

26. Appendix

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Appendix A - Glossary of Maori Terms

Hapu - sub-tribe, clan, or section of a large tribe.

Iwi - tribe or people.

Kaitiaki - guardians.

Kaitiakitanga - "... means the exercise of guardianship; and in relation to a resource, includes the ethic of stewardship based on the nature of the resource itself:" (s.2, Resource Management Act 1991)

Maori - "ordinary" people, since about 1820 used to distinguish the native, indigenous, people of this country, the tangata whenua.

Mahinga Kai - food and other resources, and the areas from which they are sourced.

Mana whenua - customary authority exercised by an iwi or hapu over land and other taonga within the tribal rohe.

Ngati Kuri - a sub tribe (hapu) of Te Runanga o Ngai Tahu, are the tangata whenua of Kaikoura and hold customary tribal authority over an area (rohe) which includes all of the Kaikoura District.

Nohoanga - traditional seasonal occupation sites. Ngai Tahu have legal entitlement to exclusively occupy these sites as campsites between mid-August and the end of April, to facilitate customary fishing and the gathering of other natural resources.

Rangatiratanga - see tino rangatiratanga.

Rohe - boundary or district.

Runanga - local representative of Maori groups. A Maori equivalent of local government formed to protect and defend the rangatiratanga, the turangawaewae, and the cultural and social values of their members. (Te Runanga of Kaikoura)

Tangata whenua - people of the land, the people who hold the turangawaewae and the manawhenua in an area, according to tribal and hapu custom.

Taonga - treasured possessions, includes both tangible and intangible treasures, for example, the Maori language.

Te Runanga o Ngai Tahu - the tribal group holding mana whenua in Te Waipounamu (the South Island), in an area from Kahuraki Point on the West Coast and Te Parinui-O-Whiti (Vernon Bluffs) on the east, and all places south "until the land turns white".

Tikanga Maori - Maori traditions, customs, lore or law, the correct Maori way.

Turangawaewae - dwelling-place.

Tino Rangitiratanga - full chieftainship and authority, including the right to permit or deny others, inherent sovereignty.

Urupa - burial places.

Waahi taonga - a treasured place/valued possession.

Waahi tapu - places of sacred and extreme importance.

Whakapapa - genealogy, genealogical relationship.

Whenua - land.

Appendix B - Designated Sites

Schedule of Designations			
Reference	Requiring Authority	Designated Purpose	Legal Description Area
D1	Broadcast Communications Ltd	Broadcasting and Telecommunications Site (Mt Alexander)	Part SGR 106 Blk XII Mt Fyffe SD (Area = 2027m ²)
D2	Canterbury Regional Council	Soil Conservation and River Control (Kowhai River)	Lot 1 DP 2948, Sec 6, Pt Secs 55, 109, 218, Secs 3, 4, 5, 49, 50, 56, 57, 58, 59, 61, 84, 85, River Protection Reserve, Pt bed and old bed of Kowhai River, Kaikoura Suburban RD, Blks VI, IX, XIII, Mt Fyffe SD
D3	Canterbury Regional Council	Soil Conservation and River Control (Waimangarara River)	Pt Sec B Pukaka Maori Block Pt Secs 15, 175, 176, 295, 296, Secs 14, 17, 18, 2 of 29, 30, 31, 32, 297, Kaikoura Suburban RD, Blks IV, VIII, Mt Fyffe SD. Pt Lot 1 DP 9795
D4	Canterbury Regional Council	Soil Conservation and River Control (Floodgate Creek)	Part Lot 1 DP 3842, Lot 1 DP 7571, Pt Secs 52, 2 of 53, 54, Kaikoura Suburban RD, Blk VI Mt Fyffe SD
D5	Canterbury Regional Council	Soil Conservation and River Control (Luke Creek)	Pt Secs 23, 1 and 2 of 73, Pt DP 815, Secs 22, 354 (formerly Secs 17 and 21) Kaikoura Suburban RD, Blk VII Mt Fyffe SD
D6	Canterbury Regional Council	Regional Council Office and Depot (Beach Rd)	Lot 10 DP 3066 Area = 789m ²
D8	Department for Courts	Kaikoura Courthouse (Killarney St)	Sec 488 Town of Kaikoura Area = 980m ²
D9	Kaikoura District Council	Dog Pound and Alternative Sewerage Treatment Station	Lot 1 DP 2989 Blk X Mt Fyffe SD
D10	Kaikoura District Council Storage Depot	Sec 35 Blk XI Mt Fyffe SD	Area = 5328m ²
D11	Kaikoura District Council	Council Offices	Lot 2 DP 5184 Sec 480 Town of Kaikoura Area = 2062m ²
D12	Kaikoura District Council	Memorial Hall	Section 481 Pt 418 Area = 1277m ²
D13	Kaikoura District Council	Swimming Pool	Section 468 Closed RD Blk XI Area = 4249m ²

Schedule of Designations			
Reference	Requiring Authority	Designated Purpose	Legal Description Area
D14	Kaikoura District Council	Kaikoura Airfield	Pt Sec 370 7179 Blk IX Mt Fyffe SD Area = 8.9298 ha
D15	Kaikoura District Council	Kaikoura Cemetery	Pt Sec 264 Blk XI Mt Fyffe SD Area = 4.7568 ha
D16	Kaikoura District Council	Clarence Cemetery	All DP 843 Blk XI Puhī Puhī SD
D17	Kaikoura District Council	Kaikoura District Landfill / Resource Recovery Centre	SO 7076 Area = 3.7035 ha
D18	Kaikoura District Council	Kaikoura Town Centre Carpark	Sec 353 Kaikoura SBU Blk X Mt Fyffe SD Area = 3294m ²
D19	Kaikoura District Council	Oxidation Ponds	Lot 1 DP 5735 Blk VIII Mt Fyffe SD Area = 7.8665 ha
D20	Kaikoura District Council	Chlorine Shed	Brunnels Road Road Reserve
D21	Kaikoura District Council	Takahanga Marae	Sec 473 TWN OF KAIKOURA Takahanga Marae, Maori Reservation Gaz 192 p504
D22	Meteorological Service of New Zealand Ltd	Kaikoura Automatic Weather Station (Maui Street)	Pt Lot 1 DP 725 Blk XI Mt Fyffe SD Area = 1.1835 ha
D23	Ministry of Education	Secondary School (Kaikoura High School)	Pt Sec 31 Blk X Mt Fyffe SD Area = 6.07 ha
D25	Ministry of Education	Primary School and Residence (Hapuku)	Pt 2 Sec 188 Kaikoura Suburban RD Area = 2.0234 ha
D26	Ministry of Education	Primary School (Kaikoura)	Sec 1 of 4, 1 of 8, 3, 5-7 and 9, Pt Sec 10-12, 14-19, Pt Lot 1, 3 DP 1258, Pt DP 898, Pt DP 256, Town of Kaikoura Area = 2.008 ha
D27	Ministry of Education	Primary School and Residence (Kaikoura Suburban)	Sec 3 of 97 Kaikoura Suburban RD Area = 2.0234 ha
D28	Ministry of Education	Primary School (Lynton Downs)	Sec 3 Blk IV Greenburn SD Area = 2.0234 ha
D29	Ministry of Education	Primary School (Woodbank)	Sec 6 Blk XI Puhī Puhī SD Area = 4462m ²
D30	Minister of Police	Police Station (Hastings St)	Lots 1 and 2 DP 5021 Blk X Mt Fyffe SD - Area = 1484m ²
D31	Tranz Rail	Railway Purposes (Main North Railway)	As Shown on Planning Maps

Schedule of Designations			
Reference	Requiring Authority	Designated Purpose	Legal Description Area
D32	Telecom NZ Ltd	Telecommunication, Radiocommunication and Ancillary Purposes (Kaikoura Telephone Exchange)	Lot 1 DP 6005 Blk X Mt Fyffe SD Area = 2067m ²
D33	Telecom NZ Ltd	Purpose as above (Kaikoura Radio (MAR) Station)	Pt Lot 2 DP 725 Blk XI Mt Fyffe SD Area = 8129m ²
D34	Telecom NZ Ltd	Purpose as above (Kaikoura Radio (UHF) Station)	Pt Secs 277 and 278 Blk XI Mt Fyffe SD Area = 6.2443ha
D35	Telecom NZ Ltd	Purpose as above (Puhi Peaks Microwave Station)	Part SGR 105A SO 6460 Blk XII Kaitarau SD Area = 2283m ²
D36	Telecom NZ Ltd	Purpose as above (Rileys Hill Microwave Station)	Pt Lot 1 DP 1047 SO 6453 Blk VI Hundalee SD Area = 3026m ²
D37	Telecom NZ Ltd	Purpose as above (Waipapa Point Microwave Station)	Pt Mangamaunu 2 Pt No. 1B1 Blk XIV Puhi Puhi SD Area = 5850m ²
D38	Transit New Zealand	State Highway Purposes	State Highway 1: from the Marlborough/ Kaikoura District Council Boundary Tirohanga (RS 90) to the top of Oaro Hill (RS 185). 1 As shown on Planning Maps
D39	Transit New Zealand	State Highway Purposes	State Highway 1: Kaikoura Deviation (Beach Rd to Churchill St). As shown on Planning Maps
D40	Transit New Zealand	State Highway Purposes	State Highway 1: Churchill St Widening. As shown on Planning Maps
D41	Transit New Zealand	State Highway Purposes	State Highway 1: Mill Rd Intersection. As shown on Planning Maps
D42	Trans Power New Zealand Ltd	Electricity Substation	Sec 1 SO 5799 Blk X Mt Fyffe SD
D43	Kaikoura District Council	Water Reservoir (Ludstone Hill)	Lot 1 DP 10227 & Lot 26 DP 3164 - Area = 4918m ²
D44	Kaikoura District Council	Racecourse and Recreation Reserve	Pt Sec 9 Blk X Mt Fyffe SD Area = 39.7127 ha
D45	Kaikoura District Council	Water Reservoir (Maui St)	Lots 1 & 2 DP 1597 Blk XI Mt Fyffe SD -

Schedule of Designations			
Reference	Requiring Authority	Designated Purpose	Legal Description Area
			Area = 2023m2
D46	Kaikoura District Council	Phair's Stormwater Drain	Lot 10 DP 9522 - recreation Reserve - Area = 9340m2
D47	Kaikoura District Council	Kaikoura Alternative Water Supply	Road reserve
D48	Kaikoura District Council	Valve Stations	Road reserve
D49	Kaikoura District Council	Memorial Gardens	Sec 341 SP 1107
D50	Kaikoura District Council	Fernleigh Water Reservoir	Pt Sec 1 DP167 Blk 1 Greenburn SD & Pt Sec 1 DP166 Blk VI Mt Fyffe SD
D51	Kaikoura District Council	Fernleigh Pump Station	Sec 13 Pt Secs 10/12 Lynton Downs Blks III, IV, XII Glenburn SD
D52	Kaikoura District Council	Kincaid Water Reservoir	Sec 5 Blk IV Mt Fyffe SD
D53	Kaikoura District Council	Kincaid Water Intake	Lot 1 DP 10227 & Lot 26 DP 3164
D54	Kaikoura District Council	Kaikoura Town Water Supply Intake and Reservoir	Pt Sec 9 Blk IV Mt Fyffe SD
D55	Kaikoura District Council	East Coast Rural Water Supply Pump Station	River Bed
D56	Kaikoura District Council	Oaro Water Supply Intake	Lot 2 DP 3683 Blk XVIII Hundalee SD
D57	Kaikoura District Council	Oaro Pump and Treatment Station	Part Sec 21 (Pt CU 2034.01)
D58	Kaikoura District Council	Peketa Pump Station	Lot 1 DP 5490
D59	Kaikoura District Council	Stormwater Gully	Sec 1 SO 6949, Pt Sec 416 Town of Kaikoura Scenic Reserve, Sec 466 Town of Kaikoura Local Purpose Reserve (Marine Laboratory)
D60	Transit New Zealand	Beach Road widening	Pt Lot 5 DP 464, Lot 2 DP 5734, Pt Lot 1 DP 10437, Pt Lot 2 DP 10437, Pt Lot 1 DP 3276, Pt Lot 2 DP 3276, Pt Lot 3 DP 3276, Pt Lot 2 DP 2660, Pt Lot 4 DP 1128, Pt Lot 5 DP 602, Pt Lot 3 DP 602, Pt Lot 1 DP 11717, Pt Lot 2 DP 11717, Pt Lot 3 DP 11717, Pt Lot 4 DP 11717, Pt Lot 1 DP 1635, Pt Lot 6 DP 8960, Pt DP 8960 NZ Gaz 1993 pg 280, Pt Lot 7 DP 8960, Pt Lot 1 DP 9757, Pt Opokihi Sec D8A1 SO 4382, Sec 1 SO 7180, Sec 2

Schedule of Designations			
Reference	Requiring Authority	Designated Purpose	Legal Description Area
			SO 7180

Note: 1

The purpose of the "State Highway" designation is to give public notice of the existence of the work and of the nature and extent of activities permitted pursuant to the designation.

The designation provides for Transit New Zealand, either itself or through its agents, to control, manage and improve the state highway network including planning, design, research, construction and maintenance relating to all land within the designation. Such activities may also involve, but not necessarily be limited to realigning the road, altering its physical configuration, culverts, bridges and associated protection works. Where appropriate, resource consents will be applied for.

