

## Joseph Sandstrom (9)

PPR2621

It appears that the northern parking lot is being constructed under this application. Please revise and include.

Because of the increase in flows is this existing system still adequate? See related comments in calculations and please address.

Please address the increase in flows coming from the proposed roof drains and whether the original drainage report, infrastructure, and pond accounted for these flows.

In the body of the report please address what has changed from the approved report in more detail as it seems like there are substantial changes.

The developed flow for the phase 1-2 has increased from the phase 1 condition in PPR199 for several design points. Please address in the report whether the existing infrastructure is still capable of handling these increased flows and provide supporting calculations.

Similar comment to page 7.

| SCS <sup>TM</sup><br>VELOCITY<br>(FT/SE) | T <sub>0</sub> <sup>TM</sup><br>(MIN) | TOTAL<br>T <sub>0</sub> <sup>TM</sup><br>(MIN) | TOTAL<br>T <sub>0</sub> <sup>TM</sup><br>(MIN) | INTENSITY <sup>TM</sup><br>5-YR<br>(IN/HR) | 100-YR<br>(IN/HR) | PSAK Q4 <sup>TM</sup><br>(IN/HR) | FLOR Q40 <sup>TM</sup><br>(OFS) |
|------------------------------------------|---------------------------------------|------------------------------------------------|------------------------------------------------|--------------------------------------------|-------------------|----------------------------------|---------------------------------|
| 4.20                                     | 6.2                                   | 17.0                                           | 17.0                                           | 3.33                                       | 5.58              | 18.4                             | 58.4                            |
| 1.5C                                     | 5.8                                   | 8.0                                            | 8.0                                            | 2.50                                       | 7.04              | 1.8                              | 32.4                            |

**Subject:** Callout  
**Page Label:** 9  
**Author:** Joseph Sandstrom  
**Date:** 8/13/2026 10:16:24 PM  
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Similar comment to page 7.

Based on other comments regarding the north parking lot...is it included in the calculations (if it is proposed in this phase)? Please revise as needed.

**Subject:** Callout  
**Page Label:** 11  
**Author:** Joseph Sandstrom  
**Date:** 8/13/2026 10:16:53 PM  
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Based on other comments regarding the north parking lot...is it included in the calculations (if it is proposed in this phase)? Please revise as needed.

Comments made on the LOI and SDP regarding whether this parking lot is future or proposed under this application as the labeling shows future and the linetype makes it look like it is proposed under this application.

Glenn Reese - EPC Stormwater (6)

the inputs on this page and the need after I unwisely equated the inputs on the original C14 table with the inputs on the FDR with PP19-26. For example, the Watershed Area on sheet 11a.c, and the original design had 12.5a.c (I would expect that if anything, the watershed area would increase or stay the same, but I don't know). The input is shown as 9.0 here and 9.0 on the original table. Was the embankment really lowered 28'?

Is possible that I'm looking at cells that don't represent the final design. After the air-bath condition, I go back to the air-bath cell associated with PP19-26 and shift left one column each table. So the original final design isn't in the FDR for PP19-16, I don't know where to find it. It would be helpful to just attach here the lower cells you used to build off of for these PP19-26. I can't find the cells in the FDR. (For Reference Only at the top of this is clear.

**Subject:** SW - Textbox  
**Page Label:** 12  
**Author:** Glenn Reese - EPC Stormwater  
**Date:** 8/12/2026 1:46:04 PM  
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The inputs on this page and the next differ in unexpected ways from the inputs on the original C14 calcs approved in the FDR with PPR199. For example: the Watershed Area on this sheet is 18ac, and the original design had 18.14ac (I would expect that if anything, the watershed area would increase or stay the same). Likewise the depth of the pond is shown as 8ft here and 9ft on the original calcs. Was the embankment really lowered 1ft?

It's possible that I'm looking at calcs that don't represent the final design and/or the as-built condition. I did look in the CON file associated with PPR199 and didn't see as-built calcs there. So if the original final design isn't in the FDR for PPR199, I don't know where to find it. It would be helpful to just attach here whichever calcs you used to build off of for these PPR2621 calcs. Once attached, just label the calcs as "For Reference Only" at the top so it's clear.

[illegible]

**Subject:** Group  
**Page Label:** 13  
**Author:** Glenn Reese - EPC Stormwater  
**Date:** 8/12/2026 1:59:18 PM  
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|              |
|--------------|
| 4.00         |
| 0.00         |
| 4.00         |
| Type C Grate |
| 50%          |

**Subject:** SW - Rectangle  
**Page Label:** 13  
**Author:** Glenn Reese - EPC Stormwater  
**Date:** 8/12/2026 1:50:10 PM  
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|                                                          |                                       |
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| ft                                                       | Not Selected                          |
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| N/A                                                      | feet                                  |
| N/A                                                      | ft-V                                  |
| N/A                                                      | feet                                  |
| N/A                                                      | ft                                    |
| N/A                                                      | %                                     |
| N/A                                                      | %                                     |

**Subject:** SW - Textbox with Arrow  
**Page Label:** 13  
**Author:** Glenn Reese - EPC Stormwater  
**Date:** 8/12/2026 1:50:35 PM  
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2.5 in CDs

|                                       |  |
|---------------------------------------|--|
| = calcs match details in plans        |  |
| = calcs do not match details in plans |  |

**Subject:** MHFD Calcs  
**Page Label:** 13  
**Author:** Glenn Reese - EPC Stormwater  
**Date:** 8/12/2026 1:53:07 PM  
**Status:**  
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|     |     |     |
|-----|-----|-----|
| 0.1 | 0.5 | 1.1 |
| 0.2 | 0.6 | 1.2 |
| 0.3 | 0.7 | 1.3 |
| 0.4 | 0.8 | 1.4 |
| 0.5 | 0.9 | 1.5 |
| 0.6 | 1.0 | 1.6 |
| 0.7 | 1.1 | 1.7 |
| 0.8 | 1.2 | 1.8 |
| 0.9 | 1.3 | 1.9 |
| 1.0 | 1.4 | 2.0 |

**Subject:** SW - Textbox with Arrow  
**Page Label:** 13  
**Author:** Glenn Reese - EPC Stormwater  
**Date:** 8/12/2026 1:54:17 PM  
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Per state Senate Bill 15-212, this must be <72hrs

**FINAL DRAINAGE REPORT  
ADDENDUM NO. 2**

**for**

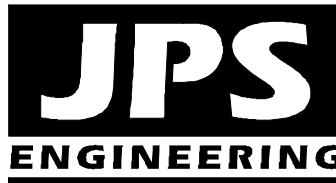
**MONUMENT ACADEMY TRACK AND FIELD  
LOT 1, MONUMENT ACADEMY SUBDIVISION**

**Prepared for:**

**Monument Academy Foundation**  
1150 Village Ridge Point  
Monument, CO 80132

July 21, 2026

**Prepared by:**



19 E. Willamette Avenue  
Colorado Springs, CO 80903  
(719)-477-9429  
[www.jpsengr.com](http://www.jpsengr.com)

JPS Project No. 040201  
PCD File Nos. EGP-261 / PPR-19-009

PPR2621

**MONUMENT ACADEMY SUBDIVISION  
FINAL DRAINAGE REPORT - ADDENDUM NO. 2  
DRAINAGE STATEMENTS**

Engineer's Statement:

The attached drainage plan and report were prepared under my direction and supervision and are correct to the best of my knowledge and belief. Said drainage report has been prepared according to the criteria established by the County for drainage reports and said report is in conformity with the master plan of the drainage basin. I accept responsibility for liability caused by negligent acts, errors or omissions on my part in preparing this report.

---

John P. Schwab, P.E. #29891

Developer's Statement:

I, the developer have read and will comply with all of the requirements specified in this drainage report and plan.

By:

---

Printed Name:

Date

Title:

Monument Academy Foundation  
1150 Village Ridge Point  
Monument, CO 80132

El Paso County's Statement:

Filed in accordance with the requirements of the El Paso County Land Development Code, Drainage Criteria Manual, Volumes 1 and 2, and Engineering Criteria Manual as amended.

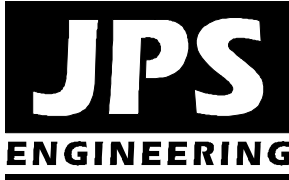
---

Joshua J. Palmer, P.E.

Date

County Engineer / ECM Administrator

Conditions:



19 E. Willamette Avenue  
Colorado Springs, CO 80903  
(719)-477-9429  
www.jpsengr.com

## **MONUMENT ACADEMY FINAL DRAINAGE REPORT - ADDENDUM NO. 2**

Monument Academy (MA) is proposing a phased program of improvements to the existing charter school campus on the 19.9-acre parcel (EPC Parcel No. 61150-09-033) at the southeast corner of Walker Road and Jane Lundeen Drive. The property is described as Lot 1, MA Subdivision.

Phase 2 improvements to the MA campus include completion of the Track and Field at the north end of the campus (approved in the original Site Development Plan). MA is also planning construction of a new Performing Arts Center Addition at the northwest corner of the existing school building.

It appears that the northern parking lot is being constructed under this application. Please revise and include.

Future phases of campus improvements are planned to include a Field Building along the west side of the Track, North Parking Lot Expansion, Gym Addition (northeast corner of existing school building), 3-Story Academic Addition (west side of existing school building), and Southwest Parking Lot. The proposed program of phased campus improvements is consistent with the originally approved Site Development Plan.

The proposed drainage plans for the Track and Field, Performing Arts Center, and future phases of school campus improvements to be constructed on the Monument Academy campus are in full conformance with the previously approved "Master Development Drainage Plan & Final Drainage Report for Monument Academy" dated April 9, 2020 (approved by El Paso County on 4/28/20; CDR-20-001).

Because of the increase in flows is this existing system still adequate? See related comments in calculations and please address.

### **Detention Pond C14**

The initial phase of school development included construction of the existing "Detention Pond C14" at the northeast corner of the site, which was designed to provide stormwater detention and water quality for the north side of the school campus. Initial site development also included an existing 18"-24" private storm sewer system conveying stormwater from the north side of the school building area to the existing Detention Pond C14.

Based on review of the impervious areas associated with final design of the track and field and related improvements on the north side of the MA campus, we have updated the detention pond calculations for the existing "Detention Pond C14" at the northeast corner of the site (enclosed in Appendix B).

The proposed Track and Field project will include expansion on the south side of the existing pond to meet 100-year pond volume requirements in accordance with the current detention pond calculations. Additionally, the orifice plate on the existing pond outlet structure will be upgraded per the enclosed detention pond calculations.

Drainage improvements for Phase 2 and future phases of campus improvements will also include private 8"-12" storm sewer improvements connecting to the existing trunk storm sewer lines constructed during the initial phase of development (as originally planned).

### Detention Pond M3

The initial phase of school development also included construction of the existing "Detention Pond M3" along the west side of Tract A, MA Subdivision, which was designed to provide stormwater detention and water quality for the south side of the school campus. Initial site development included an existing 18"-30" private storm sewer system conveying stormwater from the south side of the school building area to the existing Detention Pond M3. No changes are proposed to the existing Detention Pond M3 as part of this Addendum.

