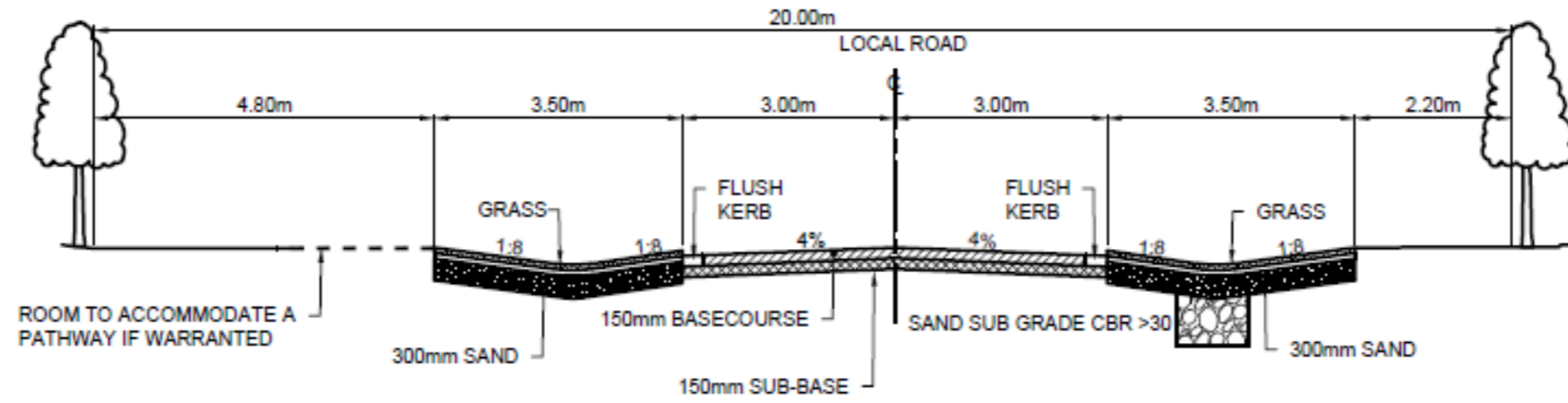
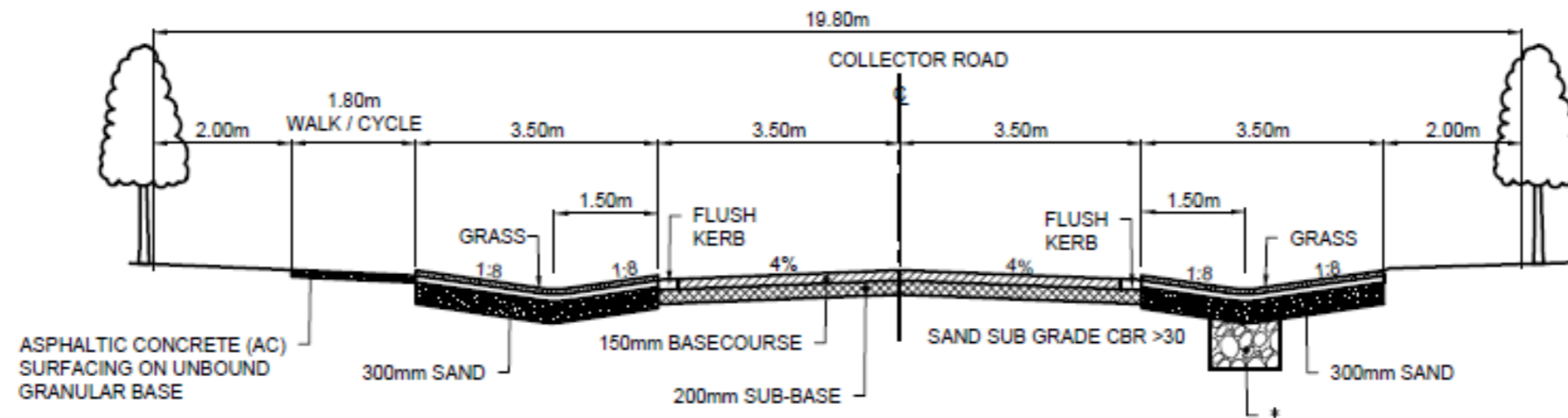


Local roads in Lorenzen Bay Structure Plan Area	>8	50-80 (max)	N/A	17 (Complies with Figure 14.1.5.18)	6		2.5 metres on alternative sides	11	Subject to specific design that has been certified	1.5 metres on one side of the road	Subject to specific design that has been certified	Yes
Roads in Te Kauwhata Structure Plan area	>1	50-80 (max)	N/A	20	Refer to Figures 14.1.5.19-14.1.5.21 (cross-sections)							
Roads in Ohinewai Structure plan area	>1	30-80 (max)	N/A	16	Refer to typical cross-sections (Figures 14.12.5.22 and 14.12.5.23). see Ohinewai Structure Plan (Figure x) for location of Road Types.							

