

Appendix 7

Traffic Design Standards

Table 1: Car Parking Layout

Parking Angle		Stall Width (m)	Aisle Width (m)	Aisle Run (m)	Stall Depth (m)	Over hang (m)	Wheel-stop Depth (m)	Interlock Depth (m)	Stall Depth (m)
90°	Class 1 User	2.4	7.0		5.0	0.8	4.2		
		2.5	6.6		5.0	0.8	4.2		
		2.6	6.2		5.0	0.8	4.2		
	Class 2 User	2.5	8.0		5.0	0.8	4.2		
		2.6	7.0		5.0	0.8	4.2		
		2.7	6.0		5.0	0.8	4.2		
Disabled		3.6	8.0		5.0	0.8	4.2		
60°		2.5	4.5	2.9				1.25	5.55
		2.7	4.0	3.1				1.35	5.65
		2.9	3.5	3.4	5.4	0.8	4.6	1.45	5.75
		3.0	3.5	3.5				1.5	5.8
45°		2.5	3.8	3.5				1.8	5.3
		2.7	3.5	3.8				1.9	5.4
		2.9	3.5	4.2	5	0.7	4.3	2.05	5.55
		3.0	3.5	4.2				2.1	5.6
30°		2.5	3.5	5.0				2.15	4.65
		2.7	3.5	5.4				2.3	4.8
		2.9	3.5	5.8	4.4	0.6	3.8	2.5	5.0
		3.0	3.5	6.0				2.6	5.1
Parallel parking		Stall Length (m) = 6.1		Stall Width (m) = 2.5		Aisle Width (m) = 3.7			

Notes:

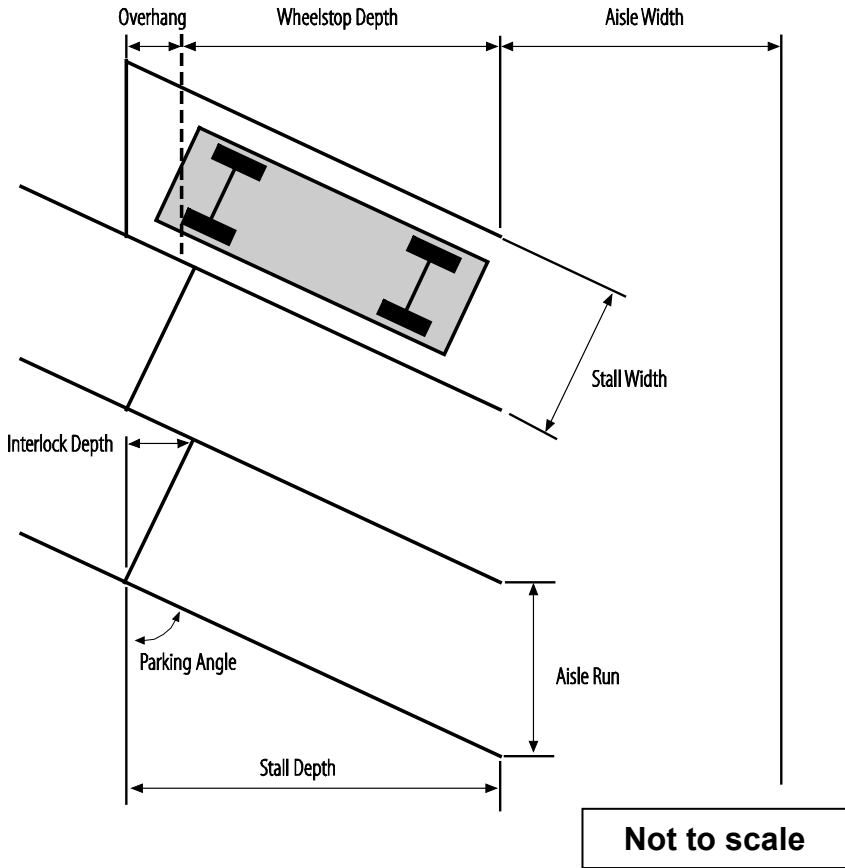
- Two way flow is permitted with 90° parking
- Aisle run distances are approximate only
- Stall widths shall be increased by 0.300m where they abut obstructions such as columns or walls
- Minimum Oneway Aisle width 3.7m
Minimum Twoway Aisle width 5.5m
- Class 1 User: long term parking, including tenant and employee parking but not visitor parking, where regular use gives the motorist a familiarity with the building or parking area

