TEMPLATE - Drainage & Detention Summary Tables

A.

Pre-Development (Existing)	Areas (acres)	Areas (%)
Total Project Tract Site		
Impervious		
Pervious		
Total	**0**	**0%**

B.

Post-Development (Assumed Ultimate)	Areas (acres)	Areas (%)
Building		
Parking Area		
Detention Pond(s)		
Other Impervious (assumed)		
Pervious		
Total		**0%**

C.

DRAINAGE AREAS	Pre-Development (Existing)	Post-Development (Proposed)
2-yr (acres)		
A. 100-yr (acres)		
B. 100-yr OFFSITE* (acres) *All **OFFSITE** sheet flow from adjacent properties and/or areas beyond the tract must be identified, properly accounted for, and mitigated as part of the project.		
Total 100-yr (acres) [A + B]		

D.	Storm Frequencies(includes Offsite Areas)	2-yr (50%)	10-yr (10%)	100-yr (1%)
Total Peak Flow Rate (cfs)	**Pre-Development (Existing)** Max. Allowable Outflow			
	Post-Development (Proposed) BEFORE Detention/Restrictor			
	Post-Development (Proposed) WITH Detention/Restrictor (from detention basin)			
	Flow Results	**Post < Pre OK**	**Post < Pre OK**	**Post < Pre OK**
Elevation (1988 NGVD, 2001 Adj.)	Lowest Natural or Finished Ground Elevation Estimate			
	Lowest Finish Floor Elevation (FFE) of Existing/ Proposed building(s)			
	Maximum Allowable Water Surface Elevation Based on:			
	Design Water Surface Elevation			
	Water Surface Elevation Calculated			
Detention Basin Storage	*100-yr Detention Basin Storage **Required** (ac-ft)			
	100-yr Detention Basin Storage **Provided** (ac-ft)			
	100-yr Detention Basin Storage Rate **Provided** (acre-feet/acre)			
	**Provide calculation in Drainage Memo and Plans*			
Outflow Structure	If applicable - Restrictor Size (ft or ft2)			
	Outflow Pipe Size (ft or ft2)			
	Outflow Velocity (ft/second)			
	Gravity Outfall Rate Provided (cfs)			
	Explain tail water/HGL used from roadside ditch for 2 & 100-yr to calculate your discharge rate			
	The existing channel/ roadside ditch's full bank capacity (open channel hydraulics)			
	Outflow Velocity into existing channel/roadside ditches (ft/ second)			
	If applicable - % Pumped discharge volume (ac-ft)			
	If applicable - Weir Description (type, size, elevation, etc.)			
	Drain Time 100-yr only (hours)			
	Emergency Overflow (type, size, elevation, etc.)			

If proposing multiple detention ponds, please include the summary table below.

Detention Storage Provided For Project Area			
Project Name	**BKDD Permit No.**	**Pond Name**	**Proposed Detention (acre-ft)**
Project "A"	202X-YYY	PO-1	26.305
		PO-2	81.476
		PO-3	32.901
		TOTAL	**140.682**

If proposing multiple projects, please include the summary table below:

Applied Detention Summary					
Project Name	**BKDD Permit No.**	**Acreage (acres)**	**Impervious Cover (acres)**	**Applied Detention (acre-ft)**	**Remaining Detention (acre-ft)**
Project "A"	202X-YYY	100.00	80.00	50.00	90.68
Project "B"	202X-ZZZ	89.00	70.00	50.00	40.68
Project "C"	202X-RRR	50.00	45.00	10.00	30.68