Figure 14.12.5.17 – Tamahere Country Living Zone - Road cross sections



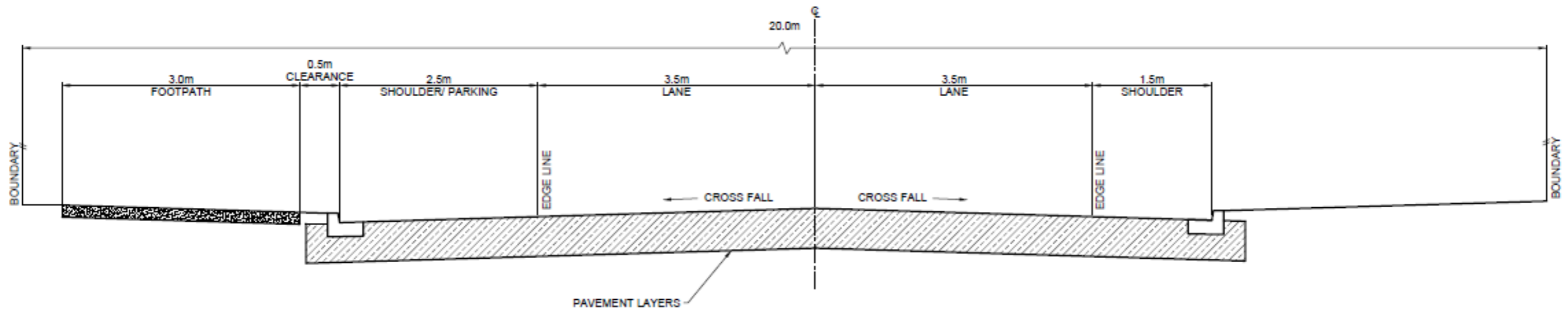
CROSS SECTION OF LOCAL ROAD - TAMAHERE COUNTRY LIVING ZONE
SCALE : 1:50



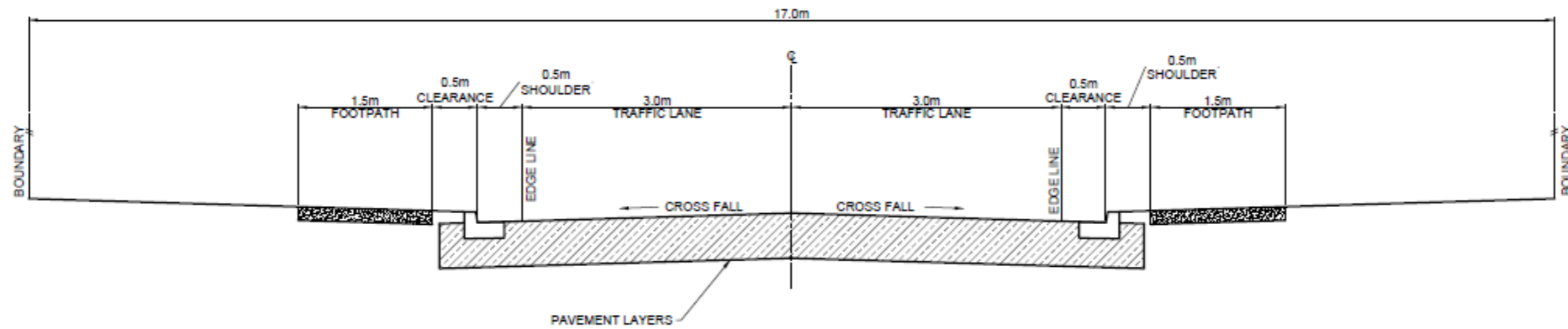
CROSS SECTION OF COLLECTOR ROAD - TAMAHERE COUNTRY LIVING ZONE
SCALE : 1:50



Figure 14.12.5.18 – Lorenzen Bay Structure Plan - Road cross sections



