40 | 0.48 | 0.36 | 0.04 | 0.35 | 0.06 |
| 59 | 4:55 | 2.5 | 0.42 | 0.48 | 0.38 | 0.04 | 0.36 | 0.07 |
| 60 | 5:00 | 2.6 | 0.44 | 0.48 | 0.39 | 0.04 | 0.38 | 0.07 |
| 61 | 5:05 | 3.1 | 0.52 | 0.48 | 0.47 | 0.04 | 0.35 | 0.07 |
| 62 | 5:10 | 3.6 | 0.60 | 0.48 | 0.54 | 0.12 | 1.08 | 0.08 |
| 63 | 5:15 | 3.9 | 0.66 | 0.48 | 0.59 | 0.18 | 1.52 | 0.09 |
| 64 | 5:20 | 4.2 | 0.71 | 0.48 | 0.64 | 0.23 | 1.95 | 0.10 |
| 65 | 5:25 | 4.7 | 0.79 | 0.48 | 0.71 | 0.31 | 2.68 | 0.11 |
| 66 | 5:30 | 5.6 | 0.94 | 0.48 | 0.85 | 0.46 | 3.99 | 0.14 |
| 67 | 5:35 | 1.9 | 0.32 | 0.48 | 0.29 | 0.03 | 0.28 | 0.15 |
| 68 | 5:40 | 0.9 | 0.15 | 0.48 | 0.14 | 0.02 | 0.13 | 0.15 |
| 69 | 5:45 | 0.6 | 0.10 | 0.48 | 0.09 | 0.01 | 0.09 | 0.15 |
| 70 | 5:50 | 0.5 | 0.08 | 0.48 | 0.08 | 0.01 | 0.07 | 0.15 |
| 71 | 5:55 | 0.3 | 0.05 | 0.48 | 0.05 | 0.01 | 0.04 | 0.15 |
| 72 | 6:00 | 0.2 | 0.03 | 0.48 | 0.03 | 0.00 | 0.03 | 0.15 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.0 |
| AMC | | 1 |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.06 | 0.48 | 0.05 | 0.01 | 0.05 | 0.00 |
| 2 | 0:10 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.06 | 0.00 |
| 3 | 0:15 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.06 | 0.00 |
| 4 | 0:20 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.06 | 0.00 |
| 5 | 0:25 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.06 | 0.00 |
| 6 | 0:30 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.07 | 0.00 |
| 7 | 0:35 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.07 | 0.00 |
| 8 | 0:40 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.07 | 0.00 |
| 9 | 0:45 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.07 | 0.00 |
| 10 | 0:50 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.07 | 0.00 |
| 11 | 0:55 | 0.7 | 0.08 | 0.48 | 0.08 | 0.01 | 0.07 | 0.00 |
| 12 | 1:00 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.08 | 0.01 |
| 13 | 1:05 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.08 | 0.01 |
| 14 | 1:10 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.08 | 0.01 |
| 15 | 1:15 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.08 | 0.01 |
| 16 | 1:20 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.08 | 0.01 |
| 17 | 1:25 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.08 | 0.01 |
| 18 | 1:30 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.08 | 0.01 |
| 19 | 1:35 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.08 | 0.01 |
| 20 | 1:40 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.08 | 0.01 |
| 21 | 1:45 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.08 | 0.01 |
| 22 | 1:50 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.08 | 0.01 |
| 23 | 1:55 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.08 | 0.01 |
| 24 | 2:00 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.09 | 0.01 |
| 25 | 2:05 | 0.8 | 0.10 | 0.48 | 0.09 | 0.01 | 0.08 | 0.01 |
| 26 | 2:10 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.09 | 0.01 |
| 27 | 2:15 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.09 | 0.01 |
| 28 | 2:20 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.09 | 0.01 |
| 29 | 2:25 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.09 | 0.02 |
| 30 | 2:30 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.09 | 0.02 |
| 31 | 2:35 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.09 | 0.02 |
| 32 | 2:40 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.09 | 0.02 |
| 33 | 2:45 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.10 | 0.02 |
| 34 | 2:50 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.10 | 0.02 |
| 35 | 2:55 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.10 | 0.02 |
| 36 | 3:00 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.10 | 0.02 |
| 37 | 3:05 | 1.0 | 0.12 | 0.48 | 0.11 | 0.01 | 0.10 | 0.02 |
| 38 | 3:10 | 1.1 | 0.13 | 0.48 | 0.12 | 0.01 | 0.11 | 0.02 |
| 39 | 3:15 | 1.1 | 0.13 | 0.48 | 0.12 | 0.01 | 0.11 | 0.02 |
| 40 | 3:20 | 1.1 | 0.13 | 0.48 | 0.12 | 0.01 | 0.11 | 0.02 |
| 41 | 3:25 | 1.2 | 0.14 | 0.48 | 0.13 | 0.01 | 0.12 | 0.02 |
| 42 | 3:30 | 1.3 | 0.16 | 0.48 | 0.14 | 0.02 | 0.13 | 0.02 |
| 43 | 3:35 | 1.4 | 0.17 | 0.48 | 0.15 | 0.02 | 0.15 | 0.03 |
| 44 | 3:40 | 1.4 | 0.17 | 0.48 | 0.15 | 0.02 | 0.15 | 0.03 |
| 45 | 3:45 | 1.5 | 0.18 | 0.48 | 0.16 | 0.02 | 0.16 | 0.03 |
| 46 | 3:50 | 1.5 | 0.18 | 0.48 | 0.16 | 0.02 | 0.16 | 0.03 |
| 47 | 3:55 | 1.6 | 0.19 | 0.48 | 0.17 | 0.02 | 0.17 | 0.03 |
| 48 | 4:00 | 1.6 | 0.19 | 0.48 | 0.17 | 0.02 | 0.17 | 0.03 |
| 49 | 4:05 | 1.7 | 0.20 | 0.48 | 0.18 | 0.02 | 0.18 | 0.03 |
| 50 | 4:10 | 1.8 | 0.22 | 0.48 | 0.19 | 0.02 | 0.19 | 0.03 |
| 51 | 4:15 | 1.9 | 0.23 | 0.48 | 0.21 | 0.02 | 0.20 | 0.03 |
| 52 | 4:20 | 2.0 | 0.24 | 0.48 | 0.22 | 0.02 | 0.21 | 0.04 |
| 53 | 4:25 | 2.1 | 0.25 | 0.48 | 0.23 | 0.03 | 0.22 | 0.04 |
| 54 | 4:30 | 2.1 | 0.25 | 0.48 | 0.23 | 0.03 | 0.22 | 0.04 |
| 55 | 4:35 | 2.2 | 0.26 | 0.48 | 0.24 | 0.03 | 0.23 | 0.04 |
| 56 | 4:40 | 2.3 | 0.28 | 0.48 | 0.25 | 0.03 | 0.24 | 0.04 |
| 57 | 4:45 | 2.4 | 0.29 | 0.48 | 0.26 | 0.03 | 0.25 | 0.04 |
| 58 | 4:50 | 2.4 | 0.29 | 0.48 | 0.26 | 0.03 | 0.25 | 0.05 |
| 59 | 4:55 | 2.5 | 0.30 | 0.48 | 0.27 | 0.03 | 0.26 | 0.05 |
| 60 | 5:00 | 2.6 | 0.31 | 0.48 | 0.28 | 0.03 | 0.27 | 0.05 |
| 61 | 5:05 | 3.1 | 0.37 | 0.48 | 0.33 | 0.04 | 0.32 | 0.05 |
| 62 | 5:10 | 3.6 | 0.43 | 0.48 | 0.39 | 0.04 | 0.37 | 0.05 |
| 63 | 5:15 | 3.9 | 0.47 | 0.48 | 0.42 | 0.05 | 0.40 | 0.06 |
| 64 | 5:20 | 4.2 | 0.50 | 0.48 | 0.45 | 0.02 | 0.21 | 0.06 |
| 65 | 5:25 | 4.7 | 0.56 | 0.48 | 0.51 | 0.08 | 0.73 | 0.06 |
| 66 | 5:30 | 5.6 | 0.67 | 0.48 | 0.60 | 0.19 | 1.66 | 0.07 |
| 67 | 5:35 | 1.9 | 0.23 | 0.48 | 0.21 | 0.02 | 0.20 | 0.08 |
| 68 | 5:40 | 0.9 | 0.11 | 0.48 | 0.10 | 0.01 | 0.09 | 0.08 |
| 69 | 5:45 | 0.6 | 0.07 | 0.48 | 0.06 | 0.01 | 0.06 | 0.08 |
| 70 | 5:50 | 0.5 | 0.06 | 0.48 | 0.05 | 0.01 | 0.05 | 0.08 |
| 71 | 5:55 | 0.3 | 0.04 | 0.48 | 0.03 | 0.00 | 0.03 | 0.08 |
| 72 | 6:00 | 0.2 | 0.02 | 0.48 | 0.02 | 0.00 | 0.02 | 0.08 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.9 |
| AMC | | III |
| RI | | 77.0 |
| Fp | (in/hr) | 0.14 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.14 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.30 | 0.14 | 0.27 | 0.16 | 1.35 | 0.00 |
| 2 | 0:10 | 1.3 | 0.30 | 0.14 | 0.27 | 0.16 | 1.35 | 0.01 |
| 3 | 0:15 | 1.1 | 0.25 | 0.14 | 0.23 | 0.11 | 0.96 | 0.02 |
| 4 | 0:20 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 1.75 | 0.03 |
| 5 | 0:25 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 1.75 | 0.04 |
| 6 | 0:30 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 2.34 | 0.06 |
| 7 | 0:35 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 1.75 | 0.07 |
| 8 | 0:40 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 2.34 | 0.09 |
| 9 | 0:45 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 2.34 | 0.10 |
| 10 | 0:50 | 1.5 | 0.34 | 0.14 | 0.31 | 0.20 | 1.75 | 0.12 |
| 11 | 0:55 | 1.6 | 0.36 | 0.14 | 0.33 | 0.22 | 1.94 | 0.13 |
| 12 | 1:00 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 2.34 | 0.14 |
| 13 | 1:05 | 2.2 | 0.50 | 0.14 | 0.45 | 0.36 | 3.13 | 0.16 |
| 14 | 1:10 | 2.2 | 0.50 | 0.14 | 0.45 | 0.36 | 3.13 | 0.18 |
| 15 | 1:15 | 2.2 | 0.50 | 0.14 | 0.45 | 0.36 | 3.13 | 0.21 |
| 16 | 1:20 | 2.0 | 0.46 | 0.14 | 0.41 | 0.32 | 2.73 | 0.23 |
| 17 | 1:25 | 2.6 | 0.59 | 0.14 | 0.53 | 0.45 | 3.92 | 0.25 |
| 18 | 1:30 | 2.7 | 0.62 | 0.14 | 0.55 | 0.48 | 4.11 | 0.28 |
| 19 | 1:35 | 2.4 | 0.55 | 0.14 | 0.49 | 0.41 | 3.52 | 0.30 |
| 20 | 1:40 | 2.7 | 0.62 | 0.14 | 0.55 | 0.48 | 4.11 | 0.33 |
| 21 | 1:45 | 3.3 | 0.75 | 0.14 | 0.68 | 0.61 | 5.30 | 0.36 |
| 22 | 1:50 | 3.1 | 0.71 | 0.14 | 0.64 | 0.57 | 4.90 | 0.40 |
| 23 | 1:55 | 2.9 | 0.66 | 0.14 | 0.60 | 0.52 | 4.51 | 0.43 |
| 24 | 2:00 | 3.0 | 0.68 | 0.14 | 0.62 | 0.54 | 4.71 | 0.46 |
| 25 | 2:05 | 3.1 | 0.71 | 0.14 | 0.64 | 0.57 | 4.90 | 0.49 |
| 26 | 2:10 | 4.2 | 0.96 | 0.14 | 0.86 | 0.82 | 7.07 | 0.53 |
| 27 | 2:15 | 5.0 | 1.14 | 0.14 | 1.03 | 1.00 | 8.65 | 0.59 |
| 28 | 2:20 | 3.5 | 0.80 | 0.14 | 0.72 | 0.66 | 5.69 | 0.64 |
| 29 | 2:25 | 6.8 | 1.55 | 0.14 | 1.40 | 1.41 | 12.20 | 0.70 |
| 30 | 2:30 | 7.3 | 1.66 | 0.14 | 1.50 | 1.52 | 13.19 | 0.79 |
| 31 | 2:35 | 8.2 | 1.87 | 0.14 | 1.68 | 1.73 | 14.96 | 0.88 |
| 32 | 2:40 | 5.9 | 1.35 | 0.14 | 1.21 | 1.21 | 10.42 | 0.97 |
| 33 | 2:45 | 2.0 | 0.46 | 0.14 | 0.41 | 0.32 | 2.73 | 1.02 |
| 34 | 2:50 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 2.34 | 1.03 |
| 35 | 2:55 | 1.8 | 0.41 | 0.14 | 0.37 | 0.27 | 2.34 | 1.05 |
| 36 | 3:00 | 0.6 | 0.14 | 0.14 | 0.12 | 0.01 | 0.12 | 1.06 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.3 |
| AMC | | II |
| RI | | 77.0 |
| Fp | (in/hr) | 0.28 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.28 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.28 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.20 | 0.28 | 0.18 | 0.02 | 0.18 | 0.00 |
| 2 | 0:10 | 1.3 | 0.20 | 0.28 | 0.18 | 0.02 | 0.18 | 0.00 |
| 3 | 0:15 | 1.1 | 0.17 | 0.28 | 0.15 | 0.02 | 0.15 | 0.00 |
| 4 | 0:20 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 0.20 | 0.00 |
| 5 | 0:25 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 0.20 | 0.01 |
| 6 | 0:30 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.01 |
| 7 | 0:35 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 0.20 | 0.01 |
| 8 | 0:40 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.01 |
| 9 | 0:45 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.01 |
| 10 | 0:50 | 1.5 | 0.23 | 0.28 | 0.21 | 0.02 | 0.20 | 0.01 |
| 11 | 0:55 | 1.6 | 0.25 | 0.28 | 0.22 | 0.02 | 0.22 | 0.01 |
| 12 | 1:00 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.01 |
| 13 | 1:05 | 2.2 | 0.34 | 0.28 | 0.31 | 0.06 | 0.55 | 0.01 |
| 14 | 1:10 | 2.2 | 0.34 | 0.28 | 0.31 | 0.06 | 0.55 | 0.02 |
| 15 | 1:15 | 2.2 | 0.34 | 0.28 | 0.31 | 0.06 | 0.55 | 0.02 |
| 16 | 1:20 | 2.0 | 0.31 | 0.28 | 0.28 | 0.03 | 0.28 | 0.02 |
| 17 | 1:25 | 2.6 | 0.41 | 0.28 | 0.37 | 0.13 | 1.09 | 0.03 |
| 18 | 1:30 | 2.7 | 0.42 | 0.28 | 0.38 | 0.14 | 1.22 | 0.04 |
| 19 | 1:35 | 2.4 | 0.37 | 0.28 | 0.34 | 0.09 | 0.82 | 0.04 |
| 20 | 1:40 | 2.7 | 0.42 | 0.28 | 0.38 | 0.14 | 1.22 | 0.05 |
| 21 | 1:45 | 3.3 | 0.51 | 0.28 | 0.46 | 0.23 | 2.03 | 0.06 |
| 22 | 1:50 | 3.1 | 0.48 | 0.28 | 0.44 | 0.20 | 1.76 | 0.07 |
| 23 | 1:55 | 2.9 | 0.45 | 0.28 | 0.41 | 0.17 | 1.49 | 0.09 |
| 24 | 2:00 | 3.0 | 0.47 | 0.28 | 0.42 | 0.19 | 1.63 | 0.10 |
| 25 | 2:05 | 3.1 | 0.48 | 0.28 | 0.44 | 0.20 | 1.76 | 0.11 |
| 26 | 2:10 | 4.2 | 0.66 | 0.28 | 0.59 | 0.38 | 3.25 | 0.12 |
| 27 | 2:15 | 5.0 | 0.78 | 0.28 | 0.70 | 0.50 | 4.33 | 0.15 |
| 28 | 2:20 | 3.5 | 0.55 | 0.28 | 0.49 | 0.27 | 2.30 | 0.17 |
| 29 | 2:25 | 6.8 | 1.06 | 0.28 | 0.95 | 0.78 | 6.75 | 0.20 |
| 30 | 2:30 | 7.3 | 1.14 | 0.28 | 1.02 | 0.86 | 7.43 | 0.25 |
| 31 | 2:35 | 8.2 | 1.28 | 0.28 | 1.15 | 1.00 | 8.64 | 0.31 |
| 32 | 2:40 | 5.9 | 0.92 | 0.28 | 0.83 | 0.64 | 5.54 | 0.36 |
| 33 | 2:45 | 2.0 | 0.31 | 0.28 | 0.28 | 0.03 | 0.28 | 0.38 |
| 34 | 2:50 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.38 |
| 35 | 2:55 | 1.8 | 0.28 | 0.28 | 0.25 | 0.00 | 0.01 | 0.38 |
| 36 | 3:00 | 0.6 | 0.09 | 0.28 | 0.08 | 0.01 | 0.08 | 0.38 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 1.1 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| Ai | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.17 | 0.48 | 0.15 | 0.02 | 0.15 | 0.00 |
| 2 | 0:10 | 1.3 | 0.17 | 0.48 | 0.15 | 0.02 | 0.15 | 0.00 |
| 3 | 0:15 | 1.1 | 0.15 | 0.48 | 0.13 | 0.01 | 0.13 | 0.00 |
| 4 | 0:20 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 0.17 | 0.00 |
| 5 | 0:25 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 0.17 | 0.00 |
| 6 | 0:30 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.21 | 0.01 |
| 7 | 0:35 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 0.17 | 0.01 |
| 8 | 0:40 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.21 | 0.01 |
| 9 | 0:45 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.21 | 0.01 |
| 10 | 0:50 | 1.5 | 0.20 | 0.48 | 0.18 | 0.02 | 0.17 | 0.01 |
| 11 | 0:55 | 1.6 | 0.21 | 0.48 | 0.19 | 0.02 | 0.18 | 0.01 |
| 12 | 1:00 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.21 | 0.01 |
| 13 | 1:05 | 2.2 | 0.29 | 0.48 | 0.26 | 0.03 | 0.25 | 0.02 |
| 14 | 1:10 | 2.2 | 0.29 | 0.48 | 0.26 | 0.03 | 0.25 | 0.02 |
| 15 | 1:15 | 2.2 | 0.29 | 0.48 | 0.26 | 0.03 | 0.25 | 0.02 |
| 16 | 1:20 | 2.0 | 0.26 | 0.48 | 0.24 | 0.03 | 0.23 | 0.02 |
| 17 | 1:25 | 2.6 | 0.34 | 0.48 | 0.31 | 0.03 | 0.30 | 0.02 |
| 18 | 1:30 | 2.7 | 0.36 | 0.48 | 0.32 | 0.04 | 0.31 | 0.02 |
| 19 | 1:35 | 2.4 | 0.32 | 0.48 | 0.29 | 0.03 | 0.27 | 0.03 |
| 20 | 1:40 | 2.7 | 0.36 | 0.48 | 0.32 | 0.04 | 0.31 | 0.03 |
| 21 | 1:45 | 3.3 | 0.44 | 0.48 | 0.39 | 0.04 | 0.38 | 0.03 |
| 22 | 1:50 | 3.1 | 0.41 | 0.48 | 0.37 | 0.04 | 0.35 | 0.03 |
| 23 | 1:55 | 2.9 | 0.38 | 0.48 | 0.34 | 0.04 | 0.33 | 0.04 |
| 24 | 2:00 | 3.0 | 0.40 | 0.48 | 0.36 | 0.04 | 0.34 | 0.04 |
| 25 | 2:05 | 3.1 | 0.41 | 0.48 | 0.37 | 0.04 | 0.35 | 0.04 |
| 26 | 2:10 | 4.2 | 0.55 | 0.48 | 0.50 | 0.07 | 0.64 | 0.04 |
| 27 | 2:15 | 5.0 | 0.66 | 0.48 | 0.59 | 0.18 | 1.56 | 0.05 |
| 28 | 2:20 | 3.5 | 0.46 | 0.48 | 0.42 | 0.05 | 0.40 | 0.06 |
| 29 | 2:25 | 6.8 | 0.90 | 0.48 | 0.81 | 0.42 | 3.61 | 0.07 |
| 30 | 2:30 | 7.3 | 0.96 | 0.48 | 0.87 | 0.48 | 4.18 | 0.10 |
| 31 | 2:35 | 8.2 | 1.08 | 0.48 | 0.97 | 0.60 | 5.21 | 0.13 |
| 32 | 2:40 | 5.9 | 0.78 | 0.48 | 0.70 | 0.30 | 2.58 | 0.16 |
| 33 | 2:45 | 2.0 | 0.26 | 0.48 | 0.24 | 0.03 | 0.23 | 0.17 |
| 34 | 2:50 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.21 | 0.17 |
| 35 | 2:55 | 1.8 | 0.24 | 0.48 | 0.21 | 0.02 | 0.21 | 0.17 |
| 36 | 3:00 | 0.6 | 0.08 | 0.48 | 0.07 | 0.01 | 0.07 | 0.17 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | open space |
| Rainfall | (inches) | 0.8 |
| AMC | | I |
| RI | | 77.0 |
| Fp | (in/hr) | 0.48 |
| At | (decimal) | 0.00 |
| Low Loss | (decimal) | 0.90 |
| F | (in/hr) | 0.48 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.48 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.12 | 0.48 | 0.11 | 0.01 | 0.11 | 0.00 |
| 2 | 0:10 | 1.3 | 0.12 | 0.48 | 0.11 | 0.01 | 0.11 | 0.00 |
| 3 | 0:15 | 1.1 | 0.11 | 0.48 | 0.10 | 0.01 | 0.09 | 0.00 |
| 4 | 0:20 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.12 | 0.00 |
| 5 | 0:25 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.12 | 0.00 |
| 6 | 0:30 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.15 | 0.00 |
| 7 | 0:35 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.12 | 0.01 |
| 8 | 0:40 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.15 | 0.01 |
| 9 | 0:45 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.15 | 0.01 |
| 10 | 0:50 | 1.5 | 0.14 | 0.48 | 0.13 | 0.01 | 0.12 | 0.01 |
| 11 | 0:55 | 1.6 | 0.15 | 0.48 | 0.14 | 0.02 | 0.13 | 0.01 |
| 12 | 1:00 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.15 | 0.01 |
| 13 | 1:05 | 2.2 | 0.21 | 0.48 | 0.19 | 0.02 | 0.18 | 0.01 |
| 14 | 1:10 | 2.2 | 0.21 | 0.48 | 0.19 | 0.02 | 0.18 | 0.01 |
| 15 | 1:15 | 2.2 | 0.21 | 0.48 | 0.19 | 0.02 | 0.18 | 0.01 |
| 16 | 1:20 | 2.0 | 0.19 | 0.48 | 0.17 | 0.02 | 0.17 | 0.01 |
| 17 | 1:25 | 2.6 | 0.25 | 0.48 | 0.22 | 0.02 | 0.22 | 0.02 |
| 18 | 1:30 | 2.7 | 0.26 | 0.48 | 0.23 | 0.03 | 0.22 | 0.02 |
| 19 | 1:35 | 2.4 | 0.23 | 0.48 | 0.21 | 0.02 | 0.20 | 0.02 |
| 20 | 1:40 | 2.7 | 0.26 | 0.48 | 0.23 | 0.03 | 0.22 | 0.02 |
| 21 | 1:45 | 3.3 | 0.32 | 0.48 | 0.29 | 0.03 | 0.27 | 0.02 |
| 22 | 1:50 | 3.1 | 0.30 | 0.48 | 0.27 | 0.03 | 0.26 | 0.02 |
| 23 | 1:55 | 2.9 | 0.28 | 0.48 | 0.25 | 0.03 | 0.24 | 0.03 |
| 24 | 2:00 | 3.0 | 0.29 | 0.48 | 0.26 | 0.03 | 0.25 | 0.03 |
| 25 | 2:05 | 3.1 | 0.30 | 0.48 | 0.27 | 0.03 | 0.26 | 0.03 |
| 26 | 2:10 | 4.2 | 0.40 | 0.48 | 0.36 | 0.04 | 0.35 | 0.03 |
| 27 | 2:15 | 5.0 | 0.48 | 0.48 | 0.43 | 0.05 | 0.42 | 0.03 |
| 28 | 2:20 | 3.5 | 0.34 | 0.48 | 0.30 | 0.03 | 0.29 | 0.04 |
| 29 | 2:25 | 6.8 | 0.65 | 0.48 | 0.59 | 0.17 | 1.49 | 0.04 |
| 30 | 2:30 | 7.3 | 0.70 | 0.48 | 0.63 | 0.22 | 1.91 | 0.05 |
| 31 | 2:35 | 8.2 | 0.79 | 0.48 | 0.71 | 0.31 | 2.66 | 0.07 |
| 32 | 2:40 | 5.9 | 0.57 | 0.48 | 0.51 | 0.09 | 0.75 | 0.08 |
| 33 | 2:45 | 2.0 | 0.19 | 0.48 | 0.17 | 0.02 | 0.17 | 0.08 |
| 34 | 2:50 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.15 | 0.09 |
| 35 | 2:55 | 1.8 | 0.17 | 0.48 | 0.16 | 0.02 | 0.15 | 0.09 |
| 36 | 3:00 | 0.6 | 0.06 | 0.48 | 0.05 | 0.01 | 0.05 | 0.09 |

