## Stormwater Management Report Requirements

**\*\*Reports shall be dated and bear the Engineer of Record's seal and signature. Reports submitted without this certification will not be reviewed and may result in delays.\*\***

**The rational method (including the modified rational method) is not acceptable for designing stormwater management Best Management Practices (BMPs).  The City only accepts the use of the SCS Curve Number Method with SCS Type II rainfall distributions.**

The Engineering Department only accepts Stormwater Management Reports produced using *Hydraflow Hydrographs* AutoCAD extension.

All stormwater management reports should include, at minimum, the following information:
1. Drainage area maps
2. Curve number calculations
3. Time of concentration calculations
4. Peak flows and volumes for each storm event
5. Routing diagram
6. Critical storm and/or other design criteria
7. Pond calculations including weir/orifice information
8. Flow summary of all pre, post, and pond outfalls
9. Water quality calculations (including temporary BMPs)

\*\*Note:
1. Sheet flow shall limited to 100 feet.
2. Hydrologic Soil Group 'D' shall be used for all post-development conditions.
3. Drainage area maps shall include area, curve number, time of concentrations.
    a. Time of concentration shall also show the flow path and the separation in flow
        type.
4. Time interval shall be one (1) minute.

All BMPs designs shall be based on criteria in the most recent Ohio Department of Natural Resources, Rainwater and Land Development Manual.

Rainfall depths that shall be used for all Stormwater Management are published as follows:

| Recurrent Interval (year) | Rainfall Depth (inches) |
|---|---|
| 1 | 2.46 |
| 2 | 2.94 |
| 5 | 3.65 |
| 10 | 4.24 |
| 25 | 5.10 |
| 50 | 5.82 |
| 100 | 6.60 |