

TABLES

Table 1 Soil parameters of the test site

No.	Natural density (g/cm ³)	Water content (%)	Void ratio	Compression modulus(Mpa)	Plastic limit	Liquid limit	Permeability coefficient (10 ⁻⁴ cm/s)
Test 1	1.50	17.94	1.16	7.45			
Test 2	1.48	18.21	1.23	6.45	27.13	40.01	4.458
Test 3	1.47	18.96	1.21	4.82			

Table 2 Test parameters

No.	Type of facility	Length of facility	Constant head (H/mm)	Laying length of impervious membrane at bottom of facility (L/mm)	Time (t/h)
1	Bioretention I	4 m	200	650	24
2	Bioretention II	6 m	200	500	24
3	Transmission	4 m	200	0	24

Table 3 Hydraulic model parameters of test section

No.	L_{measured} (cm)	t (min)	s	$f(L)$	K (cm/min)	$R^2(K)$	L_{MGAM} (cm)	L_{BIO} (cm)	REG (%)
Test I	150	79.5		6.04			166.33	199.59	33.06
	200	90	1.698	10.10	0.116	0.95	176.97	212.37	6.18
	250	105		14.90			191.15	229.38	8.25
Test II	150	52.5		5.43			125.54	151.18	0.79
	200	79.5	1.698	9.10	0.089	0.97	154.49	186.04	6.98
	250	165		13.47			222.56	268.02	7.21