

Cadastral Survey Rules 2021 (CSR 2021)

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5 August 2021

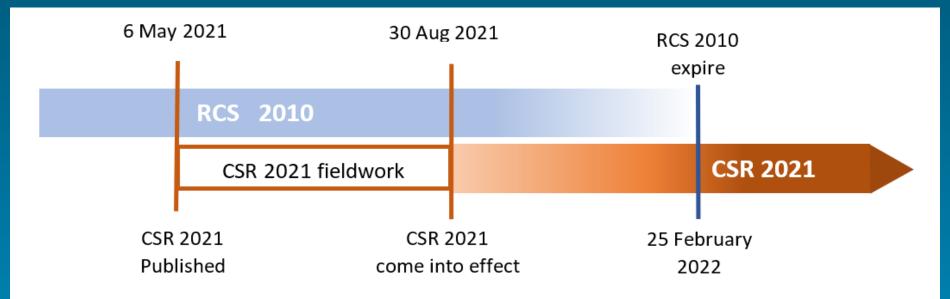
What I will cover

- Transition arrangements
- Key concepts relating to non-primary parcels
- Discussion: How to undertake easement survey over a limited title
- Key changes to Landonline
- Mock-up CSD showing easement
- How to get more information



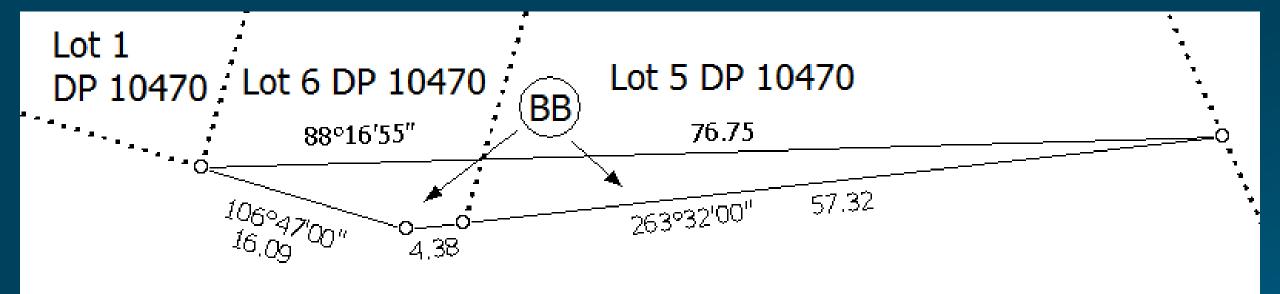
Transition

- Rules published 6 May 2021
- Rules go-live 30 August 2021
- Transition period through until 22 February 2022
- Requistion after then will require conversion to CSR 2021
- Safe latest time for lodgement end of January 2022



Non-primary parcels key concept 1

Non-primary parcel may cross a primary parcel



Non-primary parcels key concept 2

- Two options for defining non-primary parcels
 - 1. The underlying parcel
 - 2. The control network

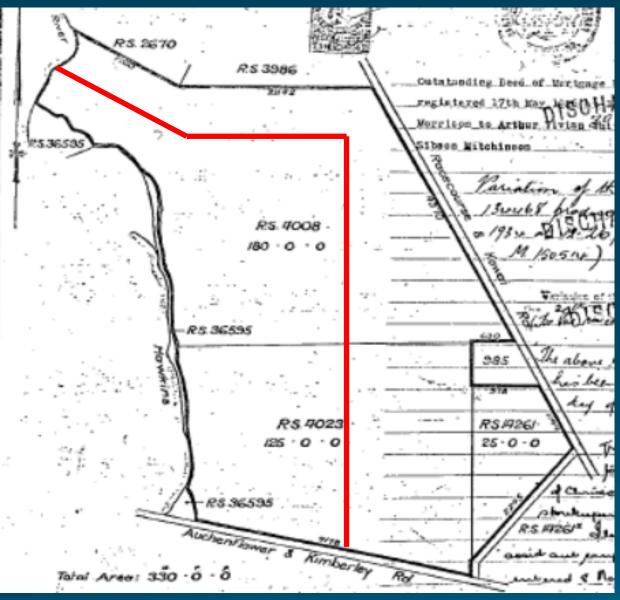


Non-primary parcels key concept 3

- A non-primary parcel may be inaccurately determined where
 - Class B accuracies would normally apply
 - None of the underlying primary parcel boundaries meet the applicable accuracy standard
- Specific survey requirements when relationship inaccurately determined
 - Bearings in terms of an official projection
 - 2 X CSNMs
 - PRMs required



Scope of work



How would you go about creating this survey efficiently and cost effectively?