# Hydrologic Summary

BUILDING 4
PROPOSED CONDITION

## Watershed Characteristics

| | | |
|---|---|---|
| Area | (acres) | 8.65 |
| Soil | | C |
| Cover | | Commercial |

## Hydrograph Parameters

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Rainfall - 24-hr | (inches) | 4.0 | 2.6 | 2.2 | 1.6 | |
| Rainfall - 6-hr | (inches) | 2.5 | 1.7 | 1.4 | 1.0 | |
| Rainfall - 3-hr | (inches) | 1.9 | 1.3 | 1.1 | 0.8 | |
| AMC | | III | II | I | I | |
| RI | | 69 | 69 | 69 | 69 | Plate E-6.1 |
| Fp | (in/hr) | 0.21 | 0.40 | 0.60 | 0.60 | Plate E-6.2 |
| Ai | (decimal) | 0.90 | 0.90 | 0.90 | 0.90 | Plate E-6.3 |
| Low Loss | (decimal) | 0.18 | 0.18 | 0.18 | 0.18 | 0.9-(0.8Ai) |
| F | (in/hr) | 0.04 | 0.08 | 0.11 | 0.11 | Fp(1-0.9Ai) |
| Fm | (in/hr) | 0.02 | 0.04 | 0.06 | 0.06 | F/2 |
| C | | 0.00 | 0.00 | 0.00 | 0.00 | (F-Fm)/54 |

