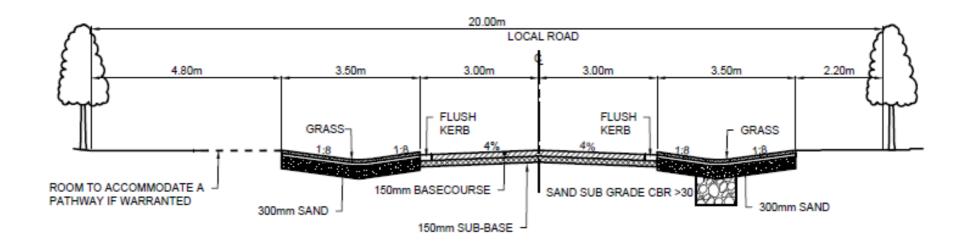
Table 14.12.5.14 – Access and road conditions (Residential, Village, Business, Business Town Centre and Industrial Zones)

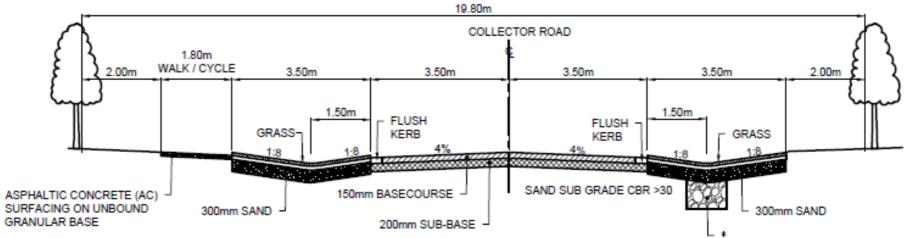
	General				Seal Width				Berms		General	
Road Type	Number of <mark>Allotments</mark> or Activities	Design Speed (km/h)	Design Vehicle (RTS 18 Vehicle)	Minimum Road/ROW Reserve Width (m)	Minimum Trafficable Carriageway (m)	Minimum Median Provision (m)	Parking Provision	Minimum Total Seal Width (m) Does not include concrete kerb width	Minimum Services (m)	Minimum Footpath / Shared path (m)	Kerb and Channel / Water-table	Turning Area for no exit roads (RTS 18 Vehicle)
		Aco	cess and road con	ditions (Residentia	l, Village, Business,	Business Town C	entre, Industrial a	nd Heavy Industri	ial Zones)			•
Access leg to an <mark>allotment</mark> (Residential, Village)	I	N/A	8m Rigid	4	N/A							
Access leg to an <mark>allotment</mark> (Business and Industrial)		N/A	-	6	N/A							
rivate access, including ROWs and	2 to 4	N/A	-	8	5	N/A	N/A	4	Unsealed 1.2m on	N/A	Nib on one side,	Subject to specif
<mark>access allotments</mark> (Residential, Village)									at least one side		mountable on other	design that has be certified
rivate access, including ROWs and <mark>access allotments</mark> (Business and Industrial)	2 to 8	N/A	-	10	6		N/A	6			Mountable	Subject to specifi design that has be certified
Access allotment (Residential, Village)	5 to 8	N/A	-	8	5		Optional	5	-		Mountable	Yes
Service Lane (Business and Industrial)	N/A	N/A	Subject to specific design that has been certified	8	6		No parking	6	Subject to specific design that has been certified	Optional	Non-mountable	Subject to specifi design that has be certified
Local Road	>8	50	8m Rigid	20	6	None	Im on each side	8	-	1.8m on each side		8m Rigid
(Residential, Village)												
Local Road (Business and Industrial)			19m Semi		9		Optional	9				19m Semi
Collector Road (Residential, Village)	>100	50	8m Rigid	22	6	Subject to specific design that has been certified	2.5m on each side	11		1.8m on each side		8m Rigid
Collector Road (Business and Industrial)			19m Semi		7			12	-			19m Semi
Arterial Road	N/A	60	19m Semi	30	10	3	Recessed 2.5m on	13	-	1.8m on each side		N/A
(Residential, Village)							each side					
Arterial Road (Business and Industrial)												

