

Survey

Plan

Manual

Issued by the  
Surveyors Board  
of Queensland  
1983

THE PROCEDURES SET OUT IN THIS MANUAL ARE RECOMMENDED IN SUPPORT OF REGULATION 38, SURVEYORS REGULATIONS 1978. THESE PROCEDURES ARE TO BE COMPLIED WITH TO THE DEGREE NECESSARY TO ACHIEVE A REASONABLE UNIFORMITY IN PLAN DRAWING PRACTICE IN THE RECORDING OF SURVEY INFORMATION.

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Provisional Edition 1978  
Revised 1983

PAUL  
McCLELLAND

## FOREWORD

This manual explains the drafting practice recommended by the Surveyors Board of Queensland.

The manual advises on drafting procedures to ensure that:

- . plans submitted are suitable for the purpose of the survey
- . the property is accurately and unambiguously described so that tenure documents based on the plan will be correct
- . the survey data can be incorporated into archives as a resource for future surveys
- . survey marks placed by the survey are accurately recorded
- . the plans can be reproduced on a reduced scale without loss of clarity

*David*

.....  
President, Surveyors Board of Queensland

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DETAILED  
DRAFTING  
STANDARDS

# METRIC DOCUMENTATION

7.

1. The symbol "m" will NOT be shown following a length.  
eg. 20.115 not 20.115 m
2. The decimal point is to be prominently placed at the mid height of the figures.
3. Numbers should be grouped in threes right or left from the decimal point, and a space should be used instead of a comma.  
eg. 65 093.762 13 not 65,093.76213  
However, except in tabular work (eg. co-ordinates), the space may be omitted in groups of only four figures.  
eg. 4076.3012
4. A space should be left between the numeral and the unit or unit symbol.  
eg. 2076 m<sup>2</sup> (not 2076m<sup>2</sup>)  
5.273 ha (not 5.273ha)
5. No full stops will follow symbols.
6. Use of "zeros".
  - (a) Where the figure is less than one, use a zero before the decimal point.  
eg. 0.745 not .745
  - (b) For whole numbers, a zero will be shown as the last character of length to the right of the decimal point.  
eg. 4.0, 51.0, 200.0 not 4.00 or 501.20 or 67.530  
However when showing (1) Road widths  
(2) Areas  
the above procedure is NOT to be adopted  
eg. ROAD 60 WIDE and 12 ha not 12.0 ha
7. Rounding: When rounding to fewer digits than the total number available, the following procedure is adopted.
  - (a) Where the digit immediately following the last digit to be retained is less than 5, that digit should be left as is.  
eg. 7.624 25 to four digits = 7.624
  - (b) When the digit immediately following the last digit to be retained is 5 or greater, that digit should be increased by one.  
eg. 4.624 51 to four digits = 4.625
  - (c) If the digit to be discarded is exactly 5 and there is no indication of what the following digits might be, the last digit retained should be rounded to the nearest even digit.  
eg. 5.465 rounded to 2 decimals becomes 5.46  
5.455 rounded to 2 decimals becomes 5.46

NOTE: IT IS ESSENTIAL THAT THE DECIMAL POINT BE SHOWN AS CLEARLY AND PROMINENTLY AS POSSIBLE.

8.

## ABBREVIATIONS

See Page 33.

## ADJOINING DESCRIPTIONS

- (a) All adjoining information will be shown in sloping hairline. See 'STYLES' - Page 41.
- (b) For all Registering Authorities all adjoining descriptions and relevant Catalogue Numbers are to be shown as follows:-

### Specific Sample Information

#### Unsubdivided Land

- (1) Portion eg. *POR.16* or *POR*  
*SI.681* *16*  
*SI.681*
- (2) Miner's Homestead eg. *M.H.273*  
*M.P.30261*
- (3) Mining Lease eg. *M.L.492*  
*M.P.40039*

#### Subdivided Land

##### Freehold

- (4) Resubdivision 1 of Subdivision 2 of Portion 16  
eg. */* or */*  
*Cg.672* *RP.1642*
- (5) Lot 2 on RP.123956 eg. *2*  
*RP.123956*

##### Leasehold

- (6) Allot.6 of Section 5, Town of Yandina  
eg. *Allot. 6*  
*Y.164.26*
- (7) Sub.1 of M.H.L.273 eg. *Sub.1*  
*M.H. 273*  
*M.P.32257*
- (8) M.H.L.5293, being Lot 1 cancelling M.H.L.95  
eg. *M.H.5293*  
*M.P.32069*

(c) Latest adjoining descriptions must be shown.

(d) For DMS plans the original Portion and Section numbers are shown when subdivision has taken place.

eg. Resub.1 of Sub.2 of Por.16

*/* *POR.16*  
*RP.1642* *SI.681*

See also 'SPECIMEN PLANS' - Page 99.

## ALIGNMENT SPIKES

See 'REFERENCE MARKS' - Page 25.

## ALIGNMENT OFFSETS

Offset lines should be avoided if possible.

Offset marks should be referenced as a direct connection "from" corners.

## ALLOTMENTS

Subject allotment numbers are always shown on street frontages.  
See also 'STYLES' - Page 41.

## ALTERATIONS AND ADDITIONS

See 'DEPARTMENTAL REQUIREMENTS' - Page 49.

## AMG CONNECTIONS

Whenever any survey has been connected to a co-ordinated point on the Australian Map Grid (AMG), the co-ordinates can be tabulated.  
See 'CO-ORDINATES' - Page 13.

## AREAS

- (a) New surveyed parcels of land may be calculated and shown -
- (1) In square metres to the nearest square metre where parcel is less than one hectare.
  - (2) In hectares to four significant figures.
  - (3) Where land is of very small extent (less than one square metre) and of high value (inner city area), area may be shown to not more than one decimal point.
- (b) When amendments to existing blocks occur, the areas may be recalculated if:-
- (1) The balance area is completely re-surveyed.
  - (2) Close indicates the balance area is suspect and a close is obtainable within the accepted limits,  
IF NOT  
areas are to be shown as Balance areas (for both additions and subtractions) and described on plan as Balance or Bal.
- (c) For Imperial conversions see 'DEPARTMENTAL REQUIREMENTS' - Page 49. See also 'SPECIMEN PLANS' - Page 99.

## BEARINGS

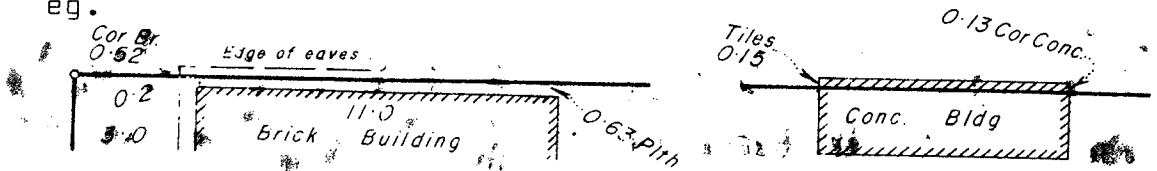
- (a) Bearings are shown upright on face of plan, sloping in all tabulations, and in a clockwise direction for completed blocks.
- (b) Bearings will be shown in degrees, minutes and seconds, rounded off as appropriate, reduced to the meridian of the survey.
- (c) It is preferable that the following use of '0' be adopted.  
eg. 270°0', 270°03', 270°00'30"  
Note that 270°00'00" is to be avoided.

## BROAD ARROW

See 'REFERENCE MARKS' - Page 25.

### BUILDINGS

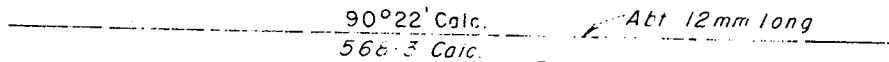
- (a) Encroachment must be clearly illustrated and may be shown as follows:-  
eg.



- (b) Other improvements such as bridges, dams, mine shafts, etc., may be shown if connected to in course of survey. On Titles Office plans, however, structural improvements should not be shown unless encroachment is under consideration or if it is an aid to reinstatement.
- (c) When classified as a reference mark (immovable object), connections thereto may be shown on face or tabulated in required manner.  
See 'REFERENCE MARKS' - Page 25.

### CALCULATED LINES

- (a) Broken lines with computed bearings and distances.  
eg.



See 'LINEWORK' - Page 20.

- (b) If appropriate to tabulate - 'calc.' outside column.

### CANCELLED BOUNDARIES

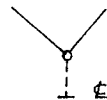
These are boundaries rendered redundant by new survey and are shown by broken lines of about 6 mm lengths. See 'LINEWORK' - Page 20.

Once cancelled they are no longer shown on future plans.  
See 'LAPSED BOUNDARIES' - Page 19.

- (a) TITLES OFFICE : Not shown  
(b) DMS : If rerun - tabulate in traverse column.  
(c) MINES DEPT. : Shown with all dimensions on face or tabulated in traverse column - original indicated.

### CENTRE LINES

- ROAD (a) TITLES OFFICE : Nothing shown.  
(b) DMS AND MINES DEPT. : eg.

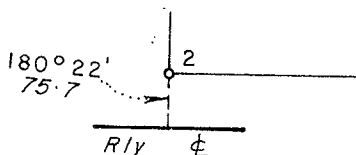


(No dimensions)

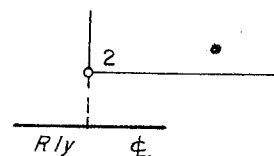
RAILWAY.....

eg.

No Tabulation



Tabulation



| 2 - Rly | 180°22' | 75.7 |  
ϕ

(Shown in traverse column.)



Cities as gazetted under the Local Government Act are -

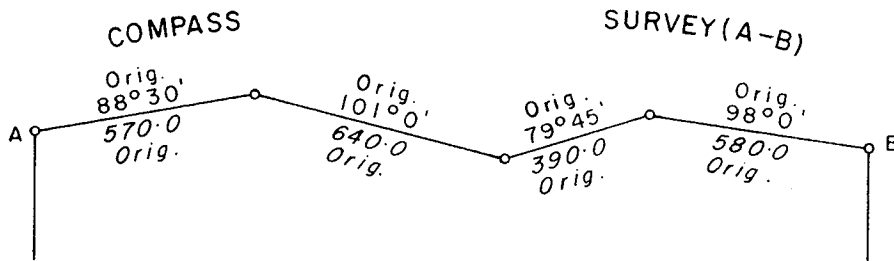
BRISBANE	GYMPIE	REDCLIFFE
BUNDABERG	IPSWICH	ROCKHAMPTON
CAIRNS	LOGAN	TOOWOOMBA
CHARTERS TOWERS	MACKAY	TOWNSVILLE
GLADSTONE	MARYBOROUGH	WARWICK
GOLD COAST	MOUNT ISA	

COLOURS

Everything is BLACK: See 'INK' - Page 19.

COMPASS SURVEY

When part of the boundary of a block has been previously surveyed by compass, a noting as illustrated hereunder, has to be shown on face of plan.  
eg.

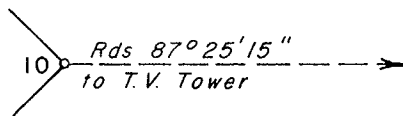


COMPILED PLANS (Plans without field survey)

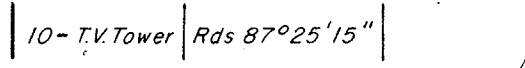
- |                   |   |  |
|-------------------|---|--|
| (a) DMS           | } | See 'DEPARTMENTAL REQUIREMENTS' - Page 49.<br>(also Regulation 29 of Surveyors Regulations 1978) |
| (b) TITLES OFFICE |   |  |
| (c) MINES DEPT.   |   |  |

CONNECTIONS TO DISTANT POINTS

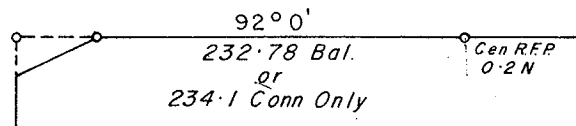
- (a) Lighthouses, Beacons, T.V. Towers, etc.  
eg.



(if plan is crowded, Reads Bearing can be shown in traverse column) eg.



- (b) Occupation eg.



