

Drainage Report

For

Jamey South Parking Lot

Bryant, Saline County, Arkansas



August 5, 2025

Prepared by:

RICHARDSON ENGINEERING, PLLC

**325 W. South St.
Benton, AR 72015
501-315-7225**

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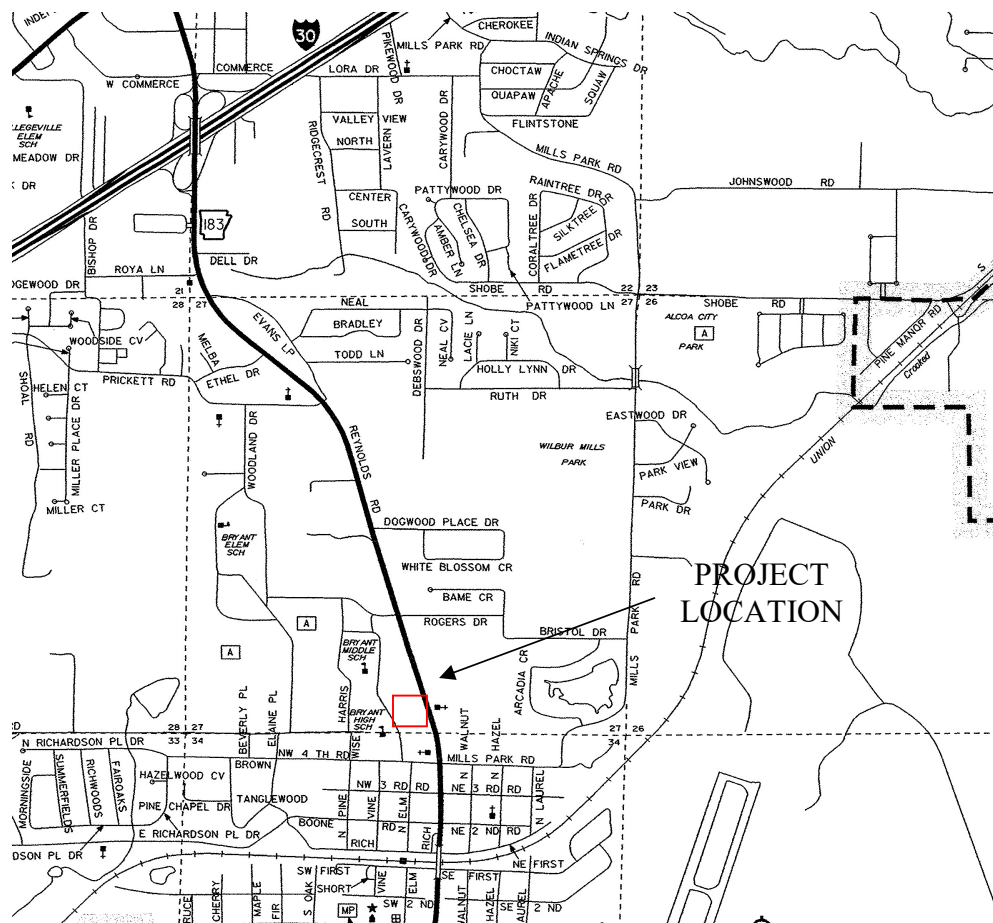
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Project Owner Information

Jamey South
515 N Reynolds Road
Bryant, AR 72022

Project Location and Description

The project is located on West side of N Reynolds Road, part of the Southwest Quarter of the Southeast Quarter, Section 27, Township 1-S, Range 14-W, Saline County, Arkansas.



Vicinity Map – N.T.S

This project is a proposed Commercial Development for a parking lot, located in the City of Bryant, Saline County.

Site Drainage

Pre-Development

The pre-developed runoff for the site flows to the west. The pre-development runoff condition consists of a mix of a small commercial development as well as a portion of undeveloped wooded property.

Post-Development

The site drainage starts on the East side of the project and flows to the West. The drainage is sheet flows across the proposed driving surface and is discharged into a proposed detention basin on the West side of the project. The proposed detention basin will utilize a riser/orifice/culvert discharge structure. Post-Development Basin A is the drainage basin that discharges water into the proposed detention basin and Post-Development Basin B are the grass tie back slopes from the proposed pavement to existing grade. This area is not routed through the detention basin, so it was calculated by itself. The post-development runoff conditions changed from developed/undeveloped to commercial development.

Runoff Summary

Basin Design Point

Development Drainage Study Area = 0.56 Ac

Existing Condition runoff Coefficient: $C = 0.61$

Proposed runoff Coefficient: $C = 0.95$

Tc Undeveloped = 9 Minutes (TR55 Method)

Tc Developed = 5 Minutes

Detention Basin Required Volume: 1,685 CF

Detention Basin Volume: 2,265 CF

Maximum Storage: 963 CF

Discharge Structure: Riser/Culvert/Orifice

| Design Storm | Pre-Development Flow Rate (cfs) | Post-Development Flow Rate (cfs) | Post-Development w/ Detention Flow Rate (cfs) |
|--------------|------------------------------------|-------------------------------------|---|
| 2-yr | 1.61 | 2.86 | 1.38 |
| 10-yr | 2.15 | 3.83 | 1.72 |
| 25-yr | 2.47 | 4.39 | 1.88 |
| 50-yr | 2.71 | 4.80 | 1.95 |
| 100-yr | 2.94 | 5.22 | 2.10 |

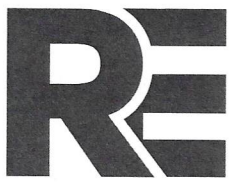
Recommendations/Summary

The proposed drainage improvements include a small detention basin on the West side of the project. The proposed detention basin releases the post development runoff at a lower rate than the pre-development condition.

Appendices

Runoff Coefficient Calculations
Site Drainage Map
Pond and Post Development Hydrographs (Hydrology Studio)

Runoff Coefficient Calculations



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Planning • Engineering • Development Consulting

325 West South Street
Benton, AR 72015

(501) 315-7225

(1/1)

PROJECT 025-007 DRAINAGE CALCULATIONS

DATE 05/02/2025

EXISTING C:

DEVELOPED: 0.16

C = 0.95

UNDEVELOPED: 0.40

C = 0.47

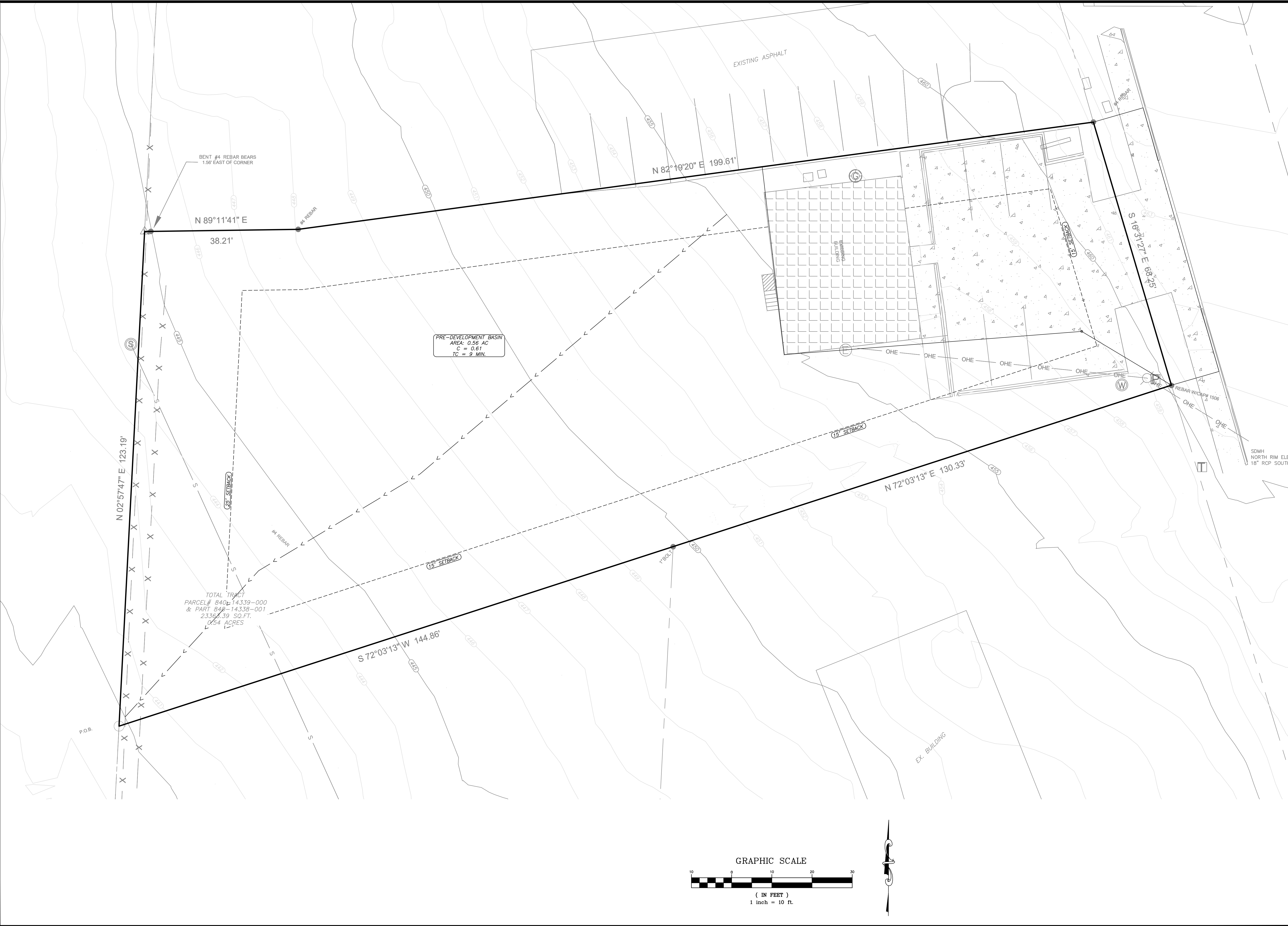
(AVERAGE 2-7%
FOREST / WOODLANDS)

$$C = \frac{(0.16)(0.95) + (0.40)(0.47)}{0.56} = \underline{0.61}$$

POST-DEV

C = 0.95

Site Drainage Basin Maps



PROJECT #: 025-007

Date: 08-05/2025

Scale: 1" = 10'

Sheet: 1 of 2

Prepared For: JAMEY SOUTH

515 N. REYNOLDS ROAD

BRYANT, AR 72022

PRE-DEVELOPMENT DRAINAGE BASIN

STATE FARM – JAMEY SOUTH

PROPOSED PARKING LOT

515 N. REYNOLDS ROAD

BRYANT, ARKANSAS

RE

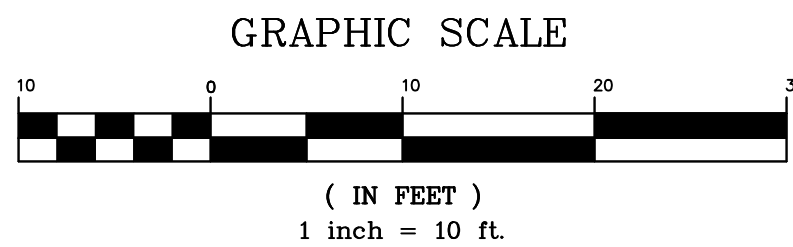
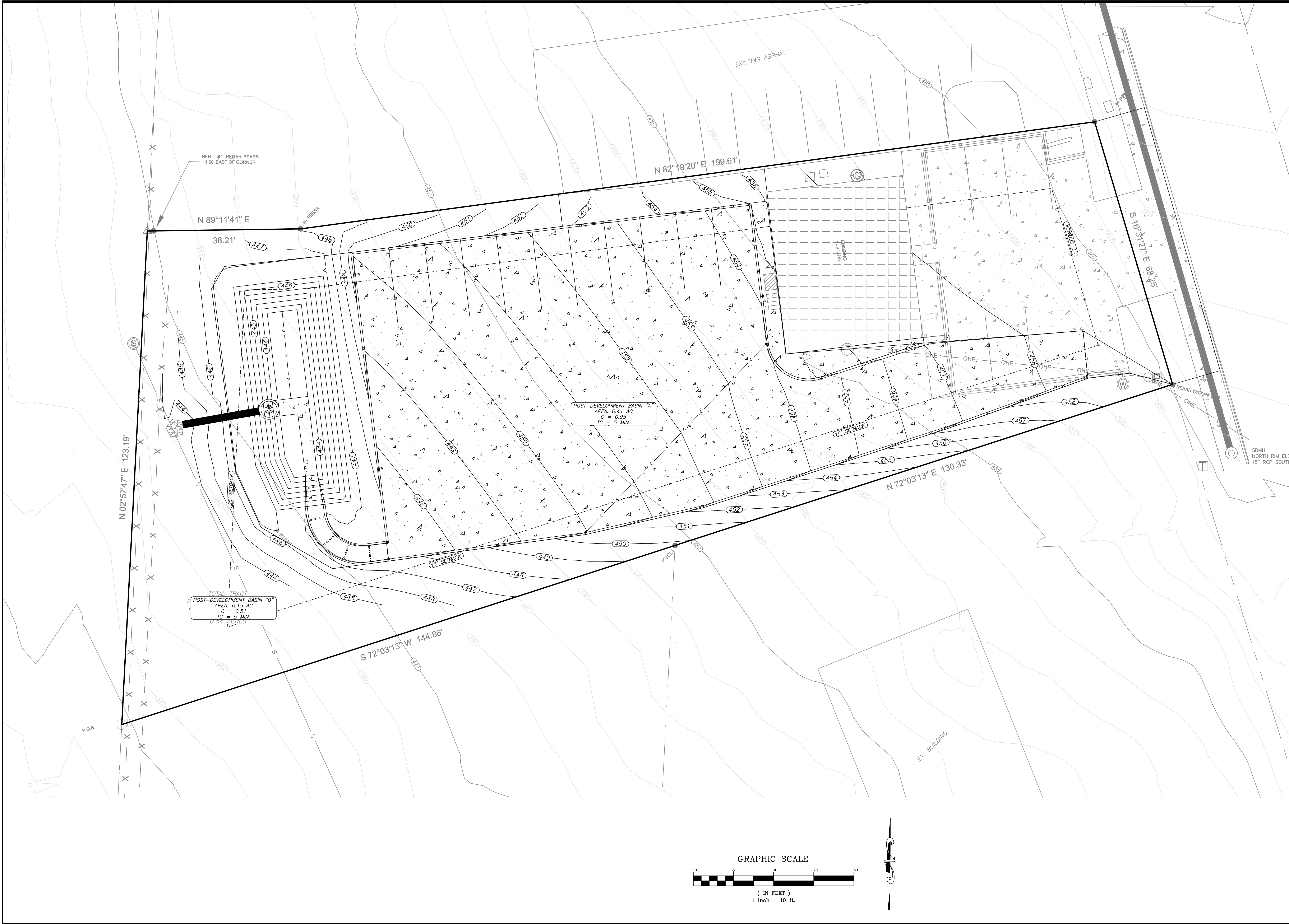
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PROJECT #: 025-007

Scale: 1" = 10'

Sheet: 2 of 2

Revisions

No.