No other activity shall be permitted on the land designated "State Highway" without the express written approval of the requiring authority responsible for the designation and the appropriate statutory approvals.

Appendix C - Historic Buildings

Schedule of Registered Historic Buildings - Class A				
Class	Name	Address	Legal Description	Ref
A	Fyffe	House62 Avoca St, Kaikoura	Lot 2 DP 826 Town of Kaikoura Blk XI Mt Fyffe SD	H1
A	St Paul's Church (Presbyterian)	Deal St, Kaikoura	Sec 301, Kaikoura Township	H2
A	Stables (by Pres. Church)	Esplanade, Kaikoura	Pt Sec 411, Kaikoura Township	H3
A	Kekerengu Stn Men's Quarters	Kekerengu Stn, Kekerengu	Pt Lot 2 DP 1340 Pt DP 616 Pt Sec 2 & 3 Blks 12-14 18 Wherside	H4
A	Kekerengu Stn Dining room and Bunkhouse	as above	as above	H5
A	Magistrates Court	Killarney Rd, Kaikoura	Sec 488, Kaikoura Township	H6
A	St James' Church (Anglican)	Red Swamp Rd, Kaikoura	Pt Sec 102 Blk VII Mt Fyffe SD	H7
A	Hailes' House	SH 1, Kaikoura	Sec 74 Blk V, Mt Fyffe SD	H8
A	The Elms Homestead	Kaikoura	Sec 8 Pt Sec 9 Elms farm Settlement Blk IX Mt Fyffe SD	H9
A	The Elms Stables	SH. 1	RL 222 Sec 32 SO 4096 Blk IX Mt Fyffe SD	H10
A	The Elms Barn	as above	as above	H11
A	The Elms Old Cookhouse	as above	as above	H12
A	Post Office (former)	Torquay Street Kaikoura	Sec 486 Kaikoura Township	H13
A	Te Whare Putea (former District Nurse)	12 Torquay St Kaikoura	DP 703	H14
A	Baker's House & Bakery Shop	49 Torquay St, Kaikoura	Lot 7 DP 1446 Sec 24	H15

Note: All the above buildings are registered with the Historic Places Trust as Historic Places. Fyffe House is registered as a Category I Historic Place. All other buildings are registered as Category II.

Schedule of Historic Buildings - Class B				
Class	Name	Address	Legal Description	Ref/Grid Reference (Nzms 260 Map O31)
B	White Morph Restaurant (former BNZ including managers residence)	92-94 Esplanade Kaikoura	Pt Sec 15 Pt Sec 17 SO 2802	H17
B	Kaikoura Community Theatre Inc	80 Esplanade Kaikoura	Lot 2 DP 8949	H18
B	Palazzo Interiors Kaikoura	17 West End Kaikoura	Lot 1 DP 3061	H19
B	Kaikoura Insurance and Photocopy Centre	19 West End Kaikoura	as above	H20
B	Maxtons	146 Esplanade Kaikoura	Pt Sec 41	H21
B	Pier Hotel	1 Avoca St Kaikoura	Lot 1 DP 492	H22
B	Old Manse Note 1	104 West End & Deal St Kaikoura	Sec 300	H16
B	Tulloch Mains	Rorrison Rd	Lot 1 DP 536	H23
B	Workers Cottage	Athelney Rd Kaikoura	Sec 6R Rainford Settlement Blk VIII Mt Fyffe SD	H24
B	Fassifern	Postmans Rd Kaikoura	Section 64 Block VI Kaikoura Suburban District	H25
B	Church of St Francis Mangamaunu	Mangamaunu Kaikoura	Pt 2A Blk III Mt Fyffe SD	H26
B	Meeting House Mangamaunu	Mangamaunu Kaikoura	as above	H27
B	Swyncombe Blacksmith's Shop	Inland Rd Kaikoura	Pt Sec 1 DP 167 Blk 1 Greenburn SD Pt Sec 1 DP 166 Blk VI Mt Fyffe SD	H28
B	House	63 Torquay St	Lot 1 DP 3525	H29
B	House	68 Torquay St	Sec 354	H30
B	Presbytery (former)	Mt Fyffe Rd Kaikoura	Lot 2 DP 9943	H31
B	The Old Convent (former)	Mt Fyffe Rd Kaikoura	Lot 1 DP 178 Blk VIII	H32
B	Cob Cookhouse	Quail Flat	Clarence Reserve	H33 449 879
B	Cob Oven	Quail Flat	Clarence Reserve	H34 449 879
B	Saloon Quarters	Quail Flat	Clarence Reserve	H 35 449 879

Schedule of Historic Buildings - Class B				
Class	Name	Address	Legal Description	Ref/Grid Reference (Nzms 260 Map O31)
B	Old Woolshed	Quail Flat	Clarence Reserve	H36 448 879
B	Old Willows Hut		Clarence Reserve	H37 366 821
B	Tentpoles Hut		Clarence Reserve	H38 465 793
B	Black Rock Creek Hut		Clarence Reserve	H39 442 812
B	Horse Flat Hut		Clarence Reserve	H40474 894
B	Bluff Dump Hut		Clarence Reserve	H41 462 809

Note 1: The Old Manse is registered with the Historic Places Trust as a Category II Historic Place.

Appendix D - Protected Trees

Schedule of Protected Trees			
Species	Location	Comments	Ref
Norfolk Pines	Esplanade Kaikoura	59 trees planted from 1900 along the Esplanade Kaikoura	T1
Large Gum	North side of the Hapuku SH 1 bridge, Hapuku Kaikoura	Outstanding eucalyptus	T2
Karaka Tree	South side of the Oaro River Kaikoura	Single distinctive tree	T3
Matai Tree	North bank of the Hapuku River	Large matai tree	T4
Kauri Trees	Clarence Kaikoura		T5
Douglas Fir	St James Church,	Red Swamp Road, Kaikoura	T6
Nikau	49 Torquay St	Large nikau	T7
Nikau	7 Killarney St		T8
Karakas Okarahia Downs, Oaro	NZMS O32: 513 522	Clump of trees near grave	T9
Giant Totara	Grange Rd NZMS O31: 662 803	One of largest in NZ - 3m girth	T10
Nikau	Grange Rd NZMS O31: 662 803	Only one in valley	T11
Black Maire	Swan Ck NZMS P31: 717 767	Largest collection south of Marlborough Sounds	T12
Black Maire	Waimangarara River	NZMS O31: 635 756	T13
Tawa	Hapuku NZMS O31: 688 742	Most southern Tawa	T14
Nikau	Blue Duck Valley Rd NZMS P31: 735 808	Single Nikau	T15
Nikau Clump	Rakautara NZMS P31: 760 818	Good representation of Nikau	T16
Willow Leaved Maire	Ohau Point NZMS P31: 786 8467	trees, very rare	T17
Giant kanuka	NZMS P30: 758 978	Very old giant kanuka	T18
Macrocarpa Trees	Refer to Outline Development Plan 1 shown in Appendix P	Nesting habitat for grey heron	T19

Appendix E - Archaeological Sites, Waahi Tapu and Historic Areas

Schedule of Registered Archaeological Sites			
Name	Address	Legal Description	Ref
Takahanga Pa	Takahanga Tce, Kaikoura	Takahanga Pa Reserve Sec 473 Kaikoura Township Blk XI Mt Fyffe SD	A59

Schedule of Registered Waahi Tapu			
Name	Address	Legal Description	Ref
Takahanga Pa	Takahanga Tce Kaikoura	as given above	A59

Schedule of Registered Historic Areas			
Name	Address	Legal Description	Ref
Fyffe House Historic Area	92-94 Esplanade Kaikoura	Pt Sec 15 Pt Sec 17 SO 2802	H17 and A27, A28, A60, A64, A65, A66, A67, A68, A69, A70, A71, A72, A73, A75, A76, A77

NOTE:The grid references listed below for the Schedule of Recorded Archaeological Sites, also shown on the planning maps, do not indicate the exact location of an archaeological site. The grid references indicate that an archaeological site exists in the general vicinity. More precise information as to the location of sites can be obtained by contacting the Canterbury File-keeper for the NZ Archaeological Association.

Schedule of Recorded Archaeological Sites				
Site No.	NZMSMap	Easting	Northing	Site Description (FHA = Fyffe Historic Area)
A1	O31/14	4900	65400	Rock Shelter - Tukutukuwi
A2	O31/3	44700	65200	Rock Shelter - Tukutukuwi
A3	O31/4	63900	76300	Canoe Hulls - Waimangarara Vly (one now in Kaikoura Museum)
A4	O31/6	66625	65533	Pa - Nga Niho Pa
A5	O31/7	68548	64727	Pa - Stepped Pa

Schedule of Recorded Archaeological Sites				
A6	O31/8	68638	64700	Midden - Below stepped Pa
A7	O31/9	68800	64600	Pits/Middens - NW of Lighthouse Pa
A8	O31/10	68900	64600	Pa – Lighthouse Pa
A9	O31/11	67900	64000	Pa – Terrace edge near East Head
A10	O31/12	67500	63800	Cave – Whalers Bay
A11	O31/13	67100	63700	Cave – Atia Point
A12	O31/14	60600	65000	Pa – Elms Pa
A13	O31/15	58300	63400	Pa – Peketa
A14	O31/16	58100	62900	Terraces – South of Peketa
A15	O31/17	57800	62100	Pa – Ohokoiti, Parititahi
A16	O31/18	55700	61100	Pits – Opposite Riley's Lookout
A17	O31/19	55500	60900	Oven, midden – Rosy Morn Bay
A18	O31/20	55300	61100	Pits – South of Rosy Morn
A19	O31/21	54400	60200	Pa – Kiekie
A20	O31/22	62600	65900	Midden – Kaikoura Golf Course
A21	O31/23	66100	65500	Pa – “Pa 39”
A22	O31/24	66400	64800	Pa – South Bay
A23	O31/25	66479	64700	Pa – Above South Bay
A24	O31/26	66600	64600	Pa – South Bay, above Recreation Reserve
A25	O31/27	66300	64600	Occupation – All of South Bay
A26	O31/28	67100	63800	Pa – Atia Point
A27	O31/29	68009	65064	Pits, terraces, midden – Waiopuka, FHA
A28	O31/30	68100	65400	Moa hunter site – Fyffes, FHA
A29	O31/31	67600	65500	Pa – Research Hill
A30	O31/32	58100	63400	Pa – Peketa
A31	O31/33	58100	63200	Pit – Peketa
A32	O31/34	66400	65200	Pa – “Pa 50”
A33	O31/35	66300	66000	Pa - Kaikoura
A34	O31/37	68018	63941	Midden – Peninsula
A35	O31/38	60300	64800	Midden – The

Schedule of Recorded Archaeological Sites				
				Elms
A36	O31/40	57900	64700	Pits – Seddons Ridge
A37	O31/41	57800	64800	Pits – Seddons Ridge
A38	O31/42	67000	72500	Oven, artefacts – not confirmed
A39	O31/43	68300	74000	Pit – not confirmed
A40	O31/44	69751	74552	Oven - Hapuku - not confirmed
A41	O31/45	67400	73800	Adze Finds - not confirmed
A42	O31/46	67900	73400	Ovens - not confirmed
A43	O31/47	66500	77300	Ovens
A44	O31/48	66100	77900	Ovens, artefacts
A45	O31/49	67200	72900	Ovens, artefacts - not confirmed
A46	O31/50	61400	66900	Ovens - not confirmed
A47	O31/51	68100	64900	Pits - Peninsula
A48	O31/52	58200	63300	Pits - Peketa
A49	O31/53	68320	64826	Midden - sheep yards
A50	O31/54	63500	65800	Ovens - Opposite Ludley
A51	O31/55	68600	64200	Midden - Spaniards bay
A52	O31/56	56200	61200	Cave - North of Riley's Lookout
A53	O31/57	66954	64297	Midden - Mudstone Bay
A54	O31/58	66500	71000	Ovens - Middle Ck Bridge
A55	O31/59	66500	70900	Ovens - Middle Ck Bridge
A56	O31/60	63500	75100	Pa, pits, terraces - Waimangarara
A57	O31/61	58800	64500	Ovens - Peketa area
A58	O31/62	68000	65000	Pits - same as O31/29
A59	O31/63	66100	66600	Takahanga Pa
A60	O31/64	68015	65122	Waiopuka Woolshed, FHA
A61	O31/65	62600	65900	Midden, occupation - same as O31/22
A62	O31/66	57100	64800	Kahutara Homestead
A63	O31/67	66156	64350	Whaling Station -

