



Supplementary tables

Table S1. The parameter values required by LID control Module in SWMM.

LID facility		Sunken green space						
Layer Parameter Value	Surface				Storage			
	Berm height(mm)	Vegetation Volume Fraction	Surface Roughness	Surface Slope	Thickness(mm)	Void Ratio	Seepage Rate (mm/hr)	
	100/150/200	0.2	0.41	0.3	300	0.75	50	
	Soil							
	Thickness (mm)	Porosity	Field Capacity	Wilting Point	Conductivity (mm/hr)	Conductivity slope	Suction Head (mm)	
	300	0.463	0.232	0.116	3.3	10	88.9	
LID facility		Bioretention ponds						
Layer Parameter Value	Surface				Storage			
	Berm height(mm)	Vegetation Volume Fraction	Surface Roughness	Surface Slope	Thickness(mm)	Void Ratio	Seepage Rate (mm/hr)	
	200/250/300	0.15	0.4	0.3	300	0.75	50	
	Soil							
	Thickness (mm)	Porosity	Field Capacity	Wilting Point	Conductivity (mm/hr)	Conductivity slope	Suction Head (mm)	
	300	0.463	0.232	0.116	3.3	10	88.9	
LID facility		Rain garden						
Layer Parameter Value	Surface				Storage			
	Berm height(mm)	Vegetation Volume Fraction	Surface Roughness	Surface Slope	Thickness(mm)	Void Ratio	Seepage Rate (mm/hr)	
	400/500/600/700/1000/2000	0.15	0.41	0.3	300	0.75	50	
	Soil							
	Thickness (mm)	Porosity	Field Capacity	Wilting Point	Conductivity (mm/hr)	Conductivity slope	Suction Head (mm)	
	300	0.475	0.378	0.265	0.254	10	320.04	