

Engineering Costs background: Street quantities

Quantities prepared by GHD, 2019

The cross sections and quantities contained in this pack have informed the *Fishermans Bend - Update of Infrastructure Costs - Memorandum of Preliminary Advice* (Slattery, 20 September 2023).

The following pages contain a series of typical cross sections developed by the Fishermans Bend Taskforce, and corresponding quantities developed by GHD and provided to Slattery for costing.

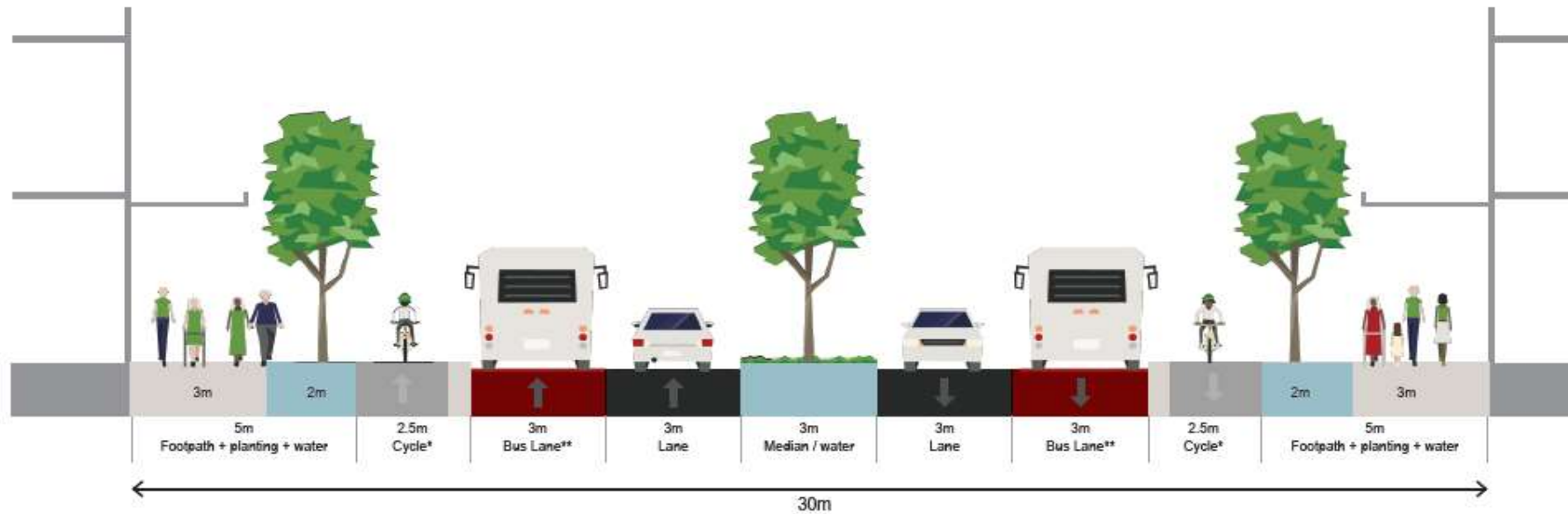
Table 1 below lists the Road Typology Classifications that have been applied to projects in the *Fishermans Bend Urban Renewal Area Development Contributions Plan* (Draft for Consultation - November 2023), the DCP project reference and corresponding adopted road width applied in the Draft DCP.

Refer to the Slattery report for further details regarding how these typologies have been applied.

Table 1: Road Typology Classifications and their application to DCP project costings