Class 2 User: short to medium term parking, including visitor parking, parking associated with travellers accommodation and general town centre parking, where goods can be expected to be loaded into vehicles.

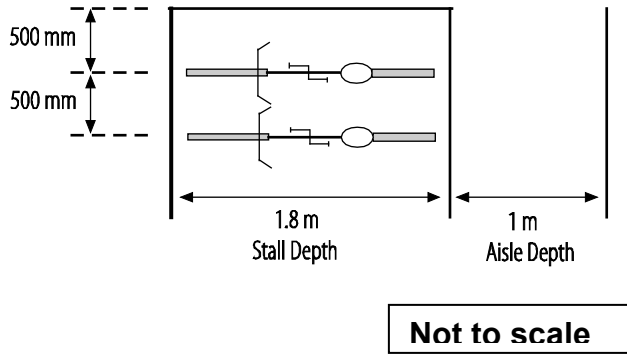
Table 2: Heavy Vehicle Parking Layout

Parking Angle	Vehicle Type	Stall Depth (m)	Aisle Width (m)
90°	Medium Rigid Truck	9.0	16.0
	Large Rigid Truck	12.0	19.5
	Semi – Trailer	18.0	26.0
	B – Train	21.0	26.0
	Midi – Bus	10.3	16.0
	Tour Coach	13.6	24.0
60°	Medium Rigid Truck	9.43	10.5
	Large Rigid Truck	12.03	14.0
	Semi – Trailer	17.22	19.0
	B – Train	19.82	19.0
	Midi – Bus	10.59	10.5
	Tour Coach	13.41	18.0
45°	Medium Rigid Truck	8.64	-
	Large Rigid Truck	10.76	-
	Semi – Trailer	15.0	-
	B – Train	17.12	-
	Midi – Bus	9.58	-
	Tour Coach	11.89	-
30°	Medium Rigid Truck	7.3	6.0
	Large Rigid Truck	8.8	8.0
	Semi – Trailer	11.8	11.0
	B – Train	13.3	11.0
	Midi – Bus	7.97	6.0
	Tour Coach	9.6	10.0