Schedule of Recorded Archaeological Sites				
				Te Hiku o Te Waeroa
A64	O31/68	68155	65397	Loading Ramp, FHA
A65	O31/69	68278	65403	Sea Wall, FHA
A66	O31/70	68252	65446	Warehouse Fireplace, FHA
A67	O31/71	68230	65400	Hotel Foundations - Pier Hotel, FHA
A68	O31/72	68225	65385	Wharf Shed, FHA
A69	O31/73	68084	65237	Fresh Water Spring, FHA
A70	O31/77	68145	65226	Waiopuka Whaling Station, FHA
A71	O31/78	68133	65308	European Graves, FHA
A72	O31/79	68270	65480	Seawater Bath, FHA
A73	O31/80	68037	65098	Moa Hunter Occupation, FHA
A74	O31/81	68350	64900	Boiling Down Works
A75	O31/82	68190	65050	Historic Fence Line - Armors Beach, FHA
A76	O31/83	68131	65115	Historic Fence Line - Armors Beach, FHA
A77	O31/84	68210	65365	Formed Roadway, FHA
A78	N/A	66156	64428	Mckay's Stool (Te Turu o Make)
A79	O32/2	53300	58600	Mounds - Goose bay
A80	O32/3	53200	58700	Pa - Goose Bay
A81	O32/4	53100	58400	Pa - South of Goose Bay
A82	O32/5	53400	58300	Midden - South of Goose Bay
A83	O32/6	53100	57900	Cave - South of Goose Bay
A84	O32/7	52600	57200	Pa - Omihi
A85	O32/8	52600	56500	Ovens, middens - Omihi
A86	O32/9	53800	59100	Ovens, midden - Whakauae Bay
A87	O32/10	53300	58700	Midden, stone line - Goose bay
A88	O32/11	52700	56800	Midden - Omihi
A89	O32/12	53400	58600	Midden, artefacts - Goose bay

Schedule of Recorded Archaeological Sites				
A90	O32/14	51600	54500	Pits/Terraces - Pa Ngaio, Oaro
A91	O32/15	51100	52900	Occupation - Mikonui
A92a	O32			Haumuri Complex - various sites
A94	O32/18	51700	49600	Pits - Okarahia - not confirmed
A95	O32/23	51600	49500	Midden - Okarahia - not confirmed
A97	O32/26	51600	54900	Ovens - Oaro
A99	O32/28	51800	55700	Pit - Oaro
A100	O32/29	51700	55600	Pit - Oaro
A106	O32/42	53700	59100	Pa - Above Whakauae
A109	O32/45	51300	52400	European Grave - Pukaroro
A110	N/A			European Grave Dairy Farm Rd
A111	N/A			European Grave Swyncombe
A112	N/A			European Grave Waipapa
A113	N/A			European Grave Mt Fyffe Rd
A114	N/A	85496	94337	European Graves Clarence
A115	N/A			European Grave Kowhai Rd
A116	O32	51560	51679	Whaling Station (1843)
A117	P30/1	86644	94537	Pits, terraces, midden - Matariki Pa, Clarence
A118	P30/2	87200	94200	Villages, pits, midden - Clarence Complex
A119	P30/3	85000	93600	Pa - Te Puha Te Kari, Clarence
A120	P30/4	86300	92300	Moa-Hunter Camp - Clarence Mouth
A121	P30/5	86633	95648	Garden, pits - Clarence Complex
A122	P30/6	87000	94400	Garden, pits - Clarence Complex
A123	P30/7	93800	11800	Pa - Kekerengu
A124	P30/8	86200	95600	Possible Pa - Clarence Complex - not confirmed
A125	P30/9	86300	95600	Terraces, pits - Clarence Complex

Schedule of Recorded Archaeological Sites				
A126	P30/10	86062	96605	Pits, wall, terrace - Clarence Complex
A127	P30/11	86026	96792	Gardens, pits, terraces - Clarence Complex
A128	P30/12	84100	91500	Ovens, artefacts - Meriburn
A129	P30/13	82200	93400	Pits, terraces, walls - Clarence Valley
A130	P30/14	00800	19600	Oven, midden, flakes
A131	P30/15	83800	91400	Stone Rows - Meriburn
A132	P30/16	00400	18600	Ovens, flakes
A133	P30/17	00100	18300	Ovens
A134	P30/26	86200	96500	Firestones, midden - Clarence Complex
A135	P30/27	86300	96000	Midden - Clarence Complex
A136	P30/28	86400	95900	Borrow Pit - Clarence Complex
A137	P30/29	87100	94600	Borrow Pit - Clarence Complex
A138	P30/30	86800	95400	Firestones - Clarence Complex
A139	P30/31	85081	93711	Road Bridge - Clarence
A140	P30/32	85200	93500	Accommodation House - Clarence
A141	P30/33	86247	96012	Terraces, pits, walls - Clarence Complex
A142	P30/34	87200	94400	Borrow Pit - Clarence Complex
A143	P31/1	82300	89400	Ovens, midden - Wainui
A144	P31/2	82000	88200	Midden - Waipapa
A145	P31/3	81736	87987	Stone Heap - Waipapa - not confirmed
A146	P31/4	81500	87600	Pa - Mororimu
A147	P31/5	81400	87500	Midden - Okiwi Bay
A148	P31/6	81043	87394	Ovens - Okiwi Bay
A149	P31/8	76500	82600	Pit - Rakautara
A150	P31/9	76400	82300	Pa - Rakautara
A151	P31/10	76406	82120	Caves - Rakautara

Schedule of Recorded Archaeological Sites				
A152	P31/11	75800	82000	Pits - Rakautara (3 sites)
A153	P31/12	76229	81992	Midden - Rakautara
A154	P31/13	74200	80800	Caves
A155	P31/14	73700	80700	Cave - Irongate
A156	P31/15	71700	78600	Pits - Mangamaunu
A157	P31/16	71500	78400	Pa - Mangamaunu
A158	P31/17	71700	77700	Pits, mounds - Mangamaunu
A159	P31/18	71900	77300	Pa - Parikararanga, Mangamaunu
A160	P31/20	71900	77000	Midden - Mangamaunu Corner
A161	P31/21	72300	88500	Occupation Area - Waipapa
A162	P31/22	76900	82900	Cave occupation - Half Moon Bay
A163	P31/23	76900	82800	Cave occupation - Half Moon Bay
A164	P31/24	75300	81400	Terraces - Works Camp
A165	P31/25	76900	82900	Cave occupation - Half Moon Bay
A166	N/A	76673	82246	Whaling Station - Rakautara
A167	P30/24	93800	11400	Railway Station
A168	P30/22	91300	08100	Firestones - Boundary Creek
A169	P30/23	90200	06700	Firestones - Deadman
A170	P30/25	87300	01800	Firestones, artefact - Washdyke
A171	P30/A	86018	97285	Wall, terrace, pits - Clarence Complex
A172	P30/B	86000	96300	Pit, terrace - Clarence Complex
A173	P30/C	86100	96100	Terrace, pit, walls - Clarence Complex
A174	P31/7	81600	87700	Cave - Waipapa
A175	P31/26	76900	82900	Cave occupation - Half Moon Bay
A176	P31/19	71200	80500	Reputed burial cave - Blue Duck Vly
A177	O31/5	66300	66800	Occupation - Takahanga Lower

Schedule of Recorded Archaeological Sites				
A178	O31/75	64500	65900	Firestones - Opposite Cave Tearooms
A179	O31/36	67700	65500	Burials - Opposite Pier Hotel
A180	O31/39	67400	65500	Cave burial - Behind Marine Laboratory
A181	O31/2	43300	63400	Rock shelter, drawings - Tukurukuiwi
A182	O31/76	54700	60400	Whaling station - Rangi-inu-wai
A183	O32/48	54200	59800	Artefacts - Kiekie
A184	O32/36	51700	54400	Midden - Oaro South
A185	O32/49	51200	51600	Whaling station - Amuri Bluff
A187	O32/51	51600	49500	Urupa
A188	O31/85	69085	76540	Pa - Hapuku
A189	O31/86	71246	76247	Mangamaunu urupa
A190	P30/D	86125	95070	Clarence Pa (unconfirmed)
A191	P32/52	49600	53900	Gardens, occupation - Oaro River (unconfirmed)

Appendix F – Landscape, Amenity and Energy Efficiency Guidelines

1. Buildings and Structures

a. Location

- Have regard to surrounding landforms when siting buildings and structures.
- Where practicable, buildings should be located where they complement or enhance the landform.
- Landforms as backdrops to buildings have a unifying effect.
- Avoid skylines, ridgelines, promontories, important views and other prominent positions, particularly as viewed from public places.
- Locate near a change in a landform, such as at the base of a hill or the edge of a fan and avoid central locations on open terrace plains or wide valley floors.
- Make use of existing vegetation as a background. Additional planting should be bold, large and dense enough to relate to the scale of the building.
- Minimise excavation and reduce the need for large foundations by following the landform with the building and/or stepping the building into the slope.
- Align the building with the land, so the length of the roofline runs parallel to the contour of the land.
- Group buildings and structures together. Link small structures with other structures.
- Keep buildings well back from the road, where possible.

b. Design

i. Landscape

- The scale and form of buildings and structures should be complimentary to the surrounding landscape.
- Relate roof shapes to the lie of the land - reflecting the steepness and direction of the landform.
- Give a sense of unity and identity by keeping building proportions and roof type similar on all buildings in an area.
- Simple forms should be used where the landscape setting is not complicated, such as a valley floor or river terrace. Complex forms are more appropriate where the landscape is more complex, such as a complex hillside.
- Aim for low buildings with a width greater than the height, which helps to "anchor" the buildings to the site.
- Keep the height of the walls similar to the pitch of the roof.
- Avoid visible basements or foundations, where possible, keeping the floor closely related to ground level.

ii. Energy Efficiency

- Insulate all wall and roof cavities.

- Use insulating building materials including flooring.
- Consider using photovoltaic panels (solar panels) to generate electricity.
- Design for maximum use of the sun for heating.
- Use heat retaining floor in sun rooms such as conservatories.
- Use low emissivity double or triple glazing.
- Use energy efficient appliances and heating methods.
- Consider nil discharge sewage disposal systems (such as compost toilets and reed beds).
- Consider use of wind for electricity generation in rural areas.
- Convert to “night store” electricity supply if available.
- Lag hot water cylinders and pipes to reduce heat loss.

c. Materials

- Where possible, materials should complement the landscape.

d. Colour

The following colour palettes provide a guide to the colours generally considered to be suitable for the Kaikoura District. These colours are intended to reflect the natural elements of the District, such as the marine environment, limestone outcrops, indigenous vegetation and “earthy” tones. There are also colours not included in the palettes, which may be suitable in certain instances, such as the original colours of historical buildings.

In addition to the following colours, roof colours should be non-reflective and should be only one colour. Colours complimentary to the surrounds may also be used as “accent” colours.

The following colours are the recommended colours for buildings in the Kaikoura District:

a. British Standard Specification 2660

0-012 Venice Blue	3-025 Coral	5-061 Forest Green	9-093 moon Mist
0-013 Regal Blue	3-033 Spanish White		9-094 Mist Grey
	3-034 Raffia	6-068 Holly	9-095 Dawn
2-026 Pancho	3-035 Coral	6-073 Sherwood Green	9-096 Friar Grey
2-027 Sandrift	3-044 Cinnamon	6-074 Deep Fir	9-097 Trout
2-028 Leather			9-098 Gunmetal
2-029 Spice	4-046 Dutch White	7-084 Hippie Blue	9-099 Ash
2-032 Nutmeg	4-048 Grey Olive	7-085 Teal Blue	9-100 Flint
			9-101 Merlin
		8-089 Storm Grey	

b. British Standard 5252 Colour Range

00 A09 Scarpe Flow	08 B15 Solitaire	12 B15 Frost	18 B25 Trout
00 A11 Ship Grey	08 B17 Soft Amber	12 B23 Siam	18 B27 Charade
00 A13 Baltic Sea	08 B19 Bronco	12 B25 Kelp	18 D41 Glacier
	08 C31 Champagne	12 B27 Scrub	18 D43 Calypso
02 A11 Mortar	08 C33 Calico	12 C39 Turtle Green	18 D44 Chathams Blue
			18 D45 Astronaut Blue
06 C33 Brandy	10 A01 Sea Fog	14 C39 Everglade	
06 D44 Hawaiian Tan	10 A03 Grey Nickel	14 D45 Zucchini	22 B17 French Grey
06 D45 Peru Tan	10 A05 Delta	16 D45 Cyprus	22 B19 Sun Pearl
	10 B15 Pearl lustre		
	10 C31 Colonial White		

2. Fences, Power Lines, etc

- Follow the flow of the landform and avoid cutting across contours.
- Where practicable, avoid skylines, ridgelines, promontories, dominant features and cutting across views.
- Where practicable, locate at the edges of landforms and/or adjacent to existing vegetation or landform, where they can be subordinate to the backdrop.
- Fences should reflect any historical character in the area, or the design and materials of any historic buildings in the vicinity.

3. Tracks and Roads

- Absorb into the landscape with careful siting to minimise visual impact.
- Follow natural contour lines to reduce the height of cuttings and fill batters, maintain easier grades and reduce scouring and run-off problems.
- Keep earthworks to a minimum. Where cuts must occur, grade back and round off batters to merge into the adjoining landform.
- Locate adjacent to vegetation, slopes or edges of landforms.
- Avoid crossing steep slopes.
- Avoid crossing open spaces. If there are no edges to follow then use large clumps of trees, for example.
- Blend with existing vegetation, avoiding felling where possible.
- Plan and design track drainage carefully.
- Avoid compaction of excavated material, where possible, to retain soil fertility and enhance revegetation.
- Cross waterbodies carefully, at right angles and narrow points, with simple structures.

