

**Design Settings**

Rainfall Methodology	FEH-13	Minimum Velocity (m/s)	1.00
Return Period (years)	2	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	0.200
CV	0.750	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	✓
Maximum Rainfall (mm/hr)	200.0		

**Links**

Name	US Node	DS Node	Length (m)
1.000	H1	H1.1	48.657

US Node	Σ Area (ha)
H1	0.183

**Node H1.1 Carpark Storage Structure**

Base Inf Coefficient (m/hr)	0.40000	Invert Level (m)	13.201	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.40000	Time to half empty (mins)	0	Depth (m)	0.250
Safety Factor	2.0	Width (m)	17.500	Inf Depth (m)	0.250
Porosity	0.30	Length (m)	24.000		

**Node H1 Carpark Storage Structure**

Base Inf Coefficient (m/hr)	0.40000	Invert Level (m)	13.250	Slope (1:X)	1000.0
Side Inf Coefficient (m/hr)	0.40000	Time to half empty (mins)	11	Depth (m)	0.250
Safety Factor	2.0	Width (m)	17.500	Inf Depth (m)	0.250
Porosity	0.30	Length (m)	24.000		

**Results for 2 year Critical Storm Duration. Lowest mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m <sup>3</sup> )	Flood (m <sup>3</sup> )	Status
15 minute winter	H1	12	13.289	0.039	27.4	3.7648	0.0000	OK
15 minute winter	H1.1	13	13.202	0.001	0.3	0.0012	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m <sup>3</sup> )	Discharge Vol (m <sup>3</sup> )
15 minute winter	H1	1.000	H1.1	0.3	0.157	0.009	0.1323	
15 minute winter	H1	Infiltration		18.5				
15 minute winter	H1.1	Head/Flow		0.0				0.0
15 minute winter	H1.1	Infiltration		0.3				

**Results for 30 year Critical Storm Duration. Lowest mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m <sup>3</sup> )	Flood (m <sup>3</sup> )	Status
15 minute winter	H1	13	13.376	0.126	73.8	15.3433	0.0000	OK
15 minute winter	H1.1	17	13.223	0.022	13.2	1.2193	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m <sup>3</sup> )	Discharge Vol (m <sup>3</sup> )
15 minute winter	H1	1.000	H1.1	13.2	1.022	0.379	0.7193	
15 minute winter	H1	Infiltration		23.9				
15 minute winter	H1.1	Head/Flow		0.0				0.0
15 minute winter	H1.1	Infiltration		10.1				

**Results for 100 year +20% CC Critical Storm Duration. Lowest mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m <sup>3</sup> )	Flood (m <sup>3</sup> )	Status
15 minute winter	H1	13	13.450	0.200	113.4	25.3141	0.0000	OK
30 minute winter	H1.1	26	13.258	0.057	33.3	5.6230	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m <sup>3</sup> )	Discharge Vol (m <sup>3</sup> )
15 minute winter	H1	1.000	H1.1	34.9	1.337	1.006	1.3393	
15 minute winter	H1	Infiltration		24.2				
30 minute winter	H1.1	Head/Flow		0.0				0.0
30 minute winter	H1.1	Infiltration		23.5				

**Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m <sup>3</sup> )	Flood (m <sup>3</sup> )	Status
15 minute winter	H1	13	13.484	0.234	132.3	29.8309	0.0000	OK
30 minute winter	H1.1	28	13.295	0.094	44.6	10.2711	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m <sup>3</sup> )	Discharge Vol (m <sup>3</sup> )
15 minute winter	H1	1.000	H1.1	46.4	1.412	1.338	1.6219	
15 minute winter	H1	Infiltration		24.4				
30 minute winter	H1.1	Head/Flow		0.0				0.0
30 minute winter	H1.1	Infiltration		23.7				