### Summary

Please address the increase in flows coming from the proposed roof drains and whether the original drainage report, infrastructure, and pond accounted for these flows.

In summary, the proposed Track and Field and Performing Arts Center projects will include an upgrade of the existing Detention Pond C14 based on final design of the site improvements at the north end of the MA campus.

**APPENDIX A**  
**HYDROLOGIC CALCULATIONS**

In the body of the report please address what has changed from the approved report in more detail as it seems like there are substantial changes.

| MONUMENT ACADEMY<br>COMPOSITE RUNOFF COEFFICIENTS      |                       |      |                                     |      |              |                                     |      |      |                                     |   |                     |
|--------------------------------------------------------|-----------------------|------|-------------------------------------|------|--------------|-------------------------------------|------|------|-------------------------------------|---|---------------------|
| DEVELOPED CONDITIONS - INTERIM (PHASE 1-2 DEVELOPMENT) |                       |      |                                     |      |              |                                     |      |      |                                     |   |                     |
| 5-YEAR C VALUES                                        |                       |      |                                     |      |              |                                     |      |      |                                     |   |                     |
| BASIN                                                  | TOTAL<br>AREA<br>(AC) | (AC) | SUB-AREA 1<br>DEVELOPMENT/<br>COVER | C    | AREA<br>(AC) | SUB-AREA 2<br>DEVELOPMENT/<br>COVER | C    | (AC) | SUB-AREA 3<br>DEVELOPMENT/<br>COVER | C | WEIGHTED<br>C VALUE |
| C14                                                    | 15.67                 | 5.20 | BUILDING / PAVEMENT                 | 0.90 | 10.47        | LANDSCAPED                          | 0.08 |      |                                     |   | 0.352               |
| C15                                                    | 1.20                  | 0.33 | ROADWAY                             | 0.90 | 0.87         | LANDSCAPED                          | 0.08 |      |                                     |   | 0.306               |
| C16                                                    | 1.09                  | 0.68 | ROADWAY                             | 0.90 | 0.41         | LANDSCAPED                          | 0.08 |      |                                     |   | 0.592               |
| C14-C16                                                | 17.96                 |      |                                     |      |              |                                     |      |      |                                     |   | 0.364               |
| M1                                                     | 7.06                  | 7.06 | MEADOW                              | 0.08 |              |                                     |      |      |                                     |   | 0.080               |
| M2                                                     | 7.50                  | 4.80 | BUILDING / PAVEMENT                 | 0.90 | 2.70         | LANDSCAPED                          | 0.08 |      |                                     |   | 0.605               |
| M2.2A                                                  | 0.18                  | 0.10 | PAVEMENT                            | 0.90 | 0.08         | LANDSCAPED                          | 0.08 |      |                                     |   | 0.536               |
| M3                                                     | 7.73                  | 0.23 | ROADWAY                             | 0.90 | 7.50         | POND / LANDSCAPE                    | 0.08 |      |                                     |   | 0.104               |
| M4                                                     | 3.02                  | 0.34 | ROADWAY                             | 0.90 | 2.68         | POND / LANDSCAPE                    | 0.08 |      |                                     |   | 0.172               |
| M2,M3,M4                                               | 18.43                 |      |                                     |      |              |                                     |      |      |                                     |   | 0.323               |
| OM1                                                    | 2.00                  | 2.00 | MEADOW                              | 0.08 |              |                                     |      |      |                                     |   | 0.080               |
| M5                                                     | 21.24                 | 0.49 | ROADWAY                             | 0.90 | 20.75        | FOREST / MEADOW                     | 0.08 |      |                                     |   | 0.099               |
| OM1,M5                                                 | 23.24                 |      |                                     |      |              |                                     |      |      |                                     |   | 0.097               |
| 100-YEAR C VALUES                                      |                       |      |                                     |      |              |                                     |      |      |                                     |   |                     |
| BASIN                                                  | TOTAL<br>AREA<br>(AC) | (AC) | SUB-AREA 1<br>DEVELOPMENT/<br>COVER | C    | AREA<br>(AC) | SUB-AREA 2<br>DEVELOPMENT/<br>COVER | C    | (AC) | SUB-AREA 3<br>DEVELOPMENT/<br>COVER | C | WEIGHTED<br>C VALUE |
| C14                                                    | 15.67                 | 5.20 | BUILDING / PAVEMENT                 | 0.96 | 10.47        | LANDSCAPED                          | 0.35 |      |                                     |   | 0.552               |
| C15                                                    | 1.20                  | 0.33 | ROADWAY                             | 0.90 | 0.87         | LANDSCAPED                          | 0.08 |      |                                     |   | 0.306               |
| C16                                                    | 1.09                  | 0.68 | ROADWAY                             | 0.90 | 0.41         | LANDSCAPED                          | 0.08 |      |                                     |   | 0.592               |
| C14-C16                                                | 17.96                 |      |                                     |      |              |                                     |      |      |                                     |   | 0.538               |
| M1                                                     | 7.06                  | 7.06 | MEADOW                              | 0.35 |              |                                     |      |      |                                     |   | 0.350               |
| M2                                                     | 7.50                  | 4.80 | BUILDING / PAVEMENT                 | 0.96 | 2.70         | LANDSCAPED                          | 0.35 |      |                                     |   | 0.740               |
| M2.2A                                                  | 0.18                  | 0.10 | PAVEMENT                            | 0.96 | 0.08         | LANDSCAPED                          | 0.35 |      |                                     |   | 0.689               |
| M3                                                     | 7.73                  | 0.23 | ROADWAY                             | 0.96 | 7.50         | POND / LANDSCAPE                    | 0.35 |      |                                     |   | 0.368               |
| M4                                                     | 3.02                  | 0.34 | ROADWAY                             | 0.96 | 2.68         | POND / LANDSCAPE                    | 0.35 |      |                                     |   | 0.419               |
| M2,M3,M4                                               | 18.43                 |      |                                     |      |              |                                     |      |      |                                     |   | 0.531               |
| OM1                                                    | 2.00                  | 2.00 | MEADOW                              | 0.35 |              |                                     |      |      |                                     |   | 0.350               |
| M5                                                     | 21.24                 | 0.49 | ROADWAY                             | 0.96 | 20.75        | FOREST / MEADOW                     | 0.35 |      |                                     |   | 0.364               |
| OM1,M5                                                 | 23.24                 |      |                                     |      |              |                                     |      |      |                                     |   | 0.363               |

MONUMENT ACADEMY  
RATIONAL METHOD

DEVELOPED FLOWS - INTERIM CONDITIONS (PHASE 1-2)

The developed flow for the phase 1-2 has increased from the phase 1 condition in PPR199 for several design points. Please address in the report whether the existing infrastructure is still capable of handling these increased flows and provide supporting calculations.

| BASIN               | DESIGN POINT | AREA (AC) | C        |          | Overland Flow |               |                                      | Channel flow        |                          |               |                                    |                                     | TOTAL T <sub>c</sub> <sup>(4)</sup> (MIN) | TOTAL T <sub>c</sub> <sup>(4)</sup> (MIN) | INTENSITY <sup>(5)</sup> |                | PEAK FLOW               |                           |
|---------------------|--------------|-----------|----------|----------|---------------|---------------|--------------------------------------|---------------------|--------------------------|---------------|------------------------------------|-------------------------------------|-------------------------------------------|-------------------------------------------|--------------------------|----------------|-------------------------|---------------------------|
|                     |              |           | 5-YEAR   | 100-YEAR | LENGTH (FT)   | SLOPE (FT/FT) | T <sub>co</sub> <sup>(1)</sup> (MIN) | CHANNEL LENGTH (FT) | CONVEYANCE COEFFICIENT C | SLOPE (FT/FT) | SCS <sup>(2)</sup> VELOCITY (FT/S) | T <sub>t</sub> <sup>(3)</sup> (MIN) |                                           |                                           | 5-YR (IN/HR)             | 100-YR (IN/HR) | Q5 <sup>(6)</sup> (CFS) | Q100 <sup>(6)</sup> (CFS) |
|                     |              |           | MA SITE: |          |               |               |                                      |                     |                          |               |                                    |                                     |                                           |                                           |                          |                |                         |                           |
| C14                 | C14          | 15.67     | 0.352    | 0.552    | 100           | 0.020         | 10.9                                 | 1550                | 20                       | 0.044         | 4.20                               | 6.2                                 | 17.0                                      | 17.0                                      | 3.33                     | 5.59           | 18.4                    | 48.4                      |
| C15                 | C15          | 1.20      | 0.306    | 0.306    | 20            | 0.020         | 5.2                                  | 760                 | 20                       | 0.028         | 3.35                               | 3.8                                 | 8.9                                       | 8.9                                       | 4.30                     | 7.21           | 1.6                     | 2.6                       |
| C16                 | C16          | 1.09      | 0.592    | 0.592    | 30            | 0.020         | 4.0                                  | 870                 | 20                       | 0.028         | 3.35                               | 4.3                                 | 8.4                                       | 8.4                                       | 4.39                     | 7.38           | 2.8                     | 4.8                       |
| C14-C16             | C16.1        | 17.96     | 0.364    | 0.538    |               |               |                                      |                     |                          |               |                                    |                                     | 17.0                                      | 17.0                                      | 3.33                     | 5.59           | 21.8                    | 54.0                      |
| M1                  | M1           | 5.94      | 0.080    | 0.350    | 300           | 0.037         | 20.9                                 | 400                 | 15                       | 0.075         | 4.11                               | 1.6                                 | 22.5                                      | 22.5                                      | 2.91                     | 4.88           | 1.4                     | 10.2                      |
| M2                  | M2           | 7.50      | 0.605    | 0.740    | 100           | 0.040         | 5.7                                  | 670                 | 20                       | 0.031         | 3.52                               | 3.2                                 | 8.9                                       | 8.9                                       | 4.31                     | 7.23           | 19.5                    | 40.1                      |
| M2.2A               | M2.2A        | 0.18      | 0.536    | 0.689    | 25            | 2.000         | 0.9                                  | 165                 | 20                       | 0.010         | 2.00                               | 1.4                                 | 2.3                                       | 5.0                                       | 5.17                     | 8.68           | 0.5                     | 1.1                       |
| M3                  |              | 7.14      | 0.104    | 0.368    | 100           | 0.020         | 14.5                                 | 600                 | 20                       | 0.053         | 4.60                               | 2.2                                 | 16.6                                      | 16.6                                      | 3.36                     | 5.65           | 2.5                     | 14.8                      |
| M4                  | M4           | 3.02      | 0.172    | 0.419    | 100           | 0.020         | 13.5                                 | 450                 | 15                       | 0.084         | 4.35                               | 1.7                                 | 15.2                                      | 15.2                                      | 3.50                     | 5.88           | 1.8                     | 7.4                       |
| M2,M3,M4            | M3.1         | 17.84     | 0.323    | 0.531    |               |               |                                      |                     |                          |               |                                    |                                     | 16.6                                      | 16.6                                      | 3.36                     | 5.65           | 19.4                    | 53.5                      |
| OM1                 | OM1          | 2.90      | 0.080    | 0.350    | 100           | 0.060         | 10.3                                 | 450                 | 15                       | 0.053         | 3.45                               | 2.2                                 | 12.5                                      | 12.5                                      | 3.80                     | 6.38           | 0.9                     | 6.5                       |
| M5                  | M5           | 21.24     | 0.099    | 0.364    |               |               | 0.0                                  | 1350                | 15                       | 0.049         | 3.32                               | 6.8                                 | 6.8                                       | 6.8                                       | 4.71                     | 7.91           | 9.9                     | 61.2                      |
| OM1,M5              | M5.1         | 24.14     | 0.097    | 0.363    |               |               |                                      |                     |                          |               |                                    |                                     | 19.2                                      | 19.2                                      | 3.15                     | 5.28           | 7.4                     | 46.3                      |
| WALKER ROAD & SH83: |              |           |          |          |               |               |                                      |                     |                          |               |                                    |                                     |                                           |                                           |                          |                |                         |                           |
| OM2                 | OM2          | 1.10      | 0.272    | 0.493    | 30            | 0.067         | 4.4                                  | 560                 | 15                       | 0.043         | 3.11                               | 3.0                                 | 7.4                                       | 7.4                                       | 4.58                     | 7.69           | 1.4                     | 4.2                       |
| M6                  | M6           | 1.46      | 0.280    | 0.499    | 30            | 0.320         | 2.6                                  | 620                 | 15                       | 0.014         | 1.77                               | 5.8                                 | 8.4                                       | 8.4                                       | 4.39                     | 7.37           | 1.8                     | 5.4                       |
| M1,M6               | M6.1         | 7.40      | 0.119    | 0.379    |               |               |                                      | 350                 | 15                       | 0.023         | 2.27                               | 2.6                                 | 25.1                                      | 25.1                                      | 2.75                     | 4.61           | 2.4                     | 12.9                      |
| OM3                 | OM3          | 2.80      | 0.175    | 0.421    | 30            | 0.067         | 4.9                                  | 510                 | 15                       | 0.047         | 3.25                               | 2.6                                 | 7.5                                       | 7.5                                       | 4.55                     | 7.65           | 2.2                     | 9.0                       |
| M1,M6,OM3           | OM3.1        | 10.20     | 0.135    | 0.391    |               |               |                                      | 120                 | 20                       | 0.009         | 1.90                               | 1.1                                 | 26.2                                      | 26.2                                      | 2.69                     | 4.51           | 3.7                     | 18.0                      |
|                     |              |           |          |          |               |               |                                      |                     |                          |               |                                    |                                     |                                           |                                           |                          |                |                         |                           |