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

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





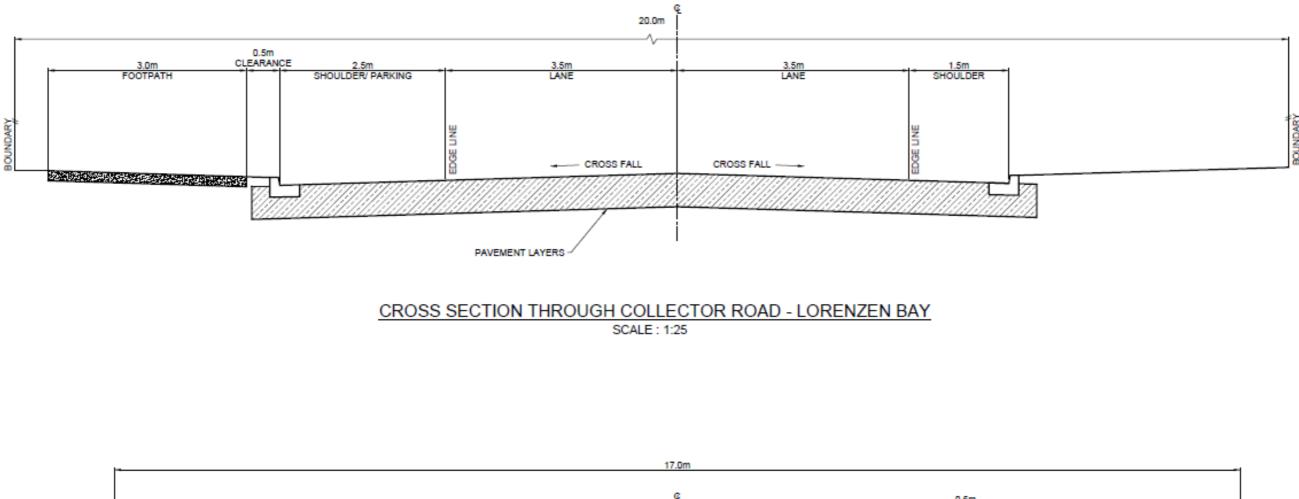
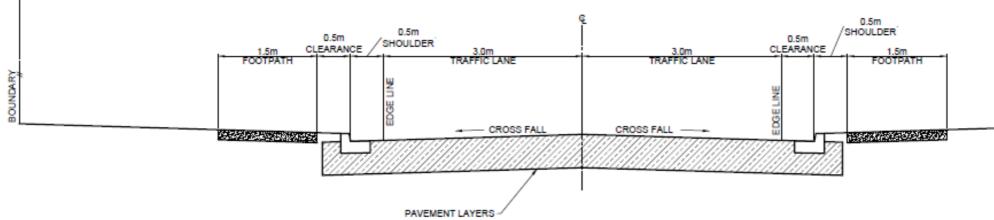


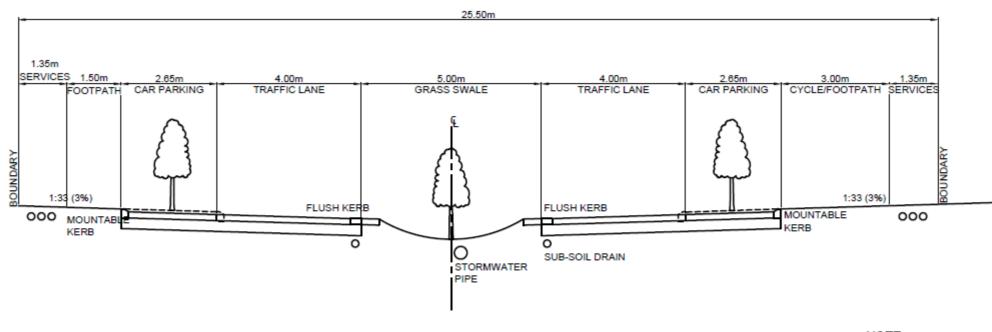
Figure 14.12.5.18 - Lorenzen Bay Structure Plan - Road cross sections