Road Typology Classification Code	Typology Per 10lm	Typology applied to DCP Project/s	Adopted Road Width (m)
1	Arterial Road	M-TR02A - Normanby Rd between Boundary St & Montague St M-TR02B - Normanby Rd between Montague St road upgrade M-TR03 - Montague St between Munro St & City Rd	30
4	Collector Street with bus (30m)	L-TR02 - Ingles St upgrade to a collector street between Lorimer St & Turner St W-TR06 - Salmon St upgrade to collector between Williamstown Rd and West Gate Freeway S-TR09 - Ingles St upgrade to collector st between Fennell St and Williamstown Rd	30
5	Local/collector street (22m)	S-TR16 - New local street between Ingles St and Boundary St	22
6	Collector/local Street (30m)	W-TR09 - Graham St upgrade to collector/local street with parking and linear park M-TR01 - Johnston St upgrade to a collector/local street with parking and linear park	30
7	Local Street no separated cycle path (20m)	S-TR10 - Woodruff St upgrade to local street between Ingles St and Boundary St S-TR14 - New local street between Bridge St and Bertie St S-TR15 - New local street between Bertie St and Ingles St M-TR05 - Douglas St upgrade to a local street M-TR06 - Meadan St upgrade to a local street	20
8	Local Street (12-15m)	L-TR04 - Boundary St upgrade to local street between Rogers St and West Gate Freeway	15
9	Local Street pedestrianised (12m)	L-TR05 - Hartley St upgrade to local street between Rogers St and West Gate Freeway	12
11	Neighbourhood Street (22m)	L-TR03 - Rogers St upgrade to neighbourhood street S-TR06 - Bertie St upgrade to a neighbourhood street between Fennell St & Woodruff St	20
13	Local Street with linear open space (30m) COM	W-TR04 - Smith St between Plummer St & Williamstown Rd S-TR01 - Woolboard Rd extension between Graham St and Bridge St S-TR07 - Between Bridge St and Bertie St north of Williamstown Rd S-TR03 - Bridge St between Williamstown Rd to S-TR01 S-TR05 - Bertie St between Fennell St & Woolboard Rd extension to S-TR04 S-TR08 - Woodruff St between Bertie St & Ingles St M-TR04B - Buckhurst St between Montague St and Ferrars St	30
14	Local Street with linear open space (30m) CoPP	W-TR03 - Smith St northern extension W-TR02 - Woolboard Rd between Smith St northern extension & Salmon St W-TR07 - Woolboard Rd between Salmon St & edge of existing road reserve W-TR08 - Woolboard Rd between existing road reserve to Graham St W-TR05 - Tarver St extension east between Smith St & Salmon St S-TR02 - Between Graham St & Bridge St south of Plummer St S-TR04 - Between Bridge St & Bertie St S-TR11 - Between Boundary St & White St S-TR12 - Between White St & Governor Rd M-TR04A - Buckhurst St upgrade between Boundary St & Montague St	30
15	Neighbourhood Street no separated cycling (22m)	L-TR01 - North-south street between Ingles St & Turner St W-TR01 - Tarver Street between Prohasky St & Smith St	20

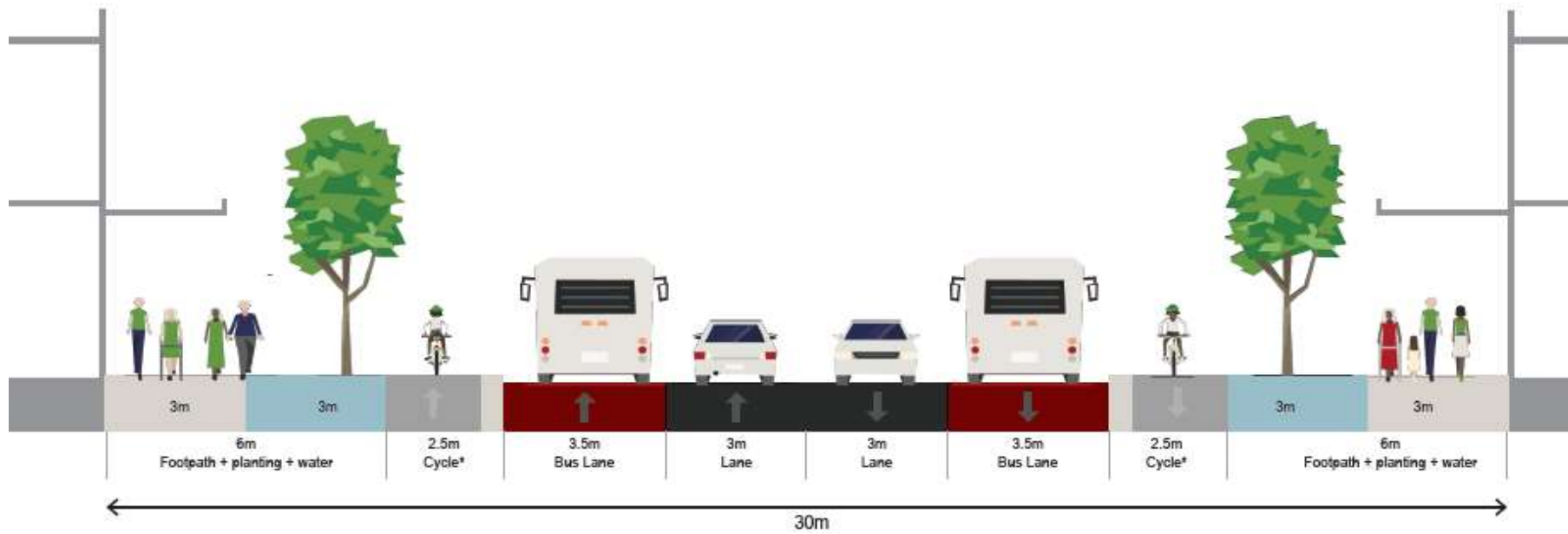
1. Arterial Road (30m)



Road Element	Width	Length	Area
Footpath	3.00	10.00	30.00
Med. Water	2.00	10.00	20.00
Cycle	2.50	10.00	25.00
Bus lane	3.00	10.00	30.00
Road lane	3.00	10.00	30.00
Med. Water	3.00	10.00	30.00
Road lane	3.00	10.00	30.00
Bus Lane	3.00	10.00	30.00
Cycle	2.50	10.00	25.00
Med. Water	2.00	10.00	20.00
Footpath	3.00	10.00	30.00

