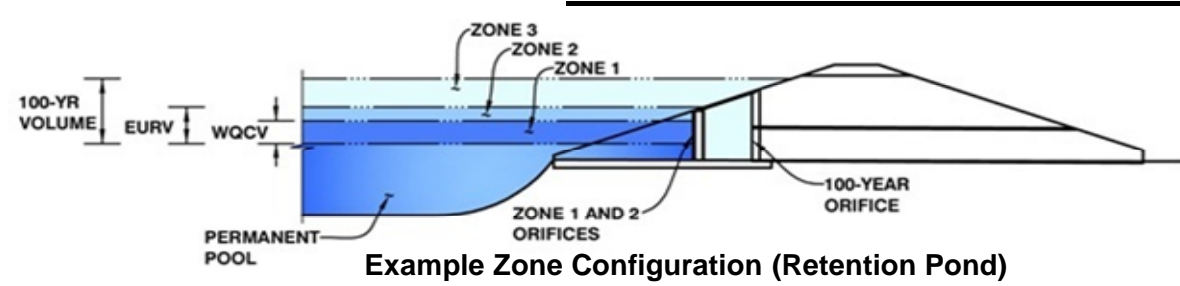


DETENTION BASIN STAGE-STORAGE TABLE BUILDER

MHFD-Detention, Version 4.06 (July 2022)

Project: Villas at Aspen Trails

Basin ID: Pond-1



Example Zone Configuration (Retention Pond)

Watershed Information

Table with watershed parameters: Selected BMP Type (EDB), Watershed Area (4.32 acres), Watershed Length (582 ft), Watershed Slope (0.006 ft/ft), etc.

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

Optional User Overrides

Table for optional user overrides: Water Quality Capture Volume (0.085 acre-feet), Excess Urban Runoff Volume (0.281 acre-feet), 2-yr Runoff Volume (0.161 acre-feet), etc.

Define Zones and Basin Geometry

Table for defining zones and basin geometry: Select Zone 1 Storage Volume, Select Zone 2 Storage Volume, Total Detention Basin Volume, etc.

Table for defining basin geometry: Initial Surcharge Area, Surcharge Volume Length, Surcharge Volume Width, Depth of Basin Floor, etc.

Main stage-storage table with columns: Stage - Storage Description, Stage (ft), Optional Override Stage (ft), Length (ft), Width (ft), Area (ft²), Optional Override Area (ft²), Area (acre), Volume (ft³), Volume (ac-ft). Rows range from Top of Micropool to various stage depths up to 4.00 ft.