- 1) OVERLAND FLOW  $T_{co} = (0.395 * (1.1 - \text{RUNOFF COEFFICIENT}) * (\text{OVERLAND FLOW LENGTH}^{0.5}) / (\text{SLOPE}^{0.333}))$
- 2) SCS VELOCITY =  $C * ((\text{SLOPE (FT/FT)})^{0.5})$   
 C = 2.5 FOR HEAVY MEADOW  
 C = 5 FOR TILLAGE/FIELD  
 C = 7 FOR SHORT PASTURE AND LAWNS  
 C = 10 FOR NEARLY BARE GROUND  
 C = 15 FOR GRASSED WATERWAY  
 C = 20 FOR PAVED AREAS AND SHALLOW PAVED SWALES
- 3) MANNING'S CHANNEL TRAVEL TIME =  $L/V$  (WHEN CHANNEL VELOCITY IS KNOWN)
- 4)  $T_c = T_{co} + T_t$   
 \*\*\* IF TOTAL TIME OF CONCENTRATION IS LESS THAN 5 MINUTES, THEN 5 MINUTES IS USED
- 5) INTENSITY BASED ON I-D-F EQUATIONS IN CITY OF COLORADO SPRINGS DRAINAGE CRITERIA MANUAL  
 $I_5 = -1.5 * \ln(T_c) + 7.583$   
 $I_{100} = -2.52 * \ln(T_c) + 12.735$
- 6)  $Q = C_i A$

| MONUMENT ACADEMY<br>COMPOSITE RUNOFF COEFFICIENTS |                       |       |                                     |      |              |                                     |      |      |                                     |   |                     |
|---------------------------------------------------|-----------------------|-------|-------------------------------------|------|--------------|-------------------------------------|------|------|-------------------------------------|---|---------------------|
| DEVELOPED CONDITIONS - ULTIMATE                   |                       |       |                                     |      |              |                                     |      |      |                                     |   |                     |
| 5-YEAR C VALUES                                   |                       |       |                                     |      |              |                                     |      |      |                                     |   |                     |
| BASIN                                             | TOTAL<br>AREA<br>(AC) | (AC)  | SUB-AREA 1<br>DEVELOPMENT/<br>COVER | C    | AREA<br>(AC) | SUB-AREA 2<br>DEVELOPMENT/<br>COVER | C    | (AC) | SUB-AREA 3<br>DEVELOPMENT/<br>COVER | C | WEIGHTED<br>C VALUE |
| C14                                               | 15.67                 | 5.20  | BUILDING / PAVEMENT                 | 0.90 | 10.47        | LANDSCAPED                          | 0.08 |      |                                     |   | 0.352               |
| C15                                               | 1.20                  | 0.33  | ROADWAY                             | 0.90 | 0.87         | LANDSCAPED                          | 0.08 |      |                                     |   | 0.306               |
| C16                                               | 1.09                  | 0.68  | ROADWAY                             | 0.90 | 0.41         | LANDSCAPED                          | 0.08 |      |                                     |   | 0.592               |
| C14-C16                                           | 17.96                 |       |                                     |      |              |                                     |      |      |                                     |   | 0.364               |
| M1                                                | 7.06                  | 7.06  | NH BUSINESS                         | 0.49 |              |                                     |      |      |                                     |   | 0.490               |
| M2                                                | 7.50                  | 4.80  | BUILDING / PAVEMENT                 | 0.90 | 2.70         | LANDSCAPED                          | 0.08 |      |                                     |   | 0.605               |
| M2.2A                                             | 0.18                  | 0.10  | PAVEMENT                            | 0.90 | 0.08         | LANDSCAPED                          | 0.08 |      |                                     |   | 0.536               |
| M3                                                | 7.73                  | 6.08  | NH BUSINESS                         | 0.49 | 1.65         | POND / LANDSCAPE                    | 0.08 |      |                                     |   | 0.402               |
| M4                                                | 3.02                  | 3.02  | NH BUSINESS                         | 0.49 |              |                                     |      |      |                                     |   | 0.490               |
| M2,M3,M4                                          | 18.43                 |       |                                     |      |              |                                     |      |      |                                     |   | 0.500               |
| OM1                                               | 2.00                  | 2.00  | RESIDENTIAL-1-AC                    | 0.20 |              |                                     |      |      |                                     |   | 0.200               |
| M5                                                | 21.24                 | 10.62 | RESIDENTIAL-0.5-AC                  | 0.22 | 10.62        | RESIDENTIAL-1-AC                    | 0.2  |      |                                     |   | 0.210               |
| OM1,M5                                            | 23.24                 |       |                                     |      |              |                                     |      |      |                                     |   | 0.209               |
|                                                   |                       |       |                                     |      |              |                                     |      |      |                                     |   |                     |
| 100-YEAR C VALUES                                 |                       |       |                                     |      |              |                                     |      |      |                                     |   |                     |
| BASIN                                             | TOTAL<br>AREA<br>(AC) | (AC)  | SUB-AREA 1<br>DEVELOPMENT/<br>COVER | C    | AREA<br>(AC) | SUB-AREA 2<br>DEVELOPMENT/<br>COVER | C    | (AC) | SUB-AREA 3<br>DEVELOPMENT/<br>COVER | C | WEIGHTED<br>C VALUE |
| C14                                               | 15.67                 | 5.20  | BUILDING / PAVEMENT                 | 0.96 | 10.47        | LANDSCAPED                          | 0.35 |      |                                     |   | 0.552               |
| C15                                               | 1.20                  | 0.33  | ROADWAY                             | 0.90 | 0.87         | LANDSCAPED                          | 0.08 |      |                                     |   | 0.306               |
| C16                                               | 1.09                  | 0.68  | ROADWAY                             | 0.90 | 0.41         | LANDSCAPED                          | 0.08 |      |                                     |   | 0.592               |
| C14-C16                                           | 17.96                 |       |                                     |      |              |                                     |      |      |                                     |   | 0.538               |
| M1                                                | 7.06                  | 7.06  | NH BUSINESS                         | 0.62 |              |                                     |      |      |                                     |   | 0.620               |
| M2                                                | 7.50                  | 4.80  | BUILDING / PAVEMENT                 | 0.96 | 2.70         | LANDSCAPED                          | 0.35 |      |                                     |   | 0.740               |
| M2.2A                                             | 0.18                  | 0.10  | PAVEMENT                            | 0.96 | 0.08         | LANDSCAPED                          | 0.35 |      |                                     |   | 0.689               |
| M3                                                | 7.73                  | 6.08  | NH BUSINESS                         | 0.62 | 1.65         | POND / LANDSCAPE                    | 0.35 |      |                                     |   | 0.562               |
| M4                                                | 3.02                  | 3.02  | NH BUSINESS                         | 0.62 |              |                                     |      |      |                                     |   | 0.620               |
| M2,M3,M4                                          | 18.43                 |       |                                     |      |              |                                     |      |      |                                     |   | 0.645               |
| OM1                                               | 2.00                  | 2.00  | RESIDENTIAL-1-AC                    | 0.44 |              |                                     |      |      |                                     |   | 0.440               |
| M5                                                | 21.24                 | 10.62 | RESIDENTIAL-0.5-AC                  | 0.46 | 10.62        | RESIDENTIAL-1-AC                    | 0.44 |      |                                     |   | 0.450               |
| OM1,M5                                            | 23.24                 |       |                                     |      |              |                                     |      |      |                                     |   | 0.449               |
|                                                   |                       |       |                                     |      |              |                                     |      |      |                                     |   |                     |

Similar comment to  
page 7.