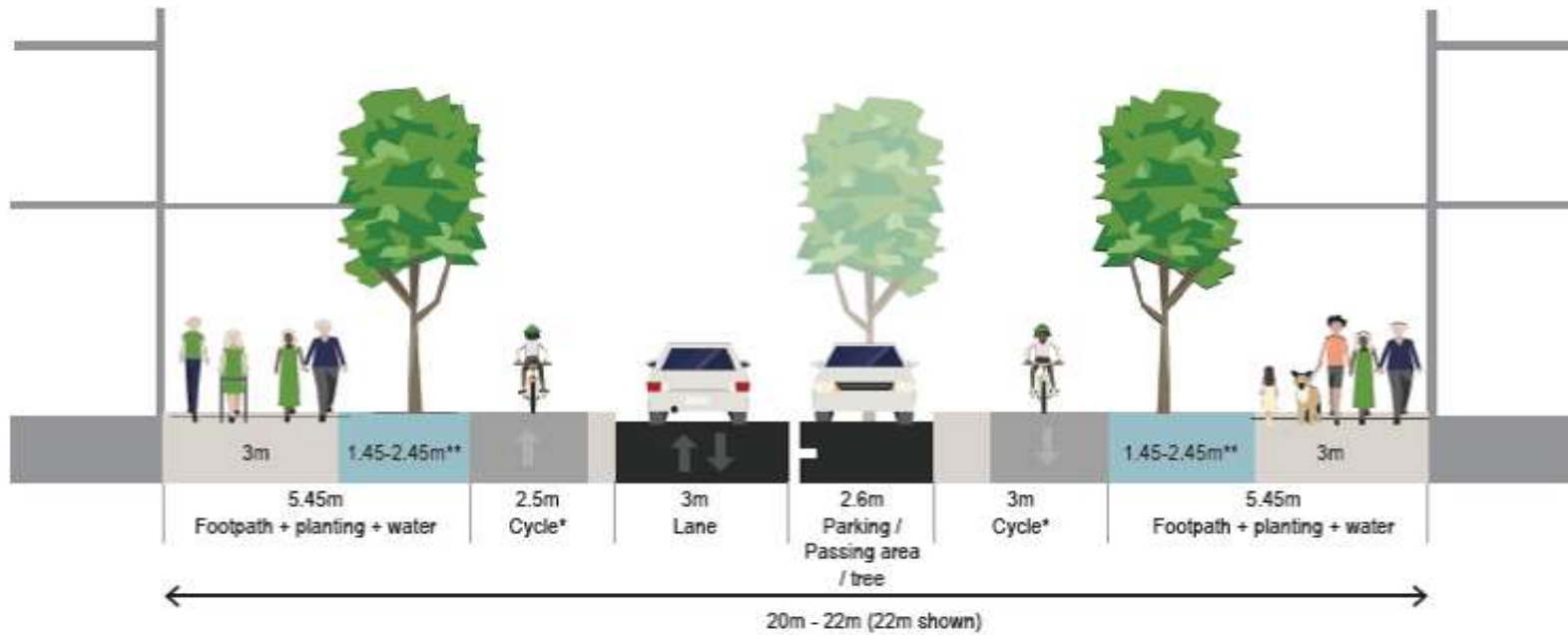
Summary	
Footpath	60.00
Med. Water	70.00
Cycle	50.00
Bus lane	60.00
Road lane	60.00

4. Collector Street with Bus (30m)



Summary	
Footpath	60.00
Med. Water	60.00
Cycle	50.00
Bus lane	70.00
Road lane	60.00

