Rainwater Management Project Summary Form

The information below is to be provided alongside all Preliminary, Complete, and Final RWMP submissions.

1. Application Information

Project address: _____

Permit (RZ/DP/BP) #: _____

Date RWMP prepared, signed and sealed: _____

2. Summary of Site Properties

Description	Existing	Proposed	Units	Notes
Total site area			m^2	
Impervious area			%	
Parkade coverage			%	
Runoff coefficient			-	
Type of development	Choose an iten	Choose an iten	-	
Development height			storeys	
Design return period			years	
Time of concentration			min	
Peak flow rate (2014 IDF)			L/s	
Peak flow rate (2100 IDF)			L/s	
Allowable release rate			L/s	

3. Summary of Site Requirements and Performance

Description	Required	Provided*	Units	Notes
Total volume of actual capture			m^3	*including excess storage provided
Water quality treatment depth			mm	
80% TSS removal for treatment			Y/N	
Target release rate			L/s	
Detention storage volume			m^3	

4. Summary of Rainwater Management Design

Parcel ID: _____

Drainage catchment area (m^2): _____

4.1. Volume Reduction Design Approach

Surface Type	BMP	Area of BMP (m^2)	Total area captured by BMP (m^2)	Required storage (m^3)	Provided storage (m^3)	Notes

Total capture via Tier 1 (%)		% = area capture by Tier 1 BMP / total site area capture
Total capture via Tier 2 (%)		% = area capture by Tier 2 BMP / total site area capture
Total capture via Tier 3 (%)		% = area capture by Tier 3 BMP / total site area capture
Tier 1 Exemptions:		
Tier 2 Exemptions:		

Duplicate and fill-in for each additional parcel, if applicable.

4.2 Water Quality Design Approach

BMP	Total treatment rate (L/s) or depth (mm)	Notes
Total for treatment train (if applicable)		

Duplicate and fill-in for each additional parcel, if applicable.

4.3 Release Rate Design Approach

4.3.1 Detention System Design (If Applicable)

Details	Value	Units	Notes
Release rate		L/s	
Is the release rate controlled by gravity?		Y/N	
Orifice diameter / control structure specifications		mm	
Effective head above orifice		m	
Effective volume above orifice		m^3	
Height of the detention tank		m	
Control structure outlet invert		m	
Is an emergency overflow provided?		Y/N	
Emergency overflow invert		m	
Additional Design Specifications			

Duplicate and fill-in for each additional parcel, if applicable.

4.3.2 Rainwater Harvesting and Reuse System Design (If Applicable)

Details	Value	Units	Notes
Total retained volume for reuse system		m^3	
Average annual rainfall		m^3	
Total average annual non-potable water demand for development		m^3	
Average annual rainwater reused (must be > or = 70% or full reuse of 24mm depth volume in 24 hrs)		m^3	
		%	
Average annual maximum discharge		L/s	
Average retained tank volume		m^3	
Minimum retained tank volume		m^3	
Maximum retained tank volume		m^3	
Maximum estimated overflow rate		L/s	
Is an emergency overflow provided?		Y/N	
Overall retention tank dimensions		m (L x W x H)	
Storm connection invert		m	
Emergency overflow invert		m	
Additional design specifications			

Duplicate and fill-in for each additional parcel, if applicable.