POST-DEVELOPMENT STORMWATER RUNOFF ANALYSIS

Hydrologic & Hydraulic Calculation Template

1. General Project Information

Project Name		**Date**	
Project Location / Address		**Permit/Reference No.**	
Lead Engineer/Designer		**Reviewing Agency**	

2. Site Watershed Characteristics

Parameter	Pre-Development	Post-Development	Net Change
Total Drainage Area (acres / m²)			
Impervious Area (acres / m²)			
Pervious Area (acres / m²)			
Percent Impervious (%)			
Runoff Coefficient (C) / Curve Number (CN)			
Time of Concentration (Tc - minutes)			

3. Hydrologic & Design Storm Criteria

Methodology Used			
Design Storm Return Period (Years)		**Rainfall Depth / Intensity**	
Extreme Storm Event (Years)		**Rainfall Depth / Intensity**	

4. Peak Runoff Calculations (Pre vs. Post)

Storm Event (Return Period)	Pre-Dev Peak Flow (cfs / m³/s)	Post-Dev Peak Flow (cfs / m³/s)	Mitigated Peak Flow (cfs / m³/s)

Storm Event (Return Period)	Pre-Dev Peak Flow (cfs / m³/s)	Post-Dev Peak Flow (cfs / m³/s)	Mitigated Peak Flow (cfs / m³/s)

5. Runoff Volume and Storage Requirements

Required Water Quality Volume (WQv)	
Required Detention/Retention Volume	
Proposed Storage Volume Provided	
Primary Discharge Control Device (e.g., Orifice, Weir)	

6. Engineering Notes & Comments

Prepared By (Signature / PE Stamp)

Date