5. Local/collector street (22m)



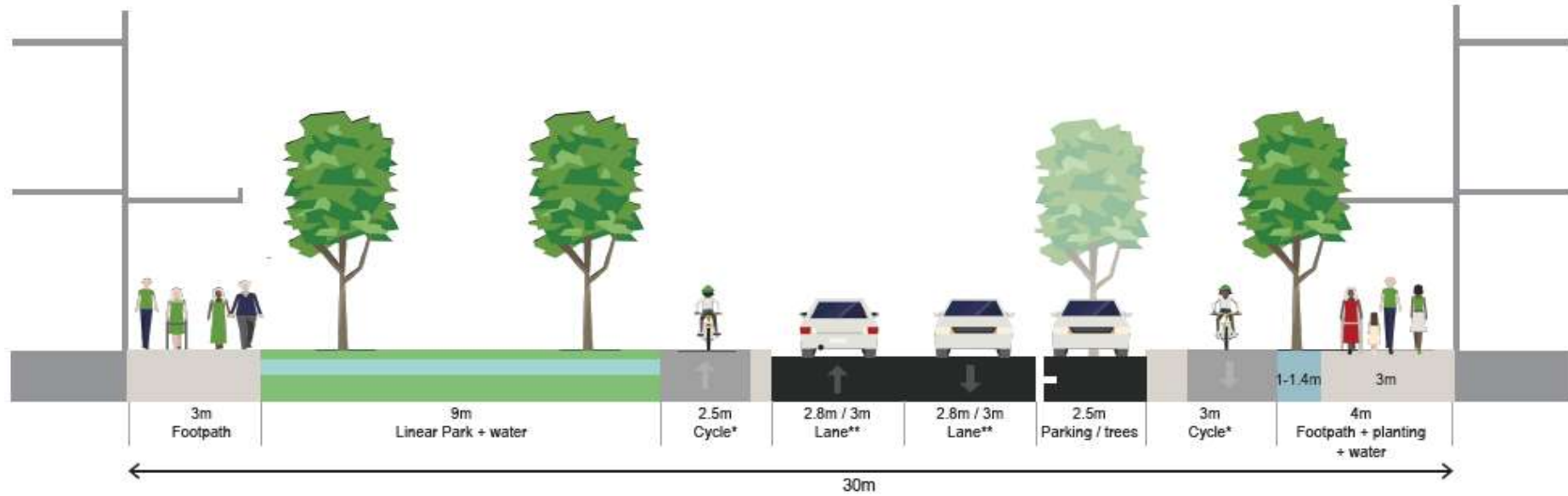
For 22m

Summary	
Footpath	60.00
Med. Water	49.00
Cycle	55.00
Road Lane incl Parking	56.00

For 20m

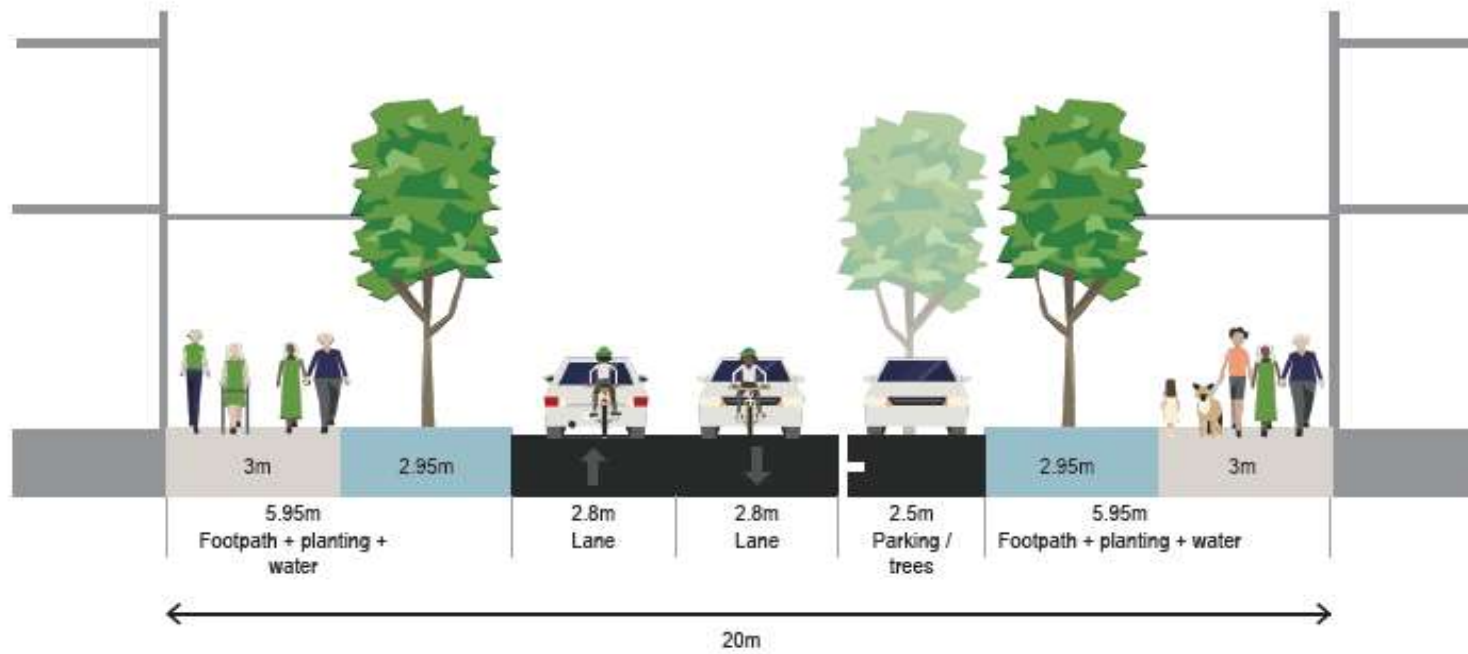
Summary	
Footpath	60.00
Med. Water	29.00
Cycle	55.00
Road Lane incl Parking	56.00

