

Project # 32FE9B5D
 MQ_25_036 - 110 Sparks Rd, Norlane
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 110 Sparks Rd, Norlane VIC 3214, Australia
 04 March 2026 4:39 p.m.

MQ_25_036 - 110 Sparks Rd, Norlane

The proposed stormwater treatments comply with all the relevant objectives for management of stormwater flows on-site.

149%
SCORE

Project details

Name	MQ_25_036 - 110 Sparks Rd, Norlane
Project ID	32FE9B5D
Street address	110 Sparks Rd, Norlane VIC 3214, Australia
Municipality	Greater Geelong
Site area	2884 m ²
Planning Number	

Flow and pollutant load reductions

Item	Result	Target	
Mean annual runoff volume harvested or evapotranspired (%)	37%	>32%	✓
Mean annual runoff volume infiltrated or filtered (%)	51%	>3%	✓
Total suspended solids (%)	83%	>80%	✓
Total phosphorus (%)	73%	>45%	✓
Total nitrogen (%)	67%	>45%	✓
Total gross pollutants (%)	90%	>70%	✓

Configuration 1



Dwelling 1 (Existing) - Roof to Rainwater Tank 59.33m²



Dwelling 1 (Existing) - Shed Roof to Rainwater Tank
9.64m²



Dwelling 1 Rainwater Tank
Rainwater tank retention volume in kilolitres: 2

Configuration 2



Dwelling 2 (Existing) - Roof to Rainwater Tank 27.82m²



Dwelling 2 (Existing) - Shed Roof to Rainwater Tank
15.14m²



Dwelling 2 Rainwater Tank
Rainwater tank retention volume in kilolitres: 2

Configuration 3



Dwelling 4 (Existing) - Roof to Rainwater Tank 27.85m²



Dwelling 4 (Existing) - Shed Roof to Rainwater Tank
13.24m²



Dwelling 4 Rainwater Tank
Rainwater tank retention volume in kilolitres: 2



Dwelling 5 (Existing) - Roof to Rainwater Tank 58.62m²



Dwelling 5 Rainwater Tank

Rainwater tank retention volume in kilolitres: 2

Configuration 5



Dwelling 6 (Existing) - Roof to Rainwater Tank 57.1m²



Dwelling 6 (Existing) - Shed Roof to Rainwater Tank

7.21m²



Dwelling 6 Rainwater Tank

Rainwater tank retention volume in kilolitres: 2

Configuration 6



Dwelling 7 (Existing) - Roof to Rainwater Tank 29.3m²



Dwelling 7 Rainwater Tank

Rainwater tank retention volume in kilolitres: 2

Configuration 7



Dwelling 9 (Existing) - Roof to Rainwater Tank 27.19m²



Dwelling 9 Rainwater Tank

Rainwater tank retention volume in kilolitres: 2

**Dwelling 10 (Existing) - Roof to Rainwater Tank**27.19m²**Dwelling 10 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

Configuration 9

**Dwelling 13 (Existing) - Roof to Rainwater Tank**59.25m²**Dwelling 13 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

Configuration 10

**Dwelling 14 (Existing) - Roof to Rainwater Tank**58.33m²**Dwelling 14 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

Configuration 11

**Dwelling 15 (Existing) - Roof to Rainwater Tank**58.95m²**Dwelling 15 (Existing) - Shed Roof to Rainwater Tank**1.13m²**Dwelling 15 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

**Dwelling 16 (Existing) - Roof to Rainwater Tank**29.52m²**Dwelling 16 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

Configuration 13

**Dwelling 18 (Existing) - Roof to Rainwater Tank**27.29m²**Dwelling 18 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

Configuration 14

**Dwelling 19 (Existing) - Roof to Rainwater Tank**59.19m²**Dwelling 19 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

Configuration 15

**Dwelling 3 (Proposed) - Roof to Rainwater Tank** 57.9m²**Dwelling 3 (Proposed) - Shed Roof to Rainwater Tank**2.74m²**Dwelling 3 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

**Dwelling 8 (Proposed) - Roof to Rainwater Tank**56.58m²**Dwelling 8 (Proposed) - Shed Roof to Rainwater Tank**2.74m²**Dwelling 8 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