4. Tree Planting

a. Location

- Follow and complement natural landform patterns and boundaries.
- Build on and merge into existing vegetation.
- Avoid ridgetops, crests, promontories or where planting will obscure or screen important views.
- Avoid planting steeper slopes or where planting will obscure landscape features.
- Avoid planting immediately adjacent to rivers, streams and wetland. Retain buffer areas along margins and existing riverside vegetation.
- Use existing vegetation or enclosing landforms as screens.
- Locate plantings in natural depressions or with dominant landform backdrop.
- Siting of trees to minimise wilding tree spread.

b. Design

- Avoid straight line edges to plantings.
- Group plantings, rather than plant individual trees. Avoid small disjointed plantings, in dominantly horizontal landscapes. Use plantings to integrate existing scattered plantings or wildings.
- Group woodlot plantings informally, if possible, rather than in strict lines or rows.
- Vegetation which adds to the natural or historical character of an area should be retained and enhanced with similar planting.
- Group planting of several species can be more appropriate than individual plants or groups of one species.
- Ornamental plantings around the edge are not always the answer to beautification. Good overall planting and design following the natural patterns of the land will usually give better looking results.
- Care should be taken when clearing vegetation, that this is done in sympathy with existing vegetation, landforms and contours.
- Selection of tree species and the design of plantations to avoid wilding tree spread.

5. Signs

- The guidelines for buildings and structures also apply to signs.
- Roadside signs should be placed where they do not obstruct sight distances around curves, over rises and at intersections.
- Signs should be located so they have a "backdrop" of either vegetation, landform, or a structure.
- Messages should be short and easily read. Layout should be horizontal, and lettering styles should be simple.

- Signs with horizontal forms are more acceptable in simple landscapes, such as river flats, basin floors. Vertical signs are more appropriate where the landscape is more enclosed such as in a narrow river valley. Avoid tall vertical signs that are higher than surrounding structures, or that do not have a backdrop.
- Materials should be durable. Posts of signs near roads should be "frangible" by providing a weakened plane where they will break if hit by a vehicle.
- Roadside signs should not be reflective.
- Large internally lit signs should be avoided.

The following publications provide additional information for people planning to undertake development in the District:

1. Rural Landscape Guidelines. Series of six leaflets produced by the Land Settlement Board and available from the Department of Conservation.
2. Moore, J, 1991. On the Edge - Management Options for Plantation Edges. Ministry of Forestry.
3. Lucas, DJ, 1987. Woodlots in the Landscape.
4. Transit New Zealand Sign guidelines.
5. Ledgard, NJ and Langer, ER: 1999. Wilding Prevention. Guidelines for minimising the risk of unwanted wilding spread from new plantings of introduced conifers.

Appendix G - Waste Management Protocol

The following protocol applies where specified in the zone rules.

Odour and Public Health

1. All waste shall be stored in a covered or sealed container which is not accessible to dogs, cats or vermin.
2. No food or animal waste shall be stored outside for more than 48 hours unless refrigerated.
3. Animal repellents shall be used as necessary to deter rodents.
4. Waste storage areas shall be disinfected on a regular basis.

Minimisation

1. Recyclable materials shall be separated from non-recyclable materials prior to disposal at the Resource Recovery Centre.
2. All organic waste shall be separated from other waste prior to disposal at the Resource Recovery Centre.

Screening

1. All waste which is stored outside shall be screened from public view.
2. All waste which is stored outside shall be screened from adjacent residential properties.

Waste Management Guidelines – All Zones

The following guidelines may also assist in reducing the amount of waste generated, and may provide economic benefits in the form of cost savings:

Zero Waste

The Kaikoura District Council has adopted a Zero Waste Policy, with the main objective of reducing waste to the landfill. This policy is based on a reduce, reuse, recycle philosophy.

All activities are strongly encouraged to comply with the Council's Zero Waste Policy.

General

1. Practice waste reduction.
2. Re-use materials where possible.
3. Undertake a review of your waste stream to identify the types and quantities of wastes generated.
4. Monitor your waste stream to minimise unnecessary waste and to reduce the cost of over supply and waste disposal.
5. When purchasing, take into account the cost of disposing of additional or unnecessary packaging, as well as the type of packaging.
6. No waste or hazardous substance should be discharged or allowed to leach into any sewerage, stormwater or water systems. Consent may be required from the Canterbury Regional Council for any such discharges.
7. Waste includes unnecessary use of energy (electricity) and fossil fuels.
8. Remember that waste disposal costs your business - reduction is usually cheaper than disposal.

Appendix H - Recession Planes

Definition of Recession Plane

A recession plane is a plane constructed from points on or above an internal boundary, the angle of inclination of which is measured from the horizontal, at right angles to a site boundary and in towards the site.

Refer to the definition of “recession plane” in Section 4 Definitions for features which are permitted to intrude into the recession plane surface.

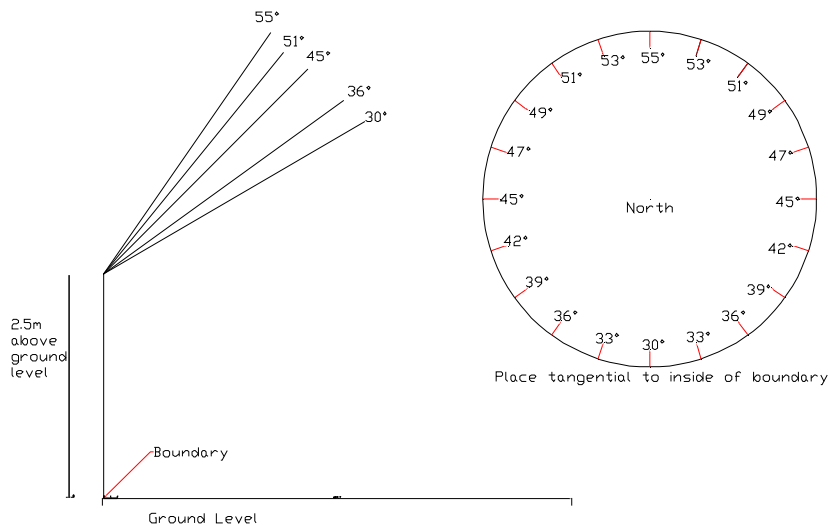
To use the circular diagram below:

1. Place the circle inside the site boundary.
2. Place against the boundary for which the recession angle is required.
3. Align the circle to north as indicated on the site plan.
4. Read off the angle which is closest to perpendicular (right angles) to the boundary.
5. Repeat 1-4 for each of the other boundaries.
6. The recession angles can now be drawn in profile as in the diagram on the left. Draw the angles up to the maximum permitted height for the site. Repeating for all boundaries up to the maximum height will indicate the recession plane “envelope” which buildings should be built within.

Recession Plane Indicator

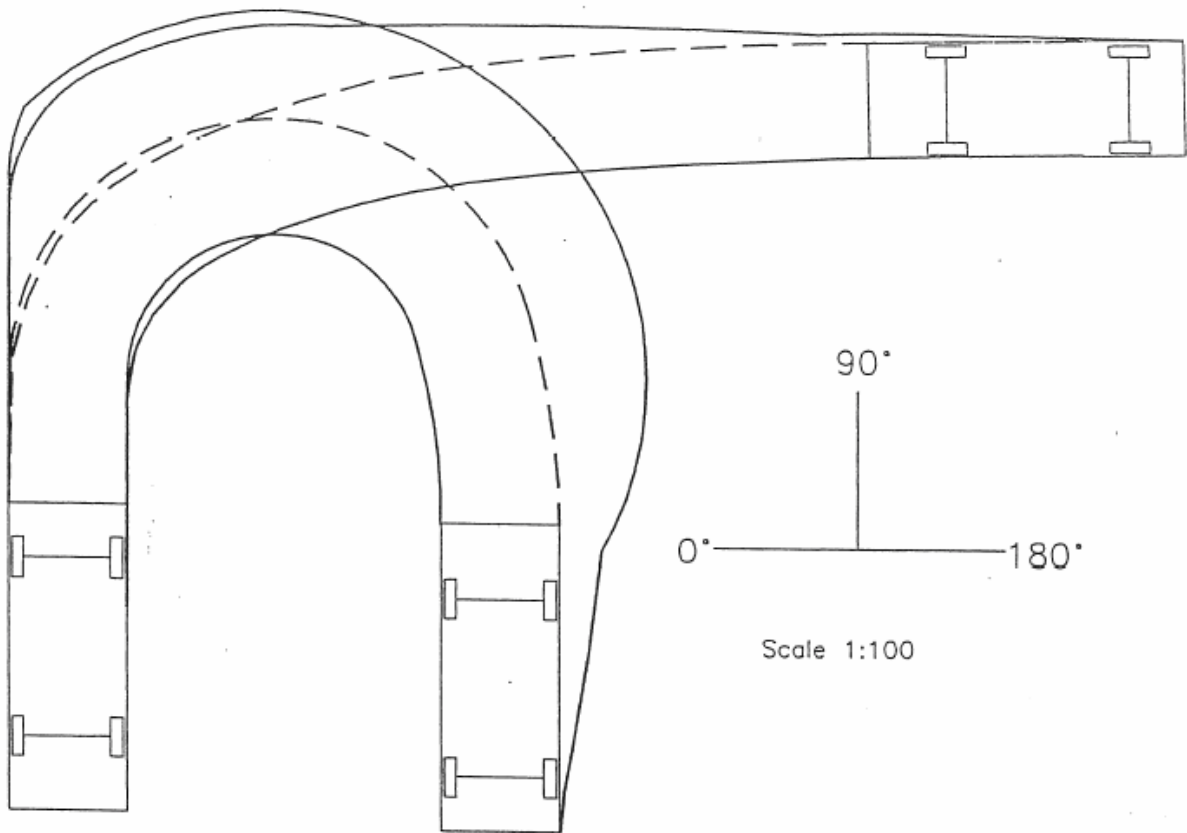
Applicable to buildings within the Residential Zones and Business Zones with a residential site boundary.

Note: not to scale

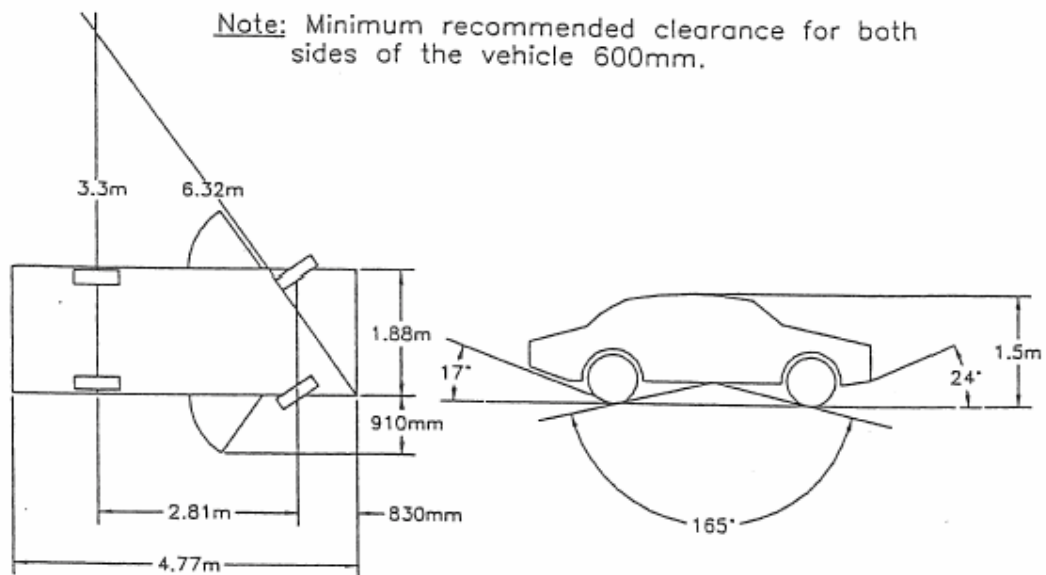


Appendix I - 90 Percentile Vehicle Movements

(refer to following pages)