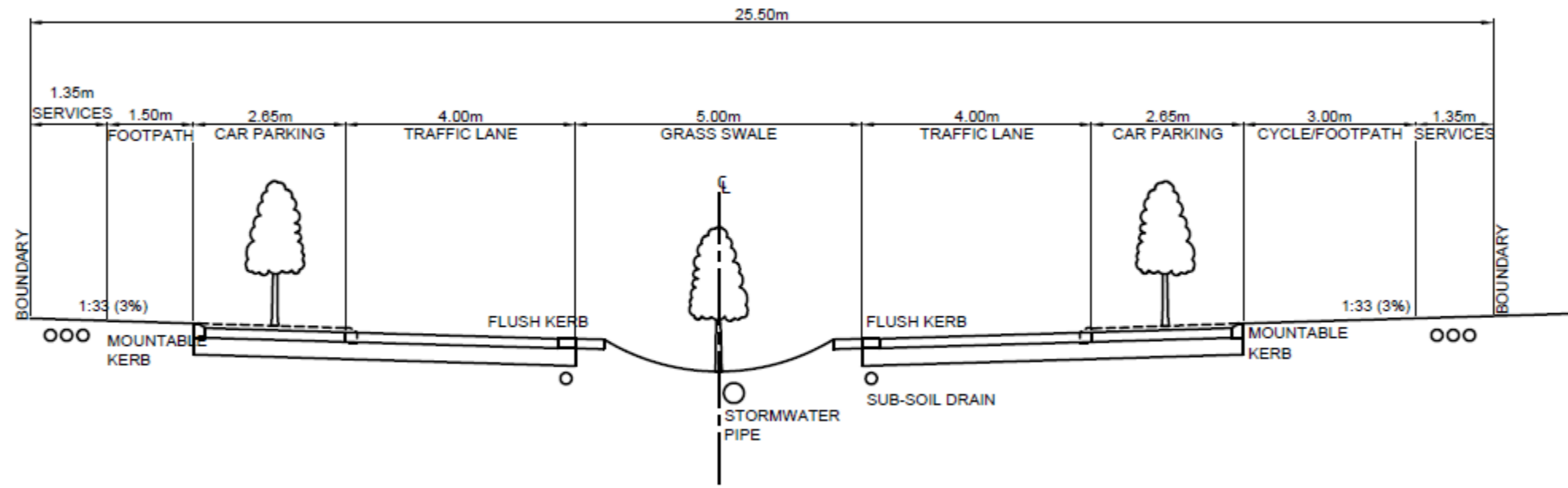
CROSS SECTION THROUGH COLLECTOR ROAD - LORENZEN BAY
SCALE : 1:25



CROSS SECTION THROUGH MINOR ROAD - LORENZEN BAY
SCALE : 1:25



Figure 14.12.5.19 – Te Kauwhata Structure Plan – Road cross sections – Collector Roads

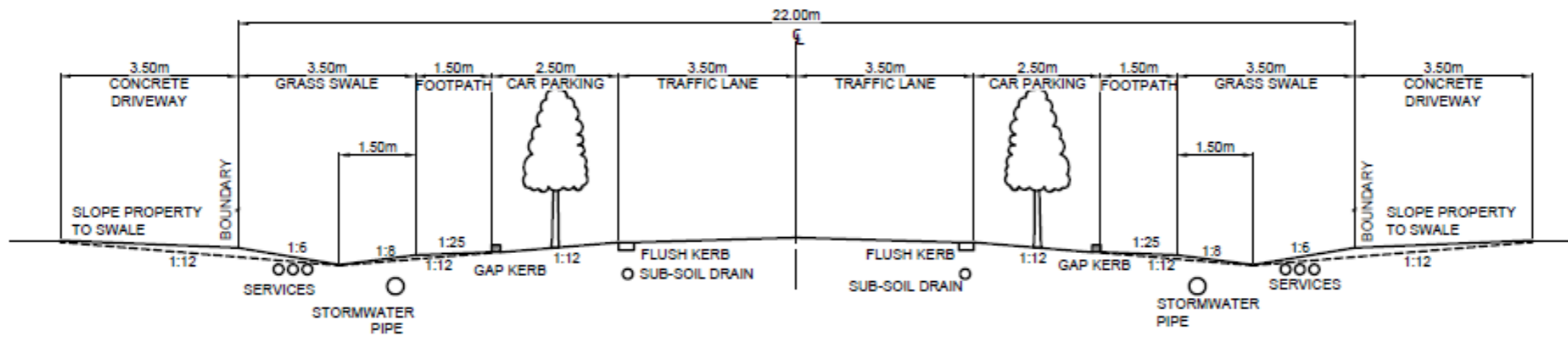


NOTE:
 1. SWALE DESIGN TO INCLUDE ANTI-SCOUR MECHANISMS WHERE REQUIRED.