Date

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515 N. REYNOLDS ROAD

BRYANT, AR 72022


POST-DEVELOPMENT DRAINAGE BASIN

STATE FARM – JAMEY SOUTH

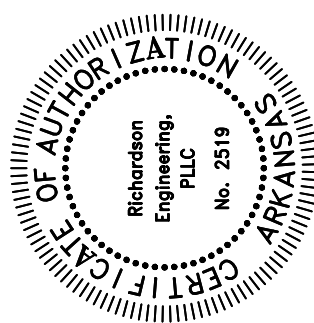
PROPOSED PARKING LOT

515 N. REYNOLDS ROAD

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Pre and Post Development Hydrographs (Hydrology Studio)

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Hydrology Studio v 3.0.0.27

08-05-2025

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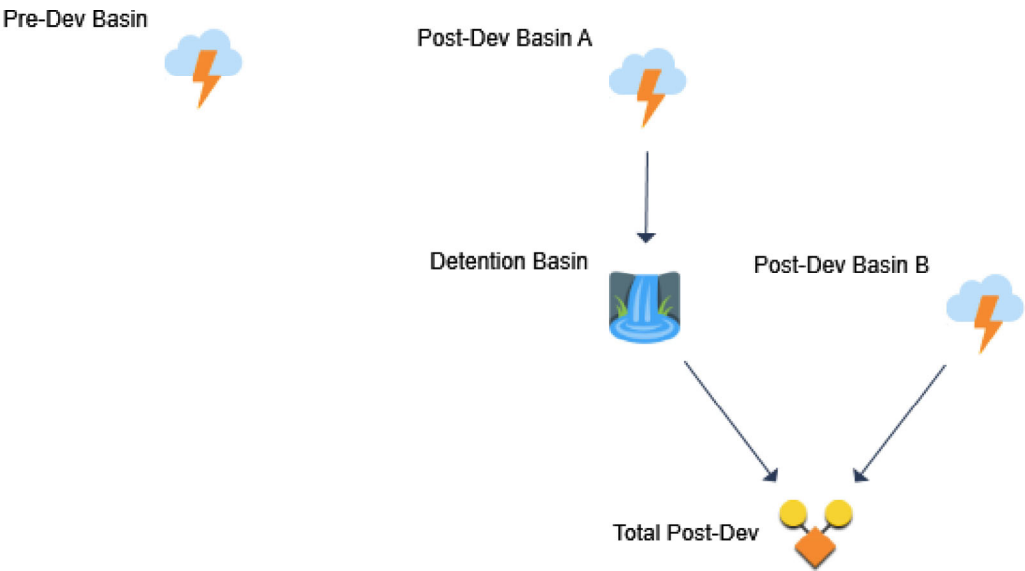
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Basin Model

Hydrology Studio v 3.0.0.27

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Hydrograph by Return Period

Project Name: Jamey South Parking Lot

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08-05-2025

[illegible]

Hydrograph 2-yr Summary

Project Name: Jamey South Parking Lot

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[illegible]

Hydrograph Report

Project Name: Jamey South Parking Lot

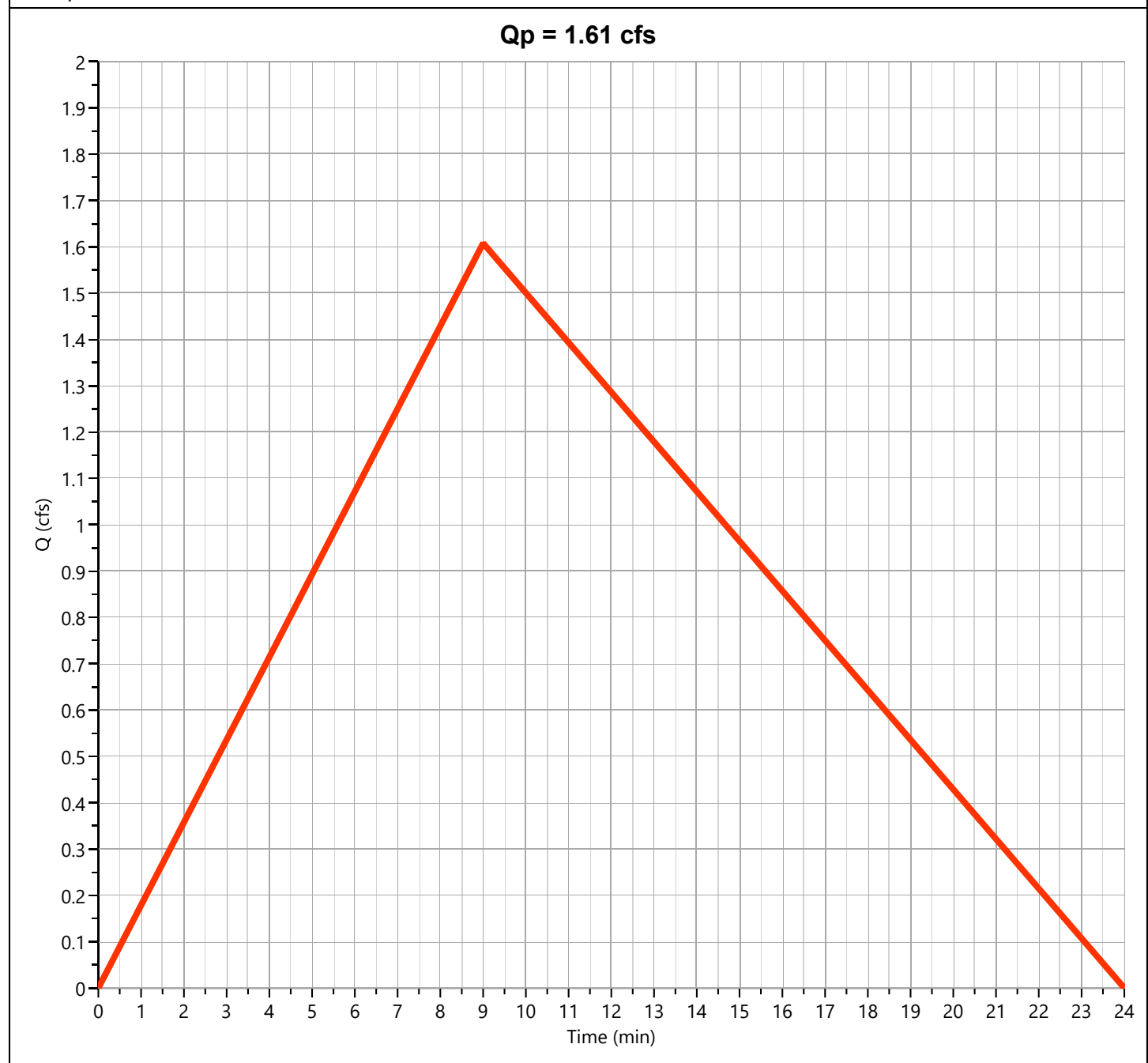
Hydrology Studio v 3.0.0.27

08-05-2025

Pre-Dev Basin

Hyd. No. 1

| | | | |
|--------------------|--------------------------------|----------------------|--------------|
| Hydrograph Type | = Rational | Peak Flow | = 1.608 cfs |
| Storm Frequency | = 2-yr | Time to Peak | = 0.15 hrs |
| Time Interval | = 1 min | Runoff Volume | = 1,159 cuft |
| Drainage Area | = 0.56 ac | Runoff Coeff. | = 0.61 |
| Tc Method | = TR55 | Time of Conc. (Tc) | = 9.0 min |
| IDF Curve | = City of Bryant IDF Curve.idf | Intensity | = 4.71 in/hr |
| Freq. Corr. Factor | = 1.00 | Asc/Rec Limb Factors | = 1/1.67 |



Hydrograph Report

Project Name: Jamey South Parking Lot

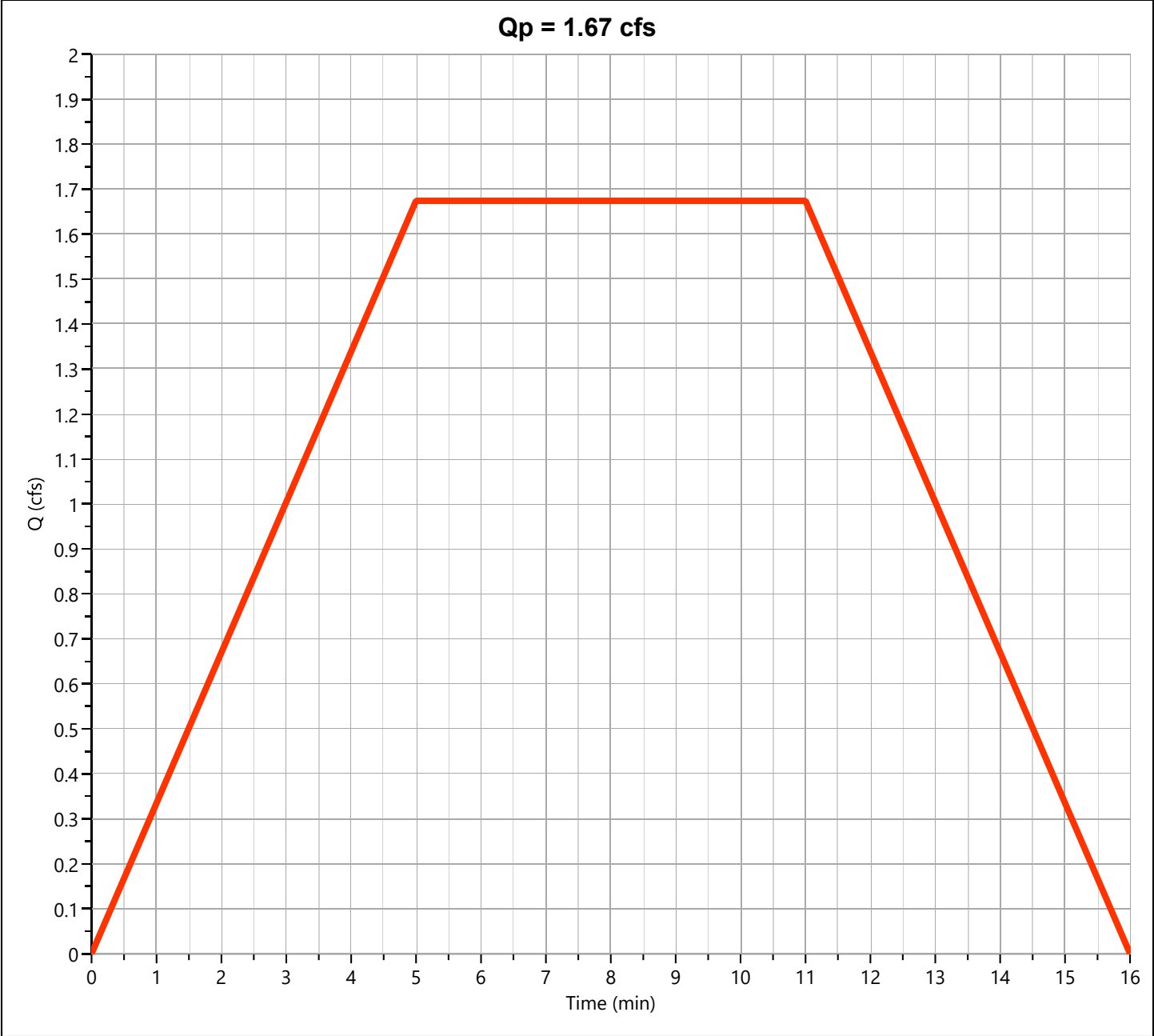
Hydrology Studio v 3.0.0.27

08-05-2025

Post-Dev Basin A

Hyd. No. 2

| | | | |
|--------------------|--------------------------------|--------------------|--------------|
| Hydrograph Type | = Mod Rational | Peak Flow | = 1.674 cfs |
| Storm Frequency | = 2-yr | Time to Peak | = 0.08 hrs |
| Time Interval | = 1 min | Runoff Volume | = 1,105 cuft |
| Drainage Area | = 0.41 ac | Runoff Coeff. | = 0.95 |
| Tc Method | = User | Time of Conc. (Tc) | = 5.0 min |
| IDF Curve | = City of Bryant IDF Curve.idf | Intensity | = 4.30 in/hr |
| Freq. Corr. Factor | = 1.00 | Storm Duration | = 2.2 x Tc |
| Target Q | = 0.000 cfs | Required Storage | = 0.000 cuft |



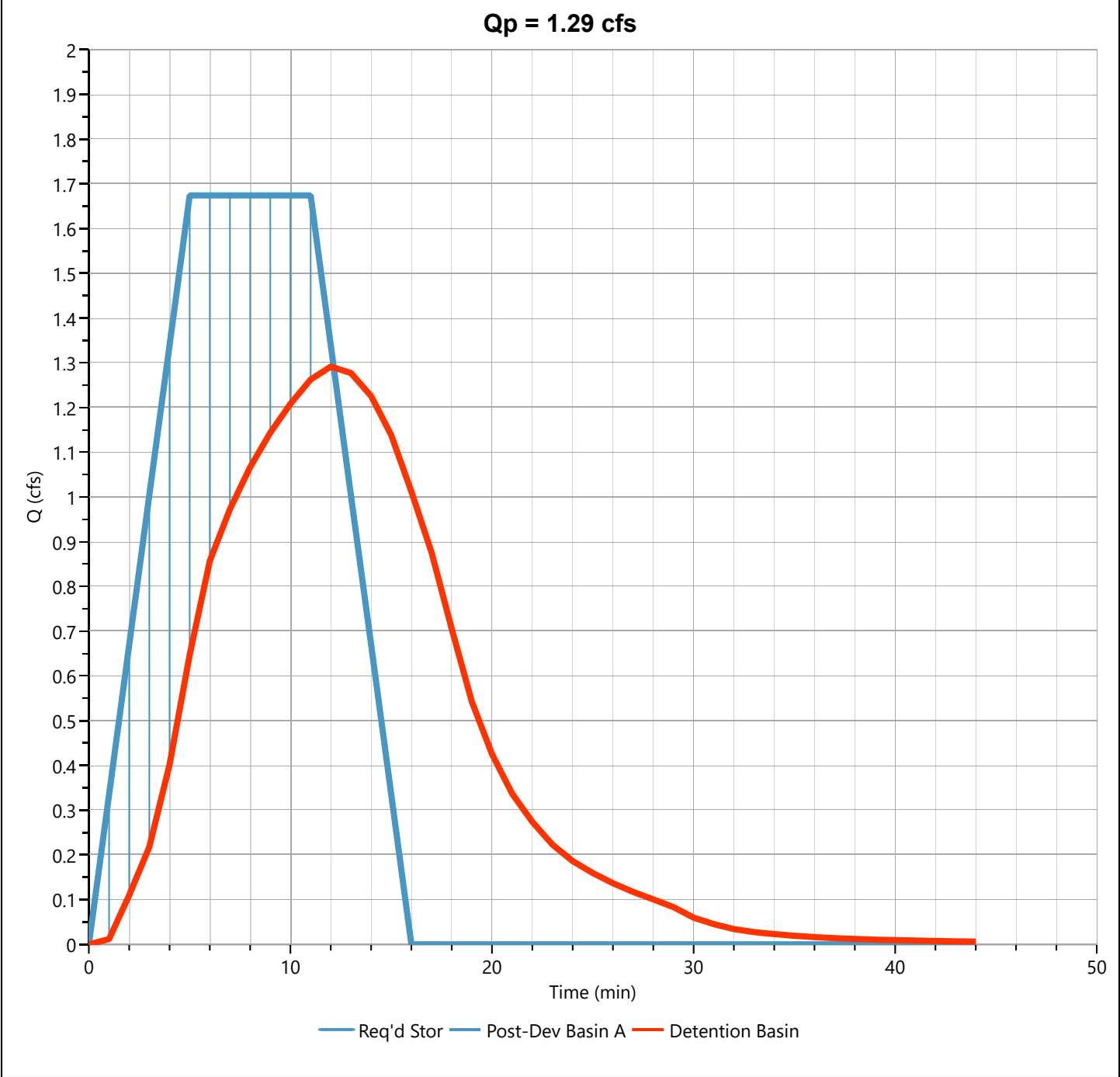
Detention Basin

Hyd. No. 3

| | | | |
|-------------------|------------------------------|-------------------|--------------|
| Hydrograph Type | = Pond Route | Peak Flow | = 1.291 cfs |
| Storm Frequency | = 2-yr | Time to Peak | = 0.20 hrs |
| Time Interval | = 1 min | Hydrograph Volume | = 1,102 cuft |
| Inflow Hydrograph | = 2 - Post-Dev Basin A | Max. Elevation | = 444.42 ft |
| Pond Name | = Jamey South Detention Pond | Max. Storage | = 432 cuft |

Pond Routing by Storage Indication Method

Center of mass detention time = 5 min



Pond Report

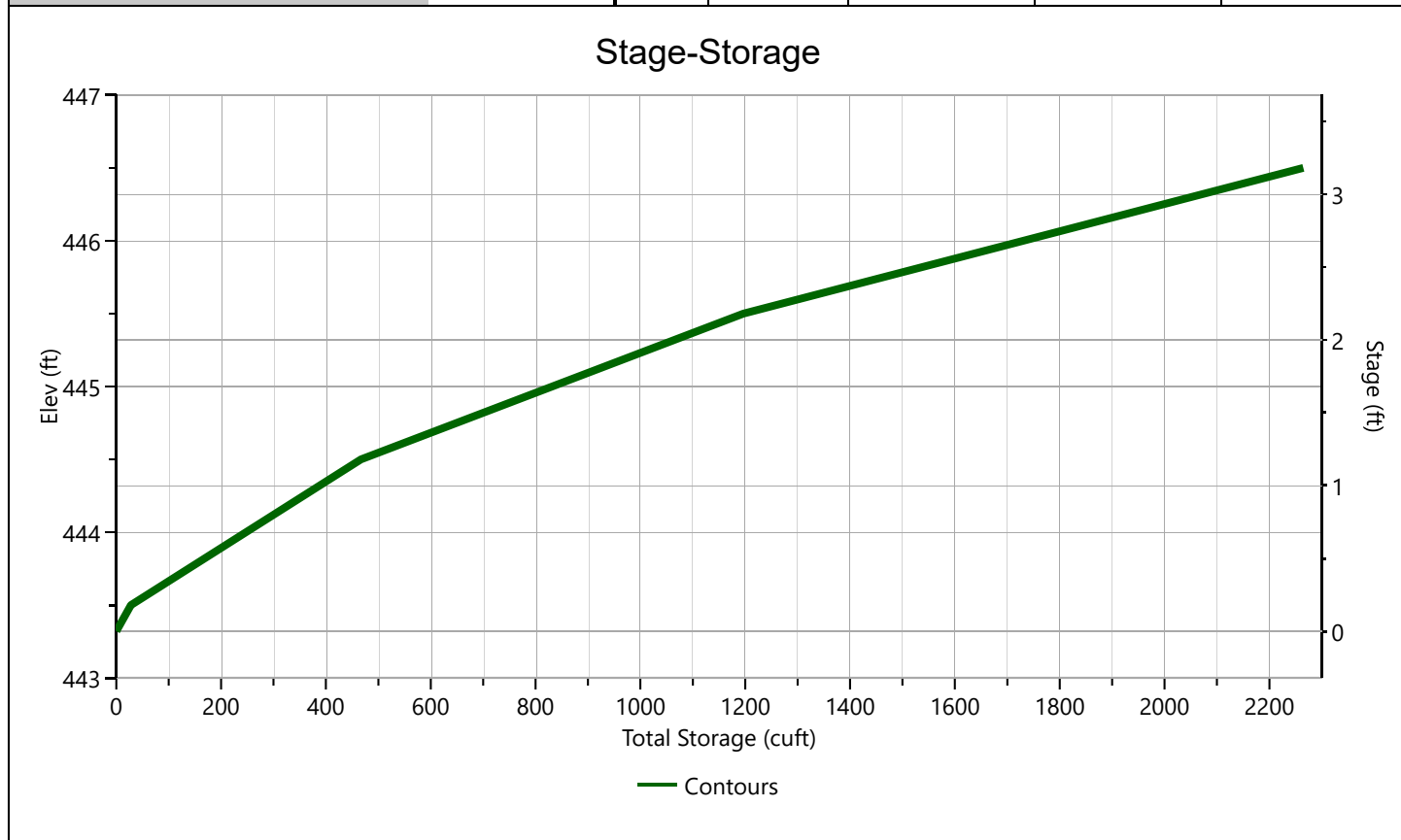
Project Name: Jamey South Parking Lot

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Jamey South Detention Pond

Stage-Storage

[illegible]