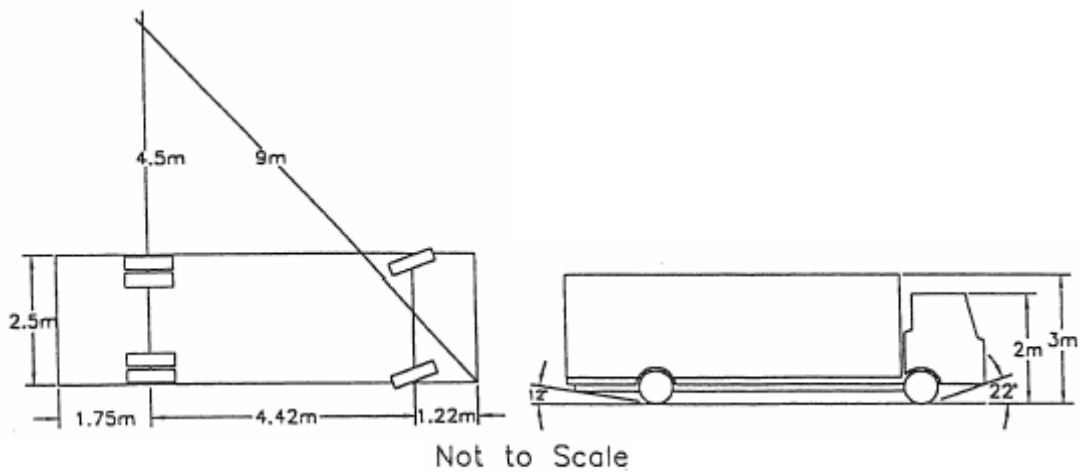
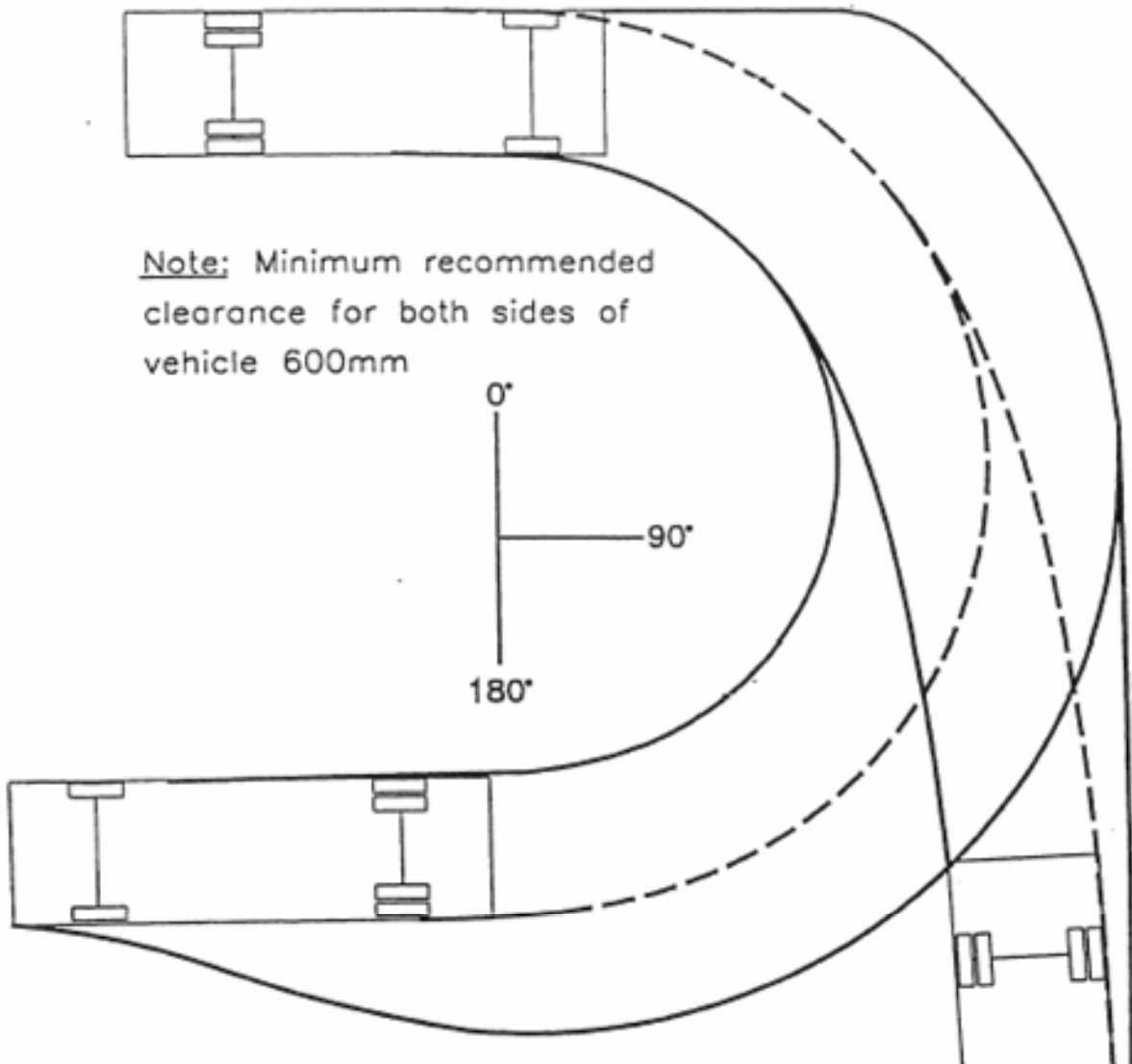
Note: Minimum recommended clearance for both sides of the vehicle 600mm.



Not to Scale

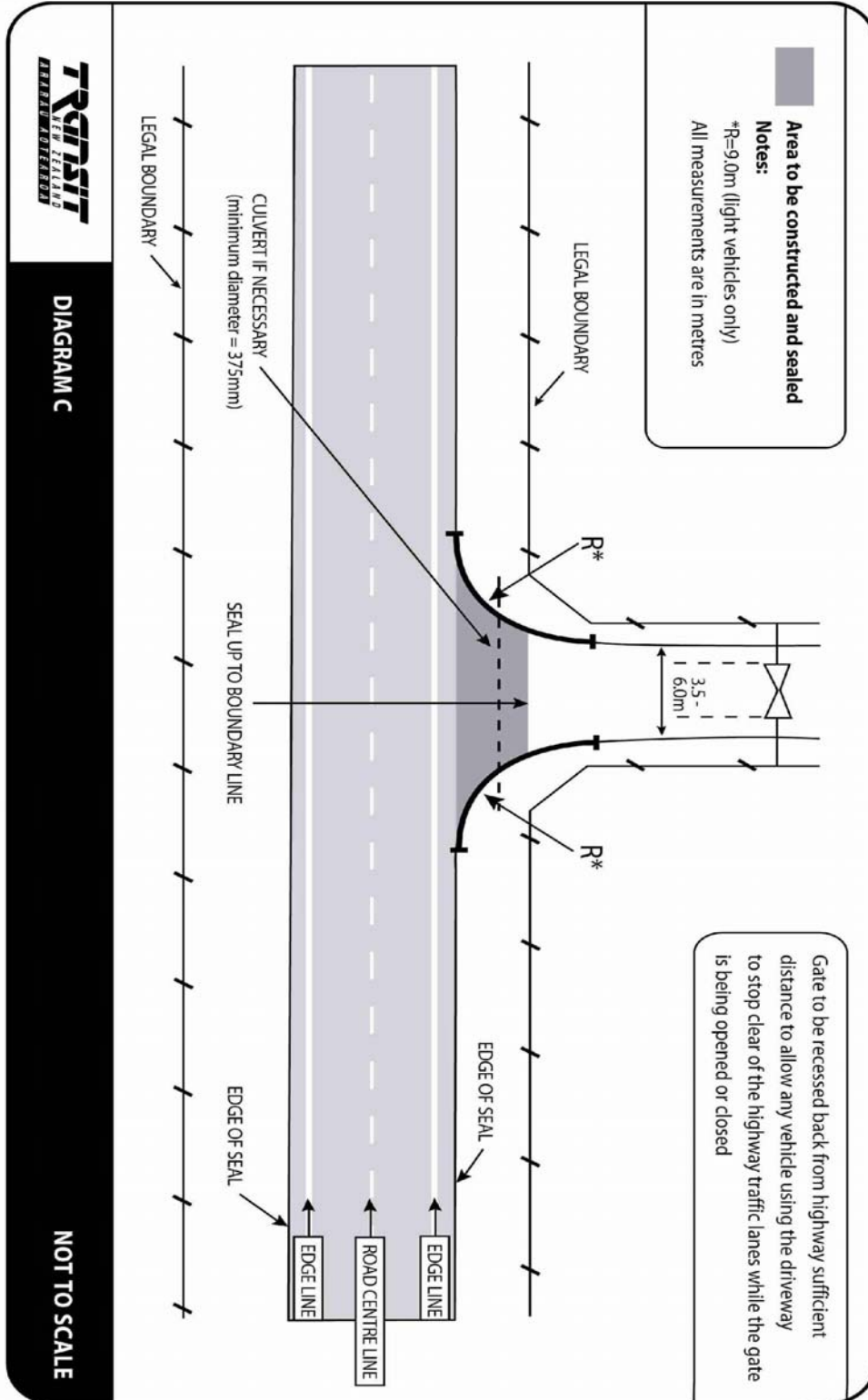
Vehicle swept path design

Design two axled truck Scale
1:100



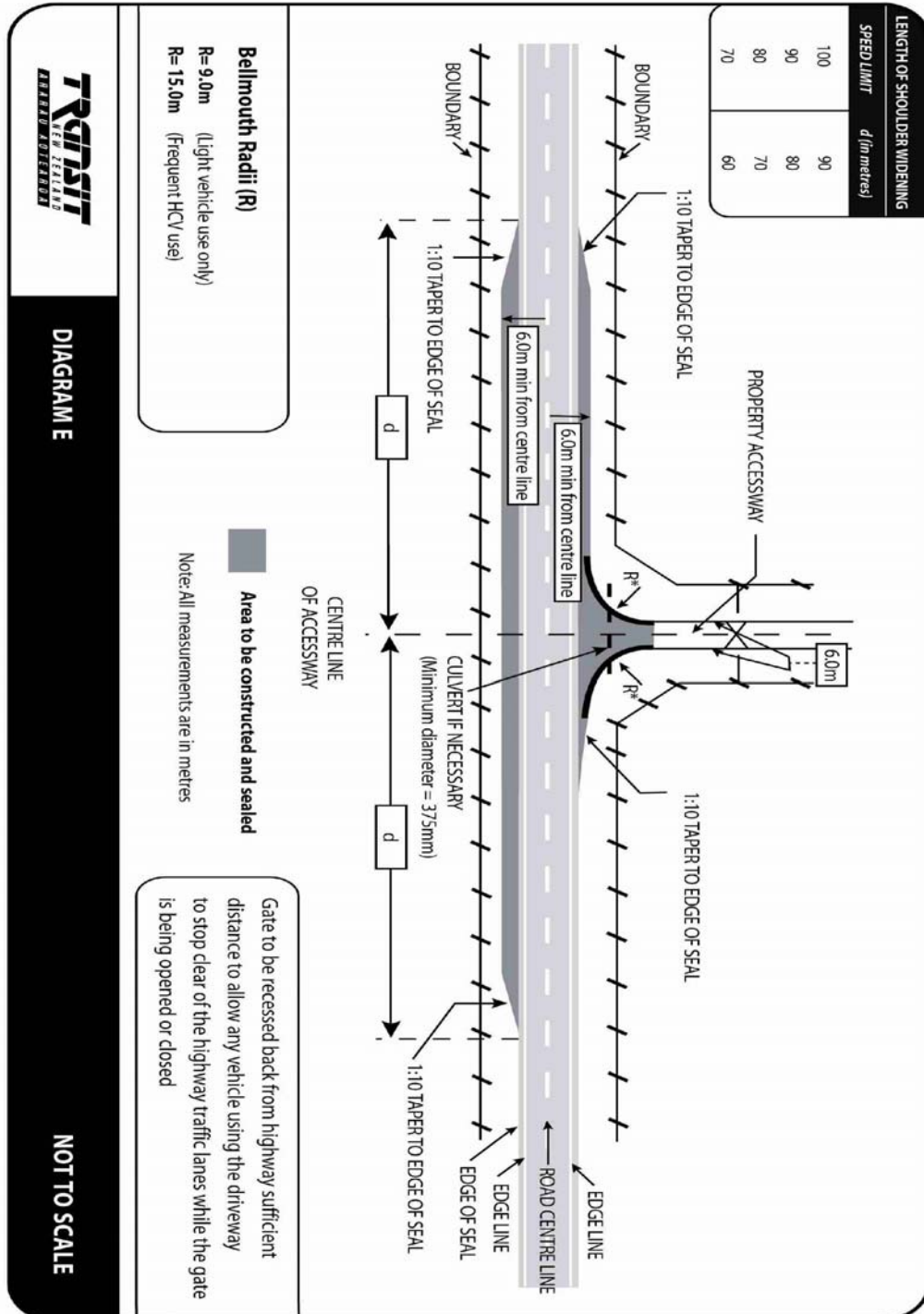
Appendix J - Vehicle Access Details

Low Use Access Standard (1-30 vehicle movements per day) NOT TO SCALE



Moderate Use Access Standard (31 or more vehicle movements per day or where there are daily heavy vehicle movements)