CROSS SECTION THROUGH COLLECTOR ROAD 25.5m (vpd>1500)
 SCALE 1:50
 TE KAUWHATA STRUCTURE PLAN



Figure 14.12.5.20 – Te Kauwhata Structure Plan – Road cross sections – Local Roads



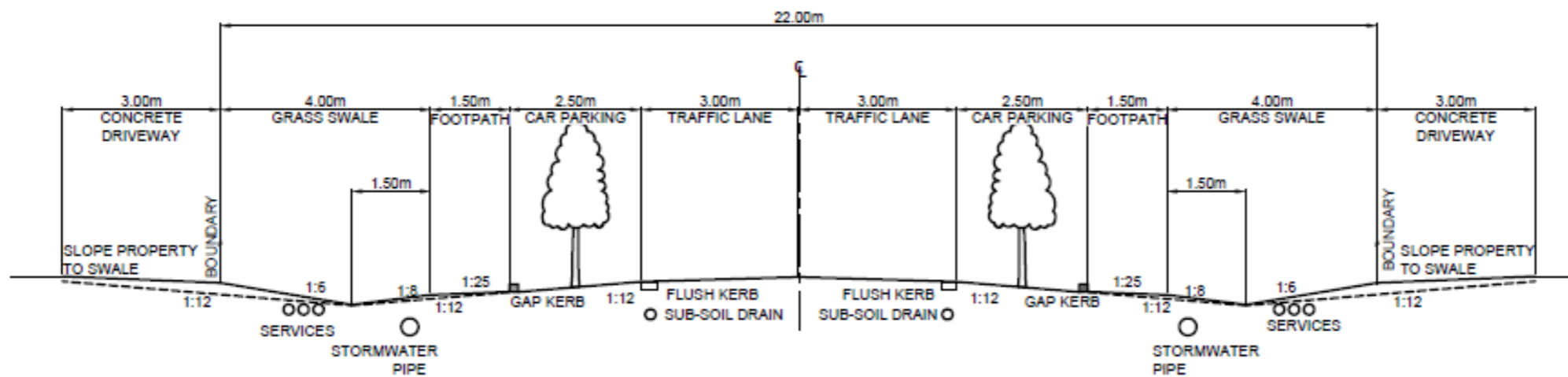
CROSS SECTION THROUGH LOCAL ROAD A (500<vpd<1500)

SCALE : 1:50

TE KAUWHATA STRUCTURE PLAN

NOTE:

1. SWALE DESIGN TO INCLUDE ANTI-SCOUR MECHANISMS WHERE REQUIRED.



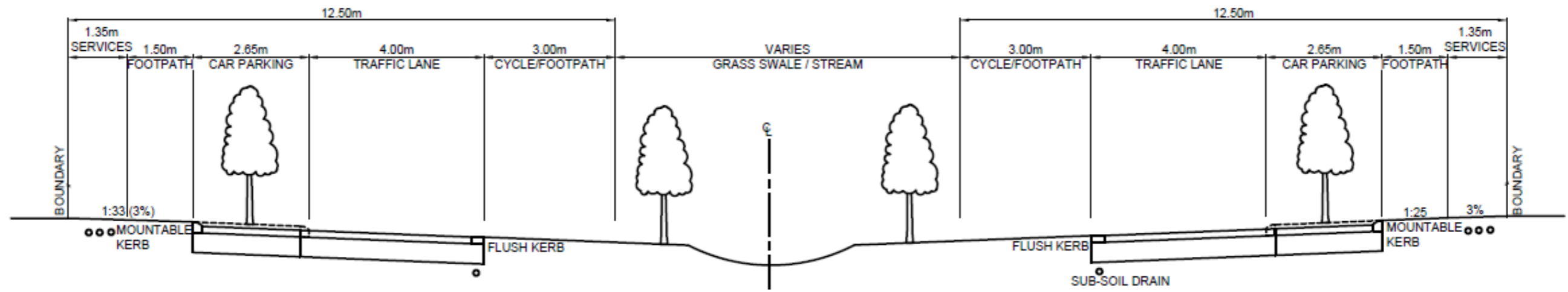
CROSS SECTION THROUGH LOCAL ROAD B (vpd<500)

