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October 15, 2025

El Paso County Engineering Division  
Department of Public Works  
3275 Akers Drive  
Colorado Springs, Colorado 80922

Re: Professional Engineer's Certification of Permanent Control Measure  
Flying Horse North Filing No. 3, Pond B

This letter serves as a Pond Certification for the constructed Full Spectrum Detention Facility "Pond B" located in Flying Horse North Filing No. 3. The permanent control measure is located at the west end of Allen Ranch Road, south of Lot 20 and west of Lot 19, Filing No. 3, El Paso County, Colorado.

The detention facility was designed by a Colorado Licensed Professional Engineer of HR Green Development, LLC. and the design is within the County approved Construction Drawings dated July 8, 2024 and is referred to as "Pond B" within Tract A of the development. A Colorado Licensed Professional Surveyor conducted an as-built survey of the facility in August of 2025 to verify the basin and infrastructure dimensions, elevations, materials, inverts, and slopes as required for determination of inflow and outflow hydraulics.

The September 2025 as-built conditions of the basin and its infrastructure were assessed and compared to the approved Construction Drawings and design worksheets within the approved Final Drainage Report. The facility was found to be in general compliance with the design, and it is anticipated that the facility will function as intended with no negative impacts to surrounding and downstream developments, property, or infrastructure. General compliance allows for construction tolerances and is based on the information provided by the as-built survey.

The facility is in a stabilized condition and there are no proposed modifications required at this time.

Sincerely,

**HR GREEN, INC.**

*Richard D. Lyon*

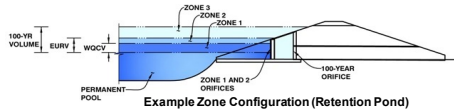
**Richard D. Lyon, PE**  
Project Manager, Civil Engineer  
HR Green Development, LLC.

Revise the PCM Certification Letter to include the required statements listed in ECM Section 5.10.6.B:

"The site and adjacent properties (as affected by work performed under the County permit) are stable with respect to settlement and subsidence, sloughing of cut and fill slopes, revegetation or other ground cover, and that the improvements (public improvements, common development improvements, site grading and paving) meet or exceed the minimum design requirements. The PCM(s) provide the required storage volume and meet the required release rates, stage areas, elevations, and outlet dimensions, as documented by the attached revised MHFD-Detention spreadsheet that shows the as-built conditions."

MHFD-Detention, Version 4.06 (July 2022)

**Basin ID: POND B - DESIGN POINT 17 (SW POND ESTATES AREA)**



### Example Zone Configuration (Retention Pond)

label as for as-built condition

|                                                |            |         |
|------------------------------------------------|------------|---------|
| Selected BMP Type =                            | <b>EDB</b> |         |
| Watershed Area =                               | 128.40     | acres   |
| Watershed Length =                             | 4,000      | ft      |
| Watershed Length to Centroid =                 | 665        | ft      |
| Watershed Slope =                              | 0.050      | ft/ft   |
| Watershed Imperviousness =                     | 10.04%     | percent |
| Percentage Hydrologic Soil Group A =           | 0.0%       | percent |
| Percentage Hydrologic Soil Group B =           | 100.0%     | percent |
| Percentage Hydrologic Soil Group C/D =         | 0.0%       | percent |
| Target WQCV Drain Time =                       | 40.0       | hours   |
| Location for 1-hr Rainfall Depths = User Input |            |         |

After providing required inputs above including 1-hour rainfall depths, click 'Run CUHP' to generate runoff hydrographs using the embedded Colorado Urban Hydrograph Procedure.