NOT TO SCALE



Appendix K - Sight Distances and Railway Crossing Sightlines

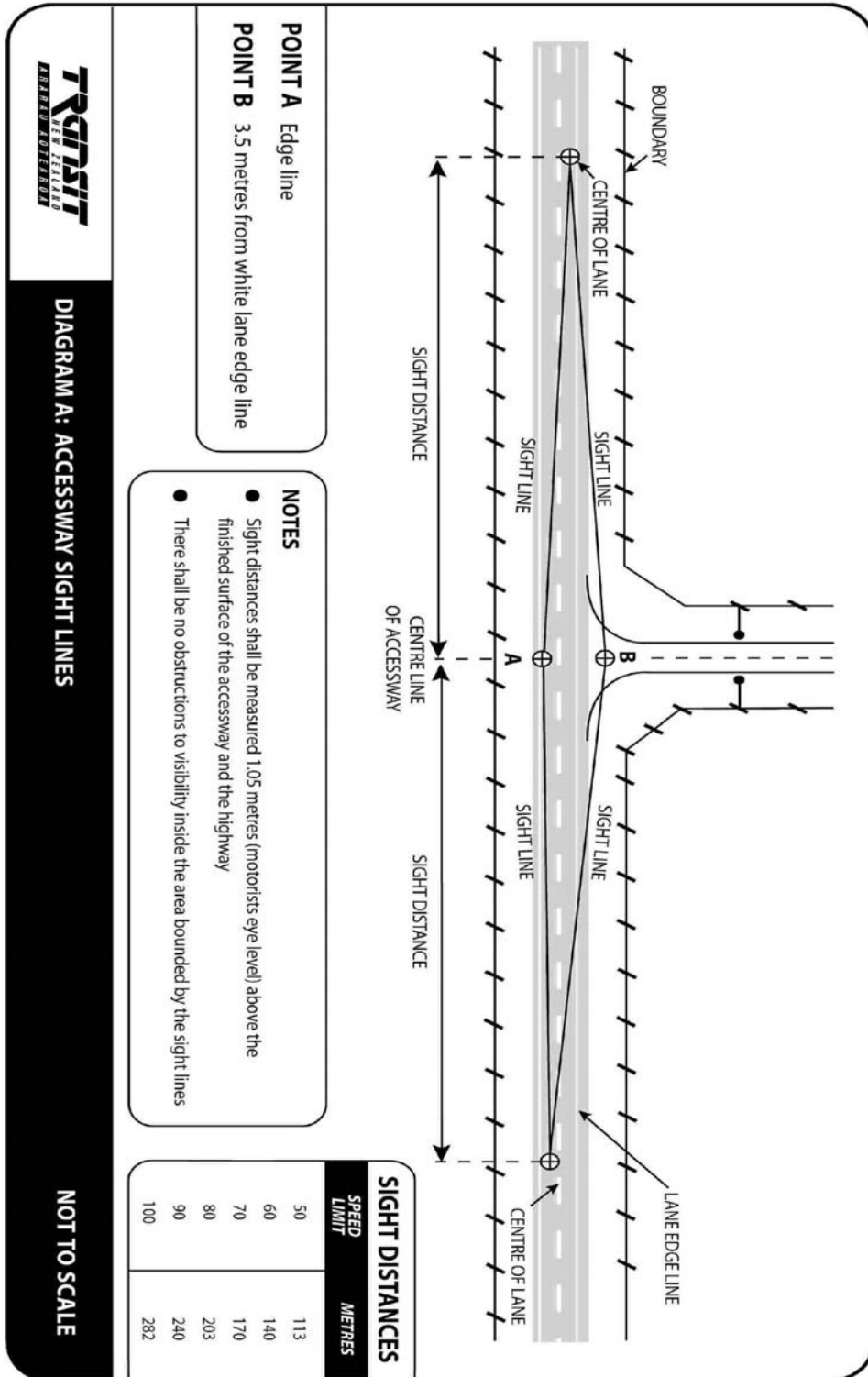


DIAGRAM A: ACCESSWAY SIGHT LINES

Appendix L - Car-parking Design & Turning Circles

Car Parking Areas

Car parking spaces shall comply with Figure 1 and Table 1

Table 1

Car Park Dimensions				
Type of User	Parking Angle	Stall Width (m) ³	Aisle Width (m)	Stall Depth (m)
Casual ²	90°	2.5	8.0	5.0
		2.6	7.0	5.0
		2.7	6.6	5.0
People with Disabilities	90°	3.6	8.0	5.0
All	0°	2.5	3.5 ² 5.5 ³	6.1
<p>NOTE:</p> <ol style="list-style-type: none"> 1. Stall widths shall be increased 300mm where they abut obstructions such as columns or walls. 2. One-way aisle only. 3. Two-way aisle. 				

Gradient:

The gradient of car parking surfaces shall be no more than 1 in 20 in any one direction.

Accessible car parking spaces (see Figure 1):

shall connect to an accessible route, and be as close as practicable to the building entrance or lifts. The spaces shall be on a level surface.

Queuing Spaces

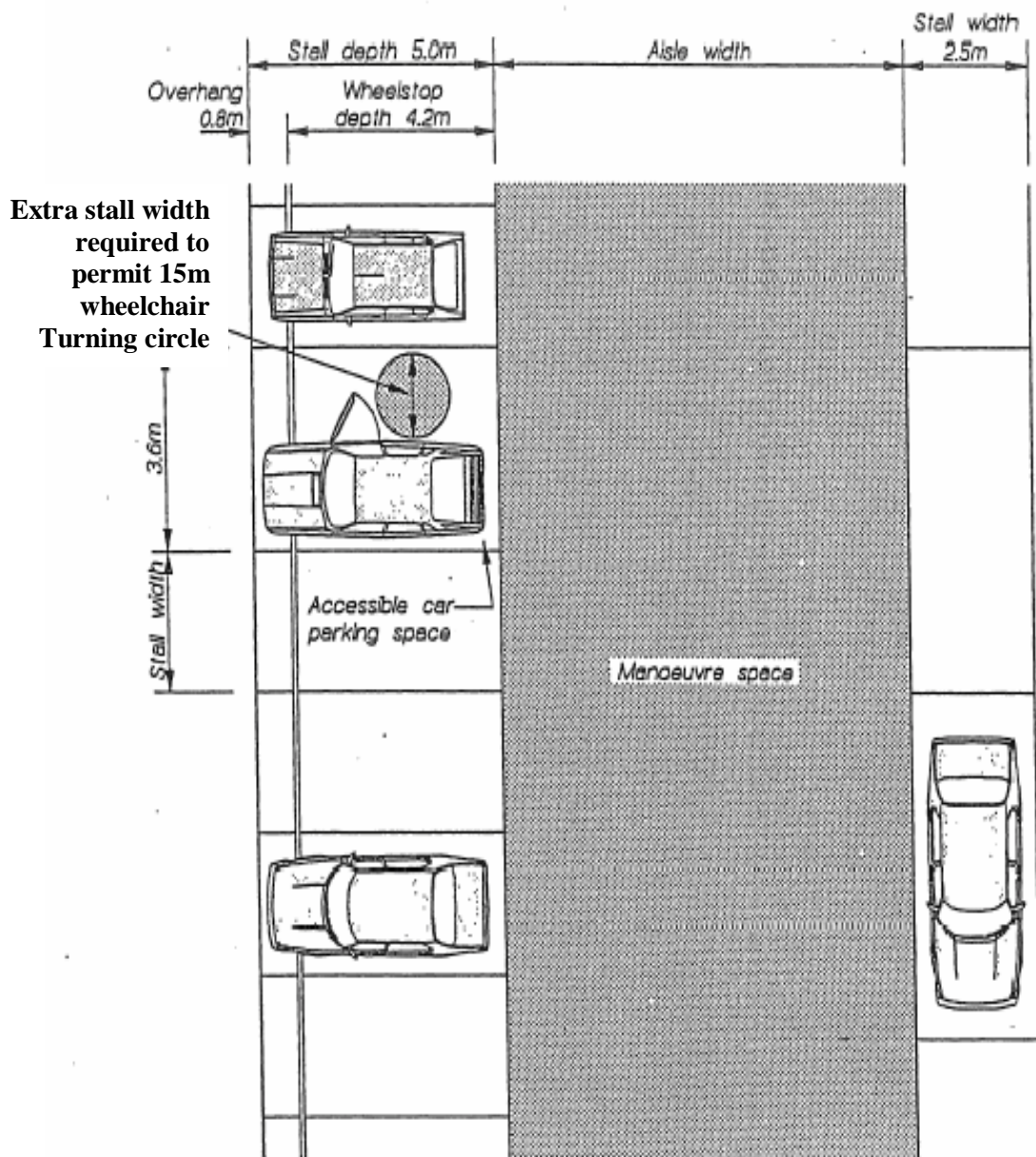
Spaces for queuing of vehicles shall be provided between the street and any vehicle control points. To permit a free flow of traffic into the car parking area without adversely affecting traffic flows in surrounding streets, the queuing space shall be no less than that given in Table 2.

Table 2

Queuing Spaces	
Storage capacity of car park (Number of vehicles)	Length of queuing space (m)
0-20	6.0
21-50	10.5
51-100	15.0
101-150	19.5
151-200	24.0

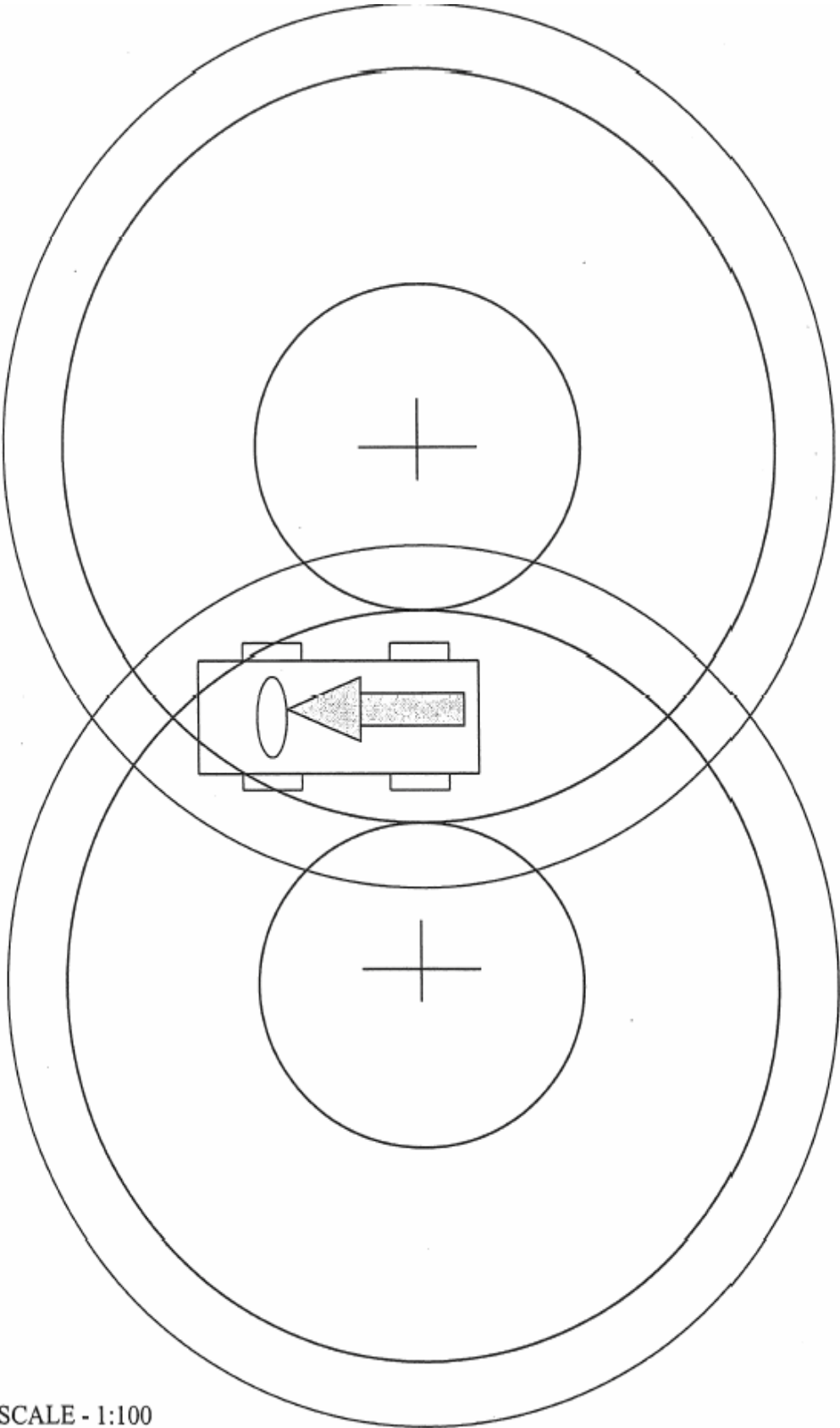
Queuing Spaces
<p>NOTE:</p> <ol style="list-style-type: none"> 1. Values based on a length of 6.0m (99%ile) for the first car and 4.5m (50%ile) for subsequent cars. 2. For storage capacity greater than 200 vehicles, refer to AS 2980.1

Figure 1: Car parking space



Not to scale

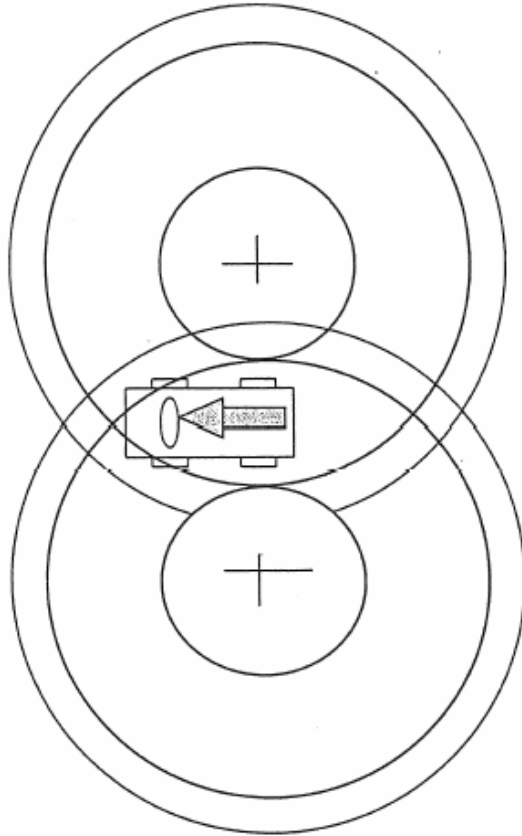
90 PERCENTILE CAR - TURNING CIRCLE



SCALE - 1:100

90 PERCENTILE CAR - TURNING CIRCLE

Scale - 1:200



Appendix M - Road Hierarchy

The roads within the District are classified according to a hierarchical system, based on the function and capacity of each road. The classification of roads determines their management in regard to land use and subdivision. The “higher” the classification, the greater the management emphasis on enhancing the movement of through traffic. The “lower” the classification, the greater the emphasis on access and on pedestrian, parking and servicing needs. The Kaikoura District road classification ranges from Strategic Arterial (highest classification) to local roads (lowest classification). The roading classification system applies as follows.