## Hydrograph Results

| | | 100-year | 10-year | 5-year | 2-year | |
|---|---|---|---|---|---|---|
| Peak Flow | (cfs) | 4.41 | 2.49 | 1.74 | 1.03 | 24-hour |
| Peak Flow | (cfs) | 14.19 | 9.22 | 7.15 | 4.83 | 6-hour |
| Peak Flow | (cfs) | 15.83 | 10.41 | 8.38 | 5.82 | 3-hour |
| Total Runoff | (ac-ft) | 2.27 | 1.25 | 0.89 | 0.62 | 24-hour |
| Total Runoff | (ac-ft) | 1.62 | 0.90 | 0.56 | 0.44 | 6-hour |
| Total Runoff | (ac-ft) | 1.27 | 0.77 | 0.55 | 0.34 | 3-hour |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 4.0 |
| AMC | | III |
| RI | | 69.0 |
| Fp | (in/hr) | 0.21 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.04 |
| Fm | (in/hr) | 0.02 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.07 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.03 | 0.07 | 0.01 | 0.03 | 0.23 | 0.00 |
| 2 | 0:30 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.34 | 0.01 |
| 3 | 0:45 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.34 | 0.02 |
| 4 | 1:00 | 0.4 | 0.06 | 0.07 | 0.01 | 0.05 | 0.45 | 0.02 |
| 5 | 1:15 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.34 | 0.03 |
| 6 | 1:30 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.34 | 0.04 |
| 7 | 1:45 | 0.3 | 0.05 | 0.07 | 0.01 | 0.04 | 0.34 | 0.05 |
| 8 | 2:00 | 0.4 | 0.06 | 0.06 | 0.01 | 0.05 | 0.45 | 0.05 |
| 9 | 2:15 | 0.4 | 0.06 | 0.06 | 0.01 | 0.05 | 0.45 | 0.06 |
| 10 | 2:30 | 0.4 | 0.06 | 0.06 | 0.01 | 0.00 | 0.01 | 0.07 |
| 11 | 2:45 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.15 | 0.07 |
| 12 | 3:00 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.16 | 0.07 |
| 13 | 3:15 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.16 | 0.08 |
| 14 | 3:30 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.17 | 0.08 |
| 15 | 3:45 | 0.5 | 0.08 | 0.06 | 0.01 | 0.02 | 0.18 | 0.08 |
| 16 | 4:00 | 0.6 | 0.10 | 0.06 | 0.02 | 0.04 | 0.32 | 0.09 |
| 17 | 4:15 | 0.6 | 0.10 | 0.06 | 0.02 | 0.04 | 0.33 | 0.10 |
| 18 | 4:30 | 0.7 | 0.11 | 0.06 | 0.02 | 0.05 | 0.47 | 0.10 |
| 19 | 4:45 | 0.7 | 0.11 | 0.06 | 0.02 | 0.06 | 0.48 | 0.11 |
| 20 | 5:00 | 0.8 | 0.13 | 0.06 | 0.02 | 0.07 | 0.62 | 0.12 |
| 21 | 5:15 | 0.6 | 0.10 | 0.06 | 0.02 | 0.04 | 0.35 | 0.13 |
| 22 | 5:30 | 0.7 | 0.11 | 0.05 | 0.02 | 0.06 | 0.50 | 0.14 |
| 23 | 5:45 | 0.8 | 0.13 | 0.05 | 0.02 | 0.07 | 0.64 | 0.16 |
| 24 | 6:00 | 0.8 | 0.13 | 0.05 | 0.02 | 0.08 | 0.65 | 0.17 |
| 25 | 6:15 | 0.9 | 0.14 | 0.05 | 0.03 | 0.09 | 0.79 | 0.18 |
| 26 | 6:30 | 0.9 | 0.14 | 0.05 | 0.03 | 0.09 | 0.80 | 0.20 |
| 27 | 6:45 | 1.0 | 0.16 | 0.05 | 0.03 | 0.11 | 0.94 | 0.22 |
| 28 | 7:00 | 1.0 | 0.16 | 0.05 | 0.03 | 0.11 | 0.95 | 0.24 |
| 29 | 7:15 | 1.0 | 0.16 | 0.05 | 0.03 | 0.11 | 0.96 | 0.26 |
| 30 | 7:30 | 1.1 | 0.18 | 0.05 | 0.03 | 0.13 | 1.10 | 0.28 |
| 31 | 7:45 | 1.2 | 0.19 | 0.05 | 0.03 | 0.14 | 1.24 | 0.30 |
| 32 | 8:00 | 1.3 | 0.21 | 0.05 | 0.04 | 0.16 | 1.39 | 0.33 |
| 33 | 8:15 | 1.5 | 0.24 | 0.05 | 0.04 | 0.19 | 1.67 | 0.36 |
| 34 | 8:30 | 1.5 | 0.24 | 0.05 | 0.04 | 0.19 | 1.68 | 0.40 |
| 35 | 8:45 | 1.6 | 0.26 | 0.05 | 0.05 | 0.21 | 1.82 | 0.43 |
| 36 | 9:00 | 1.7 | 0.27 | 0.04 | 0.05 | 0.23 | 1.96 | 0.47 |
| 37 | 9:15 | 1.9 | 0.30 | 0.04 | 0.05 | 0.26 | 2.25 | 0.52 |
| 38 | 9:30 | 2.0 | 0.32 | 0.04 | 0.06 | 0.28 | 2.39 | 0.56 |
| 39 | 9:45 | 2.1 | 0.34 | 0.04 | 0.06 | 0.29 | 2.53 | 0.61 |
| 40 | 10:00 | 2.2 | 0.35 | 0.04 | 0.06 | 0.31 | 2.68 | 0.67 |
| 41 | 10:15 | 1.5 | 0.24 | 0.04 | 0.04 | 0.20 | 1.72 | 0.71 |
| 42 | 10:30 | 1.5 | 0.24 | 0.04 | 0.04 | 0.20 | 1.72 | 0.75 |
| 43 | 10:45 | 2.0 | 0.32 | 0.04 | 0.06 | 0.28 | 2.42 | 0.79 |
| 44 | 11:00 | 2.0 | 0.32 | 0.04 | 0.06 | 0.28 | 2.42 | 0.84 |
| 45 | 11:15 | 1.9 | 0.30 | 0.04 | 0.05 | 0.26 | 2.29 | 0.89 |
| 46 | 11:30 | 1.9 | 0.30 | 0.04 | 0.05 | 0.27 | 2.29 | 0.94 |
| 47 | 11:45 | 1.7 | 0.27 | 0.04 | 0.05 | 0.23 | 2.02 | 0.98 |
| 48 | 12:00 | 1.8 | 0.29 | 0.04 | 0.05 | 0.25 | 2.17 | 1.03 |
| 49 | 12:15 | 2.5 | 0.40 | 0.04 | 0.07 | 0.36 | 3.14 | 1.08 |
| 50 | 12:30 | 2.6 | 0.42 | 0.04 | 0.07 | 0.38 | 3.28 | 1.15 |
| 51 | 12:45 | 2.8 | 0.45 | 0.04 | 0.08 | 0.41 | 3.56 | 1.22 |
| 52 | 13:00 | 2.9 | 0.46 | 0.04 | 0.08 | 0.43 | 3.71 | 1.29 |
| 53 | 13:15 | 3.4 | 0.54 | 0.03 | 0.10 | 0.51 | 4.40 | 1.38 |
| 54 | 13:30 | 3.4 | 0.54 | 0.03 | 0.10 | 0.51 | 4.41 | 1.47 |
| 55 | 13:45 | 2.3 | 0.37 | 0.03 | 0.07 | 0.33 | 2.89 | 1.54 |
| 56 | 14:00 | 2.3 | 0.37 | 0.03 | 0.07 | 0.33 | 2.90 | 1.60 |
| 57 | 14:15 | 2.7 | 0.43 | 0.03 | 0.08 | 0.40 | 3.45 | 1.67 |
| 58 | 14:30 | 2.6 | 0.42 | 0.03 | 0.07 | 0.38 | 3.32 | 1.74 |
| 59 | 14:45 | 2.6 | 0.42 | 0.03 | 0.07 | 0.38 | 3.32 | 1.81 |
| 60 | 15:00 | 2.5 | 0.40 | 0.03 | 0.07 | 0.37 | 3.19 | 1.87 |
| 61 | 15:15 | 2.4 | 0.38 | 0.03 | 0.07 | 0.35 | 3.05 | 1.94 |
| 62 | 15:30 | 2.3 | 0.37 | 0.03 | 0.07 | 0.34 | 2.92 | 2.00 |
| 63 | 15:45 | 1.9 | 0.30 | 0.03 | 0.05 | 0.27 | 2.37 | 2.05 |
| 64 | 16:00 | 1.9 | 0.30 | 0.03 | 0.05 | 0.27 | 2.37 | 2.10 |
| 65 | 16:15 | 0.4 | 0.06 | 0.03 | 0.01 | 0.03 | 0.30 | 2.13 |
| 66 | 16:30 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 0.31 | 2.14 |
| 67 | 16:45 | 0.3 | 0.05 | 0.03 | 0.01 | 0.02 | 0.17 | 2.14 |
| 68 | 17:00 | 0.3 | 0.05 | 0.03 | 0.01 | 0.02 | 0.18 | 2.15 |
| 69 | 17:15 | 0.5 | 0.08 | 0.03 | 0.01 | 0.05 | 0.46 | 2.15 |
| 70 | 17:30 | 0.5 | 0.08 | 0.03 | 0.01 | 0.05 | 0.46 | 2.16 |
| 71 | 17:45 | 0.5 | 0.08 | 0.03 | 0.01 | 0.05 | 0.46 | 2.17 |
| 72 | 18:00 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 0.33 | 2.18 |
| 73 | 18:15 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 0.33 | 2.19 |
| 74 | 18:30 | 0.4 | 0.06 | 0.03 | 0.01 | 0.04 | 0.33 | 2.19 |
| 75 | 18:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.02 | 0.20 | 2.20 |
| 76 | 19:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.06 | 2.20 |
| 77 | 19:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.02 | 0.21 | 2.20 |
| 78 | 19:30 | 0.4 | 0.06 | 0.02 | 0.01 | 0.04 | 0.35 | 2.21 |
| 79 | 19:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.02 | 0.21 | 2.22 |
| 80 | 20:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.08 | 2.22 |
| 81 | 20:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.22 | 2.22 |
| 82 | 20:30 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.22 | 2.23 |
| 83 | 20:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.22 | 2.23 |
| 84 | 21:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.09 | 2.23 |
| 85 | 21:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.23 | 2.24 |
| 86 | 21:30 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.09 | 2.24 |
| 87 | 21:45 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.23 | 2.24 |
| 88 | 22:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.09 | 2.25 |
| 89 | 22:15 | 0.3 | 0.05 | 0.02 | 0.01 | 0.03 | 0.23 | 2.25 |
| 90 | 22:30 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.10 | 2.25 |
| 91 | 22:45 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.10 | 2.26 |
| 92 | 23:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.10 | 2.26 |
| 93 | 23:15 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.10 | 2.26 |
| 94 | 23:30 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.10 | 2.26 |
| 95 | 23:45 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.10 | 2.26 |
| 96 | 0:00 | 0.2 | 0.03 | 0.02 | 0.01 | 0.01 | 0.10 | 2.27 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 2.6 |
| AMC | | II |
| RI | | 69.0 |
| Fp | (in/hr) | 0.40 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.08 |
| Fm | (in/hr) | 0.04 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.13 | 0.00 | 0.02 | 0.15 | 0.00 |
| 2 | 0:30 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.22 | 0.01 |
| 3 | 0:45 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.22 | 0.01 |
| 4 | 1:00 | 0.4 | 0.04 | 0.13 | 0.01 | 0.03 | 0.30 | 0.02 |
| 5 | 1:15 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.22 | 0.02 |
| 6 | 1:30 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.22 | 0.03 |
| 7 | 1:45 | 0.3 | 0.03 | 0.13 | 0.01 | 0.03 | 0.22 | 0.03 |
| 8 | 2:00 | 0.4 | 0.04 | 0.12 | 0.01 | 0.03 | 0.30 | 0.04 |
| 9 | 2:15 | 0.4 | 0.04 | 0.12 | 0.01 | 0.03 | 0.30 | 0.04 |
| 10 | 2:30 | 0.4 | 0.04 | 0.12 | 0.01 | 0.03 | 0.30 | 0.05 |
| 11 | 2:45 | 0.5 | 0.05 | 0.12 | 0.01 | 0.04 | 0.37 | 0.05 |
| 12 | 3:00 | 0.5 | 0.05 | 0.12 | 0.01 | 0.04 | 0.37 | 0.06 |
| 13 | 3:15 | 0.5 | 0.05 | 0.12 | 0.01 | 0.04 | 0.37 | 0.07 |
| 14 | 3:30 | 0.5 | 0.05 | 0.11 | 0.01 | 0.04 | 0.37 | 0.08 |
| 15 | 3:45 | 0.5 | 0.05 | 0.11 | 0.01 | 0.04 | 0.37 | 0.08 |
| 16 | 4:00 | 0.6 | 0.06 | 0.11 | 0.01 | 0.05 | 0.44 | 0.09 |
| 17 | 4:15 | 0.6 | 0.06 | 0.11 | 0.01 | 0.05 | 0.44 | 0.10 |
| 18 | 4:30 | 0.7 | 0.07 | 0.11 | 0.01 | 0.06 | 0.52 | 0.11 |
| 19 | 4:45 | 0.7 | 0.07 | 0.11 | 0.01 | 0.06 | 0.52 | 0.12 |
| 20 | 5:00 | 0.8 | 0.08 | 0.11 | 0.01 | 0.07 | 0.59 | 0.13 |
| 21 | 5:15 | 0.6 | 0.06 | 0.10 | 0.01 | 0.05 | 0.44 | 0.14 |
| 22 | 5:30 | 0.7 | 0.07 | 0.10 | 0.01 | 0.06 | 0.52 | 0.15 |
| 23 | 5:45 | 0.8 | 0.08 | 0.10 | 0.01 | 0.07 | 0.59 | 0.17 |
| 24 | 6:00 | 0.8 | 0.08 | 0.10 | 0.01 | 0.07 | 0.59 | 0.18 |
| 25 | 6:15 | 0.9 | 0.09 | 0.10 | 0.02 | 0.08 | 0.66 | 0.19 |
| 26 | 6:30 | 0.9 | 0.09 | 0.10 | 0.02 | 0.08 | 0.66 | 0.20 |
| 27 | 6:45 | 1.0 | 0.10 | 0.10 | 0.02 | 0.01 | 0.06 | 0.21 |
| 28 | 7:00 | 1.0 | 0.10 | 0.10 | 0.02 | 0.01 | 0.07 | 0.21 |
| 29 | 7:15 | 1.0 | 0.10 | 0.09 | 0.02 | 0.01 | 0.08 | 0.22 |
| 30 | 7:30 | 1.1 | 0.11 | 0.09 | 0.02 | 0.02 | 0.19 | 0.22 |
| 31 | 7:45 | 1.2 | 0.12 | 0.09 | 0.02 | 0.03 | 0.29 | 0.22 |
| 32 | 8:00 | 1.3 | 0.14 | 0.09 | 0.02 | 0.04 | 0.39 | 0.23 |
| 33 | 8:15 | 1.5 | 0.16 | 0.09 | 0.03 | 0.07 | 0.58 | 0.24 |
| 34 | 8:30 | 1.5 | 0.16 | 0.09 | 0.03 | 0.07 | 0.59 | 0.25 |
| 35 | 8:45 | 1.6 | 0.17 | 0.09 | 0.03 | 0.08 | 0.69 | 0.27 |
| 36 | 9:00 | 1.7 | 0.18 | 0.09 | 0.03 | 0.09 | 0.79 | 0.28 |
| 37 | 9:15 | 1.9 | 0.20 | 0.08 | 0.04 | 0.11 | 0.98 | 0.30 |
| 38 | 9:30 | 2.0 | 0.21 | 0.08 | 0.04 | 0.12 | 1.08 | 0.32 |
| 39 | 9:45 | 2.1 | 0.22 | 0.08 | 0.04 | 0.14 | 1.18 | 0.34 |
| 40 | 10:00 | 2.2 | 0.23 | 0.08 | 0.04 | 0.15 | 1.28 | 0.37 |
| 41 | 10:15 | 1.5 | 0.16 | 0.08 | 0.03 | 0.08 | 0.66 | 0.39 |
| 42 | 10:30 | 1.5 | 0.16 | 0.08 | 0.03 | 0.08 | 0.67 | 0.40 |
| 43 | 10:45 | 2.0 | 0.21 | 0.08 | 0.04 | 0.13 | 1.13 | 0.42 |
| 44 | 11:00 | 2.0 | 0.21 | 0.08 | 0.04 | 0.13 | 1.14 | 0.45 |
| 45 | 11:15 | 1.9 | 0.20 | 0.07 | 0.04 | 0.12 | 1.06 | 0.47 |
| 46 | 11:30 | 1.9 | 0.20 | 0.07 | 0.04 | 0.12 | 1.07 | 0.49 |
| 47 | 11:45 | 1.7 | 0.18 | 0.07 | 0.03 | 0.10 | 0.90 | 0.51 |
| 48 | 12:00 | 1.8 | 0.19 | 0.07 | 0.03 | 0.12 | 1.00 | 0.53 |
| 49 | 12:15 | 2.5 | 0.26 | 0.07 | 0.05 | 0.19 | 1.64 | 0.56 |
| 50 | 12:30 | 2.6 | 0.27 | 0.07 | 0.05 | 0.20 | 1.74 | 0.59 |
| 51 | 12:45 | 2.8 | 0.29 | 0.07 | 0.05 | 0.22 | 1.93 | 0.63 |
| 52 | 13:00 | 2.9 | 0.30 | 0.07 | 0.05 | 0.23 | 2.03 | 0.67 |
| 53 | 13:15 | 3.4 | 0.35 | 0.07 | 0.06 | 0.29 | 2.48 | 0.72 |
| 54 | 13:30 | 3.4 | 0.35 | 0.07 | 0.06 | 0.29 | 2.49 | 0.77 |
| 55 | 13:45 | 2.3 | 0.24 | 0.06 | 0.04 | 0.17 | 1.51 | 0.81 |
| 56 | 14:00 | 2.3 | 0.24 | 0.06 | 0.04 | 0.18 | 1.52 | 0.84 |
| 57 | 14:15 | 2.7 | 0.28 | 0.06 | 0.05 | 0.22 | 1.89 | 0.88 |
| 58 | 14:30 | 2.6 | 0.27 | 0.06 | 0.05 | 0.21 | 1.81 | 0.91 |
| 59 | 14:45 | 2.6 | 0.27 | 0.06 | 0.05 | 0.21 | 1.81 | 0.95 |
| 60 | 15:00 | 2.5 | 0.26 | 0.06 | 0.05 | 0.20 | 1.73 | 0.99 |
| 61 | 15:15 | 2.4 | 0.25 | 0.06 | 0.04 | 0.19 | 1.65 | 1.02 |
| 62 | 15:30 | 2.3 | 0.24 | 0.06 | 0.04 | 0.18 | 1.57 | 1.06 |
| 63 | 15:45 | 1.9 | 0.20 | 0.06 | 0.04 | 0.14 | 1.22 | 1.09 |
| 64 | 16:00 | 1.9 | 0.20 | 0.06 | 0.04 | 0.14 | 1.22 | 1.11 |
| 65 | 16:15 | 0.4 | 0.04 | 0.06 | 0.01 | 0.03 | 0.30 | 1.13 |
| 66 | 16:30 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.30 | 1.13 |
| 67 | 16:45 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 0.22 | 1.14 |
| 68 | 17:00 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 0.22 | 1.14 |
| 69 | 17:15 | 0.5 | 0.05 | 0.05 | 0.01 | 0.00 | 0.00 | 1.15 |
| 70 | 17:30 | 0.5 | 0.05 | 0.05 | 0.01 | 0.00 | 0.01 | 1.15 |
| 71 | 17:45 | 0.5 | 0.05 | 0.05 | 0.01 | 0.00 | 0.01 | 1.15 |
| 72 | 18:00 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.30 | 1.15 |
| 73 | 18:15 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.30 | 1.15 |
| 74 | 18:30 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.30 | 1.16 |
| 75 | 18:45 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 0.22 | 1.17 |
| 76 | 19:00 | 0.2 | 0.02 | 0.05 | 0.00 | 0.02 | 0.15 | 1.17 |
| 77 | 19:15 | 0.3 | 0.03 | 0.05 | 0.01 | 0.03 | 0.22 | 1.17 |
| 78 | 19:30 | 0.4 | 0.04 | 0.05 | 0.01 | 0.03 | 0.30 | 1.18 |
| 79 | 19:45 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.22 | 1.18 |
| 80 | 20:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.15 | 1.19 |
| 81 | 20:15 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.22 | 1.19 |
| 82 | 20:30 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.22 | 1.20 |
| 83 | 20:45 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.22 | 1.20 |
| 84 | 21:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.15 | 1.20 |
| 85 | 21:15 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.22 | 1.21 |
| 86 | 21:30 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.15 | 1.21 |
| 87 | 21:45 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.22 | 1.22 |
| 88 | 22:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.15 | 1.22 |
| 89 | 22:15 | 0.3 | 0.03 | 0.04 | 0.01 | 0.03 | 0.22 | 1.22 |
| 90 | 22:30 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.15 | 1.23 |
| 91 | 22:45 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.15 | 1.23 |
| 92 | 23:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.15 | 1.23 |
| 93 | 23:15 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.15 | 1.24 |
| 94 | 23:30 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.15 | 1.24 |
| 95 | 23:45 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.15 | 1.24 |
| 96 | 0:00 | 0.2 | 0.02 | 0.04 | 0.00 | 0.02 | 0.15 | 1.25 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 2.2 |
| AMC | | 1 |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |
| Fm | (in/hr) | 0.06 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | PT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.02 | 0.20 | 0.00 | 0.01 | 0.12 | 0.00 |
| 2 | 0:30 | 0.3 | 0.03 | 0.20 | 0.00 | 0.02 | 0.19 | 0.00 |
| 3 | 0:45 | 0.3 | 0.03 | 0.20 | 0.00 | 0.02 | 0.19 | 0.01 |
| 4 | 1:00 | 0.4 | 0.04 | 0.19 | 0.01 | 0.03 | 0.25 | 0.01 |
| 5 | 1:15 | 0.3 | 0.03 | 0.19 | 0.00 | 0.02 | 0.19 | 0.02 |
| 6 | 1:30 | 0.3 | 0.03 | 0.19 | 0.00 | 0.02 | 0.19 | 0.02 |
| 7 | 1:45 | 0.3 | 0.03 | 0.19 | 0.00 | 0.02 | 0.19 | 0.03 |
| 8 | 2:00 | 0.4 | 0.04 | 0.19 | 0.01 | 0.03 | 0.25 | 0.03 |
| 9 | 2:15 | 0.4 | 0.04 | 0.18 | 0.01 | 0.03 | 0.25 | 0.03 |
| 10 | 2:30 | 0.4 | 0.04 | 0.18 | 0.01 | 0.03 | 0.25 | 0.04 |
| 11 | 2:45 | 0.5 | 0.04 | 0.18 | 0.01 | 0.04 | 0.31 | 0.05 |
| 12 | 3:00 | 0.5 | 0.04 | 0.18 | 0.01 | 0.04 | 0.31 | 0.05 |
| 13 | 3:15 | 0.5 | 0.04 | 0.17 | 0.01 | 0.04 | 0.31 | 0.06 |
| 14 | 3:30 | 0.5 | 0.04 | 0.17 | 0.01 | 0.04 | 0.31 | 0.07 |
| 15 | 3:45 | 0.5 | 0.04 | 0.17 | 0.01 | 0.04 | 0.31 | 0.07 |
| 16 | 4:00 | 0.6 | 0.05 | 0.17 | 0.01 | 0.04 | 0.37 | 0.08 |
| 17 | 4:15 | 0.6 | 0.05 | 0.17 | 0.01 | 0.04 | 0.37 | 0.09 |
| 18 | 4:30 | 0.7 | 0.06 | 0.16 | 0.01 | 0.05 | 0.44 | 0.09 |
| 19 | 4:45 | 0.7 | 0.06 | 0.16 | 0.01 | 0.05 | 0.44 | 0.10 |
| 20 | 5:00 | 0.8 | 0.07 | 0.16 | 0.01 | 0.06 | 0.50 | 0.11 |
| 21 | 5:15 | 0.6 | 0.05 | 0.16 | 0.01 | 0.04 | 0.37 | 0.12 |
| 22 | 5:30 | 0.7 | 0.06 | 0.16 | 0.01 | 0.05 | 0.44 | 0.13 |
| 23 | 5:45 | 0.8 | 0.07 | 0.15 | 0.01 | 0.06 | 0.50 | 0.14 |
| 24 | 6:00 | 0.8 | 0.07 | 0.15 | 0.01 | 0.06 | 0.50 | 0.15 |
| 25 | 6:15 | 0.9 | 0.08 | 0.15 | 0.01 | 0.06 | 0.56 | 0.16 |
| 26 | 6:30 | 0.9 | 0.08 | 0.15 | 0.01 | 0.06 | 0.56 | 0.17 |
| 27 | 6:45 | 1.0 | 0.09 | 0.15 | 0.02 | 0.07 | 0.62 | 0.19 |
| 28 | 7:00 | 1.0 | 0.09 | 0.14 | 0.02 | 0.07 | 0.62 | 0.20 |
| 29 | 7:15 | 1.0 | 0.09 | 0.14 | 0.02 | 0.07 | 0.62 | 0.21 |
| 30 | 7:30 | 1.1 | 0.10 | 0.14 | 0.02 | 0.08 | 0.69 | 0.23 |
| 31 | 7:45 | 1.2 | 0.11 | 0.14 | 0.02 | 0.09 | 0.75 | 0.24 |
| 32 | 8:00 | 1.3 | 0.11 | 0.14 | 0.02 | 0.09 | 0.81 | 0.26 |
| 33 | 8:15 | 1.5 | 0.13 | 0.13 | 0.02 | 0.11 | 0.94 | 0.27 |
| 34 | 8:30 | 1.5 | 0.13 | 0.13 | 0.02 | 0.00 | 0.00 | 0.28 |
| 35 | 8:45 | 1.6 | 0.14 | 0.13 | 0.03 | 0.01 | 0.09 | 0.28 |
| 36 | 9:00 | 1.7 | 0.15 | 0.13 | 0.03 | 0.02 | 0.19 | 0.29 |
| 37 | 9:15 | 1.9 | 0.17 | 0.13 | 0.03 | 0.04 | 0.35 | 0.29 |
| 38 | 9:30 | 2.0 | 0.18 | 0.12 | 0.03 | 0.05 | 0.45 | 0.30 |
| 39 | 9:45 | 2.1 | 0.18 | 0.12 | 0.03 | 0.06 | 0.54 | 0.31 |
| 40 | 10:00 | 2.2 | 0.19 | 0.12 | 0.03 | 0.07 | 0.63 | 0.32 |
| 41 | 10:15 | 1.5 | 0.13 | 0.12 | 0.02 | 0.01 | 0.11 | 0.33 |
| 42 | 10:30 | 1.5 | 0.13 | 0.12 | 0.02 | 0.01 | 0.13 | 0.33 |
| 43 | 10:45 | 2.0 | 0.18 | 0.12 | 0.03 | 0.06 | 0.52 | 0.34 |
| 44 | 11:00 | 2.0 | 0.18 | 0.11 | 0.03 | 0.06 | 0.54 | 0.35 |
| 45 | 11:15 | 1.9 | 0.17 | 0.11 | 0.03 | 0.05 | 0.47 | 0.36 |
| 46 | 11:30 | 1.9 | 0.17 | 0.11 | 0.03 | 0.06 | 0.49 | 0.37 |
| 47 | 11:45 | 1.7 | 0.15 | 0.11 | 0.03 | 0.04 | 0.35 | 0.38 |
| 48 | 12:00 | 1.8 | 0.16 | 0.11 | 0.03 | 0.05 | 0.44 | 0.39 |
| 49 | 12:15 | 2.5 | 0.22 | 0.11 | 0.04 | 0.11 | 0.99 | 0.40 |
| 50 | 12:30 | 2.6 | 0.23 | 0.10 | 0.04 | 0.12 | 1.08 | 0.42 |
| 51 | 12:45 | 2.8 | 0.25 | 0.10 | 0.04 | 0.14 | 1.24 | 0.45 |
| 52 | 13:00 | 2.9 | 0.26 | 0.10 | 0.05 | 0.15 | 1.33 | 0.48 |
| 53 | 13:15 | 3.4 | 0.30 | 0.10 | 0.05 | 0.20 | 1.73 | 0.51 |
| 54 | 13:30 | 3.4 | 0.30 | 0.10 | 0.05 | 0.20 | 1.74 | 0.54 |
| 55 | 13:45 | 2.3 | 0.20 | 0.10 | 0.04 | 0.11 | 0.91 | 0.57 |
| 56 | 14:00 | 2.3 | 0.20 | 0.10 | 0.04 | 0.11 | 0.93 | 0.59 |
| 57 | 14:15 | 2.7 | 0.24 | 0.09 | 0.04 | 0.14 | 1.24 | 0.61 |
| 58 | 14:30 | 2.6 | 0.23 | 0.09 | 0.04 | 0.14 | 1.18 | 0.64 |
| 59 | 14:45 | 2.6 | 0.23 | 0.09 | 0.04 | 0.14 | 1.19 | 0.66 |
| 60 | 15:00 | 2.5 | 0.22 | 0.09 | 0.04 | 0.13 | 1.13 | 0.68 |
| 61 | 15:15 | 2.4 | 0.21 | 0.09 | 0.04 | 0.12 | 1.06 | 0.71 |
| 62 | 15:30 | 2.3 | 0.20 | 0.09 | 0.04 | 0.12 | 1.00 | 0.73 |
| 63 | 15:45 | 1.9 | 0.17 | 0.09 | 0.03 | 0.08 | 0.71 | 0.75 |
| 64 | 16:00 | 1.9 | 0.17 | 0.08 | 0.03 | 0.08 | 0.72 | 0.76 |
| 65 | 16:15 | 0.4 | 0.04 | 0.08 | 0.01 | 0.03 | 0.25 | 0.77 |
| 66 | 16:30 | 0.4 | 0.04 | 0.08 | 0.01 | 0.03 | 0.25 | 0.78 |
| 67 | 16:45 | 0.3 | 0.03 | 0.08 | 0.00 | 0.02 | 0.19 | 0.78 |
| 68 | 17:00 | 0.3 | 0.03 | 0.08 | 0.00 | 0.02 | 0.19 | 0.78 |
| 69 | 17:15 | 0.5 | 0.04 | 0.08 | 0.01 | 0.04 | 0.31 | 0.79 |
| 70 | 17:30 | 0.5 | 0.04 | 0.08 | 0.01 | 0.04 | 0.31 | 0.80 |
| 71 | 17:45 | 0.5 | 0.04 | 0.08 | 0.01 | 0.04 | 0.31 | 0.80 |
| 72 | 18:00 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 0.25 | 0.81 |
| 73 | 18:15 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 0.25 | 0.81 |
| 74 | 18:30 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 0.25 | 0.82 |
| 75 | 18:45 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 0.19 | 0.82 |
| 76 | 19:00 | 0.2 | 0.02 | 0.07 | 0.00 | 0.01 | 0.12 | 0.83 |
| 77 | 19:15 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 0.19 | 0.83 |
| 78 | 19:30 | 0.4 | 0.04 | 0.07 | 0.01 | 0.03 | 0.25 | 0.83 |
| 79 | 19:45 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 0.19 | 0.84 |
| 80 | 20:00 | 0.2 | 0.02 | 0.07 | 0.00 | 0.01 | 0.12 | 0.84 |
| 81 | 20:15 | 0.3 | 0.03 | 0.07 | 0.00 | 0.02 | 0.19 | 0.85 |
| 82 | 20:30 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.19 | 0.85 |
| 83 | 20:45 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.19 | 0.85 |
| 84 | 21:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.12 | 0.86 |
| 85 | 21:15 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.19 | 0.86 |
| 86 | 21:30 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.12 | 0.86 |
| 87 | 21:45 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.19 | 0.87 |
| 88 | 22:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.12 | 0.87 |
| 89 | 22:15 | 0.3 | 0.03 | 0.06 | 0.00 | 0.02 | 0.19 | 0.87 |
| 90 | 22:30 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.12 | 0.88 |
| 91 | 22:45 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.12 | 0.88 |
| 92 | 23:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.12 | 0.88 |
| 93 | 23:15 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.12 | 0.88 |
| 94 | 23:30 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.12 | 0.89 |
| 95 | 23:45 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.12 | 0.89 |
| 96 | 0:00 | 0.2 | 0.02 | 0.06 | 0.00 | 0.01 | 0.12 | 0.89 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 24 |
| Interval | (minute) | 15 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.6 |
| AMC | | 1 |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |
| Fm | (in/hr) | 0.06 |
| C | | 0.00 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | FT Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Total Runoff (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:15 | 0.2 | 0.01 | 0.20 | 0.00 | 0.01 | 0.09 | 0.00 |
| 2 | 0:30 | 0.3 | 0.02 | 0.20 | 0.00 | 0.02 | 0.14 | 0.00 |
| 3 | 0:45 | 0.3 | 0.02 | 0.20 | 0.00 | 0.02 | 0.14 | 0.01 |
| 4 | 1:00 | 0.4 | 0.03 | 0.19 | 0.00 | 0.02 | 0.18 | 0.01 |
| 5 | 1:15 | 0.3 | 0.02 | 0.19 | 0.00 | 0.02 | 0.14 | 0.01 |
| 6 | 1:30 | 0.3 | 0.02 | 0.19 | 0.00 | 0.02 | 0.14 | 0.02 |
| 7 | 1:45 | 0.3 | 0.02 | 0.19 | 0.00 | 0.02 | 0.14 | 0.02 |
| 8 | 2:00 | 0.4 | 0.03 | 0.19 | 0.00 | 0.02 | 0.18 | 0.02 |