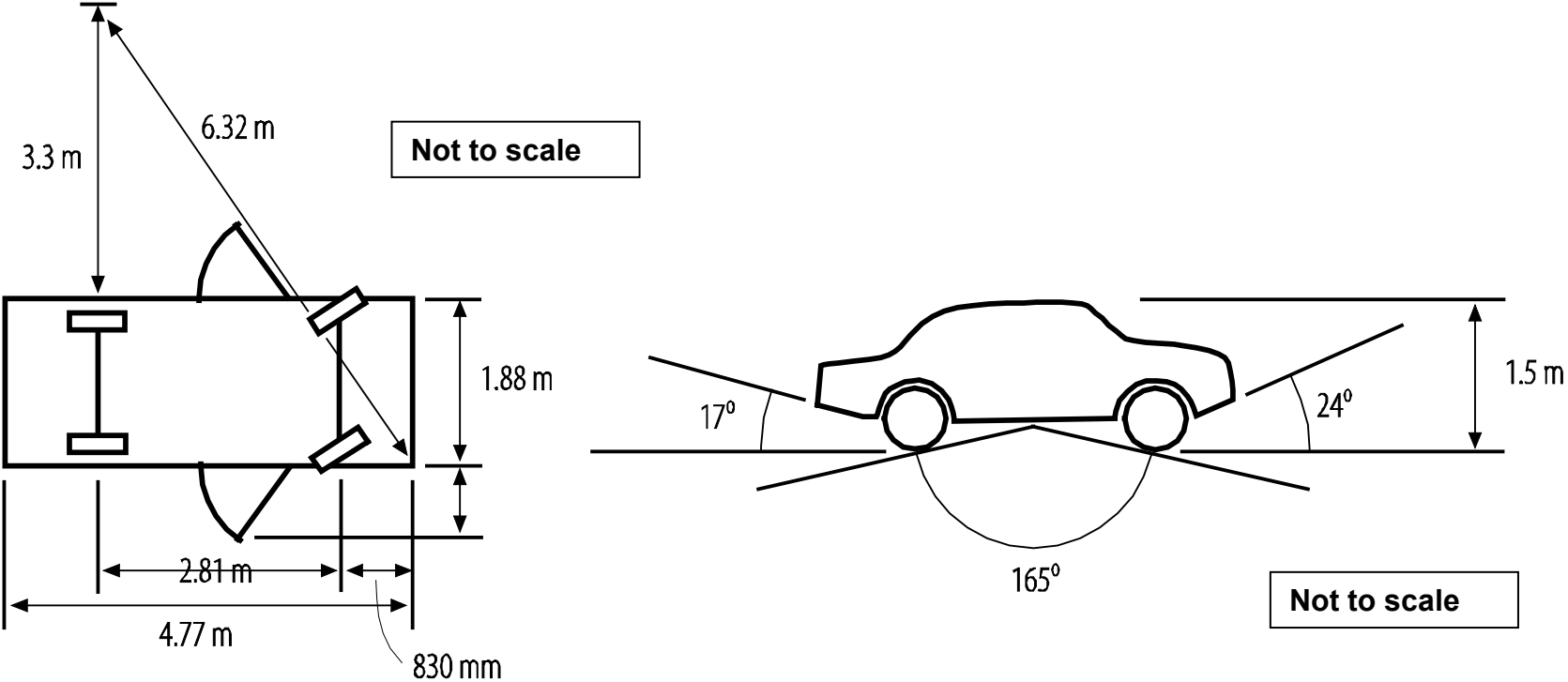
1. Car Space Layouts (refer tables 1 and 2)



2. Bicycle Layouts (refer table 1 and 2)



3. (part 1) Vehicle Swept Path Design (refer tables 1 and 2)



3. (part 2) Vehicle Swept Path Design (refer tables 1 and 2)