|                                           |        |           |
|-------------------------------------------|--------|-----------|
| Water Quality Capture Volume (WQCV) =     | 0.719  | acre-feet |
| Excess Urban Runoff Volume (EURV) =       | 1.212  | acre-feet |
| 2-yr Runoff Volume ( $P1 = 1.19$ in.) =   | 1.172  | acre-feet |
| 5-yr Runoff Volume ( $P1 = 1.75$ in.) =   | 3.777  | acre-feet |
| 10-yr Runoff Volume ( $P1 = 1.75$ in.) =  | 5.836  | acre-feet |
| 25-yr Runoff Volume ( $P1 = 2$ in.) =     | 9.505  | acre-feet |
| 50-yr Runoff Volume ( $P1 = 2.25$ in.) =  | 12.010 | acre-feet |
| 100-yr Runoff Volume ( $P1 = 2.52$ in.) = | 15.612 | acre-feet |
| 500-yr Runoff Volume ( $P1 = 3.14$ in.) = | 22.181 | acre-feet |
| Approximate 2-yr Detention Volume =       | 0.774  | acre-feet |
| Approximate 5-yr Detention Volume =       | 1.214  | acre-feet |
| Approximate 10-yr Detention Volume =      | 2.515  | acre-feet |
| Approximate 25-yr Detention Volume =      | 3.510  | acre-feet |
| Approximate 50-yr Detention Volume =      | 3.673  | acre-feet |
| Approximate 100-yr Detention Volume =     | 4.746  | acre-feet |

|                                                   |       |                 |
|---------------------------------------------------|-------|-----------------|
| Zone 1 Volume (WQCV) =                            | 0.719 | acre-feet       |
| Zone 2 Volume (EURV - Zone 1) =                   | 0.493 | acre-feet       |
| Zone 3 Volume (100-year - Zones 1 & 2) =          | 3.534 | acre-feet       |
| Total Detention Basin Volume =                    | 4.746 | acre-feet       |
| Initial Surge Volume (ISV) =                      | user  | ft <sup>3</sup> |
| Initial Surge Depth (ISD) =                       | user  | ft              |
| Total Available Detention Depth ( $H_{total}$ ) = | user  | ft              |
| Depth of Trickle Channel ( $H_{TC}$ ) =           | user  | ft              |
| Slope of Trickle Channel ( $S_{TC}$ ) =           | user  | ft/ft           |
| Slopes of Main Basin Sides ( $S_{main}$ ) =       | user  | H:V             |
| Basin Length-to-Width Ratio ( $R_{L/W}$ ) =       | user  |                 |