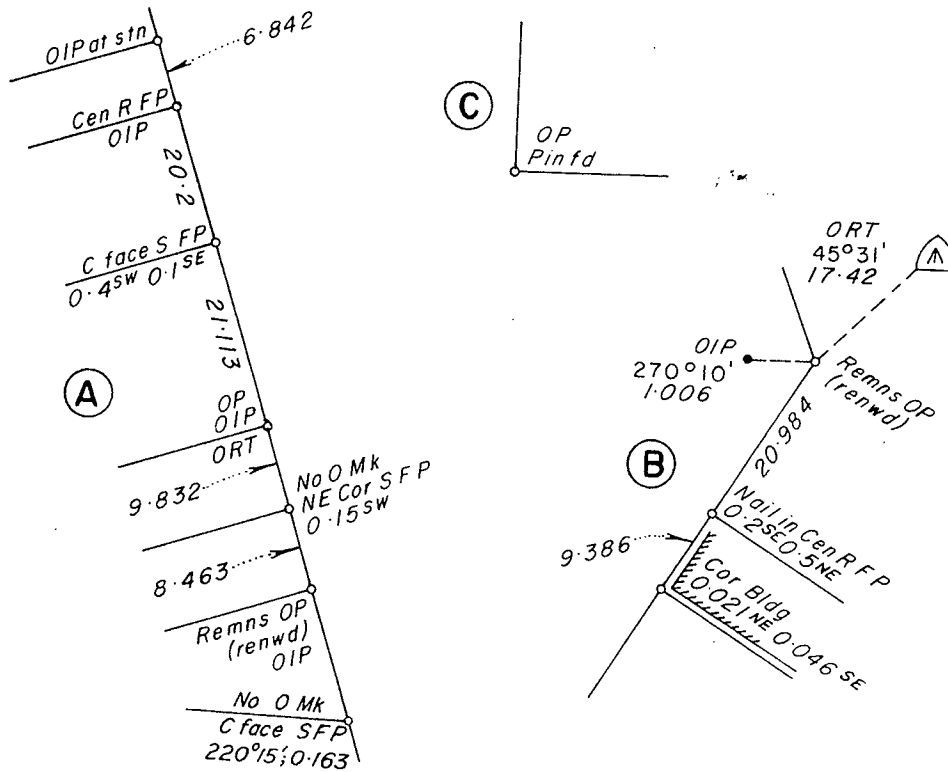
When Registering Authority requires to distinguish between "acceptable reinstatement" and "Connection Only", show as above.

### CONVERSIONS

- (a) Distances - See 'ORIGINAL DIMENSIONS' - Page 22.
- (b) Areas - See 'DEPARTMENTAL REQUIREMENTS' - Page 49.

### CORNER INFORMATION

eg.



- (a) Information marking the corner should be written first. See (A)
- (b) When tabulation is not involved, information can be shown as in (B)

NOTE: A MIXTURE OF (A) AND (B) ON ONE PLAN IS TO BE AVOIDED.

- (c) The word "found" (fd) written after a mark eg. *Peg fd*, *Pin fd*, *PM fd*, denotes a mark at a surveyed position with no origin or cadastral connection shown on a registered plan or an identification survey lodged in a Registering Authority. See (C). See also 'ORIGINAL MARKS' - Page 23 and 'OCCUPATION' - Page 22.
- (d) It is preferred that occupation references are determined "square" from the lines run. (Except when a bearing and distance is required to avoid ambiguity (A))

1. Co-ordinates which may be shown on Plans are classified into three categories, depending upon their method of derivation.
  - (a) AMG Co-ordinates result from a Section Adjustment between junction points adopted in the Geodetic Adjustment of Australia, undertaken by either the Division of National Mapping (DNM) or Department of Mapping and Surveying, Queensland (DMS).
  - (b) Provisional AMG Co-ordinates result from a suitable adjustment technique applied to a local control system, the position and orientation of which has been established by connections to control stations with A.M.G. Co-ordinates.
  - (c) Approximate AMG Co-ordinates result from simple un-adjusted connections, traverses, radiations etc. from existing control stations with AMG or Provisional AMG Co-ordinates.

2. Co-ordinates may be presented in a panel on the face of the plan, as illustrated hereunder.

(a) Example:

*AMG CO-ORDINATES-SECTION SEQLD 78-1978*

<i>STATION</i>	<i>EAST</i>	<i>NORTH</i>	<i>ZONE</i>
<i>GRAVATT SM40337</i>	<i>455 031 . 799</i>	<i>7 019 023 . 527</i>	<i>56</i>

(b) Example:

*PROVISIONAL AMG CO-ORDINATES-BUNDABERG  
IRRIGATION CONTROL-1974*

<i>STATION</i>	<i>EAST</i>	<i>NORTH</i>	<i>ZONE</i>
<i>PM46307</i>	<i>439 572 . 255</i>	<i>7 256 243 . 661</i>	<i>56</i>

(c) Example:

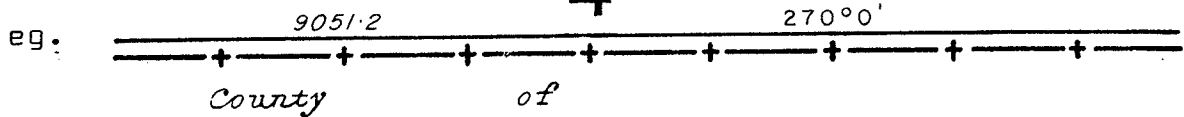
*APPROXIMATE AMG CO-ORDINATES*

<i>STATION</i>	<i>EAST</i>	<i>NORTH</i>	<i>ZONE</i>
<i>PM21899</i>	<i>500 301 . 361</i>	<i>6 974 239 . 173</i>	<i>56</i>

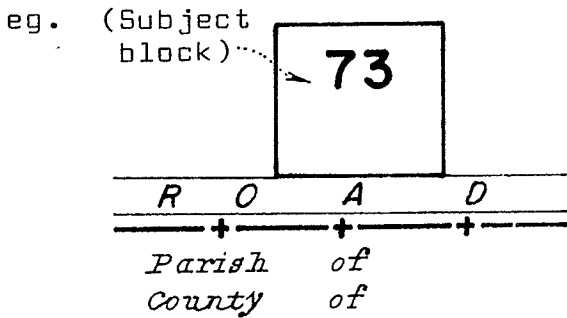
3. For provisional and approximate AMG Co-ordinates the descriptions and values of the points from which these co-ordinates were derived, together with the associated computations, should form part of the survey records.

### COUNTY BOUNDARY

4

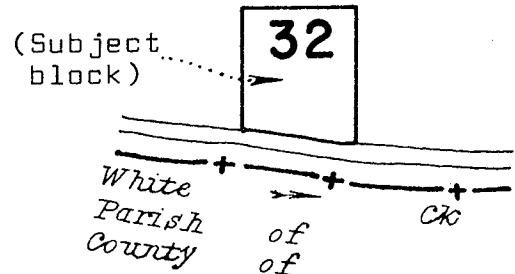
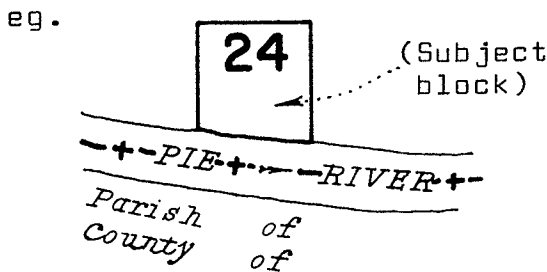


County boundaries are shown outside and as close as possible to the subject block and are never broken for dimensions.



NOTE:

- (a) County boundary is not to be shown in the middle of the roadway if both sides of the road are shown.
- (b) If the opposite side of the road is not shown, the County boundary may be shown in the road but not in the subject block.



Show county boundary in middle of creek or river if space permits. Show county boundary on opposite side of creek or river to the subject block if space is limited.

### CREEKS

See 'WATERCOURSES' - Page 31.

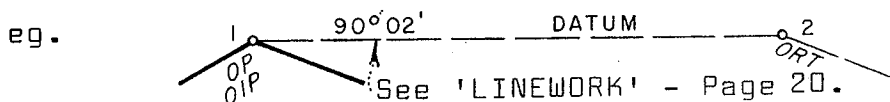
### CURVES

Show measurements for ARC and RADIUS.

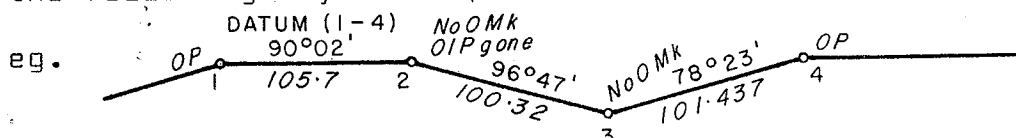
### DATUM



- (a) For cancelled boundary or traverse.



- (b) Where there are insufficient marks for a datum on one line, the following may be adopted.



- (c) When datum is an offset line, show "DATUM" on boundary if offset line can be omitted.

- (d) When datum is obtained by observation for meridian, show "DATUM BY OBS" on appropriate line.
- (e) When more than one plan is drafted from the one set of survey records and the DATUM line is located on one plan only, the following note should be shown on all plans.  
eg. "This is one of.....plans (Cat. Nos.....) from the one survey."  
For DATUM see plan.....
- (f) For Titles Office each plan should have its own DATUM.
- (g) See also 'SHEET NUMBERS' - Page 29.

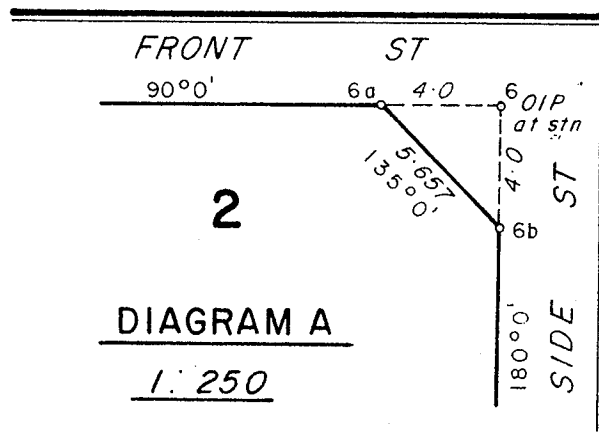
**DESCRIPTION OF COUNTRY**

- (a) TITLES OFFICE : Not required
- (b) DMS : See 'DMS SPECIMEN PLAN'
- (c) MINES DEPT : Not required except for natural features.  
See 'NATURAL FEATURES' - Page 21.

**DIAGRAMS**

- (a) On face of plan show eg. SEE DIAGRAM A
- (b) Block number - repeat on diagram.
- (c) Roads and Streets, if block on plan, show hairline on diagram. Show names if available as per example below.
- (d) Enclose all diagrams in a border to separate from rest of plan (straight lines preferred).
- (e) Diagrams should be drawn to scale if possible.
- (f) Where more than one diagram is shown on the one plan they should be labelled consecutively A, B, C etc.

eg.



Note: 6-6a and 6-6b will be tabulated as required.

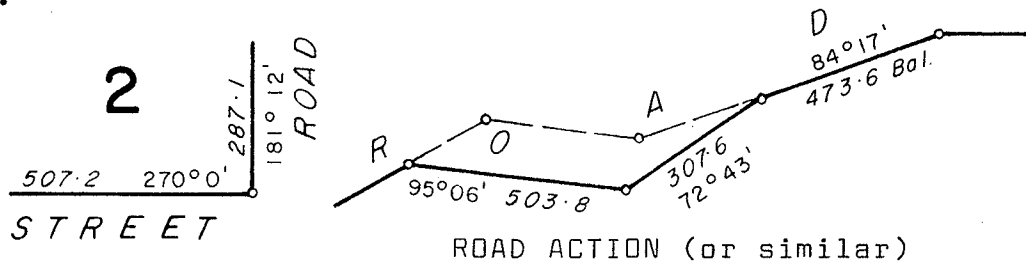
**DIMENSIONS**

- (a) Complete dimensions must be shown on the face of plan for each parcel for which a title can issue from the subject plan.
- (b) See 'BEARINGS' - Page 9, 'DISTANCES' - Page 16 and 'ROADS' - Page 28.

## DISTANCES

Distances are shown in metres as per survey records.

- (a) Distances are shown sloping on face of plan and in all tabulations.
  - (b) Always shown inside block.
- eg.



- (c) For Titles Office plans

The balance distance shall be deduced from the plan from which the title or deed was issued.

For DMS and Mines Dept. plans

- (1) Where the dimensions of the balance are found to be imperfect, the Licensed Surveyor can then derive data from any existing survey in order to determine the boundaries of the block.
  - (2) Where the accuracy of the balance is found to be within the prescribed limits of accuracy, then balance distances can be deduced from the plan for which the title or lease was issued.
- (d) Each severance within the subject land should be fully dimensioned if surveyed.
  - (e) "Brackets" - When intermediate distances are shown, the "through" distance is to be shown with brackets. In some cases station numbers may be required.
  - (f) See also 'ORIGINAL DIMENSIONS' - Page 22 and 'METRIC DOCUMENTATION' - Page 7.
  - (g) See also 'LINE PEGS' - Page 19.

## DRILL HOLES ETC

See 'REFERENCE MARKS' - Page 25.