SCALE : 1:50

TE KAUWHATA STRUCTURE PLAN

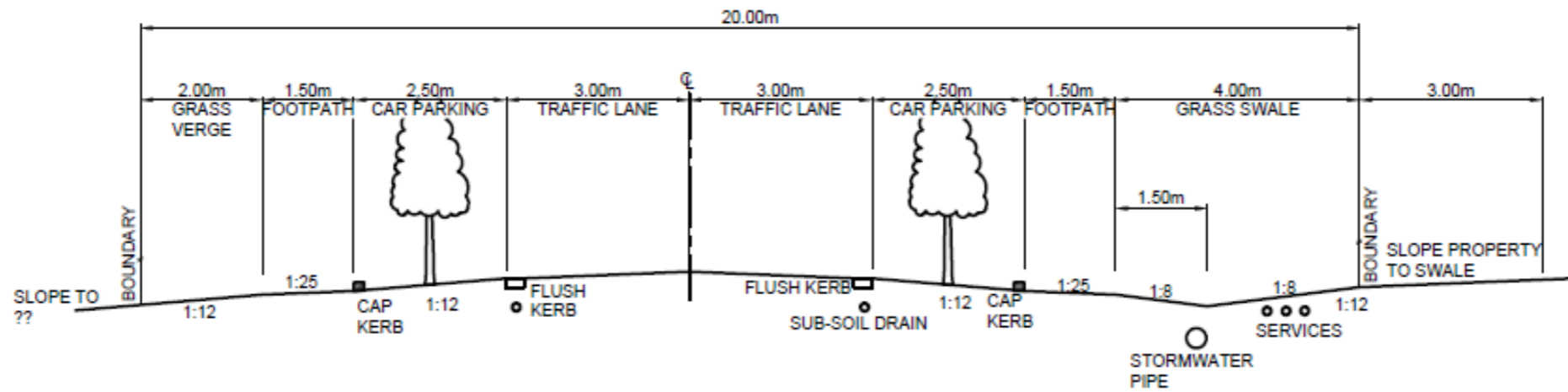


Figure 14.12.5.21 – Te Kauwhata Structure Plan – Road cross sections – Greenway Corridor and Whangamarino Margin Roads



CROSS SECTION THROUGH GREENWAY CORRIDOR 25m
SCALE : 1:50
TE KAUWHATA STRUCTURE PLAN

NOTE:
SWALE DESIGN TO INCLUDE
ANTI-SCOUR MECHANISMS
WHERE REQUIRED



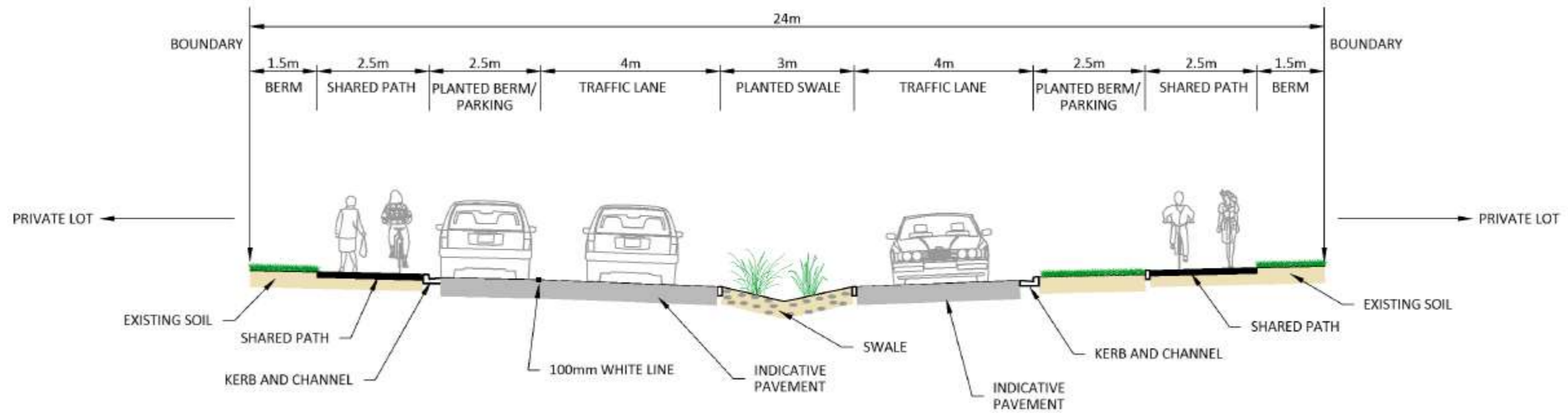
CROSS SECTION THROUGH WHANGAMARINO MARGIN (vpd<500)
SCALE : 1:50
TE KAUWHATA STRUCTURE PLAN



