

*Kenneth J. Tucker*  
*Map' Compiling Branch'*

---

NEW SOUTH WALES.

---

DEPARTMENT OF LANDS.

---

REGULATIONS

FOR THE

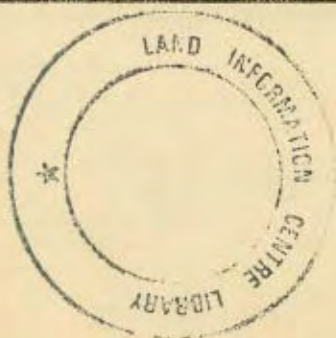
EMPLOYMENT OF LICENSED SURVEYORS.

---

1914.

---

\* 16083—4



Q  
526.90  
26/1

INDEX.

Abbreviations—			
Not to be used in reference to surveys	128	17	
Not to be used in title or plan	130	18	
Not to be used in notes—except those provided [Appendix D]	200	19	
Always give District—District Surveyor to be notified	0	19	
Answers to queries—To be provided	42	20	
Assessors—			
To be transmitted to District Surveyor	2	19	
Attorneys of Districts—	5, 42	19	

The survey of land's allotments—To be subject to its own form, however	205	19	
Public forms will be supplied for	248	17	
Particular surveys—Lengths to be given	268	17	
For impressions and reports—See table at back of survey in form Form 1	246	17	
Surveyors to have land accounts	247	17	
Accuracy in pay bills must require	248	17	
To be retained separately for each	250	17	
Payment of daily rates	251	17	
For daily rates, may be returned	252	17	
To be retained during annual year	253	17	
Surveyors to be informed of allotments	254	17	
Claims for corrections, objections, or	255	17	

NEW SOUTH WALES.

Act of settlement—Required by a surveyor	256	17	
Agreed land certificate—To be given in field notes	257	17	
Allotments—			
Allotment of land	258	17	
Dimensions of, in handling	259	17	
For marking of survey portions	260	17	
Allotments—			
Subdivision of unenclosed	261	17	
Making of notes of [Appendix T]	262	17	
Notes to be placed on plan	263	17	
Equivalent of—How to be shown	264	17	
Enclosures of surveys	265	17	
Angle—How to be shown	266	17	
Angular rods and	267	17	
Angular bearings—To be given	268	17	
Appendices—To be provided	269	17	
Applicants—			
Consent to be obtained by certificate of survey	270	17	
Notes to be written in field notes under this	271	17	

DEPARTMENT OF LANDS.

REGULATIONS

FOR THE

EMPLOYMENT OF LICENSED SURVEYORS.

Area—			
Yards and cubits—Conversion of	272	17	
Adjustment of	273	17	
Asymmetry of	274	17	
Comparison of directions for	275	17	
To be shown in sections completed	276	17	
To be shown in reference with true meridian—See	277	17	
Tables in comparison of	278	17	
Beacons—			
To be shown in field notes	279	17	
To be numbered at stations, to be recorded	280	17	
Beacons marked portions to be numbered	281	17	
Beacons marked	282	17	
For the purpose of comparison	283	17	
To be marked in plan	284	17	
Method of setting up plan	285	17	
Offices to be divided, method of setting up plan	286	17	
Sections of area to be marked	287	17	

1914.

* 16082—A			
Watercourses—			
To be shown in field notes	288	17	
To be shown in plan	289	17	
Where necessary, showing bearings in plan	290	17	
To be defined by right lines when old survey is shown	291	17	
As to marking of	292	17	
Marking of limits— [Appendix T]	293	17	
Of portions with all corners, to be shown by right lines	294	17	
To be shown in plan as limits	295	17	
Off-sets, [Appendix U]	296	17	
Method of indicating in plan. [Appendix U]	297	17	
Request for measurement and marking of	298	17	
Cancelled surveys—Marking of	299	17	
Cancelled value of land—To be noted in field notes	300	17	
Control points—Boundaries to be marked by	301	17	
Curves—			
Instructions for curves and marking. [Appendix V]	302	17	
To be indicated in plan by yellow rods	303	17	
Old tinning boundaries—To be defined by right lines	304	17	

\*16083—A

# INDEX.

Subject.	Paragraph.	Page.
<b>Abbreviations—</b>		
Not to be used in reference to corners	178	12
Not to be used in title to plan	179	12
Not to be used in reports—except those recognised [Appendix B]	206	14
<b>Absence from District—District Surveyor to be notified</b>		
	9	1
<b>Access to water supply—To be provided</b>		
	44	3
<b>Accounts—</b>		
To be transmitted to District Surveyor	3	1
Stoppage of advances on	5, 15	1-2
For tracings of Real Property Act surveys to be on Form A.	246	17
Advance of 75 per cent. may be paid	221, 249	15, 17
For survey of town allotments—to be subject to 10 per cent. decrease	225	16
Printed forms will be supplied for	243	17
Portion surveys—lengths to be given	244	17
For inspections and reports not made at time of survey to be on Form B	245	17
Surveyor to have bank account	247	17
Authority to pay into bank required	248	17
To be rendered separately for each survey	250	17
Payment at daily rates	251	17
For daily rates, may be reduced	252	17
To be rendered during financial year	253	17
Surveyor to be informed of alterations	254	17
Claim for correction, reduction, or omission—time limit	255	17
<b>Act of Parliament—Required by a surveyor</b>		
	4	1
<b>Agricultural capabilities—To be given in field notes</b>		
	35	2
<b>Alienated land—Owner or occupier to be notified before entry on</b>		
	16	2
<b>Alignment of streets—Instructions for, [Appendix D]</b>		
	81	5
<b>Alignment stakes—</b>		
Dimensions of, in marking	96	7
For marking of country portions	115	8
<b>Allotments—</b>		
Subdivision of measured	61	4
Marking of corner of, [Appendix T]	110	7
Scale to be plotted on plan	140	10
Boundaries of—How to be shown on plan	145	10
<b>Amendment of surveys—Cost to be paid by surveyor in default</b>		
	71	1
<b>Angle—Closing to be observed and noted in field notes</b>		
	29	2
<b>Angles in road surveys—Stakes to be inserted</b>		
	123	8
<b>Angles—Bearings to be clearly shown in field notes</b>		
	27	2
<b>Appendices—To be part of Regulations</b>		
	256	17
<b>Applicant—</b>		
Consent to be obtained to modification of survey	72	5
Name of to be written in full on plan under title	180	12
<b>Area—</b>		
Town and suburban lands, limit of	38	3
Adjustment of errors in	67	4
Deficiency in, not permitted	69	5
To be written on plan of a portion	175	11
Omission of fractional quantities	177	11, 12
Computation of, to be furnished, [Appendix G]	188	12
<b>Azimuth—</b>		
Comparison of, directions for	54	4
To be shown, of portions connected to	58	4
To be determined of difference with trigonometrical survey	92	6
Payment for comparison of	233	16
<b>Bearings—</b>		
To be shown in field notes	27	2
To trigonometrical stations, to be recorded	63	4
From isolated portions to conspicuous natural features	66	4
For feature surveys	83, 120	6, 8
For trigonometrical connections	89	6
To magnetic meridian	145	10
Method of noting on plans	156, 159	10
Of lines not chained, method of noting on plans	160	11
Seconds of arc to be omitted	177	11, 12
<b>Boundaries—</b>		
Of portions fronting watercourses	39	3
To be directed to cardinal points	41	3
Where inaccessible, connecting traverse to be made	42	3
To be defined by right lines when cliff forms a barrier	43	3
As to re-marking of	118	8
Marking of County, [Appendix T]	121	8
Of portions and allotments, to be shown by black lines	155	10
To be shown on plan as found	168	11
Of Counties, Parishes, &c. Method of indicating on plans, [Appendix U]	176	11
Payment for measurement and marking of	222	15
<b>Cancelled surveys—Obliteration of marking</b>		
	118	8
<b>Capital value of land—To be noted in field notes</b>		
	27	2
<b>Cardinal points—Boundaries to be directed to</b>		
	41	3
<b>Cemeteries—</b>		
Instructions for survey and marking, [Appendix E]	95	6
To be indicated on plan by yellow colour	159	10
<b>Cliff forming boundary—To be defined by right lines</b>		
	43	3

Subject.	Paragraph.	Page.
Close of survey—		
To be tested by latitude and departure	68	5
Limit of allowable error in	68	5
Coast-line—Rate of payment for survey of	226	16
Colours—List of, to be used on plans	159	10
Comparison of azimuth—Payment for	233	16
Computation of area—To be furnished by surveyor. [Appendix G]	188	12
Conditional purchase—		
Starting point of survey to be shewn on plan	70	5
Purposes for which reserves may be made from	71	5
Modification in form of survey	72	5
Conditional lease—starting point of survey to be shewn on plan	70	5
Connections—		
To be made to previous surveys	58, 65	4
In subdivisions of measured portions	62, 231	4, 16
Across a watercourse	64	4
Required in road surveys	79	5
Required in feature surveys	84, 86	6
With a trigonometrical station	88	6
Marking of. [Appendix T]	121	8
To be written on plans	162	11
To roads intersecting boundaries	167	11
Remuneration for survey of	227, 231	16
Contract—Surveys may be let by	241	16
Co-ordinates—To be shewn on plans of road and feature surveys	174	11
Copper tacks—For marking in feature surveys. [Appendix T]	120	8
Corners—		
Fixation of, near a watercourse	39	3
Marking of section. [Appendix T]	109	7
Marking of allotment. [Appendix T]	110	7
Marking of, in rock. [Appendix T]	111	8
Marking of, in country portions. [Appendix T]	116	8
Particulars of old—to be given on plan as found	169	11
Reference on plan to be in tabular form without abbreviations	178	12
Payment for marking...	223	15, 16
Payment for obliterating, in cancelled surveys	224	16
Corner trees—		
Marking of in surveys	109	7
Reference to, to be shewn in field notes	30	2
Correspondence—		
To be transmitted to the District Surveyor	3	1
Forms of letters. [Appendices Wa, b, c, d, e]	201	13
Heading of letters	202	13
Letter transmitting plan to give full particulars of survey	203	13
Letter to be restricted to one subject	204	13
To be dated and numbered consecutively	204	13
To be addressed to the District Surveyor	204	13
Corners of papers not to be turned up	204	13
Instruction number to be quoted when replying to	205	14
Abbreviations not to be used in—except those authorised. [Appendix J]	206	14
Envelopes to be endorsed	207	14
Original papers to be returned	208	14
Action taken to be endorsed on papers	209	14
B.C. reports to follow next to instructions	210	14
Register of instructions to be kept by Surveyor	211	14
Register to be supplied by the Department...	211	14
Register to be forwarded to District Surveyor when demanded	211	14
County boundaries—		
Marking of. [Appendix T]	121	8
Method of indicating on plans. [Appendix U]	176	11
Country portions—		
Offsets not to exceed 150 links	59	4
Clearing of boundary lines	113	8
Marking of	113-118	8
Positions for special marks	133	9
Scale of plans of	151	10
Creek—		
Separating portions—connection required	64	4
Position of, to be shewn on plan	163	11
Name of, to be written on plan	172	11
Crown leases—		
Miners' rights within, not to be marked	45	3
Position of miners' rights to be shewn on plan	45	3
Area of mining occupation to be excluded from area of	45	3
Co-secants—		
To be stated when road is 3 chains wide or over	166	11
Payment for	228-230	16
Daily rates—Remuneration by	242	16
Deficiency in Area—Not permitted	69	5
Deputy—Employment of, prohibited	6	1
Descriptions—Connections required for preparation of	58	4
Destruction of survey mark—To be reported. [Appendix F]	137, 138	9
Diagrams—		
To be provided in field notes, to illustrate same	22	2
To accompany instructions	46, 75	3, 5
On road plans	191	13
Direction Stakes—Position for. [Appendix T]	103	7
District Increase—Payment of	240	16
District Surveyor—		
Definition of term	1	1
Authority to issue instructions	2	1
All official correspondence to be forwarded to	3, 204	1, 13

Subject.	Panagraph.	Page.
<b>District Surveyor—continued.</b>		
May authorise use of instrument other than theodolite	70	1
To be referred to as to measurement if surveyor is in doubt	40	3
Proposed modification of survey to be reported to	72	5
To be referred to re modification of design	73	5
To direct special marking	136	9
May authorise advance on accounts	221	15
To be referred to in cases not provided for in regulations	237	17
Drains—Reserves to protect	52	3
<b>Drawings—</b>		
Plan may be rejected if faulty	12, 144	10
Plans to be of best mounted hand-made drawing paper	130, 189	9, 12
Size of plan	140	9
Plans may be required to be drawn for photo-lithography	141	10
Number of portions on a plan	142	10
Plans not to be folded	143	10
Bearings of magnetic meridian to be shewn on plan	145	10
Plan to have north point upwards	146	10
Magnetic north and magnetic variation to be shewn on plan	147	10
Scale to be drawn on plan of extensive survey	148	10
Scale for town allotments on plan	149	10
Scale for plans of suburban portions	150	10
Scale for plans of country portions	151	10
Scale for plans of leases	152	10
Scale for plans of feature surveys	154	10
Of boundaries of portions	155	10
Bearings of portions to be recorded in degrees and minutes	156	10
Of traverse lines	157	10
Plans of portions to be tinted and edged	158	10
List of colours to be used on plans	159	10
Bearings to be shewn in blue broken lines	160	11
Red writing prohibited except for road and alignment plans	161	11
Connections to be written on plan	162	11
Physical features to be shewn on plan	163	11
Trigonometrical stations to be shewn on plan	163	11
Hills and undulations to be indicated on plan	164	11
Features, improvements and fencing to be shewn on plan	165	11
Reserved roads and tracks to be shewn on plan	166	11
Connections to reserved roads to be given	167	11
Old boundaries as found—to be shewn on plan	168	11
Corners and reference marks to be shewn on plan	169	11
Topographical particulars to be shewn	170	11
Reserve or tenement within a portion to be shewn	171	11
Names of rivers, creeks, &c., to be written on plan	172	11
Plans of feature surveys to be in sheets	173	11
Co-ordinate lines on plans of roads or feature surveys to be in blue	174	11
Parish No. and area to be shewn on plan	175	11
Boundaries of Counties, Parishes, &c., to be shewn on plan. [Appendix U]	176	14
Fractional quantities to be omitted from plans	177	11
Reference to corners to be noted on plan in tabular form	178	12
Title of plan not to be abbreviated	179	12
Applicant's name to be written in full on plan under the title	180	12
Title of plan of survey for a special purpose	181	12
Notes on plan required	182	12
The term "lot" not to be used on plan	183	12
Date of completion of survey to be given on plan	185	12
Driftways—Payment for survey of	229	16
Enclosures—Severed by a road to be shewn on plan	198	13
Encroachment—On measured portions	61	4
Envelopes—To be addressed O.H.M.S., &c.	207	14
Equipment—Required to be provided by a surveyor. [Appendix A]	4	1
Errors—Required to be made in field notes	24	2
Erroneous Surveys—		
May be rejected and cost disallowed	11	1
May lead to cessation of employment and stoppage of advances	15	2
<b>Errors in surveys—</b>		
To be reported to District Surveyor with sketch	67	4
Limits of, allowable	67, 68	4, 5
<b>Feature surveys—</b>		
Bearings required to distant objects	83	6
Connections to County and other marked boundaries	84	6
Traverse to follow features to be surveyed	85	6
Offsets not to exceed 150 links	85	6
Selection of features for connection survey	86	6
Connections to be as direct as possible	89	6
Marking of. [Appendix T]	120	8
Method of indicating special marks on plan	135	9
Scale of plans of	154	10
Plans to be drawn in sheets	173	11
Co-ordinate lines to be shewn on plans	174	11
Reports on, to give physical conditions of country	214	13
Rate of payment for	226	16
<b>Fencing—</b>		
Boundaries exempted from, to be noted in field notes	30	2
Boundaries that will admit of give and take fences to be shewn	30	2
Return of, to accompany road plans. [Appendix L]	196	13
Reports on exemptions	217	14
<b>Field notes—</b>		
To be recorded on sheets supplied by the Department	18	2
Not to be cut	18	2

Subject.	Paragraph.	Page.
<b>Field Notes—continued.</b>		
Class of survey to be recorded at beginning of notes	19	2
Certificate to be at end of notes	19	2
To be forwarded to District Surveyor with each survey	20	2
To be precise and complete	21	2
Diagram to be provided in notes to illustrate survey	22	2
To be original notes, not merely copies	23	2
To be recorded in ink	23	2
Erasures not to be made	24	2
Date of Survey, applicant's name, &c., to be given	25	2
Initial line of survey and azimuth to be shewn	26	2
Bearings to be shewn and repetition of angles	27	2
Lengths to be entered as read	28	2
Corrections for hypotenusal measurements and temperatures	28	2
Closing angle to be observed and noted	29	2
Reference to corner trees—Method of shewing	30	2
Features to be shewn comprehensively	31	2
Intersections of features, fences, &c., on measured lines to be shewn	32	2
Lines re-chained to be specified	32	2
Position and state of old marks to be given	32	2
Intersections, offsets and width of watercourses to be shewn	33	2
Position of improvements, ownership and value to be noted	34	2
Full particulars as to Water Supply to be given	35	2
Character of soil and timber to be given	35	2
Grazing or agricultural capabilities, &c., to be noted	35	2
Geological formation of country to be given	35	2
To note what boundaries may be exempted from fencing	36	2
To note boundaries that will admit of give and take fences	36	2
Capital and rental values of land to be noted	37	2
<b>Fine—</b>		
May be imposed for faulty survey	43	1
Not to exceed 25 per cent. on authorised charges	43	1
Fords and Crossings—Roads to be of extra width at	48	3
Forests—Limits of to be shewn on plans	165	11
Fractions of inches and links—To be omitted from plan	177	11, 12
<b>Frontage—</b>		
To Watercourse—Survey of portion with	39	3
Any doubt as to—To be referred to District Surveyor	40	3
Gates (Public)—Report on to give full particulars	220	15
<b>Geological formation—</b>		
To be stated in field notes	35	2
To be recorded on plan	170	11
<b>Gold Fields—</b>		
Boundaries of, to be shewn on plan in yellow	150	10
Report on surveys on	216	14
Government survey mark—Destruction of. [Appendix E]	137	9
Grazing capabilities—To be stated in field notes	35	2
High Water Mark—Directions for determining. [Appendix C]	56	4
Hills—To be shewn on plans	164, 172	11
Homestead farms—General directions for survey	75	5
Homestead Selections—General directions for survey	75	5
<b>Improvements—</b>		
Particulars of—to be given in field notes	34	2
Position and extent of, to be shewn on plan	165	11
Particulars of, to be given in reports	213	14
<b>Improvement purchases—</b>		
Form of measurement and area of	73	5
Any modification to be submitted to District Surveyor	73	5
<b>Inaccessible boundaries—Method of dealing with</b>		
<b>Instructions—</b>		
Officers authorised to issue	2	13
To be carried out in order of sequence	5	13
To be acted on promptly	5	13
To be withdrawn from Surveyor if delayed	5	13
<b>Instruments—</b>		
Required by a surveyor. [Appendix A]	4	1
Theodolite to be used unless otherwise directed	4	1
To be subject to approval of District Surveyor	7	1
<b>Intersections—To be shewn in field notes</b>		
Isolated portions—Bearing to be observed from	33	2
Lagoons—Measurement of portions fronting	66	4
<b>Lakes—</b>		
Measurement of portions fronting	55	4
Names of, to be written on plans	172	11
Lanes—Width of	38	3
Landing places—Roads to be of extra width at	48	3
Latitude and Departure—Survey to be tested by	68	5
<b>Leases—</b>		
For mining purposes	60	4
General directions for survey of certain classes of	76	5
Lines previously marked by same surveyor—Payment for	232	16
Local Increase—Payment of	240	16
<b>Lockspits—</b>		
Dimensions of	103	7
At stakes on road surveys	122	8
<b>Magnetic north—To be shewn on every plan</b>		
<b>Magnetic variation—</b>		
Determination of	53	4
Payment for determining	234	16
Marking—To be effaced when survey is rejected	12	1

INDEX.

Subject.	Paragraph.	Page.
<b>Marking (General)—</b>		
To be done in a permanent manner ...	96	7
Stakes, posts, lengths and description of ...	96	7
Of reference trees or rocks—Method of. [Appendix T] ...	97	7
Subdivision line on measured portion ...	98	7
Of reference trees—Bearings, &c., to be observed ...	99	7
Of corner reference trees of portions ...	100	7
Post to be used if tree not available ...	102	7
Lockspits, direction stakes, &c. [Appendix T] ...	103	7
Use of broad arrow ...	104	7
By peg or stake on track in use ...	105	7
Of boundaries, corners, alignment, &c. ...	106	7
<b>Marking (Town and Suburban portions)—</b>		
Clearing of boundary lines ...	107	7
Trees along and within 3 feet of boundary lines ...	108	7
Section corner. [Appendix T] ...	109	7
Allotment corner. [Appendix T] ...	110	7
Rock at corner. [Appendix T] ...	111	8
Suburban portions and numbering of ...	112	8
<b>Marking (Country portions)—</b>		
Clearing of boundary lines ...	113	8
Trees on or near boundaries. [Appendix T] ...	114	8
Rock on boundary at corner. [Appendix T] ...	117	8
Renewing marking of a common boundary ...	118	8
Marking (Reserves)—Reference marks to bear inscribed significant letters. [Appendix T] ...	119	8
<b>Marking (Feature Survey)—</b>		
Special marks to be inserted. [Appendix T] ...	120	8
Bearings and distances to be recorded to tree or post. [Appendix T] ...	120	8
Copper tacks on apex of broad arrow. [Appendix T] ...	120	8
Marking (County Boundaries)—Reference marks to bear initial letters of counties. [Appendix T] ...	121	8
<b>Marking (Roads)—</b>		
To be defined on both sides ...	122	8
Miles to be marked on trees or posts ...	123	8
Corner posts to bear broad arrow over letters RD. [Appendix T] ...	124	8
Of reserved road through a portion ...	125	8
<b>Marks (Special)—</b>		
To be inserted at reference points on feature surveys. [Appendix T] ...	130	8
To be capable of identification ...	130	9
Copper plug, iron tube or bottle to be used ...	127	9
Description of copper plug ...	128	9
Mode of fixing plug ...	129	9
Description of bottle mark and fixing of same ...	130	9
Description of iron tube mark and fixing of same ...	131	9
Position in road surveys ...	132	9
In country portions ...	133	9
In feature surveys—		9
To be indicated on plans ...	134	9
Only to be inserted under direction of District Surveyor ...	135	9
Payment for ...	235	16
<b>Measured Portions—</b>		
Subdivision of ...	61	4
Connections required ...	62	4
<b>Memoranda—Must meet with immediate attention</b>		
Meridian—As to adoption of ...	14	2
Mileage rate—For travelling with camp and equipment ...	41	3
Mining—Lands leased for purposes of ...	236	16
Miners' Rights not to be marked in Crown leases ...	60	4
Monthly Progress Report—To be furnished ...	45	3
Municipal boundaries—To be shown on plans ...	8	1
Municipal Council—To be informed of road surveys ...	176	11
Needle (Magnetic)—To be kept in correct adjustment ...	78	5
North Point—To be upwards on plans ...	41	3
Obturation of corner marking—Cancelled portions ...	146	10
Observations—Solar or stellar for magnetic variation. [Appendix B] ...	224	16
Offsets—		
Not to exceed certain limits ...	53	4
To be shown in field notes ...	85	6
Old boundaries—As found, to be shown on plans ...	33	2
Old reference marks—To be shown on plans as found ...	168	11
Old Marks—Particulars of to be given in field notes ...	169	11
Owner or occupier—alienated lands—to be notified by Surveyor before entry on ...	32	2
Papers—Corners not to be turned up ...	16	2
Payment—		
For boundaries measured and marked ...	204	13
Corners (new and other) ...	222	15
Feature surveys, ranges, watercourses, &c. ...	223	15
Connections ...	226	16
For survey of roads 3 chains in width and cosecants ...	227, 231	16
For survey of roads over 3 chains in width and cosecants ...	228	16
For survey of roads under Public Roads Act and cosecants ...	229	16
Subdivision of measured portion ...	230	16
Lines previously measured by same surveyor ...	231	16
Comparison of azimuth ...	232	16
Determination of magnetic meridian ...	233	16
Special marks ...	234	16
Travelling with camp and equipment ...	235	16
Of survey fees exemplified Diagrams Ia, b, c ...	236	16
For report on Form L.L.B. 78 ...	237	16
Of district increase ...	239	16
For surveys by Special contract ...	240	16
By daily rates ...	241	16
	242	16

Subject.	Paragraph.	Page.
Plans—		
May be rejected for defective drawing, &c. ...	12, 144	1, 10
When rejected payment not to be allowed ...	12	1
Magnetic variation to be shewn on. [Appendix B]	53	4
Bearings to trigonometrical stations to be recorded on ...	63	4
To shew starting point and prominent features ...	70	5
Scale of, for trigonometrical connections ...	94	6
Position of special marks to be indicated on ...	135	9
To be of best mounted hand-made drawing paper ...	139	9
Size of ...	140	9
May be required to be drawn for photo-lithography ...	141	10
Number of portions to be shewn on ...	142	10
Not to be folded ...	143	10
Bearings to magnetic meridian to be given ...	145	10
To have north point upwards ...	146	10
Magnetic north and magnetic variation to be shewn ...	147	10
Scale, for extensive surveys ...	148	10
Scale, for town allotments ...	149	10
Scale, for suburban portions ...	150	10
Scale, for country portions ...	151	10
Scale, for leases ...	152	10
Scale, for feature surveys ...	154	10
Method of indicating bearings on ...	156	10
Method of indicating traverse lines on ...	157	10
Of portions to be tinted and edged ...	158	10
Colours to be used on ...	159	10
Method of indicating lines not chained ...	160	11
Red writing not to be used on, except for road traverses and alignments ...	161	11
Connection to be written on ...	162	11
Physical features to be shewn on ...	163	11
Trigonometrical stations to be indicated on ...	163	11
Hills and undulations to be shewn ...	164	11
Features, improvements, and fences to be shewn ...	165	11
Reserved roads and tracks to be shewn ...	166	11
Connections to roads to be given on ...	167	11
Old boundaries to be shewn on, as they are found ...	168	11
Corners and reference marks to be indicated as they are found ...	169	11
Topographical information to be given on ...	170	11
Reserve or tenement within a portion to be shewn ...	171	11
Rivers, lakes, &c., Names of, to be written on ...	172	11
Feature Survey—To be in sheets ...	173	11
Feature and road surveys—co-ordinate lines to be shewn ...	174	11
Area and Parish Number of portion to be given ...	175	11
Distinguishing boundaries to be shewn. [Appendix U] ...	176	11
Fractional quantities, to be omitted ...	177	11, 12
Reference to corners, to be in tabular form ...	178	12
Abbreviations not to be used in title ...	179	12
Names of applicant to be written in full under title ...	180	12
Surveys for special purposes—Title of ...	181	12
Particulars of situation of land to be given ...	182	12
The term "lot" not to be used on ...	183	12
Date of survey to be given on ...	185	12
To be transmitted as soon as possible after survey ...	186	12
Of amended surveys to be accompanied by letter ...	187	12
To be sent in with letters ...	188	12
Specimens, illustrating instructions. [Appendices Za, b, R, S] ...	200	13
Plug—For special marks ...	128	9
Portion—Definition of term ...	1	1
Portions—		
Fronting watercourse—Measurement of ...	39, 40	3
Road must be provided to ...	44	3
Roads to form boundaries as far as possible ...	47	3
Fronting lakes, lagoons, and swamps—Measurement of ...	56	4
Fronting tidal waters—Measurement of ...	55	4
Numbering of ...	57	4
To be connected with some previous survey ...	68, 65	4
Measured—Subdivision of ...	61	4
Marking reserved road through ...	125	8
Number of, to be shewn on plan ...	142	10
Portions (Suburban)—Scale for plans of ...	150	10
Portions (Country)—Scale for plans of ...	151	10
Posts for marking surveys ...	96, 102	6, 7
Progress Report to be furnished monthly. [Appendix K] ...	8	1
Public Gates—Reports on, to give full information ...	220	15
Quarries—Reservations for ...	49	3
Ranges—		
Summits of, to be shewn in field notes ...	32	2
Rate of payment for survey of ...	226	16
Reference Marks—Particulars to be given on plan ...	169	11
Reference stations—Marking of country portions ...	115	8
Reference trees—Marking of country portions. [Appendix T] ...	97	7
Regulations—		
Officers authorised to issue instructions under ...	2	1
Non-compliance with—Penalties for ...	15	2
All questions under, to be decided by the Surveyor-General ...	17	2
Appendices to be part of ...	256	17
Reference to District Surveyor in cases not provided for in ...	257	17
Real Property Surveys—		
Plan to be on approved form. [Appendix Z] ...	153	10
Tracing being an exact copy of plan, to be furnished ...	153	10
Area to be quoted to nearest perch ...	177	11, 12



Subject.	Paragraph.	Page.
<b>Real Property Surveys—continued.</b>		
Certificate to be furnished. [Appendix Q]...	153, 184	10, 12
Payment for tracing of plan ...	238	16
Account for tracing, to be on Form A ...	246	17
Account for tracing, to be on Form A ...	118	8
Re-marking—Common boundary of previously defined portions ...	37	2
Rental value of land to be given in field notes ...	3	1
<b>Reports—</b>		
To be transmitted to District Surveyor ...	212	14
General information required ...	213	14
Full particulars of improvements to be supplied ...	214	14
On feature surveys—Conditions of country to be stated ...	215	14
To be furnished on approved printed form when so directed ...	216	14
On portions measured on a gold or mineral field ...	217	14
On fencing exemptions ...	239	16
On approved printed forms—Payment for ...	171	11
Reserve within a portion to be shewn on plan ...	49, 71	3, 5
<b>Reserves—</b>		
For water supply, &c., to be provided ...	51	3
For water races ...	119	8
Marking of. [Appendix T] ...	159	10
To be indicated on plan by emerald green ...	176	11
Boundaries of, to be shewn on plans. [Appendix U] ...	218	14
Reports on, to be comprehensive ...	165	11
<b>Ringbarking—Position of to be shewn on plan ...</b>		
<b>River—</b>		
Separating portions, connection required ...	64	4
Position of, to be shewn on plan ...	163	11
Bearing to opposite side, to be noted on plan ...	160	11
Name of, to be written on plan ...	172	11
<b>Roads—</b>		
To be provided in suitable positions ...	44, 46	3
May be of variable widths ...	44	3
Must be provided to every portion ...	44	3
To form boundaries of portions as far as possible ...	47	3
When reserved, to be marked on both sides ...	48	3
To be of extra width at fords and crossings ...	71	5
Reservation for, out of conditional purchases ...	77	5
Surveys to be carried out under Acts and Regulations ...	78	5
Shire and Municipal Council, to be informed of survey of... ..	79	5
Intersection of marked boundaries to be noted ...	79	5
Connections to be made to measured portions ...	79	5
Position of dwelling-house within 200 yards to be given ...	80	5
Need not be uniform in width ...	122 to 125	8
Marking of ...	132	9
Position of special marks to be indicated ...	159	10
Reserved, to be indicated on plan by burnt sienna ...	166	11
Through portions to be indicated on plan ...	167	11
Intersecting boundaries, connections to be shewn on plan ...	174	11
Co-ordinate lines to be shewn on plan ...	189	12
Best mounted drawing paper to be used for plans ...	190	12
Plans to be plotted longitudinally on the paper ...	191	13
Scale for plans and diagrams ...	192, 193	13
Colours to be used on plans ...	194	13
Writing on plans to be black, except as prescribed in certain cases ...	195	13
Title of plan of. [Appendix R] ...	196	13
Schedule and return of fencing to accompany plan. [Appendix L] ...	197	13
Plan and return to be signed by Surveyor ...	198	13
Enclosure severed to be indicated on plan ...	199	13
Letter reporting survey to give full particulars ...	219	15
Reports on—To state public requirements, &c. ...	228, 229, 230	16
Payment for survey of... ..	111	8
<b>Rocks—</b>		
At corner—Marking of, for town and suburban portions. [Appendix T] ...	117	8
At corner—Marking of, in country portions. [Appendix T] ...	127, 128, 129	9
To fix special mark in ...	134	9
<b>Rock Marks, to be preferred in any survey ...</b>		
<b>Schedule of Prices—</b>		
Application of. [Appendices Ia, Ib, Ic] ...	222 to 235	15, 16
School Sites to be shewn in blue on plan ...	159	10
Section corner—Marking of. [Appendix T] ...	109	7
Shire Council to be informed of road surveys ...	78	5
Special contract—Surveys may be let by... ..	241	16
<b>Special Marks—</b>		
To be inserted in feature surveys. [Appendix T] ...	120	8
(Vide marking) ...	126 to 136	9
Payment for ...	235	16
Payment for ...	200	13
<b>Specimen plans, illustrating instructions. [Appendices Z, Za, Zb, R, S]</b>		
Standard—Steel or invar band to be kept by Surveyor as a ...	7	4
<b>Streets—</b>		
Not to be less than 100 links wide, generally 150 links ...	38	3
Alignment of. [Appendix D] ...	81	6
<b>Subdivisions—</b>		
of measured portions ...	61, 98	4, 7
Payment for ...	231	16
Payment for ...	75	5
<b>Suburban holdings—General directions for survey of ...</b>		
<b>Suburban Portions—</b>		
Area not to exceed 20 acres ...	38	3
Offsets not to exceed 75 links... ..	59	4
Marking and numbering of ...	112	8