## EASEMENTS

1. PLAN OF EASEMENT ONLY

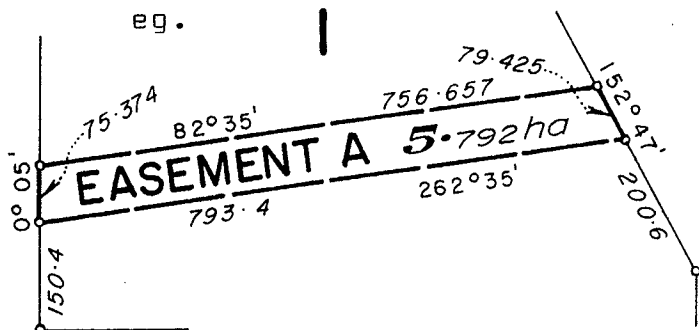
See 'LINEWORK' - Page 20.

- (a) Boundaries are broken \_\_\_\_\_ *Abt 12mm long*
- (b) Dimensions of the complete surround of easement are required in a clockwise direction.  
The dimensions of the block of which the subject easement is within, need not be completed.
- (c) The easement must be shown to scale on the plan form. In addition, a diagram being not to scale may be utilised if required.

**EASEMENTS contd**

(e) (d) On face show as .... **EASEMENT A**

(f) (e) Title ..... *Easement A in*.....  
(Title to be shown in full)



NOTE:

(1) Where more than one easement is created on the one plan, they should be named consecutively ie. 'A', 'B', 'C', etc.

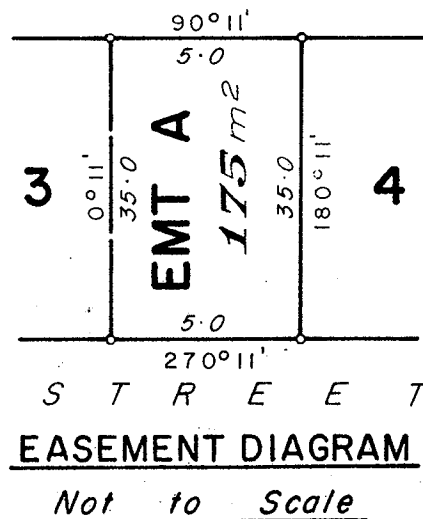
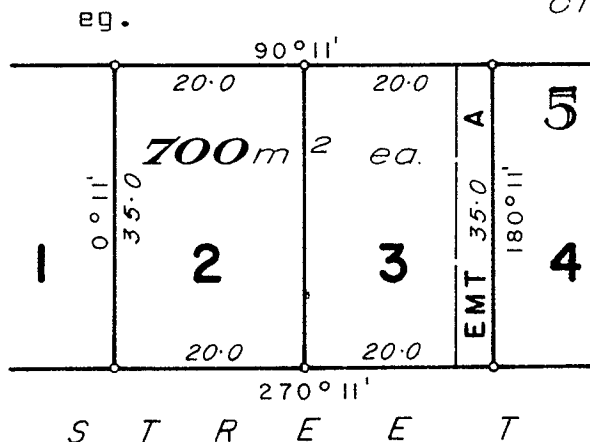
(2) Where more than one easement is created in one tenure, each should be named with a different letter.

(g) (f) The use of letters I, O and Q should never be used when describing Easements.

**2. PLAN OF EASEMENT WITH SUBJECT BLOCK**

(a) Easement Diagram (usually "Not to Scale") to be utilised. This is to 'divorce' the easement information from that of the subject block.

(b) Title ..... eg. *Allots 1-10 (and Emt A in Allot 3) of Sec. 5. TOWN OF*



(c) See also 'EASEMENTS' under 'DEPARTMENTAL REQUIREMENTS' - Page 49.

**ELECTRIC LIGHT POLES**

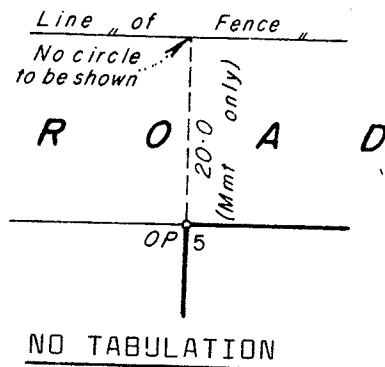
See 'REFERENCE MARKS' - Page 25.

**ENCROACHMENT**

See 'BUILDINGS' - Page 10.

## FENCES

- (a) Type of fence to be shown if possible ie. *2PIB., Netting* etc. NOT SHOWN FOR TITLES OFFICE.
- (b) Read bearings may be shown on fences that are existing on previous boundary lines.  
If considered useful, read bearing may be shown on internal fences. (NOT FOR TITLES OFFICE.)
- (c) Connections across roads to fence lines to be treated as follows -  
eg.



| 5-Fence | Mmt only | 20.0 |  
(In Traverses Etc. column)

WITH TABULATION

## FENCE POSTS

- (a) Show in various ways -  
eg. *Cen RFP* : *Nail in RFP* : *Nail in Cen RFP*  
0.3N 0.6E : 0.3S 0.4E : 233°47', 0.075  
*always before decimal* → 0.3N ← *bit smaller (2/3)*
- See also 'CORNER INFORMATION' - Page 12 and 'OCCUPATION' - Page 22.
- (b) A limit of three consecutive letters is preferred.  
ie. *Cen face SFP* or *C face SFP*
- (c) Branded Fence Posts:  
If only a few and plenty of space - show on face of plan otherwise statement may be employed.  
eg. *Cen RFP (AR) at stns* : eg. *Nail in Cen RFP at stns*  
*2, 3, 5, 7, 8 and 10.* : *1, 4, 6 and 9.*

## GEODETC TRVERSE

- (a) Geodetic Traverses are to be tabulated as follows:-  
eg.

GEODETC TRAVERSESES			
LINE	FORWARD AZ	REVERSE AZ	DIST. ( )

Show whether M.S.L. or Meas.

If more than one type of distance used, qualify outside of table only.

- (b) See also 'CO-ORDINATES' - Page 13.

## IDENTIFICATION SURVEY

See 'DEPARTMENTAL REQUIREMENTS' - Page 49 and 'SPECIMEN PLANS' - Page 99. (also Regulation 30 of Surveyors Regulations 1978)



## IMPROVEMENTS

See 'BUILDINGS' - Page 10.

## INACCESSIBLE LINES

See 'CALCULATED LINES' - Page 10.

## INK

The ink used for drawing plans shall be of a permanent and water-proof variety. Biro's and felt pens etc. will not be considered acceptable.

## IRON PINS

See 'REFERENCE MARKS' - Page 25.

## KILOMETRE PEGS

Treat as line peg - See 'LINE PEGS' - Page 19.  
If branded indicate on face or tabulate.

## LAPSED BOUNDARIES

See 'LINEWORK' - Page 20.

- (a) MINES DEPT: Lapsed boundaries are previously cancelled boundaries or boundaries of dead leases. They are generally only shown when used for survey reinstatement. Measured bearings and distances are shown on face of plan. Former description of the expired lease when required is shown in dotted hairline.
- (b) DMS: Lapsed boundaries are original boundaries of Portions which have been subdivided and are not now boundaries of the latest subdivisions. Lapsed boundaries are always shown.
- (c) TITLES OFFICE: Not to be shown unless rerun. If rerun show as traverse.

## LEASES

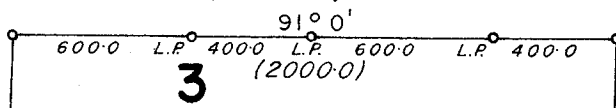
See 'DEPARTMENTAL REQUIREMENTS' - Page 49.

## LINE PEGS

- New:
- (a) When survey record not lodged, line pegs shall be shown on the plan.
  - (b) Placement of line pegs will be indicated by one of the following methods.
    - (1) Statement eg. Line peg placed at intervals of 200.0 from stns 1, 3, 6, 12 and 15.
    - (2) Tabulation eg.

LINE PEGS		
STN	BEARING	DIST.
2	180°42'	203.53
	"	406.22
	"	600.3
5	272°33'	201.42
	"	400.63

- (3) On face of plan eg.



20.

### LINE PEGS contd

Original: Show ...*O L P*

Measured distances shown in survey records which serve to fix position of OLP, are to be shown on plan.

Approximate distances are not shown.

NOTE: If intermediate pegs are not shown on the plan, survey records showing the position of these pegs must be lodged.

### LINEWORK

Boundaries of subject land	_____
Surface Areas } Right of Access } Right of Way }	MINES } _____ _____
Adjoining } Background Tenures (MINES) }	} _____
Easements and Leases: Subject	_____ 12 mm
Adjoining	_____
Traverses etc.	_____ 3 mm
Cancelled Boundaries	_____ 6 mm
Lapsed Boundaries	.....
Unsurveyed Line } Calculated Line }	_____ 12 mm

The above is a recommended format for line thickness. IT MAY BE VARIED, HOWEVER, IF CLARITY OF PLAN WILL BENEFIT.

### LOTS

- (a) Lot Numbers are generally shown on street frontages. See 'SPECIMEN PLANS' Page 99.
- (b) See also 'DEPARTMENTAL REQUIREMENTS' - Page 49.

### MRD BENCH MARKS

Tabulate under 'REFERENCE MARKS' | 5 | MRD/BM (Ironbk) | 235° 02' | 3.45 | MR. 1k.

### MARKS (A) ETC IN CONCRETE

See 'REFERENCE MARKS' Page 25.

### MEASUREMENT ONLY

- (a) Show as required on face of plan eg. *(Mmt only)*  
257.6
- (b) When tabulated eg. | 1-7 | Mmt only | 13.53 |  
(In 'TRAVERSES ETC.' Column)

## MERIDIAN

The meridian of every survey should be indicated in the 'Meridian' box on the plan.

- (a) "~~On meridian of.....~~" or "~~C.A.M. vide.....~~" and plan catalogue numbers quoted. (Not to be shown on Titles Office plans unless observation taken.)
- (b) If observation taken, details should be tabulated on plan. eg.

MERIDIAN		
LINE	PLAN BEARING	A.M.G. BEARING
6-7	76°25'20"	82°48'41"
	Add 6°18' A.M.G. (Nearest 1')	
	Add 0°03' C.A.M. ( " " )	

For Titles Office plans, it is required to indicate AMG in the meridian box and lodge meridian observation in field record form.

- (c) The latitude and longitude of the observation station can also be shown if desired. (Not for Titles Office plans.)

## METRIC DOCUMENTATION

See Page 7.

## NAILS

Nails are normally shown only when -

- (a) In RFP eg. *Nail in*  
*Gen RFP*
- (b) If placed in concrete, bitumen etc. - Treat exactly the same (on face and in tabulation) as Pins and Original Iron Pins. See 'REFERENCE MARKS' - Page 25.
- (c) The type of nail can be shown if indicated in survey records. (Spring Head, Jolt Head, Clout, Ramset, etc.) See 'ABBREVIATIONS' - Page 33.

## NATURAL FEATURES

While description of country is shown only on plans to be lodged in the DMS, both MINES DEPT. and DMS plans require natural features such as gullies, mountain ranges, etc. to be shown if located in the course of survey.

## NO MARK PLACED

Used if appropriate.

## NO ORIGINAL MARK

- (a) No O. Mark - This means there is no survey mark of any type remaining at the actual position of the previously surveyed corner.
- (b) No Mark - This term is never shown on plan.

## NORTH POINT

- (a) North Point is not shown unless plan is turned - ie. when  $270^\circ$  becomes  $0^\circ$ .
- (b) When plan is turned, all information is shown accordingly, ie, to the North Point. (This includes tabulations and statements.)
- (c) See also 'TABULATIONS' - Page 30.

## NOT TO SCALE

Use with discretion. Break line for each block affected. Advantageous to plot this work to 'some scale' for sake of proportional representation. The wording "Not to Scale" is to be shown on appropriate line or lines.

NOTE: NEW SURVEYED LINES AND SUBJECT BLOCKS ARE DRAWN TO THE SCALE AS SHOWN IN THE TITLE.

See 'SCALE OF PLANS' - Page 28.

## OCCUPATION

Unmarked improvements such as Fence Posts, Walls, Buildings, Poles, Man Holes, or any such immovable objects which are connected to in the course of the survey, and IN ADDITION TO THE MONUMENT DENOTING THE CORNER, are generally classed as "occupation". Occupation should be shown on the face of the plan. Where space does not permit, occupation may be shown by diagram and/or in Reference Marks Column. See 'CORNER INFORMATION' - Page 12.

## OFFSETS

Not shown on plan in normal circumstances.

- (a) If sufficient connections to boundary line have been made, all information is to be related to the boundary line.
- (b) If there are insufficient connections, offset will be shown.

