

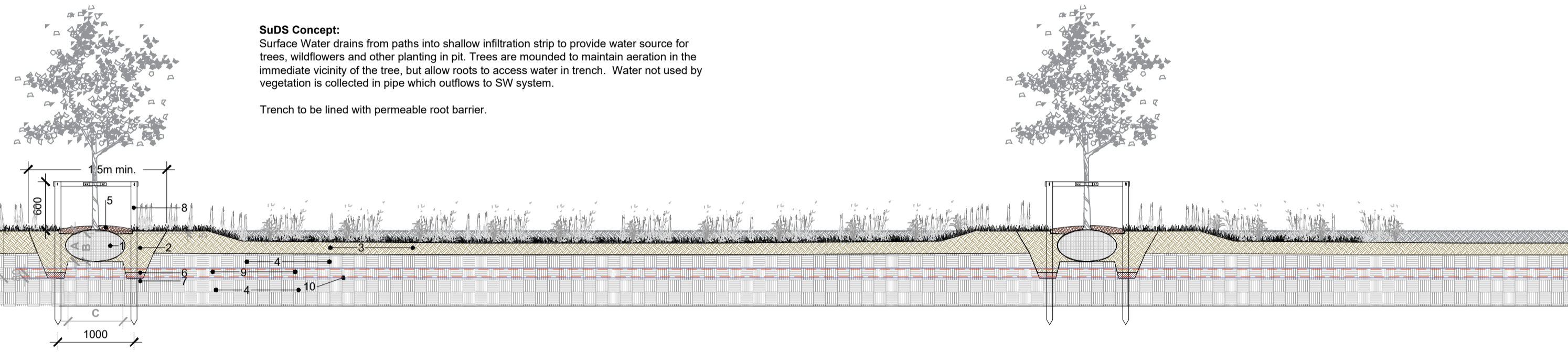
Infiltration Strip / Tree Pit - Long Section D01
C1
Scale 1:50

VARIES 8-12m

SuDS Concept:

Surface Water drains from paths into shallow infiltration strip to provide water source for trees, wildflowers and other planting in pit. Trees are rounded to maintain aeration in the immediate vicinity of the tree, but allow roots to access water in trench. Water not used by vegetation is collected in pipe which outflows to SW system.

Trench to be lined with permeable root barrier.



Notes:

1. Tree: rootball (nom. 450mm diameter); note - tree raised locally to elevate the rootball above the trench level.
2. Tree Pit in accordance with current Arboricultural best practice - wide, shallow topsoil area and free-draining subsoil similar to natural soil profile; Good quality topsoil sourced from site or imported and compliant with BS3882:2015 Multipurpose Topsoil with slow release fertiliser incorporated into backfill; 200mm depth between tree pits for grass; 450mm for shrubs/hedging stock.
3. Free-draining soil layer with from site 50-150mm max. as substrate for wildflower seed planting. Variable soil depths and low fertility are compatible with wildflower establishment; precise seed mix to be determined in collaboration with Ecologist following soil analysis and detailed design.
4. Free Draining Fill / Subsoil (to proposed levels and falls); subgrade to be broken up.
5. Bark mulch, 75mm depth.
6. 80mm layer of farmyard manure or a suitable compost material as approved by ER.
7. Base and sides of tree pit to be broken up / glazed sides roughened.
8. Double stake and crossbar; timber uprights 75mm dia. and crossbar min. 75x35mm; crossbar attached to uprights with timber screws; 40mm min. Nylon Reinforced Rubber Tree Tie strapping and flatback tree pad (70x42x2mm min.) to be attached using screws and washers.
9. Perforated Drainage Pipe with outfall to storm system (diameter / specification to Engineer's detail); Wrapped with root barrier fabric; Pipe to be centred in the trench generally, but bent around tree positions.
10. Permeable root barrier e.g. Terram Rootguard
11. Concrete Paving adjacent
12. Road

TREE PIT DIMENSIONS:

