

Project # E5367237  
 Arthur St  
 James Cavill - james@solvtp.com.au  
 1/7 Arthur St, Hamlyn Heights VIC 3215, Australia  
 01 April 2026 2:31 p.m.



## Arthur St

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



### Project details

Name	Arthur St
Project ID	E5367237
Street address	1/7 Arthur St, Hamlyn Heights VIC 3215, Australia
Municipality	Greater Geelong
Site area	505.1 m <sup>2</sup>
Planning Number	

### Flow and pollutant load reductions

Item	Result	Target	
Mean annual runoff volume harvested or evapotranspired (%)	62%	>32%	✓
Mean annual runoff volume infiltrated or filtered (%)	4%	>3%	✓
Total suspended solids (%)	85%	>80%	✓
Total phosphorus (%)	79%	>45%	✓
Total nitrogen (%)	71%	>45%	✓
Total gross pollutants (%)	99%	>70%	✓

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**Configuration 1**



**Roof Dwelling 1** 111.11m<sup>2</sup>



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

**Configuration 2**



**Roof Dwelling 2** 69.47m<sup>2</sup>



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

**Configuration 3**



**Roof Dwelling 3** 55.9m<sup>2</sup>



**Rainwater Tank Dwelling 3**  
Rainwater tank retention volume in kilolitres: 2

**Configuration 4**



**Driveway Paved**, 20.26m<sup>2</sup>



**Raingarden 1** Area: 1 m<sup>2</sup>, Extended detention depth: 0.3 m,  
Submerged zone depth: 0 m, Site soil type: Sandy loam



**Roof Dwelling 1** 111.11m<sup>2</sup>



**Roof Dwelling 2** 69.47m<sup>2</sup>



**Roof Dwelling 3** 55.9m<sup>2</sup>



**Driveway** Paved, 20.26m<sup>2</sup>



**permeable remaining surfaces** Pervious (garden and lawn), 233.87m<sup>2</sup>



**Pathways** Pervious (garden and lawn), 14.41m<sup>2</sup>

Treatments



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

**150%**



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

**150%**



**Rainwater Tank Dwelling 3**  
Rainwater tank retention volume in kilolitres: 2

**171%**



**Raingarden 1** Area: 1 m<sup>2</sup>, Extended detention depth: 0.3 m,  
Submerged zone depth: 0 m, Site soil type: Sandy loam

**208%**

**Dwelling 1** Residential Townhouse, 2 bedroom(s)

<b>Water sources</b>	I want to use the average efficiency for a typical new dwelling or building
<b>Basin taps - Primary water source</b>	Mains water
<b>Showers - Primary water source</b>	Mains water
<b>Clothes Washer - Primary water source</b>	Rainwater
<b>Toilets connected to mains water</b>	0
<b>Toilets connected to rainwater</b>	1
<b>Toilets connected to recycled water</b>	0
<b>Garden water use</b>	Garden water demands are not in use



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