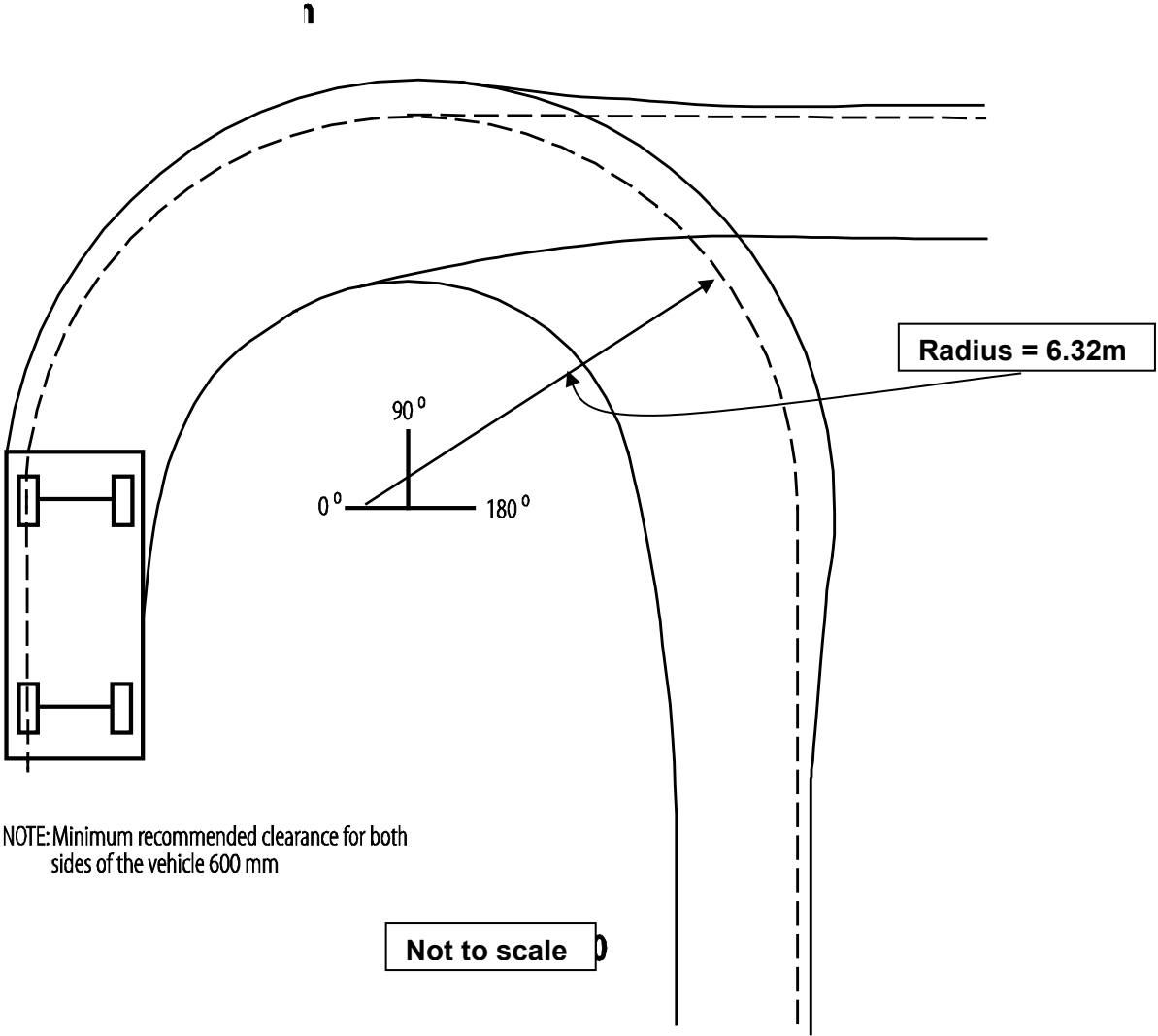
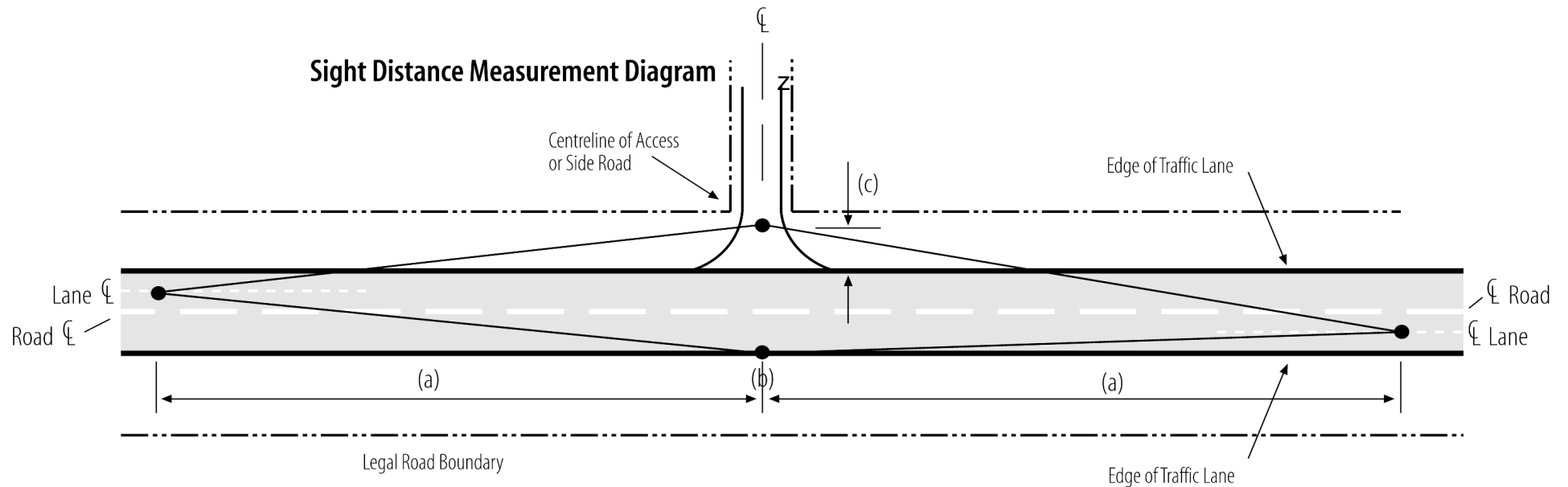