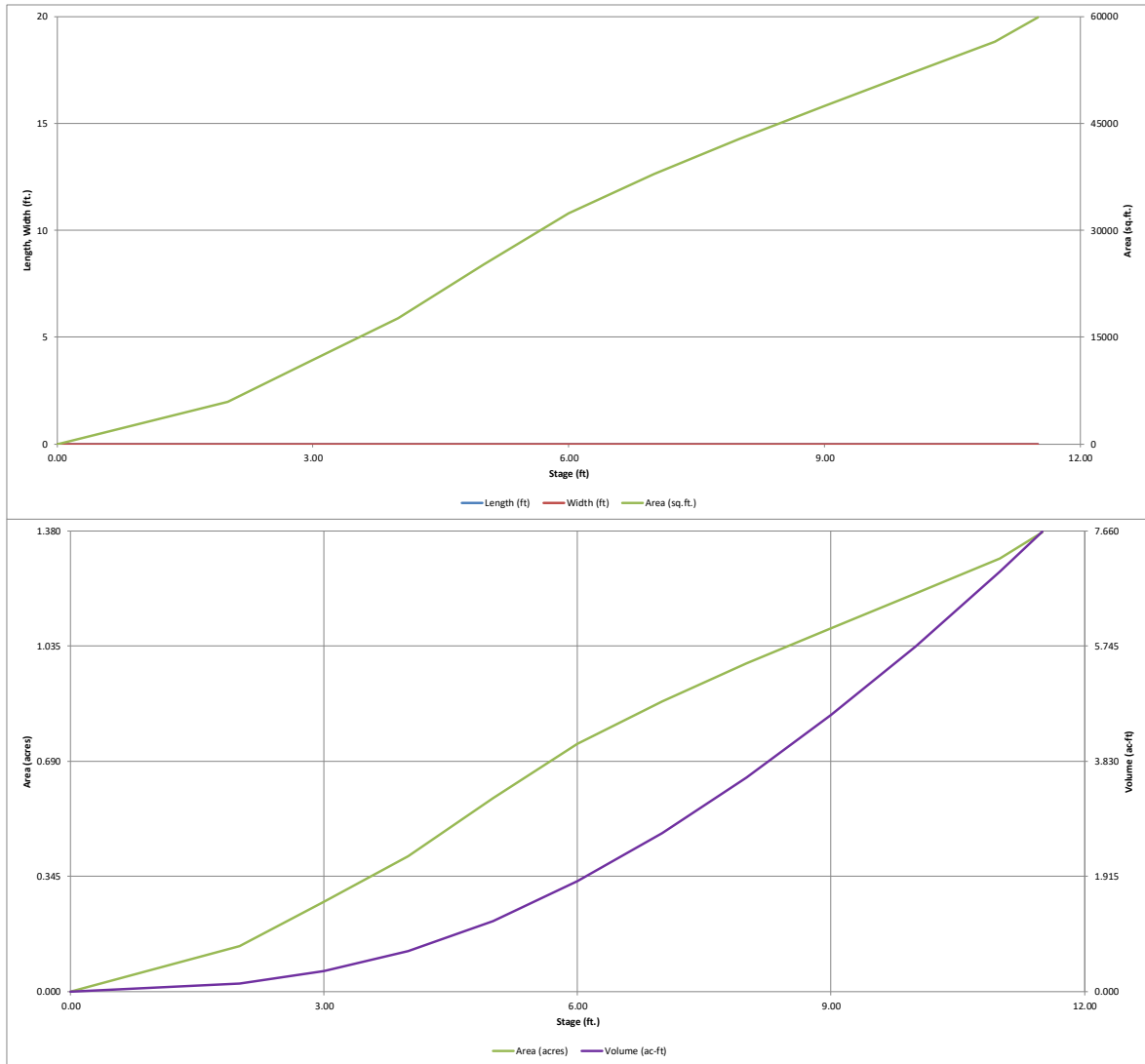
|                                               |   |      |                 |
|-----------------------------------------------|---|------|-----------------|
| Initial Surcharge Area ( $A_{S1}$ )           | = | user | ft <sup>2</sup> |
| Surcharge Volume Length ( $L_{S1}$ )          | = | user | ft              |
| Surcharge Volume Width ( $W_{S1}$ )           | = | user | ft              |
| Depth of Basin Floor ( $H_{FLOOR}$ )          | = | user | ft              |
| Length of Basin Floor ( $L_{FLOOR}$ )         | = | user | ft              |
| Width of Basin Floor ( $W_{FLOOR}$ )          | = | user | ft              |
| Area of Basin Floor ( $A_{FLOOR}$ )           | = | user | ft <sup>2</sup> |
| Volume of Basin Floor ( $V_{FLOOR}$ )         | = | user | ft <sup>3</sup> |
| Depth of Main Basin ( $H_{MAIN}$ )            | = | user | ft              |
| Length of Main Basin ( $L_{MAIN}$ )           | = | user | ft              |
| Width of Main Basin ( $W_{MAIN}$ )            | = | user | ft              |
| Area of Main Basin ( $A_{MAIN}$ )             | = | user | ft <sup>2</sup> |
| Volume of Main Basin ( $V_{MAIN}$ )           | = | user | ft <sup>3</sup> |
| Calculated Total Basin Volume ( $V_{TOTAL}$ ) | = | user | acre-feet       |