Subject.	Paragraph.	Page.
<b>Surcharges—</b>		
May be recovered as a debt from Surveyor in default	11	1
Not to exceed charges for original survey	11	1
Of cost of inquiry or amendment of survey	14	2
<b>Survey—</b>		
Definition of term	1	1
To be to standard measurement of the Department	7	1
Proposed modification, to be reported to District Surveyor	72	5
Date of, to be given in field notes	25	2
Initial line and azimuth to be clearly indicated in field notes	26	2
Must be performed under Regulations	2	1
If erroneous may be rejected	11	1
If faulty, fine may be imposed	13	1
If erroneous or incomplete may lead to cessation of employment	15	2
Magnetic variation to be determined. [Appendix B]	53	4
Near trigonometrical station, bearings to be observed	63	4
Of isolated portions	66	4
Limit of error allowed in	67, 68	4, 5
Use of broad arrow	104	7
For special purpose—Particulars to be given on plan	181	12
Plans to be sent in as soon as possible after	186	12
Mode of remuneration for	221	15
<b>Surveyor-General—</b>		
Definition of term	1	1
Authority to issue instructions	2	1
Decision of, on questions under Regulations to be final	17	2
<b>Surveyor—</b>		
Definition of term	1	1
To provide himself with equipment. [Appendix A]	4	1
To obtain necessary Acts of Parliament, &c.	4	1
Not to employ a deputy	6	1
To keep a steel or invar band as a standard	7	1
To furnish progress report monthly. [Appendix K]	8	1
To notify District Surveyor of proposed absence from district	9	1
Not to apply for land unless sanctioned by Minister	10	1
To give immediate attention to memoranda re errors or omissions	14	2
To notify owner or occupier of alienated land before entry on	16	2
To report destruction of survey marks	137, 138	9
To be allowed mileage rate whilst travelling with camp	236	10
To have bank account	247	17
To be informed of alterations in accounts	254	17
<b>Swamps—</b>		
Measurement of portions fronting	55	4
To be shown on plans	165	11
<b>Tenement within a portion to be shown on plan</b>	171	11
<b>Territorial Surveys—Scale for plans of</b>	174	10
<b>Tidal waters—Measurement of lands fronting. [Appendix C]</b>	56	4
<b>Topographical surveys—Directions for carrying out. [Appendices P, P]</b>	87	6
<b>Town allotments—</b>		
Not to exceed $\frac{1}{2}$ acre, on proclaimed gold or mineral field $\frac{1}{2}$ acre	38	3
Marking of. [Appendix T]	107 to 111	7, 8
Accounts for survey of, to be subject to 10 per cent. decrease	225	16
Scale for plotting	149	10
<b>Town sections—Payment for marking of corners</b>	223	15, 16
<b>Tracks to be indicated on road plans</b>	166, 193	11, 13
<b>Travelling—With camp and equipment—Allowance for</b>	236	10
<b>Traverses—</b>		
Offsets from lines of	59	4
For feature surveys	85	6
Method of indicating lines on plan	157	10
<b>Trigonometrical connections—</b>		
To be traversed as directed in instructions	88	6
Bearings to be determined by included angles	89	6
To a portion, one side to be re-traced	90	6
Bearings of circumjacent trigonometrical stations to be observed	91	6
Formula for determining differences of azimuth with trigonometrical survey	92	6
Base of triangle may be used	93	6
Plan to be 20 chains to an inch	94	6
<b>Trigonometrical stations—</b>		
Sites to be reserved for	50, 71	3, 5
Bearings to be observed to	63	4
Position of, to be shown on plans	163	11
<b>Tube mark—To prepare, for special marking</b>	131	9
<b>Watercourses—</b>		
To be noted in field notes	33	2
Survey of portions fronting	39, 55	3, 4
To be indicated on plans	163	11
Remuneration for survey of	226	16
<b>Water races—Reserves for</b>	51	3
<b>Water supply—Reserves for</b>	49, 71	3, 5
<b>Wharves—Reserves for sites for</b>	49	3

NEW SOUTH WALES

Regulations for the Employment of Surveyors by the  
Department of Lands  
LIST OF APPENDICES

Appendix.	Subject.	Page.
	Instruments required by a Surveyor ... ..	19
A	Observations for Latitude and Meridian ... ..	19
B	Determination of Mean High Water and the Rise and Fall of the Tide ... ..	19-20
C	Instructions for Alignment of Streets ... ..	20
D	Instructions for Survey of a General Cemetery ... ..	20-21
E	Protection of Government Survey Marks ... ..	21
F	Form for Computation of Areas ... ..	21
G	Report Form L.L.B. 78 ... ..	22
H	Account Form, with Diagram—C.P., C.L., or Ain. ... ..	23-27
Ia	Account Form with Diagram—Town Allotments ... ..	28-32
Ib	Account Form, with Diagram—Subdivision of Measured Portions ... ..	33-37
Ic	Account Form B—Specimen Copy ... ..	38-39
Id	Authorised Abbreviation of Words on Maps ... ..	40
J	Form of Monthly Progress Journal ... ..	41
K	Form for Return of Fencing ... ..	42
L	Schedule of Proposed Resumptions—Public Roads Act, 1902 ... ..	43
M	Schedule of proposed resumptions and Withdrawals and Roads to be Closed ... ..	44-45
N	Permission of Owner to Resumption of Land for Road ... ..	46
O	Directions for Topographical Surveys with Specimen Plan ... ..	46-47
P, P <sup>1</sup>	Certificate of Survey of land under Real Property Act ... ..	47
Q	Specimen Plan—Road Survey ... ..	49
R	Specimen Plan and Diagram—Alignment Surveys ... ..	50
S	Diagrams Illustrating Marking ... ..	51
T	Diagram showing Distinguishing Boundaries ... ..	52
U	List of Letters Significant of Holdings and Reserves ... ..	53
V	Specimen Letter Form—Conditional Purchase ... ..	54
Wa	Specimen Letter Form—Alienation ... ..	55
Wb	Specimen Letter Form—Conditional Lease ... ..	56-57
Wc	Specimen Letter Form—Improvement Purchase ... ..	58-59
Wd	Specimen Letter Form—Report on Improvement Purchase ... ..	60-61
We	Designs for General Cemeteries ... ..	62
X	Specimen Plan of Portion Survey ... ..	63
Y	Specimen Plan for Real Property Act Survey ... ..	64
Z	Specimen Plan of Connection Survey ... ..	65
Za	Specimen Plan of Country Portions ... ..	66
Zb		

This document has been scanned and corrected. It may have been superseded in this time of publication but may have been superseded.

## NEW SOUTH WALES.

## Regulations for the Employment of Surveyors by the Department of Lands.

1. In these Regulations the word "Surveyor" shall mean any person duly licensed as a surveyor of the State of New South Wales. The expressions "Surveyor-General" and "District Surveyor" shall mean respectively those officers of the Department of Lands. The word "portion" shall mean an area of land measured under authority and numbered as of a parish. The term "survey" shall include, beside measurement and marking, the drawing of the plan, preparation of the letter transmitting same, and of reports and schedules on approved forms.

2. All surveys and duties shall be performed under these Regulations, upon instructions issued by the Surveyor-General, or a District Surveyor, or an officer specially authorised by the Surveyor-General.

3. All official correspondence, reports, plans, and accounts shall be transmitted to the District Surveyor.

4. A Surveyor shall provide for himself the surveying instruments mentioned in Appendix A; also the necessary equipment and labour, copies of plans of adjacent surveys, Acts of Parliament, and all other information requisite for the proper performance of the service entrusted to him.

5. All instructions shall be acted on promptly, and as far as practicable in due order of sequence; neglect in this respect may lead to stoppage of advances on account, or withdrawal of instructions.

6. Measurement by deputy, signing the declaration on plan or account in cases where survey or amendment of survey or inspection has not been performed by the Surveyor duly authorised, or accepting other remuneration than payment by the Department for services performed under these Regulations, are strictly prohibited, and will lead to cessation of employment of the Surveyor thus offending.

7. A theodolite with not less than 5-inch plates shall be used in all surveys, unless the District Surveyor authorises in writing the use of some other instrument. All instruments shall be subject to the approval of the District Surveyor. All measurements of lengths shall be to the standard kept by the Lands Department of New South Wales. Every Surveyor shall keep a steel or invar band to be used solely as a standard, and it shall be tested at such times as the District Surveyor may direct.

8. The Surveyor shall for each calendar month compile a progress report on the approved form, and shall transmit the same to the District Surveyor under whom he may be employed on or before the third day of the following month. (Appendix K.)

9. Sufficient notice of any proposed absence from district, its probable duration, and the Surveyor's address during period of absence are to be given to the District Surveyor, so that approval or otherwise may be intimated. Neglect in this respect will jeopardise further employment.

10. The employment of a Surveyor is held to preclude him from applying for any holding under the Crown Lands Acts, unless with the sanction of the Minister.

11. Surveys found to be erroneous, or surveys in contravention of the Land Acts, or surveys not in accordance with these Regulations, may be rejected by the Surveyor-General or District Surveyor, and the charges for the same may be disallowed; or, if such charges have been paid, the amount thereof may be surcharged against any moneys which may be due or may become due, or may be recovered as a debt from the Surveyor in default; or, if another Surveyor be employed to amend or remeasure, then the cost of his services (but not exceeding the charges for the original survey) may be surcharged to the account of the Surveyor in default, or may be recovered from him as a debt.

12. When a survey is rejected for any of the before-mentioned causes, the marking shall be effaced by the Surveyor in default if so directed. A plan may be rejected, on account of erroneous survey, defective drawing, or other sufficient reason. A rejected plan will not be returned to the Surveyor, neither shall payment for the same be allowed.

13. Under certain circumstances, e.g., when there has been failure to complete a survey in accordance with these Regulations, or when a plan has been inaccurately or badly drawn, or an area has been incorrectly computed, and it may not be expedient to reject the survey or plan, a discount, to be approved by the Minister, which shall not exceed 25 per cent. on the authorised charges for the service, may be imposed to cover the cost of professional labour involved in examination and amendment; or, in event of the charges for the imperfect service having been paid, such discount may be surcharged to the account of the Surveyor in default, or may be recovered from him as a debt.

Memorandum  
re defects.

14. Memorandum re errors or omissions in connection with any service must meet with immediate attention and reply by the Surveyor; if unanswered for a period exceeding one month it shall be competent for the Surveyor-General or District Surveyor to cause inquiry or amendment of survey, the cost of which may be surcharged to the Surveyor's account.

Unsatisfactory  
service will lead  
to cessation of  
employment or  
stoppage of  
advances.  
Entry on  
alienated lands.

15. Erroneous or incomplete surveys or failure to comply with these Regulations shall be held to be a sufficient cause for cessation of employment of the Surveyor or the stoppage of advances on accounts.

16. Attention is directed to the propriety of giving reasonable notice to the owner or occupier of alienated land before entry thereon in connection with any survey under these regulations.

Practice to be  
decided by the  
Surveyor-  
General.

17. The decision of the Surveyor-General on all questions arising under these Regulations or in connection with the practice of the Department shall be final.

## SURVEY AND MEASUREMENT.

### FIELD-NOTES OF SURVEY.

18. Field-notes shall be recorded on standard double sheets of paper supplied by the Department. The sheets are not to be cut.

19. Class of survey and particulars thereof must be recorded at the beginning of the field-notes, and the date of completion, together with a certificate in the following terms, must be entered at the end of the field-notes and subscribed by the Surveyor:—

This is to certify that the field-notes herein contained are the actual results of my observations and measurements in the field.

Licensed Surveyor.

20. The field-notes of each survey shall be sent to the District Surveyor with the plan, &c., to which they refer.

21. As the field-notes are the primary record of survey, are accepted as evidence in a Court of Law, and are for Departmental reference, it is of importance that they should be precise and complete, and kept in a neat and professional manner.

22. A diagram shall be provided in field-notes to illustrate same.

23. Field-notes shall contain the notes actually taken in the field, not copies merely, and it is desirable that they shall be recorded in ink.

24. In the event of alteration of a mistake, there should be no erasure; but the erroneous entry should be neatly struck through, and the correction written above.

25. Date of survey, portion No., parish, county, applicant's name, and purpose of survey; registration Nos. (*e.g.*, for conditional purchase, homestead lease, special lease, &c.), shall be first entered in each case; and the number and date of letter transmitting plan shall be added in due course.

26. The initial line of every survey and azimuth adopted shall be clearly indicated.

27. Bearings shall be clearly shown, with particulars of repetition of angles.

28. Length shall be entered as read, corrections for hypotenusal measurement and temperature shall be noted, and the lengths deduced therefrom shall be distinctly indicated.

29. Whenever there may be a close, in the measurement of an area, or in a feature survey, or road survey, the closing angle shall be observed and noted.

30. References to corner trees may either be shewn on diagram or in tabular form referred to in diagram by alphabetical letters.

31. Features shall be shewn comprehensively, so that a draftsman may be enabled to represent the general aspect of the country.

32. On measured lines, the intersections of watercourses, summits of ranges, other natural features, fences, &c., &c., shall be correctly noted; lines reclaimed shall be so specified. Position and state of preservation of old marks shall be carefully noted.

33. Intersections, offsets, and widths of watercourses shall be shewn in the traverse of features. It is not sufficient to draw them without noting distances.

34. The positions of improvements shall be clearly indicated; particulars of ownership, description, and value shall be entered, and also the dates when the improvements were effected.

35. Full particulars shall be stated as to the character of soil and timber, grazing or agricultural capabilities, water supply, and the geological formation of the country.

36. The Surveyor shall take such notes whilst in the field as will enable him in his letter transmitting the plan to report precisely in any case what natural boundaries or parts thereof might be exempted from the condition of fencing, or admit of give-and-take fence.

37. Notes shall be made of the estimated capital and rental values of land. These may be especially useful to the Surveyor when called upon to give evidence in Court.

TOWN AND SUBURBAN LANDS.

38. Town allotments shall not exceed 1 acre each, and on a proclaimed Gold or Mineral Field 1/2 acre. Streets shall not be less than 100 links wide, and as a general rule shall be 150 links. Lanes shall not be less than 20 feet wide, and as a general rule shall be 31 links. A suburban portion, when measured for auction sale, shall not exceed 20 acres.

Town allotments—area of. Width of streets. Width of lanes. Suburban portions—area.

COUNTRY LANDS.

39. In the measurement of a portion fronting a watercourse, the boundary of the area shall be as nearly as practicable the fair limit of the channel, excluding from the area shingle beds and all lands embraced within the ordinary bed of the watercourse. When the bank at a corner is liable to erosion the corner stake should be placed on the boundary a short distance back from the bank, but in such a case the distance therefrom to the fair limit of the channel shall be stated.

Fronting water-courses.

40. Where there is doubt as to whether a portion should be measured with frontage, reference should be made to the District Surveyor, upon whose instructions survey shall proceed.

Frontage—doubt as to what may constitute.

41. The principle laid down in the Crown Lands Act in reference to conditional purchases that all such measurements having boundaries other than frontages shall be directed to the cardinal points shall be followed as far as practicable. A Surveyor must therefore keep the magnetic needle of the instrument in correct adjustment. Where a new measurement adjoins an older measurement, the meridian of the latter shall be adopted, where the magnetic readings differ less than 30 minutes, unless the District Surveyor directs the adoption of the meridian of an adjacent survey, or a meridian stated relatively to the true north.

Directions of boundaries to cardinal points.

42. Where part of a boundary, or parts of boundaries, may be inaccessible, a connecting traverse is to be made between the extremities of the measured parts, and at such extremities stakes are to be inserted, and their positions determined relatively to reference trees marked with the broad-arrow. The unmeasured parts shall be delineated upon the plan by broken lines.

Inaccessible boundary.

43. Where there is a cliff which forms a natural barrier, the boundary of the portion shall be defined by right lines approximately following the cliff.

Cliff forming a natural barrier.

44. For the purposes of intercommunication or access to water supply, roads shall be provided in the most suitable positions. Such roads may be of various widths, according to the conditions of the ground and the circumstances of traffic, and shall not be less than 100 nor more than 300 links wide, unless otherwise directed. A road must be provided to every portion or member of a series of a holding, or where necessary to any reservation or authorised mining occupation with the exception mentioned in the next succeeding paragraph.

Roads for inter-communication.

45. In the measurement of a Crown Lease the survey or marking of boundaries of any lands occupied under Miners Rights is not required, nor are access roads to be specially provided. The approximate positions of such occupations are to be indicated on plan; particulars afforded and areas excluded from the area of the Crown Lease.

Miners Rights within Crown Leases.

46. As a rule, a diagram showing the figure of the area to be measured will be annexed to the instruction. Upon this diagram roads for reservation may be delineated, but such are to be regarded merely as indicating probable local requirements. The Surveyor shall select the most suitable positions for roads.

Form of diagram measurement.

47. As far as possible, roads should form boundaries of portions to be measured, i.e., an area may be modified in form so that the road in the most desirable position shall be a boundary; where the reservation of a road through a portion may be unavoidable the Surveyor shall survey and mark the same on both sides, unless otherwise directed. [See paragraphs 122, 125.]

Reservation of a road.

48. At the crossing of a river, creek, or gully, the road shall be provided of such extra width as may be requisite to enable the formation of the best causeway, or construction of a bridge in the best position. (Especial care should be taken in this matter, where a ford is liable to alteration of site by flood.) This rule will also apply to providing ample and convenient access to water, or to landing-places on navigable rivers.

Roads at fords and crossings.

49. In the subdivision of land, in view of future settlement, the Surveyor should exercise judgment in selecting and recommending for reservation, permanent waterholes, springs, and parts of watercourses desirable for water supply, which may be necessary for the beneficial occupation of the surrounding country; also sites for quarries, wharves, and other public purposes, with sufficient access thereto.

Water supply, &c.—Reservation for.

50. The Surveyor shall recommend for reservation suitable areas covering prominent points which may hereafter be useful in the trigonometrical survey of the country, whenever in the course of his duties the necessity for such reservations may present itself; such recommendation to be forwarded to the District Surveyor without delay.

Trigonometrical stations—Sites to be reserved.

51. The position of a water-race intersecting a portion shall be defined by traverse, and there shall be a reservation to a width of 10 feet on each side; where the cutting exceeds 10 feet in depth or a tunnel is constructed the width shall be 20 feet on each side (Regulation 47, Mining Act, 1906).

Water-races to be reserved.

52. All drains legally constructed shall also be traversed unless otherwise directed, in order that reservations may be made to protect same.

Reserves to protect drains.

- Magnetic variation to be determined.
53. The District Surveyor may require the magnetic variation of the survey to be determined by solar or stellar observations, the particulars of which shall be recorded on the plan, in the approved form. [Appendix B.]
- Comparison of azimuth.
54. Comparison of azimuth is sometimes needed, *e.g.*, by noting the direction of a boundary intersecting the traverse of a road or other survey, when a connection to a corner is not requisite; or in a connection by traverse to the corner of a portion where the bearing of a boundary should be noted. The latter service is distinct from a connection along a boundary to a corner, which of itself determines azimuth, and will be paid for at connection rates.
- Lakes, lagoons, &c.,—portions bordering on.
55. Portions shall not be measured with frontage to lakes, lagoons, ill-defined watercourses, and swamps; the boundaries bordering thereon shall be defined by right lines.
- Tidal waters—Portions bordering on.
56. Land covered by tidal waters cannot be alienated below high-water mark, unless under special conditions as prescribed by law. High-water mark shall be defined as the mean high-tide mark between high-water spring and high-water neap tides. Attention is directed to Appendix C. When the conditions are favourable, a road may be provided approximately along high-water mark, to form the boundary of a portion.
- Parish—formal numbering portions therein.
- Connections for description.
57. All portions shall be numbered as of a parish, and the number to be used will be specified in the instructions for survey.
58. In order that each portion may be definitely described in a Grant, it is necessary to connect it with some previous survey; where there is no considerable difference in distance, connection shall be made with the nearest measured portion in preference to feature or road surveys. This azimuth of the survey connected with shall be observed and noted on plan.
- Offsets.
59. Offsets from traverse lines to fix the positions of rivers, watercourses, &c., shall not exceed 150 links in surveys of country portions, or 75 links in suburban portions.
- Land held under Mining Act.
60. Land under lease or lawful occupation for mining purposes, and lands of which a lease under any Act in force for the time being relating to mining has been applied for, shall not be measured for alienation except on application under section 62 of the Crown Lands Consolidation Act of 1913. Any instruction which cannot be completed for this reason shall be returned as quickly as possible under report. If there be any modification as to form of measurement to avoid interference with mining occupation, full explanation should be afforded in the letter reporting survey.
- Subdivision of measured portions, and connections.
61. No measured allotment or portion shall be subdivided or encroached upon without specific instructions to that effect.
62. In subdivision of a measured portion, connections along boundaries are required from the extremities of the dividing line to the nearest points established in the former survey. The other boundaries of the original portion should be remeasured only when the subdividing line does not with the original survey close within twice the limit of error allowed by paragraph 63; and such connections and remeasurement shall include remarking.
- Bearings to trigonometrical stations to be observed.
- Connections across a water-course.
63. In all surveys within view of trigonometrical stations, bearings shall be observed thereto, and the particulars shall be recorded upon the plan.
- Connection with other marked boundaries.
64. In the measurement of portions separated by a river or creek from other portions, connection shall be made between them at convenient intervals.
- Bearings to distant objects.
65. Whenever a portion is measured within a few chains of any previous survey a connection shall be made to a corner or some other defined point thereof.
66. When an isolated portion is measured, bearings should be observed from one or more corners or defined points to prominent hills or other conspicuous natural features.
- Errors disclosed in measurement.
67. Where, in the measurement of an adjoining portion, an error which would materially affect the area is found in the former measurement, and where the new measurement if proceeded with would preclude the adjustment of the former measurement, the matter should be immediately referred to the District Surveyor, with a report and sketch in illustration, reference being specially made to existing survey marks, if any, also to fences or other improvements on or near the boundary. For the purposes of this Regulation it shall be held that an error which may require this course of action shall mean an error exceeding one half per centum in length, and indicating an excess or deficiency of area to the extent of one per centum. The following cases are those where an adjustment of area may be considered necessary.
- In a freehold portion where the error indicates that the area is *less* than the area stated on the plan.
  - In a conditionally-purchased portion where the nominal area of the whole holding is 40 acres, but the error indicates that the area is *less* than 40 acres.
  - In a conditionally-purchased or conditionally-leased portion where the error indicates that the total area of the holding is *greater* than the maximum area permitted by law.
  - In a conditionally-purchased or conditionally-leased portion where the error indicates that the relative legal proportion of areas has been disturbed.
  - In a homestead selection, settlement lease, or other lease, where the error indicates that the area is *greater* than the area stated on the plan.

68. The accuracy of the survey of each portion shall be tested by latitude and departure, and the close shall be within the following limits of allowable error, viz.:—  
 The sum of the differences of latitude and departure of the perimeter shall not exceed at the rate per mile for boundaries and the parts of boundaries crossing level country 1 link, for undulating country 2 links, and for mountainous country 3 links. The following directions shall apply in deciding the respective classes of country:—

- “Level,” where the slope does not exceed 3 degrees;
- “Undulating,” where the slope ranges from 3 degrees to 10 degrees;
- “Mountainous,” where the slope exceeds 10 degrees.

The abrupt banks of watercourses less than 500 links wide shall not be included in estimating the slopes. The Surveyor shall state on the approved form (paragraph 188) the class of country; and if called upon shall shew data in support thereof.

69. When instructions have been issued for survey of a specific area, there shall be no deficiency in the area measured.

70. The marked starting point, and also any prominent feature, &c., referred to in an application for conditional purchase or conditional lease, shall be indicated on the plan from actual measurement, unless the land has been allotted in a modified or different position from that applied for.

71. Reserves out of areas conditionally purchased may be made for the purposes specified under section 46 of the Crown Lands Consolidation Act, 1913, viz., for necessary roadways, trigonometrical stations, and sites for, and sources of water supply.

72. Any desirable modification of form of measurement shall be reported to the District Surveyor, accompanied by applicant's written consent, if obtainable; but any modification effected without the District Surveyor's approval will be at the risk of the Surveyor.

#### IMPROVEMENT PURCHASES.

73. Within town or suburban limits the form of measurement shall be in accordance with the general design of subdivision; and where modification of the design is found to be desirable, the form of measurement shall be submitted to the District Surveyor.

74. The areas to be measured shall not exceed  $\frac{1}{4}$  acre for town or village lands as defined by section 3, Mining Act, 1906, and 2 acres for other lands.

#### HOMESTEAD SELECTIONS, HOMESTEAD FARMS, AND SUBURBAN HOLDINGS.

75. All the general rules herein contained relating to the conducting and marking of surveys shall be generally adopted in the measurement of homestead selections, homestead farms, and suburban holdings unless otherwise directed. A diagram will accompany the instructions, showing the lines to be measured and marked.

#### LEASES.

76. For survey of boundaries of leases other than conditional leases, conditional purchase leases, and residential leases, special arrangements will be made by the District Surveyor, who will direct what lines are to be measured and marked.

#### ROADS UNDER THE PUBLIC ROADS ACT.

77. In survey of a road, the provisions of the Acts in force and Regulations thereunder, must be strictly observed.

78. The Shire or Municipal Council must be informed of any surveys of proposed roads or streets, and be asked to instruct its officer to meet and confer with the measuring surveyor on the ground, so that the best position of the road or street may be obtained.

79. The intersection by the road of all marked boundaries shall be noted. Wherever practicable, the bearings of such boundaries shall be determined, and, at suitable intervals on the road traverse, connection measured to a corner or other defined point. Termination of the road survey shall be connected with corners of portions or defined points on other surveys. In an estate severed the position of any dwelling-house within 200 yards of the road shall be determined, unless the owner shall have consented to the road. The requisite notes shall be made during survey, to enable the features and improvements to be shewn on the plan as prescribed by Regulations 192 and 196.

80. The customary width for a road through alienated land is 1 chain, but for sufficient reasons this width may be increased or reduced. It is not necessary that roads shall be of uniform width throughout.

#### ALIGNMENT OF STREETS.

81. Survey for alignment of streets shall be performed in accordance with instructions set forth in *Appendices D and S*.

Check closing and allowable error.

Deficiency in area not to be permitted.

Starting point, features, &c.

Reservation out of area purchased.

Modification of form of measurement.

Form of measurement—town and suburban.

Area.

General directions.

Survey of boundaries of Leases.

Survey of road.

Shire or Municipal Council to be informed.

Connection with measured portions.

Width of road.

Alignment of streets.

FEATURE



- FEATURE SURVEYS.**
- General information.** 82. In a feature survey, observations are required such as shall enable comprehensive representation of the character, etc., of the country.
- Bearings to distant objects.** 83. As in a feature survey it is desirable to obtain as much information as possible, the surveyor shall observe bearings to determine the position of hills, opposite banks of watercourses, &c.
- Connection with county and other marked boundaries.** 84. Intersections of land district, county, run or other boundaries, railway and telegraph lines, &c., shall be carefully noted in the course of survey, and connection to some fixed point thereon shall be made, also with any measured portion within reasonable distance, and where practicable comparison of azimuth shall be noted.
- Traverse to follow features, Offsets.** 85. Every traverse shall follow as nearly as possible the features to be surveyed, with a view to accurate delineation on plan. Offsets shall not exceed 150 links.
- Selection of features for connection survey. Direct connection.** 86. In selecting features for a connection survey, preference shall be given—firstly, to watercourses; secondly, to ranges of hills and divisions of watersheds; and lastly to tracks. Where there are no leading features, the connecting survey shall be as direct as possible.
- Topographical surveys.** 87. Topographical surveys shall be made in accordance with special instructions. See Appendices P and P'.

#### TRIGONOMETRICAL CONNECTIONS.

- Trigonometrical Survey connections.** 88. A connection with a trigonometrical station shall be traversed as directed in the instructions, unless found to be impracticable or very difficult, when the surveyor may exercise his judgment in selecting another route to or from the same portion or group of portions.
89. In the connecting traverse, the bearings shall be determined by included angles, to be repeated at least once; and special precaution should be taken to ensure accurate linear measurement.
90. When a connection is made to or from a portion, one side shall be retraced as far as may be necessary to accurately determine the azimuth thereof.
91. At the station pile the bearings of several of the principal circumjacent trigonometrical stations should be observed and the name noted of one or more of them.
92. In order to determine difference in azimuth from the trigonometrical survey, assuming the connecting traverse to be toward the pile, proceed as follows, viz.:—At the last traverse station  $x$ , observe the angle to the mast  $m$ , and measure the distance; also at  $x$  observe the angle to a point  $y$  hereinafter mentioned; from  $m$  measure a convenient length, say 10 or 20 links to a point  $y$  in the direction of one of the distant trigonometrical piles  $k$ , such a one as may be suitable; at  $y$  observe the angle subtended by the trigonometrical pile  $k$  and the traverse station  $x$ . These data will enable the angle subtended at  $m$  by the points  $k$  and  $x$  to be computed. The mast or pile should not be disturbed.
93. When a trigonometrical pile may be very difficult of access, and a connection by traverse might involve unusually costly service, it may occasionally be desirable— if a well-conditioned triangle can be obtained—to utilise a base, from which the position of the trigonometrical station may be computed, and the azimuths compared.
94. The plan shall be drawn to the scale of 20 chains to 1 inch, and in simple style, showing only such boundaries, corners, &c., as are fixed by the connecting traverse, and which can be projected from the field-notes. The features of the country shall be represented as usual. For short connection there is a lithographed plan form, which may be had on requisition.

#### CEMETERIES.

- Cemeteries.** 95. Cemeteries are to be measured and marked in accordance with special instructions as local requirements are found to vary. General directions are afforded in Appendix E.

#### MARKING [GENERAL].

- General directions.** 96. The following directions shall apply to the marking of all boundaries and all measured areas, excepting those hereinafter specified. The District Surveyor, with the approval of the Surveyor-General, may dispense with any form of marking which is not adapted to any particular locality, and substitute any more suitable marking. All marking shall be performed in a permanent manner, and in accordance with the following specification:—
- Stakes.** (a) All stakes shall be of sound, durable hardwood, and shall be split or sawn, as may be directed by the District Surveyor. Stakes at corners, except as prescribed in paragraph 110, and at reference stations, shall be 24 inches long, 4 inches by 4 inches, and 20 inches in the ground. Alignment and direction stakes shall be 18 inches long, not less than 3 inches by 2 inches, and 16 inches in the ground.

(b)

- (b) Reference and corner posts shall be of sound, durable timber, 3 feet 6 inches long, 6 inches square, or 8 inches in diameter, and 24 inches in the ground. Posts.
- In localities where hardwood cannot be obtained, such other timber may be used, and in such form as shall be approved by the District Surveyor. Timber to be used.
97. Separate reference-trees or rocks shall be marked, when available within 200 links of corners and reference stations, by removing a portion of the bark from the side of the tree facing the stake, and on the surface thus exposed or on the rock inscribing a broad-arrow over the parish number or the characters distinctive of the survey. (*Appendix T, diagram No. 1*) Reference trees or rocks.
98. In the subdivision of an alienated measured portion for surrender, where part only is to be surrendered, the dividing line shall be marked in accordance with Regulations 113, 114, and 115, but its terminals are to be marked with stakes inscribed with a broad-arrow only and lockspits. Subdivision of alienated portions.
99. Particulars of all reference trees or rocks, *i.e.*, bearing and distance to the nearest stake of traverse or corner stake, and species of trees and marks thereon, shall be observed and recorded for noting on plan, and such distance shall be horizontal, and the bearing and distance shall be from the broad-arrow to the stake. Reference trees—particulars of.
100. The number of corners shall as a general rule be restricted to four per portion, and placed at angles indicating the four principal changes in course. Additional corners may be marked in similar positions, not within 20 chains of another corner, but payment for such additional corners will be subject to approval of the District Surveyor. Numbers of corners to be marked.
101. When a tree stands on a corner, the bark shall be removed from a suitable part facing a boundary line, and on the surface thus exposed shall be inscribed a broad-arrow over the parish number or numbers; and if the tree exceeds 16 inches in diameter, it shall be marked by four horseshoe marks, two of which shall be in the alignment of the intersecting boundaries and each distinguished by a broad-arrow. (*Appendix T, No. 9*) Tree on corner.
102. Where there is no tree or rock available for reference purposes, a post shall be used at the corner, or reference station, having inscribed thereon a broad-arrow over the distinctive letters or numbers of the reference station or corner. Post where there is no tree.
103. At all stakes, posts, and trees on corners, lockspits, 10 links in length, 1 link in depth and width, and commencing 2 links from the stake, post, or tree, shall be cut in the directions of the lines of the survey. Where the conditions render it desirable, in lieu of lockspits, stones may be packed in the direction of a boundary, or (excepting in town allotments) direction stakes may be placed 20 links distant from the stake, post, or tree. [*See Appendix T, diagram No. 2.*] Lockspits.  
Stones may be packed.  
Direction stakes.
104. All survey marks, *i.e.*, corner-trees, corner-posts and stakes, alignment-stakes, mile-posts, masts, or beacons (but not blazed trees along boundaries), must be marked with a broad-arrow. For town allotments or small suburban portions, and for alignment stakes, the broad-arrow mark may be punched on the peg. All broad-arrows, letters, and numbers on reference trees and posts shall be of the usual form, and not less than 4 inches in height and  $\frac{1}{2}$  inch in depth. Broad-arrow.
105. When it is requisite to mark a station on a track in use for traffic, by inserting a stake or peg, care should be taken that the top shall be flush with the surface of the ground, and there shall be no lockspits. Pegs on track in use.
106. All boundary lines, corner, alignment, reference, and terminal points shall be marked and defined as follows:—

#### TOWN ALLOTMENTS AND SUBURBAN PORTIONS.

107. The building-lines of streets and the side-lines of lanes shall be cleared to a width of not less than 3 feet, by the removal of all scrub and trees of a less diameter than 4 inches. Clearing boundary-lines.
108. All trees along and within 3 feet of a boundary-line shall be marked with the horseshoe mark in the manner prescribed for country portions (paragraph 114). Trees along boundary-lines.
109. Each section corner shall be marked by a split or sawn hardwood stake (paragraph 96) and by lockspits. On a dressed surface of the stake the section number, 3 inches in height, and in ordinary numerals, shall be cut or branded, or painted in black on a white ground, as may be directed; the number of the allotment shall also be marked 2 inches in height, on the section-corner stake. [*See Appendix T, diagrams Nos. 3 and 4.*] Section corner.
110. At each allotment corner a split or sawn hardwood stake, 3 inches by 2 inches, and 20 inches long, shall be sunk 16 inches into the ground, and shall be marked with the allotment numbers in figures 2 inches in height. Lockspits shall also be cut at the corners of allotments, 6 links in length, 1 link in width and depth. [*See Appendix T, diagram No. 5.*] Allotment corner.