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

SCALE 125

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



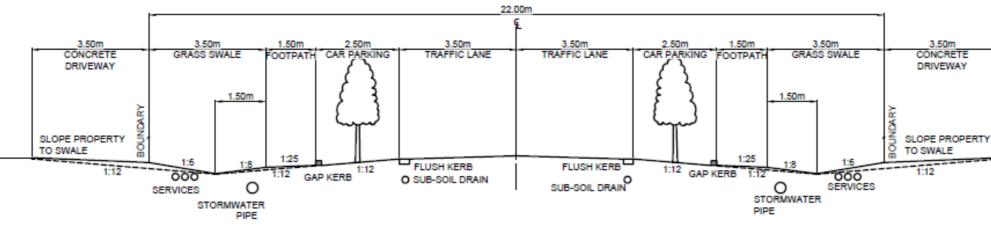
CROSS SECTION THROUGH COLLECTOR ROAD 25.5m (vpd>1500) SCALE 1:50 TE KAUWHATA STRUCTURE PLAN

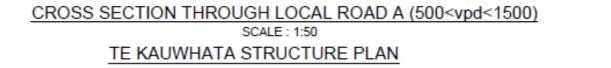
SCALE 1:50

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

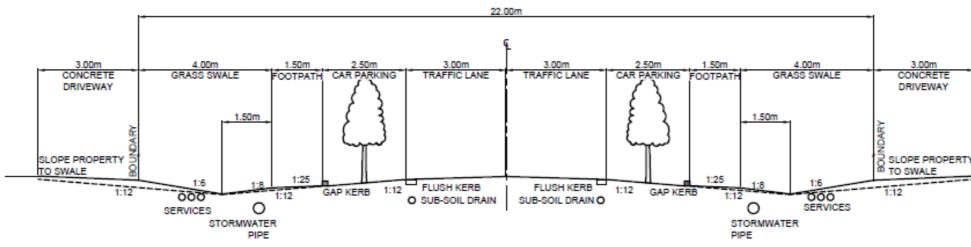


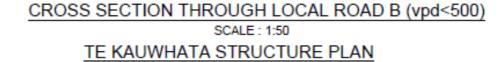
Figure 14.12.5.20 – Te Kauwhata Structure Plan – Road cross sections – Local Roads











SCALE 150

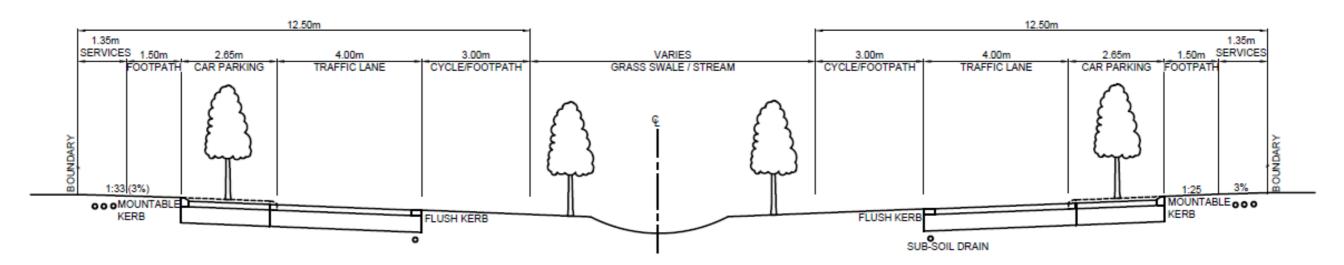
APL rebuttal evidence of John Olliver Attachment A2