6. Collector/Local Street with 12m linear park (30m)



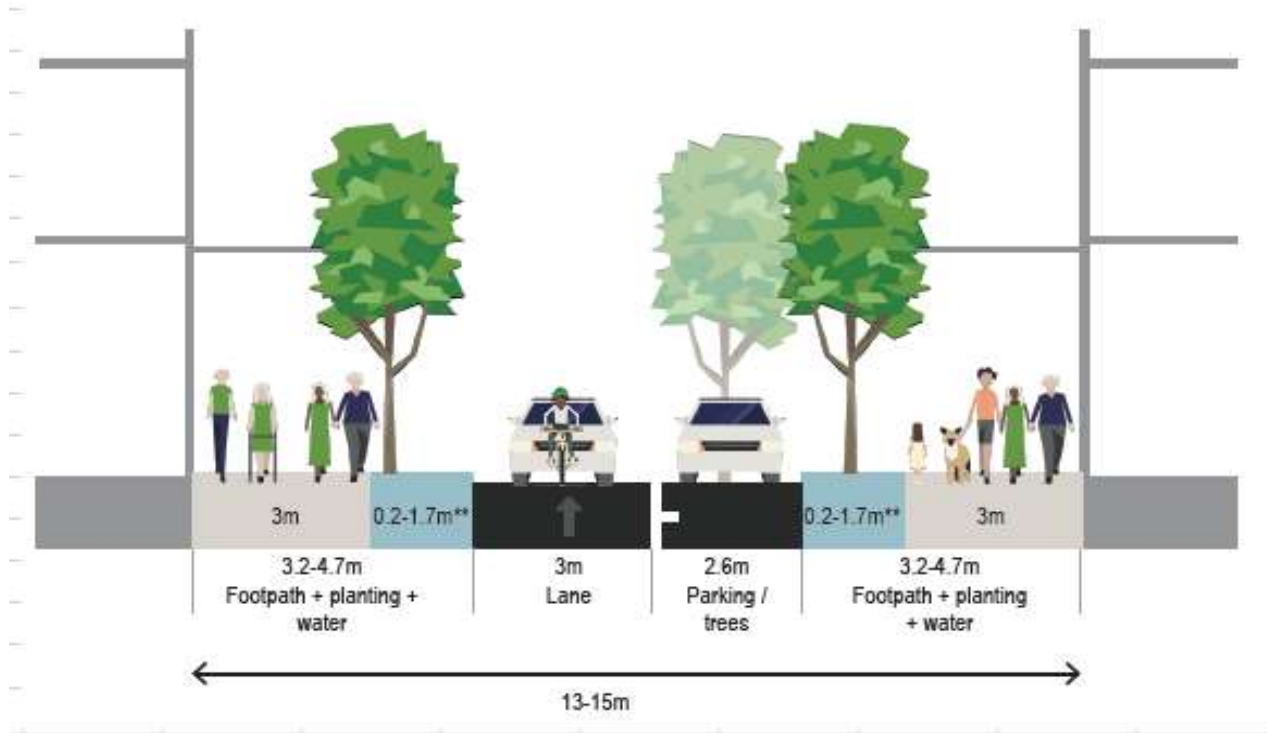
Summary	
Footpath	60.00
Vegetation	90.00
Cycle	55.00
Road Lane	85.00
Med. Water	10.00