| 9 | 2:15 | 0.4 | 0.03 | 0.18 | 0.00 | 0.02 | 0.18 | 0.03 |
| 10 | 2:30 | 0.4 | 0.03 | 0.18 | 0.00 | 0.02 | 0.18 | 0.03 |
| 11 | 2:45 | 0.5 | 0.03 | 0.18 | 0.01 | 0.03 | 0.23 | 0.03 |
| 12 | 3:00 | 0.5 | 0.03 | 0.18 | 0.01 | 0.03 | 0.23 | 0.04 |
| 13 | 3:15 | 0.5 | 0.03 | 0.17 | 0.01 | 0.03 | 0.23 | 0.04 |
| 14 | 3:30 | 0.5 | 0.03 | 0.17 | 0.01 | 0.03 | 0.23 | 0.05 |
| 15 | 3:45 | 0.5 | 0.03 | 0.17 | 0.01 | 0.03 | 0.23 | 0.05 |
| 16 | 4:00 | 0.6 | 0.04 | 0.17 | 0.01 | 0.03 | 0.27 | 0.06 |
| 17 | 4:15 | 0.6 | 0.04 | 0.17 | 0.01 | 0.03 | 0.27 | 0.06 |
| 18 | 4:30 | 0.7 | 0.04 | 0.16 | 0.01 | 0.04 | 0.32 | 0.07 |
| 19 | 4:45 | 0.7 | 0.04 | 0.16 | 0.01 | 0.04 | 0.32 | 0.08 |
| 20 | 5:00 | 0.8 | 0.05 | 0.16 | 0.01 | 0.04 | 0.36 | 0.08 |
| 21 | 5:15 | 0.6 | 0.04 | 0.16 | 0.01 | 0.03 | 0.27 | 0.09 |
| 22 | 5:30 | 0.7 | 0.04 | 0.16 | 0.01 | 0.04 | 0.32 | 0.10 |
| 23 | 5:45 | 0.8 | 0.05 | 0.15 | 0.01 | 0.04 | 0.36 | 0.10 |
| 24 | 6:00 | 0.8 | 0.05 | 0.15 | 0.01 | 0.04 | 0.36 | 0.11 |
| 25 | 6:15 | 0.9 | 0.06 | 0.15 | 0.01 | 0.05 | 0.41 | 0.12 |
| 26 | 6:30 | 0.9 | 0.06 | 0.15 | 0.01 | 0.05 | 0.41 | 0.13 |
| 27 | 6:45 | 1.0 | 0.06 | 0.15 | 0.01 | 0.05 | 0.45 | 0.14 |
| 28 | 7:00 | 1.0 | 0.06 | 0.14 | 0.01 | 0.05 | 0.45 | 0.14 |
| 29 | 7:15 | 1.0 | 0.06 | 0.14 | 0.01 | 0.05 | 0.45 | 0.15 |
| 30 | 7:30 | 1.1 | 0.07 | 0.14 | 0.01 | 0.06 | 0.50 | 0.16 |
| 31 | 7:45 | 1.2 | 0.08 | 0.14 | 0.01 | 0.06 | 0.54 | 0.17 |
| 32 | 8:00 | 1.3 | 0.08 | 0.14 | 0.01 | 0.07 | 0.59 | 0.19 |
| 33 | 8:15 | 1.5 | 0.10 | 0.13 | 0.02 | 0.08 | 0.68 | 0.20 |
| 34 | 8:30 | 1.5 | 0.10 | 0.13 | 0.02 | 0.08 | 0.68 | 0.21 |
| 35 | 8:45 | 1.6 | 0.10 | 0.13 | 0.02 | 0.08 | 0.73 | 0.23 |
| 36 | 9:00 | 1.7 | 0.11 | 0.13 | 0.02 | 0.09 | 0.77 | 0.24 |
| 37 | 9:15 | 1.9 | 0.12 | 0.13 | 0.02 | 0.10 | 0.86 | 0.26 |
| 38 | 9:30 | 2.0 | 0.13 | 0.12 | 0.02 | 0.00 | 0.03 | 0.27 |
| 39 | 9:45 | 2.1 | 0.13 | 0.12 | 0.02 | 0.01 | 0.10 | 0.27 |
| 40 | 10:00 | 2.2 | 0.14 | 0.12 | 0.03 | 0.02 | 0.17 | 0.27 |
| 41 | 10:15 | 1.5 | 0.10 | 0.12 | 0.02 | 0.08 | 0.68 | 0.28 |
| 42 | 10:30 | 1.5 | 0.10 | 0.12 | 0.02 | 0.08 | 0.68 | 0.30 |
| 43 | 10:45 | 2.0 | 0.13 | 0.12 | 0.02 | 0.01 | 0.11 | 0.30 |
| 44 | 11:00 | 2.0 | 0.13 | 0.11 | 0.02 | 0.01 | 0.12 | 0.31 |
| 45 | 11:15 | 1.9 | 0.12 | 0.11 | 0.02 | 0.01 | 0.08 | 0.31 |
| 46 | 11:30 | 1.9 | 0.12 | 0.11 | 0.02 | 0.01 | 0.09 | 0.31 |
| 47 | 11:45 | 1.7 | 0.11 | 0.11 | 0.02 | 0.09 | 0.77 | 0.32 |
| 48 | 12:00 | 1.8 | 0.12 | 0.11 | 0.02 | 0.01 | 0.07 | 0.33 |
| 49 | 12:15 | 2.5 | 0.16 | 0.11 | 0.03 | 0.05 | 0.47 | 0.33 |
| 50 | 12:30 | 2.6 | 0.17 | 0.10 | 0.03 | 0.06 | 0.54 | 0.34 |
| 51 | 12:45 | 2.8 | 0.18 | 0.10 | 0.03 | 0.08 | 0.66 | 0.36 |
| 52 | 13:00 | 2.9 | 0.19 | 0.10 | 0.03 | 0.08 | 0.73 | 0.37 |
| 53 | 13:15 | 3.4 | 0.22 | 0.10 | 0.04 | 0.12 | 1.02 | 0.39 |
| 54 | 13:30 | 3.4 | 0.22 | 0.10 | 0.04 | 0.12 | 1.03 | 0.41 |
| 55 | 13:45 | 2.3 | 0.15 | 0.10 | 0.03 | 0.05 | 0.44 | 0.43 |
| 56 | 14:00 | 2.3 | 0.15 | 0.10 | 0.03 | 0.05 | 0.45 | 0.43 |
| 57 | 14:15 | 2.7 | 0.17 | 0.09 | 0.03 | 0.08 | 0.68 | 0.45 |
| 58 | 14:30 | 2.6 | 0.17 | 0.09 | 0.03 | 0.07 | 0.64 | 0.46 |
| 59 | 14:45 | 2.6 | 0.17 | 0.09 | 0.03 | 0.08 | 0.65 | 0.47 |
| 60 | 15:00 | 2.5 | 0.16 | 0.09 | 0.03 | 0.07 | 0.61 | 0.49 |
| 61 | 15:15 | 2.4 | 0.15 | 0.09 | 0.03 | 0.07 | 0.57 | 0.50 |
| 62 | 15:30 | 2.3 | 0.15 | 0.09 | 0.03 | 0.06 | 0.52 | 0.51 |
| 63 | 15:45 | 1.9 | 0.12 | 0.09 | 0.02 | 0.04 | 0.31 | 0.52 |
| 64 | 16:00 | 1.9 | 0.12 | 0.08 | 0.02 | 0.04 | 0.32 | 0.53 |
| 65 | 16:15 | 0.4 | 0.03 | 0.08 | 0.00 | 0.02 | 0.18 | 0.53 |
| 66 | 16:30 | 0.4 | 0.03 | 0.08 | 0.00 | 0.02 | 0.18 | 0.53 |
| 67 | 16:45 | 0.3 | 0.02 | 0.08 | 0.00 | 0.02 | 0.14 | 0.54 |
| 68 | 17:00 | 0.3 | 0.02 | 0.08 | 0.00 | 0.02 | 0.14 | 0.54 |
| 69 | 17:15 | 0.5 | 0.03 | 0.08 | 0.01 | 0.03 | 0.23 | 0.54 |
| 70 | 17:30 | 0.5 | 0.03 | 0.08 | 0.01 | 0.03 | 0.23 | 0.55 |
| 71 | 17:45 | 0.5 | 0.03 | 0.08 | 0.01 | 0.03 | 0.23 | 0.55 |
| 72 | 18:00 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 0.18 | 0.56 |
| 73 | 18:15 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 0.18 | 0.56 |
| 74 | 18:30 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 0.18 | 0.57 |
| 75 | 18:45 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.14 | 0.57 |
| 76 | 19:00 | 0.2 | 0.01 | 0.07 | 0.00 | 0.01 | 0.09 | 0.57 |
| 77 | 19:15 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.14 | 0.57 |
| 78 | 19:30 | 0.4 | 0.03 | 0.07 | 0.00 | 0.02 | 0.18 | 0.58 |
| 79 | 19:45 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.14 | 0.58 |
| 80 | 20:00 | 0.2 | 0.01 | 0.07 | 0.00 | 0.01 | 0.09 | 0.58 |
| 81 | 20:15 | 0.3 | 0.02 | 0.07 | 0.00 | 0.02 | 0.14 | 0.58 |
| 82 | 20:30 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.14 | 0.59 |
| 83 | 20:45 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.14 | 0.59 |
| 84 | 21:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.09 | 0.59 |
| 85 | 21:15 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.14 | 0.59 |
| 86 | 21:30 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.09 | 0.60 |
| 87 | 21:45 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.14 | 0.60 |
| 88 | 22:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.09 | 0.60 |
| 89 | 22:15 | 0.3 | 0.02 | 0.06 | 0.00 | 0.02 | 0.14 | 0.60 |
| 90 | 22:30 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.09 | 0.61 |
| 91 | 22:45 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.09 | 0.61 |
| 92 | 23:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.09 | 0.61 |
| 93 | 23:15 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.09 | 0.61 |
| 94 | 23:30 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.09 | 0.61 |
| 95 | 23:45 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.09 | 0.62 |
| 96 | 0:00 | 0.2 | 0.01 | 0.06 | 0.00 | 0.01 | 0.09 | 0.62 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 2.5 |
| AMC | | III |
| RI | | 69.0 |
| Fp | (in/hr) | 0.21 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.04 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.15 | 0.04 | 0.03 | 0.11 | 0.95 | 0.00 |
| 2 | 0:10 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 1.21 | 0.01 |
| 3 | 0:15 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 1.21 | 0.02 |
| 4 | 0:20 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 1.21 | 0.03 |
| 5 | 0:25 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 1.21 | 0.04 |
| 6 | 0:30 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.47 | 0.05 |
| 7 | 0:35 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.47 | 0.06 |
| 8 | 0:40 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.47 | 0.07 |
| 9 | 0:45 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.47 | 0.08 |
| 10 | 0:50 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.47 | 0.09 |
| 11 | 0:55 | 0.7 | 0.21 | 0.04 | 0.04 | 0.17 | 1.47 | 0.10 |
| 12 | 1:00 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.73 | 0.11 |
| 13 | 1:05 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.73 | 0.12 |
| 14 | 1:10 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.73 | 0.13 |
| 15 | 1:15 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.73 | 0.14 |
| 16 | 1:20 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.73 | 0.15 |
| 17 | 1:25 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.73 | 0.17 |
| 18 | 1:30 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.73 | 0.18 |
| 19 | 1:35 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.73 | 0.19 |
| 20 | 1:40 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.73 | 0.20 |
| 21 | 1:45 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.73 | 0.21 |
| 22 | 1:50 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.73 | 0.23 |
| 23 | 1:55 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.73 | 0.24 |
| 24 | 2:00 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.99 | 0.25 |
| 25 | 2:05 | 0.8 | 0.24 | 0.04 | 0.04 | 0.20 | 1.73 | 0.26 |
| 26 | 2:10 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.99 | 0.28 |
| 27 | 2:15 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.99 | 0.29 |
| 28 | 2:20 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.99 | 0.30 |
| 29 | 2:25 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.99 | 0.32 |
| 30 | 2:30 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.99 | 0.33 |
| 31 | 2:35 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.99 | 0.34 |
| 32 | 2:40 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.99 | 0.36 |
| 33 | 2:45 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 2.25 | 0.37 |
| 34 | 2:50 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 2.25 | 0.39 |
| 35 | 2:55 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 2.25 | 0.40 |
| 36 | 3:00 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 2.25 | 0.42 |
| 37 | 3:05 | 1.0 | 0.30 | 0.04 | 0.05 | 0.26 | 2.25 | 0.44 |
| 38 | 3:10 | 1.1 | 0.33 | 0.04 | 0.06 | 0.29 | 2.51 | 0.45 |
| 39 | 3:15 | 1.1 | 0.33 | 0.04 | 0.06 | 0.29 | 2.51 | 0.47 |
| 40 | 3:20 | 1.1 | 0.33 | 0.04 | 0.06 | 0.29 | 2.51 | 0.49 |
| 41 | 3:25 | 1.2 | 0.36 | 0.04 | 0.06 | 0.32 | 2.77 | 0.50 |
| 42 | 3:30 | 1.3 | 0.39 | 0.04 | 0.07 | 0.35 | 3.03 | 0.52 |
| 43 | 3:35 | 1.4 | 0.42 | 0.04 | 0.08 | 0.38 | 3.29 | 0.55 |
| 44 | 3:40 | 1.4 | 0.42 | 0.04 | 0.08 | 0.38 | 3.29 | 0.57 |
| 45 | 3:45 | 1.5 | 0.45 | 0.04 | 0.08 | 0.41 | 3.55 | 0.59 |
| 46 | 3:50 | 1.5 | 0.45 | 0.04 | 0.08 | 0.41 | 3.55 | 0.62 |
| 47 | 3:55 | 1.6 | 0.48 | 0.04 | 0.09 | 0.44 | 3.81 | 0.64 |
| 48 | 4:00 | 1.6 | 0.48 | 0.04 | 0.09 | 0.44 | 3.81 | 0.67 |
| 49 | 4:05 | 1.7 | 0.51 | 0.04 | 0.09 | 0.47 | 4.07 | 0.70 |
| 50 | 4:10 | 1.8 | 0.54 | 0.04 | 0.10 | 0.50 | 4.33 | 0.72 |
| 51 | 4:15 | 1.9 | 0.57 | 0.04 | 0.10 | 0.53 | 4.59 | 0.75 |
| 52 | 4:20 | 2.0 | 0.60 | 0.04 | 0.11 | 0.56 | 4.84 | 0.79 |
| 53 | 4:25 | 2.1 | 0.63 | 0.04 | 0.11 | 0.59 | 5.10 | 0.82 |
| 54 | 4:30 | 2.1 | 0.63 | 0.04 | 0.11 | 0.59 | 5.10 | 0.86 |
| 55 | 4:35 | 2.2 | 0.66 | 0.04 | 0.12 | 0.62 | 5.36 | 0.89 |
| 56 | 4:40 | 2.3 | 0.69 | 0.04 | 0.12 | 0.65 | 5.62 | 0.93 |
| 57 | 4:45 | 2.4 | 0.72 | 0.04 | 0.13 | 0.68 | 5.88 | 0.97 |
| 58 | 4:50 | 2.4 | 0.72 | 0.04 | 0.13 | 0.68 | 5.88 | 1.01 |
| 59 | 4:55 | 2.5 | 0.75 | 0.04 | 0.14 | 0.71 | 6.14 | 1.05 |
| 60 | 5:00 | 2.6 | 0.78 | 0.04 | 0.14 | 0.74 | 6.40 | 1.10 |
| 61 | 5:05 | 3.1 | 0.93 | 0.04 | 0.17 | 0.89 | 7.70 | 1.14 |
| 62 | 5:10 | 3.6 | 1.08 | 0.04 | 0.19 | 1.04 | 9.00 | 1.20 |
| 63 | 5:15 | 3.9 | 1.17 | 0.04 | 0.21 | 1.13 | 9.78 | 1.27 |
| 64 | 5:20 | 4.2 | 1.26 | 0.04 | 0.23 | 1.22 | 10.55 | 1.34 |
| 65 | 5:25 | 4.7 | 1.41 | 0.04 | 0.25 | 1.37 | 11.85 | 1.41 |
| 66 | 5:30 | 5.6 | 1.68 | 0.04 | 0.30 | 1.64 | 14.19 | 1.50 |
| 67 | 5:35 | 1.9 | 0.57 | 0.04 | 0.10 | 0.53 | 4.59 | 1.57 |
| 68 | 5:40 | 0.9 | 0.27 | 0.04 | 0.05 | 0.23 | 1.99 | 1.59 |
| 69 | 5:45 | 0.6 | 0.18 | 0.04 | 0.03 | 0.14 | 1.21 | 1.60 |
| 70 | 5:50 | 0.5 | 0.15 | 0.04 | 0.03 | 0.11 | 0.95 | 1.61 |
| 71 | 5:55 | 0.3 | 0.09 | 0.04 | 0.02 | 0.05 | 0.43 | 1.61 |
| 72 | 6:00 | 0.2 | 0.06 | 0.04 | 0.01 | 0.02 | 0.17 | 1.62 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.7 |
| AMC | | II |
| RI | | 69.0 |
| Fp | (in/hr) | 0.40 |
| At | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.08 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.10 | 0.08 | 0.02 | 0.03 | 0.22 | 0.00 |
| 2 | 0:10 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.40 | 0.00 |
| 3 | 0:15 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.40 | 0.01 |
| 4 | 0:20 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.40 | 0.01 |
| 5 | 0:25 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.40 | 0.01 |
| 6 | 0:30 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.58 | 0.01 |
| 7 | 0:35 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.58 | 0.02 |
| 8 | 0:40 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.58 | 0.02 |
| 9 | 0:45 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.58 | 0.03 |
| 10 | 0:50 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.58 | 0.03 |
| 11 | 0:55 | 0.7 | 0.14 | 0.08 | 0.03 | 0.07 | 0.58 | 0.03 |
| 12 | 1:00 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.75 | 0.04 |
| 13 | 1:05 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.75 | 0.04 |
| 14 | 1:10 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.75 | 0.05 |
| 15 | 1:15 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.75 | 0.05 |
| 16 | 1:20 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.75 | 0.06 |
| 17 | 1:25 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.75 | 0.07 |
| 18 | 1:30 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.75 | 0.07 |
| 19 | 1:35 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.75 | 0.08 |
| 20 | 1:40 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.75 | 0.08 |
| 21 | 1:45 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.75 | 0.09 |
| 22 | 1:50 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.75 | 0.09 |
| 23 | 1:55 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.75 | 0.10 |
| 24 | 2:00 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.93 | 0.10 |
| 25 | 2:05 | 0.8 | 0.16 | 0.08 | 0.03 | 0.09 | 0.75 | 0.11 |
| 26 | 2:10 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.93 | 0.11 |
| 27 | 2:15 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.93 | 0.12 |
| 28 | 2:20 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.93 | 0.13 |
| 29 | 2:25 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.93 | 0.13 |
| 30 | 2:30 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.93 | 0.14 |
| 31 | 2:35 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.93 | 0.15 |
| 32 | 2:40 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.93 | 0.15 |
| 33 | 2:45 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 1.11 | 0.16 |
| 34 | 2:50 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 1.11 | 0.17 |
| 35 | 2:55 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 1.11 | 0.17 |
| 36 | 3:00 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 1.11 | 0.18 |
| 37 | 3:05 | 1.0 | 0.20 | 0.08 | 0.04 | 0.13 | 1.11 | 0.19 |
| 38 | 3:10 | 1.1 | 0.22 | 0.08 | 0.04 | 0.15 | 1.28 | 0.20 |
| 39 | 3:15 | 1.1 | 0.22 | 0.08 | 0.04 | 0.15 | 1.28 | 0.21 |
| 40 | 3:20 | 1.1 | 0.22 | 0.08 | 0.04 | 0.15 | 1.28 | 0.22 |
| 41 | 3:25 | 1.2 | 0.24 | 0.08 | 0.04 | 0.17 | 1.46 | 0.22 |
| 42 | 3:30 | 1.3 | 0.27 | 0.08 | 0.05 | 0.19 | 1.64 | 0.24 |
| 43 | 3:35 | 1.4 | 0.29 | 0.08 | 0.05 | 0.21 | 1.81 | 0.25 |
| 44 | 3:40 | 1.4 | 0.29 | 0.08 | 0.05 | 0.21 | 1.81 | 0.26 |
| 45 | 3:45 | 1.5 | 0.31 | 0.08 | 0.06 | 0.23 | 1.99 | 0.27 |
| 46 | 3:50 | 1.5 | 0.31 | 0.08 | 0.06 | 0.23 | 1.99 | 0.29 |
| 47 | 3:55 | 1.6 | 0.33 | 0.08 | 0.06 | 0.25 | 2.17 | 0.30 |
| 48 | 4:00 | 1.6 | 0.33 | 0.08 | 0.06 | 0.25 | 2.17 | 0.32 |
| 49 | 4:05 | 1.7 | 0.35 | 0.08 | 0.06 | 0.27 | 2.34 | 0.33 |
| 50 | 4:10 | 1.8 | 0.37 | 0.08 | 0.07 | 0.29 | 2.52 | 0.35 |
| 51 | 4:15 | 1.9 | 0.39 | 0.08 | 0.07 | 0.31 | 2.70 | 0.37 |
| 52 | 4:20 | 2.0 | 0.41 | 0.08 | 0.07 | 0.33 | 2.87 | 0.39 |
| 53 | 4:25 | 2.1 | 0.43 | 0.08 | 0.08 | 0.35 | 3.05 | 0.41 |
| 54 | 4:30 | 2.1 | 0.43 | 0.08 | 0.08 | 0.35 | 3.05 | 0.43 |
| 55 | 4:35 | 2.2 | 0.45 | 0.08 | 0.08 | 0.37 | 3.22 | 0.45 |
| 56 | 4:40 | 2.3 | 0.47 | 0.08 | 0.08 | 0.39 | 3.40 | 0.47 |
| 57 | 4:45 | 2.4 | 0.49 | 0.08 | 0.09 | 0.41 | 3.58 | 0.50 |
| 58 | 4:50 | 2.4 | 0.49 | 0.08 | 0.09 | 0.41 | 3.58 | 0.52 |
| 59 | 4:55 | 2.5 | 0.51 | 0.08 | 0.09 | 0.43 | 3.75 | 0.55 |
| 60 | 5:00 | 2.6 | 0.53 | 0.08 | 0.10 | 0.45 | 3.93 | 0.57 |
| 61 | 5:05 | 3.1 | 0.63 | 0.08 | 0.11 | 0.56 | 4.81 | 0.60 |
| 62 | 5:10 | 3.6 | 0.73 | 0.08 | 0.13 | 0.66 | 5.70 | 0.64 |
| 63 | 5:15 | 3.9 | 0.80 | 0.08 | 0.14 | 0.72 | 6.22 | 0.68 |
| 64 | 5:20 | 4.2 | 0.86 | 0.08 | 0.15 | 0.78 | 6.75 | 0.72 |
| 65 | 5:25 | 4.7 | 0.96 | 0.08 | 0.17 | 0.88 | 7.64 | 0.77 |
| 66 | 5:30 | 5.6 | 1.14 | 0.08 | 0.21 | 1.07 | 9.22 | 0.83 |
| 67 | 5:35 | 1.9 | 0.39 | 0.08 | 0.07 | 0.31 | 2.70 | 0.87 |
| 68 | 5:40 | 0.9 | 0.18 | 0.08 | 0.03 | 0.11 | 0.93 | 0.88 |
| 69 | 5:45 | 0.6 | 0.12 | 0.08 | 0.02 | 0.05 | 0.40 | 0.89 |
| 70 | 5:50 | 0.5 | 0.10 | 0.08 | 0.02 | 0.03 | 0.22 | 0.89 |
| 71 | 5:55 | 0.3 | 0.06 | 0.08 | 0.01 | 0.05 | 0.43 | 0.89 |
| 72 | 6:00 | 0.2 | 0.04 | 0.08 | 0.01 | 0.03 | 0.29 | 0.90 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.4 |
| AMC | | I |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.08 | 0.11 | 0.02 | 0.07 | 0.60 | 0.00 |
| 2 | 0:10 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.71 | 0.01 |
| 3 | 0:15 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.71 | 0.01 |
| 4 | 0:20 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.71 | 0.02 |
| 5 | 0:25 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.71 | 0.02 |
| 6 | 0:30 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.03 | 0.02 |
| 7 | 0:35 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.03 | 0.02 |
| 8 | 0:40 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.03 | 0.02 |
| 9 | 0:45 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.03 | 0.02 |
| 10 | 0:50 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.03 | 0.02 |
| 11 | 0:55 | 0.7 | 0.12 | 0.11 | 0.02 | 0.00 | 0.03 | 0.02 |
| 12 | 1:00 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.18 | 0.03 |
| 13 | 1:05 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.18 | 0.03 |
| 14 | 1:10 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.18 | 0.03 |
| 15 | 1:15 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.18 | 0.03 |
| 16 | 1:20 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.18 | 0.03 |
| 17 | 1:25 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.18 | 0.03 |
| 18 | 1:30 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.18 | 0.03 |
| 19 | 1:35 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.18 | 0.03 |
| 20 | 1:40 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.18 | 0.04 |
| 21 | 1:45 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.18 | 0.04 |
| 22 | 1:50 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.18 | 0.04 |
| 23 | 1:55 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.18 | 0.04 |
| 24 | 2:00 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.32 | 0.04 |
| 25 | 2:05 | 0.8 | 0.13 | 0.11 | 0.02 | 0.02 | 0.18 | 0.04 |
| 26 | 2:10 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.32 | 0.04 |
| 27 | 2:15 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.32 | 0.05 |
| 28 | 2:20 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.32 | 0.05 |
| 29 | 2:25 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.32 | 0.05 |
| 30 | 2:30 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.32 | 0.05 |
| 31 | 2:35 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.32 | 0.06 |
| 32 | 2:40 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.32 | 0.06 |
| 33 | 2:45 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.47 | 0.06 |
| 34 | 2:50 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.47 | 0.06 |
| 35 | 2:55 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.47 | 0.07 |
| 36 | 3:00 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.47 | 0.07 |
| 37 | 3:05 | 1.0 | 0.17 | 0.11 | 0.03 | 0.05 | 0.47 | 0.07 |
| 38 | 3:10 | 1.1 | 0.18 | 0.11 | 0.03 | 0.07 | 0.61 | 0.08 |
| 39 | 3:15 | 1.1 | 0.18 | 0.11 | 0.03 | 0.07 | 0.61 | 0.08 |
| 40 | 3:20 | 1.1 | 0.18 | 0.11 | 0.03 | 0.07 | 0.61 | 0.09 |
| 41 | 3:25 | 1.2 | 0.20 | 0.11 | 0.04 | 0.09 | 0.76 | 0.09 |
| 42 | 3:30 | 1.3 | 0.22 | 0.11 | 0.04 | 0.10 | 0.90 | 0.10 |
| 43 | 3:35 | 1.4 | 0.24 | 0.11 | 0.04 | 0.12 | 1.05 | 0.10 |
| 44 | 3:40 | 1.4 | 0.24 | 0.11 | 0.04 | 0.12 | 1.05 | 0.11 |
| 45 | 3:45 | 1.5 | 0.25 | 0.11 | 0.05 | 0.14 | 1.19 | 0.12 |
| 46 | 3:50 | 1.5 | 0.25 | 0.11 | 0.05 | 0.14 | 1.19 | 0.13 |
| 47 | 3:55 | 1.6 | 0.27 | 0.11 | 0.05 | 0.15 | 1.34 | 0.13 |
| 48 | 4:00 | 1.6 | 0.27 | 0.11 | 0.05 | 0.15 | 1.34 | 0.14 |
| 49 | 4:05 | 1.7 | 0.29 | 0.11 | 0.05 | 0.17 | 1.48 | 0.15 |
| 50 | 4:10 | 1.8 | 0.30 | 0.11 | 0.05 | 0.19 | 1.63 | 0.16 |
| 51 | 4:15 | 1.9 | 0.32 | 0.11 | 0.06 | 0.21 | 1.77 | 0.18 |
| 52 | 4:20 | 2.0 | 0.34 | 0.11 | 0.06 | 0.22 | 1.92 | 0.19 |
| 53 | 4:25 | 2.1 | 0.35 | 0.11 | 0.06 | 0.24 | 2.07 | 0.20 |
| 54 | 4:30 | 2.1 | 0.35 | 0.11 | 0.06 | 0.24 | 2.07 | 0.22 |
| 55 | 4:35 | 2.2 | 0.37 | 0.11 | 0.07 | 0.26 | 2.21 | 0.23 |
| 56 | 4:40 | 2.3 | 0.39 | 0.11 | 0.07 | 0.27 | 2.36 | 0.25 |
| 57 | 4:45 | 2.4 | 0.40 | 0.11 | 0.07 | 0.29 | 2.50 | 0.26 |
| 58 | 4:50 | 2.4 | 0.40 | 0.11 | 0.07 | 0.29 | 2.50 | 0.28 |
| 59 | 4:55 | 2.5 | 0.42 | 0.11 | 0.08 | 0.31 | 2.65 | 0.30 |
| 60 | 5:00 | 2.6 | 0.44 | 0.11 | 0.08 | 0.32 | 2.79 | 0.32 |
| 61 | 5:05 | 3.1 | 0.52 | 0.11 | 0.09 | 0.41 | 3.52 | 0.34 |
| 62 | 5:10 | 3.6 | 0.60 | 0.11 | 0.11 | 0.49 | 4.25 | 0.37 |
| 63 | 5:15 | 3.9 | 0.66 | 0.11 | 0.12 | 0.54 | 4.68 | 0.40 |
| 64 | 5:20 | 4.2 | 0.71 | 0.11 | 0.13 | 0.59 | 5.12 | 0.43 |
| 65 | 5:25 | 4.7 | 0.79 | 0.11 | 0.14 | 0.68 | 5.84 | 0.47 |
| 66 | 5:30 | 5.6 | 0.94 | 0.11 | 0.17 | 0.83 | 7.15 | 0.51 |
| 67 | 5:35 | 1.9 | 0.32 | 0.11 | 0.06 | 0.21 | 1.77 | 0.54 |
| 68 | 5:40 | 0.9 | 0.15 | 0.11 | 0.03 | 0.04 | 0.32 | 0.55 |
| 69 | 5:45 | 0.6 | 0.10 | 0.11 | 0.02 | 0.08 | 0.71 | 0.55 |
| 70 | 5:50 | 0.5 | 0.08 | 0.11 | 0.02 | 0.07 | 0.60 | 0.56 |
| 71 | 5:55 | 0.3 | 0.05 | 0.11 | 0.01 | 0.04 | 0.36 | 0.56 |
| 72 | 6:00 | 0.2 | 0.03 | 0.11 | 0.01 | 0.03 | 0.24 | 0.56 |

| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 6 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.0 |
| AMC | | I |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 0.5 | 0.06 | 0.11 | 0.01 | 0.05 | 0.43 | 0.00 |
| 2 | 0:10 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.51 | 0.00 |
| 3 | 0:15 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.51 | 0.01 |
| 4 | 0:20 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.51 | 0.01 |
| 5 | 0:25 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.51 | 0.02 |
| 6 | 0:30 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.60 | 0.02 |
| 7 | 0:35 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.60 | 0.02 |
| 8 | 0:40 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.60 | 0.03 |
| 9 | 0:45 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.60 | 0.03 |
| 10 | 0:50 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.60 | 0.04 |
| 11 | 0:55 | 0.7 | 0.08 | 0.11 | 0.02 | 0.07 | 0.60 | 0.04 |
| 12 | 1:00 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.68 | 0.04 |
| 13 | 1:05 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.68 | 0.05 |
| 14 | 1:10 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.68 | 0.05 |
| 15 | 1:15 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.68 | 0.06 |
| 16 | 1:20 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.68 | 0.06 |
| 17 | 1:25 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.68 | 0.07 |
| 18 | 1:30 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.68 | 0.07 |
| 19 | 1:35 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.68 | 0.08 |
| 20 | 1:40 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.68 | 0.08 |
| 21 | 1:45 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.68 | 0.09 |
| 22 | 1:50 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.68 | 0.09 |
| 23 | 1:55 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.68 | 0.10 |
| 24 | 2:00 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.77 | 0.10 |
| 25 | 2:05 | 0.8 | 0.10 | 0.11 | 0.02 | 0.08 | 0.68 | 0.11 |
| 26 | 2:10 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.77 | 0.11 |
| 27 | 2:15 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.77 | 0.12 |
| 28 | 2:20 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.77 | 0.12 |
| 29 | 2:25 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.77 | 0.13 |
| 30 | 2:30 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.77 | 0.13 |
| 31 | 2:35 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.77 | 0.14 |
| 32 | 2:40 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.77 | 0.14 |
| 33 | 2:45 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.05 | 0.14 |
| 34 | 2:50 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.05 | 0.15 |
| 35 | 2:55 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.05 | 0.15 |
| 36 | 3:00 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.05 | 0.15 |
| 37 | 3:05 | 1.0 | 0.12 | 0.11 | 0.02 | 0.01 | 0.05 | 0.15 |
| 38 | 3:10 | 1.1 | 0.13 | 0.11 | 0.02 | 0.02 | 0.16 | 0.15 |
| 39 | 3:15 | 1.1 | 0.13 | 0.11 | 0.02 | 0.02 | 0.16 | 0.15 |
| 40 | 3:20 | 1.1 | 0.13 | 0.11 | 0.02 | 0.02 | 0.16 | 0.15 |
| 41 | 3:25 | 1.2 | 0.14 | 0.11 | 0.03 | 0.03 | 0.26 | 0.15 |
| 42 | 3:30 | 1.3 | 0.16 | 0.11 | 0.03 | 0.04 | 0.36 | 0.15 |
| 43 | 3:35 | 1.4 | 0.17 | 0.11 | 0.03 | 0.05 | 0.47 | 0.16 |
| 44 | 3:40 | 1.4 | 0.17 | 0.11 | 0.03 | 0.05 | 0.47 | 0.16 |
| 45 | 3:45 | 1.5 | 0.18 | 0.11 | 0.03 | 0.07 | 0.57 | 0.16 |
| 46 | 3:50 | 1.5 | 0.18 | 0.11 | 0.03 | 0.07 | 0.57 | 0.17 |
| 47 | 3:55 | 1.6 | 0.19 | 0.11 | 0.03 | 0.08 | 0.67 | 0.17 |
| 48 | 4:00 | 1.6 | 0.19 | 0.11 | 0.03 | 0.08 | 0.67 | 0.18 |
| 49 | 4:05 | 1.7 | 0.20 | 0.11 | 0.04 | 0.09 | 0.78 | 0.18 |
| 50 | 4:10 | 1.8 | 0.22 | 0.11 | 0.04 | 0.10 | 0.88 | 0.19 |
| 51 | 4:15 | 1.9 | 0.23 | 0.11 | 0.04 | 0.11 | 0.99 | 0.19 |
| 52 | 4:20 | 2.0 | 0.24 | 0.11 | 0.04 | 0.13 | 1.09 | 0.20 |
| 53 | 4:25 | 2.1 | 0.25 | 0.11 | 0.05 | 0.14 | 1.19 | 0.21 |
| 54 | 4:30 | 2.1 | 0.25 | 0.11 | 0.05 | 0.14 | 1.19 | 0.22 |
| 55 | 4:35 | 2.2 | 0.26 | 0.11 | 0.05 | 0.15 | 1.30 | 0.22 |
| 56 | 4:40 | 2.3 | 0.28 | 0.11 | 0.05 | 0.16 | 1.40 | 0.23 |
| 57 | 4:45 | 2.4 | 0.29 | 0.11 | 0.05 | 0.17 | 1.51 | 0.24 |
| 58 | 4:50 | 2.4 | 0.29 | 0.11 | 0.05 | 0.17 | 1.51 | 0.25 |
| 59 | 4:55 | 2.5 | 0.30 | 0.11 | 0.05 | 0.19 | 1.61 | 0.26 |
| 60 | 5:00 | 2.6 | 0.31 | 0.11 | 0.06 | 0.20 | 1.71 | 0.28 |
| 61 | 5:05 | 3.1 | 0.37 | 0.11 | 0.07 | 0.26 | 2.23 | 0.29 |
| 62 | 5:10 | 3.6 | 0.43 | 0.11 | 0.08 | 0.32 | 2.75 | 0.31 |
| 63 | 5:15 | 3.9 | 0.47 | 0.11 | 0.08 | 0.35 | 3.06 | 0.33 |
| 64 | 5:20 | 4.2 | 0.50 | 0.11 | 0.09 | 0.39 | 3.37 | 0.35 |
| 65 | 5:25 | 4.7 | 0.56 | 0.11 | 0.10 | 0.45 | 3.89 | 0.37 |
| 66 | 5:30 | 5.6 | 0.67 | 0.11 | 0.12 | 0.56 | 4.83 | 0.40 |
| 67 | 5:35 | 1.9 | 0.23 | 0.11 | 0.04 | 0.11 | 0.99 | 0.42 |
| 68 | 5:40 | 0.9 | 0.11 | 0.11 | 0.02 | 0.09 | 0.77 | 0.43 |
| 69 | 5:45 | 0.6 | 0.07 | 0.11 | 0.01 | 0.06 | 0.51 | 0.43 |
| 70 | 5:50 | 0.5 | 0.06 | 0.11 | 0.01 | 0.05 | 0.43 | 0.44 |
| 71 | 5:55 | 0.3 | 0.04 | 0.11 | 0.01 | 0.03 | 0.26 | 0.44 |
| 72 | 6:00 | 0.2 | 0.02 | 0.11 | 0.00 | 0.02 | 0.17 | 0.44 |