Strategic Arterial:

These roads predominantly carry through traffic and carry the major traffic movements into and out of the District, usually requiring a road width of 20m. Strategic Arterial roads form part of the network of nationally or regionally important arterial routes. Nationally important roads include all State Highways. The only other strategic route (Inland Road) is managed by the District Council.

The following roads are Strategic Arterial roads:

- State Highway 1 including all of Churchill Street, all of Beach Road to the Mill Road intersection, and Athelney Road
- The Kaikoura Inland Road

Collector Roads:

These roads collect and distribute traffic to and from the arterial road network, and often act as links between two arterials. These roads also act as local main roads supplementing the arterials. Through traffic generally makes up a high proportion of the traffic flow. Road reserve widths are normally between 17m and 20m.

The following roads are Collector Roads:

Bay Paddock Road	Puhi Puhi Road
Beach Road (north of Mill Road and excluding SH1)	Red Swamp Road
Clarence Valley Road	Scarborough Street
Kekerengu Valley Road	Schoolhouse Road
Ludstone Road	Seaward Valley Road
Mill Road	South Bay Parade
Mt Fyffe Road	The Esplanade
Parsons Road	Torquay Street
Postmans Road	West End

Local Roads:

These roads provide direct access to adjoining properties. Many local roads, except cul-de-sacs, also collect and distribute traffic to and from other local roads within the District. Traffic flows are usually low, and it is desirable to minimise through traffic because of the effects on the adjoining environment and amenities, and the limited physical capabilities of such roads. Road reserve width ranges from 12m for short cul-de-sacs to 20m for other local roads.

All roads not classified as Strategic Arterial or Collector Roads are Local Roads.

Unclassified Roads:

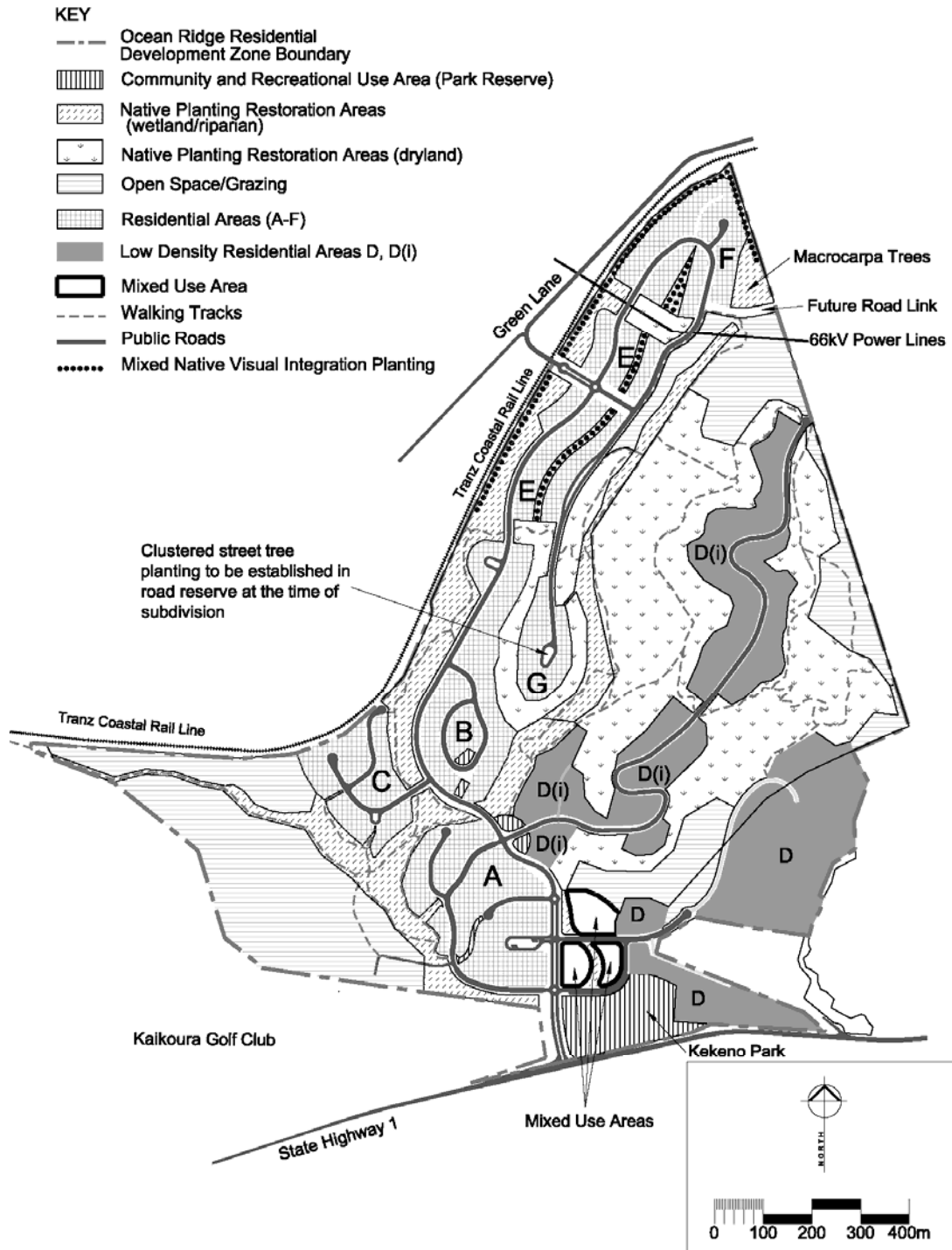
There may be other types of roads that do not come within the overall hierarchy. These include service lanes, minor no-exit roads in rural areas and unformed roads through the District, known as “paper roads”. Paper roads have no active role in the roading network. While all paper roads are deemed to be legal road reserve, many rural paper roads are used for private access or for grazing. For this reason, landowners’ permission should be sought prior to using any paper roads in the District.

Appendix N - Threatened Plants

<i>Carmichaelia muritai</i>	1 Nationally Critical
<i>Myosotis</i> (b) (CHR 386966):Mt Tapuae-o-Uenuku	1 Nationally Critical
<i>Myosotis australis</i> var. <i>lytteltonensis</i> Laing et A.Wall	1 Nationally Critical
<i>Pachycladon</i> aff. <i>fastigiata</i> (CHR 279206; Chalk Range)	1 Nationally Critical
<i>Crassula peduncularis</i>	2 Nationally Endangered
<i>Myosotis colensoi</i> (Kirk) Macbride	2 Nationally Endangered
<i>Hebe cupressoides</i> Hook.f.	3 Nationally Vulnerable
<i>Myosotis pygmaea</i> var. <i>minutiflora</i> G. Simpson et J. S. Thomson	3 Nationally Vulnerable
<i>Olearia hectorii</i> Hook.f.	3 Nationally Vulnerable
<i>Daucus glochidiatus</i>	4 Serious decline
<i>Heliohebe acuta</i> Garn.-Jones	4 Serious decline
<i>Isolepis basilaris</i> Hook.f.	4 Serious decline
<i>Alepis flavida</i>	5 Gradual Decline
<i>Austrofestuca littoralis</i>	5 Gradual Decline
<i>Carmichaelia crassicaulis</i> ssp <i>crassicaulis</i>	5 Gradual Decline
<i>Carmichaelia stevensonii</i>	5 Gradual Decline
<i>Coprosma obconica</i>	5 Gradual Decline
<i>Deschampsia cespitosa</i>	5 Gradual Decline
<i>Demoschoenus spiralis</i>	5 Gradual Decline
<i>Epilobium chionanthum</i>	5 Gradual Decline
<i>Leptinella serrulata</i> D.G.Lloyd et C.J.Webb	5 Gradual Decline
<i>Melicytus</i> aff <i>alpinus</i> (e) CHR, Waipapa	5 Gradual Decline
<i>Montigena novae-zelandiae</i> (Hook.f.) Heenan	5 Gradual Decline
<i>Pachycladon cheesemanii</i>	5 Gradual Decline
<i>Pachycladon enysii</i> (Cheeseman) O. E. Schulz	5 Gradual Decline
<i>Pachycladon fastigiata</i>	5 Gradual Decline
<i>Raoulia monroi</i>	5 Gradual Decline
<i>Raukaua edgerleyi</i> (Hook f.) Seem.	5 Gradual Decline
<i>Teucrium parvifolium</i> Hook.f.	5 Gradual Decline
<i>Tupeia antarctica</i> (G.Forst.) Cham. et Schlecht.	5 Gradual Decline
<i>Urtica linearifolia</i> (Hook.f.) Cockayne	5 Gradual Decline
<i>Anemanthele lessoniana</i>	6 Sparse
<i>Clematis petriei</i>	6 Sparse
<i>Convolvulus fracto-saxosa</i>	6 Sparse
<i>Convolvulus verecundus</i>	6 Sparse
<i>Gentianella astonii</i> ssp <i>arduana</i>	6 Sparse
<i>Gentianella astonii</i> ssp <i>astonii</i>	6 Sparse
<i>Korthalsella salicornioides</i>	6 Sparse
<i>Muehlenbeckia ephedroides</i>	6 Sparse
<i>Oxalis</i> aff. <i>rubens</i> "scree"	6 Sparse
<i>Pseudopanax ferox</i>	6 Sparse
<i>Raoulia "M"</i>	6 Sparse
<i>Raoulia beauverdii</i>	6 Sparse
<i>Carmichaelia astonii</i> G.Simpson	7 Range restricted
<i>Celmisia cockayniana</i> Petrie	7 Range restricted
<i>Craspedia</i> (t) (CHR ; Chalk)	7 Range restricted
<i>Elymus sacandros</i>	7 Range restricted
<i>Epilobium brevipes</i> Hook.f.	7 Range restricted
<i>Epilobium forbesii</i> Allan	7 Range restricted
<i>Epilobium wilsonii</i> Petrie	7 Range restricted
<i>Gingidia enysii</i>	7 Range restricted
<i>Haastia recurva</i> var. <i>wallii</i> Cockayne	7 Range restricted
<i>Hebe ramosissima</i> G.Simpson et J.S.Thomson	7 Range restricted
<i>Hebe rupicola</i>	7 Range restricted
<i>Helichrysum</i> aff. <i>intermedium</i> (CHR ; Chalk Range)	7 Range restricted

<i>Leptinella atrata</i> subsp. <i>luteola</i>	7 Range restricted
<i>Lignocarpa diversifolia</i> (Cheeseman) J. W. Dawson	7 Range restricted
<i>Myosotis arnoldii</i> L.B.Moore	7 Range restricted
<i>Poa acicularifolia</i> subsp. <i>acicularifolia</i>	7 Range restricted
<i>Rachelia glaria</i>	7 Range restricted
<i>Wahlenbergia albomarginata</i> subsp. <i>flexilis</i>	7 Range restricted
<i>Wahlenbergia matthewsii</i> Cockayne	7 Range restricted
<i>Cardamine bilobata</i> Kirk	8 Data deficient
<i>Carex raoulii</i> Boott	8 Data deficient
<i>Colobanthus brevisepalus</i> Kirk	8 Data deficient
<i>Epilobium pictum</i> Petrie	8 Data deficient
<i>Gunnera densiflora</i> Hook.f. (CHR 90309)	8 Data deficient
<i>Lagenifera montana</i>	8 Data deficient
<i>Myosotis laingii</i> Cheeseman	8 Data deficient
<i>Pachystegia minor</i> (Cheeseman) Molloy	8 Data deficient
<i>Stenostachys laevis</i>	8 Data deficient
<i>Vittadinia australis</i>	8 Data deficient
<i>Coprosma virescens</i>	Regionally threatened