**Rock at corner.** 111. If a corner shall be on rock, a hole shall be drilled  $\frac{3}{4}$  inch in diameter and 1 inch deep, and a broad-arrow shall be inscribed, and lines shall be marked with a pick in the direction of the boundaries. The section and allotment numbers shall also be cut on the rock. Where the nature of the rock renders it desirable, the broad-arrow, direction lines, and allotment numbers, may be painted. [See Appendix T, diagram No. 6.]

**Numbering-Suburban portions.** 112. Suburban portions shall be numbered as of the parish and marked in the same manner as country portions; unless where previously designed in sections, when they shall be marked and numbered in the same manner as town allotments.

#### COUNTRY PORTIONS.

**Clearing boundary-lines.** 113. All boundary-lines shall be cleared to a width of not less than 3 feet by the removal of all scrub and trees of a less diameter than 4 inches.

**Trees on or near boundaries.** 114. All trees along boundary-lines, within 3 feet in thickly-wooded country and 5 feet in open forest country, shall be marked with the horseshoe mark, which is to be cut into the wood of the tree on the opposite sides, in the direction of the boundary-line; and those trees which are in the line shall be marked in addition with a smaller horseshoe mark above the other. [See Appendix T, diagram No. 7.]

**Alignment stakes.** 115. Alignment stakes shall be inserted on the boundary at intervals of not more than 10 chains, with lockspits, the object being to provide marks visible one from another; and on boundaries exceeding 120 chains in length there shall be intermediate reference stations at intervals not exceeding 80 chains, which shall be marked for identification in alphabetical sequence. [See Appendix T, diagram No. 8.]

**Reference stations.** 116. When a tree stands on a corner it shall be marked as provided in Regulation 101. [See Appendix T, diagram No. 9.]

**Tree on corner.** 117. Rocks which may be upon a boundary-line shall be marked in suitable places with a pick-line whenever the character of the rock will admit of it; and if a corner of a portion be on a rock, it shall be marked with the parish number, and in the manner specified in paragraph 111. [See Appendix T, diagram No. 10.]

**Rock on boundary or at corner.** 118. When Crown land is to be measured adjoining a previously-defined portion, the marking of the common boundary shall be renewed; where a fence has been erected on the boundary, further alignment stakes and lockspits are not needed.

**Re-marking of boundaries.** The obliteration of marking of a cancelled survey shall be limited to defacement of the corners, the boundaries to be shown on plan by dotted black lines.

**Obliteration of marking.**

#### RESERVE, FEATURE, TERRITORIAL SURVEYS, AND ROADS.

**Reserve.** 119. For a reserve the reference-marks shall bear inscribed the usual letters significant of the purpose of the reservation, e.g., W.R., T.S.R., &c., unless directed to be numbered as a portion. [See Appendix T, diagram No. 11.]

**Feature survey.** 120. At all reference points on feature surveys, special marks, as prescribed by paragraph 126 shall be inserted. At convenient places for the purpose of subsequent comparison of meridian the District Surveyor may require a bearing and distance to be recorded to a mark on any convenient tree or post distant (say) about 5 chains. The mark shall be a copper tack at the apex of a broad-arrow. [See Appendix T, diagram No. 12.]

**County boundaries and connections.** 121. For county boundaries, the reference-marks shall bear inscribed the initial letters of the names of the counties adjoining, over a number in due sequence, as directed. For connection surveys reference-marks shall bear inscribed letters in alphabetical sequence over the last two figures of the year. [Vide Appendix T, diagrams 13 and 14.] The marks shall be distant from each other about one mile.

**Roads.** 122. A road shall be defined on both sides by trees marked in the prescribed manner; and split hardwood stakes, 3 inches square and 21 inches long, 18 inches in the ground, shall be inserted at all angles, and at intervals not exceeding 10 chains, and also at each mile of continuous measurement; there shall be lockspits at stakes on the side measured.

**Miles to be marked on tree or post.** 123. Unless directed to the contrary, at each mile the nearest tree shall be marked, or in the absence of a tree within a reasonable distance, a reference post shall be used instead of a stake, bearing inscribed letters in alphabetical sequence over the two last figures of current year. [See Appendix T, diagram No. 15.] The particulars of bearing and distance from the marked tree to the mile-stake shall be observed and noted for reference as prescribed. [See paragraph 99.]

**Corner-post of fence.** 124. When a fence is coincident with one side of a road, the corner-posts shall be marked with a broad-arrow over the letters R.D. [See Appendix T, diagram No. 15.]

**Reserved road.** 125. A reserved road through a portion shall be defined in the manner specified (paragraph 122), and stakes with lockspits shall be inserted at the points of intersection with the boundaries.

## SPECIAL MARKS.

126. In addition to the marking hereinbefore prescribed, it is required that there shall be occasional special marks, which may be capable of identification when, in the course of time, the ordinary marks by stakes, lockspits, and trees, may have decayed or may have been destroyed in process of settlement.

127. The character of such special marking must, to some extent, depend upon surrounding conditions, e.g., in a country where there may be rocks, it would be sufficient to insert metal plugs in suitable places; where there are no rocks a quart bottle filled with a mixture of sand and cement, or a piece of galvanised-iron tube would be suitable.

128. The metal plug for insertion in rock shall be of round copper or Muntz metal rod, not less than  $\frac{3}{4}$ -inch diameter, and not less than 3 inches long; and there shall be a deeply-inscribed broad-arrow, 4 inches long, with its apex very near to the plug; and the plug should be fixed in position by melted sulphur, the top being (say)  $\frac{1}{2}$  inch below the surface of the rock.

129. To fix a plug in rock—A hole is to be drilled somewhat deeper than the length, and about double the diameter of the plug. Melt sulphur in an iron vessel (an iron ladle with a long handle is best), and when the surface of the sulphur appears brown, add a like quantity of clean, sharp, dry sand; stir, and pour round the plug. The mixture sets quickly.

130. For bottle marks mix clean, sharp sand and Portland cement in the proportion of 3 to 1, with sufficient water to make a good mortar; fill the bottle with same, and place it vertically, top upwards, 1 foot below the surface of the ground.

131. The galvanised-iron tube shall be of the sort ordinarily used for water supply, the rim to be not less than  $\frac{1}{4}$  inch thick, the piece to be 1 foot long, and to be inserted vertically, with the top 1 foot below the surface of the ground.

132. In road survey it is desirable that these marks be inserted in the alignment at suitable points about half a mile apart; they shall be on the same side of the road, and distant 5 links from a station or an alignment stake, and in the same direction therefrom relatively to a terminal of the survey.

133. In subdivision of Crown land, the selection of positions for special marks must be left largely to the discretion of the Surveyor, who in the process of measurement will become acquainted with conditions of the ground. It may be pointed out that it would be an advantage to have intervisible points suitably placed for reference on one boundary, so as to facilitate comparison of azimuth.

134. In feature survey, the special mark shall be placed at a station where there is a reference-tree. In the marking of any survey, rock marks are to be preferred.

135. On the plan, the station or corner nearest to which the special mark is inserted, shall be indicated by two concentric circles, and amongst the notes on plan there shall be particulars.

136. Marks for the surveys mentioned in paragraphs 132 and 133 will be inserted only under specific directions from the District Surveyor.

## REPORTING WILFUL DESTRUCTION OF A GOVERNMENT SURVEY MARK.

137. It is desirable to report any case of wilful destruction of a survey mark, when it may come under notice, and when the circumstances admit of prosecution of the offence under the Survey Marks Act, No. 56, 1902. [See Appendix F.] The particulars required to enable successful prosecution are the full names and place of residence of the person offending; the place; the date of offence; the names of any witness and residence; the specific mark destroyed; the name of the surveyor by whom the mark was made for the purpose of Government survey—for there must be identification of the survey mark; and the names and designation of any official in the locality to whom it might be convenient to entrust the prosecution, e.g., Senior Police Officer or Crown Lands Bailiff, &c.

138. It is very desirable that any well-authenticated case be made the subject of immediate report to the District Surveyor, with a view to prosecution; steps being thus taken for protection of survey marks, the mischievous destruction of which causes much inconvenience and loss of time.

## DRAWING.

## GENERAL DIRECTIONS.

139. The best mounted hand-made drawing paper shall be used for all plans.

140. Plans shall be drawn on paper of the following sizes, viz., foolscap page, single, double, or quadruple foolscap sheet; and the paper shall not exceed the size requisite for the survey, allowing ample vacant space for notations as to sales, issue of deeds, reservations, &c. It may be mentioned that much inconvenience is caused through insufficient space for notations. The size of roll plans shall be restricted to limits prescribed by the postal regulations.

Special marks.

Description of

Copper plug.

To fix plug.

Bottle mark.

Tube mark.

Positions of marks for road survey.

For country portion.

For feature survey.

Mode of indicating special mark on plan.

To be inserted under special directions.

Survey marks—Protection of.

Paper—Quality of.

Sizes of plans.

Photo-lithography—drawing for.	141. Plans of town and suburban lands, and of country lands measured under certain conditions, may be required to be drawn for photo-lithography.
Portions on plan.	142. A plan ordinarily shall not represent more than one portion; but for special reasons and with authority obtained the number may be increased.
Transmission of plans.	143. Plans shall not be folded for transmission through the post, but shall be rolled on rollers, or otherwise protected from damage. Should a plan be damaged through want of proper care in transmission, the Surveyor will be required to furnish a duplicate at his own cost.
Plan to be correctly and carefully drawn.	144. A plan shall be accurately plotted, and if, upon inspection, found to be incomplete, faulty, or not up to the standard of professional work, it may be rejected.
Bearings to magnetic meridian.	145. The bearings of all boundaries, traverses, &c., shall be stated relatively to the local magnetic meridian, or to that of adjacent survey when the azimuth of a previous survey is adopted.
Position of plot.	146. Unless there is sufficient reason to the contrary, plans shall be plotted and shall read with the north point upwards.
North point.	147. The magnetic north shall be shown on every plan, and where the true meridian has been determined, the magnetic variation shall be stated. The particulars of observation shall be recorded in tabular form.
Scale to be drawn.	148. On a plan of an extensive survey the scale should be drawn during plotting, and should not be less than 12 inches in length; the scale of the plan should also, in every instance be stated in writing, except when drawn for photo-lithography.
Scale—for town allotments.	149. Plans of town allotments are usually to be plotted to the scale of 4 chains to 1 inch; but in cases where the allotments may be so small as to render representation on that scale indistinct a larger scale may be used by direction of the District Surveyor. Where the allotments are to be sold by the foot frontage, the plan shall be drawn to a scale of feet, and the lengths stated accordingly. In the subdivision of a town or suburban allotment a plan of each part is to be furnished.
Scale—for suburban portions.	150. Plans of suburban portions are usually to be plotted to the scale of 8 chains to 1 inch; but the scale may be varied by direction of the District Surveyor.
Scale—for country portions.	151. Plans of country portions of 1,920 acres or less shall be drawn to the scale of 20 chains to 1 inch; for portions above that area, to the scale of 40 chains to 1 inch. When the form of an area less than 1,920 acres is such that the plan will be of inconvenient size, the smaller scale may be used.
Plan of lease—scale of.	152. The plan of any lease shall be drawn to the scale prescribed for the class of land to which it belongs, <i>e.g.</i> , town, suburban, or country, but the scale may be increased where requisite.
Plans—Real Property Act surveys.	153. Plans of surveys for the purpose of the Real Property Act shall be drawn on the authorised form ( <i>Appendix Z</i> ). A tracing, being an exact copy of the plan, shall be furnished on the authorised form. The certificate of survey shall be signed on plan and tracing. A certificate as to encroachment, &c., shall also be furnished on the approved form. ( <i>Appendix Q</i> .)
Scale—for feature surveys.	154. The scale to be used for feature and territorial surveys shall be 20 chains to 1 inch, unless otherwise directed.
Boundaries of portions.	155. Boundaries of portions and allotments shall be shown by firm black lines; and the bearings and lengths of all boundary lines shall be distinctly written along them in black.
Bearings—how to be noted.	156. All bearings shall be recorded in degrees and minutes from north round by east to 360 degrees.
Traverse lines.	157. Traverse lines of surveys other than boundaries shall be numbered and drawn in blue colour (except for roads); and the bearings of lines and their lengths are to be written in black in tabular form on the plan.
Tinting and edging.	158. The portion or portions represented by the plan shall be tinted; and, in addition, edging shall be used to define the computed area. The edging shall be applied with a brush.
Colours to be used.	159. The following colours shall be used for illustrating plans unless otherwise directed:— For plans prepared for photo-lithography, a tint and edging of blue. For other plans of areas measured for alienation or lease, a tint and edging of carmine. For public school sites, blue. For reserves and areas to be dedicated, emerald green. For cemetery sites and gold-field boundaries, yellow ochre or Indian yellow. For reserved road or track, burnt sienna. For stations and traverse lines, co-ordinate lines, meridians, direct bearings and distances, bearings to trigonometrical stations and distant points, numbers of traverse lines, and minor connections, blue. For topographical surveys, <i>see Appendix P</i> 1.

160. Bearings to distant or remarkable points, or to opposite sides of rivers, &c., and direct bearings by calculation, shall be delineated in blue broken lines, and the particulars shall be written in like colours. Bearings of lines not chained.
161. Red writing shall not be used on plans except for numbering the road and alignment traverse on road and alignment plans. Red writing not to be used—Exception.
162. All direct bearings and lengths required for describing the relative positions of measured portions shall be calculated and written on the plan. Connections.
163. Lines of coasts, rivers, creeks, &c., shall be shewn, where the position is determined with precision, by black lines, and, where otherwise, by broken black lines. Both sides of a watercourse shall be shewn, and an arrow is to be drawn indicating the direction of the current. Trigonometrical stations shall be shewn when they are upon or adjacent to portions represented on a plan. Physical features, rivers, and creeks.  
Trigonometrical stations.
164. Hills and undulations within scope of the survey shall be carefully represented. Hills.
165. The limits of swamps, forests, plains, lands liable to inundations, &c., shall be carefully represented on the plan. The position and extent of improvements, such as buildings, fences, clearing, ringbarking, &c., on lands measured, shall also be shewn, and particulars stated in a note on the plan. Where a fence is near a boundary, its relative position thereto shall be noted on the plan. Other features, improvements, &c.
166. Roads reserved through portions shall be represented on the plan by black lines, the traversed side being indicated by a firm line, and the opposite side by a broken line. The cosecant distance, and bearing shall be stated when the road is 3 chains wide and over. The width shall be written along the course of the road, thus:—*Reserved road, 1 chain wide.* Tracks shall be represented by brown bands. Reserved roads.
167. When a reserved road intersects a boundary, the distance from the point of intersection to a corner, also secant distance, shall be stated. Connections to roads.
168. All boundaries shall be represented as they are found—*e.g.*, as marked lines, walls, or fences, &c.—any discrepancies being clearly indicated, and explained so far as practicable in the letter transmitting plan. Old boundaries.
169. Particulars of corners and reference marks shall also be indicated as found, *e.g.*, stake found, tree found, &c. The names of grantees, conditional purchasers, or lessees of adjoining portions, with the areas and numbers of the portions or allotments, shall be written in black ink. Old reference marks and particulars.
170. The geological formation of the land measured, its suitability for building, cultivation, agricultural or pastoral occupation, the supply of water, character of timber, herbage, &c., shall be recorded on the plan, either by writing across the portions, or, if found more convenient, in notes. Topographical particulars.
171. On the plan of a portion, any area reserved or held under authorised occupation within the ambit of such portion shall be properly delineated. Reserve or tenement.
172. All known names of rivers, creeks, hills, lakes, localities, &c., shall be written on the plan, care being taken to ascertain and adhere to the correct orthography. Names of features and localities.
173. In extensive feature survey, the plan shall, for convenience in compilation, be plotted in sheets, and no sheet shall be more than 5 feet long. Meridian lines should be drawn through the stations at which meridian observations have been taken. The angle between the meridian of the traverse and the true meridian at each meridian station shall be stated. Feature surveys—special directions for.
174. On plans of road and feature surveys co-ordinate lines shall be drawn in blue colour at convenient distances (preferably 10 inches apart), and the values of the lines shall be written in the same colour on the margin of the plan. Particulars of traverse, differences of latitude and departure, also co-ordinates, shall be stated in tabular form, the traverse written in black and the other information in pencil. The datum point of co-ordinates shall be such as to preclude minus values. Co-ordinates must be supplied only as regards the terminal points of the traverse, each mile tree or other salient point, and not for each traverse line. Co-ordinate lines.
175. The parish number and area of a portion shall be so written and placed on the plan as to leave sufficient space to clearly set forth particulars of alienation. Parish number to be placed conveniently.
176. Boundaries for territorial divisions, such as county, parish, municipal, and other districts, reserves, &c., shall be represented as shewn upon the table of distinguishing boundaries (*Appendix U*); and where necessary the particulars of the same shall be written in suitable position. Where several of such boundaries may be coincident, the most important one only shall be represented in the conventional manner, but the terms of such common boundaries shall be specified. Distinguishing boundaries.
177. In the measurement of portions for alienation or dedication it is desirable to avoid as far as possible the introduction on the plan of fractions of an inch in town allotments, and fractions of a link in suburban and country portions; and also to avoid quoting seconds of arc in bearings—the object being to simplify the description for grant, Omission of fractional quantities.

grant, i.e., to render it less voluminous. When a road is reserved out of a portion the area shall be specified as "exclusive of road." The following fractional quantities in excess shall be omitted according to the area specified:

In portions of not more than 1 rood .....	Less than $\frac{1}{4}$ perch.
More than 1 rood and not more than 2 acres .....	Less than $\frac{1}{2}$ perch.
More than 2 acres and not more than 10 acres .....	Less than 1 perch.
More than 10 acres and not more than 40 acres.	{ If bounded by right lines... Less than 10 perches.* { If bounded partially by a watercourse... Less than 1 rood.
More than 40 acres and not more than 320 acres.	
More than 320 acres and not more than 640 acres .....	Less than 2 roods.
More than 640 acres .....	Less than 1 acre.

\*Note.—The perches (if any) should be entered as 10, 20 or 30 perches, as the case may be, i.e., units are to be omitted.

In surveys under the Real Property Act for exchange and surrender the areas are to be quoted to the nearest perch.

Reference to corners. 178. The reference to corners of country and suburban portions shall be noted on the plan in the following tabular form, the corners being identified by letters in alphabetical order. Abbreviations, dots, dashes, or the word ditto are not to be used.

Reference to Corners.

Corner.	Bearing.	From	Distance in links.	Number on tree.
A	300°	Bloodwood .....	50	15, 16
B	265° 30'	Iron bark .....	17.5	17
C	.....	Post at corner .....	.....	17
D	71° 45'	Swamp Oak .....	24	17
E	.....	Rock at corner .....	.....	16, 17

Title to plan. 179. The title to the plan shall be written without abbreviations, to explain clearly what the plan is intended to represent, stating the numbers of allotments or portions measured, the town, parish, county, land district, and shire, if within any or all of these.

Particulars under title. 180. The words "applied for by," with the name of the applicant in full, shall be written under the title, and not on the portion itself; and the section of the Act under which the land is applied for shall be stated and also the land agent's registration No. Ample space should be allowed between title and drawing for future notations.

Measurement other than for alienation. 181. Where a measurement is made for a purpose other than alienation, such as special lease, reserve, site for public school, cemetery, &c., the particulars shall be clearly set forth under the title.

Notes on plan. 182. Particulars of situation, e.g., within a pastoral holding (leasehold or resumed area), or within a gold or mineral field, together with the date and number of the letter reporting survey, shall be recorded amongst the notes on the plan.

The term "lot" not to be used. 183. The word "lot," which is specially applied to lots for auction sale, shall not in any case be used on the Surveyor's plan; "allotment" shall be applied to town or suburban allotments in sections, and "portion" to other suburban and country lands.

Certificate by Surveyor. 184. In connection with surveys under the Real Property Act or for the purposes of that Act, a certificate and description to comply with the provisions thereof shall be furnished. [Appendices Q, Z]

Date of Survey. 185. The date of survey in certificate on plan should be the date on which measurement was completed on the ground.

Transmission of amended plan or survey. 186. All plans shall be transmitted as soon as possible after survey.

187. Whenever an amended plan, or plan of an amended survey is transmitted, it should be under cover of a letter, specially stating particulars of original survey. The plan and letter must be headed "Amended Plan," or "Plan of Amended Survey," as the case may be.

Letter with plan. 188. Each plan shall be accompanied by a separate letter reporting full particulars, &c., and therewith shall be transmitted a tabular statement on the approved form, setting forth particulars of the traverse, reduced bearings, and the differences of latitude and departure; and, in the case of a measured portion, the particulars of computation of area shall also be inserted. [Appendix G.]

**Roads.**

Paper, quality. 189. The best mounted drawing paper shall be used for all plans of roads.

Positional plot. 190. The survey shall be plotted on the paper longitudinally in the direction of the road, so as to be confined within convenient limits, with the north upwards.

191. Where the road is under 5 miles in length, measured from end to end in a direct line, the plan shall be plotted to the scale of 10 chains to 1 inch; and when of greater length to the scale of 20 chains to 1 inch; and sometimes when there is little or no topographical detail, and the road is of considerable length, to the scale of 40 chains to 1 inch; but in the last case, and possibly occasionally in the former, diagrams of parts to a larger scale may be requisite, and should be drawn in convenient position on the plan.

Scales.

Diagrams.

192. The road shall be delineated in red colour. The preliminary traverse (if any), measured lengths and bearings for connections, cosecants in roads of 3 chains wide and more, also bearings to trigonometrical stations, widths of roads, and such particulars of mile-posts as may be written along the traverse, shall be drawn and written in blue colour. The boundaries of all alienated land, with all particulars appertaining thereto, all buildings, fences, rivers, watercourses, and other topographical detail, and any roads to be closed or granted in lieu, shall be delineated in black, also any building within 150 links of the road, although the owner may have consented to the road. Doubtful boundaries shall be indicated by black broken lines.

Delineation.

193. Tracks shall be indicated by brown lines. The road to be opened shall be coloured red, and any roads which are to be closed or granted in lieu of that to be opened shall be coloured blue; other roads defined by survey shall be coloured brown. Except for the purposes specified, the colours red, blue, and brown shall not be used on road plans.

Colouring.

194. All writing on road plans shall be black, except as prescribed in paragraphs 159, 160, 161, 174, and 192. Particulars of reference to mile-trees may be supplied in tabular form as for corners. [See paragraph 178.]

Writing.

195. The title of the plan shall express as clearly as possible the description of the road or the land to be resumed for notification in the Gazette. Attention is directed to Appendix R.

Title of plan.

196. A schedule on the approved form shall accompany the plan of a road (except where it is not necessary to resume alienated land), and shall contain complete particulars as to ownership and occupation of land affected, enclosures, &c. Also, wherever it is requisite to remove or re-erect fences, or provide for new fences, a separate return shall be supplied on the approved form. [Appendix L.]

Schedule.

Return of fencing.

197. The plan, schedule, and return of fencing shall be subscribed by the Surveyor, and shall bear the date and number of letter reporting survey.

Plan and return to be signed.

198. Any enclosure severed by a road should, if possible, be delineated in its entirety, so that claims for fencing and severance may be dealt with, but when too extensive to be brought within scope of the survey and plan, particulars shall be afforded in the report. The traverse of fences merely for this purpose is not required.

Enclosure severed by a road.

199. The letter reporting survey shall contain particulars of the character and value of the land to be resumed, and that to be given in lieu, and particulars and value of improvements thereon, the enclosures severed, and their uses, the description of the fencing, and sites for water supply. [See Appendices L, M, N, and R.]

Letter reporting survey.

SPECIMEN PLANS.

200. Attention is directed to the specimen plans, which are illustrative of the foregoing instructions. [Appendices Y, Z, Za, Zb, R, S.]

RULES FOR CORRESPONDENCE.

201. All letters shall be clearly written or typed upon whole sheets of serviceable hand-made foolscap paper, with a third margin, with black ink, and intituled with the subject-matter of survey or report, e.g., "Conditional Purchase," "Roads," "Improvement Lease," &c., &c. The writing shall follow on consecutive pages. [Appendices Wa, b, c, d, e.]

Letter—form of.

202. The particulars should be written briefly at the head of each letter, not encroaching on the margin, a clear space of an inch being left above such heading.

Heading.

203. The Surveyor when transmitting a plan shall report full particulars as to survey, e.g., date, situation, proclaimed division, district, reserve, shire, or mining area.

Particulars of survey.

204. Each letter must be restricted to one subject; and all letters or reports shall be dated and numbered consecutively, as of the year, and addressed to the District Surveyor. Replies to query papers on points of survey and subordinate memoranda should not be numbered as letters. The corners of a paper shall not be turned up for the purpose of writing an explanation or reply; but writing shall be continued in proper sequence.

Subject and number of letter.



- Registration No. of instructions to be quoted. 205. The number and date of any instruction, letter, or B.C. memorandum replied to, with the number of official registration, should invariably be quoted.
- Abbreviations. 206. There shall be no abbreviations used in letters or reports except for quoting the recognised abbreviations for registration. [Appendix I.]
- Envelope to be endorsed. 207. All official letters and packets shall be forwarded under envelope marked "O.H.M.S." bearing the Surveyor's name, designation, and date of despatch on the outside left-hand lower corner.
- Papers to be returned. 208. All original papers forwarded with instructions must be returned under cover of the letter or report dealing with the same.
- Action taken to be endorsed on papers returned. 209. In returning a letter or B.C. memorandum conveying instructions after action has been taken on the same, particulars shall be briefly endorsed by the Surveyor, e.g., "Replied to by my letter, No. 99-5"; "Dealt with by survey under letter 99-6"; "Noted and returned." Papers forwarded under B.C. as an instruction should not be returned until action has been completed.
- B.C.'s to be written consecutively. 210. When returning papers referred for information, or upon which action may have been taken, the B.C. reply shall be written next following the instructions or inquiry. [See paragraph 204.]
- Register of instructions to be kept. 211. A register shall be kept by the Surveyor, setting forth particulars of all instructions received and action taken thereon. Such register will be supplied on application to the District Surveyor, is the property of the Department, shall be kept up to date, and shall be forwarded to the District Surveyor whenever demanded.

## REPORTS.

### ON CROWN LANDS AND SETTLEMENT.

- General information. 212. In a letter reporting on the measurement and occupation of Crown land, unless otherwise directed, full particulars are required as to character of soil, suitability for residential purposes, and value of land, as to access, as to water supply, as to forest, the description of trees, condition of same, and especially whether the trees afford timber suitable for the purposes of construction, or are of commercial value, as to improvements, &c.; proximity to a town, or port, or railway, or main thoroughfare, or school or butter factory, or being on or adjacent to a navigable river or tidal-water which may constitute elements of value. In describing open country, it shall be stated whether naturally clear of timber, or whether trees have been felled and burned, or grubbed, or burnt out after being killed.
- Improvements. 213. The date of erection, value, and reputed ownership of improvements should be ascertained where practicable; full details should be supplied, such as the length, character, and value of each line and class of fencing, where there are various and different classes of fence, or different owners are affected; in the case of netting fences the value of fence without netting and the value as netted should be given separately; the value of a fence for removal purposes when not in a suitable position should also be furnished; the cubic content (in yards) and value of a tank or a dam; the description, depth, and value of wells and appliances; the number of rooms and material used for, and value of any house; extent and value of clearing, ringbarking, &c. The report shall be complete in itself, without recourse being necessary to a plan for any such particulars.
- Feature survey. 214. In a letter reporting feature survey particulars of the physical character of the country shall be afforded.
- Printed forms. 215. The Surveyor shall furnish reports on the printed forms approved by the Department when so directed by the District Surveyor.
- Survey in proclaimed gold or mineral field. 216. When portions are measured in a proclaimed gold or mineral field, a distinct statement to that effect is required. Where any person is in authorised occupation under the Mining Act, the number and date of miner's right, or business license, or mineral lease, or other authentic particulars, shall be furnished. Where priority of occupation is of importance with respect to title, careful inquiry and verification of dates will be needed.
- As to fencing exemptions. 217. Particulars shall be furnished wherever fencing exemptions can be recommended in respect of conditional purchase or other holdings.

### RESERVES.

- Report on reserve. 218. The report shall be comprehensive in its character, setting forth public requirements for the reservation, and specifying the purpose; and all such other information as may be requisite to support the recommendation for, or to warrant the revocation of, a reserve, and a diagram shall be furnished from which a description of the land may be prepared.

ROADS

## ROADS UNDER THE PUBLIC ROADS ACT.

219. When a Surveyor is required to report on an application for a road, he shall carefully inspect the country along the proposed route, and report fully on the points hereunder mentioned, furnishing a sketch in illustration of his report. The first consideration should be public requirements and conditions favourable for traffic; the second, the least possible interference with, or injury to, private property:—

Report on application for road.

- Public requirements.
- Probable traffic.
- Course of the proposed road, width thereof, and alternative routes (if any).
- Ownership and occupation of land affected.
- Character and value of land to be resumed, and land to be given in lieu (if any).
- Damage by severance, or gain by betterment (if any); and resumption of severed land.
- Interference with watering arrangements and sites for water supply.
- Enclosures severed, and their uses.
- Necessity of removing or of erecting new fencing, and cost thereof, and whether public gates may suffice.
- Granting of unnecessary roads or Crown lands by way of compensation.
- Probable claims for compensation.
- Right of user (if any).

## PUBLIC GATES.

220. In dealing with an application for a public gate, the Surveyor shall report full information concerning the points hereunder mentioned; also supply a sketch showing the position of proposed gate, and shall submit his opinion whether permission for such gate should or should not be granted:—

Public gates reports.

- Particulars of road, *e.g.*, description, whether dedicated under the Public Roads Act, or otherwise a thoroughfare.
- Particulars of present traffic.
- Probable future traffic.
- Whether a mail route, and traversed by a mail conveyance.
- Whether the road is under trustees, a Shire or Municipal Council, or in charge of an officer of the Public Works Department.
- Whether there is any other route which would now or at any future time render unnecessary the road under reference.
- Whether applicant is the owner or occupant of land on both sides of the site of the gate applied for; and, if not, the names of the other owners and occupants.
- The character of soil and grade at site of proposed gate, and whether formation of approach is necessary.
- The damage (if any) to proprietary interests by the fencing of road, or the refusal of public gates.
- The description and value of fencing forming the enclosure.
- Any other public gates and their relative positions to each other.
- The width of opening which would be most desirable.

## MODE OF REMUNERATION FOR SURVEY.

221. A Surveyor shall be remunerated for services which he may be authorised to perform according to the Schedule of Prices hereinafter set out, and payment will be made after the service shall have been approved by the Surveyor-General, District Surveyor, or officer duly authorised in that behalf, but an advance not exceeding 75 per cent. of the amount due may be paid before such approval on certificate of the Surveyor-General, District Surveyor, or other duly authorised officer.

## SCHEDULE OF PRICES.

222. For right line boundaries measured and marked, ninepence (9d.) per chain up to 80 chains, and sixpence (6d.) per chain for the remainder, for each portion.

223. For marked new corners of portions and corners of town sections and cemeteries five shillings (5s.) each; for each other corner two shillings and sixpence (2s. 6d.).

For re-marking old corners, &c.:-

- (a) If both the old tree and peg are gone 5s. for marking a new tree with the broad arrow and old numbers and replacing peg.
- (b) If the old tree and the broad arrow and old numbers thereon are in existence but peg gone, 2s. 6d. for the new peg.
- (c) If the peg is in existence, but the old tree is gone, or if the old number or numbers are not visible after removing the superincumbent growth (if any), 2s. 6d. for marking a new tree with the broad arrow and old numbers.

Circumstances to be fully reported in letter transmitting plan.

- 224. For obliteration of corner marking of cancelled portions, 1s. per corner.
- 225. The fees prescribed for survey of town allotments and sections shall be subject to a decrease of ten (10) per centum unless the Surveyor-General or District Surveyor otherwise directs.
- 226. For survey of features, ranges, watercourses, tracks, and coast-line, sixpence (6d.) per chain.
- 227. For connections where there may be no natural features to trace, or along previously marked lines, fourpence halfpenny (4½d.) per chain.
- 228. For roads, railways, and other lands not exceeding 3 chains in width reserved out of portions and marked on both sides, ninepence (9d.) per chain including cosecants.
- 229. For roads, driftways, railways, and other lands exceeding 3 chains in width, reserved out of portions and marked on both sides, sixpence (6d.) per chain on each side.
- 230. For survey of roads under the Public Roads Act, one shilling (1s.) per chain of road, including cosecants.
- 231. For subdivision of a portion. The subdividing line shall be paid for at boundary rates (paragraph 222). Connections and remeasurement as directed by paragraph 62, sixpence (6d.) per chain.
- 232. In respect of adjoining areas the survey to be paid for shall not include lines previously measured by the same Surveyor within two years; but in respect of leases other than conditional leases, conditional purchase leases, and residential leases the survey to be paid for shall not include lines previously measured unless the District Surveyor has directed remeasurement.
- 233. For a comparison of azimuths, ten shillings (10s.).
- 234. For determination of the magnetic variation, £1.
- 235. For a special mark, two shillings and sixpence (2s. 6d.).
- 236. An allowance at the rate of one shilling per mile shall be payable to the Surveyor when travelling with camp equipment and party for the purpose of effecting surveys under these Regulations; such allowance will be payable from a place to be named by the District Surveyor, and from survey to survey. A Surveyor shall so arrange his work as to obviate unnecessary travelling. In all cases where travelling is charged for, full particulars of the route travelled must be stated.