**MONUMENT ACADEMY  
RATIONAL METHOD**

**DEVELOPED FLOWS - ULTIMATE CONDITIONS**

| DEVELOPED FLOWS - UTMATE CONDITIONS |              |           |        |          | Overland Flow |               |                          | Channel flow        |                          |               |                                    |                         |                               |                               | INTENSITY <sup>(5)</sup> |                |                         |                           | PEAK FLOW |  |
|-------------------------------------|--------------|-----------|--------|----------|---------------|---------------|--------------------------|---------------------|--------------------------|---------------|------------------------------------|-------------------------|-------------------------------|-------------------------------|--------------------------|----------------|-------------------------|---------------------------|-----------|--|
| BASIN                               | DESIGN POINT | AREA (AC) | C      |          | LENGTH (FT)   | SLOPE (FT/FT) | Tco <sup>(1)</sup> (MIN) | CHANNEL LENGTH (FT) | CONVEYANCE COEFFICIENT C | SLOPE (FT/FT) | SCS <sup>(2)</sup> VELOCITY (FT/S) | Tt <sup>(3)</sup> (MIN) | TOTAL Tc <sup>(4)</sup> (MIN) | TOTAL Tc <sup>(4)</sup> (MIN) | 5-YR (IN/HR)             | 100-YR (IN/HR) | Q5 <sup>(6)</sup> (CFS) | Q100 <sup>(6)</sup> (CFS) |           |  |
|                                     |              |           | 5-YEAR | 100-YEAR |               |               |                          |                     |                          |               |                                    |                         |                               |                               |                          |                |                         |                           |           |  |
| MA SITE:                            |              |           |        |          |               |               |                          |                     |                          |               |                                    |                         |                               |                               |                          |                |                         |                           |           |  |
| C14                                 | C14          | 15.67     | 0.352  | 0.552    | 100           | 0.020         | 10.9                     | 1550                | 20                       | 0.044         | 4.20                               | 6.2                     | 17.0                          | 17.0                          | 3.33                     | 5.59           | 18.4                    | 48.4                      |           |  |
| C15                                 | C15          | 1.20      | 0.306  | 0.306    | 20            | 0.020         | 5.2                      | 760                 | 20                       | 0.028         | 3.35                               | 3.8                     | 8.9                           | 8.9                           | 4.30                     | 7.21           | 1.6                     | 2.6                       |           |  |
| C16                                 | C16          | 1.09      | 0.592  | 0.592    | 30            | 0.020         | 4.0                      | 870                 | 20                       | 0.028         | 3.35                               | 4.3                     | 8.4                           | 8.4                           | 4.39                     | 7.38           | 2.8                     | 4.8                       |           |  |
| C14-C16                             | C16.1        | 17.96     | 0.364  | 0.538    |               |               |                          |                     |                          |               |                                    |                         | 17.0                          | 17.0                          | 3.33                     | 5.59           | 21.8                    | 54.0                      |           |  |
|                                     |              |           |        |          |               |               |                          |                     |                          |               |                                    |                         |                               |                               |                          |                |                         |                           |           |  |
| M1                                  | M1           | 5.94      | 0.490  | 0.620    | 100           | 0.010         | 11.2                     | 680                 | 20                       | 0.052         | 4.56                               | 2.5                     | 13.7                          | 13.7                          | 3.66                     | 6.15           | 10.7                    | 22.6                      |           |  |
|                                     |              |           |        |          |               |               |                          |                     |                          |               |                                    |                         |                               |                               |                          |                |                         |                           |           |  |
| M2                                  | M2           | 7.50      | 0.605  | 0.740    | 100           | 0.040         | 5.7                      | 670                 | 20                       | 0.031         | 3.52                               | 3.2                     | 8.9                           | 8.9                           | 4.31                     | 7.23           | 19.5                    | 40.1                      |           |  |
| M2.2A                               | M2.2A        | 0.18      | 0.536  | 0.689    | 25            | 2.000         | 0.9                      | 165                 | 20                       | 0.010         | 2.00                               | 1.4                     | 2.3                           | 5.0                           | 5.17                     | 8.68           | 0.5                     | 1.1                       |           |  |
| M3                                  | M3           | 7.14      | 0.402  | 0.562    | 100           | 0.020         | 10.1                     | 600                 | 20                       | 0.053         | 4.60                               | 2.2                     | 12.3                          | 12.3                          | 3.82                     | 6.41           | 11.0                    | 25.7                      |           |  |
| M4                                  | M4           | 3.02      | 0.490  | 0.620    | 100           | 0.020         | 8.9                      | 450                 | 15                       | 0.084         | 4.35                               | 1.7                     | 10.6                          | 10.6                          | 4.04                     | 6.79           | 6.0                     | 12.7                      |           |  |
| M2,M3,M4                            | M3.1         | 17.84     | 0.500  | 0.645    |               |               |                          |                     |                          |               |                                    |                         | 12.3                          | 12.3                          | 3.82                     | 6.41           | 34.0                    | 73.7                      |           |  |
|                                     |              |           |        |          |               |               |                          |                     |                          |               |                                    |                         |                               |                               |                          |                |                         |                           |           |  |
| OM1                                 | OM1          | 2.90      | 0.200  | 0.440    | 100           | 0.060         | 9.1                      | 450                 | 15                       | 0.053         | 3.45                               | 2.2                     | 11.2                          | 11.2                          | 3.95                     | 6.64           | 2.3                     | 8.5                       |           |  |
| M5                                  | M5           | 21.24     | 0.210  | 0.450    | 0             |               | 0.0                      | 1350                | 15                       | 0.049         | 3.32                               | 6.8                     | 6.8                           | 6.8                           | 4.71                     | 7.91           | 21.0                    | 75.6                      |           |  |
| OM1,M5                              | M5.1         | 24.14     | 0.209  | 0.449    |               |               |                          |                     |                          |               |                                    |                         | 18.0                          | 18.0                          | 3.25                     | 5.45           | 16.4                    | 59.1                      |           |  |
|                                     |              |           |        |          |               |               |                          |                     |                          |               |                                    |                         |                               |                               |                          |                |                         |                           |           |  |
| WALKER ROAD & SH83:                 |              |           |        |          |               |               |                          |                     |                          |               |                                    |                         |                               |                               |                          |                |                         |                           |           |  |
| OM2                                 | OM2          | 1.10      | 0.272  | 0.493    | 30            | 0.130         | 3.5                      | 540                 | 15                       | 0.039         | 2.96                               | 3.0                     | 6.6                           | 6.6                           | 4.76                     | 7.99           | 1.4                     | 4.3                       |           |  |
| M6                                  | M6           | 1.46      | 0.280  | 0.499    | 30            | 0.320         | 2.6                      | 620                 | 15                       | 0.014         | 1.77                               | 5.8                     | 8.4                           | 8.4                           | 4.39                     | 7.37           | 1.8                     | 5.4                       |           |  |
| M1,M6                               | M6.1         | 7.40      | 0.119  | 0.379    |               |               |                          | 100                 | 20                       | 0.100         | 6.32                               | 0.3                     | 13.9                          | 13.9                          | 3.63                     | 6.10           | 3.2                     | 17.1                      |           |  |
| OM3                                 | OM3          | 2.80      | 0.175  | 0.421    | 30            | 0.067         | 4.9                      | 510                 | 15                       | 0.047         | 3.25                               | 2.6                     | 7.5                           | 7.5                           | 4.55                     | 7.65           | 2.2                     | 9.0                       |           |  |
| M1,M6,OM3                           | OM3.1        | 10.20     | 0.135  | 0.391    |               |               |                          | 120                 | 20                       | 0.009         | 1.90                               | 1.1                     | 15.0                          | 15.0                          | 3.52                     | 5.92           | 4.9                     | 23.6                      |           |  |
|                                     |              |           |        |          |               |               |                          |                     |                          |               |                                    |                         |                               |                               |                          |                |                         |                           |           |  |

1) OVERLAND FLOW T<sub>co</sub> = (0.395\*(1.1-RUNOFF COEFFICIENT)\*(OVERLAND FLOW LENGTH<sup>(0.5)</sup>/(SLOPE<sup>(0.333)</sup>))

2) SCS VELOCITY = C \* ((SLOPE(FT/FT)<sup>0.5</sup>)

C = 2.5 FOR HEAVY MEADOW

C = 5 FOR TILLAGE/FIELD

C = 7 FOR SHORT PASTURE AND LAWNS

C = 10 FOR NEARLY BARE GROUND

C = 15 FOR GRASSED WATERWAY

C = 20 FOR PAVED AREAS AND SHALLOW PAVED SWALES

3) MANNING'S CHANNEL TRAVEL TIME = L/V (WHEN CHANNEL VELOCITY IS KNOWN)