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

|                                                                 |                             |            |                              |             |            |                         |                                           |             |                           |                |
|-----------------------------------------------------------------|-----------------------------|------------|------------------------------|-------------|------------|-------------------------|-------------------------------------------|-------------|---------------------------|----------------|
|                                                                 | Depth Increment =           | ft         |                              |             |            |                         |                                           |             |                           |                |
|                                                                 | Stage - Storage Description | Stage (ft) | Optional Override Stage (ft) | Length (ft) | Width (ft) | Area (ft <sup>2</sup> ) | Optional Override Area (ft <sup>2</sup> ) | Area (acre) | Volume (ft <sup>3</sup> ) | Volume (ac-ft) |
| 7365                                                            | Top of Micropool            | --         | 0.00                         | --          | --         | --                      | 15                                        | 0.000       |                           |                |
|                                                                 | 7367                        | --         | 2.00                         | --          | --         | --                      | 5,942                                     | 0.136       | 5,957                     | 0.137          |
|                                                                 | 7368                        | --         | 3.00                         | --          | --         | --                      | 11,757                                    | 0.270       | 14,806                    | 0.340          |
|                                                                 | 7369                        | --         | 4.00                         | --          | --         | --                      | 17,655                                    | 0.405       | 29,513                    | 0.678          |
|                                                                 | 7370                        | --         | 5.00                         | --          | --         | --                      | 25,216                                    | 0.579       | 50,949                    | 1.170          |
|                                                                 | 7371                        | --         | 6.00                         | --          | --         | --                      | 32,345                                    | 0.743       | 79,729                    | 1.830          |
|                                                                 | 7372                        | --         | 7.00                         | --          | --         | --                      | 37,889                                    | 0.870       | 114,847                   | 2.637          |
|                                                                 | 7373                        | --         | 8.00                         | --          | --         | --                      | 42,809                                    | 0.983       | 155,196                   | 3.563          |
|                                                                 | 7374                        | --         | 9.00                         | --          | --         | --                      | 47,409                                    | 1.088       | 200,305                   | 4.598          |
|                                                                 | 7375                        | --         | 10.00                        | --          | --         | --                      | 51,973                                    | 1.193       | 249,996                   | 5.739          |
|                                                                 | 7376                        | --         | 11.00                        | --          | --         | --                      | 56,501                                    | 1.297       | 304,233                   | 6.984          |
|                                                                 | 7676.5                      | --         | 11.50                        | --          | --         | --                      | 59,927                                    | 1.376       | 333,341                   | 7.652          |
|                                                                 |                             | --         |                              | --          | --         | --                      |                                           |             |                           |                |
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| mides<br>feet<br>feet<br>is<br>is<br>is<br>is<br>is<br>is<br>is |                             | --         |                              | --          | --         | --                      |                                           |             |                           |                |
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|                                                                 |                             | --         |                              | --          | --         | --                      |                                           |             |                           |                |
|                                                                 |                             | --         |                              | --          | --         | --                      |                                           |             |                           |                |
|                                                                 |                             | --         |                              | --          | --         | --                      |                                           |             |                           |                |
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|                                                                 |                             | --         |                              | --          | --         | --                      |                                           |             |                           |                |
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|                                                                 |                             | --         |                              | --          | --         | --                      |                                           |             |                           |                |
|                                                                 |                             | --         |                              | --          | --         | --                      |                                           |             |                           |                |
|                                                                 |                             | --         |                              | --          | --         | --                      |                                           |             |                           |                |
|                                                                 |                             | --         |                              | --          | --         | --                      |                                           |             |                           |                |
|                                                                 |                             | --         |                              | --          | --         | --                      |                                           |             |                           |                |
|                                                                 |                             | --         |                              | --          | --         | --                      |                                           |             |                           |                |
|                                                                 |                             | --         |                              | --          | --         | --                      |                                           |             |                           |                |

# DETENTION BASIN STAGE-STORAGE TABLE BUILDER

MHFD-Detention, Version 4.06 (July 2022)



Please update the MHFD-Detention Spreadsheet with the updated as-built information (pond elevations, spillway length, orifice hole elevations, etc.) to confirm that the pond is functioning as intended.

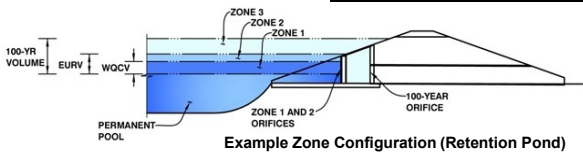
And please highlight/outline (like with a red rectangle) the input cells that changed from original design to as-built.

DETENTION BASIN OUTLET STRUCTURE DESIGN

MHFD-Detention, Version 4.06 (July 2022)

Project: FLYING HORSE NORTH FILING NO. 3

Basin ID: POND B - DESIGN POINT 17 (SW POND ESTATES AREA)



|                   | Estimated Stage (ft) | Estimated Volume (ac-ft) | Outlet Type          |
|-------------------|----------------------|--------------------------|----------------------|
| Zone 1 (WQCV)     | 4.11                 | 0.719                    | Orifice Plate        |
| Zone 2 (EURV)     | 5.08                 | 0.493                    | Orifice Plate        |
| Zone 3 (100-year) | 9.14                 | 3.534                    | Weir&Pipe (Restrict) |
| Total (all zones) |                      | 4.746                    |                      |

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

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 BMP)