237. The application of the Schedule of Prices is exemplified by diagrams. [Appendices, Ia, Ib, Ic.]

238. For a tracing furnished in terms of paragraph 153 a sum of 10s. 6d. will be allowed.

239. In connection with measurement of country lands, when a report upon form L.L.B. 78 or any approved printed form of similar character shall be specifically directed, there shall be fees payable at the undermentioned rates, except in cases of subdivision, when amended reports may be required at half rates. [Appendix H.]

	£	s.	d.
For an area not exceeding 640 acres . . . . .	0	10	0
For an area over 640 acres and not exceeding 2,560 acres . . . . .	1	0	0
For an area over 2,560 acres and not exceeding 10,240 acres . . . . .	1	10	0

Special remuneration

240. In order to provide adequate remuneration for services to be performed under special or very difficult conditions, an increase to the rates in the Schedule of Prices for services specified in paragraphs 222, 223, 226 to 231 may, on approval of the Minister, be held to apply within specific limits, and such increase may, on like approval, at any time be varied or cancelled. For the items specified in paragraphs 224, 233 to 236 there shall be no increase or decrease on Schedule of Prices.

Special contract.

241. It shall be competent for the Surveyor-General to let by special contract, by or on behalf of the Minister, for a specified sum, or at an increase or decrease upon the Schedule of Prices, surveys such as the division of an area of country into portions, laying out roads, and topographical and other surveys. Payments for inspections and reports may be arranged for at special rates.

Remuneration by daily rate.

242. For services to which the Schedule of Prices may not be applicable, remuneration may be allowed at a rate not exceeding £3 3s. per diem for field service, and not exceeding £2 2s. per diem for office service.

ACCOUNTS.

## ACCOUNTS.

243. Attention must be bestowed on the preparation of accounts, which will not be accepted if vitiated by erasure or interlineation. Printed forms will be supplied on requisition. Preparation of accounts.  
Printed forms.

244. For portion surveys each length charged is to be recorded on fourth page of voucher Form "A." Where a line is divided, part being charged for at one rate and part at another, each part shall be distinguished by a small mark, such as \*. Portion measurement.

245. Accounts for inspections and reports made at time of survey of a portion shall be included in account for such survey, and placed conveniently below local increase item on Account Form "A"; when not made at time of survey, Account Form "B" to be used. (*Appendix Id.*) Reports.

246. Accounts for tracings in terms of paragraph 153 shall be included in account for such survey, and placed conveniently below local increase item on Account Form "A." Tracings—Real Property Act Surveys.

247. All moneys due will be paid into one of the banks in the city of Sydney to the credit of the Surveyor, or of any other person duly authorised by him. A Surveyor will be advised of each payment to his credit at a bank when it is made. Surveyors to have bank account.

248. An authority in general terms in the approved form for payments into a bank shall be duly signed by the Surveyor, and furnished whenever required. Authority for payment to credit required.

249. Upon receipt of an account for service duly certified by the District Surveyor, an advance may be paid not exceeding 75 per cent. on the amount specified as due by that officer. Advance on account.

250. An account shall be rendered for each survey performed, and shall be intitled according to its class of survey, e.g., Roads, Feature Survey, Conditional Purchase, Homestead Selection, Homestead Farm, Crown Lease, &c. Separate account for each class of survey.

251. An account for service to be paid for under the daily rates shall be rendered as may be directed for each special service, and on the printed form provided for that purpose. Such account shall specify full particulars of the service performed, e.g., the time occupied in the service, both field and office severally, the linear measurement or area, &c., and shall be transmitted with the letter reporting service. Account for service at daily rates.

252. The charge for service at daily rates will be subject to consideration, and if in the opinion of the Surveyor-General, upon report of the District Surveyor, the charge is deemed to be excessive for the service performed, it may be reduced. Amount may be reduced.

253. Accounts should be rendered if possible during the financial year in which the service has been performed, or not later than twenty-one days after the close of that period; otherwise delay may occur in payment. Accounts to be rendered during financial year.

254. A Surveyor will be duly advised by the District Surveyor of particulars of alteration made in an account at time of passing the same for settlement; and if he shall disagree with any alteration he may forthwith submit a written protest setting forth his grounds of objection; but no protest shall be entertained unless submitted within one month of his being advised as aforesaid. Surveyor to be advised of alteration of an account.

255. No claim in respect of any correction, reduction, or omission from an account shall be entertained after a lapse of one month from the date of advice of passing the same for settlement. Claims cannot be entertained after one month.

256. The appendices herein mentioned shall be held to be part of these Regulations, and to exemplify their application. Appendices.

## CONTINGENCY.

257. Reference should be made to the District Surveyor as to the course to be pursued in any case not provided for in these Regulations. Contingency.

Submitted,—  
FRED. POATE,  
Surveyor-General.  
2/12/1914.

Approved,—  
J. L. TREFLE,  
Minister for Lands.  
3/12/1914.

213 Attention must be bestowed on the preparation of accounts which will not be accepted if vitiated by mistake or imperfection. Printed forms will be supplied on requisition.

214 For portion surveys each length changed is to be recorded on fourth page of voucher Form "A". Where a line is divided part being charged for as one rate and part at another, each part shall be distinguished by a small mark, such as "

215 Accounts for inspections and repairs made at time of survey of a portion shall be included in account for such survey, and placed conveniently below local increase item on Account Form "A", when not made at time of survey. Account Form "B" to be used. (Appendix Id.)

216 Accounts for tracings in terms of the Regulations shall be included in Account Form "A". All accounts due will be paid into one of the banks in the city of Sydney.

217 Accounts for tracings shall be referred to the Surveyor-General, and shall be referred to the Surveyor-General, District Surveyor, or officer duly authorised for that purpose, of any work done by me as before mentioned shall be a condition precedent to my having any claim or right of action for any money alleged to be due to me for work done under the aforesaid Regulations.

218 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

219 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

220 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

221 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

222 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

223 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

224 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

225 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

226 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

227 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

228 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

229 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

230 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

231 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

232 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

233 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

234 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

235 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

236 The application herein mentioned shall be held to be part of these Regulations and to exemptify their application.

I acknowledge that I have this day received a copy of the foregoing Regulations, and I agree with the Surveyor-General on behalf of the Government of New South Wales, and declare that all work at any time hereafter done by me for the said Government, under instructions from the said Surveyor-General, a District Surveyor, or an officer specially authorised on that behalf by the Surveyor-General, shall and will be done and performed under and in accordance in all things with the said Regulations and of the instructions forwarded to me; that payment for such work is to be made to me at the rates, and at the times, and in manner mentioned in the aforesaid Regulations, whether the aforesaid Regulations are or are not referred to in the instructions from time to time forwarded to me; that in respect of all work done by me I shall not have any claim or demand in respect of any matter or thing not provided for in the aforesaid Regulations; and that the acceptance by the Surveyor-General, District Surveyor, or officer duly authorised for that purpose, of any work done by me as before mentioned shall be a condition precedent to my having any claim or right of action for any money alleged to be due to me for work done under the aforesaid Regulations.

Dated at \_\_\_\_\_ the \_\_\_\_\_ day of \_\_\_\_\_ A.D.

Witness to Signature—  
JAMES POTTER  
Surveyor-General  
2/12/1914

Approved—  
J. L. FRANKLIN  
Minister for Lands  
2/12/1914

in this public domain have been superimposed

APPENDICES.

APPENDIX A. INSTRUMENTS to be Provided by a Surveyor, and to be Subject to Approval.

- One (1) Theodolite, not less than 5 inch plates.
A steel or invar band 66 feet long; a steel or invar band not less than 66 feet long to be kept for adjusting and testing the chain used for measurements.
One set of light steel bands, not less than 500 links long.
All necessary surveying instruments.
All necessary drawing instruments.



APPENDIX B.

LATITUDE OBSERVATIONS.

Table with columns: Station, Date, Star, Obs. Meridian Altitude, Latitude, Mean. Includes data for stations D, A, B, C.

OBSERVATIONS FOR MERIDIAN.

Table with columns: Station, Date, Latitude, Star, Survey bearing at elongation, True bearing at elongation, Variation, Mean. Includes data for stations A, B, C, D.

OBSERVATIONS FOR MERIDIAN.

Table with columns: Station, Date, Latitude, Star, Obs. Alt., Bearing by survey, True bearing, Variation, Mean. Includes data for station 10M.

APPENDIX C.

DETERMINATION OF MEAN HIGH WATER.

There are so many influences tending to disturb the rhythmical flow of the tides that observations extending over at least 12 months are necessary to obtain accurate results...

- (a) the moon with southern declination,
(b) the moon in perigee,
(c) long continued southerly winds,
(d) a very low barometer.

Care must be taken to avoid as far as possible any combination of the above or the opposite conditions.

When Mean High Water is to be fixed on a long flat with gentle slope, more extended observations will be necessary, as a couple of inches in vertical height in such case may mean a difference of many acres of land on a long frontage.

Observations to obtain the value of Mean High Water should never, of course, be taken when fresh water in large quantities is coming down the rivers or creeks flowing into the estuary.

In all estuaries where automatic tide gauges are established, the level of Mean High Water as recorded thereon is to be adopted and the level at which Mean High Water is defined is to be referred to the zero of such gauge and recorded on the plan.

RULE FOR APPROXIMATE DETERMINATION OF MEAN HIGH WATER IN AN ESTUARY WHEN AN AUTOMATIC TIDE GAUGE HAS BEEN ESTABLISHED.

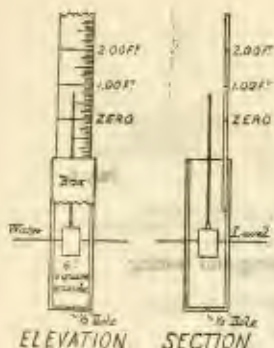
On the same day—As the difference in level between high and low water registered on the automatic tide gauge is to the difference between the same tides at place of observation; so is the difference between high water on the automatic tide gauge and the height of mean tide recorded thereon, to the local difference between observed and mean high water.

After Mean High Water has been determined, a ready method of defining it on the foreshore is to wait until the level of the water coincides with that height and then insert stakes along the contour of the water line.

Part 5c.

Part 5c.

METHOD OF OBSERVING THE RISE AND FALL OF THE TIDE.



A float chamber of galvanized iron or timber about six inches internal diameter (see Sketches in margin), should be erected in at least 18 inches of water at low tide, to which a tide board should be attached as indicated in sketch. A hole not more than half an inch in diameter should be made at the bottom of the float chamber. This will ensure free access of the water while eliminating all wave action. A float, which may conveniently be made of a meat or jam tin, weighted with sand for stability with a light indicator attached to it should be placed in the chamber. As the tide rises and falls this indicates on the tide board the level above zero. A drop of grease in the float chamber will enable the surveyor to ascertain the water level on the float with accuracy.

APPENDIX D.

ALIGNMENT OF STREETS.

Par. 81.

Power to align streets.

Width of carriageways and footways.

Plans and descriptions of grants and subdivisions to be perused.

Connection to Trig. Station.

Kerb lines.

Encroachments.

Connections at intersections of streets.

Marking of alignment surveys.

Where marking unnecessary.

Measurement and marking in curved streets.

Material used in marking.

Surveyor responsible for marking.

Drawing of plan, colours to be used.

Tinting of buildings. Schedule of streets.

Boundaries of grants and private subdivisions.

Owners of buildings encroaching.

Permanent structures.

Field Notes.

Information regarded as necessary.

1. The setting out and defining of carriage ways and of footways in streets and public places, commonly known as alignment, is carried out by Lands Department on behalf of Municipal and Shire Councils, under Sections 27 and 28, "Public Roads Act, 1902," and in accordance with the provisions of Section 95 (1)(d) Local Government Act, No. 56, 1906.

2. The carriageway in a street 66 feet wide shall, as a rule, be 42 feet and the footways 12 feet on each side. These may, however, be increased or decreased according to the breadth of a street, and the requirements of a Council. If the street be not parallel, the carriageway only should be left of even width, unless circumstances warrant both the carriageway and footways being so treated.

3. Full information respecting holdings abutting on the streets should be obtained—plans of original surveys and subdivisions should be inspected, and perusals made of the descriptions of grants and deeds of conveyance of adjoining lands, in order to ascertain the original intention with respect to the location of the streets. If it is found that the position of any street as defined on the ground is not in accord with such documentary evidence, such street should be located as nearly as possible in the position originally assigned to it, having due regard to the occupations adjoining it, and also to avoid unnecessary interference with vested interests. The original width should always be adhered to, unless the existence of permanent structures would fully warrant a slight diminution. The Council should satisfy the Surveyors that private subdivision streets have been dedicated to the Public.

4. Connections should be made to a Trig. Station when practicable, and to the nearest adjacent alignment survey for comparison for azimuth.

Two or three permanent marks should also be sunk into the ground in suitable places, and connection thereto shown upon the plan.

5. Both kerb lines are to be measured and radiations taken from alignment posts to permanent buildings, both to be shown upon the plan (see Specimen Plan and Diagram D, Appendix S).

6. Encroachment by structures of a permanent character and fences upon the footways should be located by measurements from the kerb lines, such measurements to be shown upon the plan in black ink. All buildings within four feet of the building lines should, if possible, be located and shown upon the plan.

7. Connections should be made between alignment posts at the intersections of the street as shown upon Diagrams A, B and D, Appendix S.

8. The markings of the alignment should be placed at the intersection of the kerb and building lines as shown upon Diagrams A and B, Appendix S, unless prevented by obstructions, in which latter case, such marking may be placed along the kerb line, and the distance from the intersection noted upon the plan (see also Diagram A). An angle in a kerb line should be marked as shown upon Diagram C, Appendix S, and if the intersections of streets are not intervisible, markings may be introduced at suitable intervals, not more than ten chains apart.

9. Alignment markings should not be placed at the intersection of aligned streets with those not yet aligned (see Specimen Plan, Appendix S).

10. Streets necessitating alignment by surveys should be measured and marked in accordance with Diagram E, Appendix S. Full information with respect to measurement, together with calculation of curves, to be indicated upon the plan as shown in Diagram E.

11. Wooden posts, wrought stones, cement blocks, or iron castings may be used for marking the alignment, which should be supplied by the Council, and be in readiness at time of survey.

12. The Surveyor should see that the necessary markings have been placed in their proper positions before transmitting his plan of survey, which fact should be reported in his letter of transmission.

13. The plan of survey should be plotted to a scale of either one or two chains to an inch, according to the amount of information required to be shown; plan to be neatly drawn upon the best mounted drawing paper, the writing to be in coloured inks as shown upon Diagrams A to E, and tinted in accordance with "Specimen Plan." (Appendix S).

14. The various classes of buildings should be shown upon the plan and indicated by distinctive colours, also a schedule of the streets proposed to be aligned with particulars as to terminals, width of carriageways and of footways, as well as the extent of encroachments, &c. Alignment markings to be indicated by black squares (see Specimen Plan, Appendix S).

15. The boundaries of grants, if correctly located, to be shown upon the plan in firm black lines, and by broken black lines when their location is doubtful; the names of grantees and areas also to be shown. When building lines are identical with grant boundaries, it will be sufficient to note upon the plan the original lengths of such boundaries in black ink, for purpose of comparison. Information respecting private subdivisions to be shown in brown lines.

16. The names of owners and occupiers of any buildings encroaching upon the streets, together with the extent of such encroachments, should be indicated upon the plan, and full particulars with respect thereto must be stated by the surveyor in his letter of transmission.

17. The relative position of the kerb line to permanent structures (especially public buildings) to be determined by measurement and particulars thereof shown upon the plan.

18. The field notes of survey to be transmitted with the plan.

19. The various angular and lineal measurements regarded as necessary to complete alignment surveys will be found delineated on Specimen Plan and Diagrams A to E, Appendix S, to which special attention is directed.

APPENDIX E.

GENERAL CEMETERY.

Par. 25.

Selection of site.

In selecting a site for a General Cemetery the following points should be observed, viz.:—The Cemetery must be outside the town limits; as a general rule, the distance should not exceed two (2) miles from the probable nucleus of town settlement, and therefore may be within suburban limits. The position should be remote from the noise and interruption of traffic, but easy of access; the site should be elevated and not in close proximity to a watercourse; the soil should be friable, and should be tested by digging a pit at least 6 feet deep, such pit to be indicated on plan; and the conditions should be otherwise suitable for burial purposes.

Dedicated area.

A Cemetery is dedicated under the Crown Lands Consolidation Act, and in respect of survey it is convenient to treat the area as a reserve for a public purpose; and it should be defined accordingly on the ground by marking the reference

Mode of marking.

Area.

trees at corners, or the corner-posts, thus, CEMETERY, and numbering the allotments thus, 1, 2, 3, &c., as of town section. The area to be reserved for a General Cemetery, as a rule, should not be less than 10 acres, but in order to economise expenditure in fencing and preparing the ground, only a part of the area (not less than, say, 3 acres) should be subdivided for present use and dedication.

The design of subdivision should be adapted to the natural conditions of the site, and should be such as will admit of convenient extension of allotments when needed. The principle of design should be that there shall be one entrance to the Cemetery, and a main drive affording access to the larger burial grounds, from which it may sometimes be requisite to have a path to one or two of the smaller grounds. The areas of allotments should be proportionate to the numerical strength of the several denominations according to the census returns; but due regard should be bestowed to the local predominance of, or the absence of, any sect or sects. No allotment should be less than 20 perches, and where there is an ample and suitable area available, should not be less than 1 rood. When there are no members of one or more of the less important sects resident in the locality to be served, it is unnecessary to lay out separate local grounds for them—e.g., Independents, Quakers, Methodists, &c., or Jews; therefore, after providing for all probable local requirements, it is expedient to allow the residue of the Cemetery area to remain unallotted, *viz.*, available for future distribution.

An allotment should be set apart for unsectarian interment, the area of which will be dependent upon the design of subdivision, and should not be less than  $\frac{1}{2}$  acre.

It is desirable to leave an area for ornamental plantation around a Cemetery, and the arrangement thereof may admit of providing sites for a caretaker's residence, waiting-rooms, &c.

The plan should be drawn to a scale of 2 or 4 chains to 1 inch according to the amount of detail involved, and should be intitled—

*Plan of a General Cemetery*

of the Parish of \_\_\_\_\_ County of \_\_\_\_\_

to be dedicated under the Crown Lands Consolidation Act.

The area of the Cemetery in its entirety should be tinted yellow, and the boundaries of allotments should be edged with a darker tint of the same colour. The areas of the several allotments should be stated in figures.

The letter reporting survey should be comprehensive; it should set forth the circumstances of allotment, especially as to local requirements; it should also contain information as to local prices for fencing materials and gates, with recommendation as to the most suitable description of fence and cost of erection, particulars of cost of clearing (if any), and of such other work as may be needed to make the ground available for interment. The position of graves (if any), on the land should be shown, and the denomination of the deceased reported when practicable.

Designs of a few Cemeteries are shown on diagram, Appendix X.

On the design of Cemetery No. 1 it will be observed that there is a smaller area indicated by broken lines, which includes a part of each allotment; this smaller area is that which it is intended to enclose by fencing, and prepare for interments, and which will probably be found sufficient for, say, ten years.

APPENDIX F.

SURVEY MARKS.

No. 56, 1902. An Act to consolidate enactments relating to Survey Marks, official landmarks, and beacons. (3rd September, 1902.)

BE it enacted by the King's Most Excellent Majesty, by and with the advice and consent of the Legislative Council and Legislative Assembly of New South Wales in Parliament assembled, and by the authority of the same as follows:—

1. This Act may be cited as the "Survey Marks Act, 1902."
2. The Act sixteenth Victoria number fifteen is hereby repealed.

3. (1) In the conduct of official surveys made by the direction or under the authority of the Government, the distinguishing mark to be used by the Surveyors appointed or licensed by the Government to conduct the same shall be in the form of a broad arrow, which mark shall not be used by private surveyors or other persons not authorised in that behalf by the Government.

(2) Every person who makes or uses such mark in marking any boundary or so as to appear to indicate a boundary of any land, except in the conduct of an authorised official survey, shall for every such offence, be liable to a penalty not exceeding ten pounds.

4. (1) If any person wilfully obliterates, removes, or defaces any such survey mark as aforesaid or any landmark or beacon which has been erected by or under the direction of any officer of the Survey Department, or by a Surveyor licensed by the Government, such person shall for every such offence be liable to a penalty not exceeding ten pounds.

(2) Nothing herein contained shall render the owner or occupier of any land liable to any penalty for the removal of any tree thereon upon which any such mark has been made which he may desire to remove in fencing, clearing, or otherwise improving such land.

5. Penalties under this Act may be sued for and recovered summarily before any two Justices in Petty Sessions by any person authorised in that behalf by His Majesty's Attorney-General.

APPENDIX G.

FORM FOR COMPUTATION OF AREAS.

Parish of _____		County of _____		L.L.B.—85.					
No. of Traverse Line.	Bearing.	Reduced Bearing.	Distance.	Latitude.		Departure.		Double Areas.	
				North.	South.	East.	West.	North.	South.

NOTE—  
Offsets to be indicated here.

I hereby certify that the calculations and computations exhibited on this sheet are correct, and that the bearings and distances are derived from Field Notes taken by me in connection with the survey of the area shown on plan of Portion \_\_\_\_\_ Parish of \_\_\_\_\_ County of \_\_\_\_\_

(Signature)  
(Date)

Cat. No. of Plan \_\_\_\_\_

Design of unsectarian burial ground.  
Ornamental plantation and caretaker's residence.

Colours to be used.  
Letter reporting survey.

Par. 137.

Short title.  
Repeal.  
Private surveyors and other persons not to use official survey marks.  
10 Vic. No. 15, s. 1.  
Penalty for unauthorised defacement or destruction of survey marks, landmarks, or beacons.  
Recovery of penalties.  
Ibid. ss. 1, 2.

Par. 138.



Par. 230.

APPENDIX H.

L.L.B.—78.

Mr. Surveyor

Land District of

to the District Surveyor at

reporting

on portion No. area

parish of

county of

1. Date of inspection
2. Easiest accessible Railway Station, Port, Town, and Butter Factory, if any; distance therefrom, and cost of carriage thereto; description of roads.
3. Physical characteristics and geological formation; character of soil and subsoil.
4. (a) Natural water supply; if insufficient state—(b) what facilities exist for obtaining or storing; (c) cost of providing an adequate supply.
5. Mean annual rainfall as supplied from records of Government Astronomer.
6. Extent of land suitable for agriculture; whether in one or more parts; extent prepared for cultivation.
7. The most profitable kinds of cultivation, and probable average yield per acre.
8. Most suitable class of fencing and cost
9. Character of pasturage, soundness of country; whether fattening or breeding, and kind of stock for which it is adapted; state if suitable for dairying.

(a) (b) (c) Size of necessary tank or dam cubic yards, at per yard, £

inches at (This will be furnished by the Land Board Office).

Cost, £ per mile.

10. Improvements, description, and position.	By whom effected, date, and by whom claimed.	Owner.	Value.	Value to incoming tenant.

11. Grazing capacity of land, in average seasons, as at present improved. 1 sheep to acres; 1 head of large stock to acres.
12. Means by which grazing capacity can be further profitably increased, and cost of same. Total, £
13. Average grazing capacity, when improvements specified in preceding paragraph have been effected. 1 sheep to acres; 1 head of large stock to acres.
14. Noxious animals, and estimated annual cost of coping with same.
15. Timber About acres of thick forest country, timbered with About acres of open forest country, timbered with About acres of plain country.
16. Cost of preparing land for—(a) Grazing; (b) Agriculture... (a) Ringbarking, suckering, &c. (b) Green timber—per acre. Dead timber—per acre.
17. Suitability of timber for fencing and building purposes, and value of standing timber. Is its reservation or protection advisable; if so, state special conditions if any. (Sec. 4, Act, '05, and Sec. 21, Forestry Act, 1909).
18. Scrub ... About acres, consisting of of which are edible.
19. Particulars of authorised Mining Occupations ...
20. GENERAL REMARKS—

I hereby certify that this Report was prepared by me from notes taken on the ground.

Date

APPENDIX 1a.

Land District New South Wales.

D.S.O. Account No. Head of Service—SURVEY OF LANDS.—Form A. for the DEPARTMENT OF LANDS.

Item No. of Appropriation Act of 19

Dr. to Licensed Surveyor

SURVEYS CHARGED FOR BY LINEAR MEASUREMENT. [Sub-Head of Estimate]

From the to the containing acres roads perches For the survey and measurement of

Date of Survey 19 County of

Parish of Instructions No. of the to Plan with Letter No. of the

Table with columns: Cat. No. of Plan, Class of Work, Quantity, Rate, Surveyor's Charge, Survey as paid for by the Department, Initial of Officer passing Account, Amount paid by Department, No. of Papers, Remarks.

Items examined, 19, Checked, Advance recommended as per Advice No. 19, BALANCE

DECLARATION.

I hereby, on honor, declare that I have faithfully and truly surveyed, measured, and marked out on the ground, the lines and corners for which I have charged in this Account, that the Plan herewith forwarded is correct, and the whole service has been performed with care, and in strict accordance with the regulations and practice of the Department of Lands.

Licensed Surveyor.

CERTIFICATE OF DISTRICT SURVEYOR.

I certify that the Plan of the Survey herein charged for has been duly received, and the items as passed for payment in this Voucher are correct, and that the service has been performed in strict accordance with the regulations for the guidance of Licensed Surveyors and practice of the Department of Lands and I recommend payment subject to deduction of amount already advised as an advance on account.

District Surveyor.

I certify that the amount charged in this Voucher as to computations, castings, and rates, is correct.

Form with fields for 'Name of the Surveyor', 'District', 'Date of Survey', 'Amount', and 'Remarks'. Includes a table for 'Particulars of the Survey' with columns for 'No.', 'Description', and 'Area'.

Служба Земельных Дел. Вспомогательный счет. Вспомогательный счет на перевод денег. Вспомогательный счет на перевод денег. Вспомогательный счет на перевод денег.



1			2			3		4		5		6		7		8	9
Perimeter at 9d.			Perimeter at 6d.			Roads at 1s.		Roads at 9d.		Roads at 6d.		Features at 6d.		Connections at 4½d.		New	Other
For. No.	Chains.	Links.	Por. No.	Chains.	Links.	Chains.	Links.	Chains.	Links.	Chains.	Links.	Chains.	Links.	Chains.	Links.	Corners.	Corners.
5	80*	00	5	7*	00			58	15	20	00			45	00	A	
				55	00			36	65	20	00					B	
				32	00			58	71	20	00					C	
				32	00			36	12							D	
				45	00											E	
				10	00											F (Old tree and peg gone.)	
				15	00												
				8	00												
				7	00												
				6	00												
				42	60												
6	31	63						35	00							G	E
	31	63						1	03							H	
	16*	74			89											I	
7	31	63														K	H
	31	63														L	I
	8	00						18								M	C
8	24	00						16						10	00		D
	32	00						1	02								E

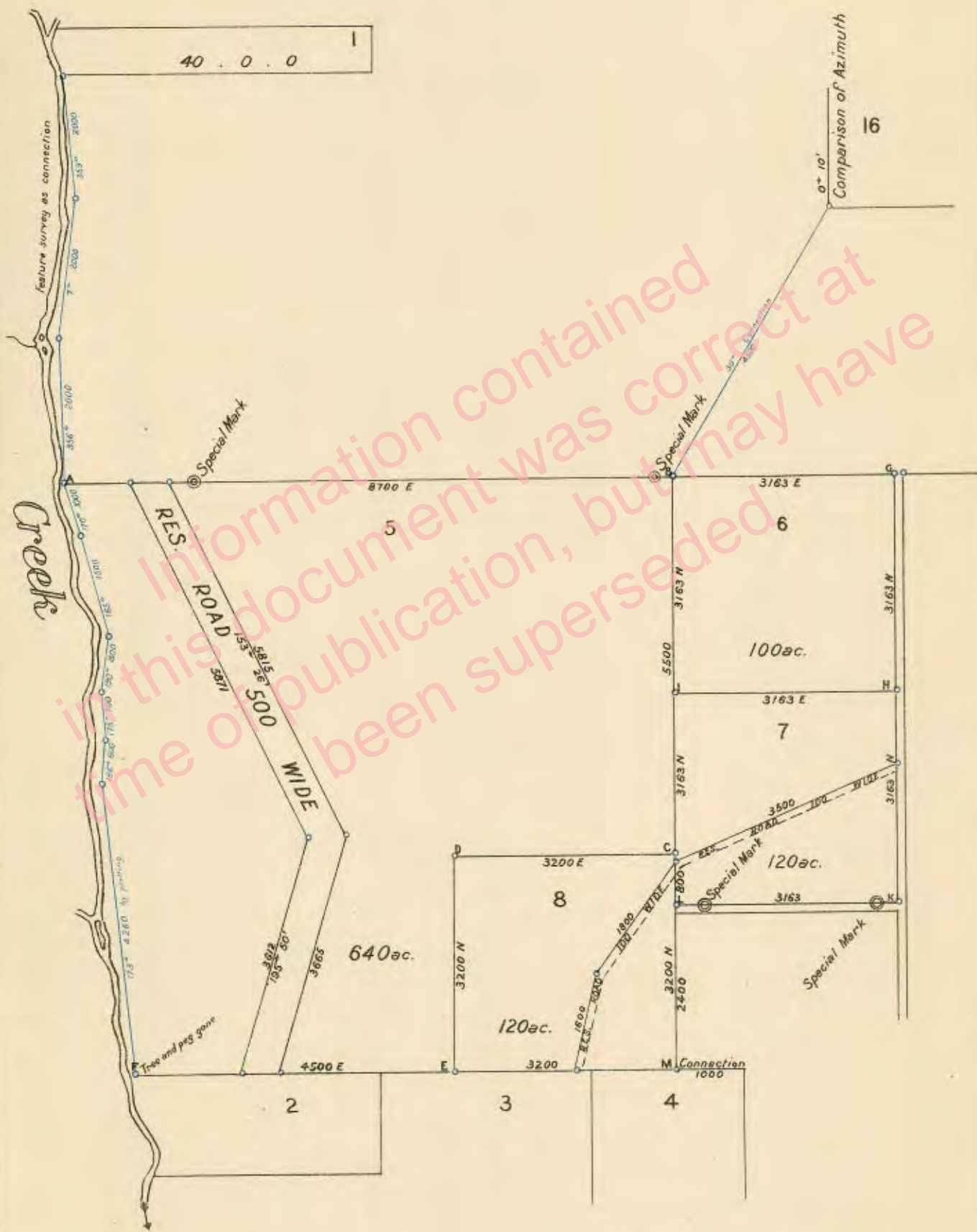
Travelling with camp and equipment in connection with this service, miles, viz: —  
 From Portion No. Parish of County of  
 To Portion No. Parish of County of

- 1. For the measurement and marking of the first 80 chains of boundary of each portion.
- 2. For the remainder of the measurement and marking of the boundaries of each portion.
- 3. For roads under Public Roads Act, including cosecants.
- 4. For roads reserved through portions not over 3 chains wide, to be marked on both sides at £3 per mile of road, to be paid for by the traversed side, including cosecants.
- 5. For roads and driftways reserved through portions exceeding 3 chains in width, to be marked on both sides, and each side to be paid for, including cosecants.
- 6. For ranges and watercourses, water-races, coastline and features.
- 7. For connections between portions, &c.
- 8. For new corners, to be specified by letters corresponding with plan.
- 9. For other corners, to be similarly specified.

See Paragraphs  
222 to 242

# Diagram to Illustrate Scale of Fees

CONDITIONAL LEASE, CONDITIONAL PURCHASE OR PORTIONS MEASURED FOR SALE &c.



NOTE — This Diagram is not strictly to Scale —

APPENDIX 1b.

Land District  
New South Wales.

D.S.O.

Account No.

Head of Service—SURVEY OF LANDS.—Form A.

for the DEPARTMENT OF LANDS.

Item No. of Appropriation Act of 19

Class of Survey

Pr. to Licensed Surveyor

SURVEYS CHARGED FOR BY LINEAR MEASUREMENT. [Sub-Head of Estimate.

From the ... to the ... containing ... roads ... perches ...

Date of Survey 19 ... For details see 4th page

County of ... Plan with Letter No. of the

Table with columns: Cat. No. of Plan, Class of Work, Quantity, Rate, Surveyor's Charge, Survey as paid for by the Department, Amount paid by Department, No. of Papers, Remarks. Includes entries for 'Boundaries of Portions, Reserves, or Leased Areas', 'Marked lines of Roads under Public Roads Act', 'D.S.O. Items examined', and 'Checked'.

BALANCE ... £

DECLARATION.

I hereby, on honor, declare that I have faithfully and truly surveyed, measured, and marked out on the ground, the lines and corners for which I have charged in this Account, that the Plan herewith forwarded is correct, and the whole service has been performed with care, and in strict accordance with the regulations and practice of the Department of Lands.