Figure 14.12.5.22 – Ohinewai Structure Plan - Road cross sections – Local Roads (Business and Industrial Roads)

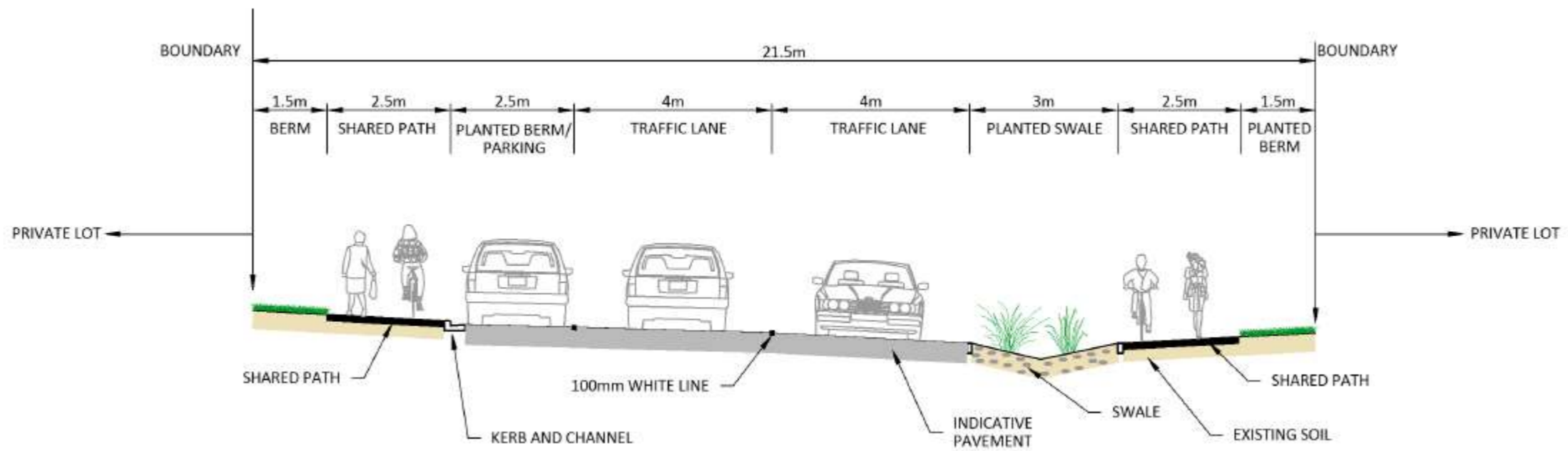
TYPICAL CROSS SECTION THROUGH COMMERCIAL / INDUSTRIAL ROAD 1

(4,000 < vpd < 6,000)



TYPICAL CROSS SECTION THROUGH COMMERCIAL / INDUSTRIAL ROAD 2

(1,000 < vpd < 4,000)



TYPICAL CROSS SECTION THROUGH COMMERCIAL / INDUSTRIAL ROAD 3
(500 < vpd < 2,500)