Centroid of Lowest Orifice = 0.00 ft (relative to basin bottom at Stage = 0 ft)  
Depth at top of Zone using Orifice Plate = 6.50 ft (relative to basin bottom at Stage = 0 ft)  
Orifice Plate: Orifice Vertical Spacing = N/A inches  
Orifice Plate: Orifice Area per Row = N/A sq. inches

Calculated Parameters for Plate  
WQ Orifice Area per Row = N/A 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             | 0.50             | 3.50             |                  |                  |                  |                  |                  |
| Orifice Area (sq. inches)      | 1.98             | 1.98             | 10.00            |                  |                  |                  |                  |                  |

|                                | 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)

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

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

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

Overflow Weir Front Edge Height, H<sub>o</sub> = Zone 3 Weir 8.16 Not Selected N/A ft (relative to basin bottom at Stage = 0 ft)  
Overflow Weir Front Edge Length = 12.00 Not Selected N/A feet  
Overflow Weir Gate Slope = 0.00 Not Selected N/A H:V  
Horiz. Length of Weir Sides = 12.00 Not Selected N/A feet  
Overflow Gate Type = Type C Gate Not Selected N/A %  
Debris Clogging % = 50% Not Selected N/A %

Calculated Parameters for Overflow Weir  
Height of Gate Upper Edge, H<sub>u</sub> = Zone 3 Weir 8.16 Not Selected N/A feet  
Overflow Weir Slope Length = 12.00 Not Selected N/A feet  
Grate Open Area / 100-yr Orifice Area = 11.26 Not Selected N/A  
Overflow Grate Open Area w/o Debris = 100.22 Not Selected N/A ft<sup>2</sup>  
Overflow Grate Open Area w/ Debris = 50.11 Not Selected N/A ft<sup>2</sup>

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

Depth to Invert of Outlet Pipe = Zone 3 Restrictor 0.55 Not Selected N/A ft (distance below basin bottom at Stage = 0 ft)  
Outlet Pipe Diameter = 48.00 Not Selected N/A inches  
Restrictor Plate Height Above Pipe Invert = 32.00 Not Selected N/A inches

Calculated Parameters for Outlet Pipe w/ Flow Restriction Plate  
Outlet Orifice Area = Zone 3 Restrictor 8.90 Not Selected N/A ft<sup>2</sup>  
Outlet Orifice Centroid = 1.50 Not Selected N/A feet  
Half-Central Angle of Restrictor Plate on Pipe = 1.91 Not Selected N/A radians

User Input: Emergency Spillway (Rectangular or Trapezoidal)

Spillway Invert Stage = 10.90 ft (relative to basin bottom at Stage = 0 ft)  
Spillway Crest Length = 42.00 feet  
Spillway End Slopes = 3.00 H:V  
Freeboard above Max Water Surface = 1.00 feet

Calculated Parameters for Spillway  
Spillway Design Flow Depth = 1.51 feet  
Stage at Top of Freeboard = 13.41 feet  
Basin Area at Top of Freeboard = 1.38 acres  
Basin Volume at Top of Freeboard = 7.65 acre-ft