Configuration 17

**Dwelling 11 (Proposed) - Roof to Rainwater Tank**83.95m²**Dwelling 11 (Proposed) - Shed Roof to Rainwater Tank**2.12m²**Dwelling 11 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 3

Configuration 18

**Dwelling 12 (Proposed) - Roof to Rainwater Tank**83.95m²**Dwelling 12 (Proposed) - Shed Roof to Rainwater Tank**2.13m²**Dwelling 12 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 3



Dwelling 17 (Proposed) - Roof to Rainwater Tank

114.1m²



Dwelling 17 (Proposed) - Shed Roof to Rainwater Tank

1.34m²



Dwelling 17 Rainwater Tank

Rainwater tank retention volume in kilolitres: 3

Configuration 20



Common Driveway and Parking Bays Paved, 586.6m²



Raingarden 1 Area: 45.2 m², Extended detention depth: 0.3 m,
Submerged zone depth: 0.3 m, Site soil type: Sandy clay

Catchments



Dwelling 1 (Existing) - Roof to Rainwater Tank 59.33m²



Dwelling 1 (Existing) - Shed Roof to Rainwater Tank

9.64m²



Dwelling 2 (Existing) - Roof to Rainwater Tank 27.82m²



Dwelling 2 (Existing) - Roof untreated 26.54m²



Dwelling 2 (Existing) - Shed Roof to Rainwater Tank
15.14m²



Dwelling 4 (Existing) - Roof to Rainwater Tank 27.85m²



Dwelling 4 (Existing) - Roof untreated 27.42m²



Dwelling 4 (Existing) - Shed Roof to Rainwater Tank
13.24m²



Dwelling 5 (Existing) - Roof to Rainwater Tank 58.62m²



Dwelling 6 (Existing) - Roof to Rainwater Tank 57.1m²



Dwelling 6 (Existing) - Shed Roof to Rainwater Tank
7.21m²



Dwelling 7 (Existing) - Roof to Rainwater Tank 29.3m²



Dwelling 7 (Existing) - Roof untreated 28.51m²



Dwelling 9 (Existing) - Roof to Rainwater Tank 27.19m²



Dwelling 9 (Existing) - Roof untreated 26.65m²



Dwelling 10 (Existing) - Roof to Rainwater Tank
27.19m²



Dwelling 13 (Existing) - Roof to Rainwater Tank
59.25m²



Dwelling 14 (Existing) - Roof to Rainwater Tank
58.33m²



Dwelling 15 (Existing) - Roof to Rainwater Tank
58.95m²



Dwelling 15 (Existing) - Shed Roof to Rainwater Tank
1.13m²



Dwelling 16 (Existing) - Roof to Rainwater Tank
29.52m²



Dwelling 16 (Existing) - Roof untreated 28.51m²



Dwelling 18 (Existing) - Roof to Rainwater Tank
27.29m²



Dwelling 18 (Existing) - Roof untreated 27.58m²



Dwelling 19 (Existing) - Roof to Rainwater Tank
59.19m²



Dwelling 3 (Proposed) - Roof to Rainwater Tank 57.9m²



Dwelling 3 (Proposed) - Shed Roof to Rainwater Tank
2.74m²



Dwelling 6 (Proposed) - Roof to Rainwater Tank
56.58m²



Dwelling 8 (Proposed) - Shed Roof to Rainwater Tank
2.74m²



Dwelling 11 (Proposed) - Roof to Rainwater Tank
83.95m²



Dwelling 11 (Proposed) - Shed Roof to Rainwater Tank
2.12m²



Dwelling 12 (Proposed) - Roof to Rainwater Tank
83.95m²



Dwelling 12 (Proposed) - Shed Roof to Rainwater Tank
2.13m²



Dwelling 17 (Proposed) - Roof to Rainwater Tank
114.1m²



Dwelling 17 (Proposed) - Shed Roof to Rainwater Tank
1.34m²



Common Driveway and Parking Bays Paved, 586.6m²



Permeable Paving Pervious (garden and lawn), 444.04m²



Total Garden and Lawn Areas Pervious (garden and lawn),
627.3m²

**Dwelling 1 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

86%**Dwelling 2 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

177%**Dwelling 4 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

114%**Dwelling 5 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

94%**Dwelling 6 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

89%**Dwelling 7 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

134%**Dwelling 9 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

139%**Dwelling 10 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

139%**Dwelling 13 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

94%**Dwelling 14 Rainwater Tank**

Rainwater tank retention volume in kilolitres: 2

94%



Dwelling 15 Rainwater Tank

Rainwater tank retention volume in kilolitres: 2

93%



Dwelling 16 Rainwater Tank

Rainwater tank retention volume in kilolitres: 2

134%



Dwelling 18 Rainwater Tank

Rainwater tank retention volume in kilolitres: 2

139%



Dwelling 19 Rainwater Tank

Rainwater tank retention volume in kilolitres: 2

94%



Dwelling 3 Rainwater Tank

Rainwater tank retention volume in kilolitres: 2

176%



Dwelling 8 Rainwater Tank

Rainwater tank retention volume in kilolitres: 2

178%



