



September 2020

## NOTES:

- Drawing in millimetres unless noted otherwise.
- Where excavation will occur, contractor must conduct a Before You Dig Australia (www.1100.com.au).
- 3. Use longer lasting submerged zone in dry climates where >3 weeks without rain is common.
- The top surface of the filter layer, transition layer and drainage layer must be constructed to be level.
- Option for 75mm thickness of 5-10mm pebble mulch scouring for high amenity areas and rain gardens in streets with steep gradient as agreed with CoPP
- Services should not traverse the system.
- 7. Avoid unsafe vertical drops along the edges of biofiltration systems to prevent accidental falls. Use gentle batter slopes (no greater than 1:4), planting of dense vegetation or placement of architectural features along vertical edges.
- Provide flat extensions at the back of kerbs where biofiltration systems are adjacent to car parking to allow safe access.
- Installation of the coarse sand transition layer and soil filter media is to be undertaken carefully to avoid displacement of the layers and in lifts of no more than 200 mm
- 10. For specification of filter media, transition layer and submerged zone sand and carbon source refer to specification on drawing CPP3510
- 11. Planting palette. Plant species to be suitable for bioretention systems and effective at nutrient removal. Typical species should contain min. 80% of the following species:
  - · Baumea juncea
- Goodenia ovata
- Melaleuca ericifolia

- Baumea rubiginosa
- Juncus amabilis
- Melaleuca incana
- · Carex appressa
- Juncus flavidus
- Melaleuca lateritia
- · Carex tereticaulis
- Juncus pallidus

- · Ficinia nodosa
- · Juncus subsecundus

Final plant selection to be approved by Council

	INLE	<u>INLE I</u>	
Α	APPROVED FOR USE	FEB 2023	
No	Revision	Date	

Transition from 150 high kerb to 0mm high

Locally lower invert at inlet by 20 -

kerb over 300

grate

Galvanised heel proof

slip resistant Class D

## Disclaimer:

TYPICAL RAINGARDEN KERB

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B2 barrier

kerb



Galv heel proof slip resistant

20

TYPICAL FOREBAY

Class D grate

Invert of kerb inlet to be set

20mm higher than overflow pit

fall 1:100min.

MCACA-CA-PP

32MPa charcoal

coloured concrete

75 depth Class 2 FCR

Approved	Project Services	Drawing Title	BIORET	ENTION SYSTEM	
Date	FEB. 2023	Original Size	Drawing No:	CPP3508	Rev:A