# DRAWING SET INDEX

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# Drawing set for Chapter 8 - Traffic Calming



WITH CHEQUER PLATE

1.0

## Drawing set for Chapter 8 - Traffic Calming



## Drawing set for Chapter 8 - Traffic Calming









### SINGLE DIRECTION CHICANE

CHICANES CONSIST OF ISLANDS THAT FORCE CARS TO TRAVEL ON REVERSED CIRCULAR ARCS OF RADIUS CHOSEN FOR A SPECIFIC DESIGN SPEED. ON THE DRIVERS LEFT THERE IS A LEADING ISLAND REQUIRING STEERAGE TO THE RIGHT HAND SIDE OF THE ROAD AND A FOLLOWING PROJECTION REQUIRING STEERAGE TO THE LEFT. THE ISLANDS CAN BE ANY SENSIBLE SHAPE BUT THE CRITICAL PROJECTIONS (P) MUST TOUCH A 2m WIDE CONTROL TRACK OF DESIGN RADIUS.

LOW SPEED DESIGNS ARE SUITABLE FOR SINGLE LANE TWO-WAY TRAFFIC WHILE HIGHER SPEED DESIGNS REQUIRE A CENTRAL ISLAND ALLOWING FOR CONTINUOUS FLOW EACH WAY. THE CRITICAL PROJECTIONS MUST BE MOUNTABLE BY THE DESIGN HEAVY VEHICLE (eg. BUS, 8m TRUCK, FIRE ENGINE).

NO PARKING ZONES ARE REQUIRED TO ALLOW FOR EXITING AT DESIGN SPEED AND WAITING TO ENTER ON THE LEFT. DRIVEWAYS, TREES, POLES, etc. DETERMINE THE POSITIONING OF THE ISLANDS.

ABBREVIATION KEY

- TP = Tangent Point
- NP = No Parking/No Stopping

R = Radius L = Length of Radius between Tangent Points

P = Critical Projection

W = Carriageway Width

DESIGN SPEED	RADIUS(R)
(Km/h)	(m)
25	20
30	30
35	40
40	55
45	75
50	100

L= 
$$\sqrt{[4R (W-2)-(W-2)^2]}$$

#### NOTE:

Appropriate signs, markings, lighting and planting must be provided.

REVISION	BY	DATE			AUCKLAND TRANSPORT	SCALE:
	_		Augldonal 47%		CODE OF PRACTICE	1 : 250
						DRAWING No.
			An Auckland Council Organisation	<u></u>	SINGLE DIRECTION	TC010
					CHICANES DESIGN DEINCIDIES	VERSION 1.0
					DESIGN FRINCIFLES	1.0

An example of a two lane entry threshold treatment with raised speed table and pedestrian refuge