• In the field

- Survey the infrastructure
- 2 x CSNM connections
- Ensure there are 3 PRMs

In the office

- Extract parcel boundaries from Landonline
- Overlay field data with parcel boundaries
- Create new easement corridor
- Create XML file for Landonline



Creating a CSR 2021 CSD

2	Landonline Workspace
	Message: 125850 Do you wish to pre-validate using RCS-2010? Yes No

Converting a RCS 2010 CSD

[Survey Rule Version:	C RCS-2010	CSR-2021	Batch Pre-valida	ate
					^

Landonline mark purpose

- Boundary
- PRM
- PRM/Boundary
- Non-boundary
- CSNM/VCM

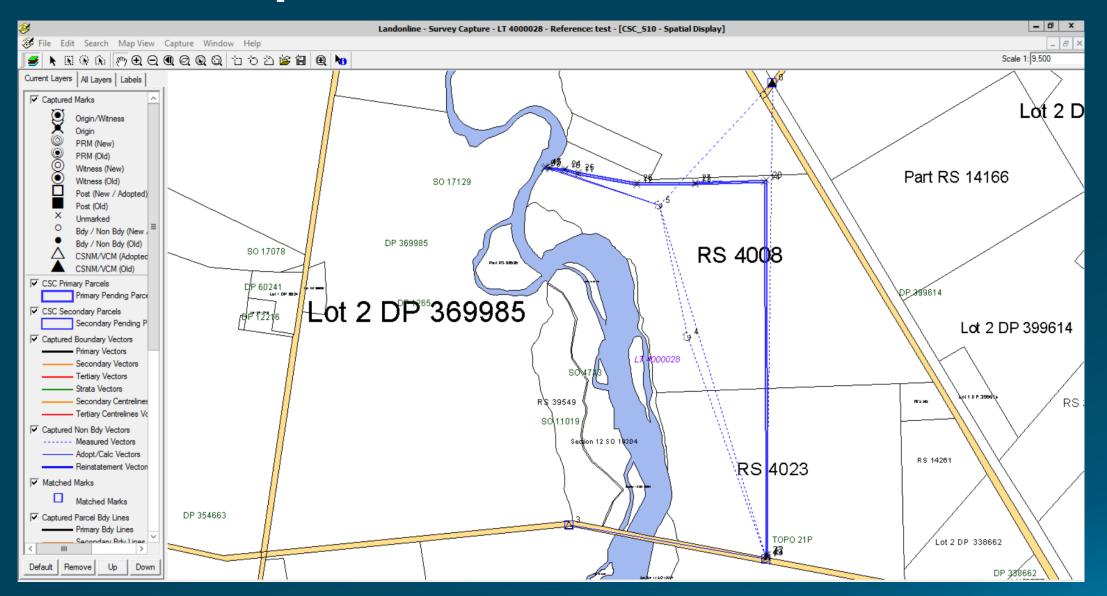
Edits to mark purpose

Y	(629 - Fatal - The following marks referenced by this survey dataset (CSR 2021) have invalid purposes/conditions supplied: (33)										
	Mark Ref	Mark Name	Condition F	urpose							
	14	PEG 2F DP 407637	Reliably Placed B	BNDS							
	15	PEG 2A DP 407637	Reliably Placed B	BNDS							
	16	PEG 2B DP 407637	Reliably Placed B	BNDS							
	17	PEG 2C DP 407637	Reliably Placed B	BNDS							
	18	PEG 2D DP 407637	Reliably Placed	NDS							
	19	PEG 2E DP 407637	Reliably Placed B	BNDS							
	-										

Mark capture

- Mark Informatio	n	
Name	PEG 2E DP 407637	Purpose Boundary Mark State 0 - Adopted Linked
Mark Type	Peg 🗨	Condition Reliably Placed Mark Disturbed Mark Renewed
Plan Ref	DP 407637	