Pond Report

Project Name: Jamey South Parking Lot

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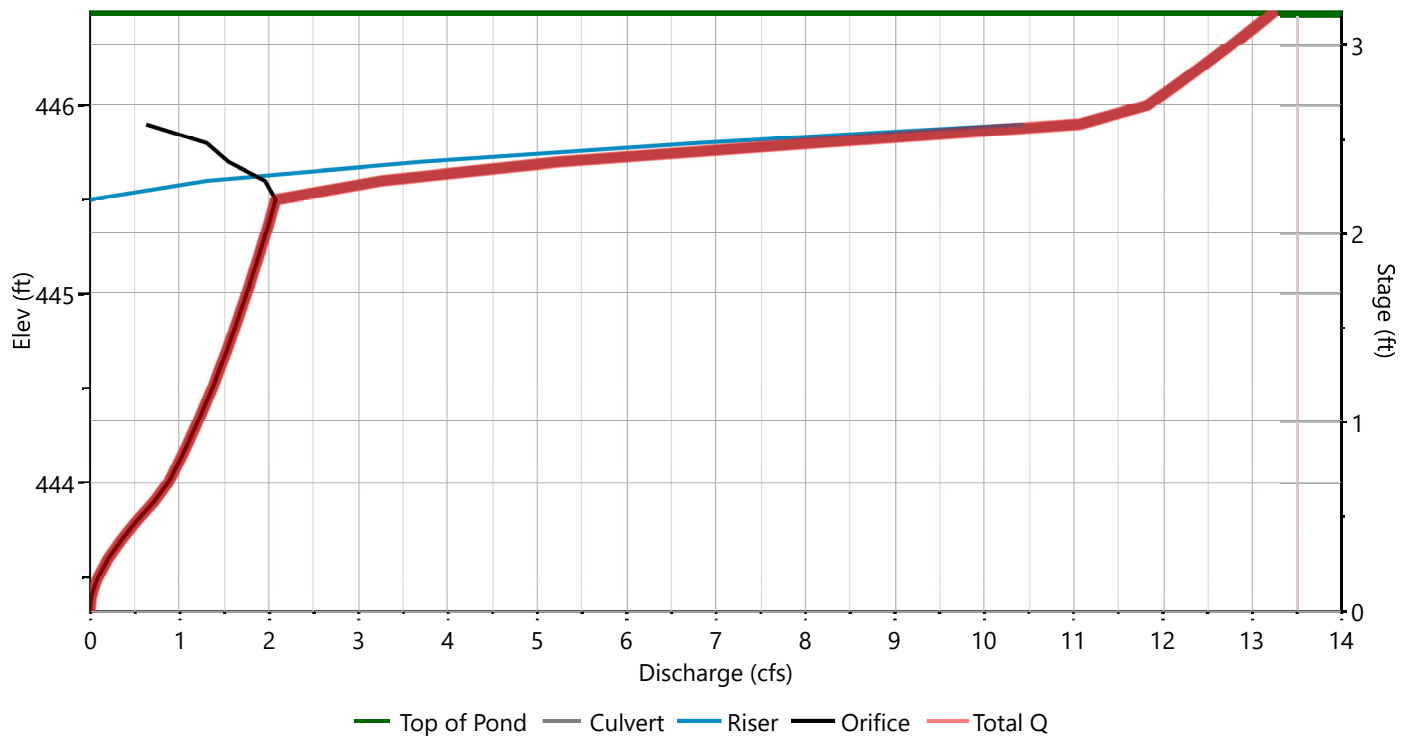
Jamey South Detention Pond

Stage-Discharge

| Culvert / Orifices | Culvert | Orifices | | | Orifice Plate |
|-------------------------|----------|----------|---|---|-------------------------|
| | | 1* | 2 | 3 | |
| Rise, in | 18 | 8 | | | Orifice Dia, in |
| Span, in | 18 | 8 | | | No. Orifices |
| No. Barrels | 1 | 1 | | | Invert Elevation, ft |
| Invert Elevation, ft | 443.32 | 443.32 | | | Height, ft |
| Orifice Coefficient, Co | 0.60 | 0.60 | | | Orifice Coefficient, Co |
| Length, ft | 22 | | | | |
| Barrel Slope, % | 1 | | | | |
| N-Value, n | 0.012 | | | | |
| Weirs | Riser* | Weirs | | | Ancillary |
| | | 1 | 2 | 3 | |
| Shape / Type | Circular | | | | Exfiltration, in/hr |
| Crest Elevation, ft | 445.5 | | | | |
| Crest Length, ft | 12.5 | | | | |
| Angle, deg | | | | | |
| Weir Coefficient, Cw | 3.3 | | | | |

*Routes through Culvert.

Stage-Discharge



Pond Report

Project Name: Jamey South Parking Lot

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Jamey South Detention Pond

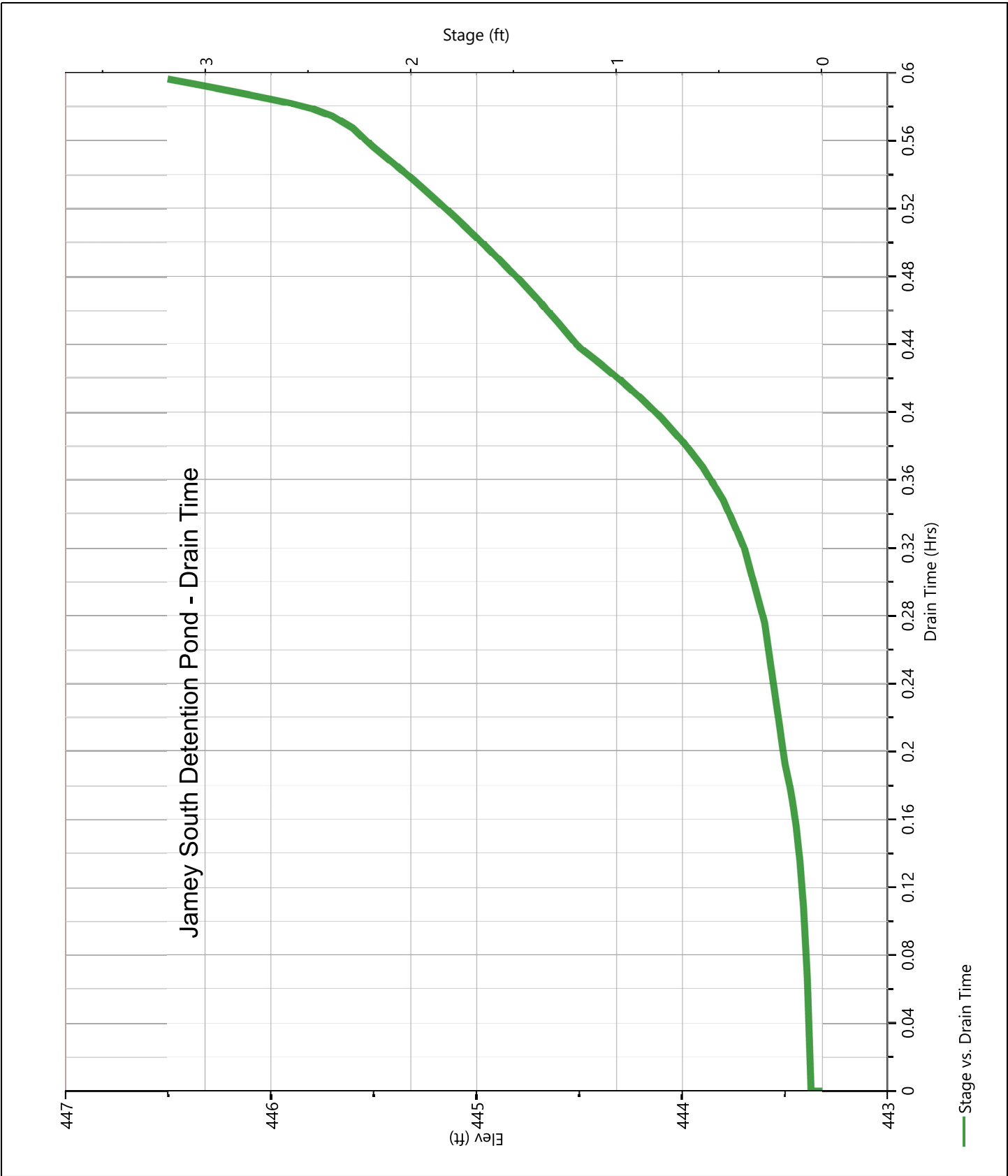
Stage-Storage-Discharge Summary

[illegible]

Suffix key: ic = inlet control, oc = outlet control, s = submerged weir

Jamey South Detention Pond

Pond Drawdown



Hydrograph Report

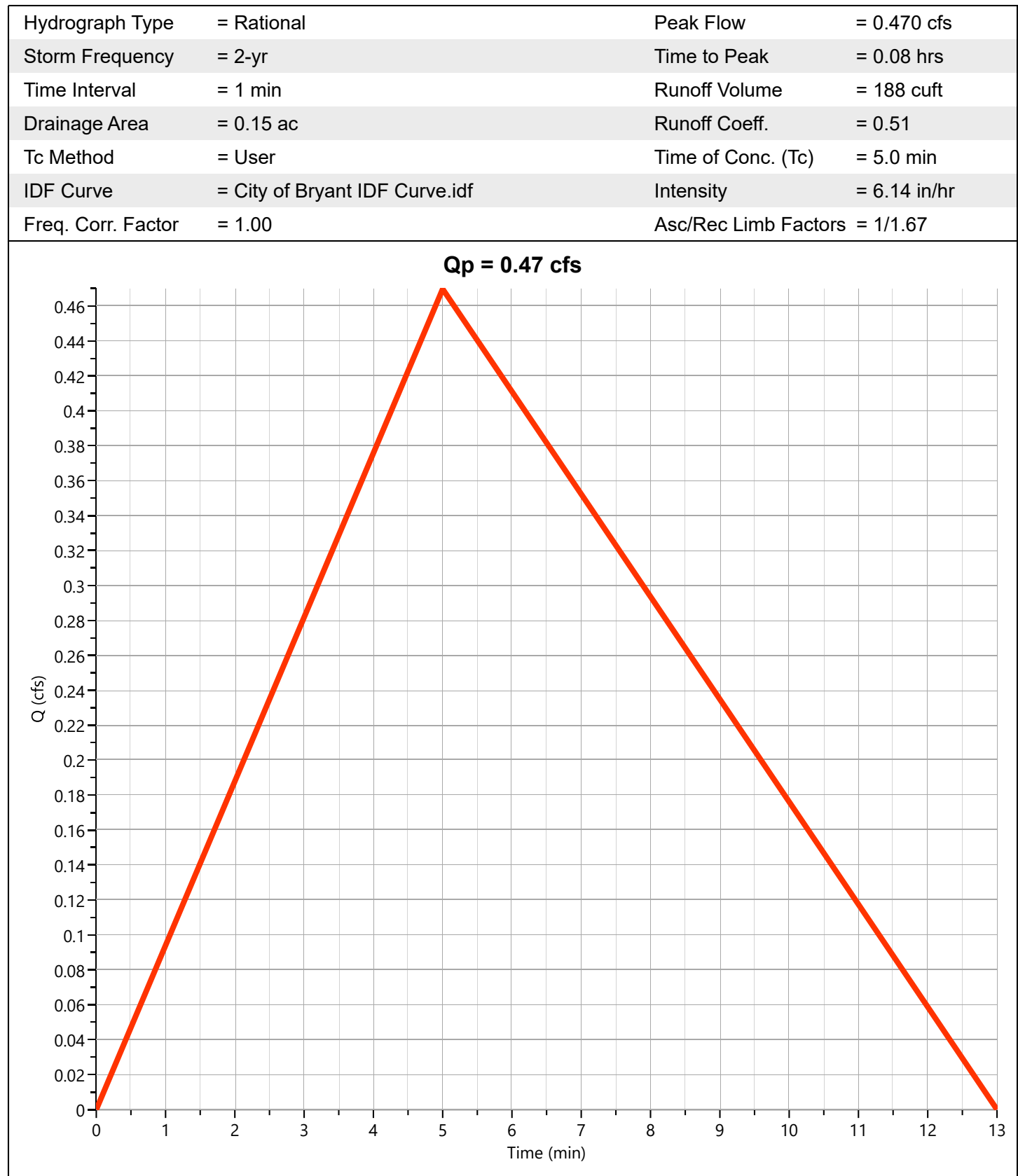
Project Name: Jamey South Parking Lot

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08-05-2025

Post-Dev Basin B

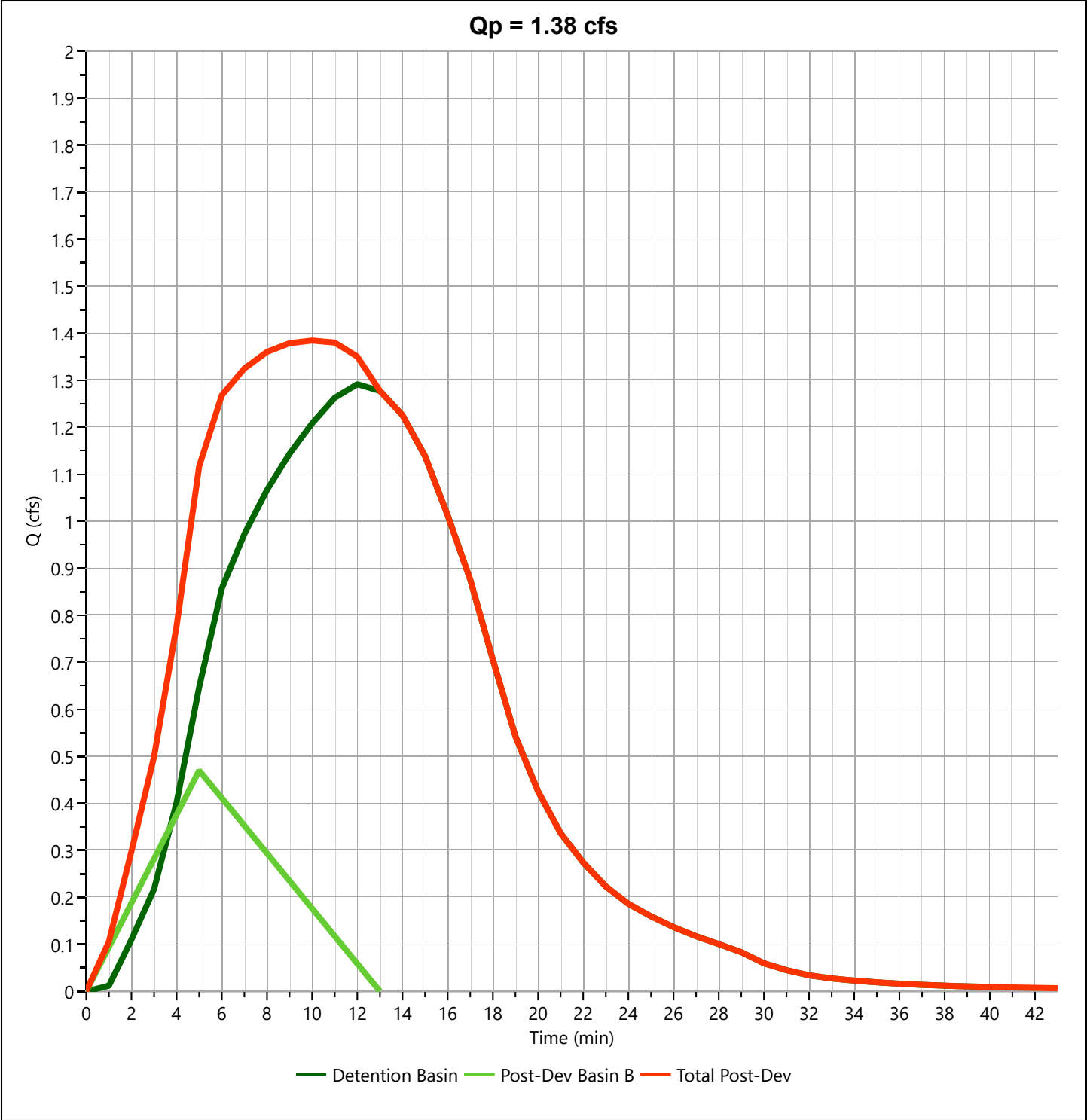
Hyd. No. 4



Total Post-Dev

Hyd. No. 5

| | | | |
|--------------------|------------|---------------------|--------------|
| Hydrograph Type | = Junction | Peak Flow | = 1.384 cfs |
| Storm Frequency | = 2-yr | Time to Peak | = 0.17 hrs |
| Time Interval | = 1 min | Hydrograph Volume | = 1,285 cuft |
| Inflow Hydrographs | = 3, 4 | Total Contrib. Area | = 0.15 ac |