## ORIGINAL DIMENSIONS

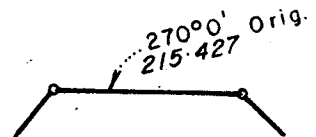
- (a) Shown with 'Orig' written in conjunction with each bearing and distance. 'Bal' to be used (for both additions and subtractions) where applicable.

NOTE: The term 'Bal Orig' is not used.

eg.  $\frac{270^\circ 0' \text{ Calc. Orig.}}{52.0 \text{ Calc. Orig.}}$

$\frac{270^\circ 0' \text{ Orig.}}{545.33 \text{ Orig.}}$

$\frac{270^\circ 0' \text{ Orig.}}{746.215 \text{ Bal.}}$



- (b) Original distances to be converted to metric are to be shown to 3 decimal places.

When utilising "original dimensions" an endorsement is required stating the source of this information.

eg. Original information compiled from SI.1234 in the Department of Mapping and Surveying.

or from RP.12345 in the Titles Office.

{ Brisbane  
Rockhampton  
Townsville

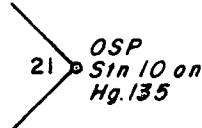
or from M.P.10537 in the Mines Department, Brisbane.

**ORIGINAL DIMENSIONS contd**

(c) See also 'WATERCOURSES' - Page 31.

**ORIGINAL MARKS**

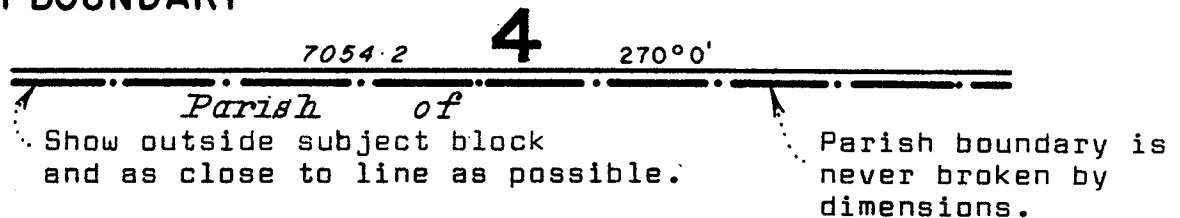
- (a) Where the origin of any mark is unknown the mark should be described by "found".  
*ie. - Peg fd ; Pin fd* See also 'CORNER INFORMATION' Page 12.
- (b) Where the origin of a mark is known but is not evident on the plan being drawn, (this applies particularly to MINES DEPT.) the mark may be identified by the addition of the catalogue number of plan of origin.  
 eg.



- (c) See also 'CORNER INFORMATION, LINE PEGS, NO ORIGINAL MARK, PEGS, PERMANENT MARKS, POINTER PEGS, REFERENCE MARKS, RENEWED, RESET, SURVEY POSTS'.

**ORIGINAL PEGS**

See 'PEGS' - Page 23.

**PARISH BOUNDARY**

Subject to same conditions as 'COUNTY BOUNDARY' - See Page 14.

**PEGS**

New:

- (a) "Peg Placed" is shown on face of plan only when placed at an original corner.
- (b) Marking at corners should be listed by statement as follows.  
 eg. Branded peg placed at stns 2,7,9,14-17. or Branded peg placed at all new corners.

(if appropriate)

Similar notings to be adopted for unbranded pegs.

- (c) Variations such as "Peg placed in cairn of stones, Peg driven flush, Plastic or Concrete Peg placed, Star Picket placed, etc.," must be indicated either on face or by statement.

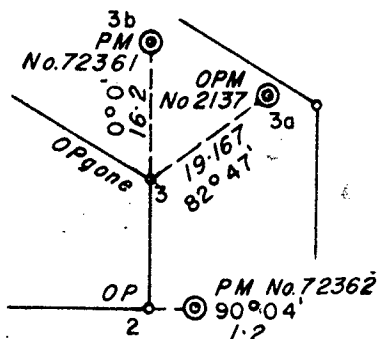
Original:

Use "OP", "Remains OP", "OP hole", "OP gone" etc.

See also 'KILOMETRE PEGS' - Page 19.

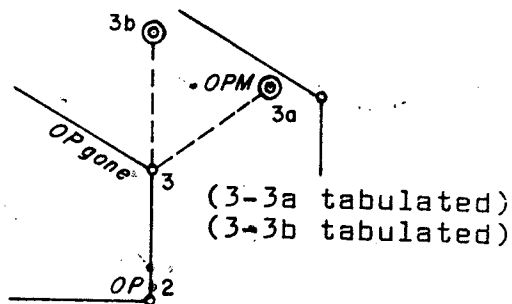
# PERMANENT MARKS

Method (a)



NO TABULATION

Method (b)



PERMANENT MARKS			
PM	BEARING	DIST.	No.
2- PM	90°04'	1.2	72362
3a OPM	at	stn	2137
3b PM	pld at	stn	72361

WITH TABULATION

NOTE: NOT IN REFERENCE MARKS COLUMN.

When co-ordinates have been established, these may be treated as follows:

Method (a) Entered in 'AMG CONNECTIONS' tabulation.

*AMG CO-ORDINATES (ZONE.....)*

STN	EAST	NORTH
PM 2137	723 659.96	7 657 837.81

Method (b) Added to existing PERM MARK tabulation in a suitable format.

PERMANENT MARKS				AMG CO-ORDINATES	
PM	BEARING	DIST.	No	EAST	NORTH
3a	OPM at	stn	2137	723 659.96	7 657 837.81

## PINS

See 'REFERENCE MARKS' - Page 25.

## PLOTTING

Plots shall be accurately drawn to scale. The co-ordinate system of accuracy control should be used where necessary to achieve the required standard.

## POINTER PEGS

See 'REFERENCE MARKS' - Page 25.

## POLES

Electric Light Poles, Power Poles, Telegraph Poles, etc. to be treated as per "Reference Marks". See 'REFERENCE MARKS' - Page 25

## PORTIONS

For completed portions, numbers are located generally 1/3 from top of subject block.

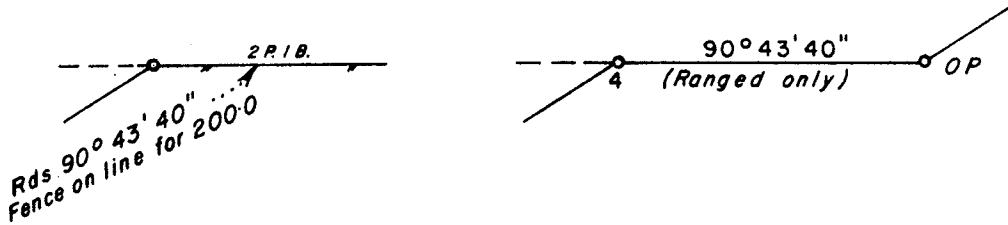
# RAILWAYS

For connections to see 'CENTRE LINES' - Page 10.

## RANGED ONLY AND READ BEARINGS

Show as follows:

eg.



See also 'FENCES' - Page 18.

## REFERENCE MARKS

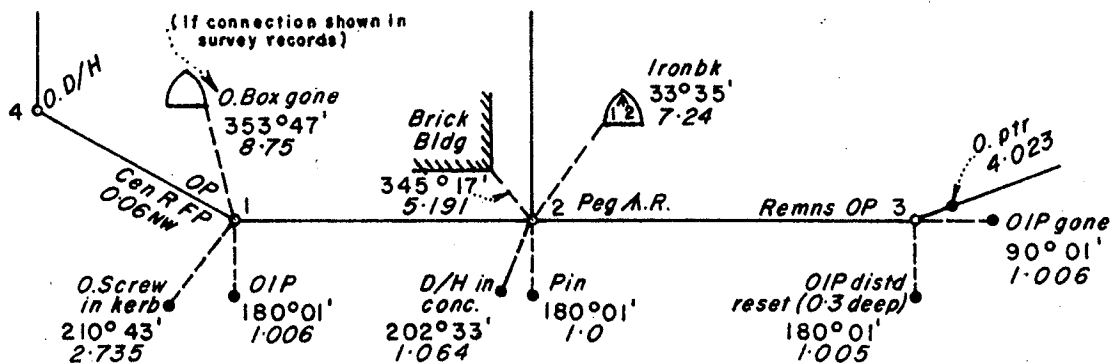
A Reference Mark is a mark in addition to the monument or occupation defining the corner and may be a suitably marked tree, durable mark on a building or other immovable object, or a pin of a durable material not less than 15 mm x 300 mm driven flush into a paved surface or at least 50 mm below an unpaved surface. This thus embraces trees, pins, spikes, nails, screws, broad arrows, drill holes and other marks in fixtures, original pointer pegs and marks on poles etc. in relation to which the true position of a corner can be established.

ALL CONNECTIONS WILL BE FROM THE CORNER TO THE REFERENCE MARK.

On face or tabulation treatment may be adopted. On face presentation is required by the Titles Office unless other type of presentation is unavoidable.

(a) On face: Reference marks and connections thereto may be shown on face of plan.

eg.



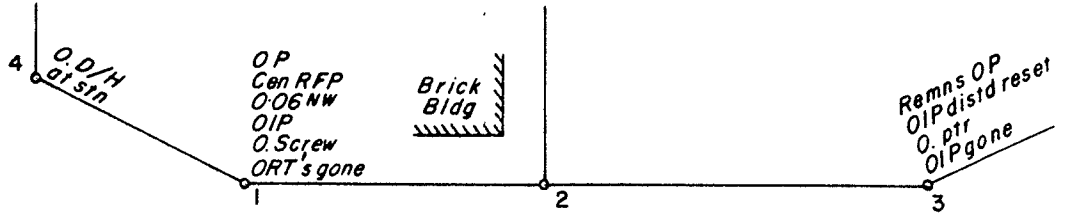
When "on face" representation is adopted, plan must show the following prominent note.

eg. REFERENCE MARK CONNECTIONS ARE FROM THE CORNER TO THE MARK.

**REFERENCE MARKS contd**

(b) Tabulation treatment (as preferred by DMS): Format involves tabulating all Reference Marks in the one column headed 'REFERENCE MARKS'.

eg.



- (1) It is preferrable that (a) or (b) be adopted in its entirety where possible, rather than mixtures of "on face" and "tabulation" take place.
- (2) Reference Marks column is only to be used for marks referenced to the station.
- (3) Marks at the station to be shown on face of plan only. eg. *Pin pld at stn, OIP at stn.*

**NOTE:**

(a) Listings are consecutive and all reference marks for a station MUST BE KEPT TOGETHER.

(b) The spacing shown between groupings does not necessarily have to be adopted when only one Reference Mark is recorded for station.

REFERENCE		MARKS		
STN	TO	BEARING	DIST.	BRAND
1	OIP	180° 01'	1.006	REMARKS
	O.Screw in kerb	210° 43'	2.735	
	O.Box gone <i>(when conn. shown in Survey Records)</i>	353° 47'	8.75	
2	Pin	180° 01'	1.0	A 1 2
	Ironbk	33° 35'	7.24	
	Cor Bldg	345° 17'	5.191	
	D/H in conc.	202° 33'	1.064	
3	OIP reset	180° 01'	1.005	0.3 deep
	OIP gone	90° 01'	1.066	
	O. ptr	88° 43'	4.023	

**OTHER EXAMPLES**

5	S.H. Nail in bitumen	94° 06'	8.735	
	A in PP.1361	35° 43' 30"	11.54	
7	Cen RFP	22° 47'	4.08	
	Stp ORT	43° 23'	6.58	
8	O.Bldwd	0° 58'	10.07	A R 57
	Ram. Nail in M.H.	53° 47' 40"	7.055	
	OIP distd	180° 27'	1.0	0.016N

- (4) Recorded connections to the site of original documented Reference Marks should be shown.
- (5) Depths of pin placements should be indicated if other than standard.
- (6) See also 'CORNER INFORMATION' - Page 12.



## RENEWED

(a) Old mark (or remains) removed and a new mark of the same type placed.

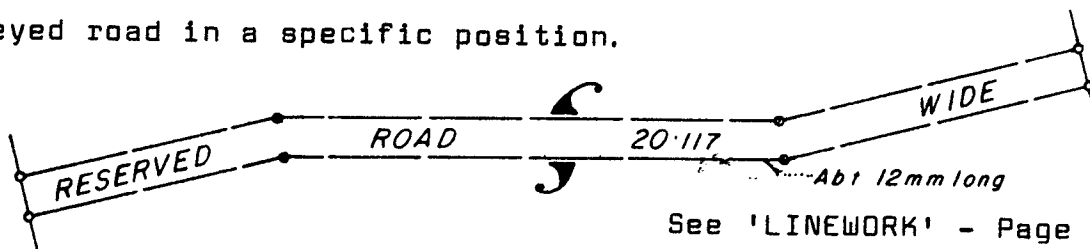
eg. *Butt OSP*   *Remns OP*   *OP distd*   *OIP distd*  
       *renwd*        *renwd*        *renwd*        *renwd*

(b) When old mark is removed and a new mark of a different type is placed, show as follows:

eg. *OP remvd*   *OIP remvd*   *Butt OSP*   *OIP remvd*  
       *Post pld*    *Peg pld*        *Peg pld*        *PM pld*

## RESERVED ROADS

Unsurveyed road in a specific position.  
 eg.



