



**City Utilities
Design Standards
Manual**

Exhibit SW11-6 Detention Facility Design Summary

Version: July 2026

Project Name: _____ Date: _____

Total Project Area: _____ acres Project's Impervious Area: _____ acres

Basin Name or Identification: _____

Total Drainage Area to Facility: _____ acres

Total Impervious Area to Facility: _____ acres

On-site Shed to Facility: _____ acres

Off-site Shed to Facility: _____ acres

Basin's Composite Run-off Coefficient or Curve Number: $c =$ _____ or $CN =$ _____

Detention Sizing Method: _____

Design Return Period	Release Rates (cfs/acre)	
	Maximum Allowable Release Rate	Designed Peak Release Rate
10 year		
100 year		

Design Return Period	Detention Facility Characteristics	
	Storage Volume (acre-ft)	Water Surface Elevation (ft)
WQ _v		
10 year		
100 year		

Detention Method:

Extended Wet Detention Basin ☐

Underground Detention ☐

Extended Dry Detention Basin ☐

Permeable Pavement ☐

Bioretention Basin ☐

Retention Basin ☐

Constructed Wetland ☐

Other: _____ ☐

Comments:

Note: Attach Stage-Storage, Stage-Discharge, and Routing Calculations as appropriate.
Provide Design Summary Sheet for each basin and performance water quality feature.