Hydrograph 10-yr Summary

Project Name: Jamey South Parking Lot

Hydrology Studio v 3.0.0.27

08-05-2025

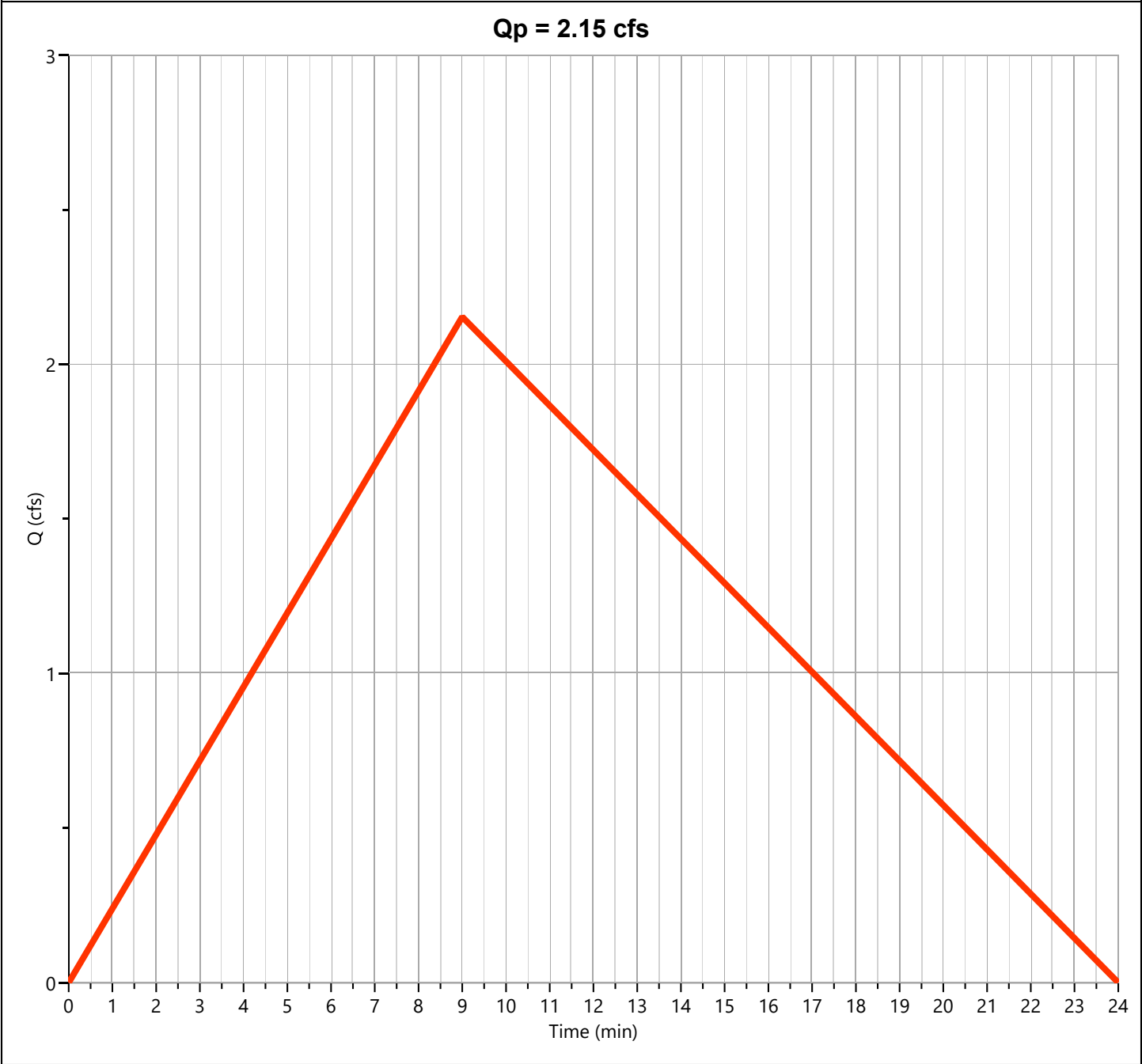
[illegible]

Hydrograph Report

Pre-Dev Basin

Hyd. No. 1

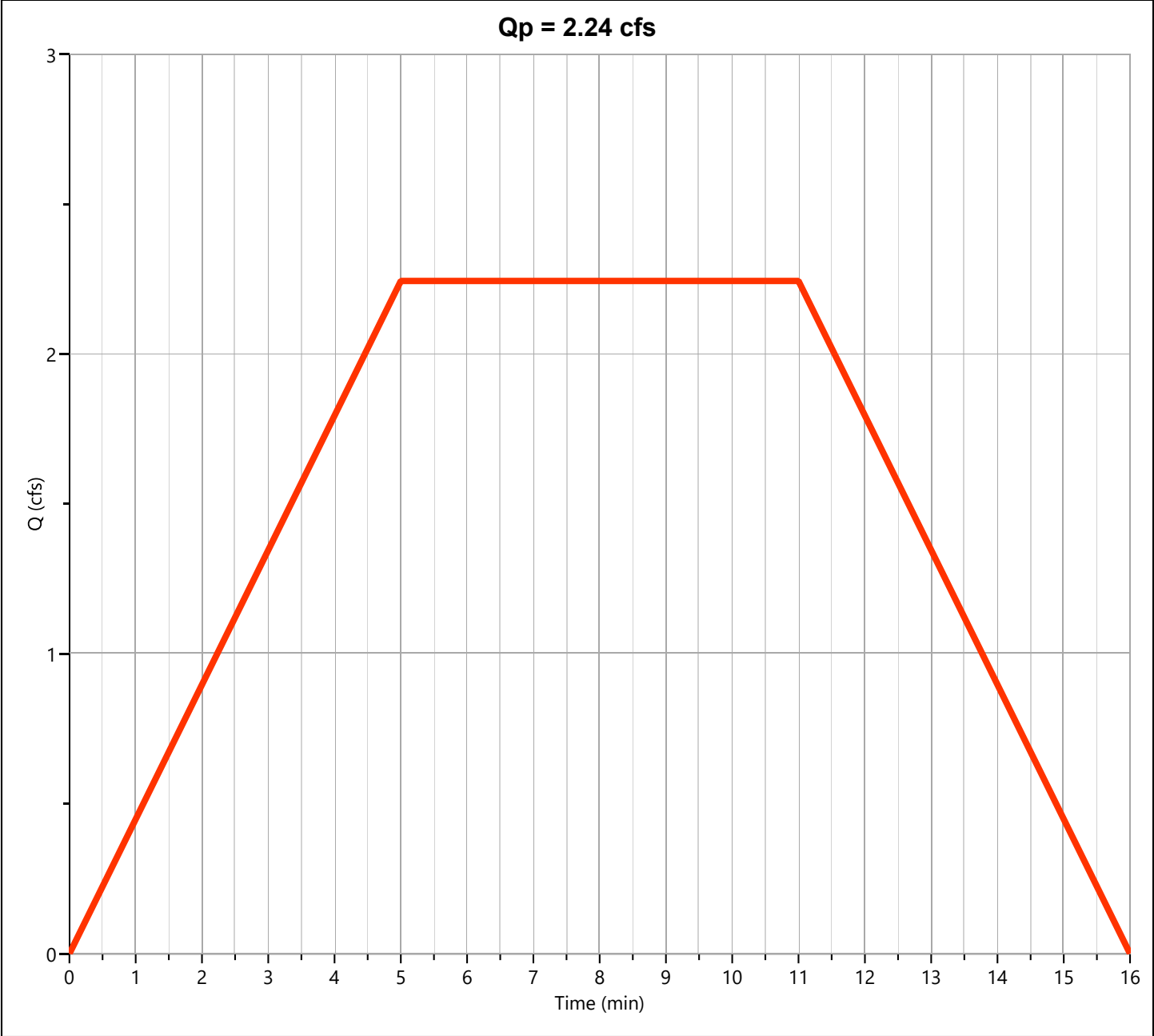
| | | | |
|--------------------|--------------------------------|----------------------|--------------|
| Hydrograph Type | = Rational | Peak Flow | = 2.154 cfs |
| Storm Frequency | = 10-yr | Time to Peak | = 0.15 hrs |
| Time Interval | = 1 min | Runoff Volume | = 1,552 cuft |
| Drainage Area | = 0.56 ac | Runoff Coeff. | = 0.61 |
| Tc Method | = TR55 | Time of Conc. (Tc) | = 9.0 min |
| IDF Curve | = City of Bryant IDF Curve.idf | Intensity | = 6.30 in/hr |
| Freq. Corr. Factor | = 1.00 | Asc/Rec Limb Factors | = 1/1.67 |



Post-Dev Basin A

Hyd. No. 2

| | | | |
|--------------------|--------------------------------|--------------------|--------------|
| Hydrograph Type | = Mod Rational | Peak Flow | = 2.244 cfs |
| Storm Frequency | = 10-yr | Time to Peak | = 0.08 hrs |
| Time Interval | = 1 min | Runoff Volume | = 1,481 cuft |
| Drainage Area | = 0.41 ac | Runoff Coeff. | = 0.95 |
| Tc Method | = User | Time of Conc. (Tc) | = 5.0 min |
| IDF Curve | = City of Bryant IDF Curve.idf | Intensity | = 5.76 in/hr |
| Freq. Corr. Factor | = 1.00 | Storm Duration | = 2.2 x Tc |
| Target Q | = 0.000 cfs | Required Storage | = 0.000 cuft |



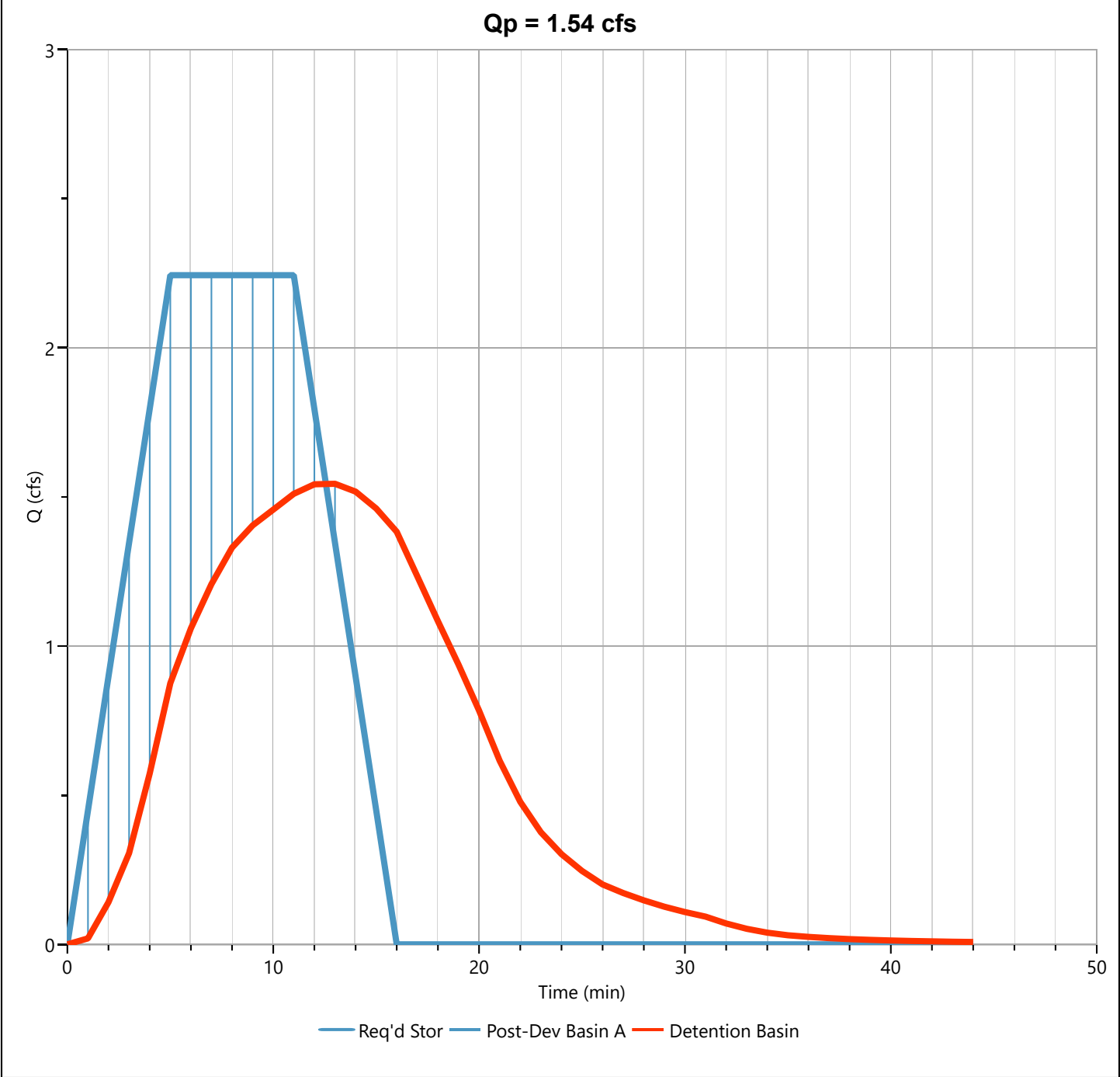
Detention Basin

Hyd. No. 3

| | | | |
|-------------------|------------------------------|-------------------|--------------|
| Hydrograph Type | = Pond Route | Peak Flow | = 1.544 cfs |
| Storm Frequency | = 10-yr | Time to Peak | = 0.22 hrs |
| Time Interval | = 1 min | Hydrograph Volume | = 1,478 cuft |
| Inflow Hydrograph | = 2 - Post-Dev Basin A | Max. Elevation | = 444.73 ft |
| Pond Name | = Jamey South Detention Pond | Max. Storage | = 628 cuft |

Pond Routing by Storage Indication Method

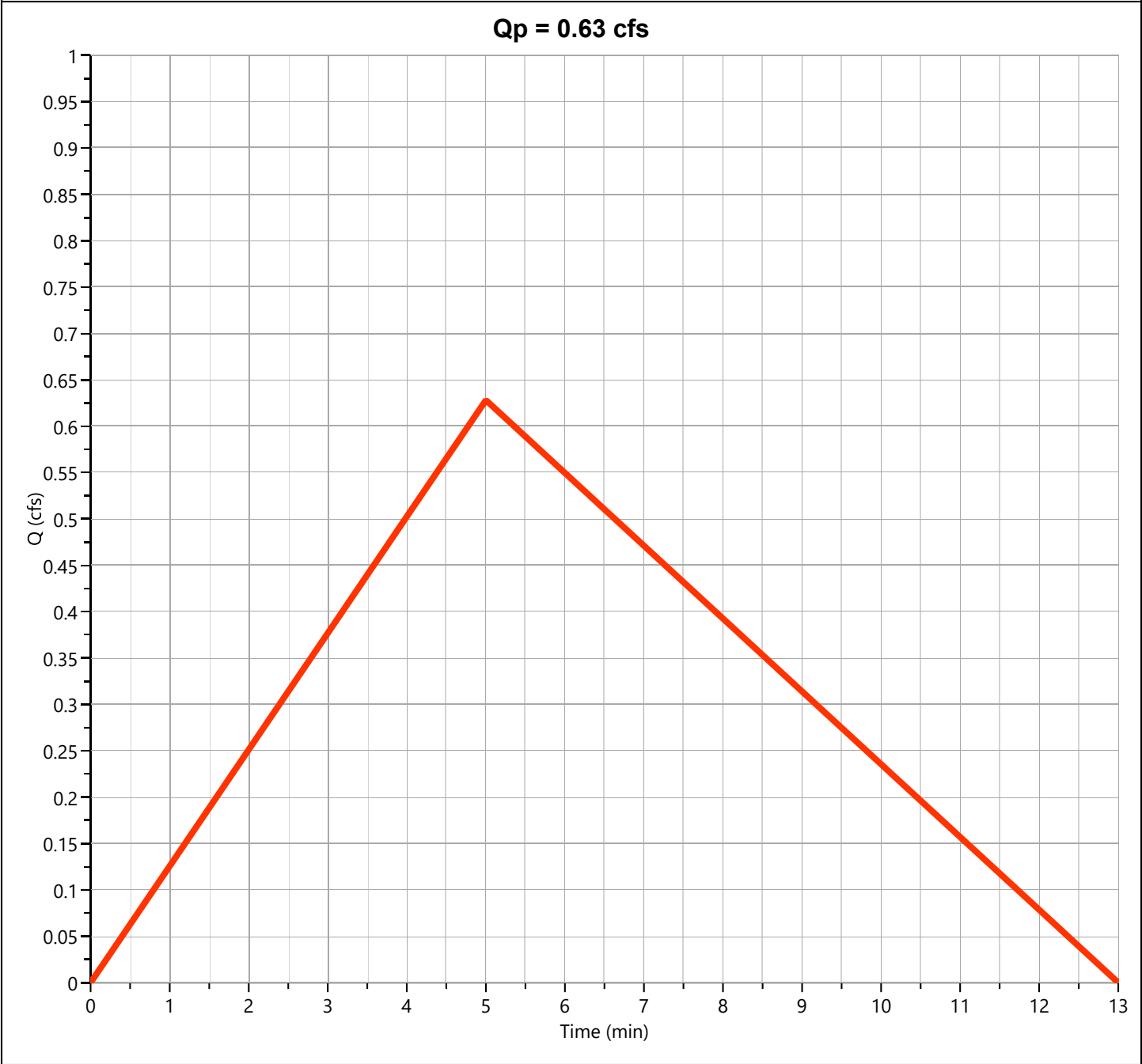
Center of mass detention time = 6 min



Post-Dev Basin B

Hyd. No. 4

| | | | |
|--------------------|--------------------------------|----------------------|--------------|
| Hydrograph Type | = Rational | Peak Flow | = 0.628 cfs |
| Storm Frequency | = 10-yr | Time to Peak | = 0.08 hrs |
| Time Interval | = 1 min | Runoff Volume | = 252 cuft |
| Drainage Area | = 0.15 ac | Runoff Coeff. | = 0.51 |
| Tc Method | = User | Time of Conc. (Tc) | = 5.0 min |
| IDF Curve | = City of Bryant IDF Curve.idf | Intensity | = 8.21 in/hr |
| Freq. Corr. Factor | = 1.00 | Asc/Rec Limb Factors | = 1/1.67 |