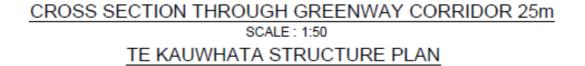


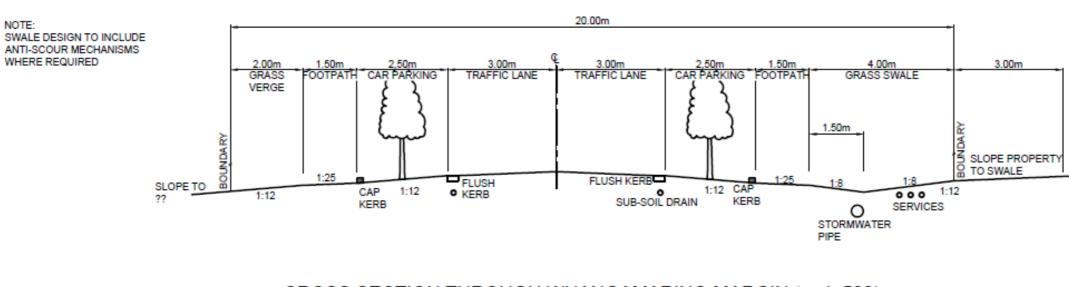
SWALE DESIGN TO INCLUDE ANTI-SCOUR

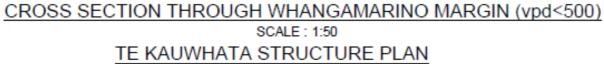












í de la constante de la consta SCALE 1:50

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

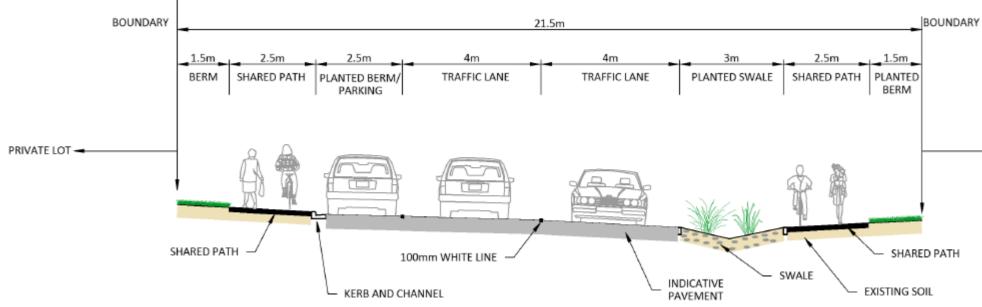
24m BOUNDARY 1.5m 3m 1.5m 2.5m 4m 4m 2.5m 2.5m 2.5m BERM SHARED PATH PLANTED BERM/ TRAFFIC LANE PLANTED SWALE TRAFFIC LANE PLANTED BERM/ SHARED PATH BERM PARKING PARKING PRIVATE LOT EXISTING SOIL SHARED PATH SHARED PATH SWALE KERB AND CHANNEL 100mm WHITE LINE INDICATIVE KERB AND CHANNEL INDICATIVE PAVEMENT PAVEMENT

TYPICAL CROSS SECTION THROUGH COMMERCIAL / INDUSTRIAL ROAD 1

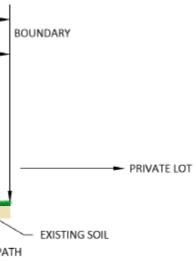
(4,000 < vpd < 6,000)

TYPICAL CROSS SECTION THROUGH COMMERCIAL / INDUSTRIAL ROAD 2

(1,000 < vpd < 4,000)