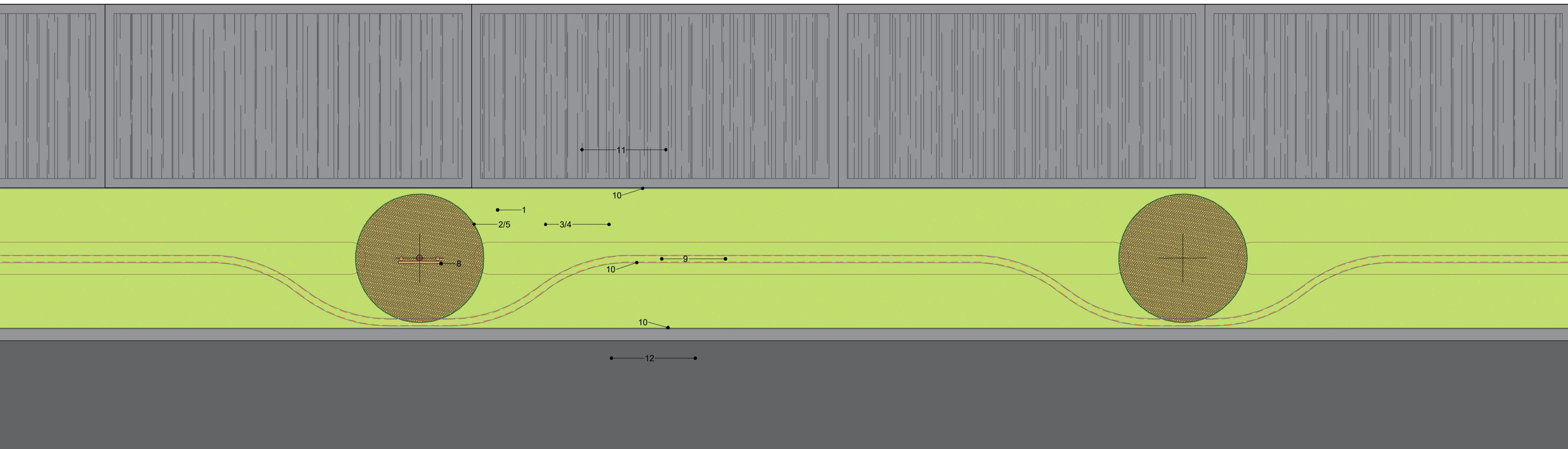
- A. Depth equal to rootball diameter
- B. Rootball diameter minus 50mm to accommodate root flare
- C. Width equal to diameter of rootball

Above detail developed with input from Arborist based on recent research and experience.

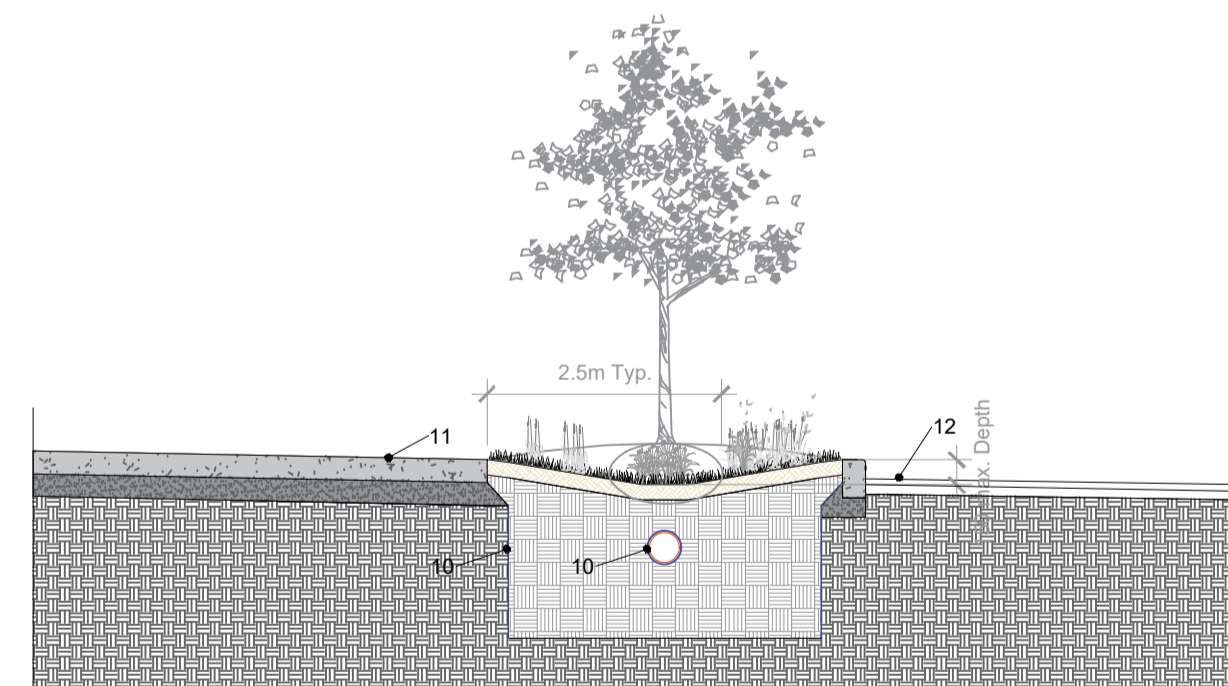


KeyPlan_Scale 1:2000

Infiltration Strip / Tree Pit - Plan D01c
C1
Scale 1:50



Infiltration Strip / Tree Pit - Cross Section D01b
C1
Scale 1:50



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REV	DATE	REVISION	DRAWN	CHECKED
0	16/03/22	IFP	HT	MB

CLIENT
Lismore Homes Ltd.

PROJECT SITE
GA2 Baldoyle

SHEET TITLE
Landscape Details Sheet 2 of 4

SHEET NO.	SHEET SIZE
1819_PL_D_02_IFP	A1
SCALE	REVISION
As Shown	0
STAGE	DATE
Planning	16/03/22