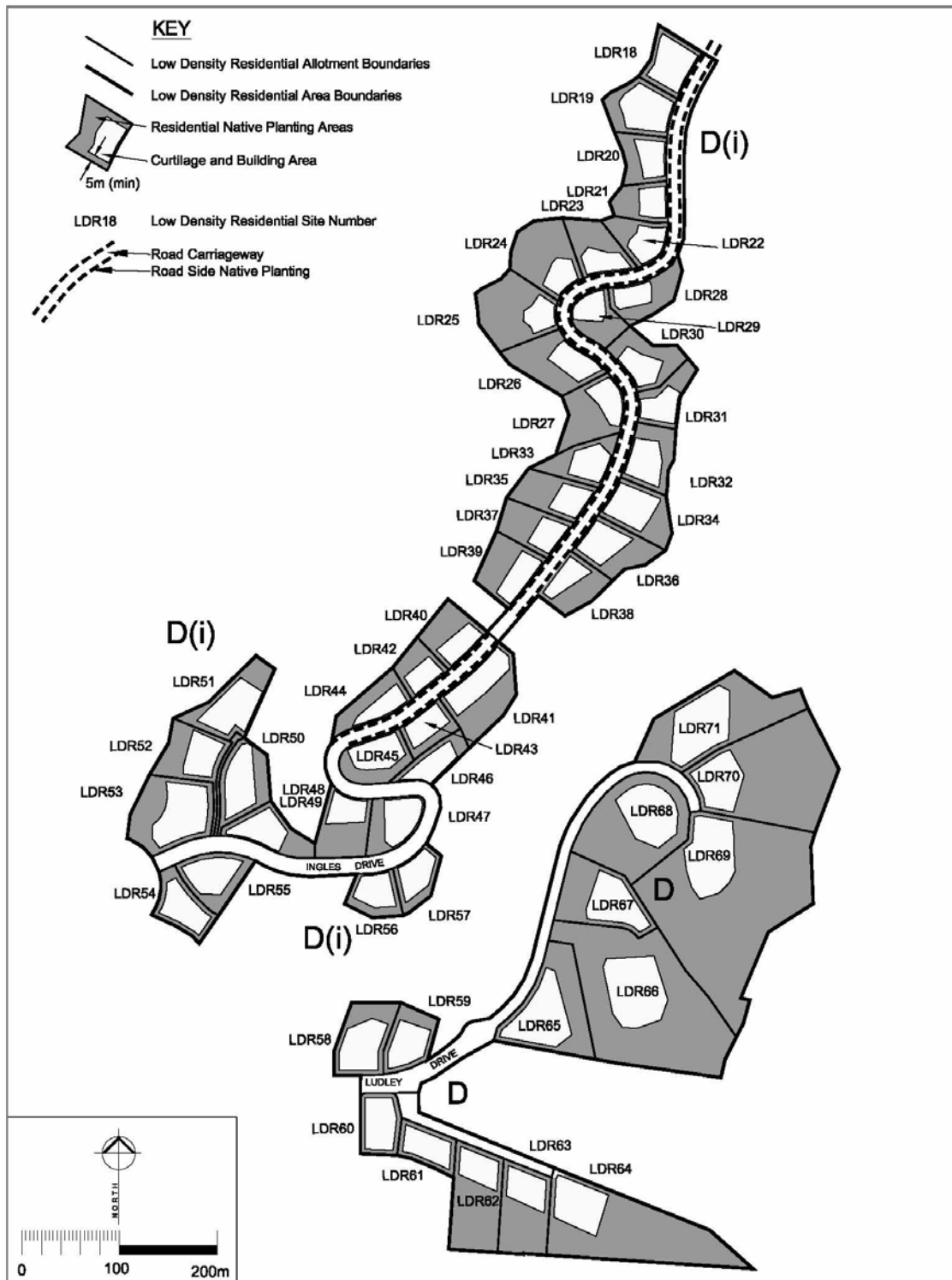
Appendix P: Outline Development Plan 1 – Ocean Ridge Comprehensive Living Zone



OCEAN RIDGE COMPREHENSIVE LIVING ZONE
Outline Development Plan 1

Rev August 09

Appendix P: Outline Development Plan 2 – Ocean Ridge Comprehensive Living Zone



OCEAN RIDGE COMPREHENSIVE LIVING ZONE
Outline Development Plan 2 - Revision 8 December 2009

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Appendix Q: District Wide Noise Provisions and Exemptions

The following provisions and exemptions shall apply in addition to the noise provisions specified elsewhere in the plan. Nothing in this section of the plan, or in any other section, shall affect the obligation of every person undertaking an activity to comply with section 16 of the Resource Management Act 1991 (duty to avoid unreasonable noise)”.

1. Measurement and Assessment of General Environmental Noise

Except where expressly provided elsewhere in this plan, sound shall be measured in accordance with the provisions of NZS 6801: 1999 “Acoustics - Measurement of Sound” and assessed in accordance with the provisions of NZS 6802: 1999 “Acoustics - Assessment of Environmental Noise”, or any subsequent amendments or replacement to those two standards.

2. Exemptions

Noise limits in any part of the plan shall not apply:

- a. In any area to activities of a limited duration associated with normal farming, intensive farming, aquaculture and fishing activities. For the purposes of this exemption, “limited duration” means any activity which is undertaken for: a short period of time in any one day; seasonally; or infrequently. In the case of bird scaring devices or devices to prevent hail damage, landowners shall give notice to occupiers of any land within a 1km radius of the device at least 4 hours prior to the device being fired.
- b. In any zone where the noise source is a warning device used by emergency services.
- c. In any Residential Zone, Living Zone or Settlement Zone, to activities of a normal residential nature including recreational activities, such as sporting events, that do not involve powered motor sport, powered aviation, gunfire or amplified music.
- d. Residential Zone Noise limits shall not apply where any residential activity exists on the same site as a noise source.
- e. In any zone where a temporary activity which is open to the public is being undertaken and where the activity does not extend beyond 8am and 11pm on any one day.
- f. Where the activity is a temporary military training activity or a temporary pyrotechnic event and complies with the provisions of clause 7 below.

3. Construction Noise Rules

Construction noise within any zone shall not exceed the recommended limits in, and shall be measured and assessed in accordance with, the provisions of NZS 6803: 1999 “Acoustic - Construction Noise”, or any subsequent replacement or amendment to those provisions.

4. Noise Associated with Helicopter Landing Areas

- 4.1 Noise associated with helicopter landing areas shall not exceed the limits in Table 1 of, and shall be measured and assessed in accordance with, the provisions of NZS 6807: 1994 “Noise - management and land use planning for helicopter landing areas” or any subsequent amendment or replacement to those provisions.
- 4.2 The operator of any helicopter landing area shall require, as a condition of use of the site, that all pilots using the site plan routes and fly in accordance with the recommendations

of the Helicopter Association International “Fly Neighbourly Guide”, revision February 1993, or any subsequent amendment or replacement to that guide.

5. Blasting

5.1 Vibration from any site due to blasting shall not exceed a peak particle velocity of 5mm/sec measured in the frequency range 3-12 Hz at any point within the notional boundary of any residential unit, visitor accommodation activity, elderly persons housing unit, hospital, or educational facility.

5.2 Air-blast overpressure from blasting on any land or in water shall not exceed a peak sound pressure level of 115bBCNote 1 at any point within the notional boundary of any residential unit, visitor accommodation activity, elderly persons housing unit, hospital, or educational facility.

6. Watercraft Noise

6.1 Powered watercraft shall be operated so as not to exceed the following noise limits at any point within the notional boundary of any dwelling:

On any day:

— 7am to 9pm Sound Exposure Level (SEL) 85dBA

— 9pm to 7am the following day Sound Exposure Level (SEL) 78 dBA

6.2 No watercraft shall emit noise in excess of a Sound Exposure Level of 90dBA in any single drive-by measured at a stationary point more than 25m from the line of travel of the craft.

6.3 The above noise limits may not be applied to any special event which does not occur on more than 4 occasions in any 12 month period.

Note:

These provisions relating to watercraft only apply to craft operating within the District, and do not apply to craft operating in the Coastal Marine Area.

7. Temporary Military Training and Temporary Pyrotechnic Events

Any temporary military training activity or temporary activity involving a pyrotechnic event in any zone shall be conducted so as to ensure the noise limits below are not exceeded at any point within the notional boundary or any residential unit, visitor accommodation activity, elderly persons housing unit, hospital or educational activity facility or any point within any Residential, Settlement or Business Zone, except that:

- a. the limits for impulsive noise arising from any use of explosives, explosives simulators, munitions, ammunition, or pyrotechnics at any time shall not exceed 122dBCNote 1 and;
- b. the noise limits below shall not apply where any exhibition or demonstration of military activities is open to the public, provided that such exhibition or demonstration does not exceed any more than 4 occasions in any 12 month period, and does not exceed the hours of 10am and 5pm on any one day.

Time on any day	L ₁₀ dBA	L ₉₅ dBA	L _{max} dBA
0630 – 0730	60	45	70
0730 – 1800	75	60	90
1800 – 2000	70	55	85
2000 - 0630 the	55	40	70

Time on any day	L₁₀ dBA	L₉₅ dBA	L_{max} dBA
following day			

Notes:

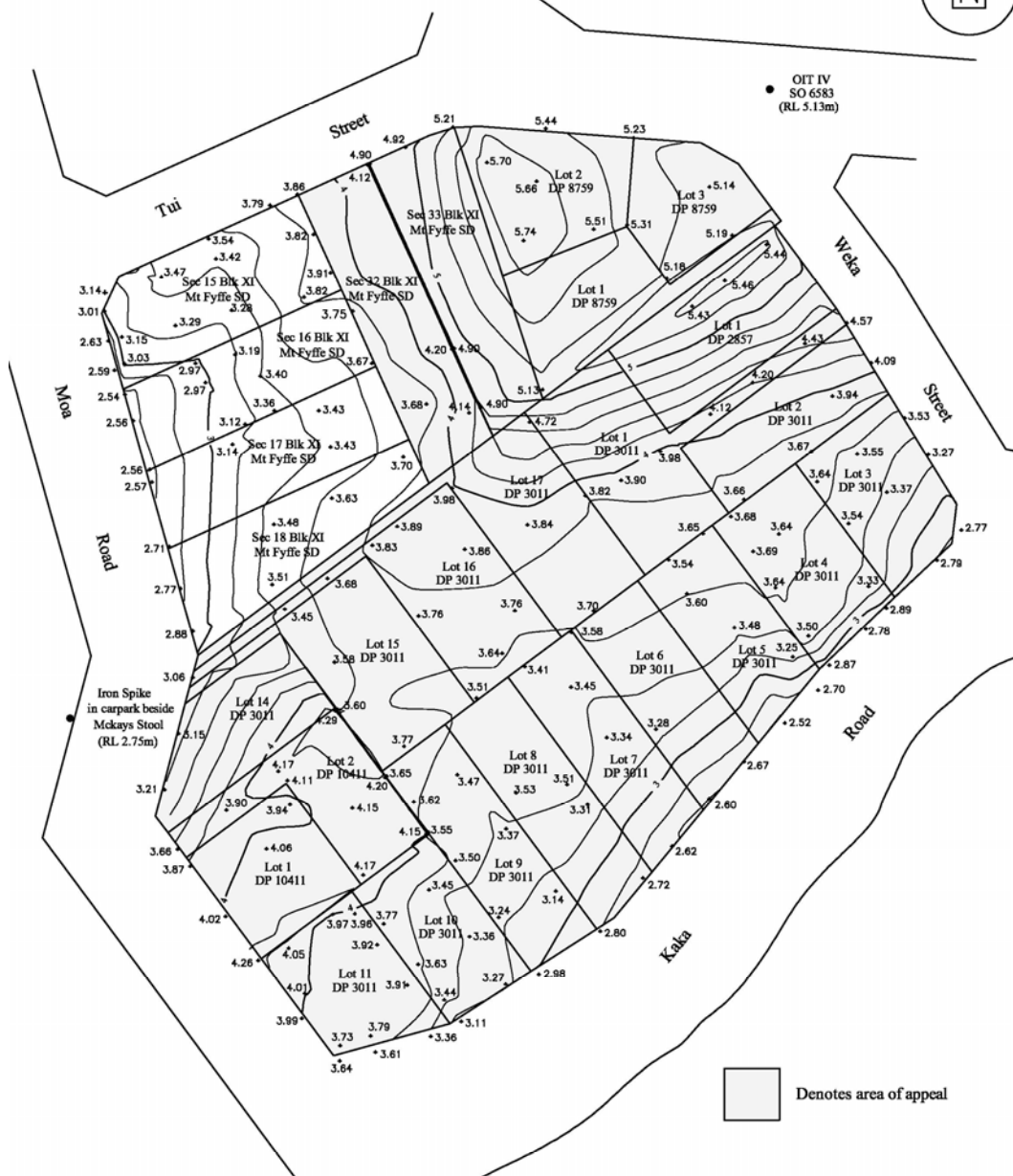
1. "dBC" means the C-frequency weighted sound level.

Appendix R: Contour Map for Ground Levels

Moa Point, South Bay

The following is a contour map of the Moa Point area showing the ground level contours. It is likely that the contours will be representative sampling but will concentrate on the highest contours without reference to the lowest and will not incorporate dips and hollows.

Appendix R



Contour Plan - South Bay, Kaikoura.

Note: All heights are in terms of the Land Information New Zealand Datum. (Lyttleton Vertical Datum 1937)
 The origin of heights is BM Q26 (R.L. = 6.302m)
 The contour interval is 0.200m

Sec 33 Blk XI Mt Fyffe SD and Lot 2 DP10411 have areas that have been retained and filled.

SCALE 1:1000 (A4)
 DATE 28 August 2007