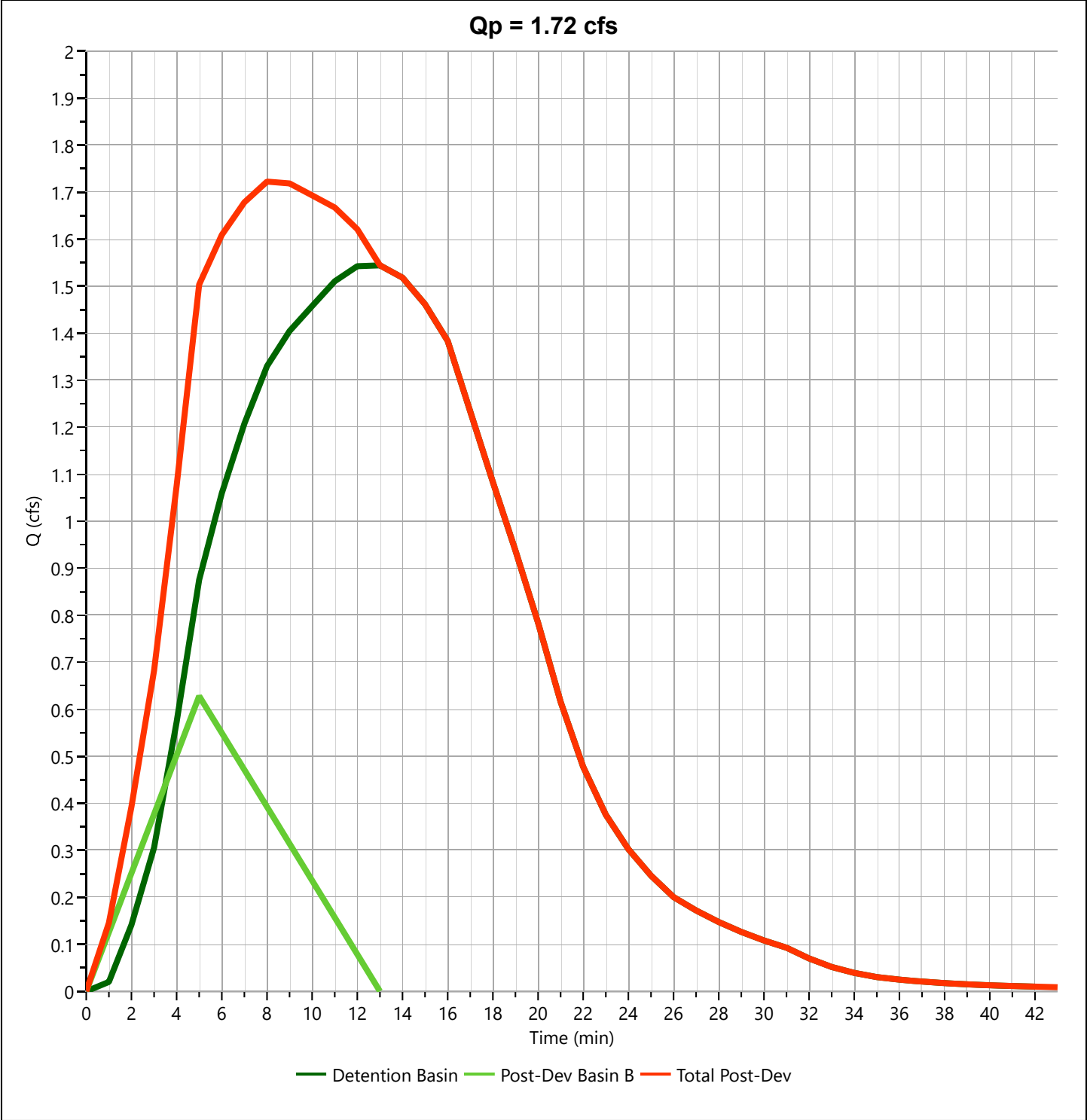


Hydrograph Report

Total Post-Dev

Hyd. No. 5

| | | | |
|--------------------|------------|---------------------|--------------|
| Hydrograph Type | = Junction | Peak Flow | = 1.723 cfs |
| Storm Frequency | = 10-yr | Time to Peak | = 0.13 hrs |
| Time Interval | = 1 min | Hydrograph Volume | = 1,723 cuft |
| Inflow Hydrographs | = 3, 4 | Total Contrib. Area | = 0.15 ac |



Hydrograph 25-yr Summary

Project Name: Jamey South Parking Lot

Hydrology Studio v 3.0.0.27

08-05-2025

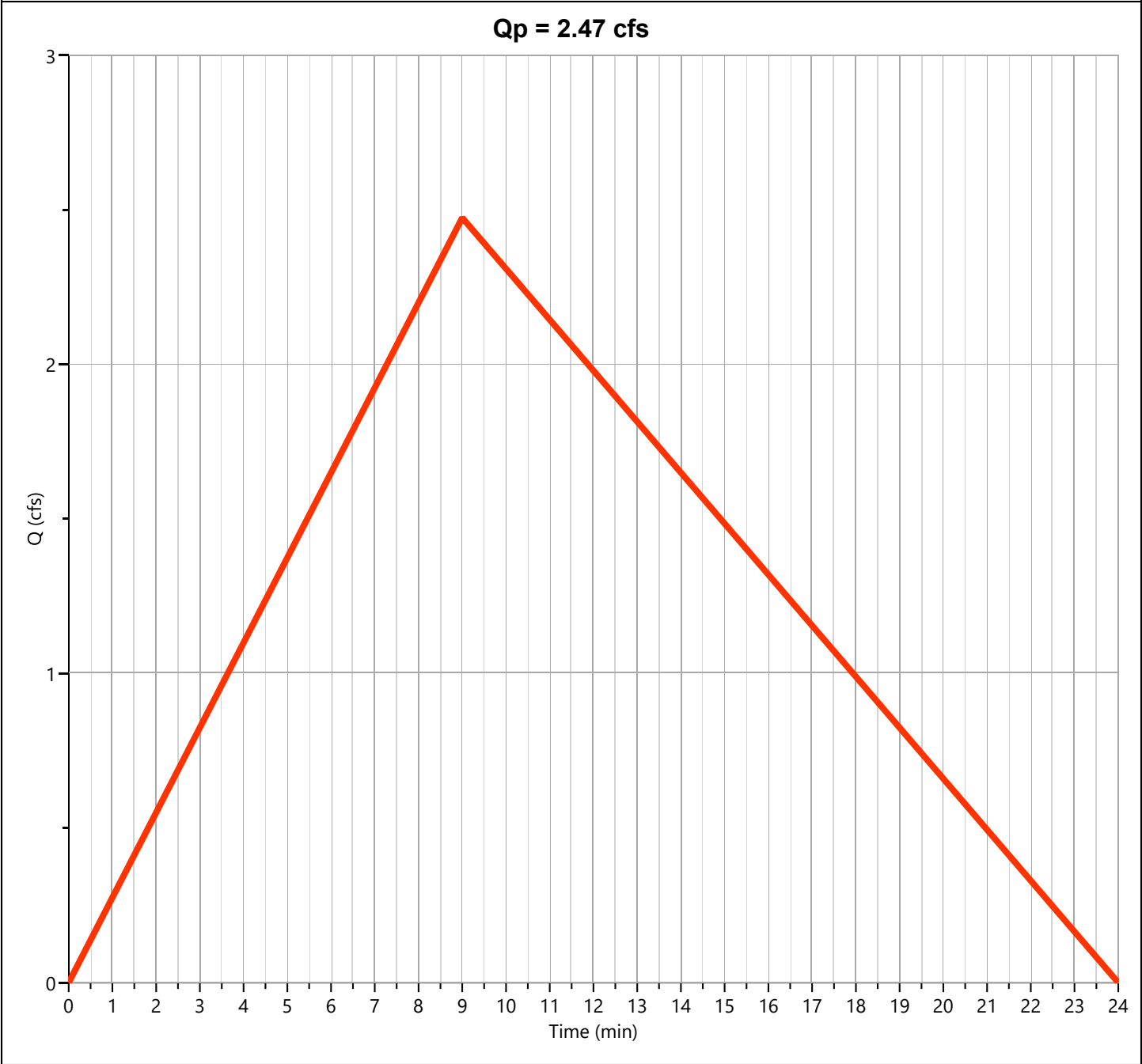
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Hydrograph Report

Pre-Dev Basin

Hyd. No. 1

| | | | |
|--------------------|--------------------------------|----------------------|--------------|
| Hydrograph Type | = Rational | Peak Flow | = 2.474 cfs |
| Storm Frequency | = 25-yr | Time to Peak | = 0.15 hrs |
| Time Interval | = 1 min | Runoff Volume | = 1,784 cuft |
| Drainage Area | = 0.56 ac | Runoff Coeff. | = 0.61 |
| Tc Method | = TR55 | Time of Conc. (Tc) | = 9.0 min |
| IDF Curve | = City of Bryant IDF Curve.idf | Intensity | = 7.24 in/hr |
| Freq. Corr. Factor | = 1.00 | Asc/Rec Limb Factors | = 1/1.67 |



Hydrograph Report

Project Name: Jamey South Parking Lot

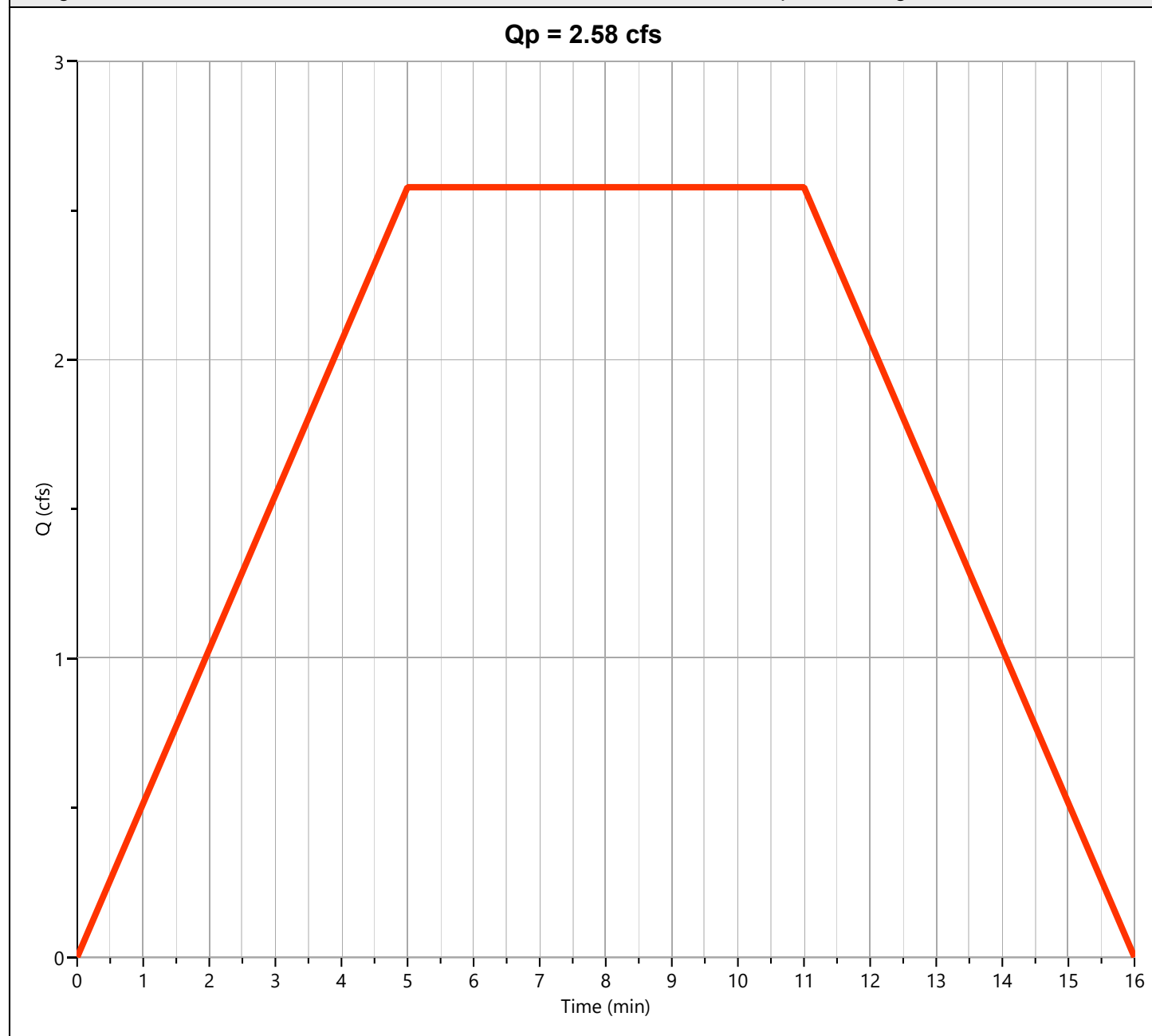
Hydrology Studio v 3.0.0.27

08-05-2025

Post-Dev Basin A

Hyd. No. 2

| | | | |
|--------------------|--------------------------------|--------------------|--------------|
| Hydrograph Type | = Mod Rational | Peak Flow | = 2.578 cfs |
| Storm Frequency | = 25-yr | Time to Peak | = 0.08 hrs |
| Time Interval | = 1 min | Runoff Volume | = 1,702 cuft |
| Drainage Area | = 0.41 ac | Runoff Coeff. | = 0.95 |
| Tc Method | = User | Time of Conc. (Tc) | = 5.0 min |
| IDF Curve | = City of Bryant IDF Curve.idf | Intensity | = 6.62 in/hr |
| Freq. Corr. Factor | = 1.00 | Storm Duration | = 2.2 x Tc |
| Target Q | = 0.000 cfs | Required Storage | = 0.000 cuft |



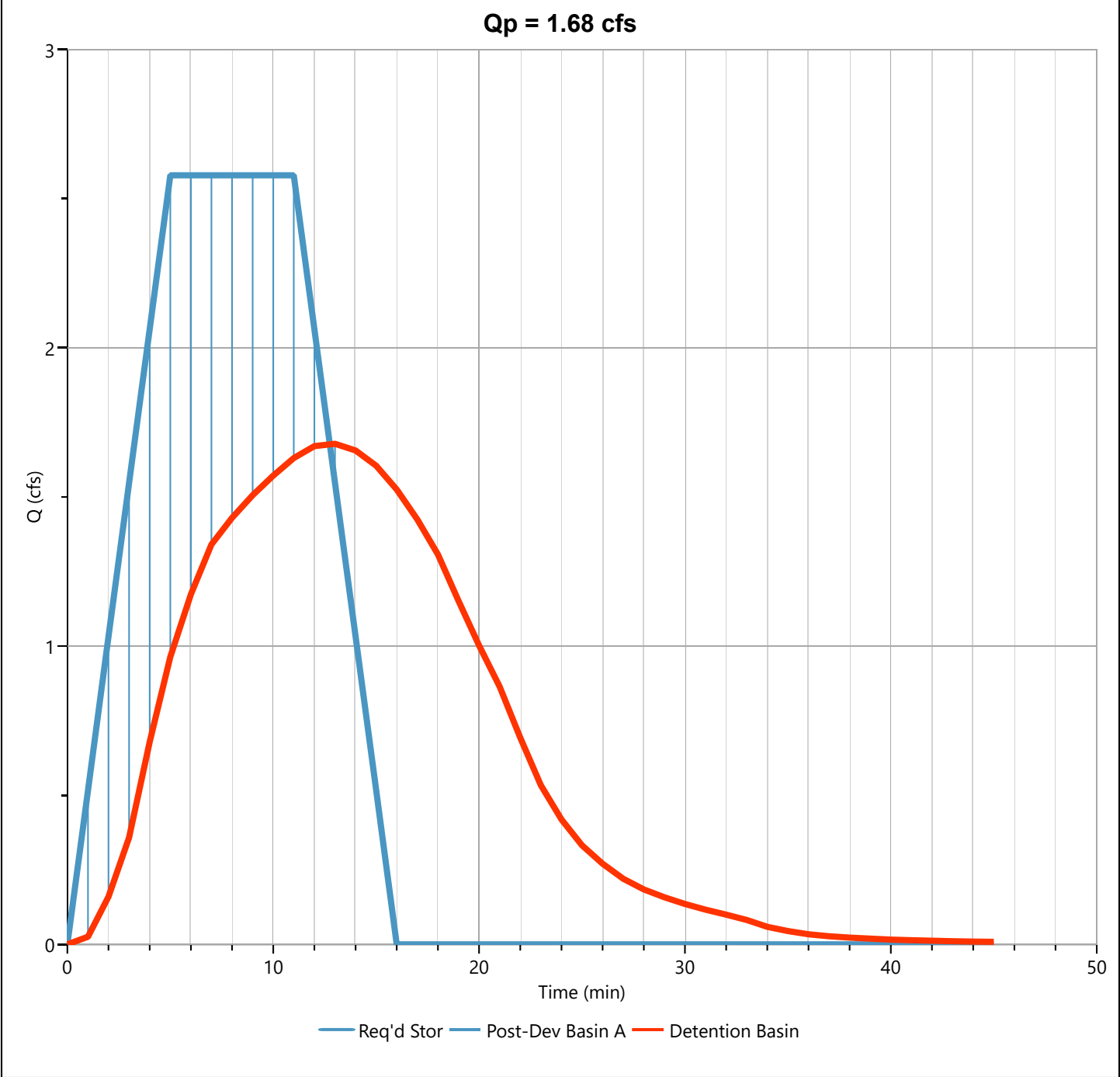
Detention Basin

Hyd. No. 3

| | | | |
|-------------------|------------------------------|-------------------|--------------|
| Hydrograph Type | = Pond Route | Peak Flow | = 1.678 cfs |
| Storm Frequency | = 25-yr | Time to Peak | = 0.22 hrs |
| Time Interval | = 1 min | Hydrograph Volume | = 1,699 cuft |
| Inflow Hydrograph | = 2 - Post-Dev Basin A | Max. Elevation | = 444.91 ft |
| Pond Name | = Jamey South Detention Pond | Max. Storage | = 762 cuft |