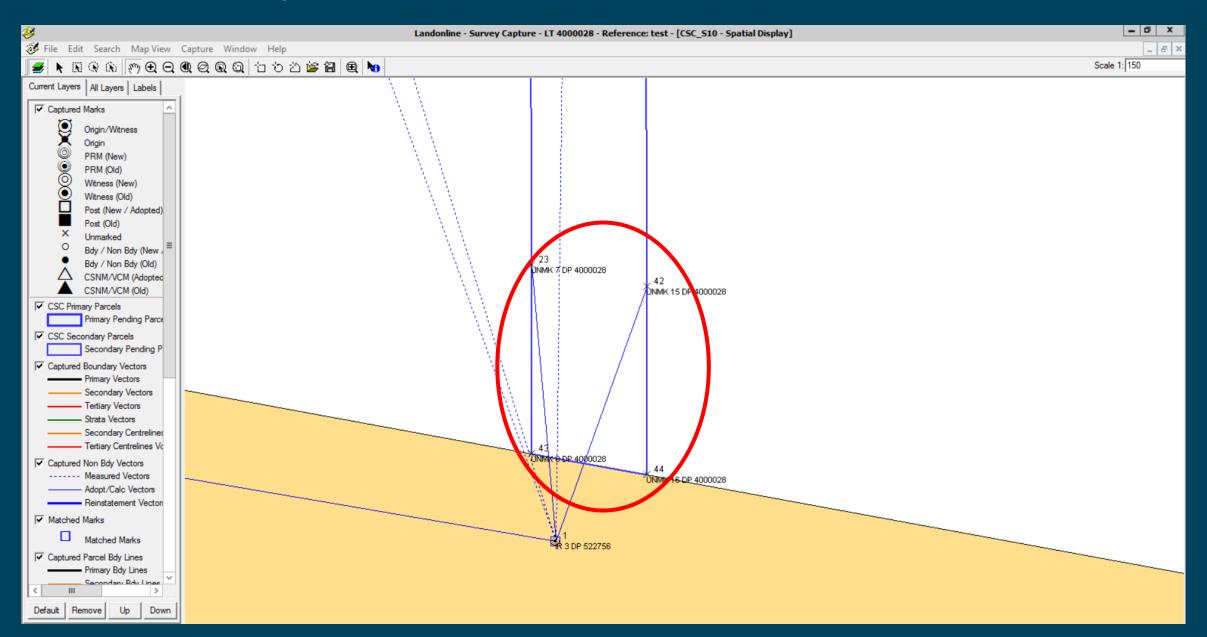
Landonline spatial view



Landonline survey header

¥	Landonline - Survey Capture - LT 40	00028 -	- Reference: test -	[CSC_502 - Survey Header]	_ 0 ×
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Survey Header					
Survey Number	LT 4000028		Survey Purpose	Easement	
Land District	Canterbury		Submitted Date		
Type of Dataset	Survey	-	Date of Survey	02 Jul 2021	
Survey Class	Class B	•	Certified Date		
Surveyor Ruf	101				
Surveyor	telfer001		Telfer, Lyndon Craig		
Surveyor's Firm	linznowe		LINZ National Opera	tions	
Legal Fim/Agent					
Description	Easements over Rural Sections 4008 and 4023	-(Comprised In Refer	rence	
			Туре	Reference Limited	Add Ref
		_	Title	CB396/246	Delete Ref
Meridional Circuit	Mount Pleasant 2000	-			
Vertical Datum	None	•			
Referenced Survey		_		orial Authorities	
Survey Number	Land District Bearing Corr	Add		orial Authority	Add Auth
BM 22 DP 522756	Canterbury 0.00000	De	elete Sur	yn District	Delete Auth
		Se	earch		
1					
				OK	Cancel

Inaccurately determined boundaries



Intersections with water, centre-line and irregular boundaries

Vectors class AD, BD or CD

Vector Details Bear Type Dist Type	Calculated Calculated	Source Source	(None)	•		Bear Correction Survey Class	Class BD		ayer 2-s quip Unk	iec nown							•
Mark Informati	ion		(None)	_	Dist Source			_ E	quip Torik	nown							•
Name	UNMK 18 DP 4	000028										Purpose	Boundary	-			
Mark Type	Unmarked											 Condition 	Reliably Placed	•	Mark Disturbed	Mark	Renewed
Description																	Unlink
	1																Mark Details
													Ap	ply	Hide Details	ОК	Cancel