Diagram 1. Sight Distance Measurement Diagram



- | | | |
|-------------------------|-----|---|
| Intersection: | (a) | Sight Distance Table III |
| Property Access: | (a) | Sight Distance Table III |
| | (b) | Edge of State Highway Traffic Lane |
| | (c) | For Access:
3.5m from edge of State Highway Traffic Lane |
| | (d) | For intersection:
5.5m from edge of State Highway Traffic Lane |

Note: Sight Distance shall be measured to and from a height of 1.15 metres above the existing road surface and the proposed surface level of the side road or access.

Diagram is not to scale

Diagram 2. Private Access

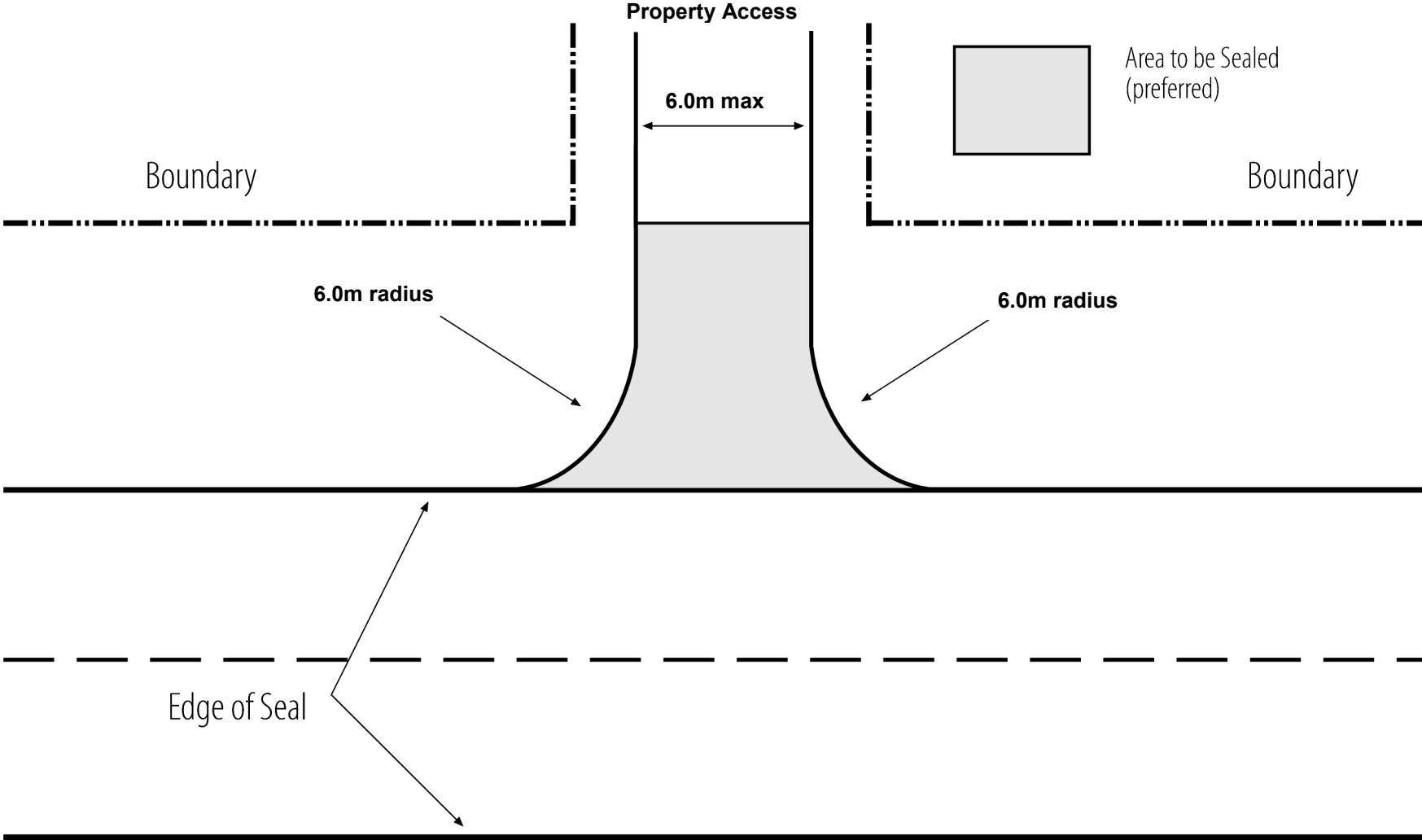


Diagram 3. Private Access (frequent use by heavy vehicles, eg; dairy tankers)