See 'LINEWORK' - Page 20.

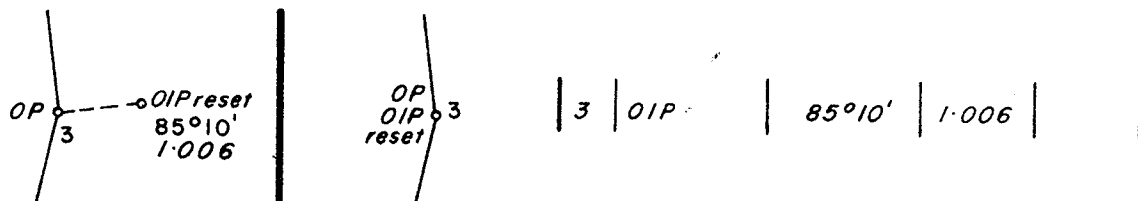
Area shown eg.        **28.297 ha**  
                               **2.537 ha Resd Rd**  
                               **25.76 ha**

## RESET

Existing mark out of ground or disturbed. This same mark is reset in correct position.

eg.    *OP distd*    *OLP lying*  
        *reset*        *reset*

For IRON PINS  
 eg.



NO TABULATION

WITH TABULATION

(In 'REFERENCE MARKS' Column)

## RESURVEY

- (a) When a resurvey of an existing tenure is carried out with a view to correction of title or instrument of lease, the normal plan requirements shall apply.
- (b) See 'DEPARTMENTAL REQUIREMENTS' - Page 49 for 'Identifications,' 'Remarkings' and 'Resurveys.'

## RIVERS

See 'WATERCOURSES' - Page 31.

## ROADS

See 'DEPARTMENTAL REQUIREMENTS' - Page 49.

- (a) Where only one side of road has been surveyed, calculated distances on unsurveyed side are not normally shown.
- (b) Dimensions for internal roads shown for completed blocks. Use "Orig" where applicable. See also 'DMS REQUIREMENTS' and Regulation 29 plans - Page 51.
- (c) Refer to Main Roads Gazette for correct Road name. (Section names of Highways are not shown.)
- (d) For roads forming boundaries of subject blocks, the width, when opposite side is shown, must be plotted to scale.
- (e) For roads through Mines Department tenure - See 'MINES DEPT. REQUIREMENTS' - Page 73.
- (f) See DMS 'DEPARTMENTAL REQUIREMENTS' - Page 57 and 'UNSURVEYED ROADS'.

## ROAD RESERVATION

Area reserved for road purposes in no specific location.

Area shown eg. **46** · 635 ha  
                           3 · 075 ha Rd Resn  
**43** · 56 ha

When Subdivision occurs involving a block containing a road reservation, space is to be provided on the plan to allow the Surveyor-General's allocation endorsement to be shown. Sufficient space should also be provided in the lots for a three-line area to be shown incorporating the reservation area. Gross areas only are to be shown on the affected lots.

## SCALE OF PLANS

A complete plot of the subject block or blocks drawn to the scale as shown in the title must appear on the plan.

Diagrams drawn either (a) to another suitable scale; and/or (b) 'Not to scale'; may be used for clarification. See 'NOT TO SCALE' - Page 22.

Plans should be drawn to one of the following scales, or multiples of powers of 10 thereof:

1 : 1	1 : 2.5	1 : 6
1 : 1.25	1 : 3	1 : 7.5
1 : 1.5	1 : 4	1 : 8
1 : 2	1 : 5	

## SCREWS

See 'REFERENCE MARKS' - Page 25.

## SECANTS

See 'LINEWORK' - Page 20.

Dimensions are shown on face or tabulated.  
 See also 'DEPARTMENTAL REQUIREMENTS' - Page 49.

## SHEET NUMBERS

This applies only to DMS and MINES DEPT. plans, where job is of a nature that requires several sheets to show all necessary information.

- (a) When a number of plans are drawn for a continuing survey of road, railway or easement etc. through a number of blocks of land, these plans would be catalogued individually with consecutive catalogue numbers.

eg. *SI.9031, SI.9032, SI.9033* etc.

THESE PLANS MUST BE AUTONOMOUS WITH EACH PLAN FORM DEPICTING THE SURVEY IN A PARTICULAR BLOCK AND BEING COMPLETE WITH ITS REFERENCE MARKS COLUMN, DIAGRAMS AND STATEMENTS ETC.

See also 'DATUM' - Page 14.

- (b) When the sheet format is utilised, the following is to be adopted:

(1)(a) The subject survey must be shown "to scale" on sheet 1.

(2)(b) The same size plan form is to be utilised for each sheet.

(3)(c) Each sheet should be labelled:

eg. SHEET 2 OF 5 SHEETS.

(4)(d) Sheets should be endorsed along the joining edges as follows:

eg. JOINS SHEET 3.

(5)(e) Each sheet will have the same catalogue number.

eg. *SI.9031 Sheet 1, SI.9031 Sheet 2* etc.

See also 'DATUM' - Page 14.

## SPIKES

See 'REFERENCE MARKS' - Page 25.

## STAR PICKETS

(a) If used in lieu of Iron Pin, treat as such -  
See 'REFERENCE MARKS' - Page 25.

(b) If used in lieu of Peg, treat as such - See 'PEGS' - Page 23.

(c) If acceptable by DMS as a Perm. Mark, treat as such -  
See 'PERMANENT MARKS' - Page 24.

## STATE BOUNDARY

4

Show thus eg.



Subject to same conditions as 'COUNTY BOUNDARY' - See Page 14.

## STATION NUMBERS

(a) Station numbers are to be shown upright in as simple a format as possible. ie. 1,2,3, with 1a, 1b etc. for secants and close proximity work only.

(b) Adequate station numbers should be shown on the plan to describe survey lines.

30.

## STREETS

See 'STYLES' - Page 41 and 'ROADS' - Page 28.

## STYLES

See Page 41.

## SURVEY POSTS

New: (a) Survey Post placed is shown on face of plan only when placed at an original corner.

(b) Table new survey posts by statement as follows:

eg. Survey Post placed at stns.....  
Branded Survey Post placed at stns.....

Original: Show on face only.

eg. *OSP, OSP hole, OSP distd, OSP lying reset.*

## SYMBOLS

See Page 45.

## TABULATIONS

When a plan has been 'turned', tabulations are to be treated likewise so as to facilitate easy reading of plan. See also 'NORTH POINT' - Page 22, 'TRAVERSES' - Page 30, 'REFERENCE MARKS' - Page 25 and 'PERMANENT MARKS' - Page 24.

## TELEGRAPH POLES

See 'REFERENCE MARKS' - Page 25.

## TOWN

Town or City as per published map. See 'CITIES' - Page 11.

## TRAVERSES

Extraneous field traverse information is generally not shown.

When traverse lines are shown, dimensions are shown on face or tabulated. When tabulation is adopted, numerical order is preferred.

eg.

### TRAVERSES ETC

LINE	BEARING	DIST.
1 - 2	180° 07'	13.13
3 - 4	236° 43' 30"	105.26
5 - 5a	355° 32' 40"	20.117

(a) Where a traverse has been run to establish a new boundary along an inaccessible tract (cliff, etc.) the traverse is shown in the normal manner and the boundary shown calculated. See 'CALCULATED LINES' - Page 10.

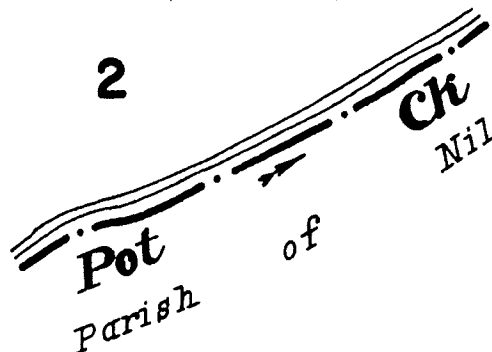
(b) Where survey marks are placed on a traverse, these marks must be recorded on the plan.

See also 'DATUM' - Page 14, 'GEODETTIC TRAVERSE' - Page 18, 'LINEWORK' - Page 20, 'OFFSETS' - Page 22, and 'WATERCOURSES' - Page 31.

## WATERCOURSES

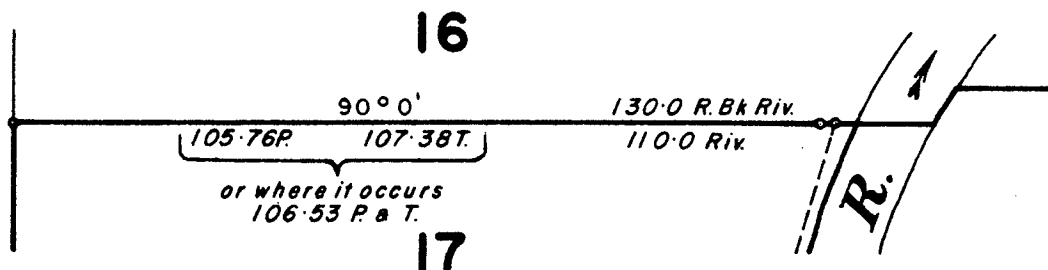
- (a) Show opposite bank of watercourse if practicable. It is not always necessary, however, to show information on the otherside of watercourse forming boundaries except for Parish and County names.

eg.



- (b) Distances on the boundary terminating at a watercourse are to include distance to: (1) Post or Peg.  
(2) Traverse.  
(3) Bank or Watercourse Boundary (Ck, Riv, etc.).

eg.



- (c) An arrow indicating "downstream" must always be shown.
- (d) For DMS and MINES DEPT. plans  
While traverses of watercourses are to be indicated on plan when run, there is no necessity to show when original. The original Catalogue Number shown along the watercourse will suffice.
- (e) For Titles Office Plans  
Where traverses of watercourses are used to obtain a new area of a lot or to prove a close, it is required that the original traverse dimensions be shown on the plan.
- (f) Offsets taken from traverse to watercourse are not to be shown on plan, but should be contained in the lodged field records.

# ABBREVIATIONS

## GENERAL ABBREVIATIONS

About	Abt
Addition	Addn
Alignment Spike	A.SpK.
Allotment	Allot
Alluvial Mining Claim	A.M.C.
Application Post	Appln Post
Approximately	Approx.
Australian Grid Datum	A.G.D.
Australian Height Datum	A.H.D.
Australian Map Grid	A.M.G.
Authority to Prospect	A. to P.
Avenue	Av.
Balance	Bal.
Bank	Bk
Bitumen	Bit.
Boulevard	Bvd
Brick	Br.
Brook	Brook
Building	Bldg
Business Area	B.A.
Calculated	Calc.
Centre	Gen. (C.)
Close	Cl.
Coal Mining Lease	C.M.L.
Concrete	Conc.
Connection	Conn
Construction	Constn
Corner	Cor
County	Cty
Court	Ct
Creek	Ck
Crescent	Cres.
Datum Post	D.Post
Dead	Dd
Department of Mapping and Surveying	D.M.S.
Departmental	Deptl
Developmental	Dev.
Diagram	Diag.
Distance	Dist.
Disturbed	Distd

## GENERAL ABBREVIATIONS contd

Dog Spike	D. Spk.
Dredging Area	D.A.
Dredging Claim	D.C.
Dredging Lease	D.L.
Drill Hole	D.Hole (D/H)
Drive	Dr.
Easement	Emt
East	E.
Electric Light Pole	E.L.P.
Esplanade	Esp.
Expressway	Expwy
Extended	Extd
<u>Fence Posts:</u>	
Round Fence Post	R.F.P.
Square Fence Post	S.F.P.
Square Concrete Fence Post	Conc.S.F.P.
Round Steel Fence Post	} Steel F.P. or G.I.F.P.
Round Galv. Iron Fence Post	
Steel Fence Post	
Tubular Steel Fence Post	
Corner Square Fence Post	Cor S.F.P.
Centre Round Fence Post	Cent.R.F.P.
Centre Face Square Fence Post	Cent.Face S.F.P. (C.Face S.F.P.)
Freeway	Fwy
Foot	Ft
Found	Fd
Galvanised	Galv.
Galvanised Iron	G.I.
Gold Field Homestead	G.F.H.
Gold Mining Lease	G.M.L.
Ground	Gnd
Hectares	ha.
Highway	Hwy
High Water Mark	H.W.M.
Holding	Hldg (H.)
Identification	Ident.
Identification Survey	I.S.
Instruction	Inst.
Intersection	Intsn
Iron Pin	Pin
Island	Is.



