

## **Stormwater Report Checklist**

1. Two separate storm tributary maps shall be provided with drainage calculations; one tributary map showing existing conditions and the other showing proposed conditions. Both maps shall have one-foot contours for onsite areas and up to two (2) foot contours for offsite area. (Minimum scale 1 inch = 200 ft.).
2. A map of the contiguous drainage basin.
3. Show and indicate the impervious areas.
4. Calculations for the existing and proposed site conditions along with the corresponding runoff coefficients (Rv); time of concentration; rainfall intensity; and the required/provided storage volume.
5. Calculations for the determination of inlet times.
6. A storm sewer hydrology computation sheet.
7. For public streets, a gutter spread and inlet capacity computation sheet.
8. Show the existing and proposed method of stormwater drainage; areas to be used for stormwater detention and the required stormwater storage volume compared to the provided storage volume.
9. Separate tributary boundaries for onsite and offsite areas tributary to each onsite BMP before and after development. Additional tributary boundaries are required for undetained areas.
10. Location and elevation of the outfall point. Sufficient information is required to determine if the outfall is an adequate outlet that can safely convey runoff to a receiving water body without causing increases in flooding or erosion. If outletting into an open channel or stream, sufficient information must be provided to substantiate the tailwater assumptions.
11. Output from a hydrologic/hydraulic model showing sufficient information to recreate the model in a similar program.
12. Water quality calculations and drawdown curve.
13. Summary tables showing allowable release rates, inflow rate to onsite BMP, outflow rates from BMPs, peak elevations, and volume used to meet the requirements.
14. If the project contains one (1) or more acres of disturbance, a detailed Stormwater Pollution Prevention Plan (SWPPP) shall be provided and an OEPA NOI must be included as part of submittal for County records; the design shall conform to OEPA's requirements for Water Quality (WQv) design measures; a permanent Post Construction BMP must be shown and detailed on the site construction plans and utilized on the site. An Operations & Maintenance agreement for the facility shall be executed with the Allen County Engineer's Office.
15. Calculations shall be signed and sealed by a Professional Engineer. Storm design calculations shall follow Allen County's Stormwater Design Specifications.