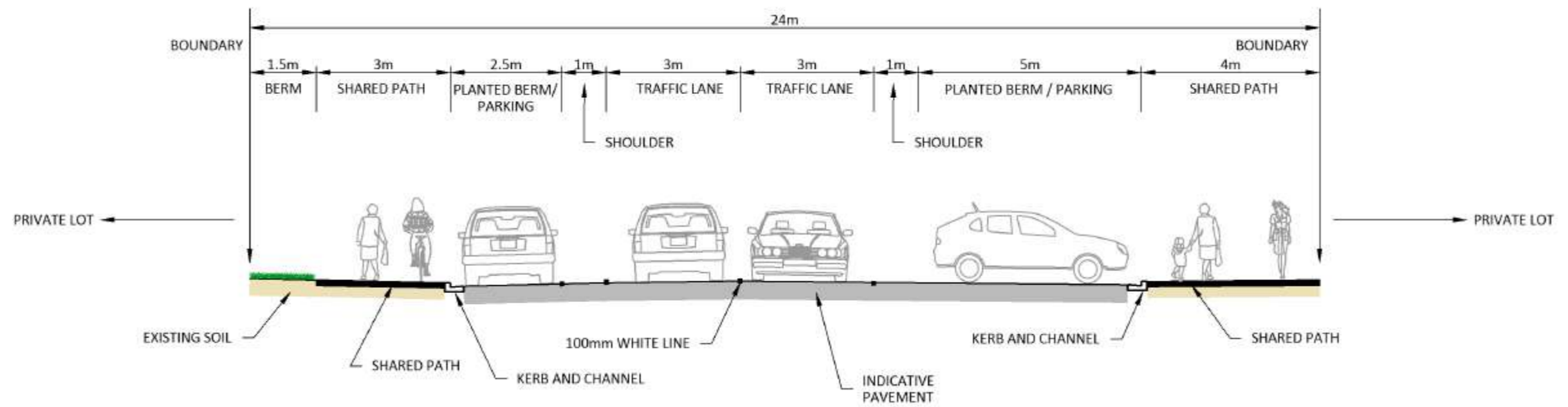
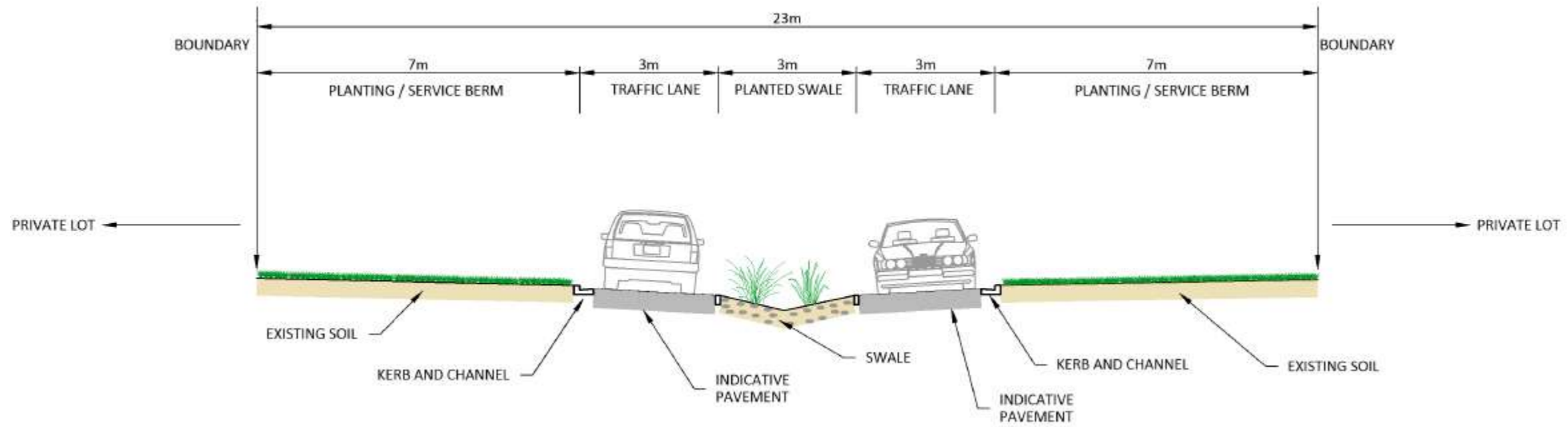


Figure 14.12.5.23 – Ohinewai Structure Plan - Road cross sections – Local Roads (Residential Roads)

