



**City Utilities  
Design Standards  
Manual**

Exhibit SW3-2  
Detention Facility Design Summary

Created: February 2014

Revised:

Project Name: \_\_\_\_\_ Date: \_\_\_\_\_

Total Project Area: \_\_\_\_\_ acres      Project's Impervious Area: \_\_\_\_\_ acres

**Basin Name or Identification:** \_\_\_\_\_

Total Drainage 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 <sub>v</sub>		
10-year		
100-year		

- Detention Method:**
- Dry Detention Basin
  - Wet Detention Basin
  - Retention Basin
  - Parking Lot Detention
  - Underground Detention
  - Permeable Pavement System
  - Other: \_\_\_\_\_

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