Routed Hydrograph Results

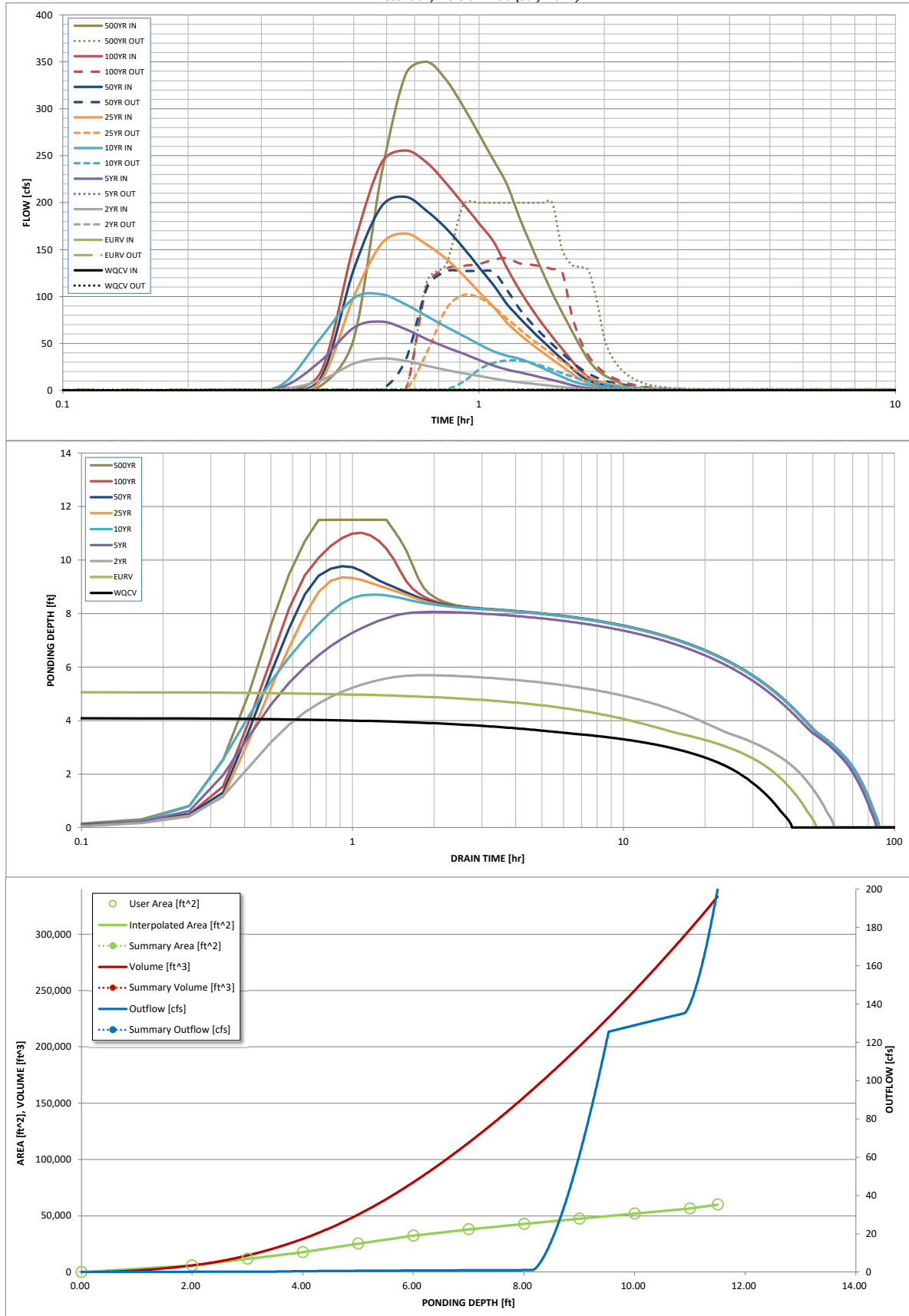
The user can override the default CUHP hydrographs and runoff volumes by entering new values in the Inflow Hydrographs table (Columns W through AF).

