

Copy of 49 TOWNSEND RD, WHITTINGTON VIC 3219

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.

107%

SCORE

Project details

Name	Copy of 49 TOWNSEND RD, WHITTINGTON VIC 3219
Street address	49 Townsend Rd, Whittington VIC 3219, Australia
Municipality	Greater Geelong
Site area	759 m ²
Planning Number	

Flow and pollutant load reductions

Item	Result	Target
Mean annual runoff volume harvested or evapotranspired (%)	2%	>28%
Mean annual runoff volume infiltrated or filtered (%)	27%	>9%
Total suspended solids (%)	58%	>80%
Total phosphorus (%)	45%	>45%
Total nitrogen (%)	48%	>45%
Total gross pollutants (%)	60%	>70%

Water treatment

Catchments

Roof 1 56m2

Roof 2 56m2

Roof 3 56m²

Roof 4 56m²

Roof 5 56m²

Roof 6 56m²

Drive way Paved, 155m²

Catchment 8 Pervious (garden and lawn), 268m²

Treatments

Raingarden 1 Area: 0.5 m², Extended detention depth: 0.3 m,
Submerged zone depth: 0.3 m, Site soil type: Sandy loam

Raingarden 2 Area: 0.5 m², Extended detention depth: 0.3 m,
Submerged zone depth: 0.3 m, Site soil type: Sandy loam

Raingarden 3 Area: 0.5 m², Extended detention depth: 0.3 m,
Submerged zone depth: 0.3 m, Site soil type: Sandy loam

Raingarden 4 Area: 0.5 m², Extended detention depth: 0.3 m,
Submerged zone depth: 0.3 m, Site soil type: Sandy loam

Raingarden 5 Area: 0.5 m², Extended detention depth: 0.3 m,
Submerged zone depth: 0.3 m, Site soil type: Sandy loam

Raingarden 6 Area: 0.5 m², Extended detention depth: 0.3 m,
Submerged zone depth: 0.3 m, Site soil type: Sandy loam

Buildings & dwellings

Unit 1 Residential Townhouse, 2 bedroom(s)

Unit 2 Residential Townhouse, 2 bedroom(s)

Unit 3 Residential Townhouse, 2 bedroom(s)

Unit 4 Residential Townhouse, 2 bedroom(s)

Unit 5 Residential Townhouse, 2 bedroom(s)

Unit 6 Residential Townhouse, 2 bedroom(s)

Configuration 1

Roof 1 56m²

Raingarden 1 Area: 0.5 m²,
Extended detention depth: 0.3 m,
Submerged zone depth: 0.3 m, Site soil type: Sandy loam,

Unit 1 Residential Townhouse, 2 bedroom(s)

Configuration 2

Roof 2 56m²

Raingarden 2 Area: 0.5 m²,
Extended detention depth: 0.3 m,
Submerged zone depth: 0.3 m, Site soil type: Sandy loam,

Unit 2 Residential Townhouse, 2 bedroom(s)

Configuration 3

Roof 3 56m²

Raingarden 3 Area: 0.5 m²,
Extended detention depth: 0.3 m,
Submerged zone depth: 0.3 m, Site soil type: Sandy loam,

Unit 3 Residential Townhouse, 2 bedroom(s)

Configuration 4

Roof 4 56m²

Raingarden 4 Area: 0.5 m²,
Extended detention depth: 0.3 m,
Submerged zone depth: 0.3 m, Site soil type: Sandy loam,

Unit 4 Residential Townhouse, 2 bedroom(s)

Configuration 5

Roof 5 56m²

Raingarden 5 Area: 0.5 m²,
Extended detention depth: 0.3 m,
Submerged zone depth: 0.3 m, Site soil type: Sandy loam,

Unit 5 Residential Townhouse, 2 bedroom(s)

Configuration 6

Roof 6 56m²

Raingarden 6 Area: 0.5 m²,
Extended detention depth: 0.3 m,
Submerged zone depth: 0.3 m, Site soil type: Sandy loam,

Unit 6 Residential Townhouse, 2 bedroom(s)