7. Local Street no separated cycle path (20m)



Summary	
Footpath	60.00
Med. Water	59.00
Road Lane incl Parking	81.00

8. Local Street (12-15m)



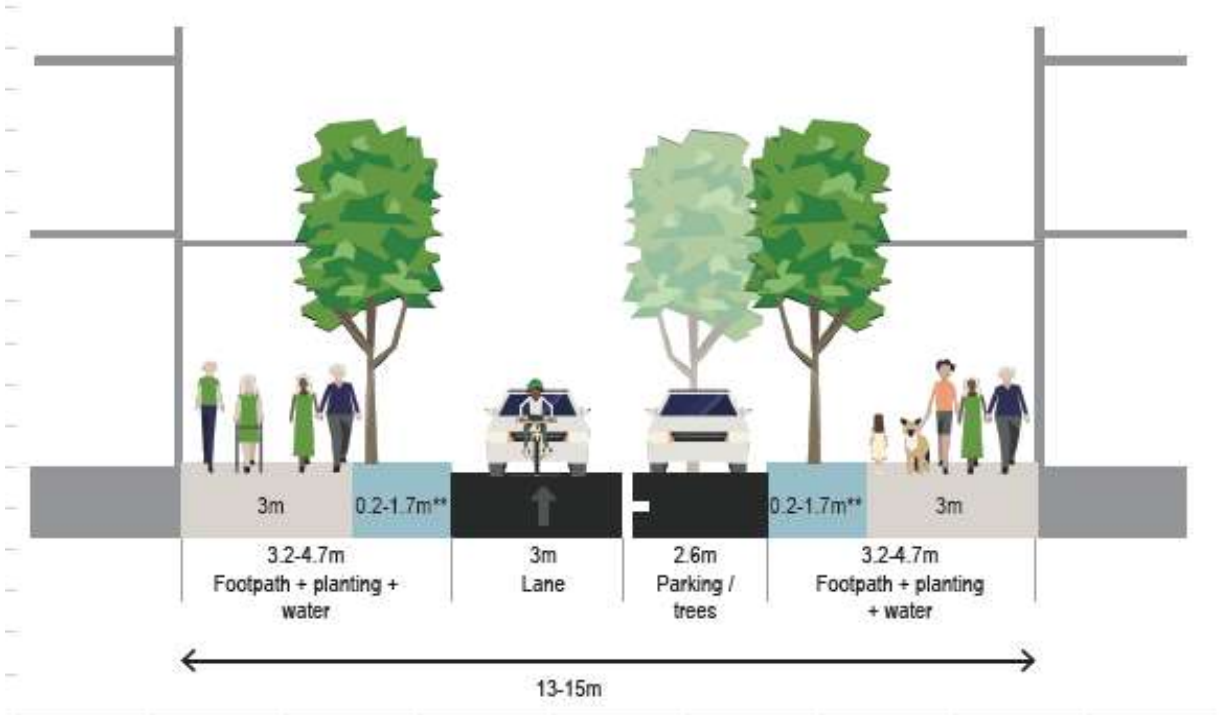
For 15m

Summary	
Footpath	60.00
Med. Water	34.00
Road Lane incl Parking	56.00

For 12m

Summary	
Footpath	60.00
Med. Water	4.00
Road Lane incl Parking	56.00

9. Local Street pedestrianised (12m)



For 15m

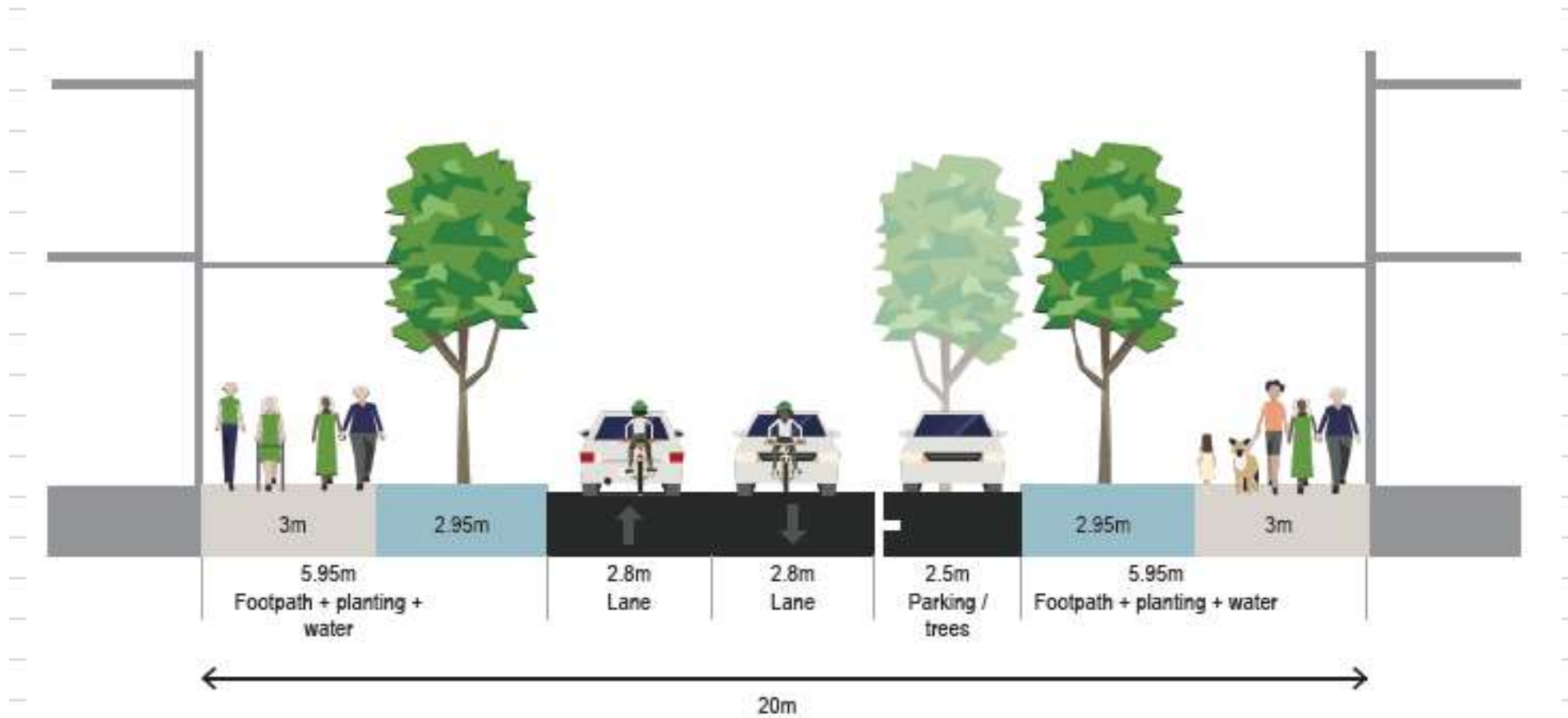
Summary	
Footpath	60.00
Med. Water	34.00
Road Lane incl Parking	56.00