Pond Routing by Storage Indication Method

Center of mass detention time = 6 min



Hydrograph Report

Project Name: Jamey South Parking Lot

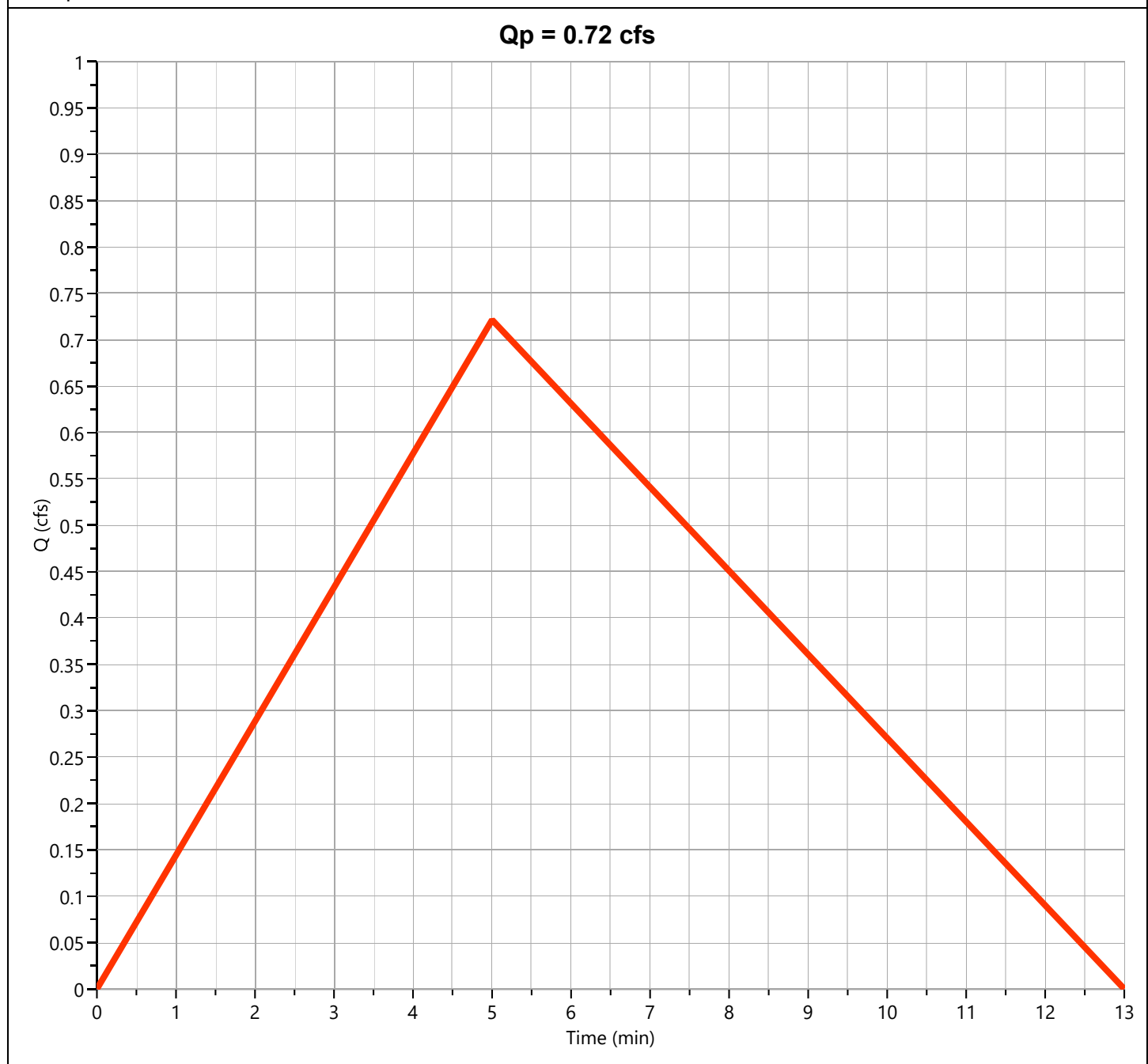
Hydrology Studio v 3.0.0.27

08-05-2025

Post-Dev Basin B

Hyd. No. 4

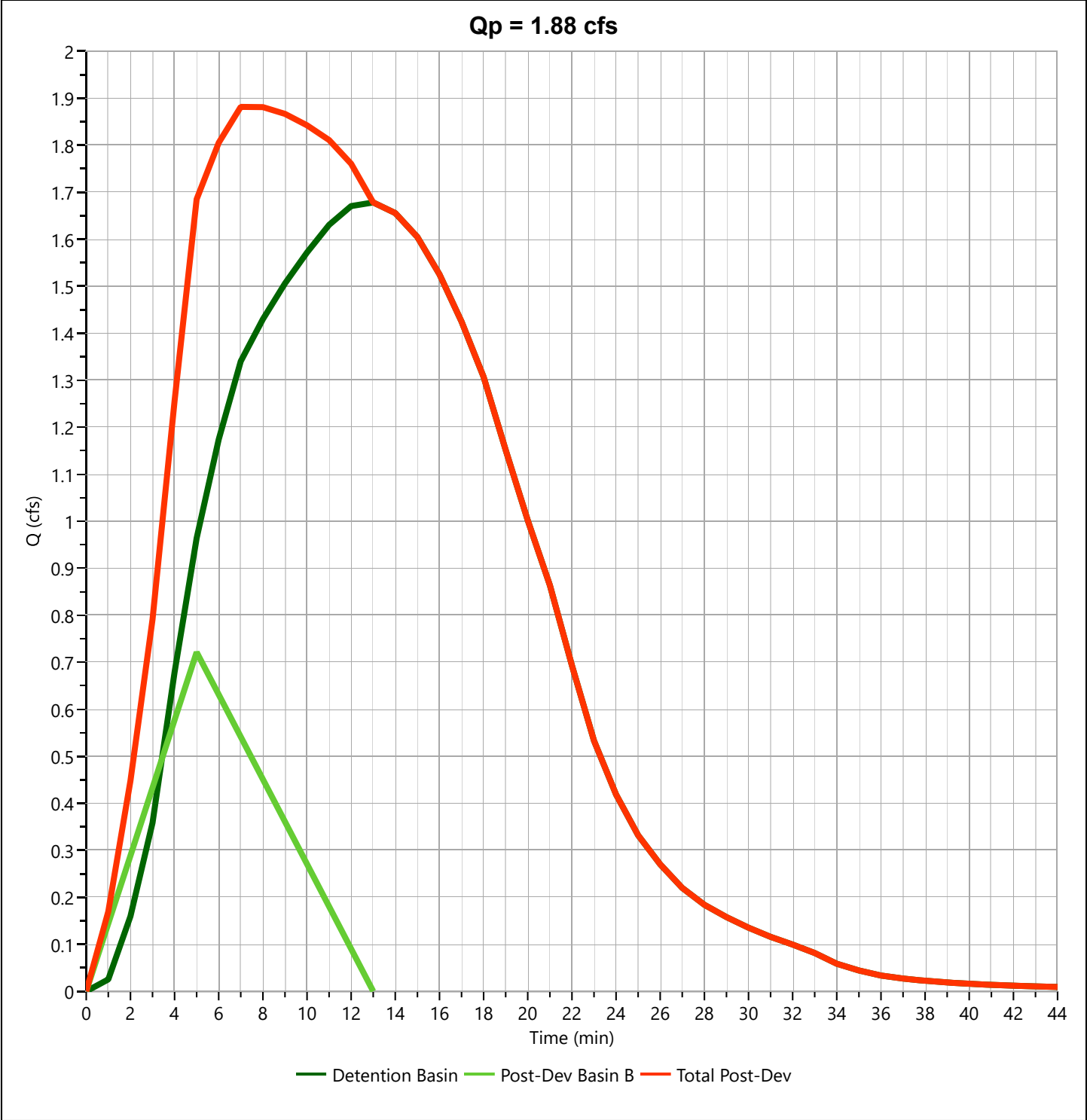
| | | | |
|--------------------|--------------------------------|----------------------|--------------|
| Hydrograph Type | = Rational | Peak Flow | = 0.721 cfs |
| Storm Frequency | = 25-yr | Time to Peak | = 0.08 hrs |
| Time Interval | = 1 min | Runoff Volume | = 289 cuft |
| Drainage Area | = 0.15 ac | Runoff Coeff. | = 0.51 |
| Tc Method | = User | Time of Conc. (Tc) | = 5.0 min |
| IDF Curve | = City of Bryant IDF Curve.idf | Intensity | = 9.43 in/hr |
| Freq. Corr. Factor | = 1.00 | Asc/Rec Limb Factors | = 1/1.67 |



Total Post-Dev

Hyd. No. 5

| | | | |
|--------------------|------------|---------------------|--------------|
| Hydrograph Type | = Junction | Peak Flow | = 1.881 cfs |
| Storm Frequency | = 25-yr | Time to Peak | = 0.12 hrs |
| Time Interval | = 1 min | Hydrograph Volume | = 1,980 cuft |
| Inflow Hydrographs | = 3, 4 | Total Contrib. Area | = 0.15 ac |



Hydrograph 50-yr Summary

Project Name: Jamey South Parking Lot

Hydrology Studio v 3.0.0.27

08-05-2025

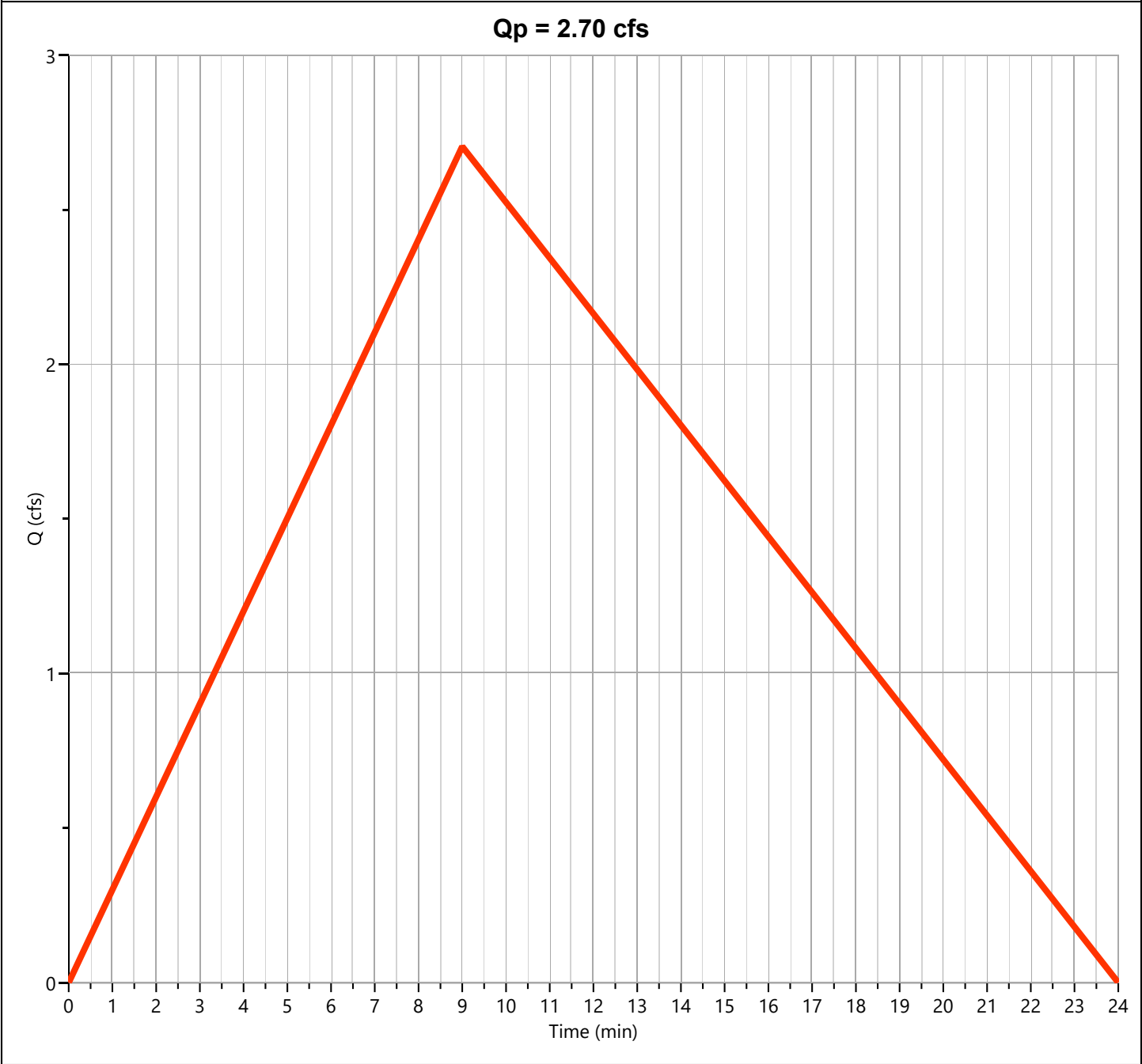
| Hyd. No. | Hydrograph Type | Hydrograph Name | Peak Flow (cfs) | Time to Peak (hrs) | Hydrograph Volume (cuft) | Inflow Hyd(s) | Maximum Elevation (ft) | Maximum Storage (cuft) |
|----------|-----------------|------------------|-----------------|--------------------|--------------------------|---------------|------------------------|------------------------|
| 1 | Rational | Pre-Dev Basin | 2.705 | 0.15 | 1,950 | ---- | | |
| 2 | Mod Rational | Post-Dev Basin A | 2.819 | 0.08 | 1,861 | ---- | | |
| 3 | Pond Route | Detention Basin | 1.776 | 0.22 | 1,858 | 2 | 445.04 | 861 |
| 4 | Rational | Post-Dev Basin B | 0.788 | 0.08 | 316 | ---- | | |
| 5 | Junction | Total Post-Dev | 1.995 | 0.12 | 2,165 | 3, 4 | | |

Hydrograph Report

Pre-Dev Basin

Hyd. No. 1

| | | | |
|--------------------|--------------------------------|----------------------|--------------|
| Hydrograph Type | = Rational | Peak Flow | = 2.705 cfs |
| Storm Frequency | = 50-yr | Time to Peak | = 0.15 hrs |
| Time Interval | = 1 min | Runoff Volume | = 1,950 cuft |
| Drainage Area | = 0.56 ac | Runoff Coeff. | = 0.61 |
| Tc Method | = TR55 | Time of Conc. (Tc) | = 9.0 min |
| IDF Curve | = City of Bryant IDF Curve.idf | Intensity | = 7.92 in/hr |
| Freq. Corr. Factor | = 1.00 | Asc/Rec Limb Factors | = 1/1.67 |



