Comfort Lake-Forest Lake Watershed District (CLFLWD)
Stormwater Rule (2.0) Standards Flowchart

**Peak Flow (2.3.1)**
No increase in flow rate at each point of discharge from pre-development condition for 2, 10, & 100-year storm events

**Stormwater Volume (2.3.2)**
Volume management at each point of site discharge for:

- New Development
- Redevelopment
- Public Linear

- Is the site within a landlocked basin or an area that drains to a landlocked basin?
  - No
  - Yes
    - No increase in volume from pre-development condition for 24-hour, 2-year storm event
    - No increase in volume from pre-development condition for 24-hour, 5-year storm event

- Infiltrate or treat\(^4\) the volume equal to 1.1-inches from:
  - New and reconstructed impervious surface\(^5\)
  - All impervious surface on site\(^3\)

- Will the project disturb more than 50% of the site or reconstruct more than 50% of existing impervious surface?
  - No
  - Yes
    - No increase in volume from pre-development condition for 24-hour, 5-year storm event

- Infiltrate or treat\(^4\) the volume equal to 0.55" of runoff from new and reconstructed impervious OR 1.1" of runoff from impervious net increase, whichever is greater

**Water Quality (2.3.3)**

- Incorporate 1 or more stormwater management practices listed below\(^4\) – sized to capture volume from developed site for 24-hour, 2-year storm event

**Stormwater Management Practices:**
- Infiltration
- Enhanced Filtration
- Biofiltration
- Stormwater Ponds
- Stormwater Wetlands

**Wetland Bounce and Inundation Period (2.3.4)**
If there is a wetland or lake on project site – stay within the limits below:

- Wetland Management Class\(^6\)
- Preserve Wetland
- Manage 1 Wetland
- Manage 2 Wetland
- Manage 3 Wetland and Lakes

- Permitted Bounce: 2 & 10-Year Events
  - Pre-Development
  - Pre-Development + 0.5 feet
  - Pre-Development + 1.0 feet
  - No Limit

- Inundation Period: 2-Year Event
  - Existing
  - Existing + 1 day
  - Existing + 2 days
  - Existing + 7 days

- Inundation Period: 10 & 100-Year Events
  - Existing
  - Existing + 2 days
  - Existing + 14 days
  - Existing + 21 days

**FOOTNOTES:**
This flowchart contains the District’s Stormwater Standards that most affect BMP Design to provide an initial reference for applicants. It does not contain all the requirements of the Stormwater Rule and applicants will need to refer to a complete set of the District Rules to ensure adherence to the Stormwater Rule in its entirety.

1. Pre-Development conditions are calculated in accordance with subsection 2.3.10 of the District Rules.
2. Volume is calculated per the formula provided in subparagraph 2.3.2(b)(ii) of the District Rules.
3. Volume is calculated per the formula provided in subparagraph 2.3.2(b)(ii) of the District Rules.
4. If treatment mechanism does not reduce runoff volume, refer to the volume conversion factors that can be found in Table 2.3.1 of the District Rules.
5. Applies if volume standard has not been met by the application of paragraphs 2.3.2(e) and (f) of the District Rules.
6. Wetland Management Classes are determined by the Minnesota Routine Assessment Method (MnRAM) and are further explained in the Definitions section of the District Rules.