

CLARK COUNTY, INDIANA
DETENTION ANALYSIS CHECKLIST

Project Name: _____

Submission Date: _____, 20____

The purpose of this checklist is to expedite and facilitate the review process. This checklist gives the minimum requirements needed for review. All items shall be checked as included or marked N/A. The omission of required items may be cause for rejection of the submittal without review.

- _____ Table of Contents
- _____ Explanation of Analysis with Assumptions
- _____ Composite Drainage Area Map(s) – Pre-development
- _____ Composite Drainage Area Map(s) – Post-development
- _____ Time of Concentration (Tc) Supporting Calculations – Pre-development
- _____ Time of Concentration (Tc) Supporting Calculations – Post-development
- _____ Runoff Coefficient of Curve Number Calculations & Map – Pre-development
- _____ Runoff Coefficient of Curve Number Calculations & Map – Post-development
- _____ Calculations of 100-year Peak Flow Pre-development Runoff
- _____ Calculations of 100-year Peak Flow Post-development Runoff
- _____ Calculations of 2, 10 and 100-year By-passing or Unmitigated – Post-development
- _____ Basin Volume data (Elevation / Storage)
- _____ Basin Grading Plan
- _____ Basin Outlet Structure Data and Construction Details
- _____ Basin Overflow Component (Positive Through Drainage Outlet)
- _____ Additional 100-year Analysis Check of Overflow function (Upstream Developed Condition)
- _____ Basin Routing Data (Stage, Storage, Peak Elevation, Peak Inflow and Outflow)
- _____ Combined Hydrographs (2, 10 and 100-year peak flows) Routed and Unmitigated
- _____ Velocity Dissipation Calculation (Property Line Point Discharge)
- _____ Complete Summary of Drainage Analysis

I, the undersigned, acknowledge by signature that these documents meet or exceed the design standards of the Drainage Ordinance of Clark County and that they were prepared under my supervision. I, the undersigned, further acknowledge that to the best of my knowledge and belief, the products resulting from these documents will function as intended.

Design Professional's Signature

_____, 20____
Date