

# City of Kyle Drainage Design Criteria

The City of Kyle has adopted the City of Austin Drainage Criteria Manual (DCM) for drainage design criteria. A few distinctions are made to address the specific needs of the City of Kyle.

## **Following are the changes adopted effective December 12, 2022:**

1. Freeboard for Stormwater Management (SWM)/ detention pond: City of Kyle requires 1.0' of minimum freeboard for all SWM/ detention ponds. This modifies the DCM Section 8.3.3, which does not require freeboard for ponds serving basins with a drainage area less than 25.0 acres.
2. The COK has adopted Atlas 14 rainfall depths on June 16, 2021 but was following DCM table for Intensity Duration Frequency (IDF) curve coefficients. Table 5 of Attachment 1– COK IDF curve coefficients shall be used to replace DCM Table 2-2A (zone 1), IDF curve coefficients. Attachment 1 of the [City of Kyle Drainage Design Criteria](#) includes the technical memorandum explaining IDF coefficients.
3. Based on review capacity of the COK at this time, only most current HEC HMS and Rational method models for Hydrologic analysis are accepted. For Hydraulic analysis most current HEC RAS is the only acceptable model.
4. A drainage report is required for all the projects. The drainage report format outlined in Attachment 2 of the [City of Kyle Drainage Design Criteria](#) shall be utilized.
5. The Floodplain Development Permit (FDP) application shall be completed prior to submittal; Attachment 3 in the [City of Kyle Drainage Design Criteria](#).

## **Supporting Documents**

- [City of Kyle Drainage Design Criteria 950.29 KB](#)