## GENERAL ABBREVIATIONS contd

Kilometre(s)	km.
Leaning	Leang
Left Bank	L.Bk
Licensed Gem Claim	L.G.C.
Licensed Surveyor	Licd Surv.
Line Peg	L.P.
Local Government	Local Govt
Low Water Mark	L.W.M.
Machine Area	M.A.
Market Garden Area	M.G.A.
Mark	Mk
Measurement	Mmt
Metre(s)	m
Mile(s)	M
Mineral Claim	M.C.
Miner's Homestead Perpetual Lease	M.H.P.L.
Mining Lease	M.L.
Mount	Mt
Mountain	Mtn
<u>Nails:</u>	
Galv. Iron Nail	G.I.Nail
Lead Head Nail	L.H.Nail
Ramset Nail	Ram.Nail
Round Head Nail	R.H.Nail
Spring Head Nail	S.H.Nail
North	Nth (N.)
Obliterated	Obltd
Occupation	Occupn
Old	Old
Original	Orig.(O.)
Original Iron Pin	O.I.P.
Original Peg	O.P.
Original Permanent Mark	O.P.M.
Original Survey Post	O.S.P.
Overhead	O/H
Parade	Par.
Peg	Peg (P)
Permanent	Perm.
Permanent Mark	Perm.Mk (P.M.)
Petroleum Lease	P.L.

## GENERAL ABBREVIATIONS contd

Petroleum Prospecting Permit	P.P.P.
Petroleum Well Location	P.W.L.
Pipeline License	P.Lic.
Placed	Pld
Pointer	Ptr
Portion	Por.
Power Pole	P.P.
Prospecting Area	P.A.
Purposes	Purps
Railway	Rly
Ranged Only	Rgd Only
Reads	Rds
Recreation	Rec.
Registered Surveyor	Regd Surv.
Reinstated	Reinstd
Remains	Remns
Remarked	Remkd
Removed	Remvd
Renewed	Renwd
Reset	Reset
Reserve	Res.
Reserved	Resd
Residence Area	R.A.
Restricted Mining Claim	R.M.C.
Restricted Mining Purposes Claim	R.M.P.C.
Resubdivision	Resub.
Right Bank	R.Bk
Right of Access	R. of A.
Right of Way	R. of W.
River	Riv. (R.)
Road	Rd
Section	Sec.
Sheet	Sh.
South	Sth (S)
Special Bauxite Mining Lease	S.B.M.L.
Special Coal Mining Lease	S.C.M.L.
Special Gem Claim	S.G.C.
Special Mining Lease	S.M.L.
Special Perpetual Mining Purposes Lease	S.P.M.P.L.
Spike	Spk.
Split	Split

Standard	Stand
Star Picket	S.Pkt
Station	Stn
Straightened	Strghd
Strainer	Strr
Street	St
Stump	Stp
Subdivision	Sub.
Suburban	Subn
Surface	Surf.
Surface Area	Surf.Area (S.A.)
Surveyed	Survd
Tailings Area	T.A.
Telegraph Pole	T.P.
Terrace	Ter.
Traverse	Trav.
Underground	U/G
Vacant Crown Land	V.C.L.(Vac.)
Very Old	V.Old
Water Hole	W.H.
Water Right	W.R.
West	W.

## ABBREVIATIONS OF COMMON TREES

Bauhinia	Bauh.	Mahogany	Mahog.
Beefwood	Beefwd	Mangrove	Mgrove
Blackbutt	Bkbutt	Messmate	Mmate
Blackwood	Blackwd	Milkwood	Milkwd
Bloodwood	Bldwd	Moreton Bay Ash	M.B.Ash
Bollywood	Bollywd	Nutwood	Nutwd
Bonewood	Bonewd	Peppermint	Pmint
Bottle Brush	Bot. Brush	Pepperwood	Pepperwd
Bottle Tree	Bot. Tree	Poplar Gum	Pop. Gum
Boxwood	Boxwd	Quandong	Qdong
Brigalow	Brig.	Rosewood	Rosewd
Cabbage Gum	Cab. Gum	Saffron Heart	Saf. Heart
Camphorwood	Camphwd	Sandalbox	Sandbox
Candlenut	Candnt	Sandalwood	Sandwd
Cheesewood	Cheesewd	Sassafras	Sasfras
Coachwood	Coachwd	Satinwood	Satinwd
Coolibah	Coolbh	Scrubtree	} Scrub
Corkwood	Corkwd	Scrubwood	
Cottonwood	Cottonwd	Silkwood	Silkwd
Cypress Pine	Cy. Pine	Spotted Gum	Sp. Gum
Dead Finish	Dd Fin.	Stringybark	Stybk
Fibrewood	Fibrewd	Sycamore	Symore
Gum Topped Box	G.T. Box	Tallowwood	Tallowd
Ironbark	Ironbk	Tulipwood	Tulipwd
Ironwood	Ironwd	Turpentine	Turp.
Johnson River Hardwood	J.R. Hardwd	Whitewood	Whitewd
Kurrajong	Kjong	Yellowjacket	Y Jacket
Lancewood	Lancewd	Yellowwood	Yellowd

(Other tree names are generally shown in full)

# STYLES

NOTE:

The use of mechanical guides and computerised drafting equipment will produce styles that may vary from those shown in this segment. The use of this equipment to produce plans is acceptable provided -

- (a) That the end result displays the information in a clear and concise manner;
- (b) That variable pen sizes, lettering heights, etc., are used to indicate the information in an unambiguous manner, attempting to demonstrate the guidelines contained within the pages of this manual;
- (c) That the plan can be reproduced at a reduced scale to enable microfilming to take place.

# GENERAL STYLES

1. **ABCDEFGHIJKLMN OPQRSTUVWXYZ**  
**1234567890**

Subject Portion, Allotment, Reserve, Lot, Mining Tenure (MHL, MHPL, ML, SML, SCML, SPML, SGC, etc.), Easement, Island, Diagram and Sub and Resub number (if plan crowded).

2. *ABCDEFGHIJKLMN OPQRSTUVWXYZ*  
*1234567890 abcdefghijklmnopqrstuvwxy z*

Adjoining Style of "1" above and their catalogue numbers. Adjacent Town, City, Road, Street, Railway, Channel and Drainage Area. All Distances. All column entries. Statements and Endorsements. Corner Information. Plan Title (where applicable). Features (Gully, Bldg, 2B. IP. fence, etc.). Read and Ranged Only Bearing. Area (right of decimal). Column Headings.

3. **ABCDEFGHIJKLMN OPQRSTUVWXYZ**  
**1234567890**

Subject Road, Street, Lane, Pathway, Drain and Channel Area, Railway, Highway, Expressway, Freeway, Parish & Town (in title).

4. **ABCDEFGHIJKLMN OPQRSTUVWXYZ CGS**  
**1234567890 abcdefghijklmnopqrstuvwxy z**

Subject Bay, Sea, Ocean, River, Creek, Sub, Resub, County (in title), Area (left of decimal). Plan Title (where applicable). Adjoining state ..... N.S.W. etc.

5. *abcdefghijklmnopqrstuvwxy z*

Note: For Capitals use style 6 with three exceptions: *CGS*

Adjoining County Names, Creeks (also internal).

6. *ABCDEFGHIJKLMN OPQRSTUVWXYZ*

Adjoining Rivers, Parish Names, (Upper and Lower Case) Bay, Ocean, Sea.

44.

**GENERAL STYLES contd**

7. ABCDEFGHIJKLMNOPQRSTUVWXYZ

1234567890 abcdefghijklmnopqrstuvwxyz

Subject Reserve Purpose, Holding, Parish on face (when applicable) - and - "Remaining" RP. description where the "initial" part is shown  
Vide "4" or "1" above.

8.	1234567890	Subject Town Section	Subn Sec <b>1</b>
	<i>1234567890</i>	Adjoining Town Section	Subn Sec <i>1</i>

9. 1234567890 abcdefghijklmnopqrstuvwxyz

All bearings (except Column entries, Numbers (except eg. 'la' use 'la')). and Reads). Station

# SYMBOLS





ADIT.....

PEAK.....

BINDER.....   
*Internal*                        
*External*

PHOTOGRAMMETRIC CONTROL POINT.....

BORE..... *Bore*

POWER LINE.....

BROAD ARROW.....

RANGE OR RIDGE.....

BRIDGE.....

RETAINING WALL.....

CLIFF OR ESCARPMENT..... OR

ROCKY FORESHORE.....

CUTTING.....

SCRUB OR TIMBER EDGE.....

DAM.....

SHAFT.....

EMBANKMENT OR STEEP BANK.....

SWAMP.....

FENCE..... *On boundary*   
*Internal*

TANK..... *Tank*

GULLY.....

TELEPHONE AND TELEGRAPH LINE.....

HORIZONTAL CONTROL POINT.....

TRACK.....

MANGROVES.....

VERTICAL CONTROL POINT.....  
 Cadastral Traverse  
 Permanent Mark  
 Bench Mark

MINING DISTRICT.....

WEIR.....   
*Weir*

MINING FIELD.....

WELL..... *Well*

OBSERVATION STATION.....

WINDMILL.....

## DEPARTMENTAL REQUIREMENTS

By requirements is meant the action to be followed on a plan to make effective the approval of the relevant Authority in accordance with the Act or Acts under which that Authority operates.

FOR D.M.S. REQUIREMENTS	SEE PAGE 51
FOR MINES DEPT REQUIREMENTS	SEE PAGE 73
FOR TITLES OFFICE REQUIREMENTS	SEE PAGE 95

REQUIREMENTS  
OF THE  
DEPARTMENT  
OF MAPPING  
AND SURVEYING

# REQUIREMENTS OF THE DEPT OF MAPPING AND SURVEYING

## GENERAL:

1. Plans shall be accurate conforming to the Drafting Standards and Departmental Requirements as set out in this Manual. Plans found to be inaccurate, faulty or not up to the standard of professional work may not be accepted. Plans must be able to be reproduced at a smaller scale without becoming illegible.  
See DMS Specimen Plan.  
See Direction 5 of Directions to Surveyors 1978.
2. For plans lodged with the DMS for registration it is preferred that the survey information (Reference Marks etc.) be tabulated as per the DMS Specimen Plan.
3. Definitions:
  - (a) DMS plan "REGISTERED" means plan is lodged, assigned a catalogue number, acceptance tested and deposited in the Department's Plan Room where it is available for inspection as a record of survey only.
  - (b) DMS plan "CHARTED" means, that following registration of the plan, Land transactions have proceeded, details of plan and tenure have been recorded on the "administrative map" and consequential actions such as issue of Deed or Lease etc. are proceeding.
4. Conversion of Imperial Areas to Metric:
  - (a) In excess of 1 hectare convert to the nearest third decimal place.
  - (b) Less than 1 hectare convert to the nearest fourth decimal place (ie. nearest m<sup>2</sup>).

See 'METRIC DOCUMENTATION' - Page 7 para. 7.
5. Before a plan is "REGISTERED" any alterations will be effected by erasure and corrections and additions shown in black. In most cases this will entail the return of the plan to the Surveyor.  
  
Once the plan is "REGISTERED" any alterations or additions will be effected by "crossing out" and amending in red. In these cases the plan will be suitably endorsed with a qualifying statement signed by the Supervising Computer - DMS.
6. Plans privately instructed, together with report, calculations and lodgement fee, etc., to be forwarded to the Surveyor-General, 17th Floor, Watkins Place, 288 Edward St. Brisbane. Postal Address "Surveyor-General P.O. Box 234 BRISBANE. NORTH QUAY. 4000".  
Standard DMS Plan Forms, Field Books, etc., are available at the above location.

# MAIN ACTIONS

55.

SEE EXAMP  
SKETCH

## I. ADDITIONS OF CROWN LAND (CLOSED ROAD ETC) TO:

- (a) CROWN LAND
- (b) FREEHOLD LAND
  - (i) T.O. pre-shortened descriptions (Sub.1)
  - (ii) T.O. shortened descriptions (Lot 1)
  - (iii) Amalgamated and Consolidated Titles
- (c) RAILWAY PROPERTY

A

## 2. EXCISION OF AREAS FOR:

- (a) NEW ROAD FROM:
  - (i) Freehold Land
  - (ii) Crown Land
  - (iii) Commonwealth Property (T.O. Plan req'd)
- (b) NEW AND EXISTING SCHOOLS, HOSPITALS, NATIONAL PARKS, CROWN LEASES ETC. FROM:
  - (i) Freehold Land
  - (ii) Crown Land (See 3(d) hereunder)
- (c) RAILWAYS AND FREEWAYS FROM:
  - (i) Freehold Land and Commonwealth Property. (T.O. plans of survey req'd in all cases unless Section 9 of the Land Act 1962-1982 is utilised for Tenure Correction.)
  - (ii) Crown Land (Treat as per 2A(ii) above.)

