

## 11 Gotemba Road Townhouses



The proposed stormwater treatments provide 'deemed to comply' compliance with the minimum planning requirement for total nitrogen but does not comply with all the relevant objectives for management of stormwater flows on-site.

### Project details

Name	11 Gotemba Road Townhouses
Street address	11 Gotemba Rd, Bell Post Hill VIC 3215, Australia
Municipality	Greater Geelong
Site area	679.2 m <sup>2</sup>
Planning Number	

### Flow and pollutant load reductions

Item	Result	Target
Mean annual runoff volume harvested or evapotranspired (%)	26%	>28%
Mean annual runoff volume infiltrated or filtered (%)	1%	>9%
Total suspended solids (%)	81%	>80%
Total phosphorus (%)	64%	>45%
Total nitrogen (%)	60%	>45%
Total gross pollutants (%)	93%	>70%

### Water treatment

#### Catchments

**Dwelling 1 Roof Part 1** 120m<sup>2</sup>

**Dwelling 1 Paving** Paved, 48.9m<sup>2</sup>

**Dwelling 1 Impervious area** Pervious (garden and lawn),  
96.1m<sup>2</sup>

**Dwelling 2 Roof** 120m<sup>2</sup>

**Dwelling 2 Paving** Paved, 48.9m<sup>2</sup>

**Dwelling 2 Impervious Surfaces** Pervious (garden and lawn),  
96m<sup>2</sup>

**Dwelling 1 Roof Part 2** 74.6m<sup>2</sup>

**Dwelling 2 Roof Part 2** 74.6m<sup>2</sup>

## Treatments

### **Rainwater Tank Dwelling 1**

Rainwater tank retention volume in kilolitres: 2.5

### **Rainwater Tank Dwelling 2**

Rainwater tank retention volume in kilolitres: 2.5

### **Raingarden Dwelling 1** Area: 1 m<sup>2</sup>,

Extended detention depth: 0.3 m, Submerged zone depth: 0.3 m,  
Site soil type: Clay

### **Raingarden Dwelling 2** Area: 1 m<sup>2</sup>,

Extended detention depth: 0.3 m, Submerged zone depth: 0 m,  
Site soil type: Clay

**Dwelling 1** Residential Townhouse, 3 bedroom(s)

**Dwelling 2** Residential Townhouse, 3 bedroom(s)

**Configuration 1**

**Dwelling 1 Roof Part 1** 120m2

**Rainwater Tank Dwelling 1**

Rainwater tank retention volume in kilolitres: 2.5,

**Dwelling 1** Residential Townhouse, 3 bedroom(s)

**Configuration 2**

**Dwelling 2 Roof** 120m2

**Rainwater Tank Dwelling 2**

Rainwater tank retention volume in kilolitres: 2.5,

**Dwelling 2** Residential Townhouse, 3 bedroom(s)

**Configuration 3**

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**Dwelling 1 Paving** Paved, 48.9m<sup>2</sup>**Dwelling 1 Roof Part 2** 74.6m<sup>2</sup>**Raingarden Dwelling 1** Area: 1 m<sup>2</sup>,  
Extended detention depth: 0.3 m,  
Submerged zone depth: 0.3 m, Site soil type: Clay,**Configuration 4****Dwelling 2 Paving** Paved, 48.9m<sup>2</sup>**Dwelling 2 Roof Part 2** 74.6m<sup>2</sup>**Raingarden Dwelling 2** Area: 1 m<sup>2</sup>,  
Extended detention depth: 0.3 m,  
Submerged zone depth: 0 m, Site soil type: Clay,