Landonline parcel capture

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	Parcel Appellation	Area (ha) Action	Parcel Intent	Linked	Add						
1	Area A Deposited Plan 4000028 Rural Section 4008	Created 72.8434 Referenced	Easement DCDB		Edit						
3	Rural Section 4008	50.5857 Referenced	DCDB								
					Delete						
					Link						
					Unlink						
					Link Lol						
					Move Label						

Schedule of easements

Survey Information	Import Dataset	Pre-validate	Supporting Documents	Schedule/Memorandum	Plan Generation	TA Certification	Survey Report S	ubmit
Select table	chedule of Easement	s in Gross		•				
Purpose					Shown		Insert Line	
		•		·		-		
Right to convey w				Clear		Clear	Lancei Edi	ţ
Burdened Land (S	ervient Tenement)		antee		Height Li	imits		
RS 4008, RS 402	3			∧ ✓ Clear				
Preview							-	
Land Registration	District			/ Number			Edit	1
Canterbury Territorial Authority	the Council)			00028			Remove	
Selwyn District							Sort	
			dule of Easements in Edited: 06 Jul 2021 10:21				Sched/Mem -	
Purpose	She	<u>wn</u> <u>B</u>	urdened Land ervient Tenement)	Grantee			Rename	
Right to convey w	ater A	R	S 4008, RS 4023	Alpine Water Company	Limited		Sort	
							Remove	
							Undo Remo	ive
							Document —	
						(Save	
							Attach	
							Export	

Vectors required on the survey diagram

- Measured vector to each new or old survey mark
- Measured vectors to at least 2 other non-boundary marks for each new non-boundary mark
- Measured vectors between each boundary mark and a PRM (pegging tie)