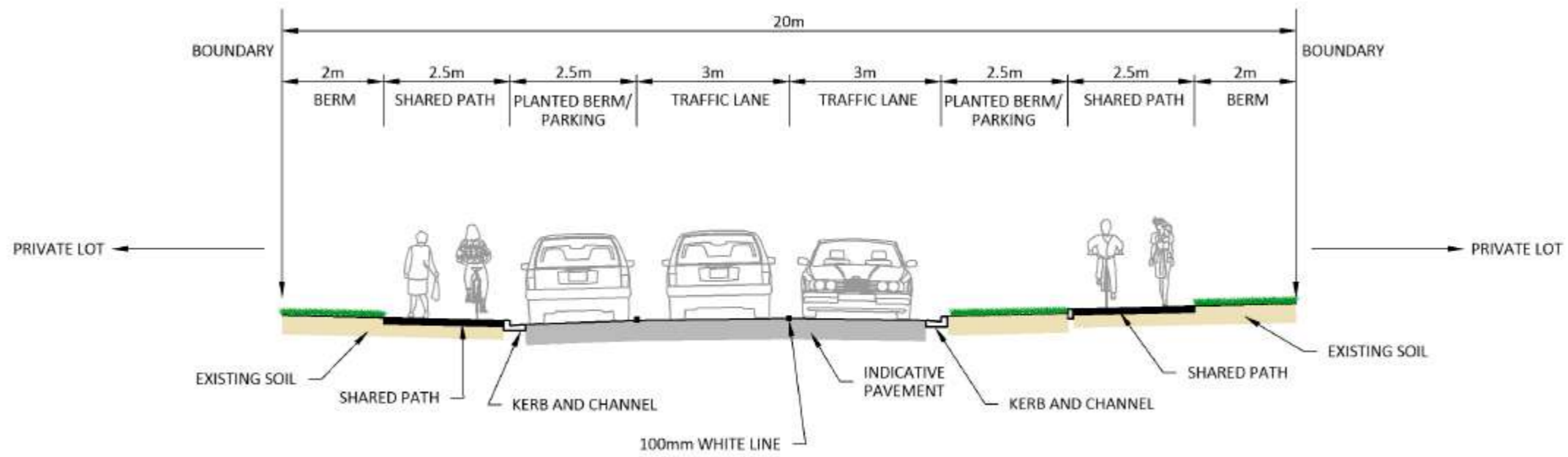
TYPICAL CROSS SECTION THROUGH RESIDENTIAL ROAD 1

(3,000 < vpd < 6,000)



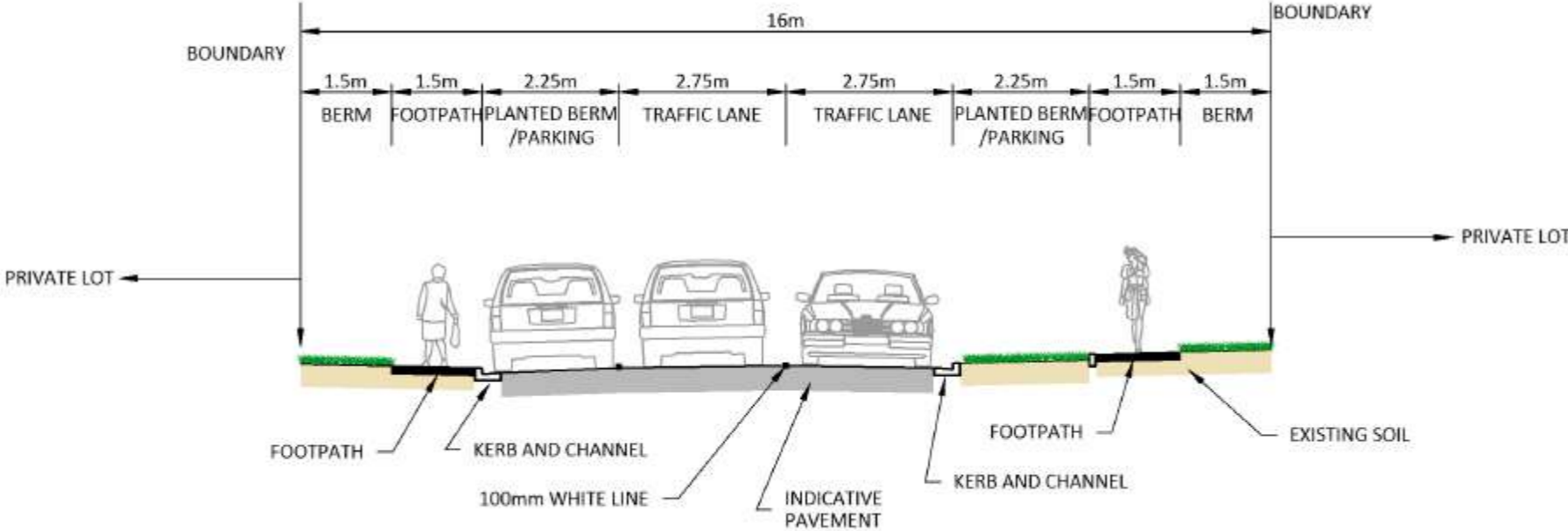
TYPICAL CROSS SECTION THROUGH RESIDENTIAL ROAD 2

(1,000 < vpd < 4,000)



TYPICAL CROSS SECTION THROUGH RESIDENTIAL ROAD 3

(vpd < 1,000)



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