Dwelling 11 Rainwater Tank

Rainwater tank retention volume in kilolitres: 3

193%



Dwelling 12 Rainwater Tank

Rainwater tank retention volume in kilolitres: 3

193%



Dwelling 17 Rainwater Tank

Rainwater tank retention volume in kilolitres: 3

188%



Raingarden 1 Area: 45.2 m²,

Extended detention depth: 0.3 m,

Submerged zone depth: 0.3 m, Site soil type: Sandy clay

209%


Dwelling 1 (Existing) Residential Townhouse, 1 bedroom(s)

Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Mains water
Toilets connected to mains water	0
Toilets connected to rainwater	0
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Rainwater
Toilets connected to mains water	0
Toilets connected to rainwater	0
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Mains water
Toilets connected to mains water	0
Toilets connected to rainwater	0
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Mains water
Toilets connected to mains water	0
Toilets connected to rainwater	0
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Mains water
Toilets connected to mains water	0
Toilets connected to rainwater	0
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Mains water
Toilets connected to mains water	0
Toilets connected to rainwater	0
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Mains water
Toilets connected to mains water	0
Toilets connected to rainwater	0
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Dwelling 10 (Existing) Residential Townhouse,
1 bedroom(s)

Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Mains water
Toilets connected to mains water	0
Toilets connected to rainwater	0
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Dwelling 15 (Existing) Residential Townhouse,
1 bedroom(s)

Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Mains water
Toilets connected to mains water	0
Toilets connected to rainwater	0
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Dwelling 14 (Existing) Residential Townhouse,
1 bedroom(s)

Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Mains water
Toilets connected to mains water	0
Toilets connected to rainwater	0
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Dwelling 15 (Existing) Residential Townhouse,
1 bedroom(s)

Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Mains water
Toilets connected to mains water	0
Toilets connected to rainwater	0
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Dwelling 16 (Existing) Residential Townhouse,
1 bedroom(s)

Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Mains water
Toilets connected to mains water	0
Toilets connected to rainwater	0
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Dwelling 18 (Existing) Residential Townhouse,
1 bedroom(s)

Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Mains water
Toilets connected to mains water	0
Toilets connected to rainwater	0
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Dwelling 19 (Existing) Residential townhouse,
1 bedroom(s)

Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Mains water
Toilets connected to mains water	0
Toilets connected to rainwater	0
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Dwelling 5 (Proposed) Residential Townhouse,
1 bedroom(s)

Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Rainwater
Toilets connected to mains water	0
Toilets connected to rainwater	1
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Rainwater
Toilets connected to mains water	0
Toilets connected to rainwater	1
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Rainwater
Toilets connected to mains water	0
Toilets connected to rainwater	1
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Rainwater
Toilets connected to mains water	0
Toilets connected to rainwater	1
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	



Water sources	I want to use the average efficiency for a typical new dwelling or building
Basin taps - Primary water source	Mains water
Showers - Primary water source	Mains water
Clothes Washer - Primary water source	Rainwater
Toilets connected to mains water	0
Toilets connected to rainwater	2
Toilets connected to recycled water	0
Garden water use	Garden water demands are in use
Garden primary water source	Rainwater
• Mains	0 m ²
• Rainwater Tank	0 m ²
• Recycled Water	0 m ²
Garden water use efficiency	