4) T<sub>c</sub> = T<sub>co</sub> + T<sub>t</sub>

\*\*\* IF TOTAL TIME OF CONCENTRATION IS LESS THAN 5 MINUTES, THEN 5 MINUTES IS USED

5) INTENSITY BASED ON I-D-F EQUATIONS IN CITY OF COLORADO SPRINGS DRAINAGE CRITERIA MANUAL

$$I_5 = -1.5 * \ln(T_c) + 7.583$$

$$I_{100} = -2.52 * \ln(T_c) + 12.735$$

6) Q = C<sub>i</sub>A

## **APPENDIX B**

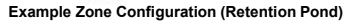
### **DETENTION POND CALCULATIONS – POND C14**

| MONUMENT ACADEMY<br>DEVELOPED IMPERVIOUS AREAS     |                       |       |                                     |                       |              |                                     |                       |      |                                     |                       |                   |
|----------------------------------------------------|-----------------------|-------|-------------------------------------|-----------------------|--------------|-------------------------------------|-----------------------|------|-------------------------------------|-----------------------|-------------------|
| IMPERVIOUS AREAS - INTERIM (PHASE 1-2) DEVELOPMENT |                       |       |                                     |                       |              |                                     |                       |      |                                     |                       |                   |
| BASIN                                              | TOTAL<br>AREA<br>(AC) | (AC)  | SUB-AREA 1<br>DEVELOPMENT/<br>COVER | PERCENT<br>IMPERVIOUS | AREA<br>(AC) | SUB-AREA 2<br>DEVELOPMENT/<br>COVER | PERCENT<br>IMPERVIOUS | (AC) | SUB-AREA 3<br>DEVELOPMENT/<br>COVER | PERCENT<br>IMPERVIOUS | WEIGHTED<br>% IMP |
| C14                                                | 15.67                 | 5.20  | BUILDING / PAVEMENT                 | 100                   | 10.47        | LANDSCAPED                          | 0                     |      |                                     |                       | 33.184            |
| C15                                                | 1.20                  | 0.33  | ROADWAY                             | 100                   | 0.87         | LANDSCAPED                          | 0                     |      |                                     |                       | 27.500            |
| C16                                                | 1.09                  | 0.68  | ROADWAY                             | 100                   | 0.41         | LANDSCAPED                          | 0                     |      |                                     |                       | 62.385            |
| C14-C16                                            | 17.96                 |       |                                     |                       |              |                                     |                       |      |                                     |                       | 34.577            |
| M1                                                 | 7.06                  | 7.06  | NH BUSINESS                         | 70                    |              |                                     |                       |      |                                     |                       | 70.000            |
| M2                                                 | 7.50                  | 4.80  | BUILDING / PAVEMENT                 | 100                   | 2.70         | LANDSCAPED                          | 0                     |      |                                     |                       | 64.000            |
| M2.2A                                              | 0.18                  | 0.10  | PAVEMENT                            | 100                   | 0.08         | LANDSCAPED                          | 0                     |      |                                     |                       | 55.556            |
| M3                                                 | 7.73                  | 0.23  | ROADWAY                             | 100                   | 7.50         | POND / LANDSCAPE                    | 0                     |      |                                     |                       | 2.975             |
| M4                                                 | 3.02                  | 0.34  | ROADWAY                             | 100                   | 2.68         | POND / LANDSCAPE                    | 0                     |      |                                     |                       | 11.258            |
| M2,M3,M4                                           | 18.43                 |       |                                     |                       |              |                                     |                       |      |                                     |                       | 29.680            |
| OM1                                                | 2.00                  | 2.00  | MEADOW                              | 0                     |              |                                     |                       |      |                                     |                       | 0.000             |
| M5                                                 | 21.24                 | 0.49  | ROADWAY                             | 100                   | 20.75        | FOREST / MEADOW                     | 0                     |      |                                     |                       | 2.307             |
| OM1,M5                                             | 23.24                 |       |                                     |                       |              |                                     |                       |      |                                     |                       | 2.108             |
|                                                    |                       |       |                                     |                       |              |                                     |                       |      |                                     |                       |                   |
| IMPERVIOUS AREAS - ULTIMATE DEVELOPMENT            |                       |       |                                     |                       |              |                                     |                       |      |                                     |                       |                   |
| BASIN                                              | TOTAL<br>AREA<br>(AC) | (AC)  | SUB-AREA 1<br>DEVELOPMENT/<br>COVER | PERCENT<br>IMPERVIOUS | AREA<br>(AC) | SUB-AREA 2<br>DEVELOPMENT/<br>COVER | PERCENT<br>IMPERVIOUS | (AC) | SUB-AREA 3<br>DEVELOPMENT/<br>COVER | PERCENT<br>IMPERVIOUS | WEIGHTED<br>% IMP |
| C14                                                | 15.67                 | 5.20  | BUILDING / PAVEMENT                 | 100                   | 10.47        | LANDSCAPED                          | 0                     |      |                                     |                       | 33.184            |
| C15                                                | 1.26                  | 0.39  | ROADWAY                             | 100                   | 0.87         | LANDSCAPED                          | 0                     |      |                                     |                       | 30.952            |
| C16                                                | 1.03                  | 0.62  | ROADWAY                             | 100                   | 0.41         | LANDSCAPED                          | 0                     |      |                                     |                       | 60.194            |
| C14-C16                                            | 17.96                 |       |                                     |                       |              |                                     |                       |      |                                     |                       | 34.577            |
| M1                                                 | 7.06                  | 7.06  | NH BUSINESS                         | 70                    |              |                                     |                       |      |                                     |                       | 70.000            |
| M2                                                 | 7.50                  | 4.80  | BUILDING / PAVEMENT                 | 100                   | 2.70         | LANDSCAPED                          | 0                     |      |                                     |                       | 64.000            |
| M2.2A                                              | 0.18                  | 0.10  | PAVEMENT                            | 100                   | 0.08         | LANDSCAPED                          | 0                     |      |                                     |                       | 55.556            |
| M3                                                 | 7.73                  | 6.08  | NH BUSINESS                         | 70                    | 1.65         | POND / LANDSCAPE                    | 0                     |      |                                     |                       | 55.058            |
| M4                                                 | 3.02                  | 3.02  | NH BUSINESS                         | 70                    |              |                                     |                       |      |                                     |                       | 70.000            |
| M2,M3,M4                                           | 18.43                 |       |                                     |                       |              |                                     |                       |      |                                     |                       | 61.150            |
| OM1                                                | 2.00                  | 2.00  | RESIDENTIAL-1-AC                    | 20                    |              |                                     |                       |      |                                     |                       | 20.000            |
| M5                                                 | 21.24                 | 10.62 | RESIDENTIAL-0.5-AC                  | 25                    | 10.62        | RESIDENTIAL-1-AC                    | 20                    |      |                                     |                       | 22.500            |
| OM1,M5                                             | 23.24                 |       |                                     |                       |              |                                     |                       |      |                                     |                       | 22.285            |
|                                                    |                       |       |                                     |                       |              |                                     |                       |      |                                     |                       |                   |

Based on other comments regarding the north parking lot...is it included in the calculations (if it is proposed in this phase)? Please revise as needed.

*MHFD-Detention, Version 4.07 (June 2025)*

**Basin ID:** Detention Pond C14



Location for 1-hr Rainfall Depths = User Input

Approximate 100-yr Detention Volume = 1.318 acre-feet

Zone 3 Volume (100-year - Zones 1 & 2) = 0.664 acre-feet

|      |           |
|------|-----------|
|      | acre-feet |
|      | acre-feet |
| 1.19 | inches    |
| 1.50 | inches    |
| 1.75 | inches    |
| 2.00 | inches    |
| 2.25 | inches    |
| 2.52 | inches    |
| 3.14 | inches    |

[illegible]

It's possible that I'm looking at calcs that don't represent the final design and/or the as-built condition. I did look in the CON file associated with PPR199 and didn't see as-built calcs there. So if the original final design isn't in the FDR for PPR199, I don't know where to find it. It would be helpful to just attach here whichever calcs you used to build off of for these PPR2621 calcs. Once attached, just label the calcs as "For Reference Only" at the top so it's clear.

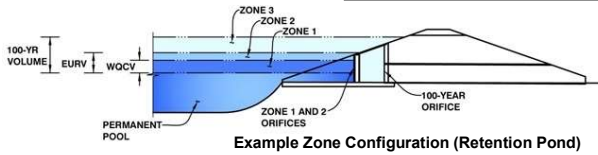
- ✓ = calcs match details in plans  
✗ = calcs do not match details in plans

## DETENTION BASIN OUTLET STRUCTURE DESIGN

MHFD-Detention, Version 4.07 (June 2025)

Project: Monument Academy Phase 2

Basin ID: Detention Pond C14



Example Zone Configuration (Retention Pond)

|                   | Estimated Stage (ft) | Estimated Volume (ac-ft) | Outlet Type          |
|-------------------|----------------------|--------------------------|----------------------|
| Zone 1 (WQCV)     | 2.55                 | 0.249                    | Orifice Plate        |
| Zone 2 (EURV)     | 3.96                 | 0.405                    | Orifice Plate        |
| Zone 3 (100-year) | 5.78                 | 0.664                    | Weir&Pipe (Restrict) |
| Total (all zones) |                      | 1.318                    |                      |

User Input: Orifice at Underdrain Outlet (typically used to drain WQCV in a Filtration SCM)

Underdrain Orifice Invert Depth = N/A ft (distance below the filtration media surface)  
Underdrain Orifice Diameter = N/A inches

Calculated Parameters for Underdrain

Underdrain Orifice Area = N/A ft<sup>2</sup>  
Underdrain Orifice Centroid = N/A feet

User Input: Orifice Plate with one or more orifices or Elliptical Slot Weir (typically used to drain WQCV and/or EURV in a sedimentation SCM)

Calculated Parameters for Plate

Centroid of Lowest Orifice = 0.00 ft (relative to basin bottom at Stage = 0 ft)  
Depth at top of Zone using Orifice Plate = 3.96 ft (relative to basin bottom at Stage = 0 ft)  
Orifice Plate: Orifice Vertical Spacing = 9.60 inches  
Orifice Plate: Orifice Area per Row = 1.08 sq. inches (diameter = 1-3/16 inches)

WQ Orifice Area per Row = 7.500E-03 ft<sup>2</sup>  
Elliptical Half-Width = N/A feet  
Elliptical Slot Centroid = N/A feet  
Elliptical Slot Area = N/A ft<sup>2</sup>

User Input: Stage and Total Area of Each Orifice Row (numbered from lowest to highest)

|                                  | Row 1 (required) | Row 2 (optional) | Row 3 (optional) | Row 4 (optional) | Row 5 (optional) | Row 6 (optional) | Row 7 (optional) | Row 8 (optional) |
|----------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| ✓ Stage of Orifice Centroid (ft) | 0.00             | 1.32             | 2.64             |                  |                  |                  |                  |                  |
| ✓ Orifice Area (sq. inches)      | 1.08             | 1.08             | 1.08             |                  |                  |                  |                  |                  |

|                                | Row 9 (optional) | Row 10 (optional) | Row 11 (optional) | Row 12 (optional) | Row 13 (optional) | Row 14 (optional) | Row 15 (optional) | Row 16 (optional) |
|--------------------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Stage of Orifice Centroid (ft) |                  |                   |                   |                   |                   |                   |                   |                   |
| Orifice Area (sq. inches)      |                  |                   |                   |                   |                   |                   |                   |                   |

User Input: Vertical Orifice (Circular or Rectangular)

Calculated Parameters for Vertical Orifice

Invert of Vertical Orifice = Not Selected Not Selected ft (relative to basin bottom at Stage = 0 ft)  
Depth at top of Zone using Vertical Orifice = N/A N/A ft (relative to basin bottom at Stage = 0 ft)  
Vertical Orifice Diameter = N/A N/A inches

Vertical Orifice Area = Not Selected Not Selected ft<sup>2</sup>  
Vertical Orifice Centroid = N/A N/A feet

User Input: Overflow Weir (Dropbox with Flat or Sloped Grate and Outlet Pipe OR Rectangular/Trapezoidal Weir and No Outlet Pipe)

Calculated Parameters for Overflow Weir

✓ Overflow Weir Front Edge Height, H<sub>o</sub> = 4.50 ft (relative to basin bottom at Stage = 0 ft)  
✓ Overflow Weir Front Edge Length = 4.00 feet  
✓ Overflow Weir Grate Slope = 0.00 H:V  
✗ Horiz. Length of Weir Sides = 4.00 feet  
Overflow Grate Type = Type C Grate  
Debris Clogging % = 50%

Height of Grate Upper Edge, H<sub>u</sub> = 4.50 feet  
Overflow Weir Slope Length = 4.00 feet  
Grate Open Area / 100-yr Orifice Area = 6.30  
Overflow Grate Open Area w/o Debris = 11.14 ft<sup>2</sup>  
Overflow Grate Open Area w/ Debris = 5.57 ft<sup>2</sup>

User Input: Outlet Pipe w/ Flow Restriction Plate (Circular Orifice, Restrictor Plate, or Rectangular Orifice)

Calculated Parameters for Outlet Pipe w/ Flow Restriction Plate

✓ Depth to Invert of Outlet Pipe = 0.34 ft (distance below basin bottom at Stage = 0 ft)  
✓ Outlet Pipe Diameter = 18.00 inches  
✓ Restrictor Plate Height Above Pipe Invert = 18.00 inches

Outlet Orifice Area = 1.77 ft<sup>2</sup>  
Outlet Orifice Centroid = 0.75 feet  
Half-Central Angle of Restrictor Plate on Pipe = 3.14 radians

User Input: Emergency Spillway (Rectangular or Trapezoidal)