| | | |
|---|---|---|
| Event | (year) | 100 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.9 |
| AMC | | III |
| RI | | 69.0 |
| Fp | (in/hr) | 0.21 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.04 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.30 | 0.04 | 0.05 | 0.26 | 2.22 | 0.01 |
| 2 | 0:10 | 1.3 | 0.30 | 0.04 | 0.05 | 0.26 | 2.22 | 0.02 |
| 3 | 0:15 | 1.1 | 0.25 | 0.04 | 0.05 | 0.21 | 1.82 | 0.04 |
| 4 | 0:20 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 2.61 | 0.05 |
| 5 | 0:25 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 2.61 | 0.07 |
| 6 | 0:30 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 3.20 | 0.09 |
| 7 | 0:35 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 2.61 | 0.11 |
| 8 | 0:40 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 3.20 | 0.13 |
| 9 | 0:45 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 3.20 | 0.15 |
| 10 | 0:50 | 1.5 | 0.34 | 0.04 | 0.06 | 0.30 | 2.61 | 0.17 |
| 11 | 0:55 | 1.6 | 0.36 | 0.04 | 0.07 | 0.32 | 2.81 | 0.19 |
| 12 | 1:00 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 3.20 | 0.21 |
| 13 | 1:05 | 2.2 | 0.50 | 0.04 | 0.09 | 0.46 | 3.99 | 0.24 |
| 14 | 1:10 | 2.2 | 0.50 | 0.04 | 0.09 | 0.46 | 3.99 | 0.26 |
| 15 | 1:15 | 2.2 | 0.50 | 0.04 | 0.09 | 0.46 | 3.99 | 0.29 |
| 16 | 1:20 | 2.0 | 0.46 | 0.04 | 0.08 | 0.42 | 3.60 | 0.32 |
| 17 | 1:25 | 2.6 | 0.59 | 0.04 | 0.11 | 0.55 | 4.78 | 0.35 |
| 18 | 1:30 | 2.7 | 0.62 | 0.04 | 0.11 | 0.58 | 4.98 | 0.38 |
| 19 | 1:35 | 2.4 | 0.55 | 0.04 | 0.10 | 0.51 | 4.39 | 0.41 |
| 20 | 1:40 | 2.7 | 0.62 | 0.04 | 0.11 | 0.58 | 4.98 | 0.44 |
| 21 | 1:45 | 3.3 | 0.75 | 0.04 | 0.14 | 0.71 | 6.16 | 0.48 |
| 22 | 1:50 | 3.1 | 0.71 | 0.04 | 0.13 | 0.67 | 5.77 | 0.52 |
| 23 | 1:55 | 2.9 | 0.66 | 0.04 | 0.12 | 0.62 | 5.37 | 0.56 |
| 24 | 2:00 | 3.0 | 0.68 | 0.04 | 0.12 | 0.64 | 5.57 | 0.60 |
| 25 | 2:05 | 3.1 | 0.71 | 0.04 | 0.13 | 0.67 | 5.77 | 0.64 |
| 26 | 2:10 | 4.2 | 0.96 | 0.04 | 0.17 | 0.92 | 7.94 | 0.69 |
| 27 | 2:15 | 5.0 | 1.14 | 0.04 | 0.21 | 1.10 | 9.52 | 0.75 |
| 28 | 2:20 | 3.5 | 0.80 | 0.04 | 0.14 | 0.76 | 6.56 | 0.80 |
| 29 | 2:25 | 6.8 | 1.55 | 0.04 | 0.28 | 1.51 | 13.07 | 0.87 |
| 30 | 2:30 | 7.3 | 1.66 | 0.04 | 0.30 | 1.62 | 14.05 | 0.96 |
| 31 | 2:35 | 8.2 | 1.87 | 0.04 | 0.34 | 1.83 | 15.83 | 1.07 |
| 32 | 2:40 | 5.9 | 1.35 | 0.04 | 0.24 | 1.31 | 11.29 | 1.16 |
| 33 | 2:45 | 2.0 | 0.46 | 0.04 | 0.08 | 0.42 | 3.60 | 1.21 |
| 34 | 2:50 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 3.20 | 1.23 |
| 35 | 2:55 | 1.8 | 0.41 | 0.04 | 0.07 | 0.37 | 3.20 | 1.26 |
| 36 | 3:00 | 0.6 | 0.14 | 0.04 | 0.02 | 0.10 | 0.84 | 1.27 |