CERTIFICATE OF DISTRICT SURVEYOR.

I certify that the Plan of the Survey herein charged for has been duly received, and the items as passed for payment in this Voucher are correct, and that the service has been performed in strict accordance with the regulations for the guidance of Licensed Surveyors and practice of the Department of Lands, and I recommend payment subject to deduction of amount already advised as an advance on account.

\$4.318

I certify that the amount charged in this Voucher as to computations, casings, and rates, is correct.

Surveyor of Lands, District of Columbia, of the County of ... Date of ...

For the ... of ...

of the ...

of the ...

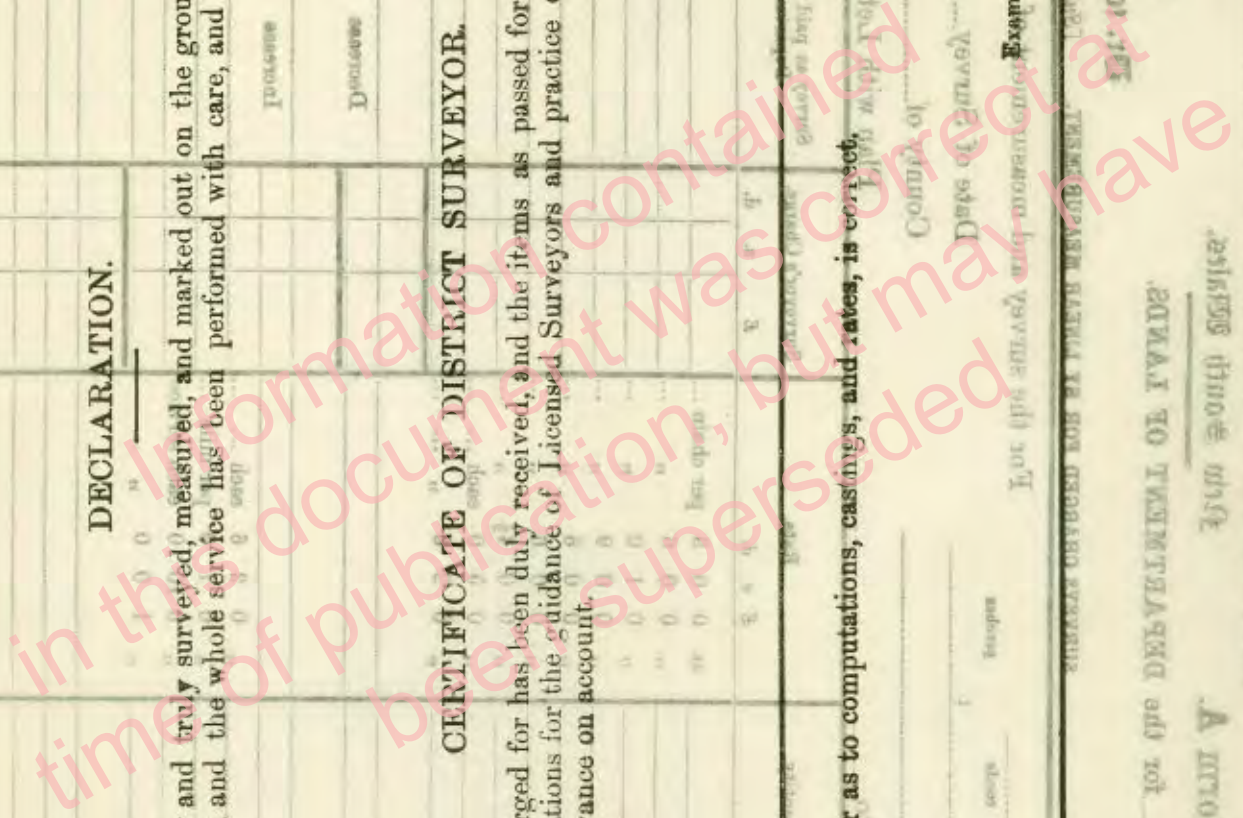
of the ...

of the ...

of the ...

APPENDIX IP

D'20





- 1. For surveys and other maps to be laid out, including connections
- 2. For surveys and other maps to be laid out, including connections
- 3. For surveys and other maps to be laid out, including connections
- 4. For surveys and other maps to be laid out, including connections
- 5. For surveys and other maps to be laid out, including connections
- 6. For surveys and other maps to be laid out, including connections
- 7. For surveys and other maps to be laid out, including connections
- 8. For surveys and other maps to be laid out, including connections
- 9. For surveys and other maps to be laid out, including connections
- 10. For surveys and other maps to be laid out, including connections

Diagram to illustrate Scale of Maps  
by the measurement of

## TOWN ALLOTMENTS

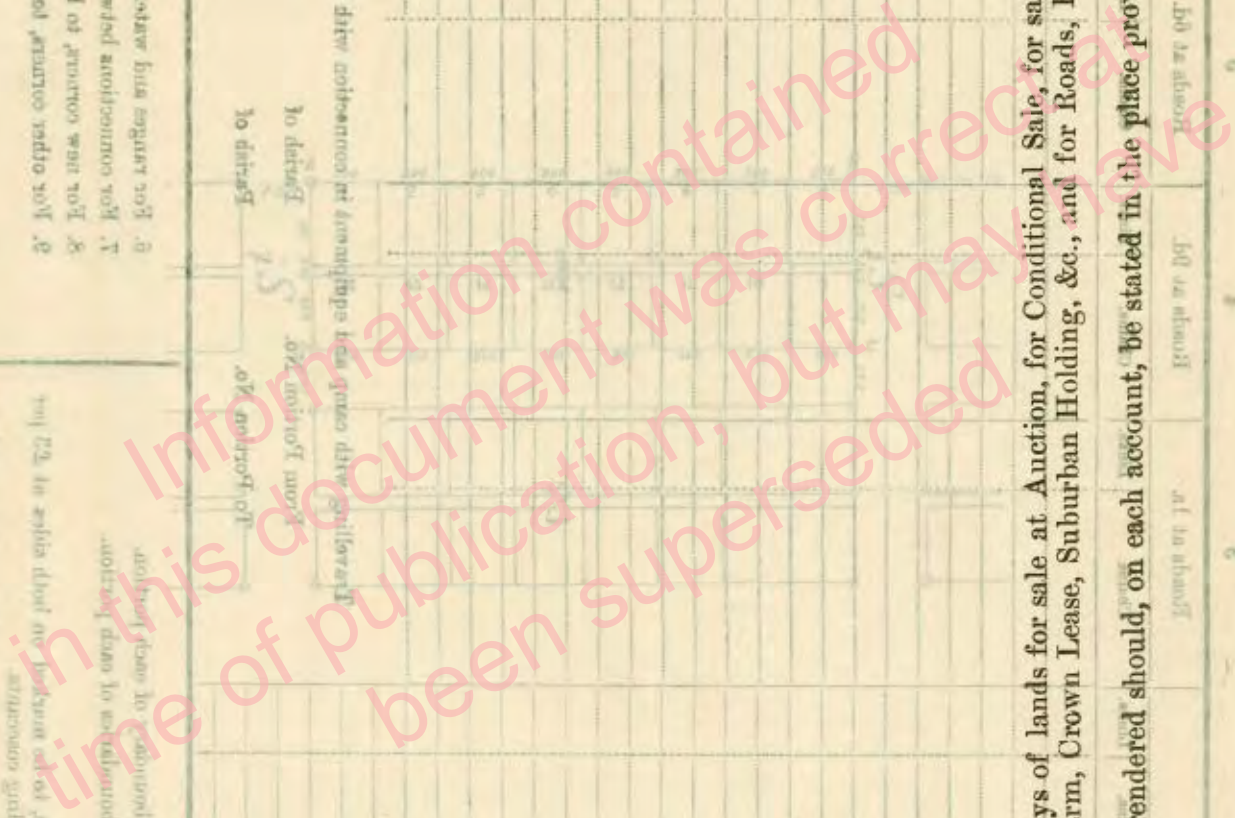
	County of	County of	County of	County of	County of	County of	County of
	County of	County of	County of	County of	County of	County of	County of
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

This is the form "A" for Accounts for surveys of lands for sale at Auction, for Conditional Sale, for sale in virtue of Improvements, for Conditional Lease, for Pastoral Lease, for Homestead Lease, Homestead Farm, Crown Lease, Suburban Holding, &c., and for Roads, Reserves, Features, and Connections.

The class of survey for which the account is rendered should, on each account, be stated in the place provided for that purpose.

St 3128

County of	County of	County of	County of	County of	County of	County of	County of
County of	County of	County of	County of	County of	County of	County of	County of



1	2		3	4	5	6	7		8	9
	Perimeter at 6d.						Connections at 4 1/2 d.			
Por. No.	Chains.	Links.	Chains.	Links.	Chains.	Links.	Chains.	Links.	New Corners.	Other Corners.
Sec. 1	109	00							A	32
16									B	
									C	
									D	

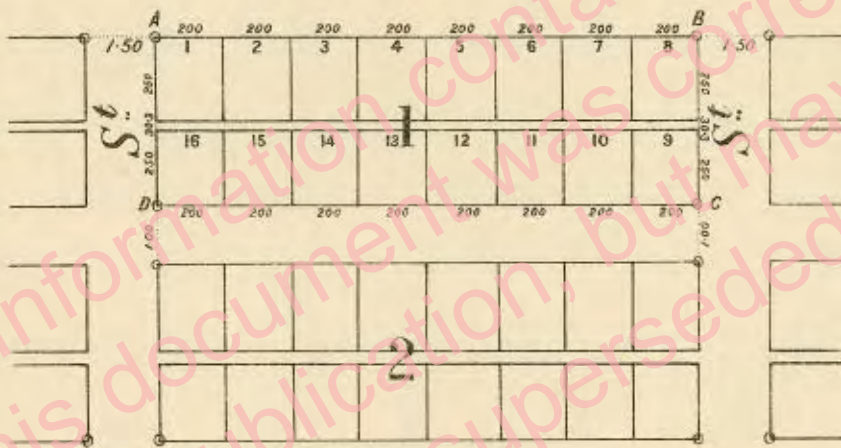
Travelling with camp and equipment in connection with this service, miles, viz. :-

From Portion No. \_\_\_\_\_ Parish of \_\_\_\_\_ County of \_\_\_\_\_  
 To Portion No. \_\_\_\_\_ Parish of \_\_\_\_\_ County of \_\_\_\_\_

1. For the measurement and marking of the first 80 chains of boundary of each portion.
2. For the remainder of the measurement and marking of the boundaries of each portion.
3. For roads under Public Roads Act, including cosecants.
4. For roads reserved through portions not over 3 chains wide, to be marked on both sides at £3 per mile of road, to be paid for by the traversed side, including cosecants.
5. For roads and driftways reserved through portions exceeding 3 chains in width, to be marked on both sides, and each side to be paid for, including cosecants.
6. For ranges and watercourses, water-races, coastline and features.
7. For connections between portions, &c.
8. For new corners, to be specified by letters corresponding with plan.
9. For other corners, to be similarly specified.

See Paragraphs  
222 & 223

*Diagram to illustrate Scale of Fees*  
*Viz: for measurement of*  
**TOWN ALLOTMENTS**



All boundary lines 3<sup>d</sup> per chain

Dotted Connection 4½<sup>d</sup> per chain

Corners ABCD marked thus ○ 5/- each

Other corners..... 2/6 each

APPENDIX 1c.

Land District

New South Wales.

D.S.O. Account No. Head of Service—SURVEY OF LANDS.—Form A.

Payable from Vote of £ for the DEPARTMENT OF LANDS.

Class of Survey Departmental Reference No. [Sub-Head of Estimate] Item No. of Appropriation Act of 19

Dr. to Licensed Surveyor

SURVEYS CHARGED FOR BY LINEAR MEASUREMENT.

From the to the for the survey and measurement of

Date of Survey 19 County of

Parish of Instructions No. of the Plan with Letter No. of the

Table with columns: Cat. No. of Plan, Class of Work, Quantity, Rate, Survey as paid for by the Department, Initial of Officer passing Account, Amount paid by Department, No. of Papers, Remarks.

Checked, 19 BALANCE ... £

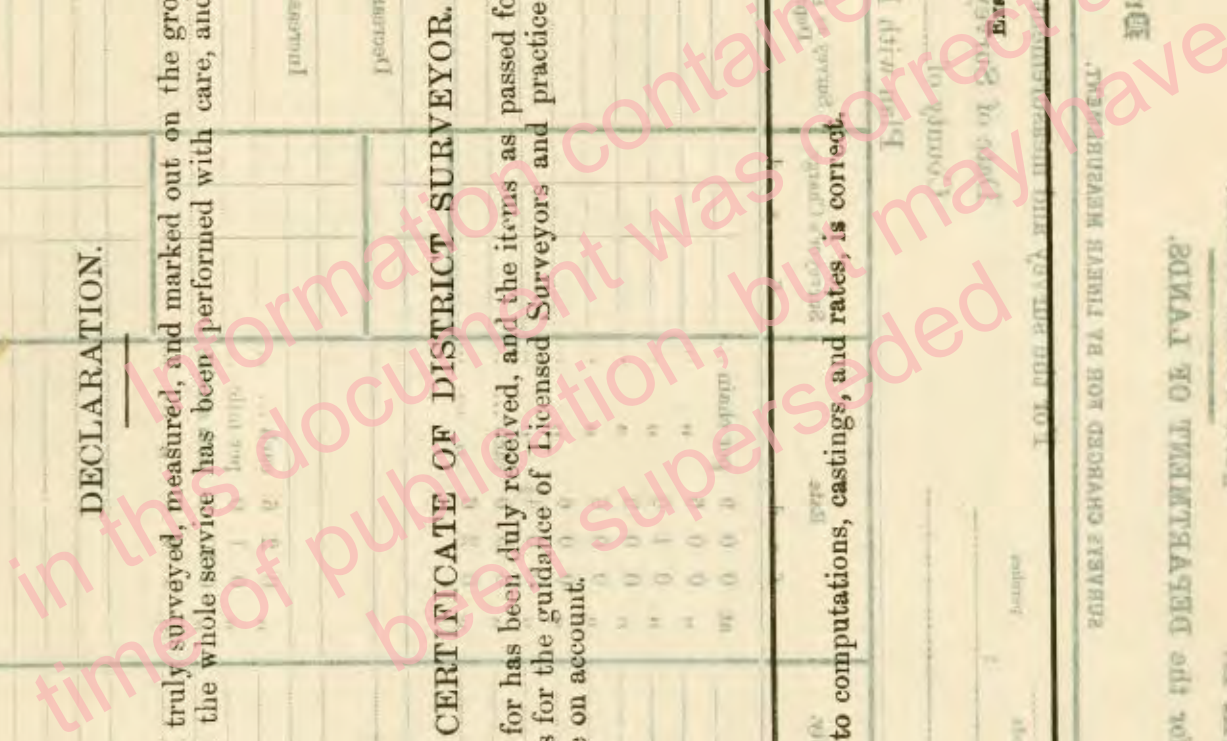
DECLARATION.

I hereby, on honor, declare that I have faithfully and truly surveyed, measured, and marked out on the ground, the lines and corners for which I have charged in this Account, that the Plan herewith forwarded is correct, and the whole service has been performed with care, and in strict accordance with the regulations and practice of the Department of Lands.

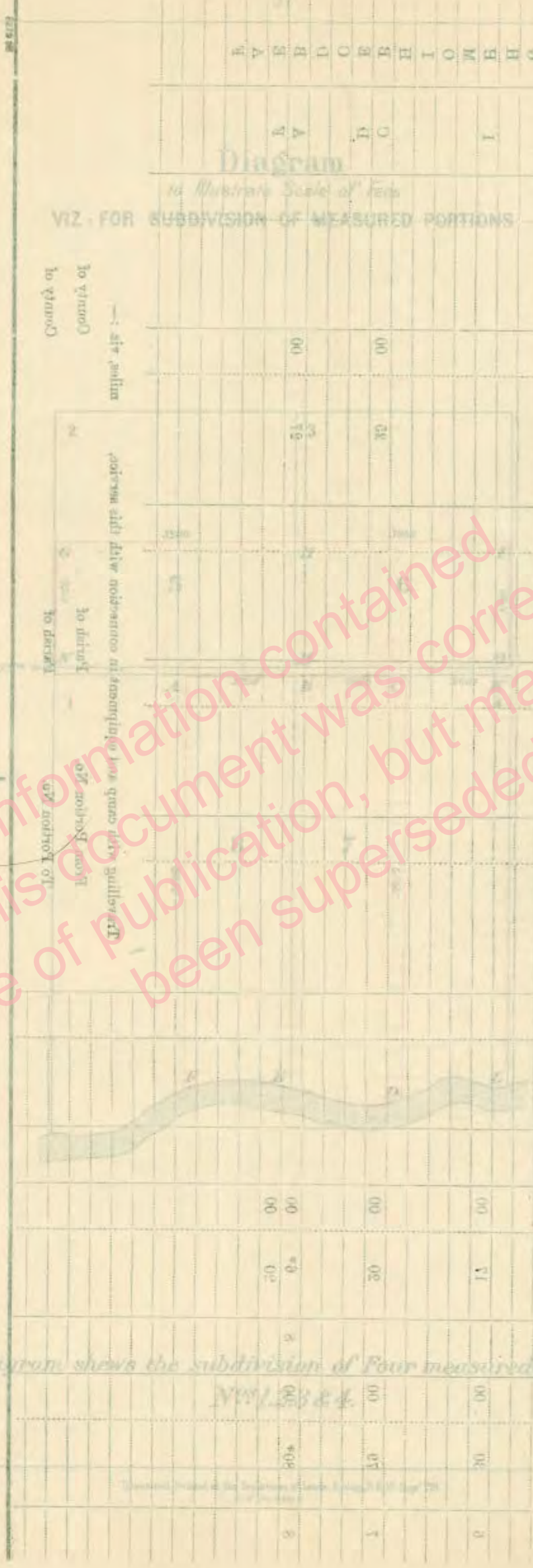
CERTIFICATE OF DISTRICT SURVEYOR.

I certify that the Plan of the Survey herein charged for has been duly received, and the items as passed for payment in this Voucher are correct, and that the service has been performed in strict accordance with the regulations for the guidance of Licensed Surveyors and practice of the Department of Lands, and I recommend payment subject to deduction of amount already advised as an advance on account.

Form with multiple columns and rows for recording survey details, including fields for 'Name of Surveyor', 'Description of Land', 'Area', and 'Remarks'. Includes a signature line for the District Surveyor and a section for 'Remarks'.



- 2. For each and every site to be laid out, including accounts...
- 3. For each and every site to be laid out, including accounts...
- 4. For each and every site to be laid out, including accounts...
- 5. For each and every site to be laid out, including accounts...
- 6. For each and every site to be laid out, including accounts...



This is the form "A" for Accounts for surveys of lands for sale in virtue of Improvements, for Conditional Lease, for Pastoral Lease, for Homestead Lease, Homestead Farm, Crown Lease, Suburban Holding, &c., and for Roads, Reserves, Features, and Connections.

The class of survey for which the account is rendered should, on each account, be stated in the place provided for that purpose.

Station at 0'	Station at 10'	Station at 20'	Station at 30'	Station at 40'	Station at 50'	Station at 60'	Station at 70'	Station at 80'	Station at 90'	Station at 100'	Station at 110'	Station at 120'	Station at 130'	Station at 140'	Station at 150'	Station at 160'	Station at 170'	Station at 180'	Station at 190'	Station at 200'	

APPENDIX

Information contained in this document was corrected at the time of publication, but may have been superseded.

1 2 3 4 5 6 7 8 9

Perimeter at 9d.		Perimeter at 6d.			Roads at 1s.		Roads at 9d.		Roads at 6d.		Features at 6d.		Connections at 4½d.		New Corners	Other Corners.	
For. No.	Chains.	For. No.	Chains.	Links.	For. No.	Chains.	Links.	Chains.	Links.	Chains.	Links.	Chains.	Links.	Chains.	Links.		
5	35 00	5	17 00	00												G	M
6	30 00		17 00	00												H	N
7	79 00		20 00	00							25 00					I	N (new peg)
8	80* 00	8	6* 20 00	00							27 00						G
																	H
																	H
																	M
																	O
																	I
																	H
																	B
																	E
																	C
																	D
																	B
																	E
																	A
																	F

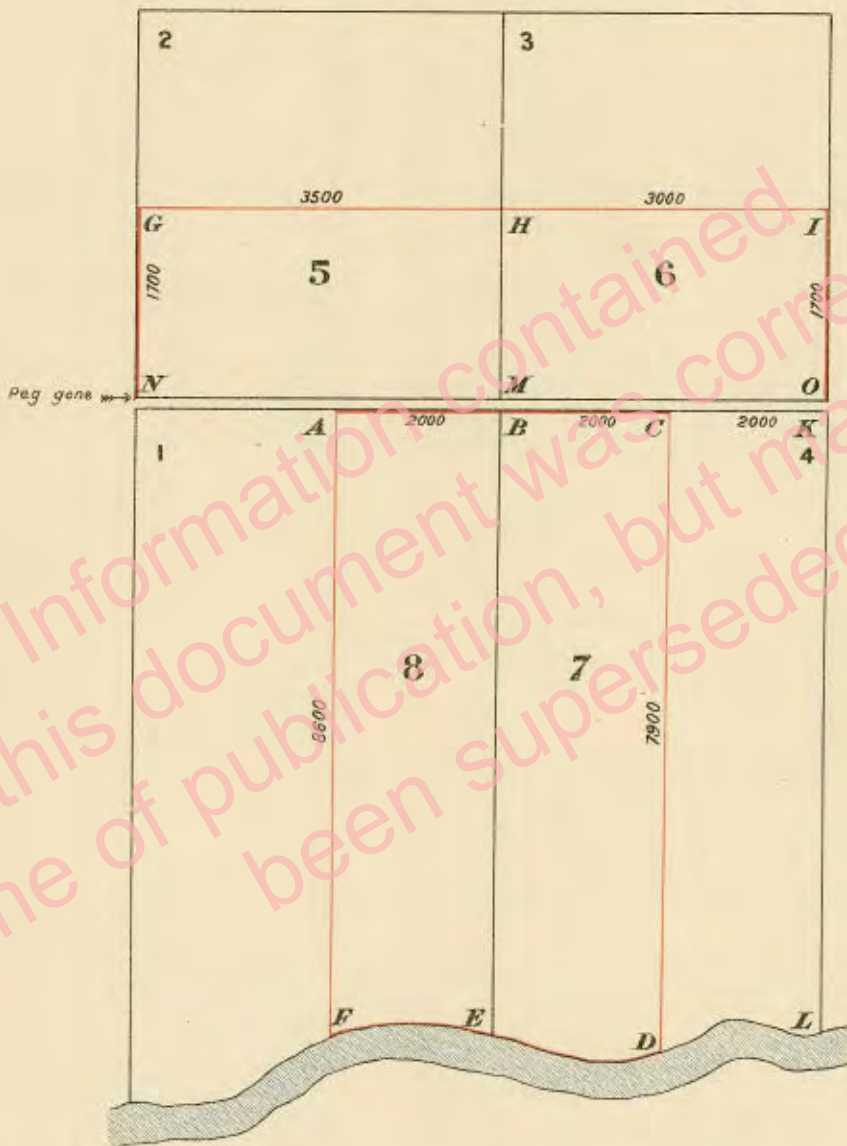
Travelling with camp and equipment in connection with this service, miles, viz. :—

From Portion No. \_\_\_\_\_ Parish of \_\_\_\_\_ County of \_\_\_\_\_  
 To Portion No. \_\_\_\_\_ Parish of \_\_\_\_\_ County of \_\_\_\_\_

1. For the measurement and marking of the first 80 chains of boundary of each portion.
2. For the remainder of the measurement and marking of the boundaries of each portion.
3. For roads under Public Roads Act, including cosecants.
4. For roads reserved through portions not over 3 chains wide, to be marked on both sides at £3 per mile of road, to be paid for by the traversed side, including cosecants.
5. For roads and driftways reserved through portions exceeding 3 chains in width, to be marked on both sides, and each side to be paid for, including cosecants.
6. For ranges and watercourses, water-races, coastline and features.
7. For connections between portions, &c.
8. For new corners, to be specified by letters corresponding with plan.
9. For other corners, to be similarly specified.

See Paragraphs  
62 & 231

**Diagram**  
*to Illustrate Scale of Fees*  
**VIZ : FOR SUBDIVISION OF MEASURED PORTIONS**



*The Diagram shews the subdivision of Four measured portions  
Nos 1, 2, 3 & 4.*



D.S.O.

APPENDIX Id.

Account No.

Land District

Head of Service—SURVEY OF LANDS.—Form B.

New South Wales.

Payable from Vote of £ ..... for THE DEPARTMENT OF LANDS. Item No. .... of Appropriation Act of 190

Dr. to Licensed Surveyor

[Departmental Reference No. ....

SPECIAL SERVICES.

Sub-Head of Estimate

Date.	Instructions.		Diary.	From the ... to the ... For the undermentioned Services, viz. :-	Particulars of Service.	Area.	Surveyor's Charge.		Time allowed by the Department.		Initial of Officer passing Account.	Date and No. of Letter of Trans- mission.	Amount paid by the Department.	No. of Papers.	Remarks.
	No. Month. Day.	Field— No. of days.					Office— No. of days.	Field— No. of days.	Office— No. of days.	Field— No. of days.					
				190			Field Work, £3 3s. per diem. Office Work, £2 2s. per diem.	£	s.	d.					

54 1856

*Information contained in this document was correct, but may have been superseded*

Balance £

SE 1026

**DECLARATION.**

I hereby, on honor, declare that I have faithfully performed the service charged for in this Account, the plan and report herewith forwarded being correct, and the whole service performed with care, and in strict accordance with the Regulations and practice of the Department of Lands. I further, on honor, declare that the number of days charged for were actually expended on the work referred to, and that on each day charged for I was fully employed on the work specified.

Licensed Surveyor.

**CERTIFICATE OF DISTRICT SURVEYOR.**

I certify that the items passed for payment in this Voucher are correct, that the plan and report have been duly received, that the service has been performed in strict accordance with the Regulations for the guidance of Licensed Surveyors and practice of the Department of Lands, and I accordingly recommend payment of the account for the amount passed by me as shown.

District Surveyor.

Date	No. of Voucher	Particulars	Amount	Total	Remarks
			100		

Examined

of the Department of Lands

for the Department of Lands

of the Department of Lands

of the Department of Lands

APPENDIX 19

In this document information was correct at time of publication, but may have been superseded

APPENDIX J. (See also Appendix V.)

AUTHORISED ABBREVIATIONS OF WORDS ON MAPS.

Addition	Ad.	Magnetic	Mag.
Administrator	Admon.	Maximum	Max.
Agricultural	Ag.	Measurement	Meast.
Altitude	Alt.	Mechanic	Mech.
Applicant	App.	Memorandum	Memo.
Approved	Appd.	Meridian	Mer.
Approximate	Approx.	Methodist	Meth.
Association	Assoc.	Metropolitan	Metrop.
Astronomical	Astro.	Military	Mil.
Australian	Aust.	Minimum	Min.
Azimuth	Az.	Ministerial	Minl.
Bank	Bk.	Miscellaneous	Misc.
Baptist	Bap.	Mount	Mt.
Boundary	Bdy.	Municipal	Mu.
Bridge	Br.	Navigable	Nav.
Business	Bus.	Number	No.
Cardinal Points	(See Note)	Occupation	Occ.
Catalogue	Cat.	Occupier	Occ.
Cemetery	Cemy.	Original	Or.
Central	Cent.	Old Roll	o. r.
Centennial	Centen.		
Certificate	Cert.	Paddock	Pad.
Chain	Ch.	Parish	Par.
Church	Ch.	Parliament	Parlt.
Church of England	Ch. E.	Pastoral	Past.
Common	Com.	Permanent	Permt.
Company	Co.	Place	Pl.
Confirmed	Confd.	Platform	Plt.
Condition	Con.	Point	Pt.
Conservation	Conserv.	Population	Pop.
County	Co.	Portion	Por.
Creek	Ck.	Post Office	P. O.
Crown Lands Act	C.L. Act	Pre-emptive	Pre.
Declination	Dec.	Presbyterian	Presbyt.
Dedicated	Ded.	Private	Priv.
Department	Dept.	Proclamation	Procl.
Distance	Dist.	Proposed	Pro.
District	Dist.	Public	Publ.
Division	Div.	Purchase	Pur.
Electorate	Elect.	Purpose	Ppse.
Elongation (star)	Elong.	Per original	p. o.
Environ	Envs.	Railway	Ry.
Examined	Exd.	Recreation	Rec.
Executive Council	Ex. Co.	Reference	Ref.
Executors	Exors.	Register	Regr.
Exclusive	Excl.	Regulation	Reg.
Extension	Exten.	Reserve	Res.
Folio	Fol.	Residence	Res.
Foot	Ft.	River	Riv.
Forest	Fo.	Road	Rd.
Gazette	Gaz.	Roll (plan)	r.
General	Gen.	Roman Catholic	R.C.
Geographical	Geo.	Saint	St.
Governor	Gov.	School	Sch.
Government	Govt.	Section	Sec.
Grant	Gt.	Senior	sen.
Great Northern Railway	G.N. Ry.	Settlement	Set.
Great Southern Railway	G.S. Ry.	Sheet	Sh.
Great Western Railway	G.W. Ry.	Society	Soc.
Heliograph	Helio.	Station	Stn.
Horticultural	Hort.	Steam Ship	S.S.
Hospital	Hosp.	Street	St.
House	Ho.	Suburban	Sub.
Improvement	Impt.	Swamp	Sw.
Inclusive	Incl.	Telegraph	Tel.
Independent	Indep.	Temporary	Temp.
Individual	Indiv.	Town	Tn.
Institute	Inst.	Traverse	Trav.
Irrigation	Irr.	Trigonometrical	Trig.
Island	Isl.		
Junior	jun.	Unnecessary	Un.
Latitude	Lat.	Variation	Var.
Leasehold	Lhold.	Village	Vill.
License	Lic.	Volume	Vol.
Link	Lk.	Wesleyan	Wes.
Lithograph	Litho.	Wharf	Whf.
Longitude	Long.		
Limited	Ltd.	Yards	Yds.

Note.—It may be pointed out that, of these abbreviations, many are intended to apply to various changes of a word—e.g., "App." for applicant; application applied for; "Occ." for occupier, occupation; and others apply to several words—e.g., "Co." for County, Company, Council. It is held that the context should enable the sense to be perceived.  
As to the Cardinal points, the letters significant thereof are N., S., E., and W., and these should generally convey the sense required; otherwise if the adjective must be used, it should be written in full thus—Northern.  
As a general rule, the full names of Grants should be written; but when there is insufficient space, the recognised abbreviations may be used, and initial letters should be used only where there may be several pre-nomina.

APPENDIX K.

RETURN for the Month of ... by Mr. ... Surveyor, containing Statement of Unfulfilled Instructions, Report of Progress, and proposed Course of Duty.

Table with columns: No., Instructions, Date, Purpose of Measurement or Applicant, Area, Parish No. and Name, County, Date and No. of Letter of Transmission, Remarks.

REPORT OF PROGRESS

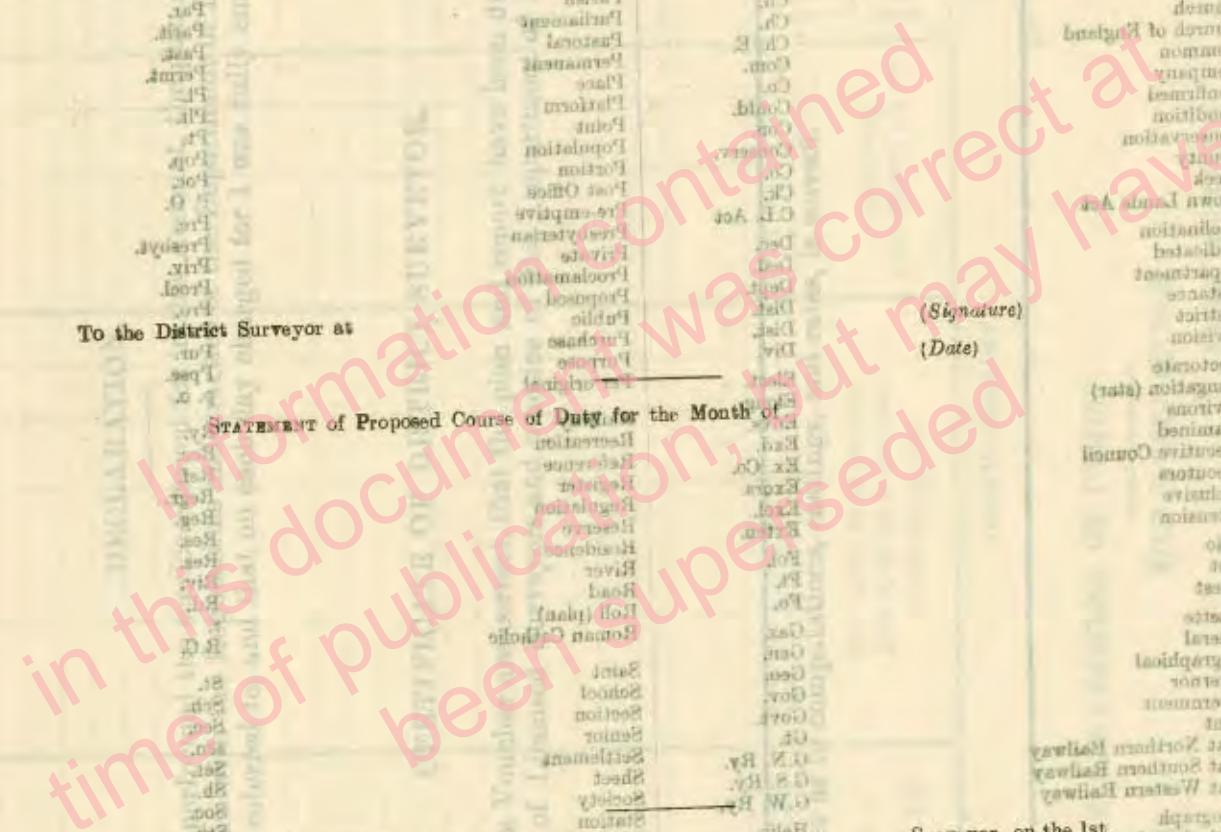
Table for Report of Progress with columns: No., Instructions, Date, Purpose of Measurement or Applicant, Area, Parish No. and Name, County, Date and No. of Letter of Transmission, Remarks.

