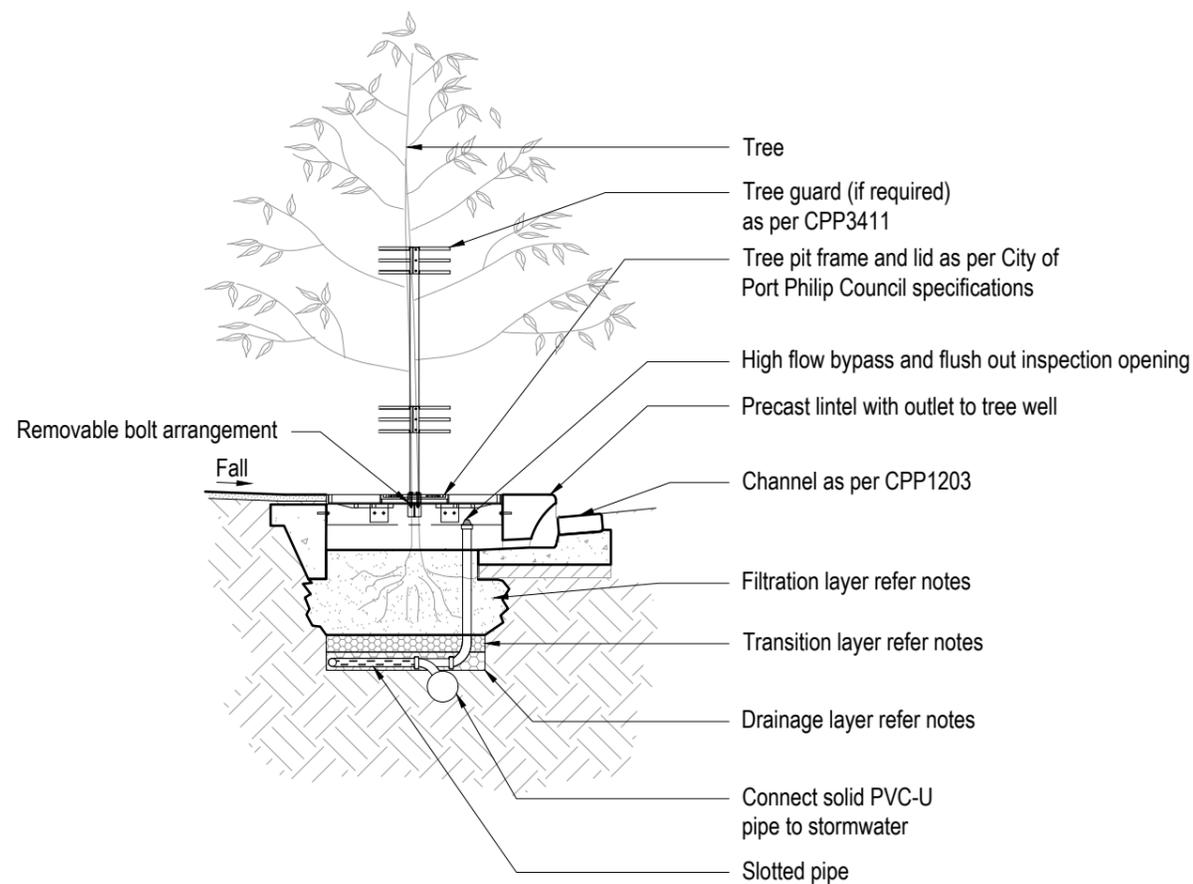


PLAN



ELEVATION

NOTES:

- Drawing in millimetres unless noted otherwise.
- Ensure water collects around the tree before it filters through a fast draining soil. Contractor to ensure water passes through the sand and gravel layer and infiltrates slotted pipe connected to the main stormwater drain.
- All bio-retention systems need to be designed by a stormwater engineer to ensure the design includes a sufficient level of retention capacity and provides an adequate level of treatment within the specific catchment area.
- Filtration layer:**
Depth: Minimum 450 mm. Depth to suit level of stormwater drain
Hydraulic conductivity: 100 mm per hour
Composition: 80% loamy Sand, 10% vermiculite and 10% perlite, by volume, evenly mixed. A small amount of compost is added to the top 10 cm.
Transition layer:
Composition: Course sand
Drainage layer:
Depth: 100 mm to 150 mm
Composition: Fine, clean washed gravel (2.5 mm particles)
- Where excavation will occur, contractor must conduct a Dial Before You Dig (www.1100.com.au).

A APPROVED FOR USE		DEC 2020
No	Revision	Date

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DRAWING NOT TO SCALE		Drawing Title	BIO-RETENTION TREE PIT
Approved	Project Services	Original Size	A3
Date	Dec. 2020	Drawing No:	CPP3302
			Rev: A