Hydrograph Report

Project Name: Jamey South Parking Lot

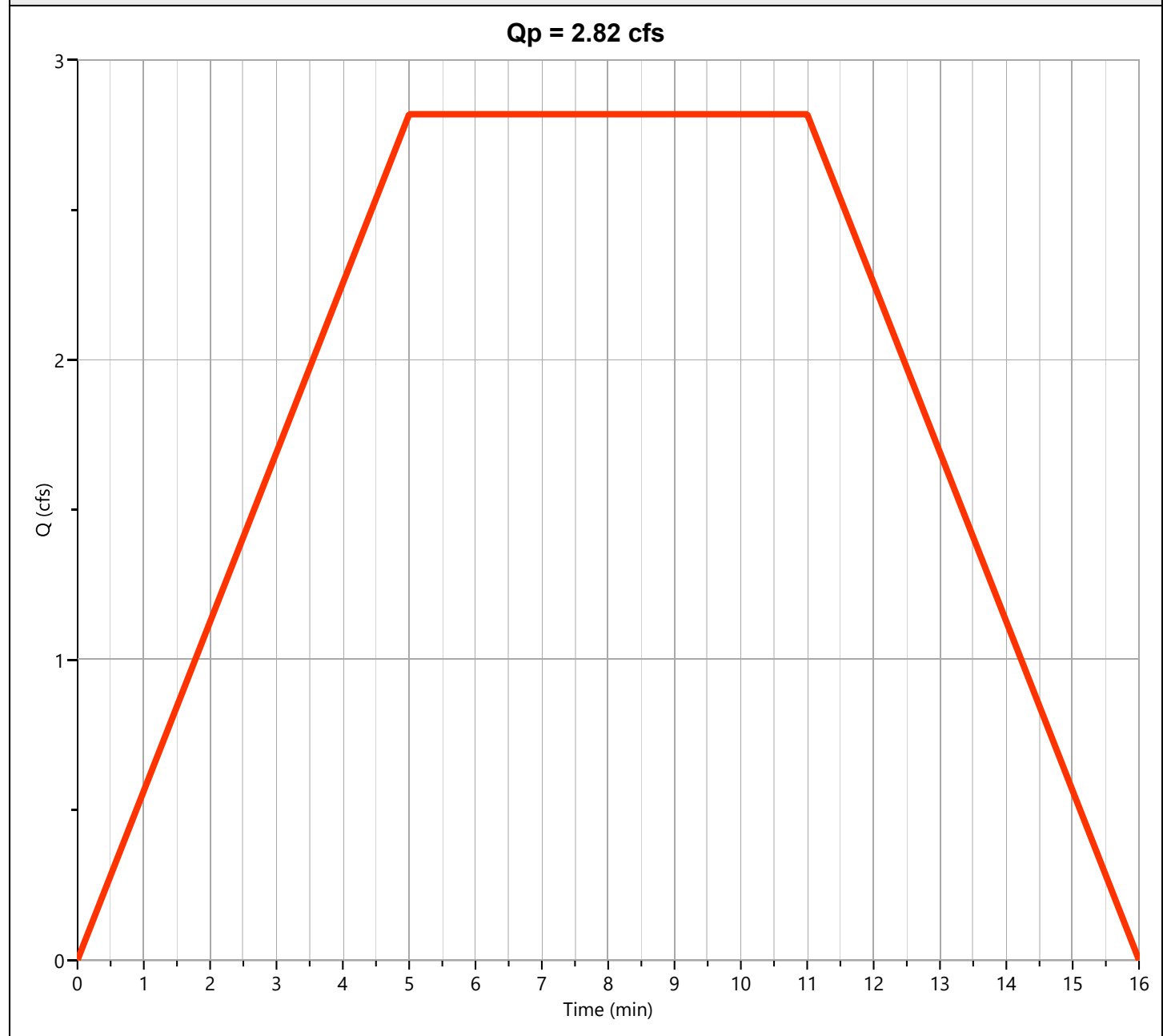
Hydrology Studio v 3.0.0.27

08-05-2025

Post-Dev Basin A

Hyd. No. 2

| | | | |
|--------------------|--------------------------------|--------------------|--------------|
| Hydrograph Type | = Mod Rational | Peak Flow | = 2.819 cfs |
| Storm Frequency | = 50-yr | Time to Peak | = 0.08 hrs |
| Time Interval | = 1 min | Runoff Volume | = 1,861 cuft |
| Drainage Area | = 0.41 ac | Runoff Coeff. | = 0.95 |
| Tc Method | = User | Time of Conc. (Tc) | = 5.0 min |
| IDF Curve | = City of Bryant IDF Curve.idf | Intensity | = 7.24 in/hr |
| Freq. Corr. Factor | = 1.00 | Storm Duration | = 2.2 x Tc |
| Target Q | = 0.000 cfs | Required Storage | = 0.000 cuft |



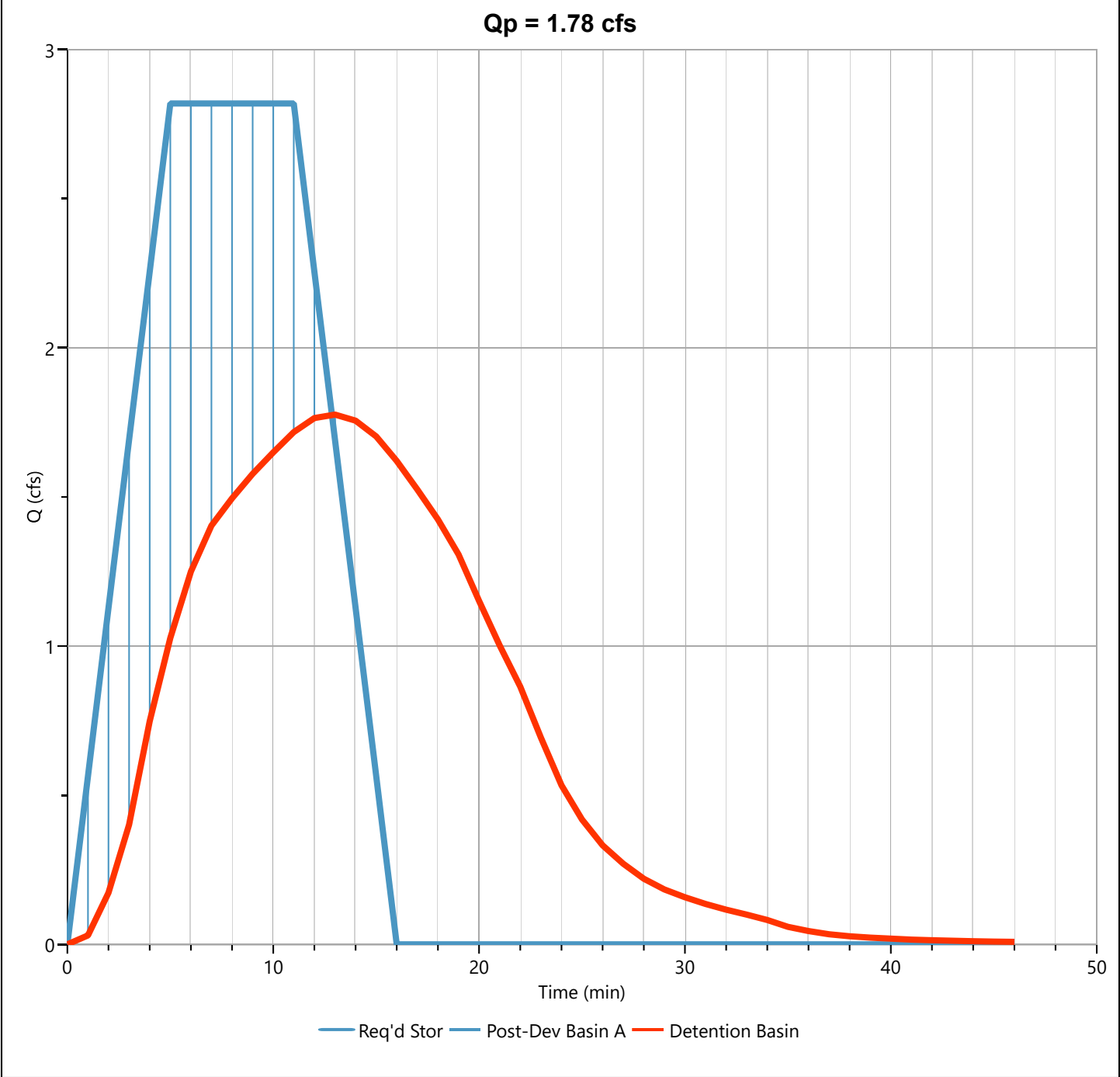
Detention Basin

Hyd. No. 3

| | | | |
|-------------------|------------------------------|-------------------|--------------|
| Hydrograph Type | = Pond Route | Peak Flow | = 1.776 cfs |
| Storm Frequency | = 50-yr | Time to Peak | = 0.22 hrs |
| Time Interval | = 1 min | Hydrograph Volume | = 1,858 cuft |
| Inflow Hydrograph | = 2 - Post-Dev Basin A | Max. Elevation | = 445.04 ft |
| Pond Name | = Jamey South Detention Pond | Max. Storage | = 861 cuft |

Pond Routing by Storage Indication Method

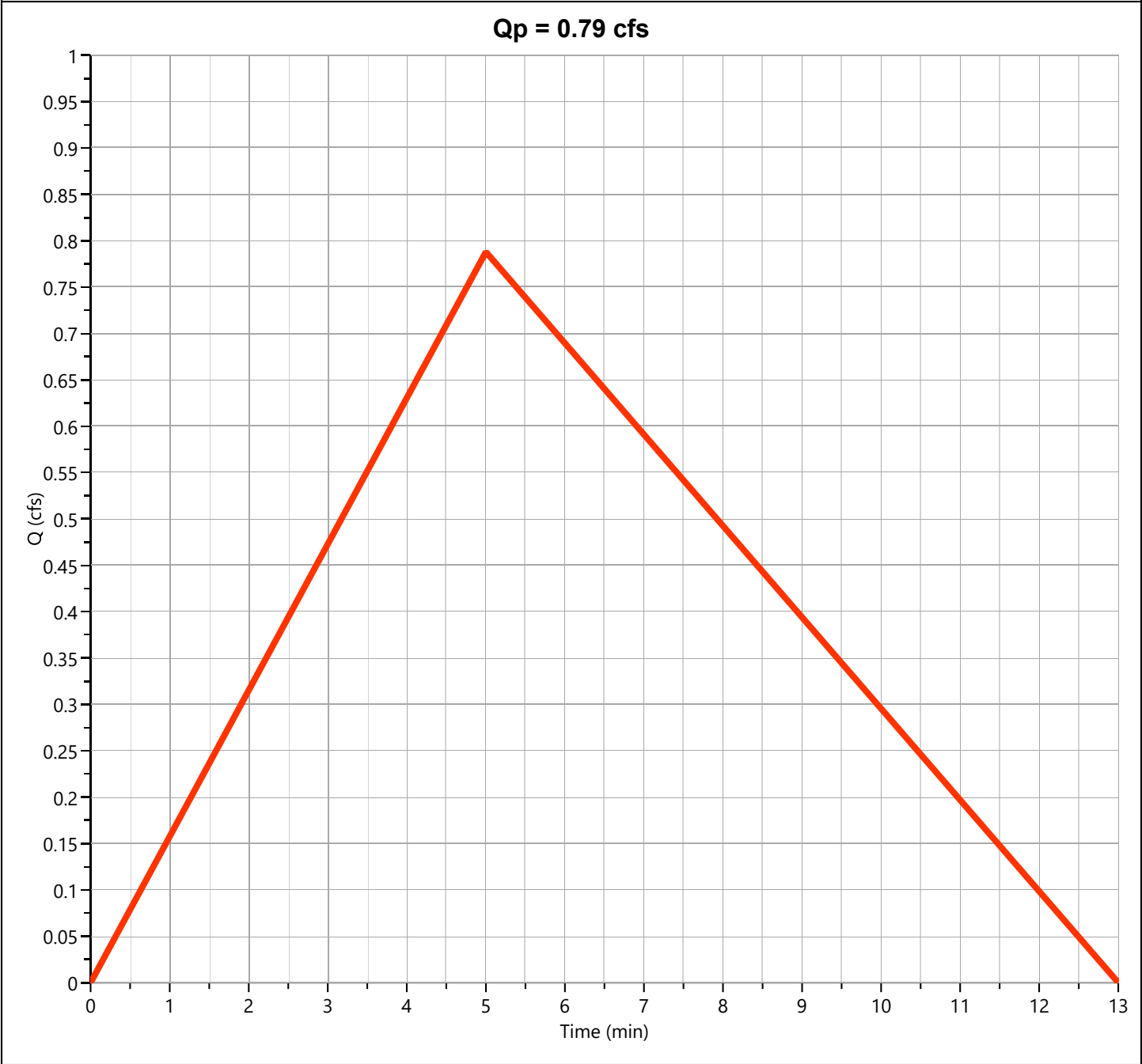
Center of mass detention time = 6 min



Post-Dev Basin B

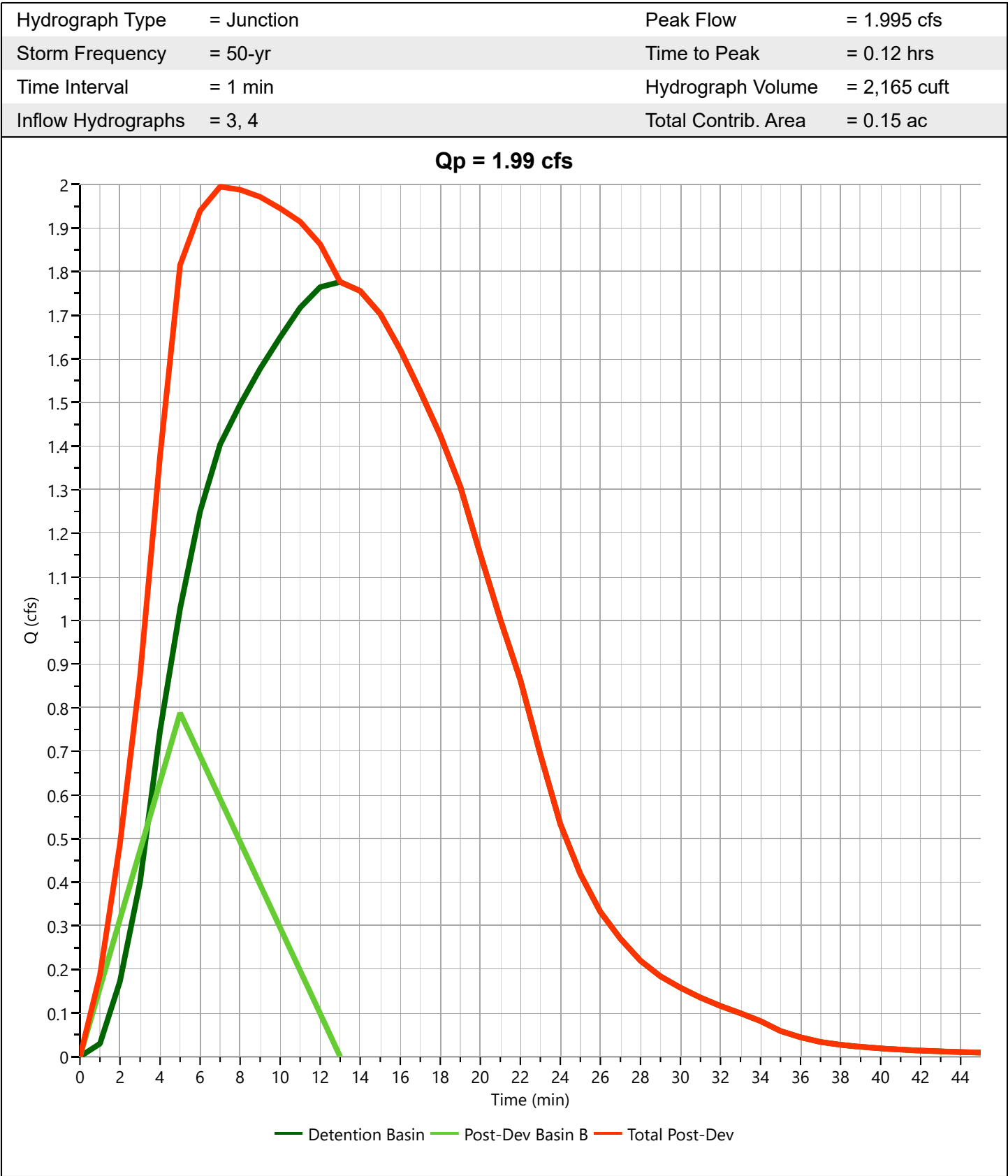
Hyd. No. 4

| | | | |
|--------------------|--------------------------------|----------------------|---------------|
| Hydrograph Type | = Rational | Peak Flow | = 0.788 cfs |
| Storm Frequency | = 50-yr | Time to Peak | = 0.08 hrs |
| Time Interval | = 1 min | Runoff Volume | = 316 cuft |
| Drainage Area | = 0.15 ac | Runoff Coeff. | = 0.51 |
| Tc Method | = User | Time of Conc. (Tc) | = 5.0 min |
| IDF Curve | = City of Bryant IDF Curve.idf | Intensity | = 10.30 in/hr |
| Freq. Corr. Factor | = 1.00 | Asc/Rec Limb Factors | = 1/1.67 |



Total Post-Dev

Hyd. No. 5



Hydrograph 100-yr Summary

Project Name: Jamey South Parking Lot

Hydrology Studio v 3.0.0.27

08-05-2025

[illegible]