|                                               | 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)                  | N/A   | N/A   | 1.712  | 3.777  | 5.836           | 9.505           | 12.010         | 15.612   | 22.181   |
| CUHP Runoff Volume (acre-ft)                  | N/A   | N/A   | 1.712  | 3.777  | 5.836           | 9.505           | 12.010         | 15.612   | 22.181   |
| Inflow Hydrograph Volume (acre-ft)            | N/A   | N/A   | 21.6   | 60.5   | 90.2            | 156.2           | 196.0          | 245.6    | 340.6    |
| CUHP Predevelopment Peak Q (cfs)              | N/A   | N/A   | 0.17   | 0.47   | 0.70            | 1.22            | 1.53           | 1.91     | 2.65     |
| OPTIONAL Override Predevelopment Peak Q (cfs) | N/A   | N/A   | 34.0   | 73.1   | 102.2           | 167.0           | 206.1          | 255.5    | 350.0    |
| Predevelopment Unit Peak Flow, q (cfs/acre)   | N/A   | N/A   | 0.8    | 1.1    | 31.8            | 101.4           | 127.2          | 140.8    | 199.8    |
| Peak Inflow Q (cfs)                           | 0.5   | 0.7   | 0.8    | 1.1    | 31.8            | 101.4           | 127.2          | 140.8    | 199.8    |
| Peak Outflow Q (cfs)                          | N/A   | N/A   | 0.0    | 0.0    | 0.4             | 0.6             | 0.6            | 0.6      | 0.6      |
| Ratio Peak Outflow to Predevelopment Q        | N/A   | N/A   | N/A    | N/A    | N/A             | N/A             | N/A            | N/A      | N/A      |
| Structure Controlling Flow                    | Plate | Plate | Plate  | Plate  | Overflow Weir 1 | Overflow Weir 1 | Outlet Plate 1 | Spillway | N/A      |
| Max Velocity through Gate 1 (fps)             | N/A   | N/A   | N/A    | N/A    | 0.3             | 1.0             | 1.3            | 1.3      | 1.4      |
| Max Velocity through Gate 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)    | 37    | 45    | 52     | 73     | 70              | 63              | 59             | 54       | 47       |
| Time to Drain 99% of Inflow Volume (hours)    | 39    | 48    | 56     | 79     | 79              | 76              | 74             | 71       | 67       |
| Maximum Ponding Depth (ft)                    | 4.11  | 5.08  | 5.69   | 8.06   | 8.70            | 9.35            | 9.76           | 11.01    | 11.50    |
| Area at Maximum Ponding Depth (acres)         | 0.42  | 0.59  | 0.69   | 0.99   | 1.06            | 1.12            | 1.17           | 1.30     | 1.38     |
| Maximum Volume Stored (acre-ft)               | 0.723 | 1.216 | 1.601  | 3.612  | 4.266           | 4.974           | 5.456          | 6.997    | 7.652    |

within construction tolerances

# DETENTION BASIN OUTLET STRUCTURE DESIGN

MHFD-Detention, Version 4.06 (July 2022)



