

MWRD WMO Changes adopted May 16, 2019, to go into effect January 1, 2020

New Volume Control Requirements

- Water must draw down within a 72 hour period, this may require underdrain installation if soils are not permeable enough (>0.5 in/hr). Most soils in Orland Park do not meet this permeability standard.
- With redevelopment Volume control must be retrofitted to meet current standards.
- Must be designed to prevent mosquito habitat

Watershed Specific Release Rates

- The Village of Orland Park has a higher release rate requirement (0.15 cfs/acre) of stormwater than MWRDGC (0.30 cfs /acre). See CBBEL summary for more information.

New Rainfall Data

- The Bulletin 70 Rainfall Data has been updated from the 1989 study. For the 100 year 24 hour storm this is an increase in rainfall depth from 7.58 inches to 8.57 inches. This will result in greater volume of stormwater to be detained, thus resulting in larger stormwater detention basins. See CBBEL summary for more information.

New Detention Requirement

- There is a specific process to allow for offsite detention. For example, a property can build stormwater detention facility and sell detention volume to other sites as long as they are in the same watershed and it does not affect properties negatively.
- With all redevelopment detention will have to be provided based on the difference between the pro-rated existing detention and the required detention for the redeveloped are based on the new rainfall data.
- Detention volume must be verified and based on information not greater than 5 years.