B

C

B

## 3. SUBDIVISION OF CROWN LAND:

- (a) GOVERNMENT ESTATES
- (b) INDUSTRIAL ESTATES
- (c) DEVELOPMENT LEASE ESTATES
- (d) CROWN LEASEHOLD

D

E

IF IN DOUBT ON THE PLAN TREATMENT FOR ANY OF THE ABOVE ACTIONS OR FOR ANY ACTIONS THAT MAY NOT APPEAR IN THIS SEGMENT, CONTACT SHOULD BE MADE WITH THE PRINCIPAL DRAFTSMAN - PLANS SECTION - DMS - TELEPHONE (07) 224-5826.

# PRESENTATION OF PARTICULAR REQUIREMENTS

## I. IDENTIFICATION SURVEYS (OR RESURVEYS AND REMARKINGS)

- (a) When plan is lodged in DMS title will be -  
 eg. "Identification Survey of....."  
 Plan will be drafted on standard DMS plan form.
- (b) Where survey effected and plan lodged for the purpose of  
 Title correction under Section 9 of the Land Act, Title  
 of plan will be -  
 eg. "Resurvey of....."

## 2. EASEMENTS (As "located" by computation from Engineering Surveys etc)

~~These refer mainly to Easements for power and pipe lines etc. in Crown Lands where the centre lines have been marked (pinned etc.).~~

~~NOTE Statement required on plan regarding the order of accuracy vide Regulation 32(4) of the Survey Regulations 1978 and Direction 5(IIa) of the Directions to Surveyors 1978. Source of the engineering centre line survey is also to be shown.~~

## 3. LEASES (Excluding leases in Vested Lands)

- (a) When recovery marks are placed, survey will be drafted on the standard DMS plan form for Leases in Crown Land. Leases in freehold land will be drafted as an "Identification Survey" for lodgement in the Titles Office.
- (b) When recovery marks are not placed, survey can be drafted in sketch form for Leases in both freehold and Crown lands. To standardise recording and storage it is preferred that the sketch form be approximately 250 mm x 350 mm. (Sketch forms are available from DMS if required.)

## 4. AREAS TO BE VESTED & LEASES THEREIN

(in Harbour Boards etc)

All surveys will be drafted on the standard DMS plan form. To obtain descriptions for these areas written request should be forwarded to the Surveyor-General "Attention the Supervising Draftsman - Chartings Section."

## 5. SURVEYS (ROADS ETC) INVOLVING UNMARKED CORNERS

(REG.28 (1)(a) & DIRECTION 2 OF DIRECTIONS TO SURVEYORS 1978)

NOTE Statement on plan referring to corners not marked and method of treating boundary lines.

SEE EXAMPLE  
 SKETCH

G

H  
 1&2

J

SEE EXAMPL  
SKETCH

### 6. SURVEYS INVOLVING USE OF PHOTOGRAMMETRIC METHODS

- NOTE (a) Surveys proposing the use of Photogrammetric Methods should be referred to the Director of Surveys - DMS - Telephone (07) 224-5881.
- (b) Method of defining boundaries on sample sketch.
- (c) Classifying statements on sample sketch.

K

### 7. SURVEY OF NEW ROAD CRISS-CROSSING OLD ROAD

(Where the unwanted parts of the old road are to be closed and added to the affected block.)

- (a) The affected block will be completed on plan if in a surveyed state for both freehold and Crown lands. (Regulation 29 plans can be drafted as necessary or advantageous to do so.)
- (b) On face show - eg. *New Road*.....(1-2-3-4).....**1.041 ha**  
*Old Road*.....(5-6-7-8).....**2.317 ha**

N

### 8. UNSURVEYED ROADS ADJOINING BOUNDARIES

E

### 9. EROSION - ACCRETION

E

### 10. CONNECTIONS TO TRIG & CONTROL STATIONS

L

### 11. PLANS WITHOUT FIELD SURVEY (REG. 29)

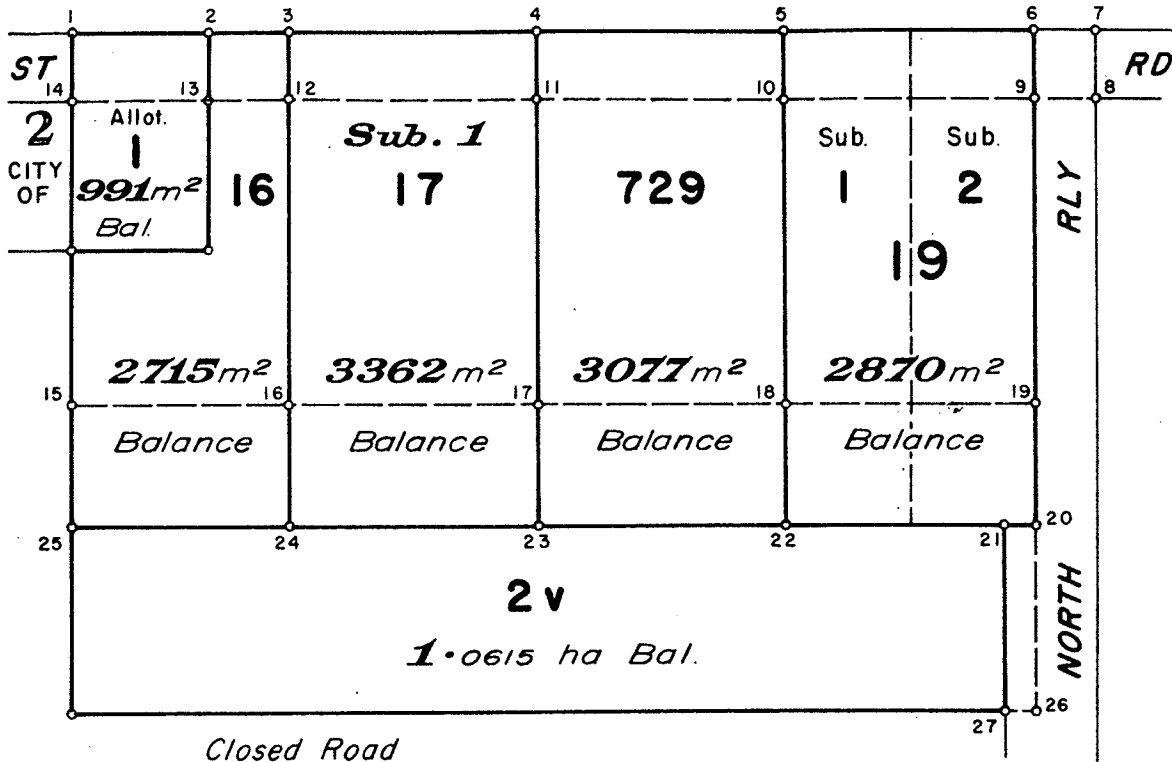
M

1 & 2

IF IN DOUBT ON THE TREATMENT OF ANY OF THE ABOVE METHODS, OR FOR ANY METHODS THAT MAY NOT APPEAR IN THIS SEGMENT, CONTACT SHOULD BE MADE WITH THE EXECUTIVE COMPUTER - DMS - TELEPHONE (07) 224-5874. *Chief Examiner*  
5781

# EXAMPLE SKETCH A

Por. 2v R.174 Reserve for Camping



<i>Allot. 1 (1-2-13-14).....</i>	<b>200m<sup>2</sup></b>		<u>Area Added</u>		
<i>Por. 16 (2-3-12-13).....</i>	<b>201m<sup>2</sup></b>	<i>(15-16-24-25).....</i>		<b>823m<sup>2</sup></b>	
<i>Sub. 1 (3-4-11-12).....</i>	<b>398m<sup>2</sup></b>	<i>(16-17-23-24).....</i>		<b>790m<sup>2</sup></b>	
<i>Lot 3 on RP.35678 (4-5-10-11).....</i>	<b>401m<sup>2</sup></b>	<i>(17-18-22-23).....</i>		<b>655m<sup>2</sup></b>	
<i>Subs 1 &amp; 2 (5-6-9-10).....</i>	<b>410m<sup>2</sup></b>	<i>(18-19-20-22).....</i>		<b>647m<sup>2</sup></b>	
<i>Rly Property (6-7-8-9).....</i>	<b>137m<sup>2</sup></b>	<i>(20-26-27-21).....</i>		<b>415m<sup>2</sup></b>	
<u>Total Area Excised from Por. 2v.....</u>			<i>(15-19-26-27-21-25).....</i>	<b>3330m<sup>2</sup></b>	

Portion 729 includes former Lot 3 on RP. 35678.

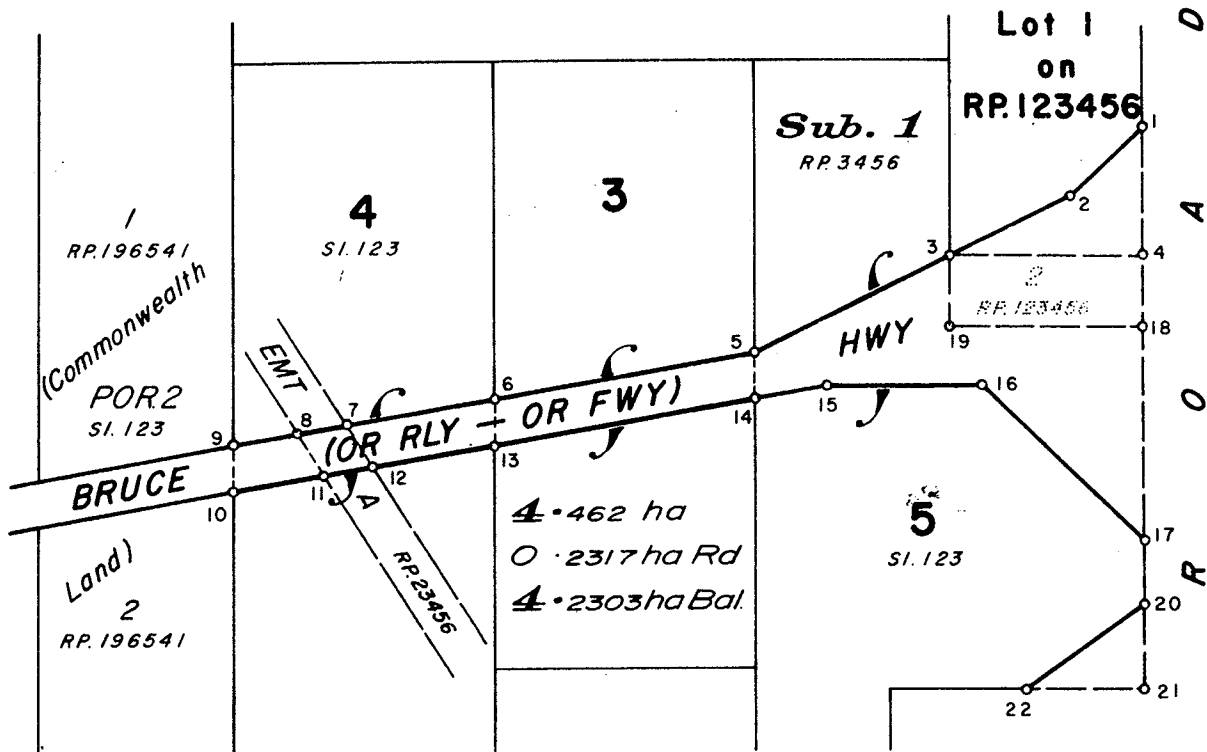
**Plan Title.... Allot. 1 of Sec. 2 CITY OF....., Pors 2v, 16, 729, Sub. 1 of Por. 17, Subs 1 & 2 of Por. 19 & Addition to Railway Property.**

**NOTES**

- (a) For all additions the affected blocks, whether Freehold or Crown Land, will be completed on the plan if in a surveyed state. (Regulation 29 plans can be drafted as necessary or advantageous to do so.)
- (b) Action on face of the plan to state "Closed Road, Area Added, Area Excised" and not "Road to be closed", "Area to be Added or Excised" etc.
- (c) Portion 729 (obtained from the Chartings Section - DMS) is the new description for amended Lot 3 on RP.35678. (Regulation 29 plans can be drafted as necessary or advantageous to do so.)
- (d) Being Crown Land and in a surveyed state Portion 2V has been amended. (Regulation 29 plans can be drafted as necessary or advantageous to do so.) Details of Portion 2V are shown at the top of the plan, not within subject block.
- (e) Additions to a Consolidated Title (Subs 1 and 2 of Portion 19) result in no plan being available for the individual parcels, unless sufficient additional survey effected and Titles Office plan of individual block forwarded to the Land Administration Commission for lodgement with the new Deed of Grant.