# 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.

|               | SOURCE  | CUHP       | CUHP       | CUHP         | CUHP         | CUHP          | CUHP          | CUHP          | CUHP           | CUHP           |
|---------------|---------|------------|------------|--------------|--------------|---------------|---------------|---------------|----------------|----------------|
| Time Interval | 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 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 0:05:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 0:10:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.04          | 0.00           | 0.11           |
|               | 0:15:00 | 0.00       | 0.00       | 0.31         | 0.51         | 0.63          | 0.43          | 0.54          | 0.52           | 0.78           |
|               | 0:20:00 | 0.00       | 0.00       | 1.21         | 2.95         | 5.26          | 1.21          | 1.42          | 1.51           | 4.98           |
|               | 0:25:00 | 0.00       | 0.00       | 10.68        | 31.36        | 55.82         | 10.14         | 13.30         | 19.55          | 54.54          |
|               | 0:30:00 | 0.00       | 0.00       | 28.42        | 66.78        | 98.24         | 99.45         | 128.55        | 154.20         | 230.29         |
|               | 0:35:00 | 0.00       | 0.00       | 33.98        | 73.15        | 102.23        | 156.12        | 195.91        | 242.38         | 336.87         |
|               | 0:40:00 | 0.00       | 0.00       | 31.23        | 65.13        | 91.38         | 167.03        | 206.14        | 255.53         | 349.97         |
|               | 0:45:00 | 0.00       | 0.00       | 26.10        | 54.48        | 79.00         | 155.12        | 190.98        | 242.47         | 330.99         |
|               | 0:50:00 | 0.00       | 0.00       | 21.53        | 46.03        | 67.71         | 140.15        | 172.64        | 220.73         | 302.46         |
|               | 0:55:00 | 0.00       | 0.00       | 18.23        | 39.06        | 58.09         | 122.53        | 151.98        | 198.55         | 273.07         |
|               | 1:00:00 | 0.00       | 0.00       | 15.28        | 32.32        | 49.23         | 104.82        | 131.10        | 177.90         | 245.38         |
|               | 1:05:00 | 0.00       | 0.00       | 12.59        | 26.33        | 41.63         | 88.96         | 112.21        | 158.58         | 219.77         |
|               | 1:10:00 | 0.00       | 0.00       | 10.20        | 22.16        | 36.87         | 72.26         | 92.16         | 130.72         | 184.53         |
|               | 1:15:00 | 0.00       | 0.00       | 8.53         | 19.20        | 33.63         | 59.86         | 77.41         | 107.13         | 154.57         |
|               | 1:20:00 | 0.00       | 0.00       | 7.16         | 16.31        | 29.08         | 49.68         | 64.52         | 87.81          | 127.57         |
|               | 1:25:00 | 0.00       | 0.00       | 5.93         | 13.56        | 23.88         | 40.98         | 53.21         | 71.37          | 103.66         |
|               | 1:30:00 | 0.00       | 0.00       | 4.73         | 10.92        | 18.95         | 32.94         | 42.85         | 57.26          | 83.12          |
|               | 1:35:00 | 0.00       | 0.00       | 3.56         | 8.38         | 14.35         | 25.48         | 33.28         | 44.28          | 64.35          |
|               | 1:40:00 | 0.00       | 0.00       | 2.43         | 5.66         | 10.13         | 18.37         | 24.23         | 32.16          | 47.03          |
|               | 1:45:00 | 0.00       | 0.00       | 1.53         | 3.55         | 7.20          | 11.75         | 15.84         | 21.26          | 32.02          |
|               | 1:50:00 | 0.00       | 0.00       | 1.09         | 2.48         | 5.63          | 7.42          | 10.47         | 14.13          | 22.22          |
|               | 1:55:00 | 0.00       | 0.00       | 0.87         | 1.95         | 4.59          | 4.93          | 7.35          | 9.78           | 16.10          |
|               | 2:00:00 | 0.00       | 0.00       | 0.73         | 1.60         | 3.70          | 3.44          | 5.43          | 6.88           | 11.94          |
|               | 2:05:00 | 0.00       | 0.00       | 0.57         | 1.24         | 2.88          | 2.31          | 3.82          | 4.59           | 8.37           |
|               | 2:10:00 | 0.00       | 0.00       | 0.43         | 0.93         | 2.17          | 1.55          | 2.64          | 2.88           | 5.55           |
|               | 2:15:00 | 0.00       | 0.00       | 0.32         | 0.69         | 1.59          | 1.03          | 1.80          | 1.68           | 3.50           |
|               | 2:20:00 | 0.00       | 0.00       | 0.24         | 0.51         | 1.13          | 0.66          | 1.20          | 0.92           | 2.13           |
|               | 2:25:00 | 0.00       | 0.00       | 0.18         | 0.37         | 0.78          | 0.45          | 0.83          | 0.60           | 1.42           |
|               | 2:30:00 | 0.00       | 0.00       | 0.14         | 0.27         | 0.53          | 0.32          | 0.58          | 0.44           | 0.99           |
|               | 2:35:00 | 0.00       | 0.00       | 0.11         | 0.19         | 0.37          | 0.22          | 0.41          | 0.33           | 0.73           |
|               | 2:40:00 | 0.00       | 0.00       | 0.08         | 0.13         | 0.28          | 0.16          | 0.30          | 0.25           | 0.55           |
|               | 2:45:00 | 0.00       | 0.00       | 0.06         | 0.09         | 0.20          | 0.12          | 0.23          | 0.19           | 0.42           |
|               | 2:50:00 | 0.00       | 0.00       | 0.04         | 0.05         | 0.14          | 0.09          | 0.16          | 0.14           | 0.30           |
|               | 2:55:00 | 0.00       | 0.00       | 0.03         | 0.03         | 0.09          | 0.06          | 0.11          | 0.09           | 0.21           |
|               | 3:00:00 | 0.00       | 0.00       | 0.02         | 0.02         | 0.05          | 0.04          | 0.07          | 0.06           | 0.13           |
|               | 3:05:00 | 0.00       | 0.00       | 0.01         | 0.01         | 0.02          | 0.02          | 0.04          | 0.03           | 0.07           |
|               | 3:10:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.01          | 0.01          | 0.02          | 0.01           | 0.03           |
|               | 3:15:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 3:20:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 3:25:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 3:30:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 3:35:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 3:40:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 3:45:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 3:50:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 3:55:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:00:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:05:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:10:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:15:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:20:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:25:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:30:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:35:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:40:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:45:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:50:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 4:55:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:00:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:05:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:10:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:15:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:20:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:25:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:30:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:35:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:40:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:45:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:50:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 5:55:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |
|               | 6:00:00 | 0.00       | 0.00       | 0.00         | 0.00         | 0.00          | 0.00          | 0.00          | 0.00           | 0.00           |