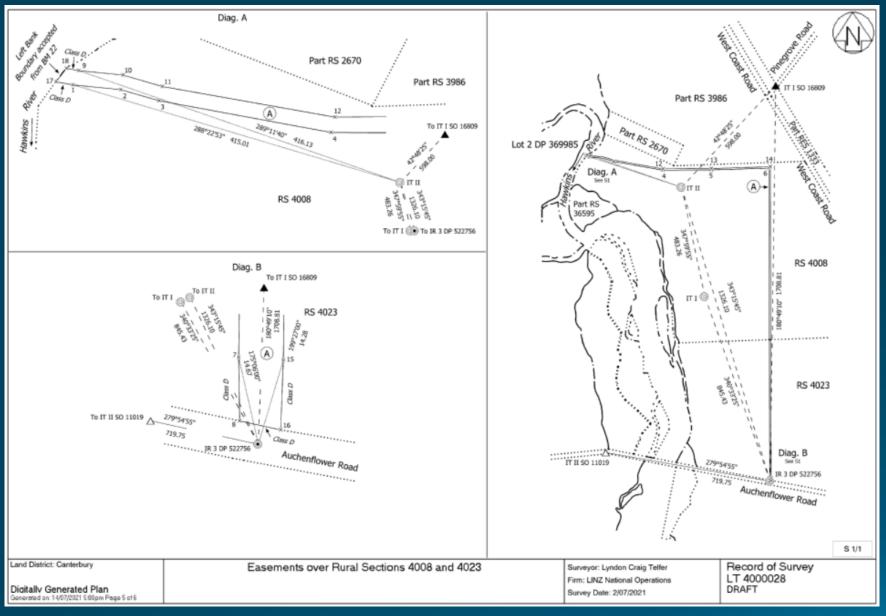


Field Information

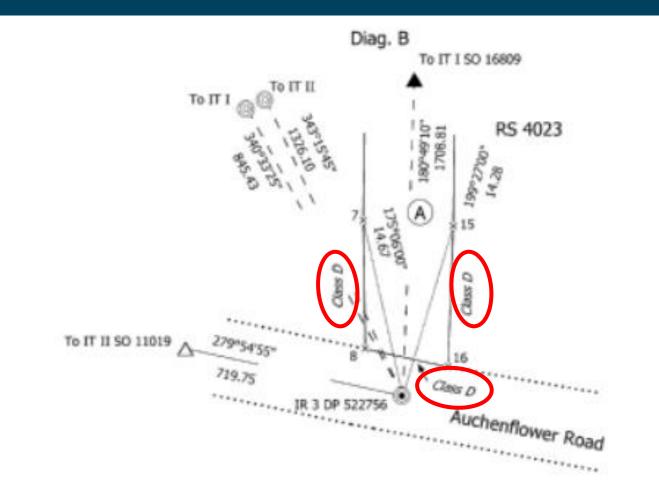
• Readable PDF format recommended

	1	CRI_524 - Record Supportin	ig Documents	×
4	Survey Number LT 4000004	Reference		
Г	Supporting Documents			[
	Document Type	Comment	File	
	Survey Report		S:\Survey Report.tif	Add
	Schedule / Mems.codum	System attached schedule/memorandum		
	Field Information		G:\Landonline\LT 4000004 Field informa	Attach
	Water Boundary Record		G:\Landonline\LT 4000004 Water boun	
				Delete
				View
	1			

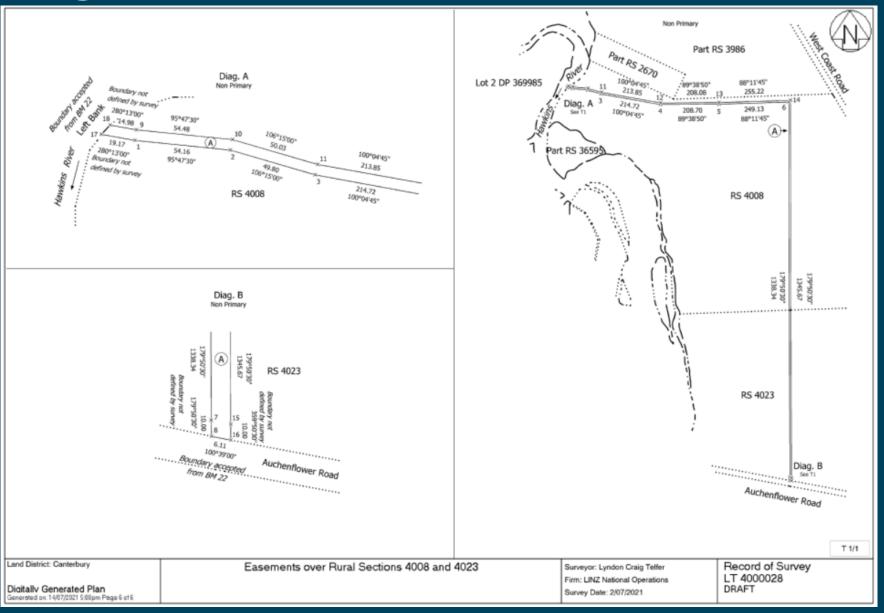
Survey diagram



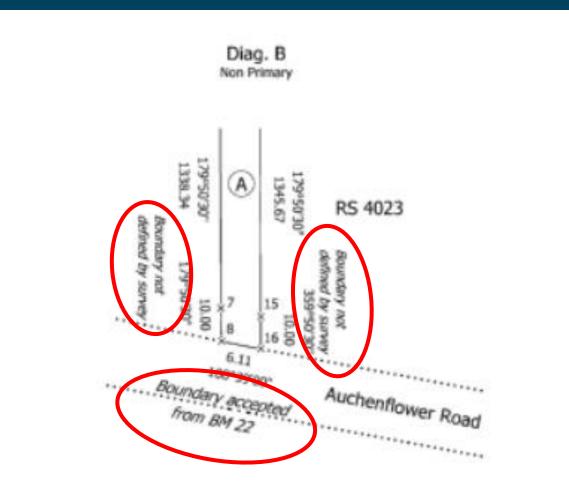
Survey diagram B



Title diagram



Title diagram B



Further Information

Rules Implementation webpage

- Cadastral Survey Guidelines
- Transitioning from RCS 2010 to CSR 2021

<u>SGRulesReview@linz.govt.nz</u>



Patai / Questions



New Zealand Government

Thank you!



New Zealand Government