Calculated Parameters for Spillway

✓ Spillway Invert Stage = 6.00 ft (relative to basin bottom at Stage = 0 ft)  
Spillway Crest Length = 10.00 feet  
Spillway End Slopes = 4.00 H:V  
✓ Freeboard above Max Water Surface = 1.00 feet

Spillway Design Flow Depth = 0.93 feet  
Stage at Top of Freeboard = 7.93 feet  
Basin Area at Top of Freeboard = 0.47 acres  
Basin Volume at Top of Freeboard = 2.27 acre-ft

### Routed Hydrograph Results

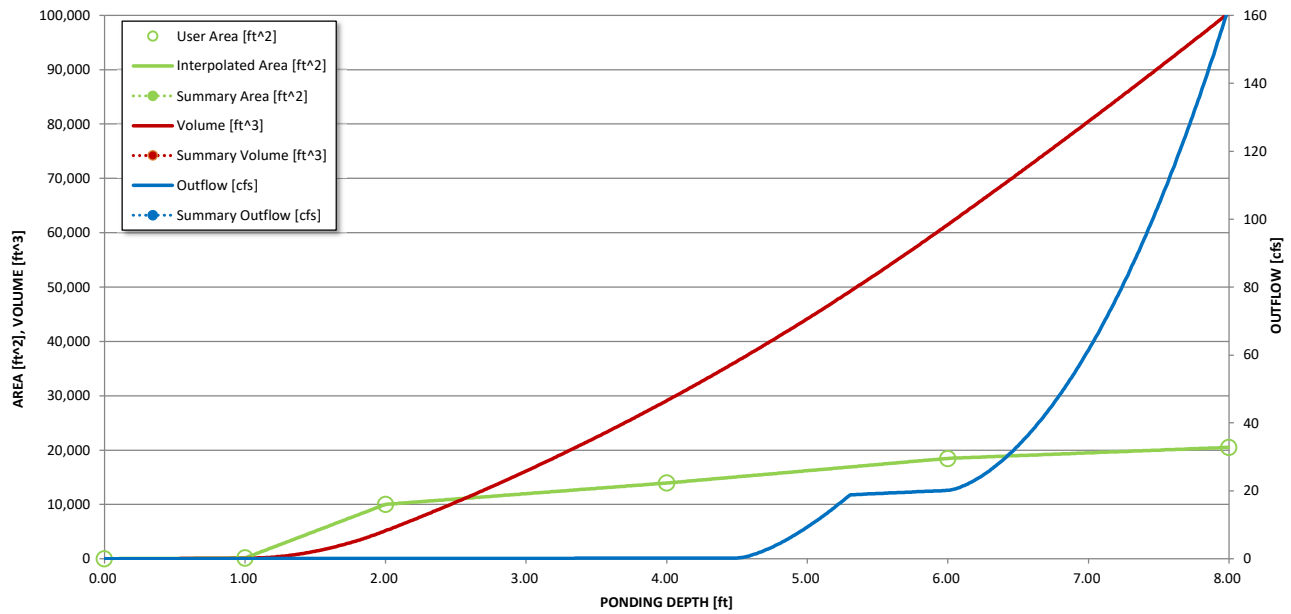
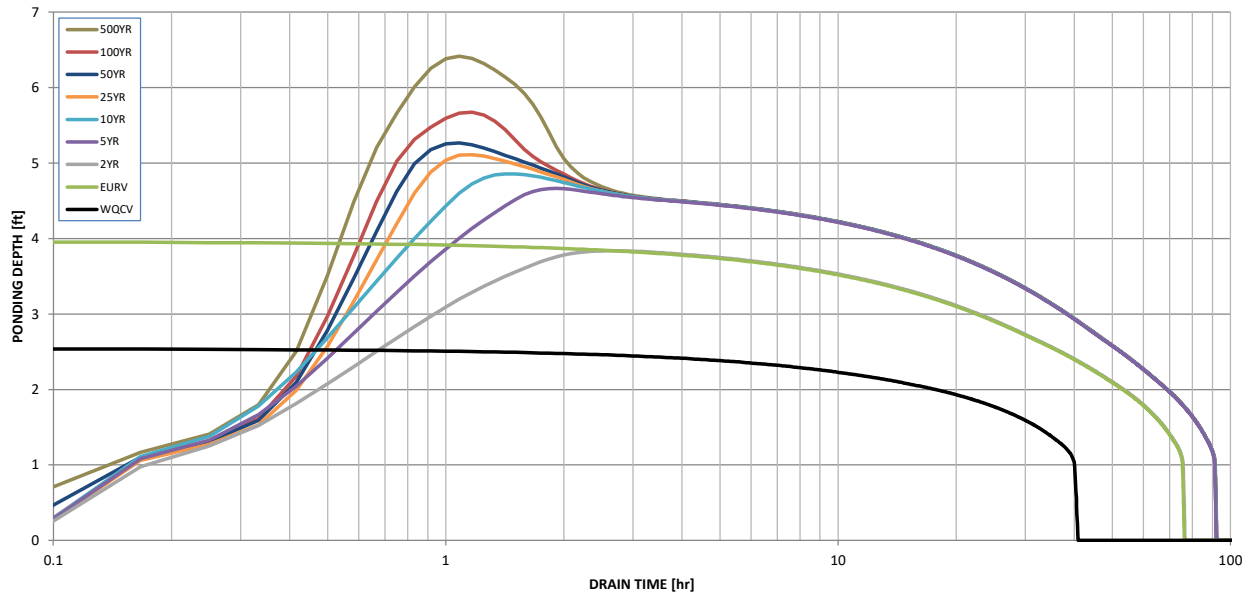
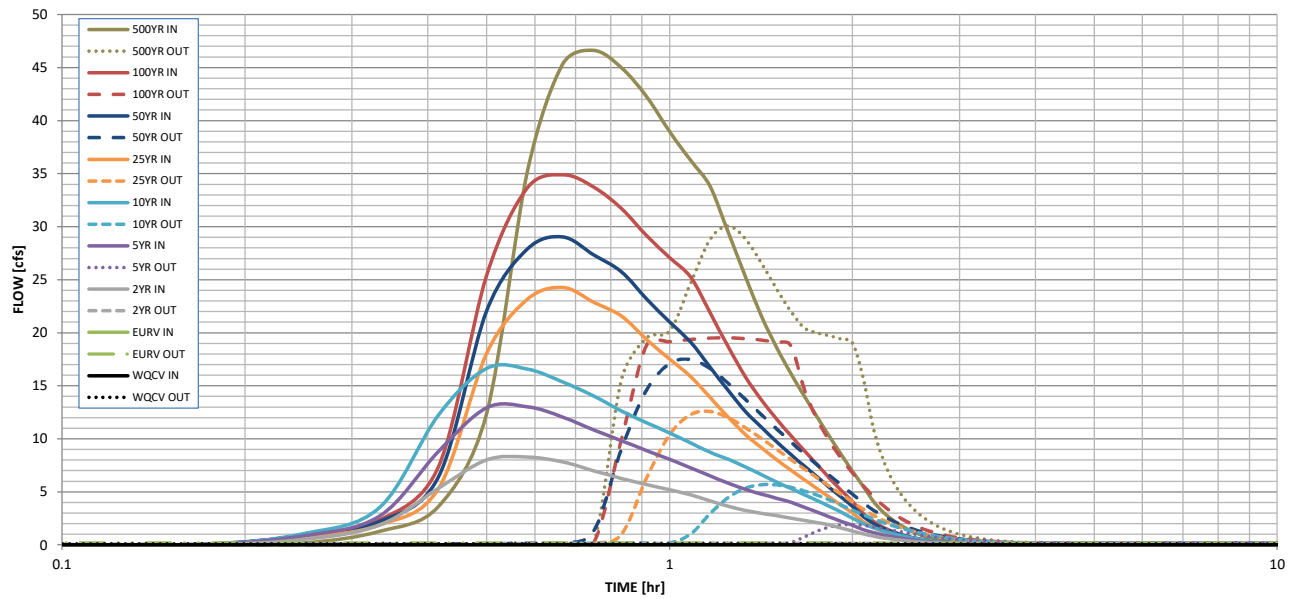
The user can override the default CUHP hydrographs and runoff volumes by entering new values in the Inflow Hydrographs table (Columns W through AF).

|                                                 | WQCV  | EURV  | 2 Year | 5 Year          | 10 Year         | 25 Year         | 50 Year         | 100 Year       | 500 Year |
|-------------------------------------------------|-------|-------|--------|-----------------|-----------------|-----------------|-----------------|----------------|----------|
| Design Storm Return Period =                    | N/A   | N/A   | 1.19   | 1.50            | 1.75            | 2.00            | 2.25            | 2.52           | 3.14     |
| One-Hour Rainfall Depth (in) =                  | 0.249 | 0.655 | 0.649  | 1.008           | 1.334           | 1.811           | 2.181           | 2.667          | 3.617    |
| CUHP Runoff Volume (acre-ft) =                  | N/A   | N/A   | 0.649  | 1.008           | 1.334           | 1.811           | 2.181           | 2.667          | 3.617    |
| Inflow Hydrograph Volume (acre-ft) =            | N/A   | N/A   | 2.2    | 5.5             | 8.1             | 14.2            | 17.7            | 22.6           | 31.4     |
| CUHP Predevelopment Peak Q (cfs) =              | N/A   | N/A   | 0.12   | 0.31            | 0.45            | 0.79            | 0.99            | 1.26           | 1.74     |
| OPTIONAL Override Predevelopment Peak Q (cfs) = | N/A   | N/A   | 8.3    | 13.0            | 16.6            | 24.3            | 29.0            | 34.9           | 46.6     |
| Predevelopment Unit Peak Flow, q (cfs/acre) =   | N/A   | N/A   | 0.2    | 1.9             | 5.7             | 12.6            | 17.5            | 19.5           | 30.0     |
| Peak Inflow Q (cfs) =                           | N/A   | N/A   | 0.2    | 0.3             | 0.7             | 0.9             | 1.0             | 0.9            | 1.0      |
| Peak Outflow Q (cfs) =                          | N/A   | N/A   | 0.2    | 0.3             | 0.7             | 0.9             | 1.0             | 0.9            | 1.0      |
| Ratio Peak Outflow to Predevelopment Q =        | N/A   | N/A   | 0.2    | 0.3             | 0.7             | 0.9             | 1.0             | 0.9            | 1.0      |
| Structure Controlling Flow =                    | Plate | Plate | Plate  | Overflow Weir 1 | Overflow Weir 1 | Overflow Weir 1 | Overflow Weir 1 | Outlet Plate 1 | Spillway |
| Max Velocity through Grate 1 (fps) =            | N/A   | N/A   | N/A    | 0.1             | 0.5             | 1.1             | 1.6             | 1.7            | 1.9      |
| Max Velocity through Grate 2 (fps) =            | N/A   | N/A   | N/A    | N/A             | N/A             | N/A             | N/A             | N/A            | N/A      |
| Time to Drain 97% of Inflow Volume (hours) =    | 38    | 70    | 71     | 84              | 82              | 79              | 77              | 75             | 71       |
| Time to Drain 99% of Inflow Volume (hours) =    | 40    | 74    | 74     | 89              | 88              | 87              | 86              | 85             | 83       |
| Maximum Ponding Depth (ft) =                    | 2.55  | 3.96  | 3.84   | 4.66            | 4.86            | 5.11            | 5.27            | 5.67           | 6.42     |
| Area at Maximum Ponding Depth (acres) =         | 0.25  | 0.32  | 0.31   | 0.35            | 0.36            | 0.38            | 0.39            | 0.41           | 0.43     |
| Maximum Volume Stored (acre-ft) =               | 0.251 | 0.655 | 0.614  | 0.890           | 0.959           | 1.055           | 1.112           | 1.275          | 1.588    |