For 12m

Summary	
Footpath	60.00
Med. Water	4.00
Road Lane incl Parking	56.00

11. Neighbourhood Street (22m)

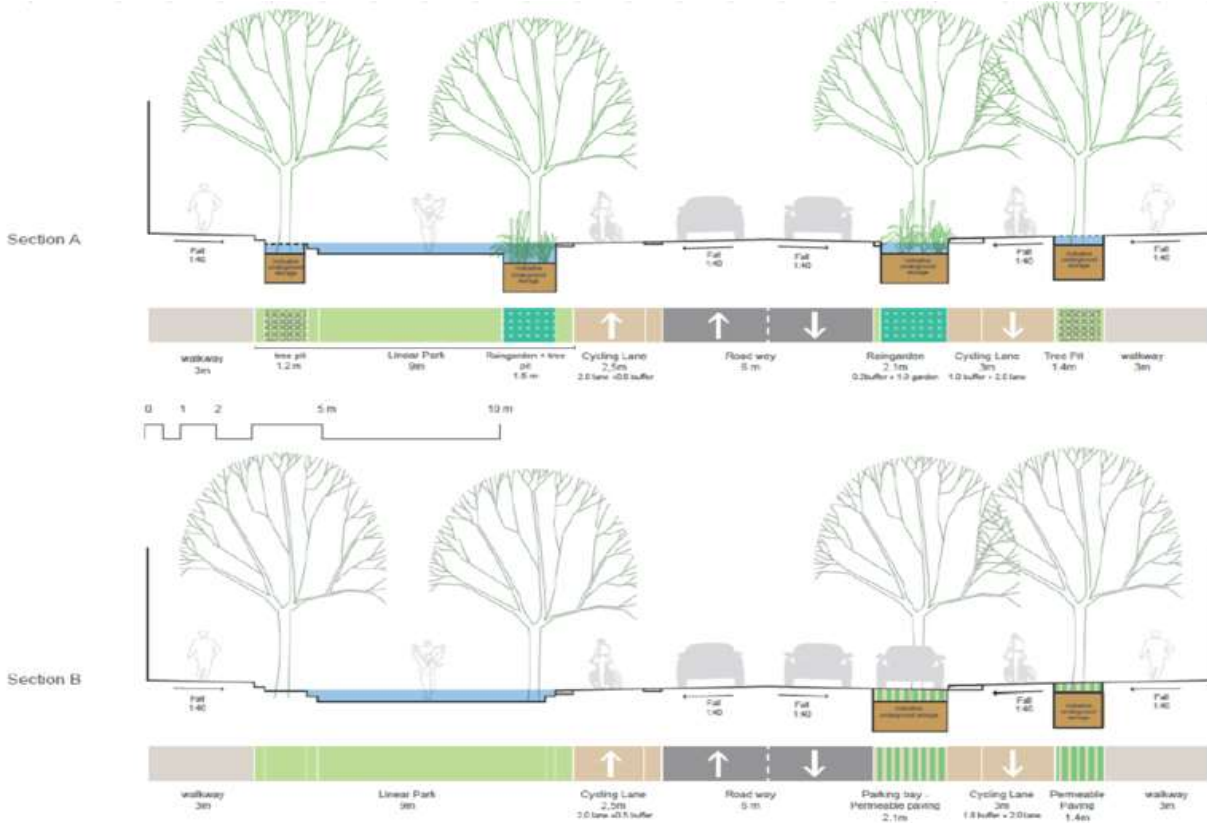
A 20m wide cross-section is adopted as part of the project refinement process, which resulted in a reduction of 2m width.



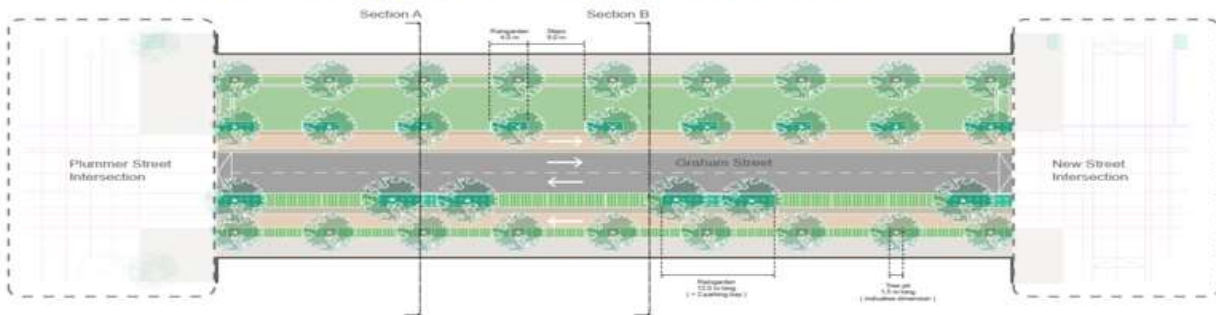
Summary	
Footpath	60.00
Med. Water	59.00
Road Lane incl Parking	81.00