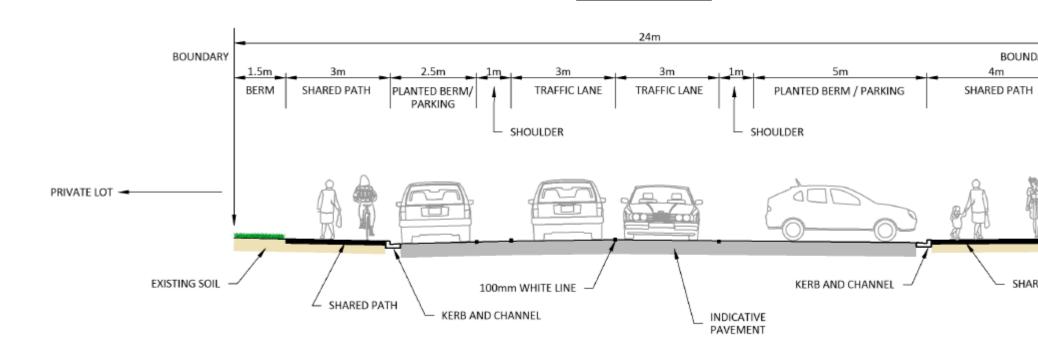


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PRIVATE LOT

TYPICAL CROSS SECTION THROUGH COMMERCIAL / INDUSTRIAL ROAD 3



<u>(500 < vpd < 2,500)</u>

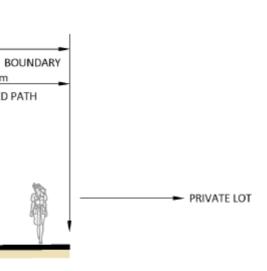
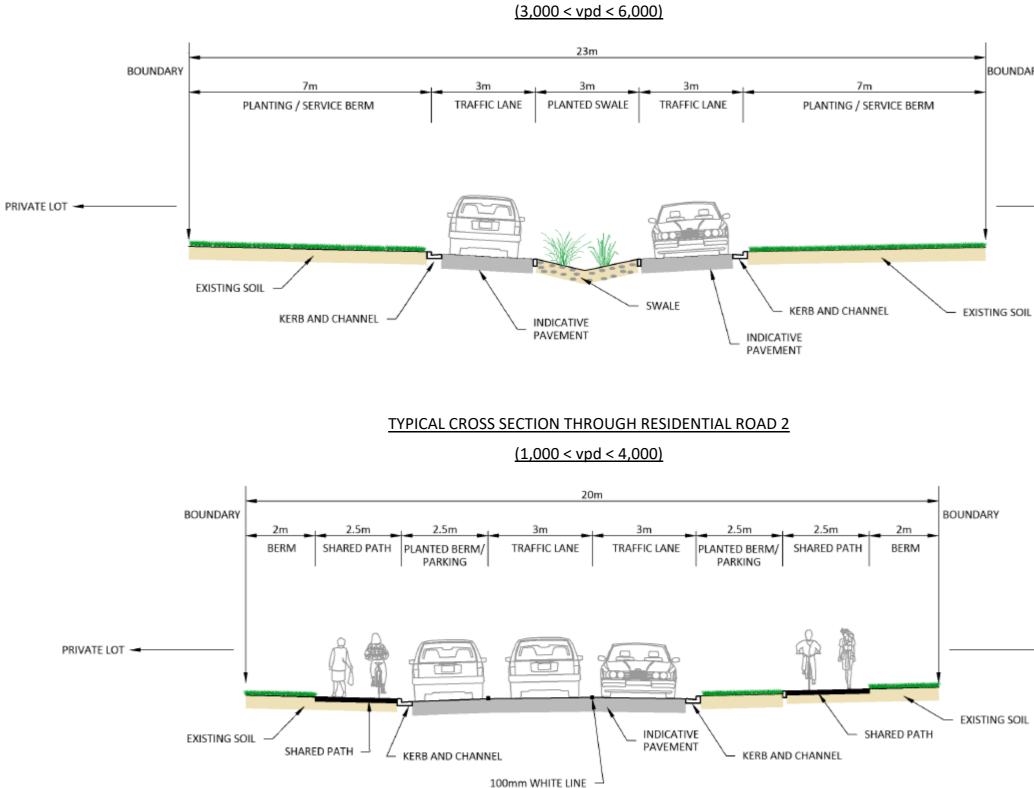




Figure 14.12.5.23 – Ohinewai Structure Plan - Road cross sections – Local Roads (Residential Roads)



TYPICAL CROSS SECTION THROUGH RESIDENTIAL ROAD 1

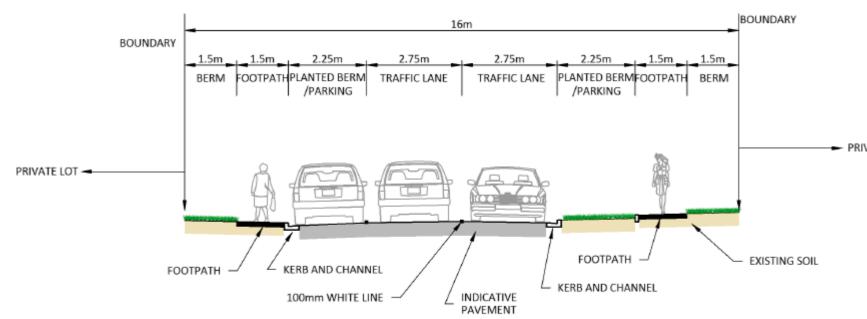
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BOUNDARY

PRIVATE LOT

PRIVATE LOT

<u>(vpd < 1,000)</u>



Working Version 12/05/2020

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- PRIVATE LOT