Per state Senate Bill 15-212, this must be <72hrs

# DETENTION BASIN OUTLET STRUCTURE DESIGN

MHFD-Detention, Version 4.07 (June 2025)



| S-A-V-D Chart Axis Override | X-axis | Left Y-Axis | Right Y-Axis |
|-----------------------------|--------|-------------|--------------|
| minimum bound               |        |             |              |
| maximum bound               |        |             |              |

# DETENTION BASIN OUTLET STRUCTURE DESIGN

Outflow Hydrograph Workbook Filename:

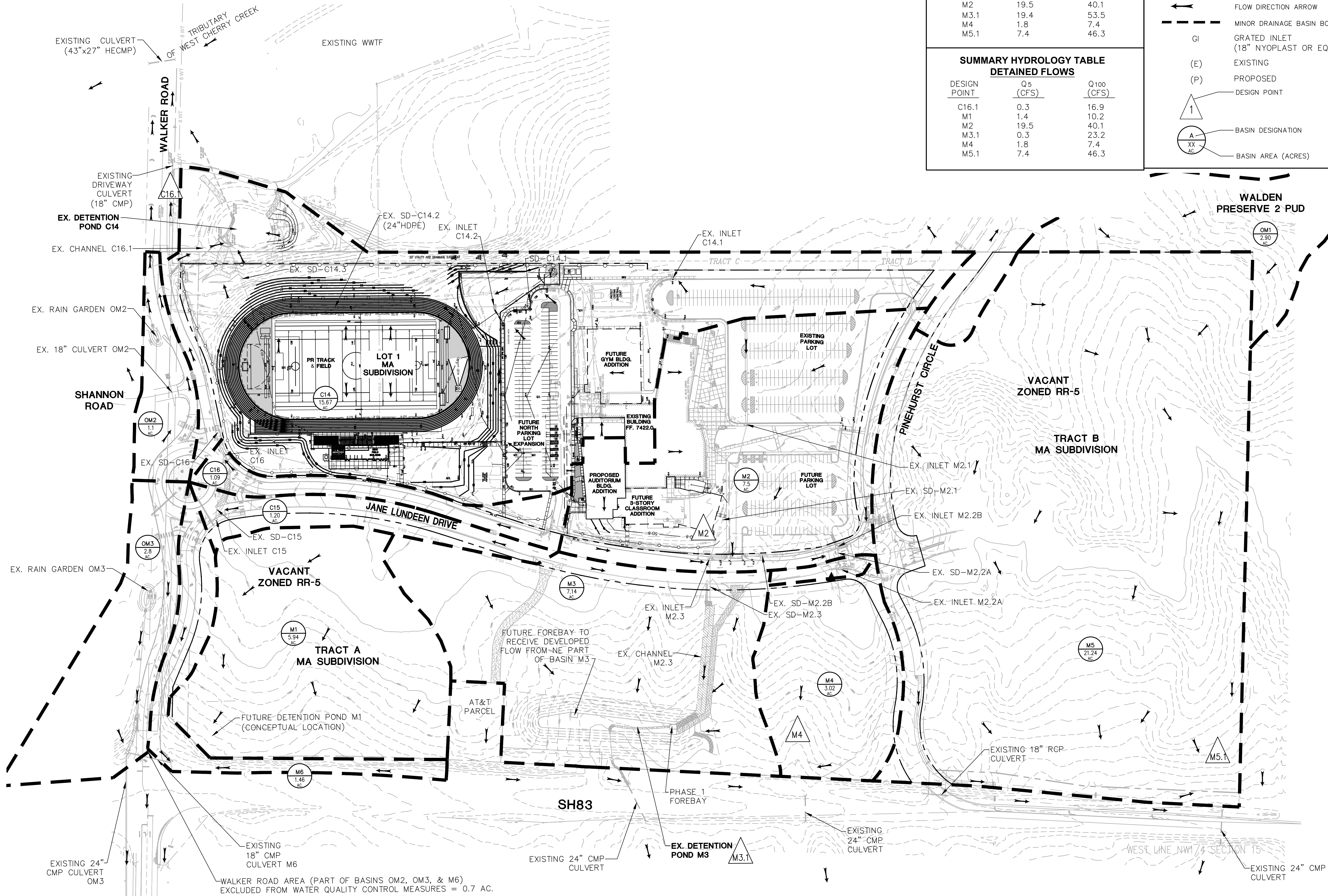
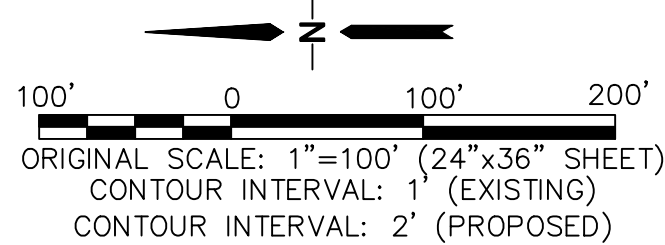
## Inflow Hydrographs

The user can override the calculated inflow hydrographs from this workbook with inflow hydrographs developed in a separate program.

| Time Interval | SOURCE  | CUHP       | CUHP       | CUHP         | CUHP         | CUHP          | CUHP          | CUHP          | CUHP           | CUHP           |
|---------------|---------|------------|------------|--------------|--------------|---------------|---------------|---------------|----------------|----------------|
|               | TIME    | WQCV [cfs] | EURV [cfs] | 2 Year [cfs] | 5 Year [cfs] | 10 Year [cfs] | 25 Year [cfs] | 50 Year [cfs] | 100 Year [cfs] | 500 Year [cfs] |
| 5.00 min      | 0:00:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 0:05:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 0:10:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.06          | 0.01           | 0.19           |
|               | 0:15:00 | 0          | 0.00       | 0.52         | 0.85         | 1.06          | 0.71          | 0.90          | 0.88           | 1.28           |
|               | 0:20:00 | 0          | 0.00       | 1.88         | 2.73         | 3.55          | 1.88          | 2.21          | 2.36           | 3.64           |
|               | 0:25:00 | 0          | 0.00       | 5.35         | 8.83         | 12.26         | 5.33          | 6.42          | 7.40           | 12.39          |
|               | 0:30:00 | 0          | 0.00       | 8.02         | 12.92        | 16.64         | 18.04         | 22.07         | 25.42          | 35.16          |
|               | 0:35:00 | 0          | 0.00       | 8.28         | 13.02        | 16.59         | 23.14         | 27.88         | 33.64          | 45.29          |
|               | 0:40:00 | 0          | 0.00       | 7.83         | 12.06        | 15.37         | 24.27         | 29.02         | 34.89          | 46.60          |
|               | 0:45:00 | 0          | 0.00       | 7.00         | 10.84        | 14.04         | 22.88         | 27.34         | 33.74          | 44.97          |
|               | 0:50:00 | 0          | 0.00       | 6.27         | 9.83         | 12.63         | 21.57         | 25.74         | 31.70          | 42.25          |
|               | 0:55:00 | 0          | 0.00       | 5.68         | 8.88         | 11.52         | 19.35         | 23.17         | 29.15          | 38.95          |
|               | 1:00:00 | 0          | 0.00       | 5.20         | 8.05         | 10.55         | 17.51         | 21.02         | 27.08          | 36.23          |
|               | 1:05:00 | 0          | 0.00       | 4.73         | 7.26         | 9.61          | 15.86         | 19.10         | 25.24          | 33.77          |
|               | 1:10:00 | 0          | 0.00       | 4.14         | 6.51         | 8.72          | 13.88         | 16.74         | 21.86          | 29.38          |
|               | 1:15:00 | 0          | 0.00       | 3.63         | 5.80         | 8.05          | 12.01         | 14.52         | 18.63          | 25.27          |
|               | 1:20:00 | 0          | 0.00       | 3.26         | 5.23         | 7.36          | 10.38         | 12.57         | 15.82          | 21.55          |
|               | 1:25:00 | 0          | 0.00       | 2.98         | 4.79         | 6.62          | 9.16          | 11.09         | 13.66          | 18.62          |
|               | 1:30:00 | 0          | 0.00       | 2.75         | 4.40         | 5.93          | 8.04          | 9.73          | 11.86          | 16.16          |
|               | 1:35:00 | 0          | 0.00       | 2.53         | 4.03         | 5.31          | 7.05          | 8.52          | 10.30          | 14.02          |
|               | 1:40:00 | 0          | 0.00       | 2.31         | 3.55         | 4.73          | 6.14          | 7.42          | 8.88           | 12.06          |
|               | 1:45:00 | 0          | 0.00       | 2.09         | 3.09         | 4.18          | 5.30          | 6.40          | 7.55           | 10.23          |
|               | 1:50:00 | 0          | 0.00       | 1.88         | 2.64         | 3.64          | 4.49          | 5.42          | 6.30           | 8.51           |
|               | 1:55:00 | 0          | 0.00       | 1.59         | 2.23         | 3.08          | 3.73          | 4.50          | 5.15           | 6.94           |
|               | 2:00:00 | 0          | 0.00       | 1.32         | 1.84         | 2.52          | 3.02          | 3.64          | 4.08           | 5.52           |
|               | 2:05:00 | 0          | 0.00       | 1.03         | 1.44         | 2.00          | 2.20          | 2.67          | 2.96           | 4.08           |
|               | 2:10:00 | 0          | 0.00       | 0.81         | 1.15         | 1.63          | 1.65          | 2.02          | 2.20           | 3.07           |
|               | 2:15:00 | 0          | 0.00       | 0.66         | 0.93         | 1.32          | 1.26          | 1.55          | 1.65           | 2.32           |
|               | 2:20:00 | 0          | 0.00       | 0.54         | 0.75         | 1.07          | 0.98          | 1.20          | 1.24           | 1.75           |
|               | 2:25:00 | 0          | 0.00       | 0.44         | 0.61         | 0.86          | 0.75          | 0.93          | 0.92           | 1.31           |
|               | 2:30:00 | 0          | 0.00       | 0.35         | 0.49         | 0.69          | 0.59          | 0.72          | 0.68           | 0.97           |
|               | 2:35:00 | 0          | 0.00       | 0.28         | 0.39         | 0.54          | 0.45          | 0.55          | 0.50           | 0.71           |
|               | 2:40:00 | 0          | 0.00       | 0.22         | 0.30         | 0.41          | 0.34          | 0.42          | 0.37           | 0.53           |
|               | 2:45:00 | 0          | 0.00       | 0.18         | 0.24         | 0.32          | 0.27          | 0.32          | 0.29           | 0.41           |
|               | 2:50:00 | 0          | 0.00       | 0.14         | 0.18         | 0.25          | 0.21          | 0.25          | 0.23           | 0.32           |
|               | 2:55:00 | 0          | 0.00       | 0.11         | 0.14         | 0.19          | 0.16          | 0.20          | 0.18           | 0.25           |
|               | 3:00:00 | 0          | 0.00       | 0.09         | 0.11         | 0.15          | 0.12          | 0.15          | 0.14           | 0.19           |
|               | 3:05:00 | 0          | 0.00       | 0.06         | 0.08         | 0.11          | 0.09          | 0.11          | 0.10           | 0.14           |
|               | 3:10:00 | 0          | 0.00       | 0.05         | 0.05         | 0.07          | 0.07          | 0.08          | 0.07           | 0.10           |
|               | 3:15:00 | 0          | 0.00       | 0.03         | 0.04         | 0.05          | 0.04          | 0.05          | 0.05           | 0.06           |
|               | 3:20:00 | 0          | 0.00       | 0.02         | 0.02         | 0.03          | 0.03          | 0.03          | 0.03           | 0.04           |
|               | 3:25:00 | 0          | 0.00       | 0.01         | 0.01         | 0.01          | 0.01          | 0.01          | 0.01           | 0.02           |
|               | 3:30:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 3:35:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 3:40:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 3:45:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 3:50:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 3:55:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:00:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:05:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:10:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:15:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:20:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:25:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:30:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:35:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:40:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:45:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:50:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:55:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:00:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:05:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:10:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:15:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:20:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:25:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:30:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:35:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:40:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:45:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:50:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:55:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 6:00:00 | 0          | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |

## **APPENDIX C**

### **FIGURES**



| SUMMARY HYDROLOGY TABLE<br>DEVELOPED FLOWS (INTERIM) |          |            |
|------------------------------------------------------|----------|------------|
| DESIGN POINT                                         | Q5 (CFS) | Q100 (CFS) |
| C16.1                                                | 21.8     | 54.0       |
| M1                                                   | 1.4      | 10.2       |
| M2                                                   | 19.5     | 40.1       |
| M3.1                                                 | 19.4     | 53.5       |
| M4                                                   | 1.8      | 7.4        |
| M5.1                                                 | 7.4      | 46.3       |

| SUMMARY HYDROLOGY TABLE<br>DETAINED FLOWS |          |            |
|-------------------------------------------|----------|------------|
| DESIGN POINT                              | Q5 (CFS) | Q100 (CFS) |
| C16.1                                     | 0.3      | 16.9       |
| M1                                        | 1.4      | 10.2       |
| M2                                        | 19.5     | 40.1       |
| M3.1                                      | 0.3      | 23.2       |
| M4                                        | 1.8      | 7.4        |
| M5.1                                      | 7.4      | 46.3       |

**DRAINAGE LEGEND**

— · — · — FLOWLINE  
→ FLOW DIRECTION ARROW  
- - - MINOR DRAINAGE BASIN BOUNDARY  
GI GRATED INLET (18" NYOPLAST OR EQUAL)  
(E) EXISTING  
(P) PROPOSED  
1 DESIGN POINT  
A XX AC BASIN DESIGNATION  
BASIN AREA (ACRES)

**MONUMENT ACADEMY - PHASE 2**  
**4303 PINEHURST CIRCLE, COLORADO SPRINGS, CO 80908**

**DEVELOPED DRAINAGE PLAN**

**JPS ENGINEERING**

19 E. Willamette Ave.  
Colorado Springs, CO 80903  
PH: 719-477-9429  
FAX: 719-471-0766  
www.jpseng.com

CALL UTILITY NOTIFICATION  
CENTER OF COLORADO  
1-800-922-1987  
CALL 2-BUSINESS DAYS IN ADVANCE  
BEFORE YOU DIG, GRADE, OR EXCAVATE  
FOR THE MARKING OF UNDERGROUND  
MEMBER UTILITIES.

| No. | REVISION | BY | DATE |
|-----|----------|----|------|
| A   |          |    |      |
| A   |          |    |      |
| A   |          |    |      |
| A   |          |    |      |

HORZ. SCALE: 1"=100'

VERT. SCALE: N/A

SURVEYED: RAMPART

CREATED: 09/18/25

PROJECT NO: 040201

SHEET:

DRAWN: PV

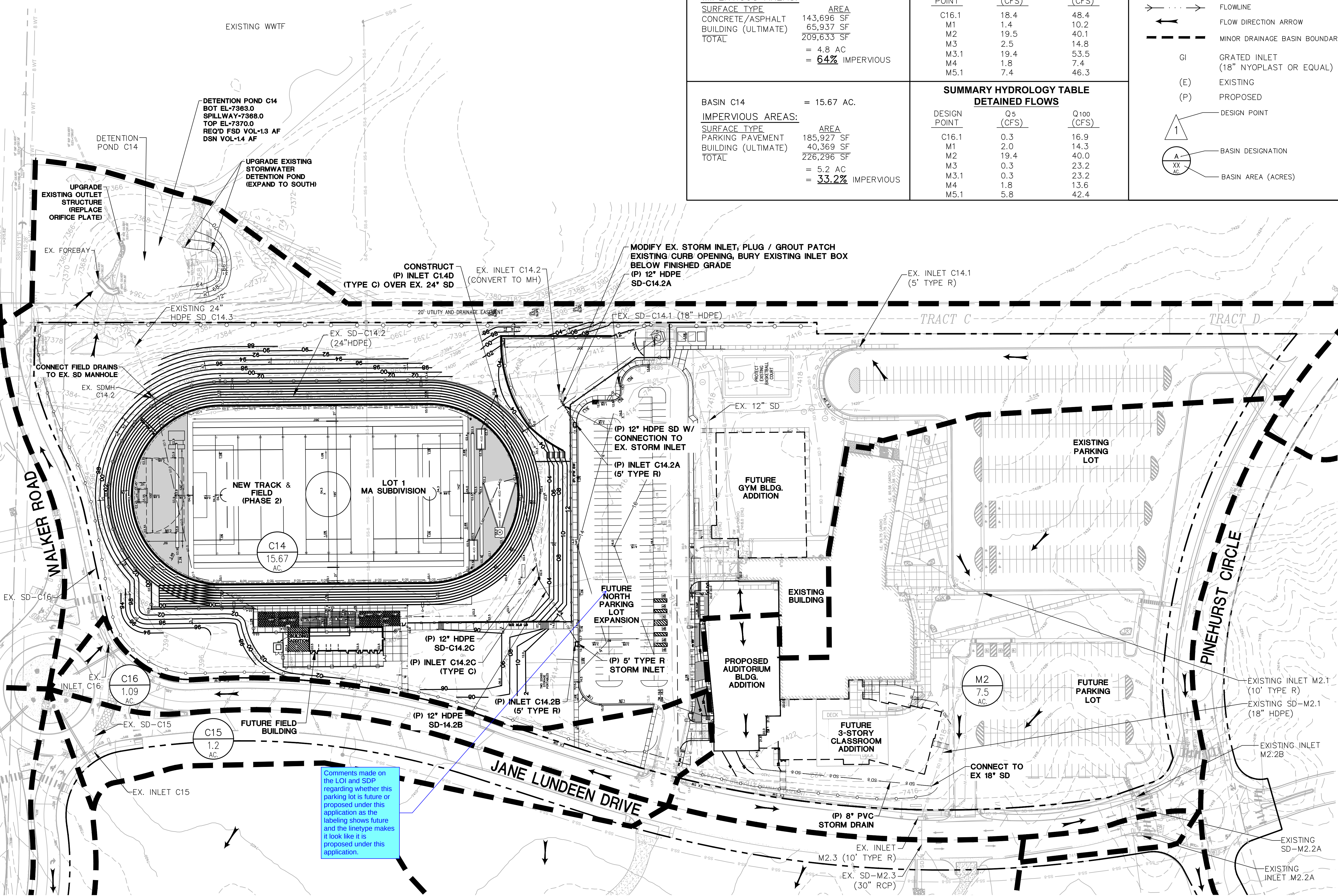
DESIGNED: JPS

CHECKED: JPS

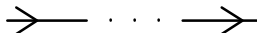
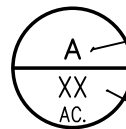
LAST MODIFIED: 07/23/26

MODIFIED BY: PV

**D1**



## **DRAINAGE LEGEND**

|                                                                                     |                                         |
|-------------------------------------------------------------------------------------|-----------------------------------------|
|  | FLOWLINE                                |
|  | FLOW DIRECTION ARROW                    |
|  | MINOR DRAINAGE BASIN BOUNDARY           |
| GI                                                                                  | GRADED INLET<br>(18" NYOPLAST OR EQUAL) |
| (E)                                                                                 | EXISTING                                |
| (P)                                                                                 | PROPOSED                                |
|  | DESIGN POINT                            |
|  | BASIN DESIGNATION                       |
|                                                                                     | BASIN AREA (ACRES)                      |

**MONUMENT ACADEMY - PHASE 2**  
**4303 PINEHURST CIRCLE, COLORADO SPRINGS, CO 80908**

|                                                                                                                                                                 |                                                                                                                                                                          |                                                                                                                                                 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <div style="display: flex; justify-content: space-between;"> <div> <p><b>SCHOOL SITE DEVELOPED<br/>DRAINAGE PLAN</b></p> </div> <div> <p>0201</p> </div> </div> |                                                                                                                                                                          | <div style="display: flex; justify-content: space-between;"> <div> <p>DATE: 07/23/26</p> </div> <div> <p>LAST MODIFIED BY: PV</p> </div> </div> |  |
| <div style="display: flex; justify-content: space-between;"> <div> <p>ART</p> </div> <div> <p>DESIGNED BY: JPS</p> </div> </div>                                | <div style="display: flex; justify-content: space-between;"> <div> <p>NO.</p> </div> <div> <p>REVISION</p> </div> <div> <p>BY</p> </div> <div> <p>DATE</p> </div> </div> |                                                                                                                                                 |  |
| <div style="display: flex; justify-content: space-between;"> <div> <p>N/A</p> </div> <div> <p>DRAWN: PV</p> </div> </div>                                       | <div style="display: flex; justify-content: space-between;"> <div> <p>1</p> </div> <div> <p>2</p> </div> <div> <p>3</p> </div> <div> <p>4</p> </div> </div>              |                                                                                                                                                 |  |
| <div style="display: flex; justify-content: space-between;"> <div> <p>60'</p> </div> <div> <p>1/25</p> </div> </div>                                            | <div style="display: flex; justify-content: space-between;"> <div> <p>5</p> </div> <div> <p>6</p> </div> <div> <p>7</p> </div> <div> <p>8</p> </div> </div>              |                                                                                                                                                 |  |