60.00
59.00
81.00

13 & 14 Local/Collector Street with linear open space (30m)



30 metre green linear park street

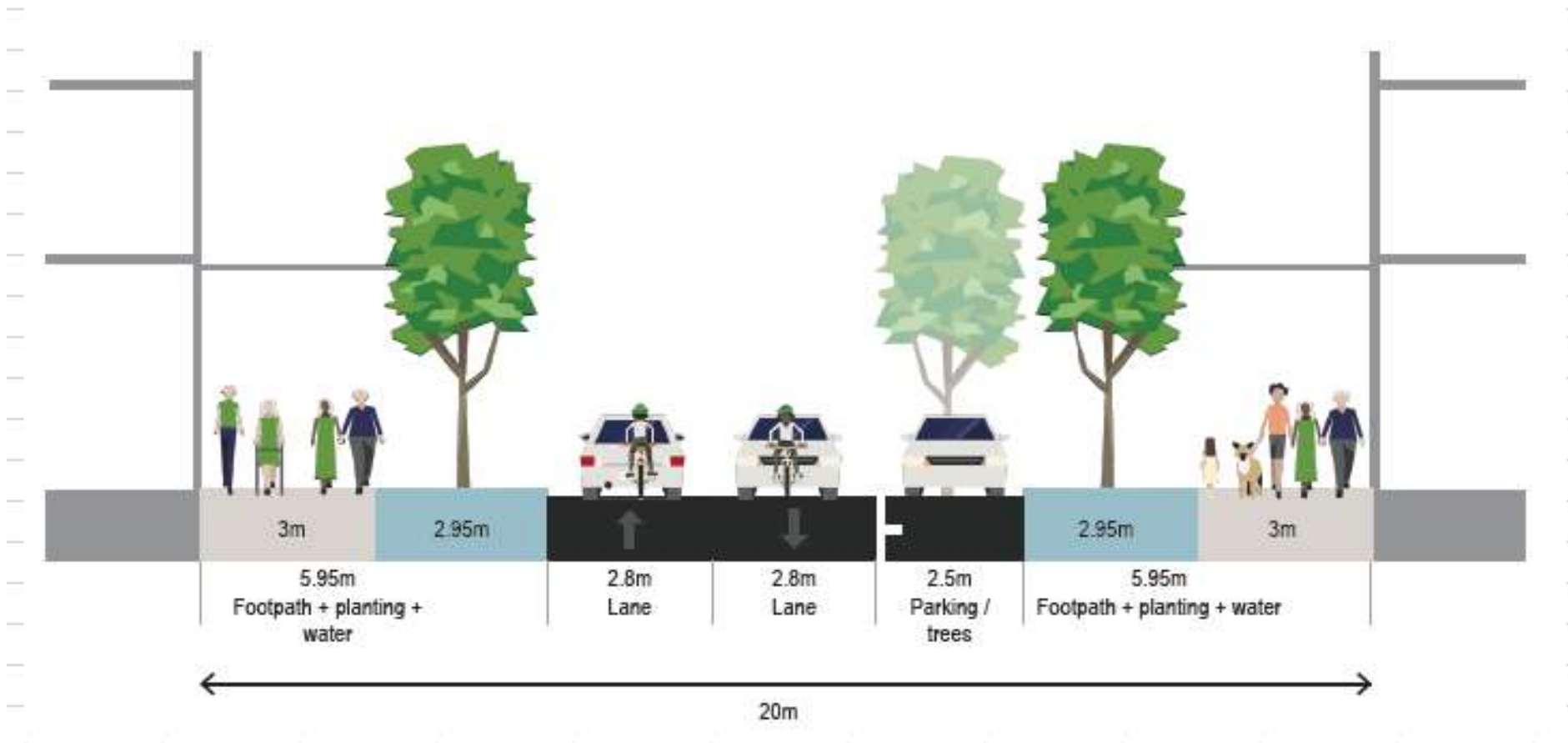


- Cycling Lane
- Tree pit - every 10 m
- Linear Park - Lawn
- Raingarden
- Walkway
- Roadway
- Permeable Paving

Disclaimer: This plan function is to inform stormwater management strategy. Any other elements such as, Street furniture, playground, street light, barbecues etc... as well as linear park concept design to be determined later.

15. Neighbourhood Street CoPP palette

A 20m wide cross-section is adopted as part of the project refinement process, which resulted in a reduction of 2m width.



Summary	
Footpath	60.00
Med. Water	59.00
Road Lane incl Parking	81.00