| | | |
|---|---|---|
| Event | (year) | 10 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.3 |
| AMC | | II |
| RI | | 69.0 |
| Fp | (in/hr) | 0.40 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.08 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.20 | 0.08 | 0.04 | 0.13 | 1.10 | 0.00 |
| 2 | 0:10 | 1.3 | 0.20 | 0.08 | 0.04 | 0.13 | 1.10 | 0.01 |
| 3 | 0:15 | 1.1 | 0.17 | 0.08 | 0.03 | 0.10 | 0.83 | 0.02 |
| 4 | 0:20 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 1.37 | 0.03 |
| 5 | 0:25 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 1.37 | 0.03 |
| 6 | 0:30 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.77 | 0.05 |
| 7 | 0:35 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 1.37 | 0.06 |
| 8 | 0:40 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.77 | 0.07 |
| 9 | 0:45 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.77 | 0.08 |
| 10 | 0:50 | 1.5 | 0.23 | 0.08 | 0.04 | 0.16 | 1.37 | 0.09 |
| 11 | 0:55 | 1.6 | 0.25 | 0.08 | 0.04 | 0.17 | 1.50 | 0.10 |
| 12 | 1:00 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.77 | 0.11 |
| 13 | 1:05 | 2.2 | 0.34 | 0.08 | 0.06 | 0.27 | 2.31 | 0.13 |
| 14 | 1:10 | 2.2 | 0.34 | 0.08 | 0.06 | 0.27 | 2.31 | 0.14 |
| 15 | 1:15 | 2.2 | 0.34 | 0.08 | 0.06 | 0.27 | 2.31 | 0.16 |
| 16 | 1:20 | 2.0 | 0.31 | 0.08 | 0.06 | 0.24 | 2.04 | 0.17 |
| 17 | 1:25 | 2.6 | 0.41 | 0.08 | 0.07 | 0.33 | 2.85 | 0.19 |
| 18 | 1:30 | 2.7 | 0.42 | 0.08 | 0.08 | 0.35 | 2.99 | 0.21 |
| 19 | 1:35 | 2.4 | 0.37 | 0.08 | 0.07 | 0.30 | 2.58 | 0.23 |
| 20 | 1:40 | 2.7 | 0.42 | 0.08 | 0.08 | 0.35 | 2.99 | 0.25 |
| 21 | 1:45 | 3.3 | 0.51 | 0.08 | 0.09 | 0.44 | 3.80 | 0.27 |
| 22 | 1:50 | 3.1 | 0.48 | 0.08 | 0.09 | 0.41 | 3.53 | 0.30 |
| 23 | 1:55 | 2.9 | 0.45 | 0.08 | 0.08 | 0.38 | 3.26 | 0.32 |
| 24 | 2:00 | 3.0 | 0.47 | 0.08 | 0.08 | 0.39 | 3.39 | 0.34 |
| 25 | 2:05 | 3.1 | 0.48 | 0.08 | 0.09 | 0.41 | 3.53 | 0.37 |
| 26 | 2:10 | 4.2 | 0.66 | 0.08 | 0.12 | 0.58 | 5.01 | 0.40 |
| 27 | 2:15 | 5.0 | 0.78 | 0.08 | 0.14 | 0.70 | 6.09 | 0.43 |
| 28 | 2:20 | 3.5 | 0.55 | 0.08 | 0.10 | 0.47 | 4.07 | 0.47 |
| 29 | 2:25 | 6.8 | 1.06 | 0.08 | 0.19 | 0.98 | 8.52 | 0.51 |
| 30 | 2:30 | 7.3 | 1.14 | 0.08 | 0.20 | 1.06 | 9.19 | 0.57 |
| 31 | 2:35 | 8.2 | 1.28 | 0.08 | 0.23 | 1.20 | 10.41 | 0.64 |
| 32 | 2:40 | 5.9 | 0.92 | 0.08 | 0.17 | 0.84 | 7.30 | 0.70 |
| 33 | 2:45 | 2.0 | 0.31 | 0.08 | 0.06 | 0.24 | 2.04 | 0.73 |
| 34 | 2:50 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.77 | 0.75 |
| 35 | 2:55 | 1.8 | 0.28 | 0.08 | 0.05 | 0.20 | 1.77 | 0.76 |
| 36 | 3:00 | 0.6 | 0.09 | 0.08 | 0.02 | 0.02 | 0.15 | 0.77 |

| | | |
|---|---|---|
| Event | (year) | 5 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 1.1 |
| AMC | | 1 |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