To the District Surveyor at ... (Signature) (Date)

Table for Proposed Course of Duty for the Month of ... with columns: No., Instructions, Date, Purpose of Measurement or Applicant, Area, Parish No. and Name, County, Date and No. of Letter of Transmission, Remarks.

Table for Unfulfilled Instructions in the hands of Mr. ... with columns: Marginal No., No., Date, Purpose of Measurement or Applicant, Area, Parish or Locality, Date Survey Finished, Remarks.

DIRECTIONS TO BE OBSERVED IN COMPLETING THIS FORM OF RETURN. This Return is to be forwarded to the District Surveyor on or before the third day of the month. All unfulfilled instructions are to be quoted on the proper page, and in the column headed "Marginal No." the registration number of the paper is to be inserted.



APPENDIX L.

RETURN OF FENCING.

MEMORANDUM, showing the names of the Owners or reputed Owners of the enclosed Lands through which the road passes the length of new fencing required to be erected within each enclosure, and the cost thereof. Also, the length of the existing fences which will require removal, and the cost of their re-erection.

APPENDIX N.  
To B.

(In continuation of memorandum of 1908, showing the names of the Owners or reputed Owners of the enclosed Lands through which the road passes, the length of new fencing required to be erected within each enclosure, and the cost thereof, and the length of the existing fences which will require removal, and the cost of their re-erection.)

ABBREVIATIONS: A. Area; C. Chains; F. Fencing; R. Road; S. Survey; T. Town; V. Village; W. Ward; Y. Yard.

Name of Owner or Reputed Owner.	Name of Occupier.	Length of Fencing Required.		Cost per Rod.	Total Cost.
		New.	Old (to be Renewed and Re-erected).		
		Chains.	Chains.		

ABBREVIATIONS: A. Area; C. Chains; F. Fencing; R. Road; S. Survey; T. Town; V. Village; W. Ward; Y. Yard.

APPENDIX N.  
To B.

(In continuation of memorandum of 1908, showing the names of the Owners or reputed Owners of the enclosed Lands through which the road passes, the length of new fencing required to be erected within each enclosure, and the cost thereof, and the length of the existing fences which will require removal, and the cost of their re-erection.)

ABBREVIATIONS: A. Area; C. Chains; F. Fencing; R. Road; S. Survey; T. Town; V. Village; W. Ward; Y. Yard.

Information contained in this document was correct at time of publication, but may have been superseded

Form 196-199.

Discontinuance of the Lands proposed to be resumed in connection with County of _____				Parish of _____, Shire					
Portions of Land Affected.		Grantee or Reputed Owner.	Occupier.	Character of Holding.	Width of Land to be Resumed.	Area to be Resumed.			Remarks.
No. of Portion.	Area of Portion.					Parish.	a.	r.	

**APPENDIX M.**  
**Form A.**

**SCHEDULE OF PROPOSED RESUMPTION UNDER THE PUBLIC ROADS ACT, 1902.**

**APPENDIX L.**

**RETURN OF FENCES.**

MEMORANDUM showing the names of the Owners or reputed Owners of the enclosed lands through which the road passes, the length of new fencing required to be erected with each enclosure, and the cost thereof. Also, the length of existing fences which will require removal, and the cost of their re-erection.

Name of Owner or Reputed Owner.	Zones of Enclosures.	Length of Existing Fences.		Remarks.
		New.	Off (to be removed) and Re-erected.	

Information contained in this document was correct at time of publication, but may have been superseded.

(For resumptions of lands and closing of roads "Form B" schedule is to be used.)

Copy to be sent to the Land Agent at \_\_\_\_\_

APPENDIX N.

Form B.

SCHEDULE OF PROPOSED RESUMPTIONS AND WITHDRAWALS, ALSO OF ROAD RE-MARKED, AND OF ROADS PROPOSED TO BE CLOSED UNDER THE "PUBLIC ROADS ACT, 1902."

Re-marked Road, with parts of existing Roads, are to be declared Public Roads. Roads deemed to be unnecessary which are to be closed in connection with the proposed part of road from Yass to Goulburn, and branch road towards Collector.

Parish of Goulburn, County of Argyle, Mulwarree Shire, Land District of Goulburn, Land Board District of Goulburn.

No. of Portion affected.	Area of Portion in acres.	Parish.	Reputed Owner.	Occupier.	Character of Holding.	Width in links of land to be resumed or withdrawn.	Area to be resumed or withdrawn.		a. r. p.	Remarks.
							Acres.	Sq. Rds.		
7	40	Goulburn		Reserved road			3	2	30	The unnecessary part of reserved road 100 links wide which forms part of road from Yass to Goulburn, and
92	40	do	Edgar Jones	do	Freehold	100	1	3	0	The unnecessary part of confirmed road within portion 105, west of the south-eastern prolongation of proposed road is to be closed, and will vest in the owner of the adjoining lands.
105	30	do	Edgar Jones	do	Freehold	100	2	1	0	The unnecessary part of reserved road 100 links wide which forms part of road from Yass to Goulburn, and
12	40	do	Edgar Jones	do	Freehold	Variable	2	0	0	The unnecessary part of reserved road within portion 12, is to be closed, and together with an area of 2 acres 3 rods of Crown lands (part of water reserve 297) lying between portion 12 and proposed road, is to be granted in compensation.
12	40	do	do	do	do	100	1	0	0	The unnecessary part of reserved road within portion 12, is to be closed, and together with an area of 2 acres 3 rods of Crown lands (part of water reserve 297) lying between portion 12 and proposed road, is to be granted in compensation.
33	40	Goulburn	Bank of New South Wales	do	C.P. 1904-786	100	2	7	1 (620)	The unnecessary reserved road within portion 29 is to be closed and added to that portion, the area of portion and C.P. 90-786 to be reduced to 37 acres 3 rods. The unnecessary reserved roads within portions 21 and 22 are to be closed and added to those portions, the areas thereof to be increased to 35 acres and 31 acres, respectively, and area of C.P. 79-84 to 66 acres.
54	40	do	Wm. Edwards	Wm. Edwards	Plt. H.S. 08-74 of 90 acres	100	2	0	0	This area to be withdrawn. The unnecessary boundary road separating portion 54 from part of portion 10 is to be closed and added to portion 54, the area of portion and H.S. 08-74 to remain unaltered.

APPENDIX N—continued.

No. of Portion.	Portions of land affected.	Parish.	Reputed Owner.	Occupier.	Character of Holding.	Width in links of land to be resumed or withdrawn.	Area to be resumed or withdrawn.	Remarks.
97	40	Goulburn	Frank Booth, junior	Frank Booth, junior	C.P.L. 10-59.	100	2 2 10 (includes part of branch road.)	The unnecessary reserved road within portion 97, and unnecessary parts of boundary road separating portions 10 and 102, are to be closed and added to C.P.L. (10-59), portion 97, the area thereof to be increased to 40 acres 3 roods.
102	80	do	John Toomey	J. Toomey	H.S. 00-54, Hom. Grant.	100	2 1 0	The unnecessary boundary road on the east of portion 100, and reserved road within that portion are to be closed and added thereto; the area of the portion and C.P. 07-109 to be increased to 83 acres 3 roods.
95	40	do	Michael Jones	M. Jones	Part S.L. 07-56 of 120 acres.	100	1 2 0 (Part of branch-road.)	This area to be withdrawn.
101	60	do	Frank Booth	F. Booth	Freehold	100	3 2 20 (Part of branch-road.)	The unnecessary parts of reserved road within portion 95 are to be closed and added to that portion, the area thereof to be increased to 40 acres 2 roods; also the unnecessary part of boundary road separating portion 96 from parts of portions 15 and 16, is to be closed and added to portion 96, part of same S.L. The area thereof to be increased to 42 acres and that of the whole S.L. 07-56 to 122 acres 2 roods ex. road.
99	60	do	Oscar Brenner	O. Brenner	C.L. 6-20	100	0 0 16 (Part of branch-road.)	The unnecessary boundary roads separating portion 99 from parts of portions 16 and 17, and from part of portion 107 (west of branch road) are to be closed and added to portion 99, the area thereof and area of C.L. 5,230 to be increased to 64 acres 3 roods.
107 (Privately subdivided).	100	do	P. Halloran Dudley Estate.	P. Halloran Dudley Estate.	Freehold	100	2 1 0 (Part of branch road.)	This area embraces private subdivision road. The re-marked road and all parts of existing roads necessary to preserve the continuity of proposed roads are to be declared to be public roads.

Information contained in this document was correct at time of publication, but may have been superseded.



APPENDIX O.

Part. 195-196

PAPER-  
1, of owner of Portion No. in the Parish of  
in the County of do hereby express my willingness to  
allow the land marked out for a road by Mr. , Surveyor, within the portions specified, to be resumed  
under the Public Roads Act, 1902; and undertake that no claim or compensation shall be made to the Crown in respect  
thereof.

(Name of Owner)  
(Witness)  
(Date)

APPENDIX P.

Part. 57.

TOPOGRAPHICAL SURVEY OF COUNTRY FOR SETTLEMENT.

The object to be aimed at in these Topographical Surveys is to make such a delineation of the various classes of land, features, &c., that designs for subdivision and questions as to the suitability of the land for settlement, &c., can be prepared and answered without further inspection.

In order to secure uniformity in carrying out the surveys, and to ensure that the information so obtained may be readily available, the following directions are to be observed:—  
The area to be surveyed should be inspected with a view to preparing a scheme for conducting operations to the best advantage.

Where there are no existing surveys which can be utilised as bases for the work, rapid theodolite traverses should be run to form backbones to which subsidiary work can be tied. The traverses should be from 5 to 7 miles apart—of course such distance may be increased or decreased at the discretion of the District Surveyor.

The details of the country inspected should be filled in from traverses made by compass or plane table in conjunction with either wire, wheel, or pedometer measurement, or pacing. These traverses should be connected with the backbone traverse or traverses, or with existing surveys.

The limits of the survey should, when practicable, follow fences, features, or tracks; and, in convenient positions, suitable marks should be left for the purpose of starting points or connections for further similar survey.

At any points where traverse lines touch surveyed lines, and also along the traverse lines themselves at suitable intervals, trees should be marked by cutting letters (alphabetically) about 2 feet in length out of the bark, and blazing the bark on the opposite side to the marking. Upon plan of survey should be indicated the kind of tree and aspect towards which the marking faces, e.g., "Gum A east."

Approximate heights shall be observed at intervals by means of an aneroid barometer in order to illustrate the contour of the country. The observations should be made as far as possible at extreme points of elevation or depression.

In addition to the features and information usually depicted and noted, the limits of the following classes of land are to be located:

- First-class agricultural land.
- Second-class agricultural land.
- First-class grazing land.
- Second-class grazing land.
- Land on which standing timber should be conserved.
- Land which should be reserved for Forestry purposes.

Closes are not to be calculated. It will be sufficient if the traverses can be made to close by plotting, and for this purpose they may, if necessary, be swung into position.

The plan should be drawn to a scale of 20 or 40 chains to the inch at the discretion of the District Surveyor. A finished plan is not required, all that is necessary is a working plan on which the requisite information is clearly shown. The lengths and bearings of traverse lines need not be recorded on the plan. Backbone traverses are to be shown by red lines and circles, other traverses by blue lines and circles, observed lines by broken blue lines, and designed roads by broken or dotted black lines.

Descriptions of country, timber, geological formation, &c., are to be written plainly on plan.

The following colours are to be used:—

First-class agricultural land .....	Red tint.	Colours.
Second-class agricultural land .....	Blue tint.	
First-class grazing land.....	Red edging.	
Second-class grazing land .....	Blue edging.	
Land on which standing timber should be conserved.....	Red hatching.	
Land which should be reserved for forestry purposes .....	Crossed red hatching.	
Land which should be reserved for other purposes .....	Green edging.	

In the North Coast district where dairying and allied industries are prominent factors in dealing with the question of settlement, the grazing country should be classified as follows:—

- First-class..... Wholly brush country.
- Second-class..... Brush and forest country (Bastard Brush).
- Third-class..... Open forest country with forest oak.
- Fourth-class..... Dry stock country.

The colours to be used for these are as follows:—

First-class .....	Red edging.
Second-class .....	Blue edging.
Third-class .....	Broken blue edging.
Fourth-class .....	Purple edging.

Abbreviations. Information on the following points should be shown on the plan in the respective areas by abbreviations, as hereunder indicated:—

Value of ringbarking and clearing effected per acre .....	Val. 9d.
Additional cost to kill timber and scrub for grazing, per acre .....	Gr. 2s.
Further additional cost for full clearing for agriculture, per acre .....	Ag. 10s.
Fully improved carrying capacity in acres, per sheep .....	Sh. 1½ ac.
Fully improved carrying capacity in acres, per beast .....	Bt. 3 ac.
Estimated yield in wheat, per acre .....	Wh. 12 bus.

Similar abbreviations may be adopted for other stock and products.

Report. The Report should deal with:—

- Situation and distance from railway, town, or port.
- Means of access.
- Probable cost of clearing and forming roads.
- Rainfall, water supply, and facilities for water conservation.
- Character of the country.
- Purposes for which the land is adapted.
- Improvements and values.
- Areas necessary for home maintenance, and value of land.
  - (a) With existing means of communication.
  - (b) By providing railway communication.
- Timber.
- Land which should be reserved in the public interest.
- Any special matter not included in the foregoing that may come under notice during the survey.

Par. 155.

### APPENDIX Q.

#### CERTIFICATE OF SURVEY OF LAND FOR

I, \_\_\_\_\_, a licensed Surveyor of New South Wales, hereby certify that the land measured by me,

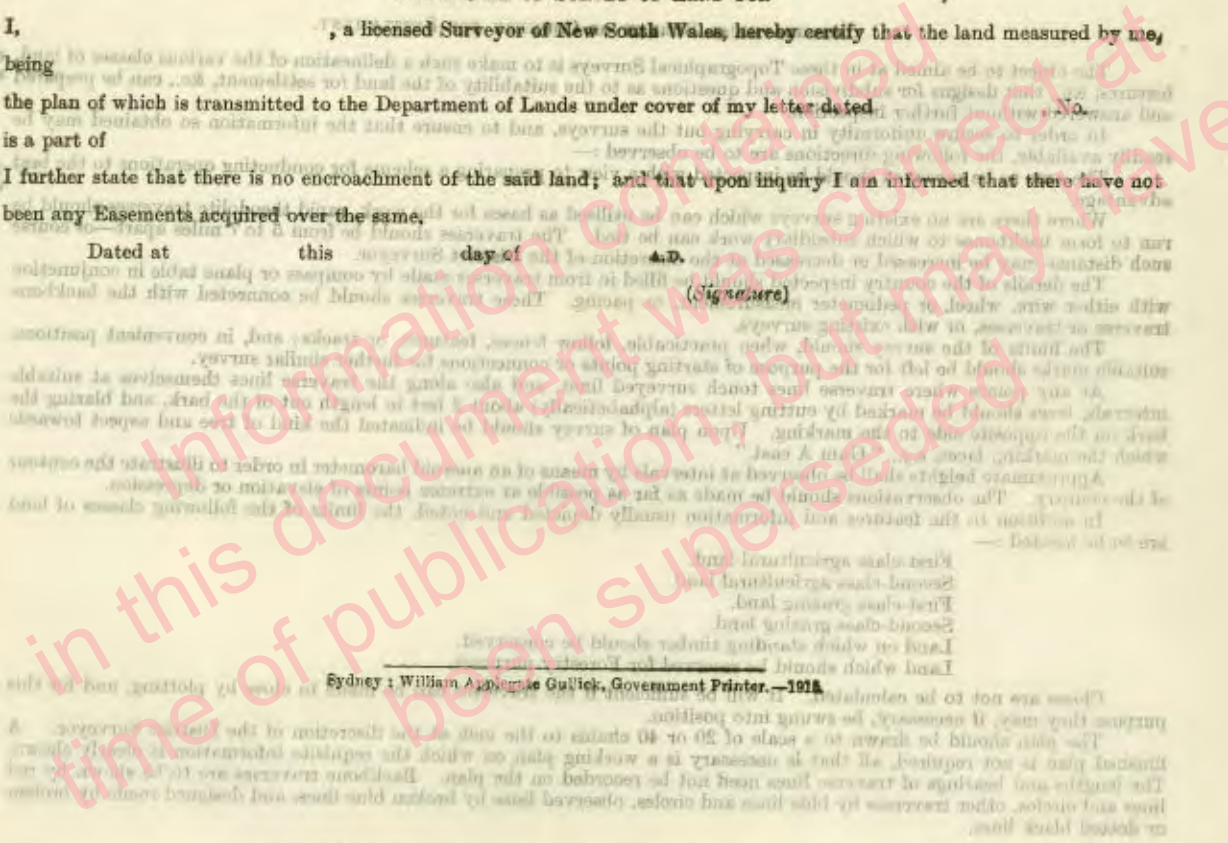
being \_\_\_\_\_ the plan of which is transmitted to the Department of Lands under cover of my letter dated \_\_\_\_\_ is a part of \_\_\_\_\_

I further state that there is no encroachment of the said land; and that upon inquiry I am informed that there have not been any Easements acquired over the same.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ A.D. \_\_\_\_\_

(Signature)

Sydney: William Applegate Gullick, Government Printer.—1918



The following colors are to be used:—

Red line	.....	.....	.....
Blue line	.....	.....	.....
Black line	.....	.....	.....
Green line	.....	.....	.....
Yellow line	.....	.....	.....
White line	.....	.....	.....

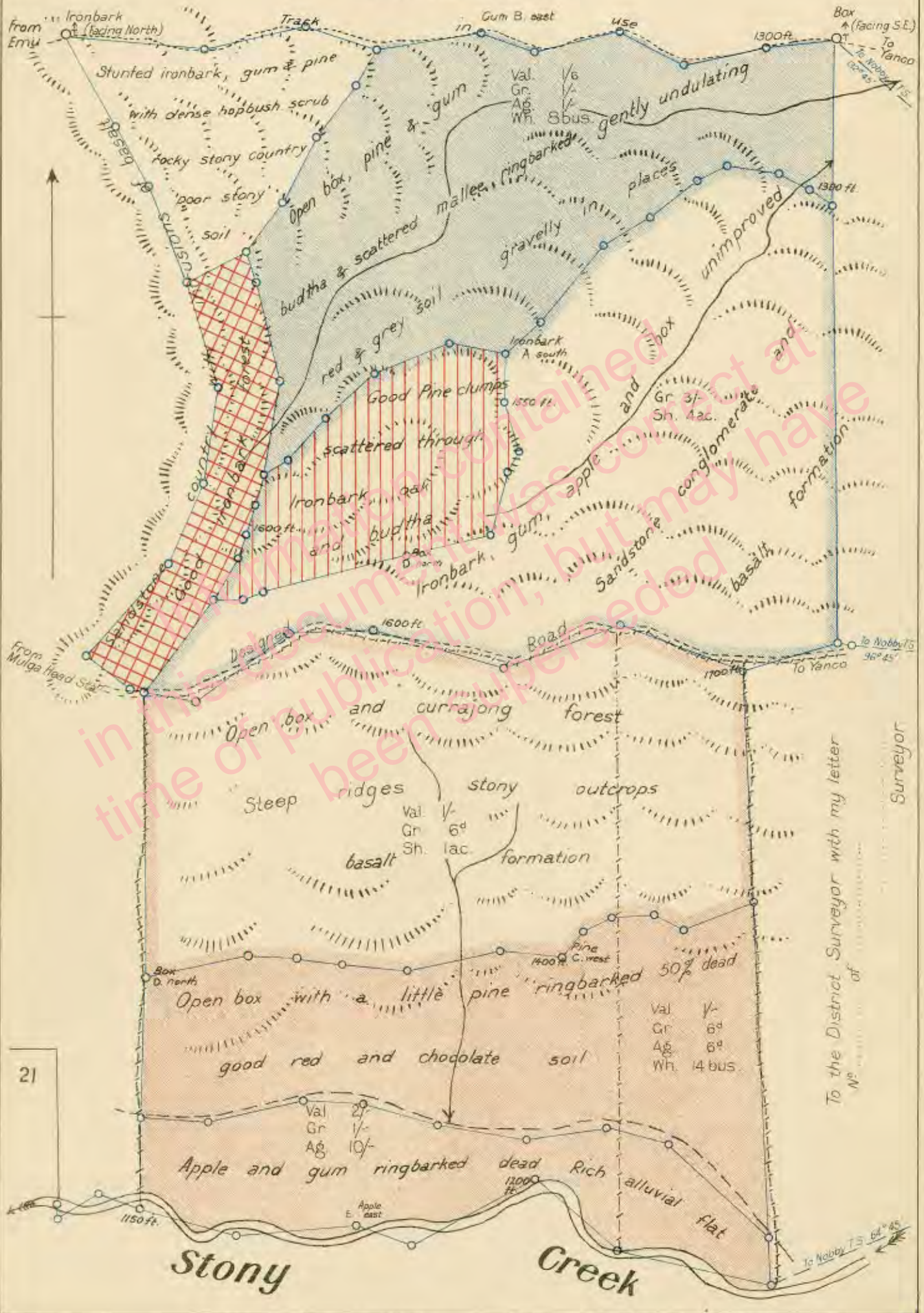
The colors to be used for lines are as follows:—

Red line	.....	.....	.....
Blue line	.....	.....	.....
Black line	.....	.....	.....
Green line	.....	.....	.....
Yellow line	.....	.....	.....
White line	.....	.....	.....

Specimen Plan  
Reg. 87

# Plan of Topographical Survey PARISHES OF HALL AND EMU COUNTY OF HANTS Land District of Yanca

Scale, Chains to an Inch.



21

# PLAN

of land proposed to be resumed and withdrawn under "Public Roads Act 1902" in connection with part of road from Yass to Goulburn, and of branch road towards Collector, also of road re-marked within portion 7

County of Argyle — Parish of Goulburn

Land District of Goulburn — Land Board District of Goulburn

Within Mulwaree Shire

Width of proposed and re-marked roads 100 links

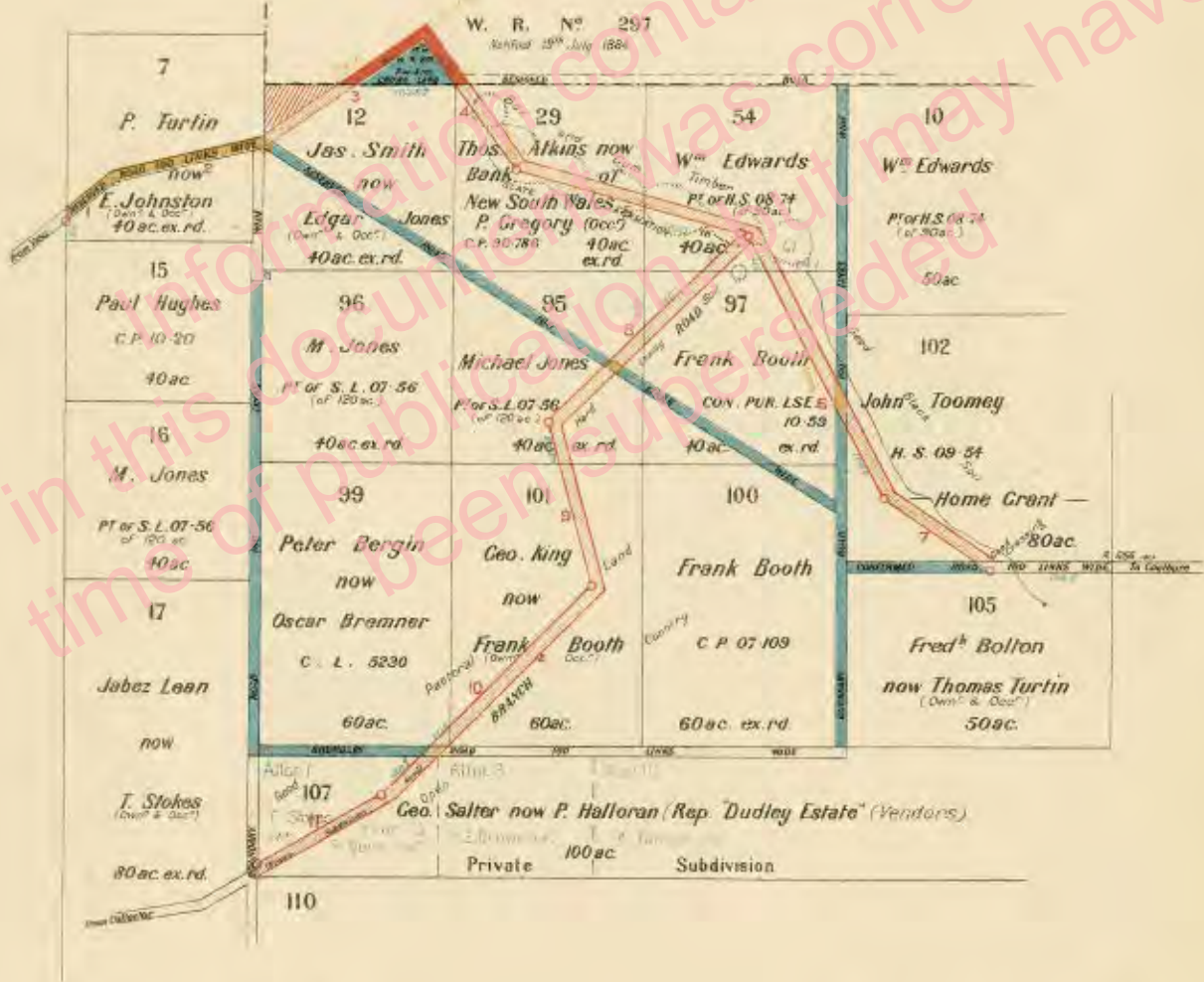
Scale — 20 Chains to an Inch

## Explanatory Notes

Land proposed to be resumed or withdrawn shown by light red colour  
Land proposed to be resumed as severed land shown by red hatching.  
Roads proposed to be closed and added to holdings or proposed to be granted as compensation or part compensation or vested in owner of adjoining land shown by blue colour  
Crown Land proposed to be granted as compensation shown by blue colour  
Road re-marked which with other parts of existing roads are proposed to be declared to be "public roads" shown by dark brown colour  
Crown Land proposed to be dedicated as a public road "under Section 26 Crown Lands Consolidation Act 1903" shown by dark red colour.



Area to be resumed from freehold par 12 for road fac 1, as severed land 2 acres  
Area to be resumed from freehold par 101 for road 3ac 2rd 20per  
Area to be withdrawn from par 102—Hom Grant 2ac 1rd

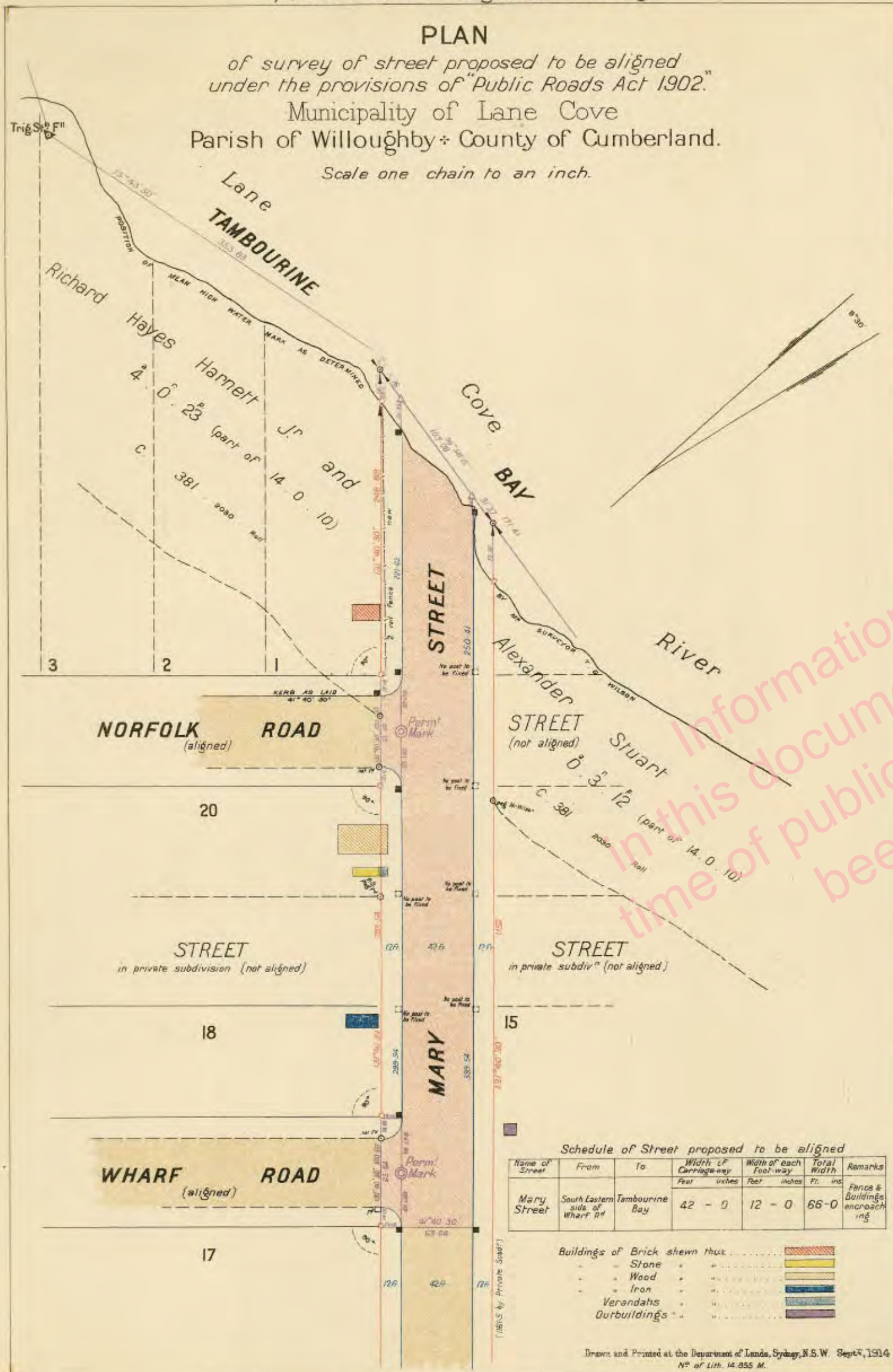


Asimuth taken from  
Survey executed in accordance with regulations of 1914  
Transmitted to the District Surveyor with my letter of  
Voucher N<sup>o</sup> Passed  
Calculation Book N<sup>o</sup> folio  
Checked and Charted  
Examined  
Plan approved

### REFERENCE TO TRAVERSE

Line	Bearing	Distance
1	30° 10'	655
2	76° 20'	4575
3	33° 30'	2000
4	143° 55'	1670
5	108° 45'	2525
6	157° 50'	3775
7	124° 15'	1300
8	225° 0'	2525
9	155° 15'	1820
10	224° 20'	3000
11	239° 30'	1575

Cat. N<sup>o</sup>



### Diagrams in illustration of ALIGNMENT SURVEY

Diagram "A"

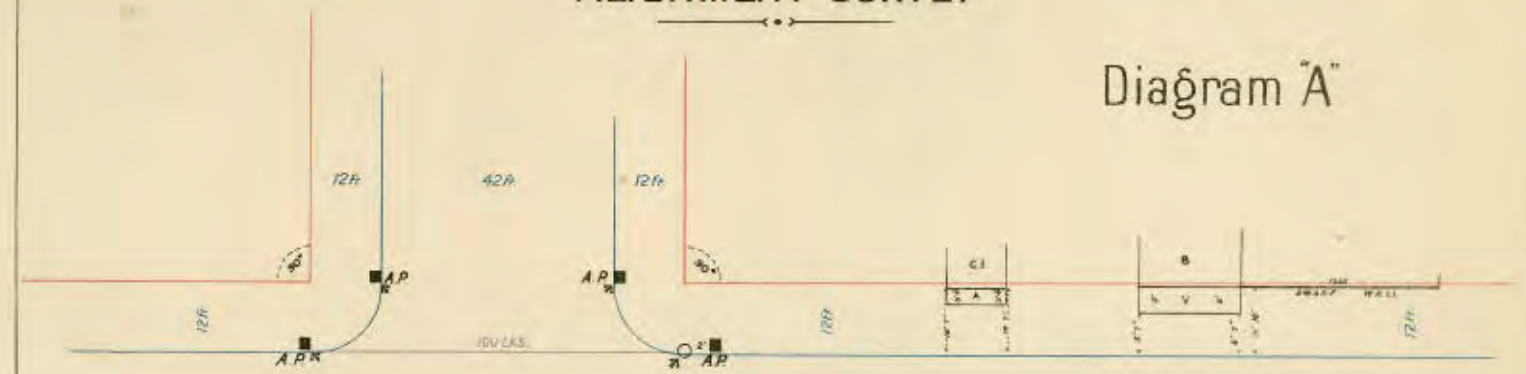


Diagram "B"