Hydrograph Report

Project Name: Jamey South Parking Lot

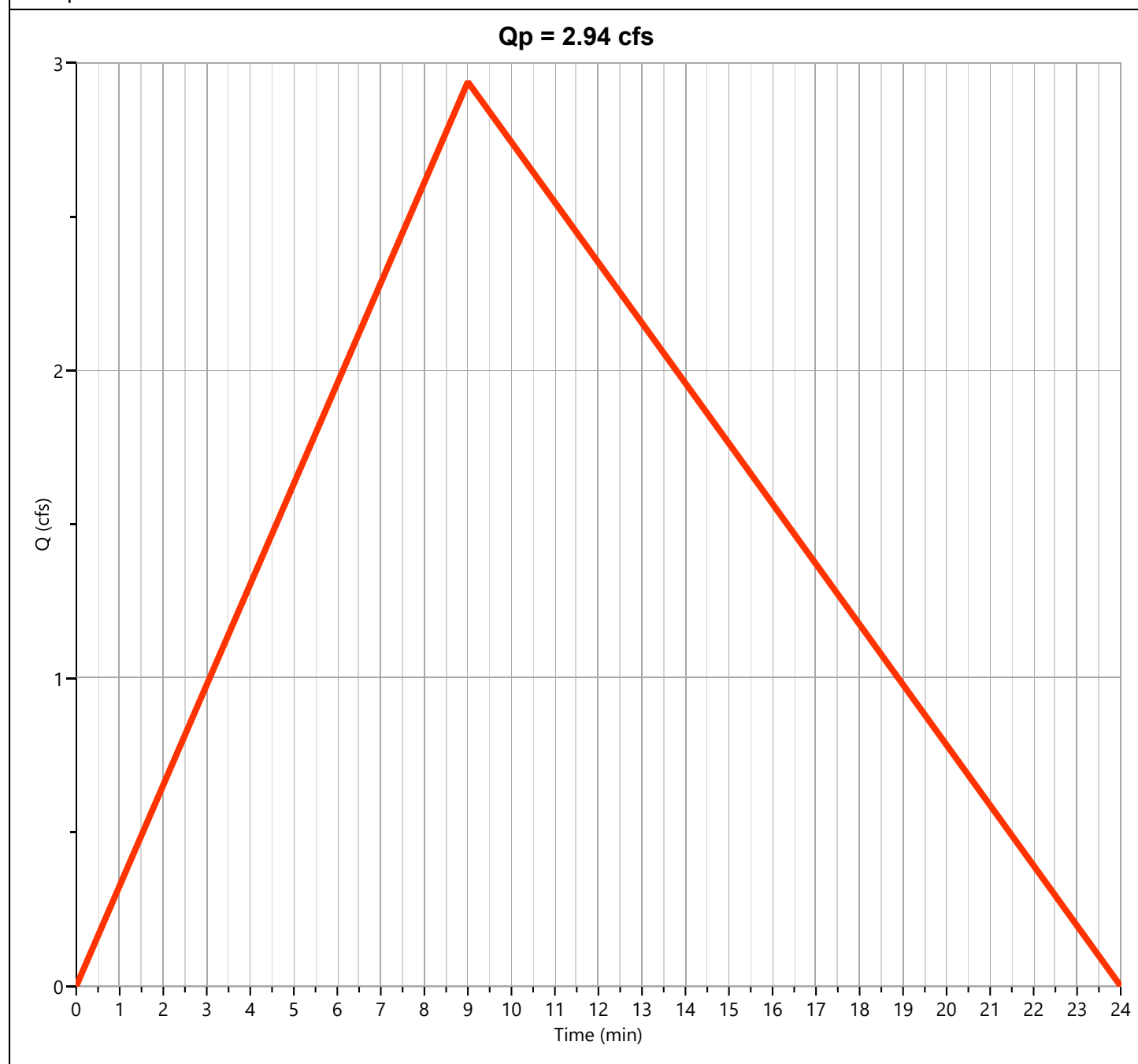
Hydrology Studio v 3.0.0.27

08-05-2025

Pre-Dev Basin

Hyd. No. 1

| | | | |
|--------------------|--------------------------------|----------------------|--------------|
| Hydrograph Type | = Rational | Peak Flow | = 2.938 cfs |
| Storm Frequency | = 100-yr | Time to Peak | = 0.15 hrs |
| Time Interval | = 1 min | Runoff Volume | = 2,118 cuft |
| Drainage Area | = 0.56 ac | Runoff Coeff. | = 0.61 |
| Tc Method | = TR55 | Time of Conc. (Tc) | = 9.0 min |
| IDF Curve | = City of Bryant IDF Curve.idf | Intensity | = 8.60 in/hr |
| Freq. Corr. Factor | = 1.00 | Asc/Rec Limb Factors | = 1/1.67 |



Hydrograph Report

Project Name: Jamey South Parking Lot

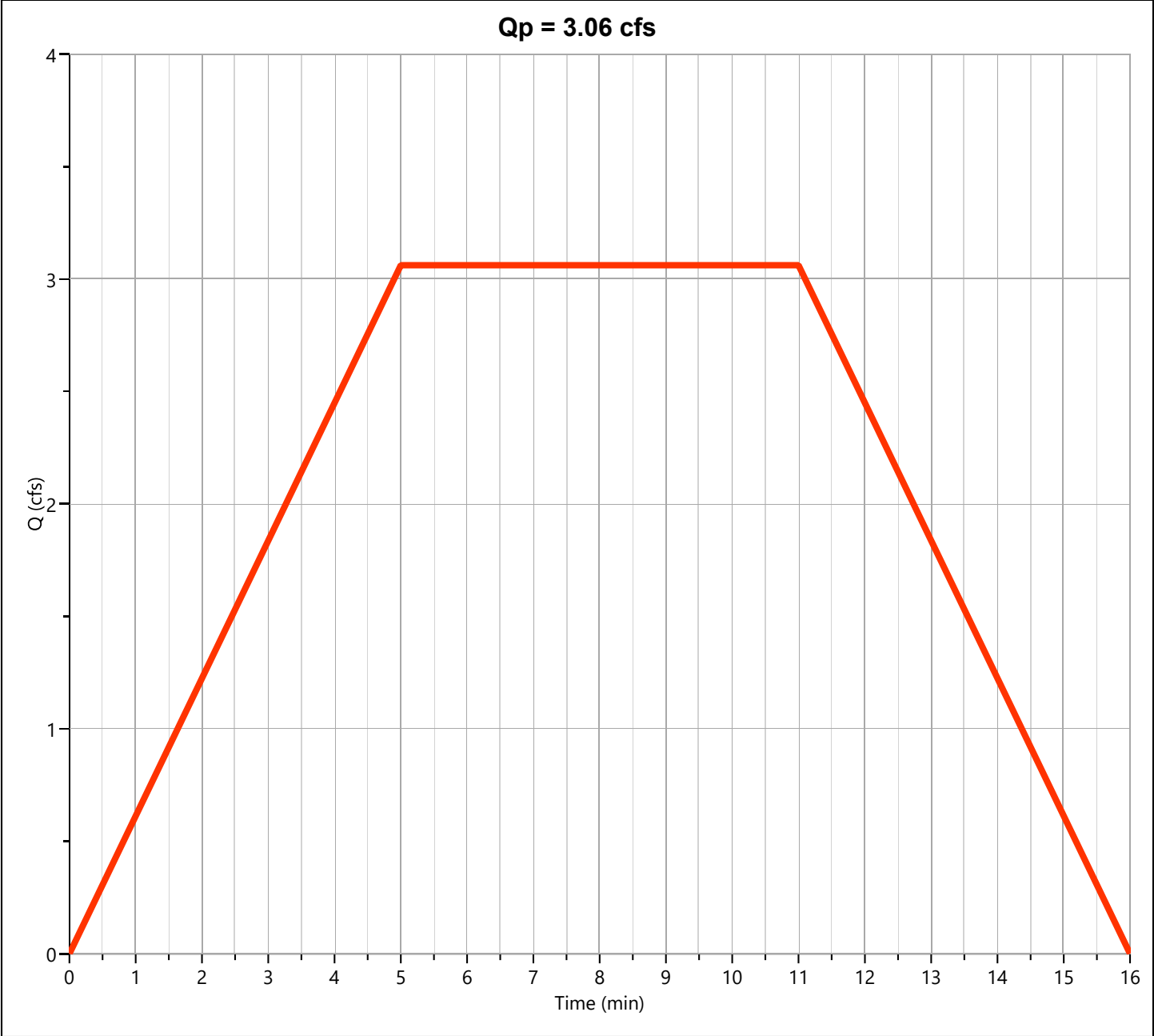
Hydrology Studio v 3.0.0.27

08-05-2025

Post-Dev Basin A

Hyd. No. 2

| | | | |
|--------------------|--------------------------------|--------------------|--------------|
| Hydrograph Type | = Mod Rational | Peak Flow | = 3.062 cfs |
| Storm Frequency | = 100-yr | Time to Peak | = 0.08 hrs |
| Time Interval | = 1 min | Runoff Volume | = 2,021 cuft |
| Drainage Area | = 0.41 ac | Runoff Coeff. | = 0.95 |
| Tc Method | = User | Time of Conc. (Tc) | = 5.0 min |
| IDF Curve | = City of Bryant IDF Curve.idf | Intensity | = 7.86 in/hr |
| Freq. Corr. Factor | = 1.00 | Storm Duration | = 2.2 x Tc |
| Target Q | = 0.000 cfs | Required Storage | = 0.000 cuft |



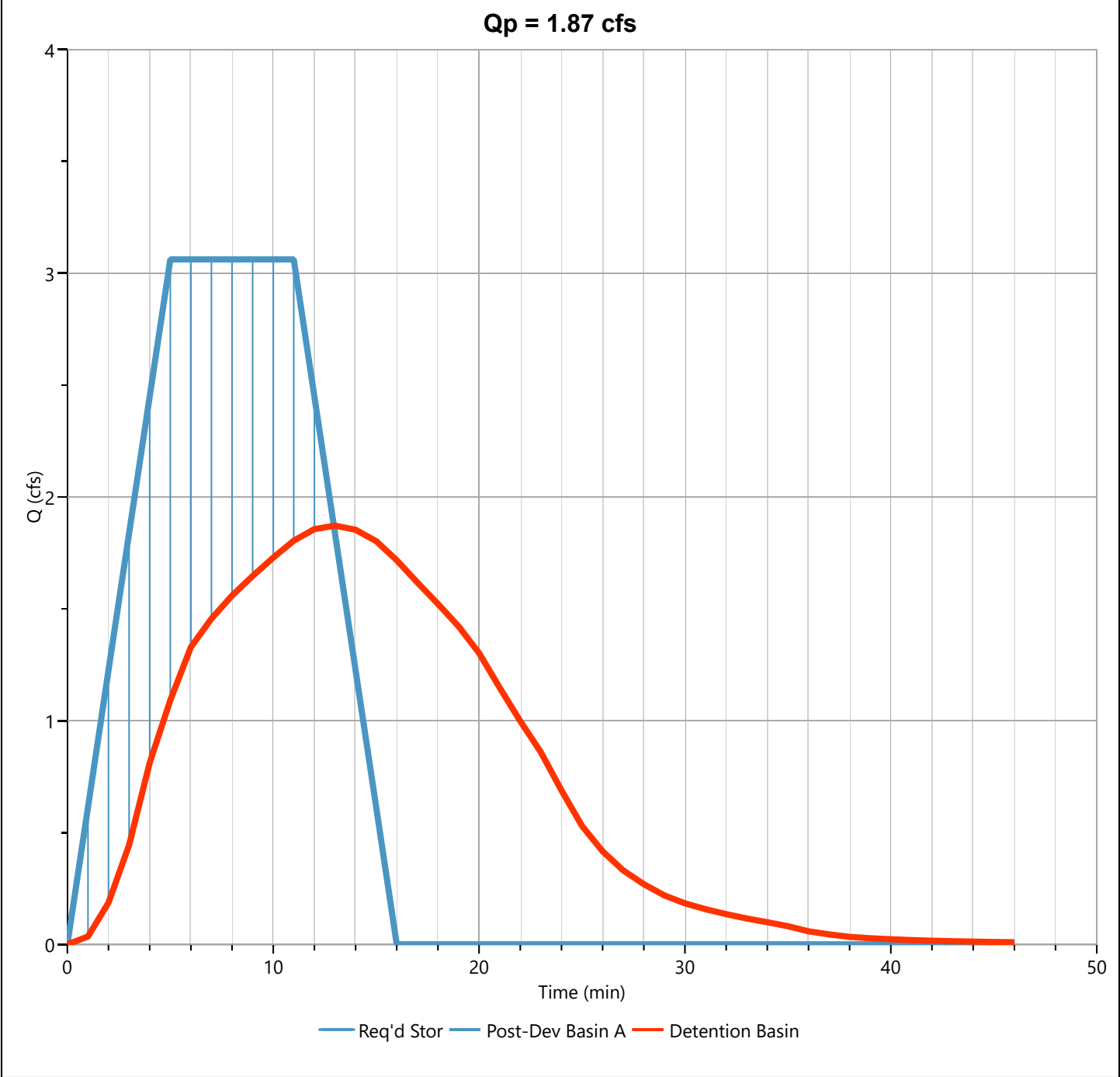
Detention Basin

Hyd. No. 3

| | | | |
|-------------------|------------------------------|-------------------|--------------|
| Hydrograph Type | = Pond Route | Peak Flow | = 1.872 cfs |
| Storm Frequency | = 100-yr | Time to Peak | = 0.22 hrs |
| Time Interval | = 1 min | Hydrograph Volume | = 2,018 cuft |
| Inflow Hydrograph | = 2 - Post-Dev Basin A | Max. Elevation | = 445.18 ft |
| Pond Name | = Jamey South Detention Pond | Max. Storage | = 963 cuft |

Pond Routing by Storage Indication Method

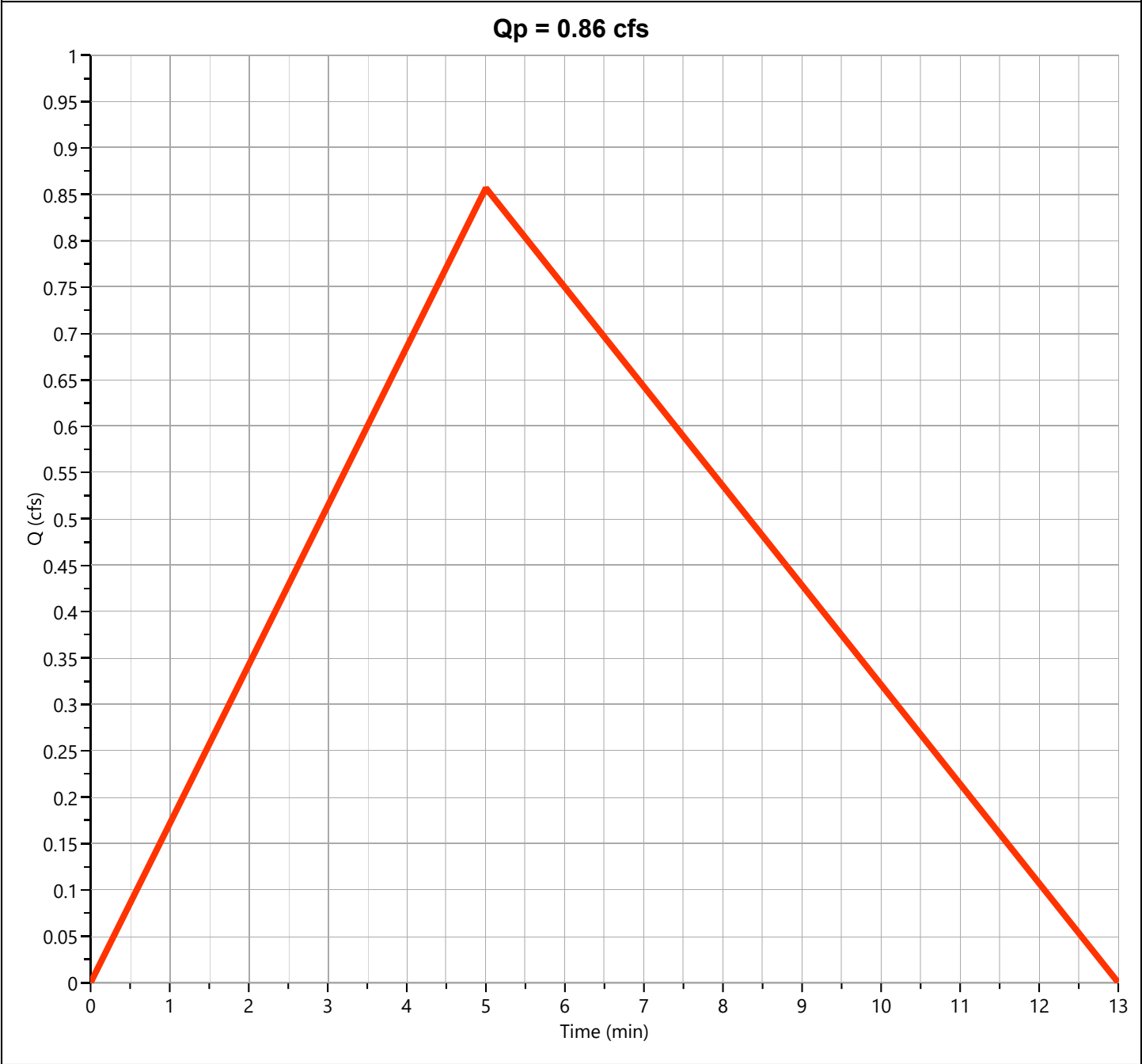
Center of mass detention time = 7 min



Post-Dev Basin B

Hyd. No. 4

| | | | |
|--------------------|--------------------------------|----------------------|---------------|
| Hydrograph Type | = Rational | Peak Flow | = 0.857 cfs |
| Storm Frequency | = 100-yr | Time to Peak | = 0.08 hrs |
| Time Interval | = 1 min | Runoff Volume | = 343 cuft |
| Drainage Area | = 0.15 ac | Runoff Coeff. | = 0.51 |
| Tc Method | = User | Time of Conc. (Tc) | = 5.0 min |
| IDF Curve | = City of Bryant IDF Curve.idf | Intensity | = 11.20 in/hr |
| Freq. Corr. Factor | = 1.00 | Asc/Rec Limb Factors | = 1/1.67 |



Total Post-Dev

Hyd. No. 5

| | | | |
|--------------------|------------|---------------------|--------------|
| Hydrograph Type | = Junction | Peak Flow | = 2.098 cfs |
| Storm Frequency | = 100-yr | Time to Peak | = 0.12 hrs |
| Time Interval | = 1 min | Hydrograph Volume | = 2,352 cuft |
| Inflow Hydrographs | = 3, 4 | Total Contrib. Area | = 0.15 ac |