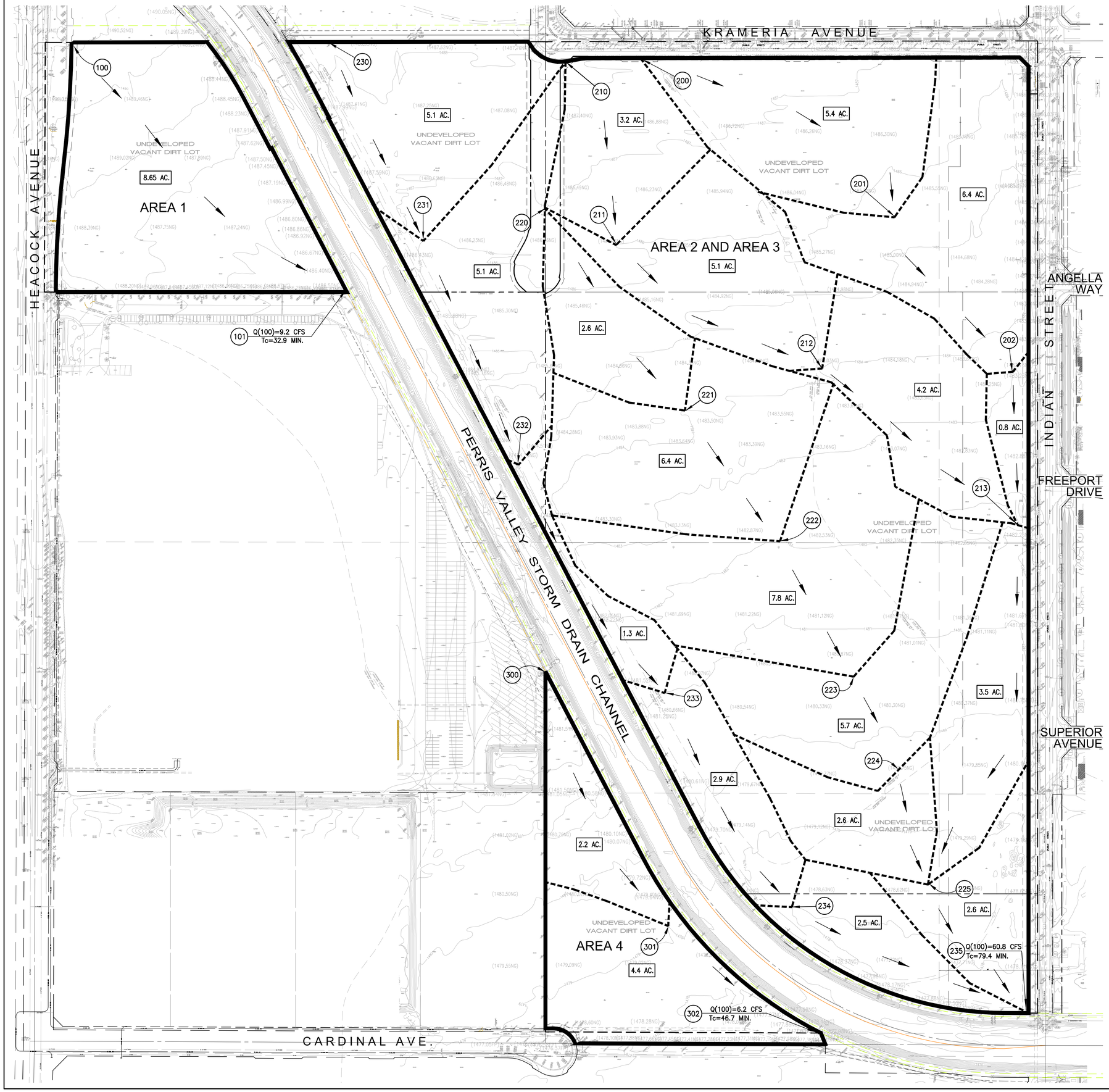
| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.17 | 0.11 | 0.03 | 0.06 | 0.50 | 0.00 |
| 2 | 0:10 | 1.3 | 0.17 | 0.11 | 0.03 | 0.06 | 0.50 | 0.01 |
| 3 | 0:15 | 1.1 | 0.15 | 0.11 | 0.03 | 0.03 | 0.27 | 0.01 |
| 4 | 0:20 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 0.73 | 0.01 |
| 5 | 0:25 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 0.73 | 0.02 |
| 6 | 0:30 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 1.07 | 0.02 |
| 7 | 0:35 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 0.73 | 0.03 |
| 8 | 0:40 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 1.07 | 0.03 |
| 9 | 0:45 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 1.07 | 0.04 |
| 10 | 0:50 | 1.5 | 0.20 | 0.11 | 0.04 | 0.08 | 0.73 | 0.05 |
| 11 | 0:55 | 1.6 | 0.21 | 0.11 | 0.04 | 0.10 | 0.84 | 0.05 |
| 12 | 1:00 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 1.07 | 0.06 |
| 13 | 1:05 | 2.2 | 0.29 | 0.11 | 0.05 | 0.18 | 1.53 | 0.07 |
| 14 | 1:10 | 2.2 | 0.29 | 0.11 | 0.05 | 0.18 | 1.53 | 0.08 |
| 15 | 1:15 | 2.2 | 0.29 | 0.11 | 0.05 | 0.18 | 1.53 | 0.09 |
| 16 | 1:20 | 2.0 | 0.26 | 0.11 | 0.05 | 0.15 | 1.30 | 0.10 |
| 17 | 1:25 | 2.6 | 0.34 | 0.11 | 0.06 | 0.23 | 1.98 | 0.11 |
| 18 | 1:30 | 2.7 | 0.36 | 0.11 | 0.06 | 0.24 | 2.10 | 0.13 |
| 19 | 1:35 | 2.4 | 0.32 | 0.11 | 0.06 | 0.20 | 1.75 | 0.14 |
| 20 | 1:40 | 2.7 | 0.36 | 0.11 | 0.06 | 0.24 | 2.10 | 0.15 |
| 21 | 1:45 | 3.3 | 0.44 | 0.11 | 0.08 | 0.32 | 2.78 | 0.17 |
| 22 | 1:50 | 3.1 | 0.41 | 0.11 | 0.07 | 0.30 | 2.55 | 0.19 |
| 23 | 1:55 | 2.9 | 0.38 | 0.11 | 0.07 | 0.27 | 2.33 | 0.20 |
| 24 | 2:00 | 3.0 | 0.40 | 0.11 | 0.07 | 0.28 | 2.44 | 0.22 |
| 25 | 2:05 | 3.1 | 0.41 | 0.11 | 0.07 | 0.30 | 2.55 | 0.24 |
| 26 | 2:10 | 4.2 | 0.55 | 0.11 | 0.10 | 0.44 | 3.81 | 0.26 |
| 27 | 2:15 | 5.0 | 0.66 | 0.11 | 0.12 | 0.55 | 4.72 | 0.29 |
| 28 | 2:20 | 3.5 | 0.46 | 0.11 | 0.08 | 0.35 | 3.01 | 0.32 |
| 29 | 2:25 | 6.8 | 0.90 | 0.11 | 0.16 | 0.78 | 6.78 | 0.35 |
| 30 | 2:30 | 7.3 | 0.96 | 0.11 | 0.17 | 0.85 | 7.35 | 0.40 |
| 31 | 2:35 | 8.2 | 1.08 | 0.11 | 0.19 | 0.97 | 8.38 | 0.45 |
| 32 | 2:40 | 5.9 | 0.78 | 0.11 | 0.14 | 0.66 | 5.75 | 0.50 |
| 33 | 2:45 | 2.0 | 0.26 | 0.11 | 0.05 | 0.15 | 1.30 | 0.52 |
| 34 | 2:50 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 1.07 | 0.53 |
| 35 | 2:55 | 1.8 | 0.24 | 0.11 | 0.04 | 0.12 | 1.07 | 0.54 |
| 36 | 3:00 | 0.6 | 0.08 | 0.11 | 0.01 | 0.06 | 0.56 | 0.55 |

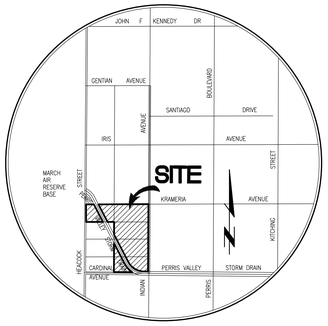
| | | |
|---|---|---|
| Event | (year) | 2 |
| Duration | (hour) | 3 |
| Interval | (minute) | 5 |
| Area | (acres) | 8.7 |
| Soil | | C |
| Cover | | Commercial |
| Rainfall | (inches) | 0.8 |
| AMC | | 1 |
| RI | | 69.0 |
| Fp | (in/hr) | 0.60 |
| Ai | (decimal) | 0.90 |
| Low Loss | (decimal) | 0.18 |
| F | (in/hr) | 0.11 |

| Period | Time (hh:mm) | Rainfall Pattern (percent) | Rainfall Intensity (in/hr) | F Loss (in/hr) | Low Loss (in/hr) | Effective Rainfall (in/hr) | Peak Flow (cfs) | Cumulative Volume (ac-ft) |
|---|---|---|---|---|---|---|---|---|
| 0 | 0:00 | 0.0 | 0.00 | 0.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1 | 0:05 | 1.3 | 0.12 | 0.11 | 0.02 | 0.01 | 0.09 | 0.00 |
| 2 | 0:10 | 1.3 | 0.12 | 0.11 | 0.02 | 0.01 | 0.09 | 0.00 |
| 3 | 0:15 | 1.1 | 0.11 | 0.11 | 0.02 | 0.09 | 0.75 | 0.00 |
| 4 | 0:20 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 0.26 | 0.01 |
| 5 | 0:25 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 0.26 | 0.01 |
| 6 | 0:30 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.51 | 0.01 |
| 7 | 0:35 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 0.26 | 0.01 |
| 8 | 0:40 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.51 | 0.02 |
| 9 | 0:45 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.51 | 0.02 |
| 10 | 0:50 | 1.5 | 0.14 | 0.11 | 0.03 | 0.03 | 0.26 | 0.02 |
| 11 | 0:55 | 1.6 | 0.15 | 0.11 | 0.03 | 0.04 | 0.34 | 0.03 |
| 12 | 1:00 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.51 | 0.03 |
| 13 | 1:05 | 2.2 | 0.21 | 0.11 | 0.04 | 0.10 | 0.84 | 0.03 |
| 14 | 1:10 | 2.2 | 0.21 | 0.11 | 0.04 | 0.10 | 0.84 | 0.04 |
| 15 | 1:15 | 2.2 | 0.21 | 0.11 | 0.04 | 0.10 | 0.84 | 0.04 |
| 16 | 1:20 | 2.0 | 0.19 | 0.11 | 0.03 | 0.08 | 0.67 | 0.05 |
| 17 | 1:25 | 2.6 | 0.25 | 0.11 | 0.04 | 0.14 | 1.17 | 0.06 |
| 18 | 1:30 | 2.7 | 0.26 | 0.11 | 0.05 | 0.15 | 1.26 | 0.06 |
| 19 | 1:35 | 2.4 | 0.23 | 0.11 | 0.04 | 0.12 | 1.01 | 0.07 |
| 20 | 1:40 | 2.7 | 0.26 | 0.11 | 0.05 | 0.15 | 1.26 | 0.08 |
| 21 | 1:45 | 3.3 | 0.32 | 0.11 | 0.06 | 0.20 | 1.75 | 0.09 |
| 22 | 1:50 | 3.1 | 0.30 | 0.11 | 0.05 | 0.18 | 1.59 | 0.10 |
| 23 | 1:55 | 2.9 | 0.28 | 0.11 | 0.05 | 0.16 | 1.42 | 0.11 |
| 24 | 2:00 | 3.0 | 0.29 | 0.11 | 0.05 | 0.17 | 1.51 | 0.12 |
| 25 | 2:05 | 3.1 | 0.30 | 0.11 | 0.05 | 0.18 | 1.59 | 0.13 |
| 26 | 2:10 | 4.2 | 0.40 | 0.11 | 0.07 | 0.29 | 2.50 | 0.15 |
| 27 | 2:15 | 5.0 | 0.48 | 0.11 | 0.09 | 0.37 | 3.17 | 0.17 |
| 28 | 2:20 | 3.5 | 0.34 | 0.11 | 0.06 | 0.22 | 1.92 | 0.18 |
| 29 | 2:25 | 6.8 | 0.65 | 0.11 | 0.12 | 0.54 | 4.66 | 0.21 |
| 30 | 2:30 | 7.3 | 0.70 | 0.11 | 0.13 | 0.59 | 5.08 | 0.24 |
| 31 | 2:35 | 8.2 | 0.79 | 0.11 | 0.14 | 0.67 | 5.82 | 0.28 |
| 32 | 2:40 | 5.9 | 0.57 | 0.11 | 0.10 | 0.45 | 3.91 | 0.31 |
| 33 | 2:45 | 2.0 | 0.19 | 0.11 | 0.03 | 0.08 | 0.67 | 0.33 |
| 34 | 2:50 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.51 | 0.33 |
| 35 | 2:55 | 1.8 | 0.17 | 0.11 | 0.03 | 0.06 | 0.51 | 0.33 |
| 36 | 3:00 | 0.6 | 0.06 | 0.11 | 0.01 | 0.05 | 0.41 | 0.34 |

# APPENDIX E

# HYDROLOGY MAPS




VICINITY MAP

N.T.S.

LEGEND

| | |
|---|---|
| | PROJECT BOUNDARY |
| | SUBAREA BOUNDARY |
| 1.00 AC. | SUBAREA AREA |
| 100 | NODE NUMBER |
| | FLOW ARROW |

0 50 100 200 300

SCALE:1"=100'

Last Update:3/10/16
O:\2800-2899\2890\2890d\2890D-HYD-EX.dwg

PREPARED FOR:

PROLOGIS, INC.
17777 CENTER COURT DRIVE NORTH, SUITE 100
CERRITOS, CA 90703
PHONE: (562) 345-9200
FAX: (562) 345-9201

Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14,349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

Designed by
Date
Checked by
Date
Designed by
Date
Checked by
Date

Approved by Date

Public Works Director R.C.E. XXXXX

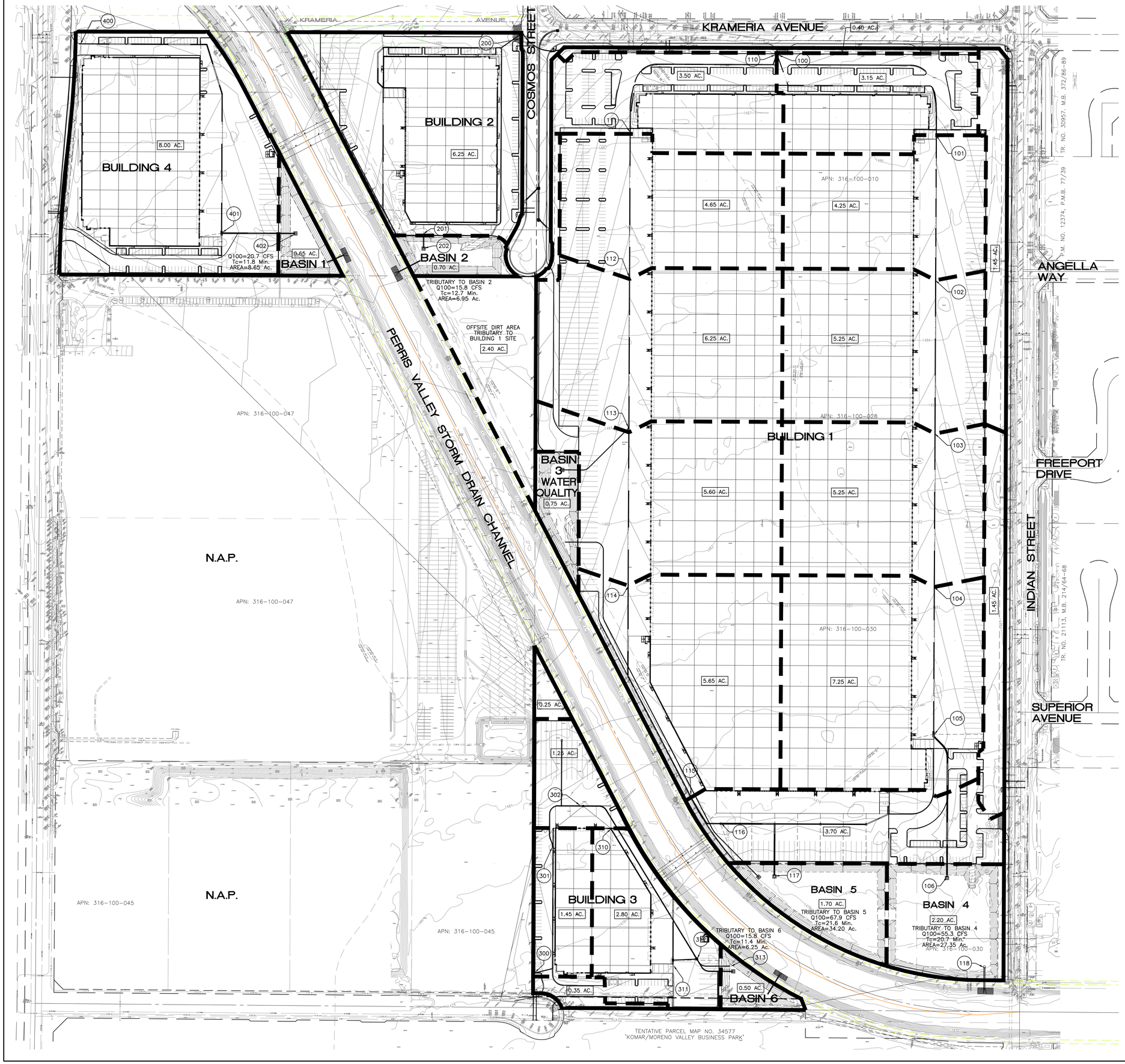
Sheet 1 of 1 Sheets

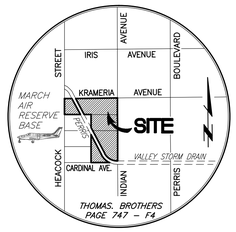
CITY OF MORENO VALLEY
PUBLIC WORKS DEPARTMENT

# EXISTING CONDITION HYDROLOGY MAP

## MORENO VALLEY LOGISTICS CENTER
## INDIAN STREET AND KRAMERIA AVENUE

SHEET 1 OF 1 SHEETS




VICINITY MAP

NOT TO SCALE

| LEGEND | |
|---|---|
| ▬▬ | PROJECT BOUNDARY |
| ▬ ▬ | SUBAREA BOUNDARY |
| 1.00 AC. | SUBAREA AREA |
| (100) | NODE NUMBER |
| → | FLOW DIRECTION |

0 50 100 200 300

SCALE:1"=100'

Last Update:3/10/16
O:\2800-2899\2890\2890d\2890D-HYD.dwg

**PREPARED FOR:**

PROLOGIS, INC.
17777 CENTER COURT DRIVE NORTH, SUITE 100
CERRITOS, CA 90703
PHONE: (562) 345-9200
FAX: (562) 345-9201

Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

Designed by
Date
Checked by
Date
Designed by
Date
Checked by
Date

Approved by Date

Public Works Director R.C.E. XXXXX

Sheet 1 of 1 Sheets

# CITY OF MORENO VALLEY

PUBLIC WORKS DEPARTMENT

## PROPOSED CONDITION HYDROLOGY MAP

### MORENO VALLEY LOGISTICS CENTER

### INDIAN STREET AND KRAMERIA AVENUE

2890D/1 OF 1 SHEET