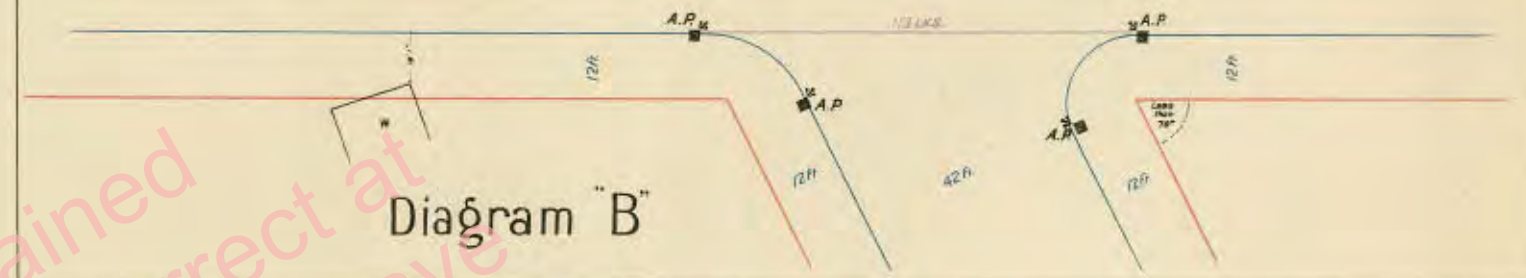


Diagram "E"  
Scale 1 Chain to an Inch

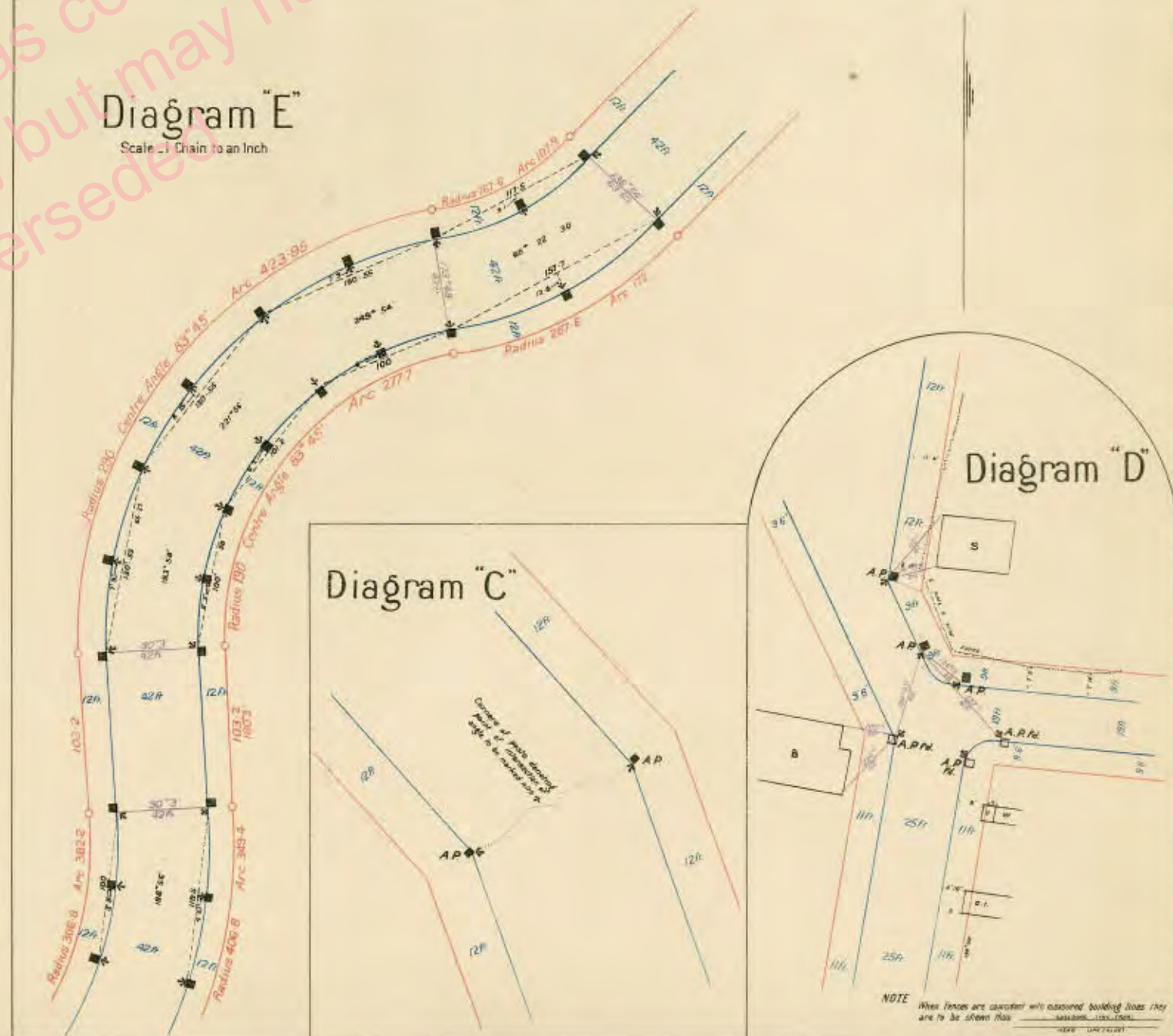


Diagram "C"

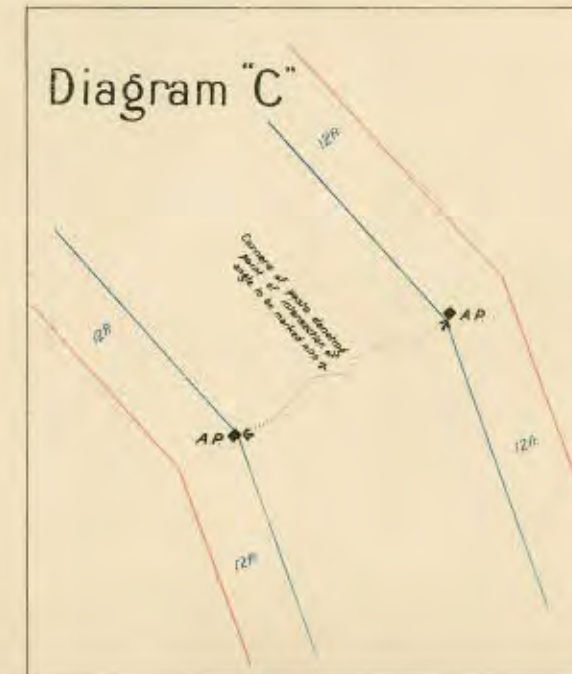
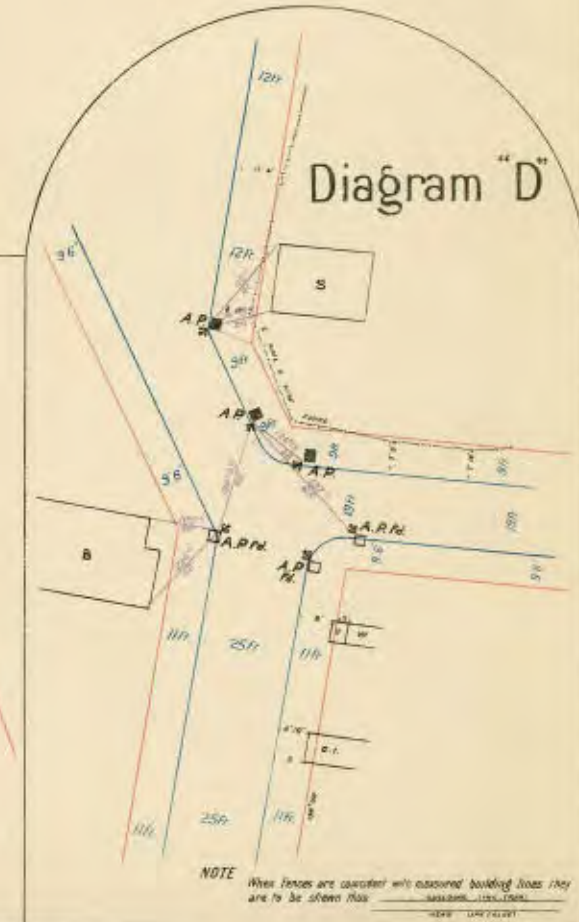
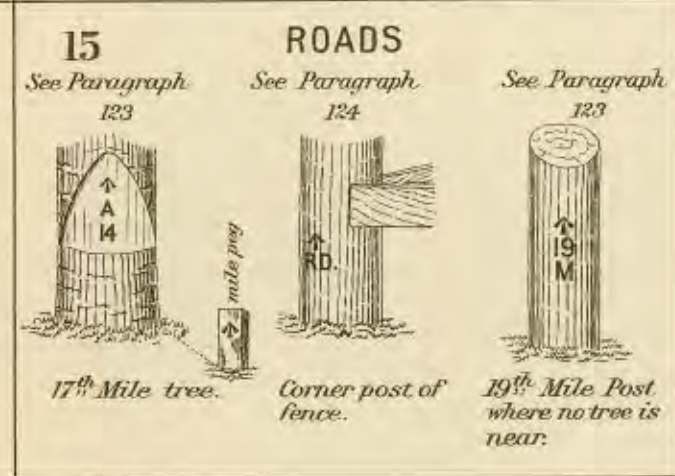
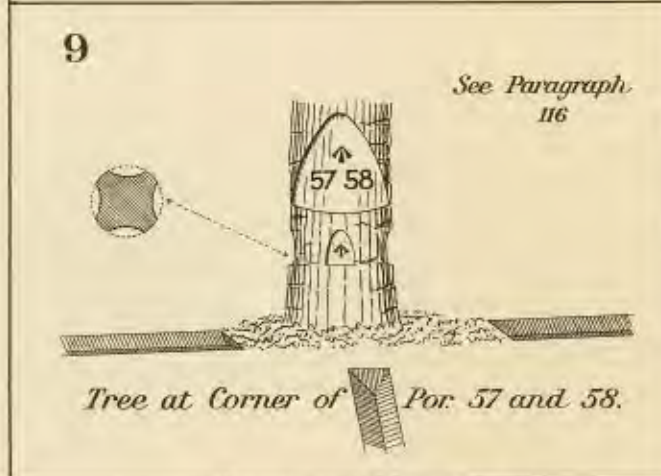
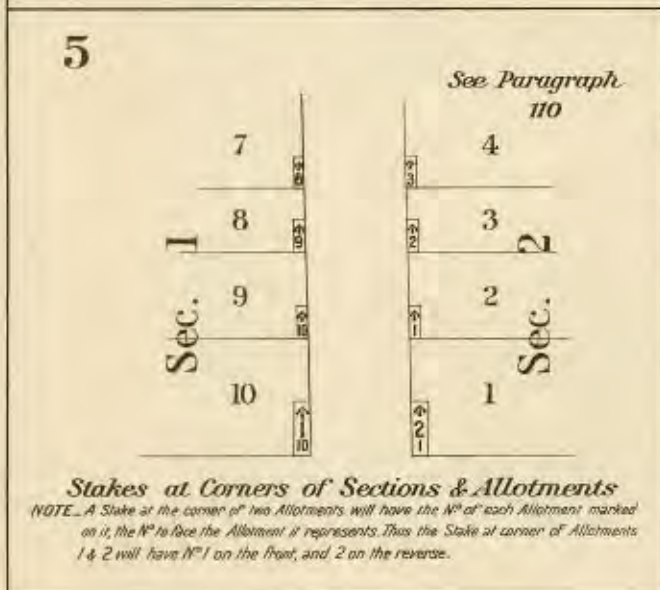
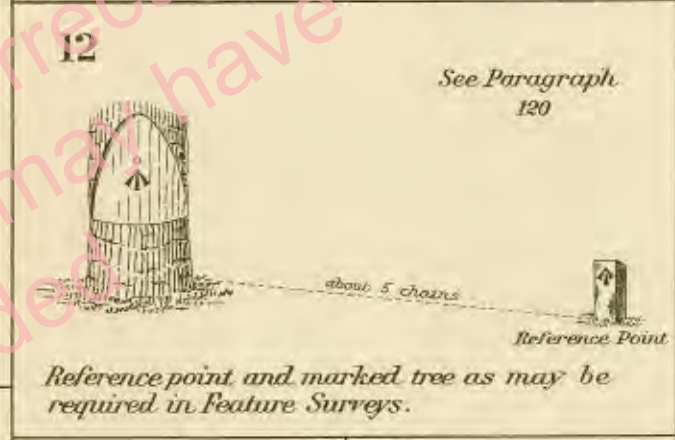
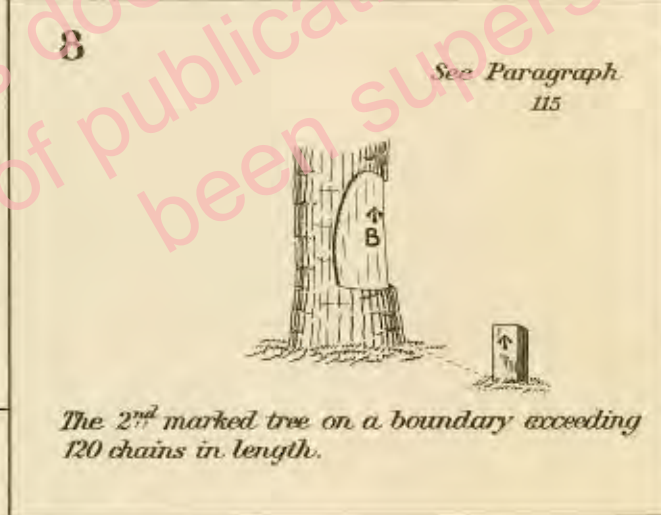
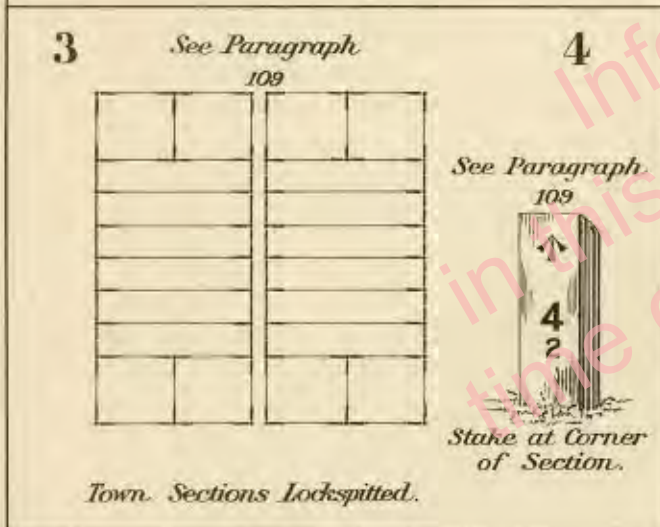
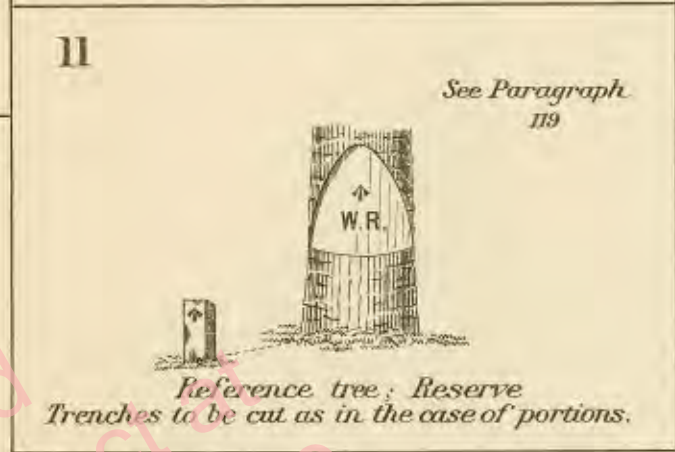
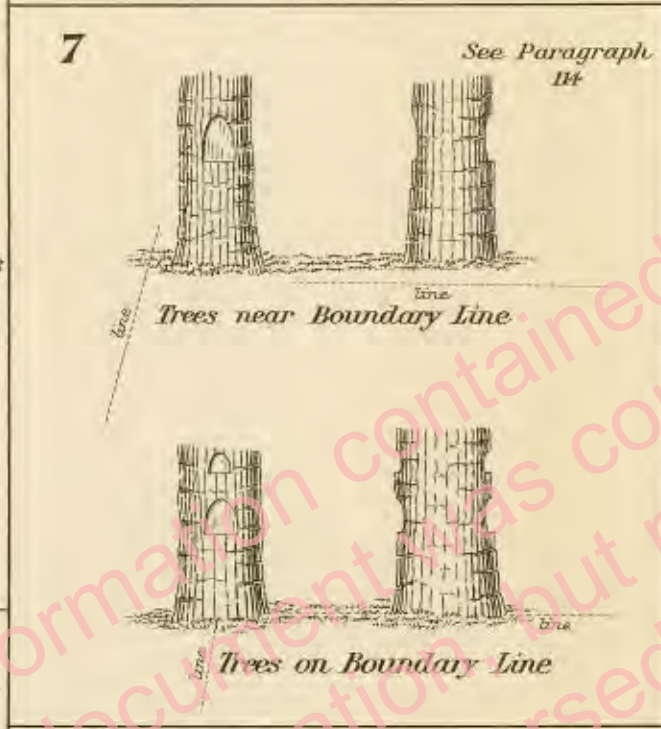
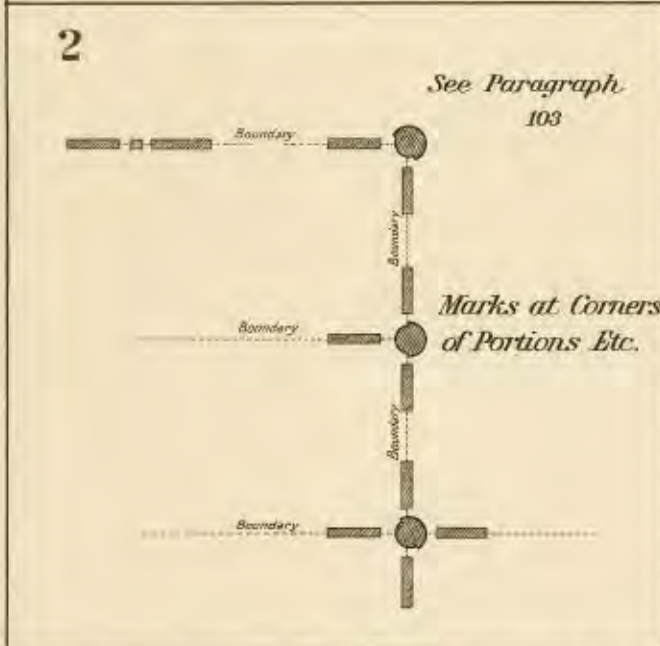
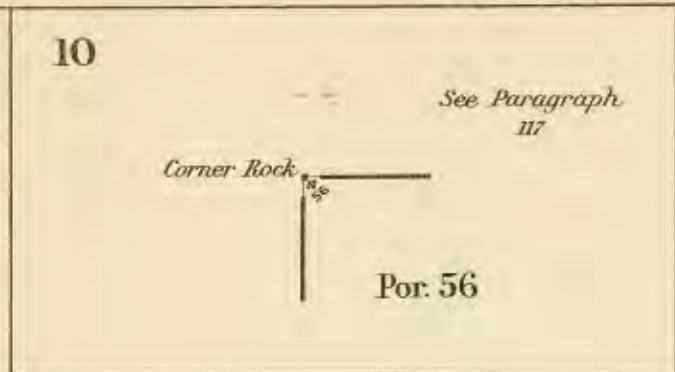
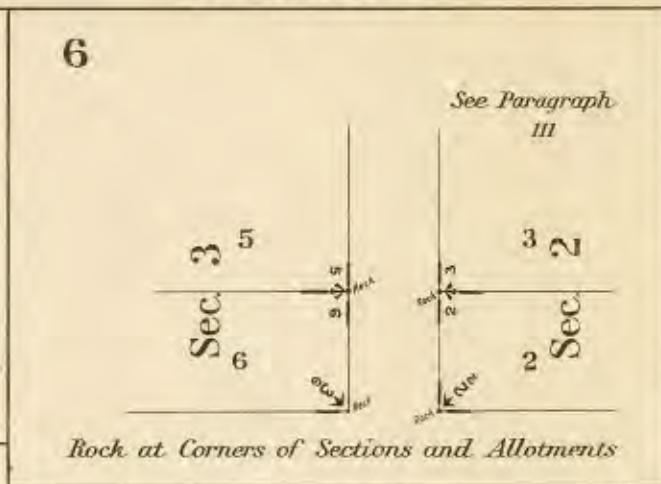
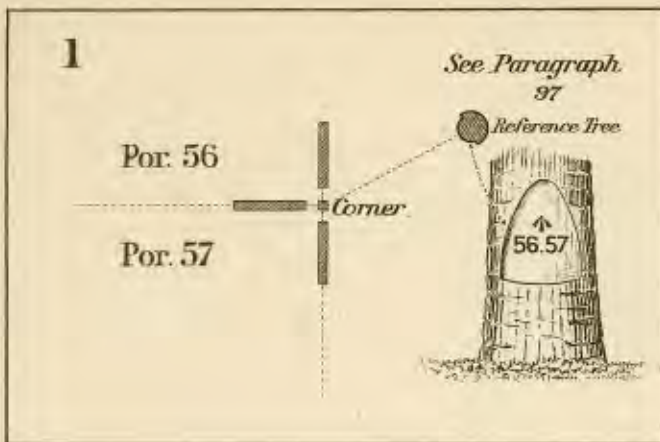


Diagram "D"





SURVEY REGULATIONS 1914

**DISTINGUISHING BOUNDARIES**

OF

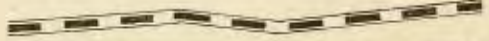

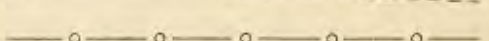
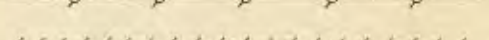
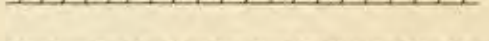
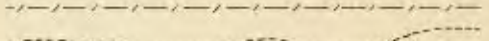
**TERRITORIAL DIVISIONS, RESERVES &c.**

used on maps.

State		— + — + — + — + — +
Territorial Division		— — — — — — — — — —
Pastoral Holding	{ Surveyed	— ○ — ○ — ○ — ○ — ○ — ○ — ○ — ○
	{ Unsurveyed	— — — — — — — — — —
do. Dividing Line	{ Surveyed	— ○ — ○ — ○ — ○ — ○ — ○ — ○ — ○
	{ Unsurveyed	— — — — — — — — — —
County		— x — x — x — x — x — x —
Parish		— . — . — . — . — . — . — . — .
Town		— - - - - - - - - - - - - - - - -
Suburban		— + . — + . — + . — + . — + .
Police Offences Act		— + . — + . — + . — + . — + .
Shire		— + + — + + — + + — + + — + +
Urban Area		— x — x — x — x — x — x — x
Land District		— + + — + + — + + — + + — + +
Proclaimed Gold Field		—   —   —   —   —   —   —   —
Reserve from Conditional Sale within a Gold Field		—    —    —    —    —    —    —    —
Population Area		— - - - - - - - - - - - - - - - -
Municipal		— x — x — x — x — x — x — x
do. Wards		— + + — + + — + + — + + — + +
Rabbit Infested District		— ○ — ○ — ○ — ○ — ○ — ○ — ○ — ○
Reserve from Lease or License		— + + — + + — + + — + + — + +
do. do. Sale and Lease or License		— . — . — . — . — . — . — . — .
do. do. Occupation under the Mining Act		— △ — △ — △ — △ — △ — △ — △ — △
Temporary Reserve from Sale		— - - - - - - - - - - - - - - - -
Inferior Land Lease		— ○ — ○ — ○ — ○ — ○ — ○ — ○ — ○
Classified Areas		— — — — — — — — — —

NOTE — When two boundaries are coincident, such as County and Parish, the more important should be delineated.

Railway on large scale map	
do. on small do. do.	

Public Road	
Surveyed Reserved Road	
Telegraph Line	
Fence { When on a Boundary	
{ When not on a Boundary	
Track	
Trigonometrical Station with Altitude in feet	△ Bald 560
Permanent Mark	○
Observing Station	△

## SURVEY REGULATIONS 1914

## LETTERS SIGNIFICANT OF HOLDINGS &amp; RESERVES

## HOLDINGS

<i>A.C.P.</i>	<i>Additional Conditional Purchase</i>	<i>M.P.</i>	<i>Mining Permit</i>
<i>A.H.L.</i>	<i>Additional Homestead Lease</i>	<i>M.R.</i>	<i>Miner's Right</i>
<i>An.L.</i>	<i>Annual Lease</i>	<i>M.T.</i>	<i>Mining Tenement</i>
<i>AN.R.C.P.</i>	<i>Additional Non-Residential Conditional Purchase</i>	<i>P.M.T.</i>	<i>Private Mining Tenement</i>
<i>A.W.L.</i>	<i>Artesian Well Lease</i>	<i>N.R.C.P.</i>	<i>Non-Residential Conditional Purchase</i>
<i>B.L.</i>	<i>Business License</i>	<i>P.H.</i>	<i>Pastoral Holding</i>
<i>C.L.</i>	<i>Conditional Lease</i>	<i>P.W.P.</i>	<i>Public Watering Place</i>
<i>C.S.</i>	<i>Conditional Sale</i>	<i>P.S.</i>	<i>Public School</i>
<i>C.P.</i>	<i>Conditional Purchase</i>	<i>R.A.</i>	<i>Resumed Area</i>
<i>C.P.L.</i>	<i>Conditional Purchase Lease</i>	<i>R.L.</i>	<i>Residential Lease</i>
<i>C<sup>n</sup>L.</i>	<i>Crown Lease</i>	<i>S.A.</i>	<i>Special Area</i>
<i>D.P.</i>	<i>Deferred Payments</i>	<i>SCPL.</i>	<i>Special Conditional Purchase Lease</i>
<i>G.L.</i>	<i>Gold Lease</i>	<i>SP.G.L.</i>	<i>Special Private Gold Lease</i>
<i>P.G.L.</i>	<i>Private Gold Lease</i>	<i>S.P.M.L.</i>	<i>Special Private Mineral Lease</i>
<i>H.F.</i>	<i>Homestead Farm</i>	<i>S.H.</i>	<i>Suburban Holding</i>
<i>H.L.</i>	<i>Homestead Lease</i>	<i>S.L.</i>	<i>Settlement Lease</i>
<i>H.S.</i>	<i>Homestead Selection</i>	<i>Sc.L.</i>	<i>Scrub Lease</i>
<i>I.A.H.</i>	<i>Irrigation Area Holding</i>	<i>Sn.L.</i>	<i>Snow Lease</i>
<i>I.L.</i>	<i>Improvement Lease</i>	<i>Sp.L.</i>	<i>Special Lease</i>
<i>IN.F.L.L.</i>	<i>Inferior Land Lease</i>	<i>S.P.</i>	<i>Special Purchase</i>
<i>I.P.</i>	<i>Improvement Purchase</i>	<i>T.L.</i>	<i>Tank Lease</i>
<i>L.A.</i>	<i>Leasehold Area</i>	<i>V.L.O.</i>	<i>Volunteer Land Order</i>
<i>M.C.P.</i>	<i>Mining Conditional Purchase</i>	<i>W.L.L.</i>	<i>Western Land Lease</i>
<i>M.L.</i>	<i>Mineral Lease</i>	<i>A.A.P.</i>	<i>After Auction Purchase</i>
<i>P.M.L.</i>	<i>Private Mineral Lease</i>	<i>P.L.</i>	<i>Pastoral Lease (Church &amp; School lands)</i>
<i>F.L.</i>	<i>Farm Lease (Church &amp; School lands)</i>	<i>P.O.L.</i>	<i>Preferential Occupation License</i>
<i>O.L.</i>	<i>Occupation License</i>		

## RESERVES

<i>A.R.</i>	<i>Aboriginal Reserve</i>	<i>R.R.F.</i>	<i>Refuge from Flood Reserve</i>
<i>Auc.R.</i>	<i>Auction do.</i>	<i>R.R.</i>	<i>Railway do.</i>
<i>C.R.</i>	<i>Camping do.</i>	<i>T.C.</i>	<i>Temporary Common do.</i>
<i>FR.</i>	<i>Forest do.</i>	<i>T.R.</i>	<i>Trigonometrical do.</i>
<i>GR.</i>	<i>Old Government Reserve</i>	<i>T.S.R.</i>	<i>Travelling Stock do.</i>
<i>Q.R.</i>	<i>Quarry do.</i>	<i>V.R.</i>	<i>Village do.</i>
<i>R.P.B.</i>	<i>Public Buildings do.</i>	<i>W.R.</i>	<i>Water do.</i>
<i>Rec.R.</i>	<i>Recreation do.</i>	<i>R.from S.&amp;L.</i>	<i>Automatic Reserves on forfeiture and expiry</i>

<i>R. from L<sup>se</sup></i>	<i>Reserve from Lease</i>
<i>R. from L<sup>co</sup></i>	<i>do. from License</i>
<i>R. from L<sup>se</sup> &amp; L<sup>co</sup></i>	<i>do. from Lease &amp; License</i>
○	<i>do. from Occupation under Miner's Right and Business License.</i>

*These abbreviations are to be used only where there is insufficient space, otherwise the particulars are to be written at length.*



*Conditional Purchase*

*(To be left clear for  
Registration No.)*

Licensed Surveyor  
to the District Surveyor at  
transmitting plan of \_\_\_\_\_ portion  
conditionally purchased by \_\_\_\_\_

*Voucher No.  
Advice forwarded  
Voucher do*

C. P. No. \_\_\_\_\_ at (a) \_\_\_\_\_

*At least one third margin*

No. (see par. 204)

Place \_\_\_\_\_

Date \_\_\_\_\_

19 \_\_\_\_\_

*Cat. No.  
Area applied for  
Area measured  
Survey fee paid £  
Do incurred £  
Charted  
Examined  
Plan approved*

Sir,

I have the honor to transmit herewith  
the Plan of \_\_\_\_\_ portion of land  
containing \_\_\_\_\_ numbered \_\_\_\_\_  
in the Parish of \_\_\_\_\_ in the  
County of \_\_\_\_\_ conditionally  
purchased by \_\_\_\_\_  
under the \_\_\_\_\_ Section of the "Crown Lands  
Consolidation Act 1913," measured by me on  
\_\_\_\_\_ (b) \_\_\_\_\_ in  
accordance with Instructions No. \_\_\_\_\_  
dated \_\_\_\_\_

(c)

*Here follows general report e.g. whether the  
applicant's starting point "was found on the ground"  
and if so, how indicated on plan, or whether it "was  
not found." Description of Land, Timber and Water  
Supply; Information as to Roads, Improvements,  
specifying particulars of each ownership and date  
of completion; Included areas under Authorized  
Mining occupation, if any, and Parts of boundaries  
which might be exempted from fencing.*

**NOTES**

- (a) Name of Land Office and Shire
- (b) Date of Survey
- (c) If within a Gold Field state name

I have the honor to be,

Sir,

Your obedient Servant,

Signature \_\_\_\_\_

Licensed Surveyor

*- 1 Inch clear -*

*Alienation*

*(To be left clear for  
Registration N<sup>o</sup>)*

Licensed Surveyor ..... to the  
District Surveyor at .....  
transmitting plan of ..... portion measured  
for sale.....

(a) .....,  
(Place) .....,  
(Date) ..... 191

*W<sup>th</sup>* (d) .....

N<sup>o</sup> (see par. 201)

Sir,

*At least one third margin*

*To be left clear*

I have the honor to transmit  
herewith the plan of ..... portion of  
land containing ..... in  
numbered ..... in  
the Parish of ..... in  
the County of ..... within  
the ..... (b) .....  
measured by me on ..... (c) ..... in  
accordance with Instructions N<sup>o</sup> .....  
dated.....

**NOTES**

(a) Insert name of Land District  
and Shire.

(b) Name of Run and Name of  
Gold Field, if within either or both.

(c) Date of Survey.

(d) Registration N<sup>o</sup> of papers enclosed.

I estimate the value of the land  
at ..... per acre.

*Here follows general report on conditions of land  
measured, or reference to Schedule of particulars enclosed,  
report on improvements (if any) &c.*

I have the honor to be,

Sir,  
Your obedient Servant,

*(Signature)*

Licensed Surveyor

To be left clear for  
Registration N<sup>o</sup>

Conditional Lease

Licensed Surveyor  
transmitting plan of  
Land District of

to the District Surveyor  
acres applied for by  
as Conditional Lease N<sup>o</sup>

At least one third margin

(Place)

(Date)

19

Voucher N<sup>o</sup>  
Advice forwarded  
Voucher forwarded

N<sup>o</sup>

(see para 201)

Sir,

I have the honor to transmit herewith  
the plan of an area of \_\_\_\_\_ acres, numbered  
\_\_\_\_\_ in the Parish of \_\_\_\_\_  
County of \_\_\_\_\_ measured  
by me on the \_\_\_\_\_ for  
Conditional Lease N<sup>o</sup> \_\_\_\_\_ of the  
Land District, applied for by \_\_\_\_\_

Cat. N<sup>o</sup>  
Area applied for  
Area measured  
Survey fee paid £  
Disincurred under  
Regulations £

Conditional Purchase N<sup>o</sup> \_\_\_\_\_ in virtue of  
portion numbered \_\_\_\_\_ being  
\_\_\_\_\_ in the Parish  
of \_\_\_\_\_ County of \_\_\_\_\_

Charted  
Examined  
Plan approved

This Survey has been effected in  
accordance with Instructions N<sup>o</sup> \_\_\_\_\_  
dated \_\_\_\_\_ issued by the  
District Surveyor

I have also the honor to furnish the  
following information:-

1. Objections to the Lease on the ground of Mining occupation or otherwise.

SPENCER & CO

Remarks, including any necessary  
details respecting the survey.