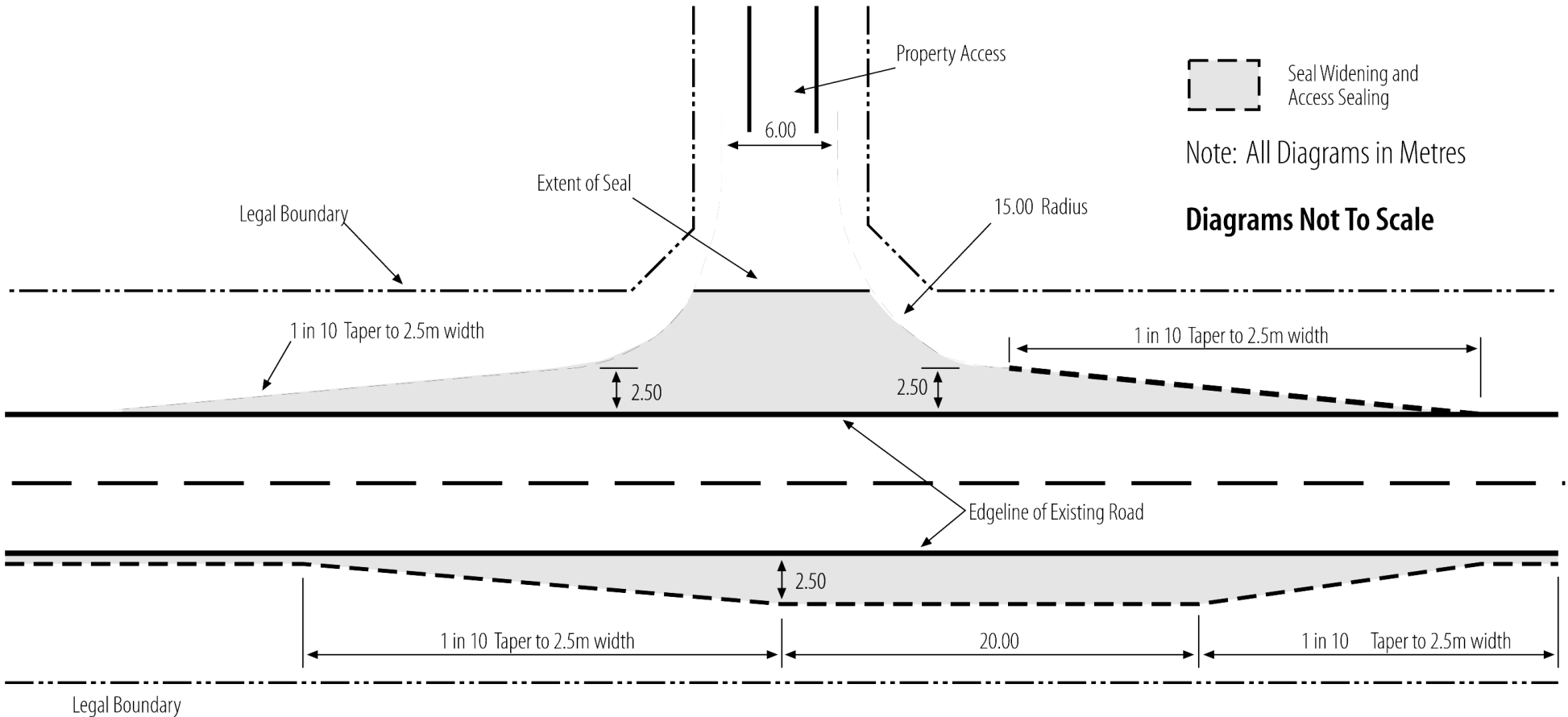
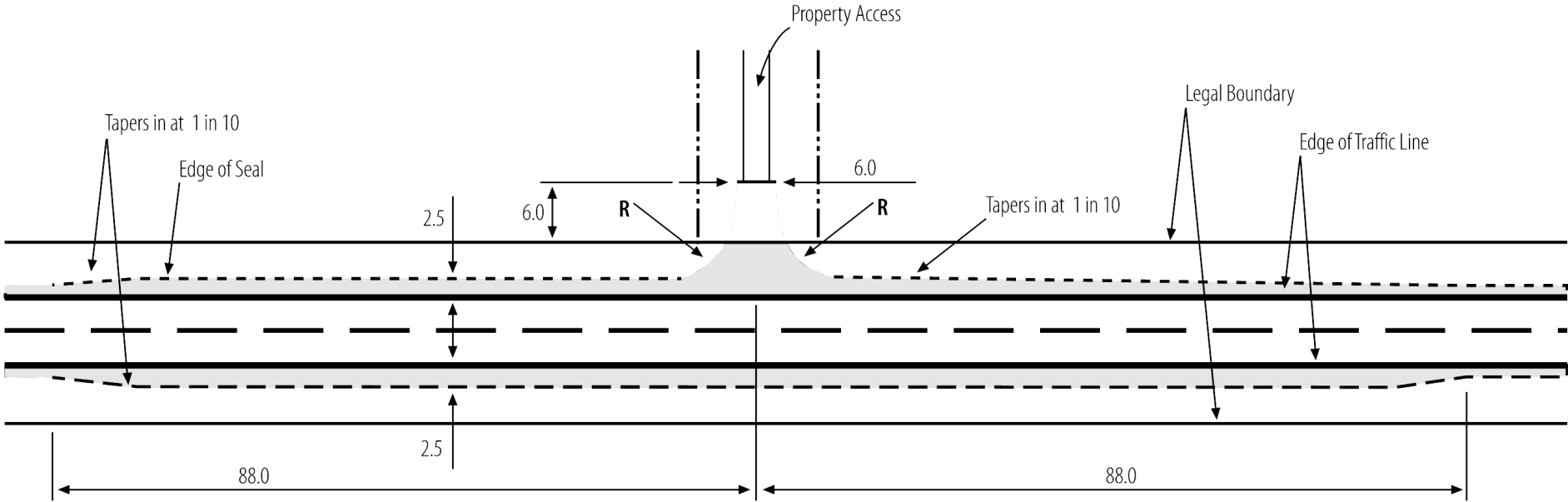


Diagram 4. Localised Road Widening Commercial Access



Note: Radius Differences

R = 9.0 m light vehicles
R = 15.0 m heavy vehicles

 Seal Widening and Access Sealing

Note: All Diagrams in Metres

Diagrams Not To Scale