Report on Form L. L. B. 78 forwarded herewith.

I have the honor to be,

Sir,

Your obedient servant,

Signature

---

District Surveyor's Report to Chairman of Local Land Board.

*To be left clear*

## Improvement Purchase

Licensed Surveyor

to the District Surveyor at  
transmitting plan of a portion of land on the

(a)

applied for by

J. P.

(b)

at

(c)

(Place)

(Date)

N<sup>o</sup>. (see par. 201)

19

Sir,

I have the honor to transmit herewith the plan of a portion of land, containing being allotment of section of the Town of within the (d) Gold Field situated in the Parish of in the County of applied for to purchase by (e).

Papers (h)  
and plan herewith

At least one third margin

To be left clear

### NOTES

- (a) Name of Gold Field
- (b) Application Number
- (c) Name of Land Office
- (d) Name of Gold Field
- (e) Name of Applicant as in authorised occupation
- (f) Date of Survey
- (g) N<sup>o</sup> and date of Instruction
- (h) Registration N<sup>o</sup> of papers enclosed
- (i) Applicant or previous owner
- (j) Applicant or other person
- (k) Value per acre

under the 62<sup>nd</sup> Section of the "Crown Lands Consolidation Act 1913" and measured by me on (f).

in compliance with Instruction N<sup>o</sup> (g)

The improvements effected upon this land, and in respect of which the application for pre-emption is made, are as follows:—

Description of Improvements	DATE		Value		
	When Commenced	When Completed	£	s.	d.
<b>Total</b>					
					over

The improvements were inspected by me  
 on the ..... 19.....; I ascertained  
 that they were made by ..... (i) .....  
 and now belong to ..... (j) .....

I am of opinion that they were commenced  
 and completed upon the dates specified.....  
 .....  
 .....

At date of survey the applicant was  
 resident .....

I am of opinion the land above specified  
 is worth ..... (k) .....

I have the honor to be

Sir,

Your obedient Servant,

Signature.....

Licensed Surveyor

*1. Inch, clear*

*To be left clear for  
Registration No.*

Licensed Surveyor  
to the District Surveyor at  
reporting on application for Improvement Purchase  
No. (a)  
at (b)  
Land District of (c)  
(Place)  
(Date) 19

*Papers  
hereewith (g)*

No. (see par 201)

Sir,

*At least one third margin*

In compliance with instructions by your letter  
No. dated

I have the honor to report on the character, value, and  
ownership of the improvements on allotment

of section of the Town of  
situated in the Parish of  
in the County of  
the (d) within  
Gold Field applied for by  
(e)

under the 62<sup>nd</sup> Section of the "Crown Lands  
Consolidation Act 1913."

**NOTES**

- (a) Application Number
- (b) Name of Gold Field
- (c) Name of Land Office
- (d) Name of Gold Field
- (e) Name of Applicant as  
in authorized occupation
- (f) Date of inspection
- (g) Registered No. of papers enclosed
- (h) Value of land

I inspected the above mentioned land on the  
(f) and found  
certain improvements, which are the property of

the particulars of which are as follows:-

Description of Improvements	When Commenced	When Completed	Value

*40-10-1913*

*Information contained in this document was correct at the time of publication, but may have been superseded*

At date of inspection the applicant was  
resident

The land above specified was measured  
by ..... and the plan  
was transmitted by his letter No. ....  
to .....

A copy of the plan is herewith enclosed  
showing the improvements now reported I am of  
opinion that the allotment is worth .....

I have the honor to be,

Sir,

Your obedient Servant,

Signature

Licensed Surveyor.

Information contained  
in this document was correct at  
time of publication, but may have  
been superseded

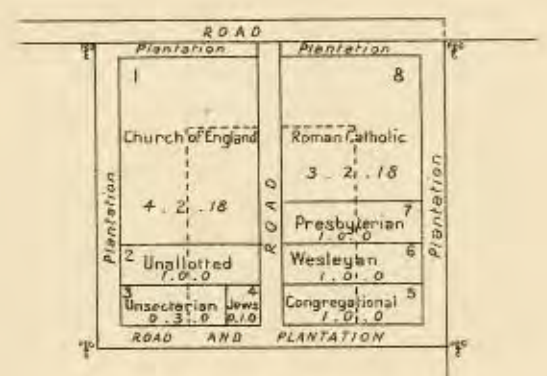


Examples of Design for  
**GENERAL CEMETERIES**

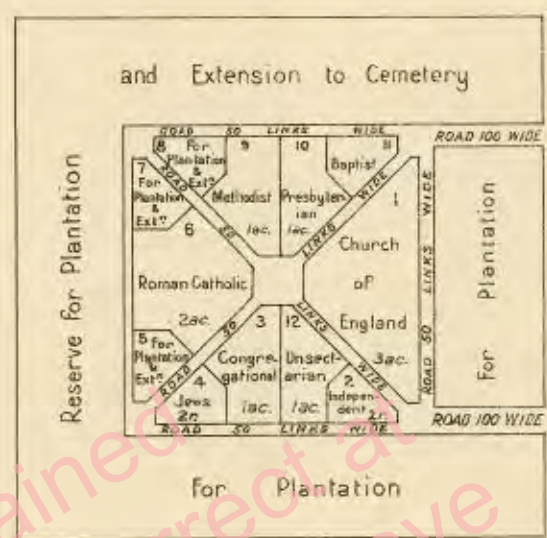
See Paragraph 95

**NOTE**  
The area which is sufficient for present use is indicated by broken lines.

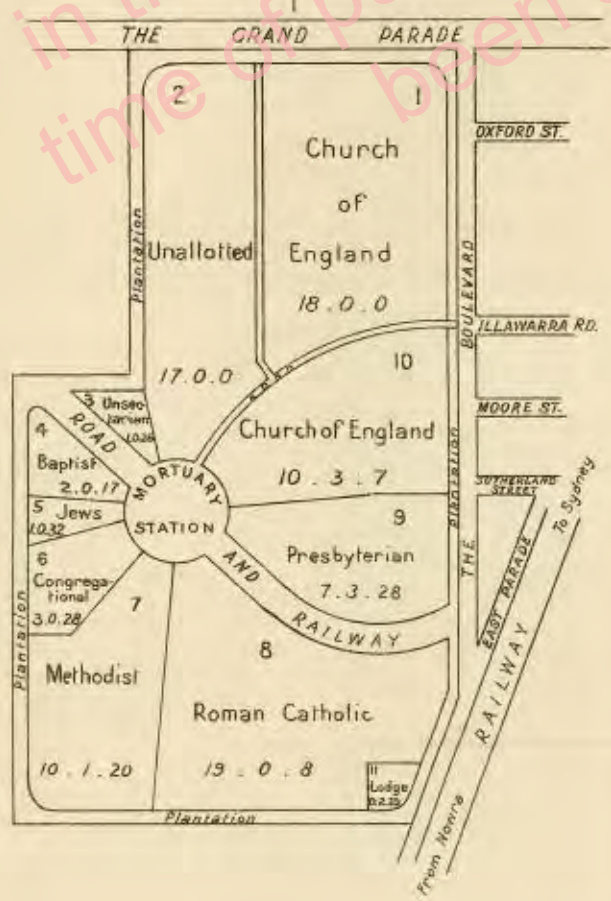
1



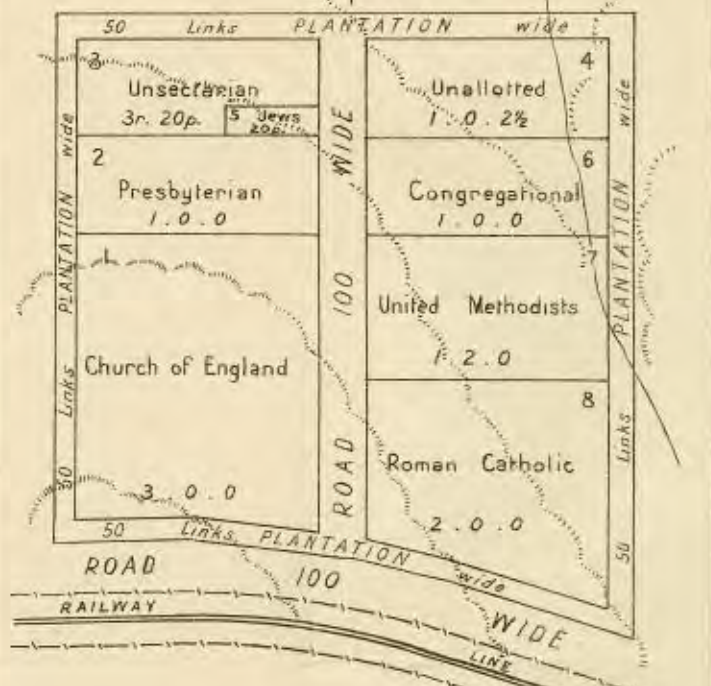
3



2



4



Information contained in this document was correct at time of publication, but may have been superseded

# PLAN OF PORTION 41

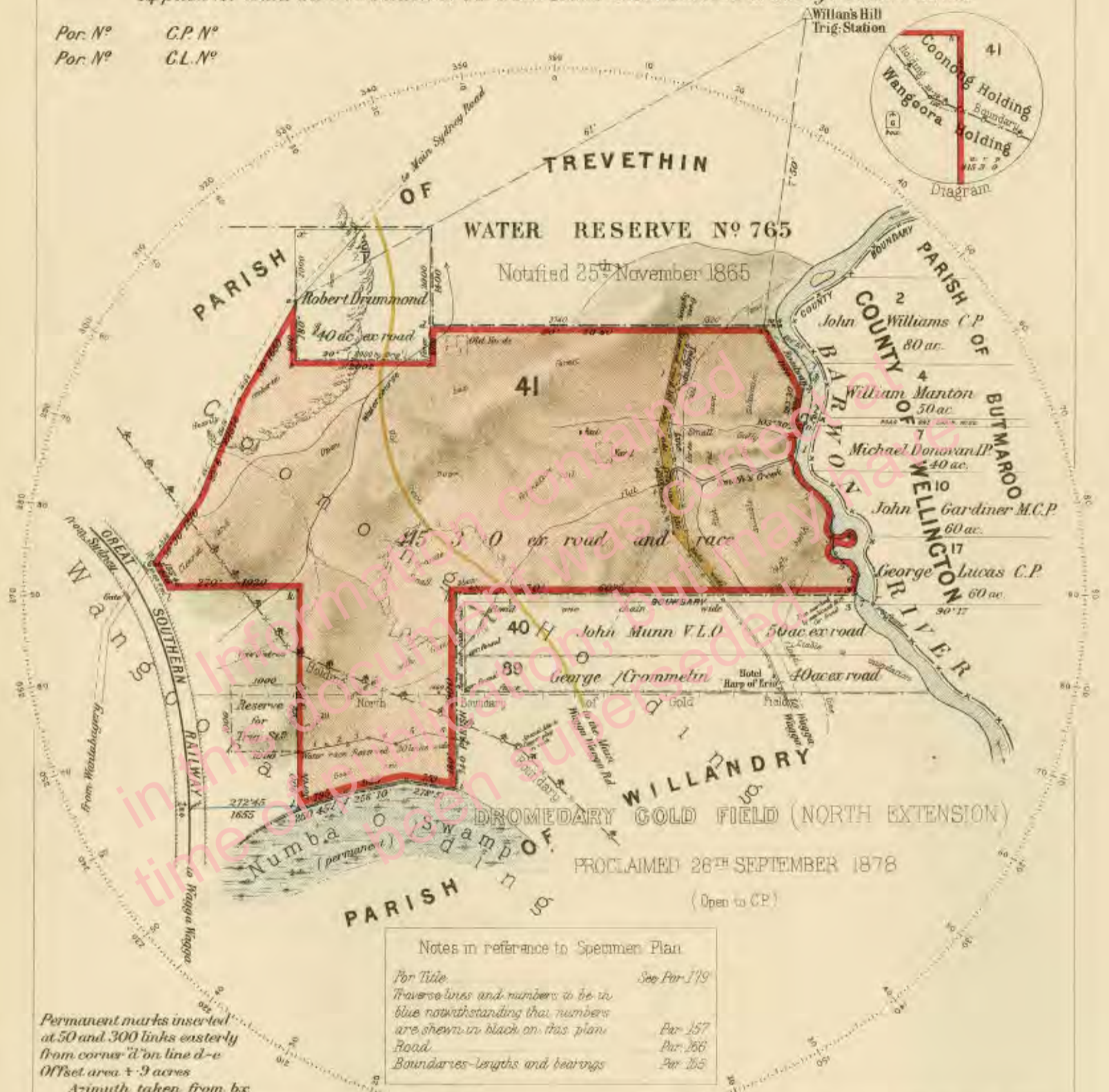
County of Mossgiel — Parish of Trevethin

LAND DISTRICT OF HILLSTON — LAND BOARD DISTRICT OF HAY

Resumed Areas N° 36 Coonong & 145 Wangoora Pastoral Holdings, Central Division

Applied for under the 44<sup>th</sup> Section of the Crown Lands Consolidation Act of 1913 by William O'Connor

Por. N° C.P. N°  
Por. N° C.L. N°



Permanent marks inserted at 50 and 300 links easterly from corner 'd' on line d-e  
Offset area 4.9 acres  
Azimuth taken from bx

Notes in reference to Specimen Plan  
For Title See Por. 119  
Traverse lines and numbers to be in blue notwithstanding that numbers are shown in black on this plan Por. 157  
Road Por. 266  
Boundaries—lengths and bearings Por. 265

Reference to Corners

Corner	Bearing	From	Links	ft on Tree
a	270°	gum	1	42
b	20°10'	gum	13	1 41
c	180°21'	box	18	1 41
d	240°30'	box	20	41 nr
e	47°17'	box	12	41
f	300°27'	box	20	41
g	17°40'	box	10	41
h	Stake			41
i	At corner gum			41
j	45°	gum	2	41
k	Stake			41
l	130°20'	gum	10	41
m	36°	box	15	41
n	43°5'	gum	6	41
r	200°30'	gum	27	17
x	20°10'	box	4	?

Reference to Traverse

Line	Bearing	Distance	Line	Bearing	Distance
<b>River Traverse</b>					
1	191°25'	680			
2	137°30'	900			
3	176°00'	570			
4	86°00'	330			
5	129°30'	510			
6	194°44'	318			
7	117°25'	300			
<b>Road Traverse</b>					
1	190°30'	1650			
2	170°25'	555			
3	260°25'	100			
<b>Road Traverse (Contd)</b>					
4	170°25'	560			
5	80°25'	100			
6	170°25'	450			
7	144°8'	1188			
<b>Race Traverse</b>					
1	80°30'	490			
2	90°00'	315			
3	71°00'	340			
4	103°30'	410			
5	67°35'	460			
6	100°51'	485			

I hereby certify that I in person made, and on the 8<sup>th</sup> Oct 1900 completed the survey represented on this plan, on which are written the bearings and lengths of the lines measured by me, and I declare that the survey has been executed in accordance with the regulations published for the guidance of Licensed Surveyors, and the practice of the Department of Lands.

Thomas Williams  
Licensed Surveyor

Transmitted to the District Surveyor with my letter of October 10<sup>th</sup> 1901/75

Voucher N° Passed  
Calculation Book N° Folio  
Checked and Charted  
Examined  
Plan approved

Value of Improvements  
Int. £100 yard. £10  
appliance; Old yard. £ 6  
Old 3 rail fence (each). £ 20

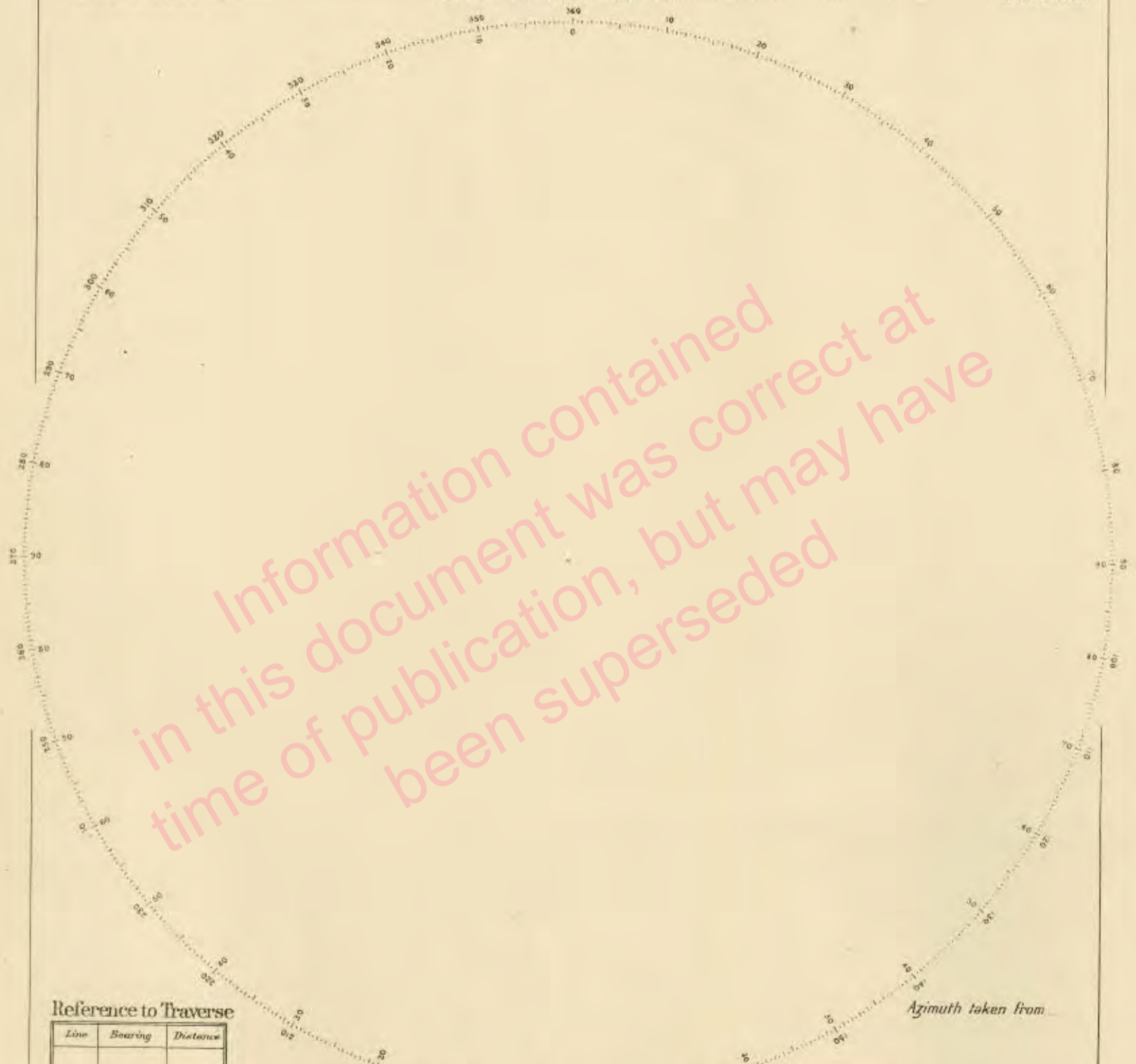
320 g 42°30' 100  
Scale 20 Chains to an Inch

# PLAN OF

Parish of  
Land District of

County of  
Land Board District of

Division.



Information contained  
in this document was correct at  
time of publication, but may have  
been superseded

### Reference to Traverse

Line	Bearing	Distance

### Reference to Corners

Corner	Bearing	From	Links	N° on True

Azimuth taken from

### DECLARATION

*I, \_\_\_\_\_ of \_\_\_\_\_ Licensed Surveyor, specially licensed under the Real Property Act, do hereby solemnly and sincerely declare that the boundaries and measurements of this Plan are correct for the purposes of the said Act, and that the said Plan and Survey have been prepared and made by me under my immediate supervision, also that the Survey was completed on the day of \_\_\_\_\_ 19\_\_\_\_ and executed in accordance with the Regulations published for the guidance of Licensed Surveyors, and the practice of the Department of Lands, and I make this solemn declaration conscientiously believing the same to be true, and by virtue of the provisions of the Oaths Act 1900.*

*Subscribed and declared before me this \_\_\_\_\_ day of \_\_\_\_\_ A.D. 19\_\_\_\_*

Licensed Surveyor

J.P.

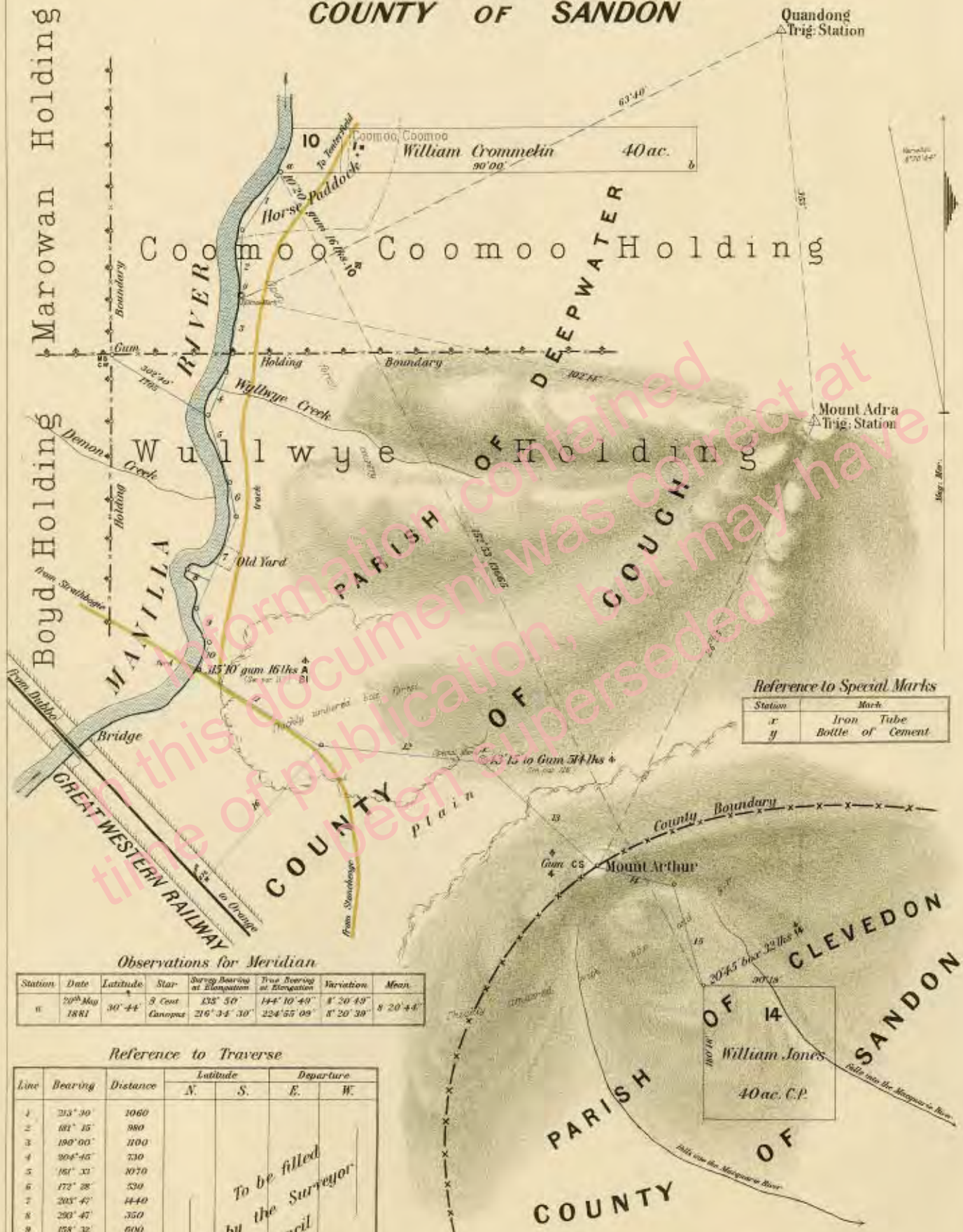
*Transmitted to the District Surveyor with my letter of Voucher N° \_\_\_\_\_ Passed \_\_\_\_\_ Checked and Charted \_\_\_\_\_ Examined \_\_\_\_\_ Plan approved \_\_\_\_\_*

N° \_\_\_\_\_  
Calculation Book N° \_\_\_\_\_ Folio \_\_\_\_\_

Scale Chains to an Inch

(Par 200)

**PLAN**  
*of Connection between*  
**Portion 10—Parish of Deepwater**  
**COUNTY OF GOUGH**  
*and*  
**Portion 14—Parish of Clevedon**  
**COUNTY OF SANDON**



*Reference to Special Marks*

Station	Mark
x	Iron Tube
y	Bottle of Cement

*Observations for Meridian*

Station	Date	Latitude	Star	Survey Bearing at Elevation	True Bearing at Elevation	Variation	Mean
w	29 <sup>th</sup> May 1881	30° 44'	S. Coat Canopus	135° 50'	144° 10' 49"	8° 20' 49"	8° 20' 44"
				216° 34' 30"	224° 55' 09"	8° 20' 39"	

*Reference to Traverse*

Line	Bearing	Distance	Latitude		Departure	
			N.	S.	E.	W.
1	213° 30'	1060				
2	181° 15'	980				
3	190° 00'	1100				
4	304° 45'	730				
5	161° 32'	1070				
6	173° 28'	520				
7	203° 47'	1440				
8	290° 47'	750				
9	158° 32'	600				
10	206° 17'	375				
11	123° 23'	2160				
12	95° 29'	2430				
13	159° 14'	2230				
14	102° 59'	1200				
15	165° 12'	1830				
16	224° 28'	2740				

*To be filled in by the Surveyor in pencil*

*Azimuth taken from ab*  
 Scale 20 chains to 1 inch

*I hereby certify that I in person made and on the 10<sup>th</sup> October 1900 completed the survey represented on this plan, on which are written the bearings and lengths of the lines measured by me, and I declare that the survey has been executed in accordance with the regulations published for the guidance of Licensed Surveyors and the practice of the Department of Lands*

*Thomas Williams*  
 Licensed Surveyor



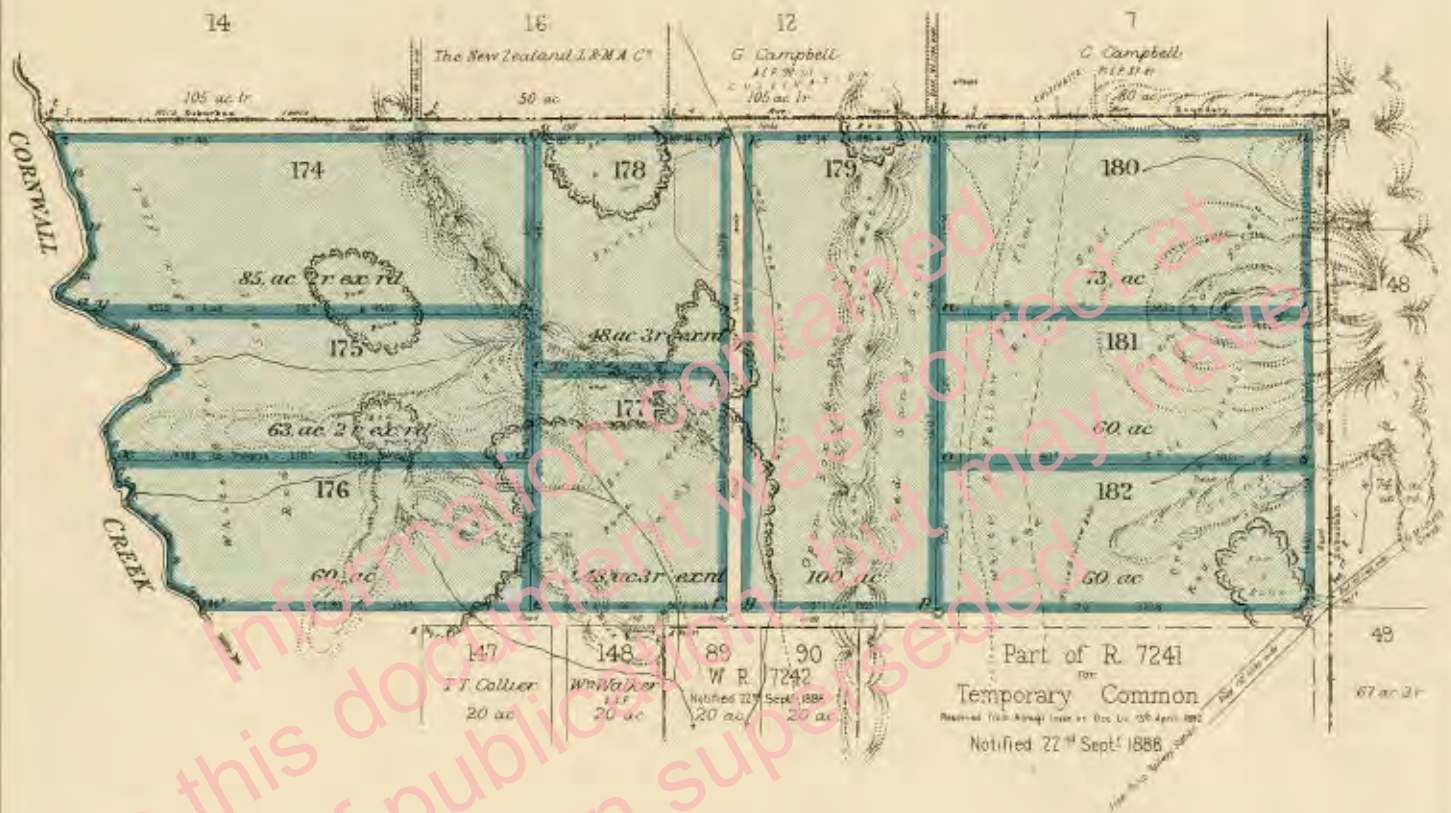
PLAN

OF 9 PORTIONS N<sup>o</sup> 174 to 182.

County of Lincoln, Parish of Geurie

LAND DISTRICT OF DUBBO — LAND BOARD DISTRICT OF DUBBO

Resumed Area N<sup>o</sup> 213 — Geurie Pastoral Holding — Central Division



Of these Areas  
Port 174 + 5 ac  
" 175 + 4 ac  
" 176 + 2 ac

Azimuth taken from A 8

Observations for Meridian

Station	Date	Latitude	Star	Bearing bearing at observation	True bearing at observation	Variation	Mean
A	1880	33° 25'	Aldebaran	224° 24'	233° 05' 56"	8° 11' 56"	8° 11' 50"
			Antares	325° 20'	334° 02' 44"	8° 11' 44"	8° 11' 50"

Reference for Special Marks

From	Bearing	Distance	Mark
a	88° 35'	20 ch.	Gas pipe
j	263° 34'	20 do.	Cut pipe
p	90° 01'	20 do.	Copper pipe
q	270° 01'	20 do.	Bells cement

Reference to Corners

Line	Bearing	From	Links	Notes
a	223° 41'	Box	10 1	174-178
b	155° 25'	Box	54 0	174-175
c	780° 30'	Box	56 8	177-178
d	147° 3'	Box	20 3	175-176
e	299° 55'	Box	34 6	176-177
f	55° 0'	Pine	12 0	177
g	253° 59'	Box	32 7	179
h	305° 18'	Pine	4 6	177-178
i	0° 34'	Box	21 0	12-16
j	225° 30'	Yellow Box	36 9	178
k	45° 45'	Yellow Box	44 1	179
l	9° 34'	Yellow Box	18 0	7
m	13° 0'	Box	155 9	175-180
n	219° 35'	Box	87 3	180-181
o	264° 51'	Box	81 8	181-182
p	256° 13'	Pine	121 0	179-182
q	168° 35'	Pine	11 0	182
r	10° 53'	Box	30 7	182
s	235° 41'	Box	30 1	181-182
t	35° 43'	Box	105 2	180-181
u	29° 58'	Box	71 5	180
v	39° 33'	Curriajong	100 0	7
w	176° 50'	Box	24 4	176
x	54° 42'	Box	21 5	175-176
y	90° 25'	Box	24 4	174-175
z	140° 13'	Box	29 8	174

Reference to Traverse

Line	Bearing	Distance
1	331° 37'	148
2	295° 40'	290
3	356° 44'	520
4	308° 46'	562
5	22° 08'	173
6	175° 45'	151
7	346° 32'	260
8	346° 32'	343
9	48° 23'	362
10	316° 22'	356
11	297° 48'	696
12	297° 48'	379
13	39° 02'	537
14	349° 06'	524
15	337° 50'	813

I hereby certify that I in person made and on the 25<sup>th</sup> March 1888 completed the survey represented on this plan, on which are written the bearings and the lengths of the lines measured by me and I declare that the Survey has been executed in accordance with the regulations published for the guidance of Licensed Surveyors and the practice of the Department of Lands.

Licensed Surveyor

Transmitted to the District Surveyor with my letter of 25<sup>th</sup> March 1888 N<sup>o</sup> 19

Voucher N<sup>o</sup> Passed  
Calculation Book N<sup>o</sup> Foho  
Checked and Charted  
Examined

Plan approved

19

Notes in reference to Specimen Plan

Inverse lines and numbers to be in blue notwithstanding they are shown in black on this plan  
Inverse stations to be shown in black

Value of Improvements - For 174 1/2 and 1/2  
For 175 1/2 and 1/2

Scale 20 Chains to an Inch