**EXAMPLE SKETCH B**



New Road

Lot 1 (1-4-3-2).....	<b>1587 m<sup>2</sup></b>
Sub. 1 (5-3-19-18-17-14).....	1.062 ha
(20-21-22).....	0.0733 ha
Total.....	<b>1.1353 ha</b>
Por. 3 (6-5-14-13).....	<b>2317 m<sup>2</sup></b>
Por. 4 (9-6-13-10).....	<b>2320 m<sup>2</sup></b>

Area Excised from Emt A  
(8-7-12-11).....**633 m<sup>2</sup>**

Plan Title... Por. 3, Road in Por. 4, Sub. 1 of Por. 5 and in Lot 1 on RP.123456 (Orig. Por. 5)

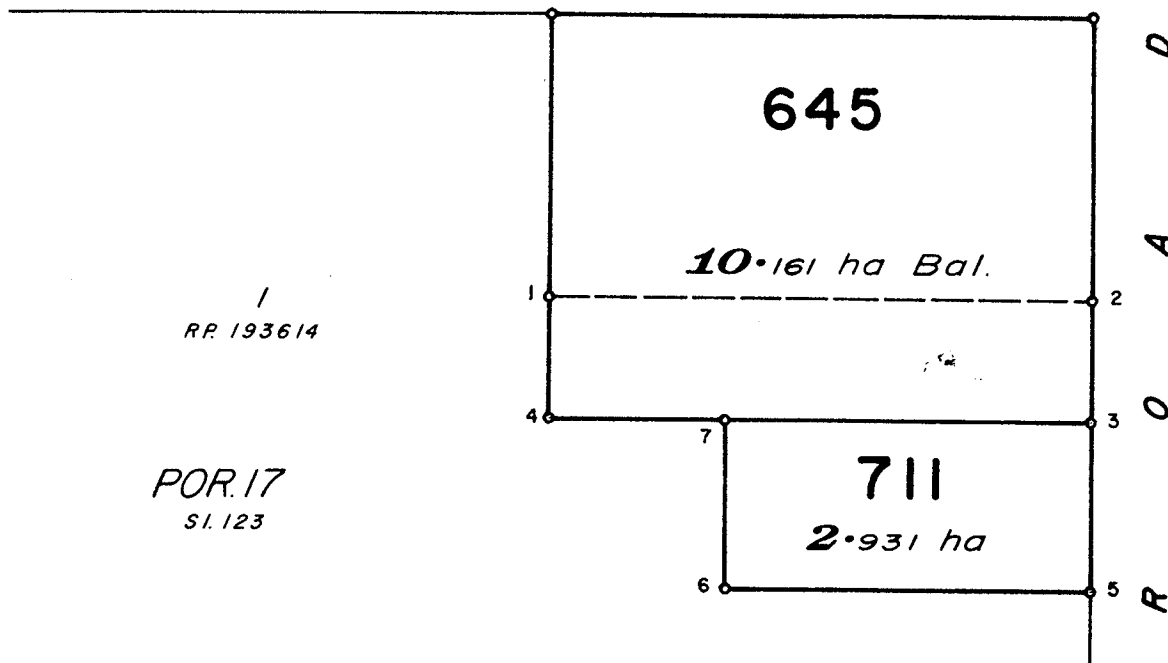
NOTES

- (a) For excisions, the affected Freehold blocks are not completed.
- (b) For excisions, the affected Crown Land blocks are completed if in a surveyed state (Portion 3). (Regulation 29 plans can be drafted as necessary or advantageous to do so.)
- (c) Action statement is "New Road" and not "Area of New Road" or "Road to be opened".
- (d) Railway and Freeway Excisions are usually issued with a description to enable title to issue.  
(Note - In Freehold Land, treat as a Subdivision and prepare Titles Office Plan of Survey unless Section 9 of the Land Act is used for Title correction.)
- (e) Note the statement for Excisions from Easements. (No mention is made in the Title.)
- (f) Excisions from Commonwealth Freehold (Orig. Portion 2) are treated as a subdivision. A Titles Office Plan of Survey is prepared for these cases (Lots 1 to 3 on RP.196541 - Lot 3 being the road).
- (g) (3-4-18-19) is a block that has been resumed in its entirety.
- (h) See also 'SHEET NUMBERS' - Page 29.

## EXAMPLE SKETCH C

Por. 645, R.1743, Reserve for State School (Secondary - Kenmore)

Por. 711, R.2067, Reserve for Police Purposes



Excisions from Resub. 2 of Sub. 3 of Por. 17

(1-2-3-4)..... **3.017 ha** (Lot 2 on RP.193614)

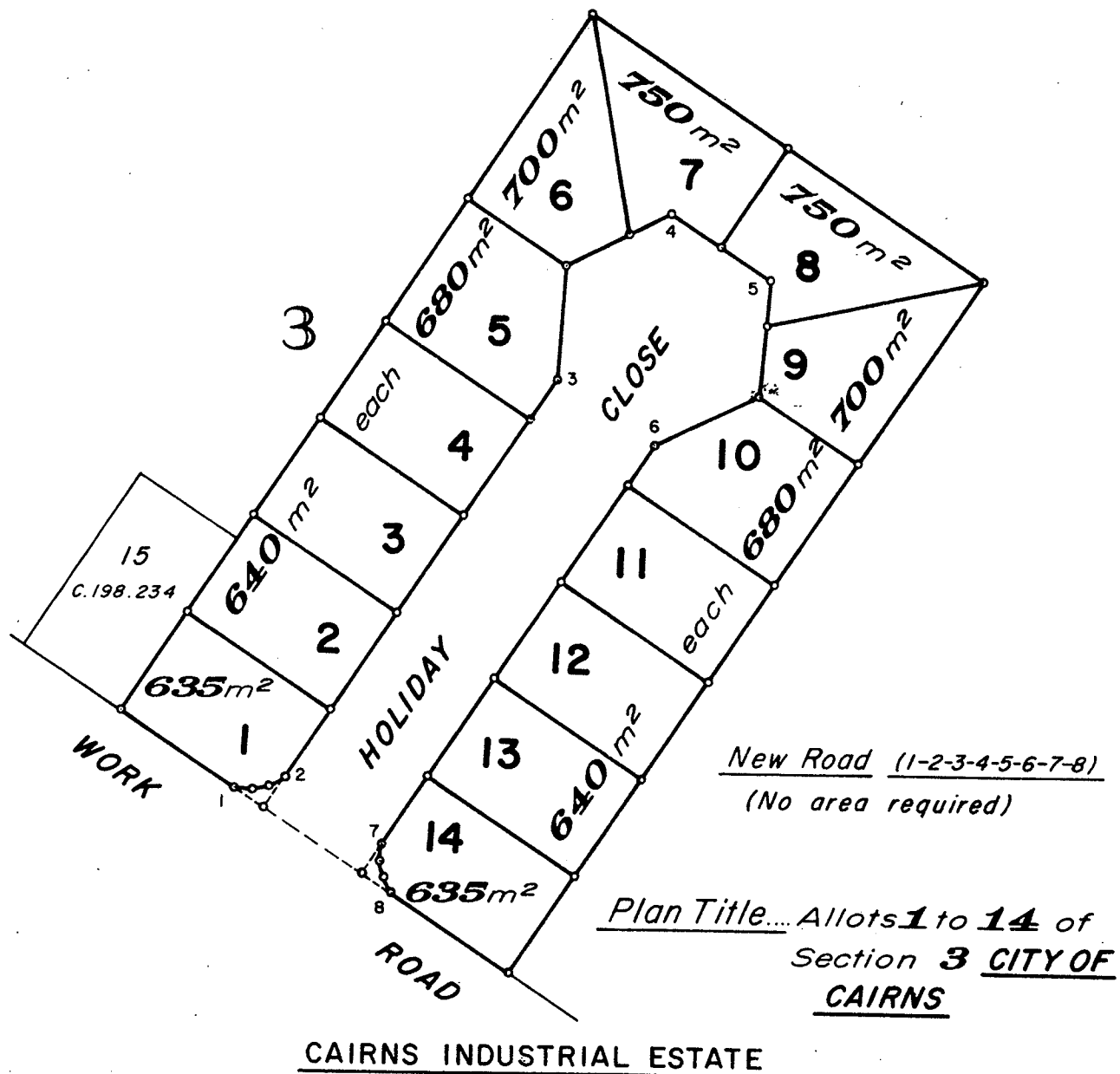
(3-5-6-7)..... **2.931 ha** (Lot 3 on RP.193614)

Plan Title..... **Pors 645 & 711**

### NOTES

- (a) This sketch is an example of the requirements for the survey of areas to be resumed from Resub.2 for Sub.3 of Portion 17 for addition to an existing school (Portion 645) and for the establishment of a new Police Station (Portion 711).
- (b) Being Crown Land and in a surveyed state, Portion 645 has been amended, and Portion 711 (obtained from Chartings Section - DMS) established.
- (c) To allow the proclamation resuming the areas from Resub.2 to be registered in the Titles Office, a Titles Office plan of Compilation (Lots 1 to 3 on RP.193614-canc. Resub.2) is required to be drawn using the new survey and original information.
- (d) Note the special statement to be shown on the DMS plan for these actions.
- (e) Note also the adjoining information required on the DMS plan.
- (f) Statement on face is "Excision from" and not "Area to be excised" etc.
- (g) When the subject area is to be excised from Crown Land the balance of the affected block is completed on the DMS plan if it is in a surveyed state. (Regulation 29 plans can be drafted as necessary or advantageous to do so.)

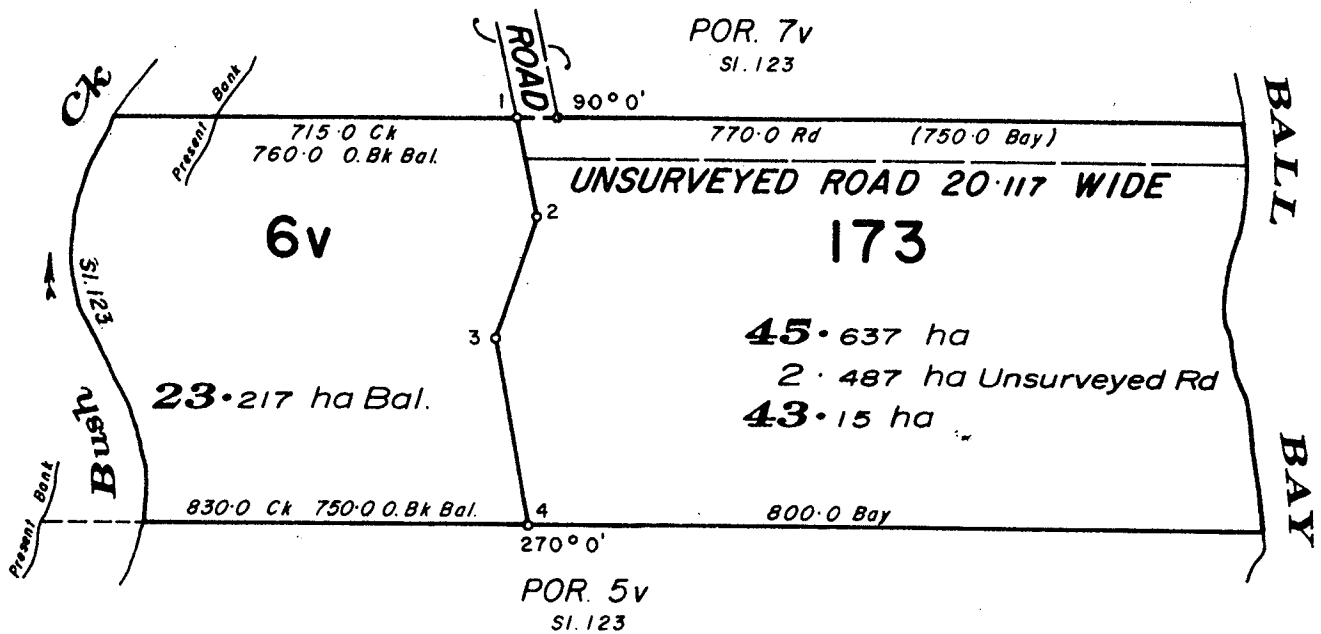
# EXAMPLE SKETCH D



## NOTES

- (a) Statement on face is "New Road" not "Road to be Opened" etc.
- (b) "New Road" is shown only when the consent of the Client Department or Local Authority is given, or when indicated in DMS advices.
- (c) In most cases balance of the original descriptions are not shown as the adjoining information. New descriptions that have been established since the estate has been created are shown as adjoining information (Allot 15). Boundaries of designed areas are not shown.
- (d) The name of the Industrial Estate is shown at the bottom of the plan.

# EXAMPLE SKETCH E



Plan Title.....Portions **6v** and **173**

### NOTES

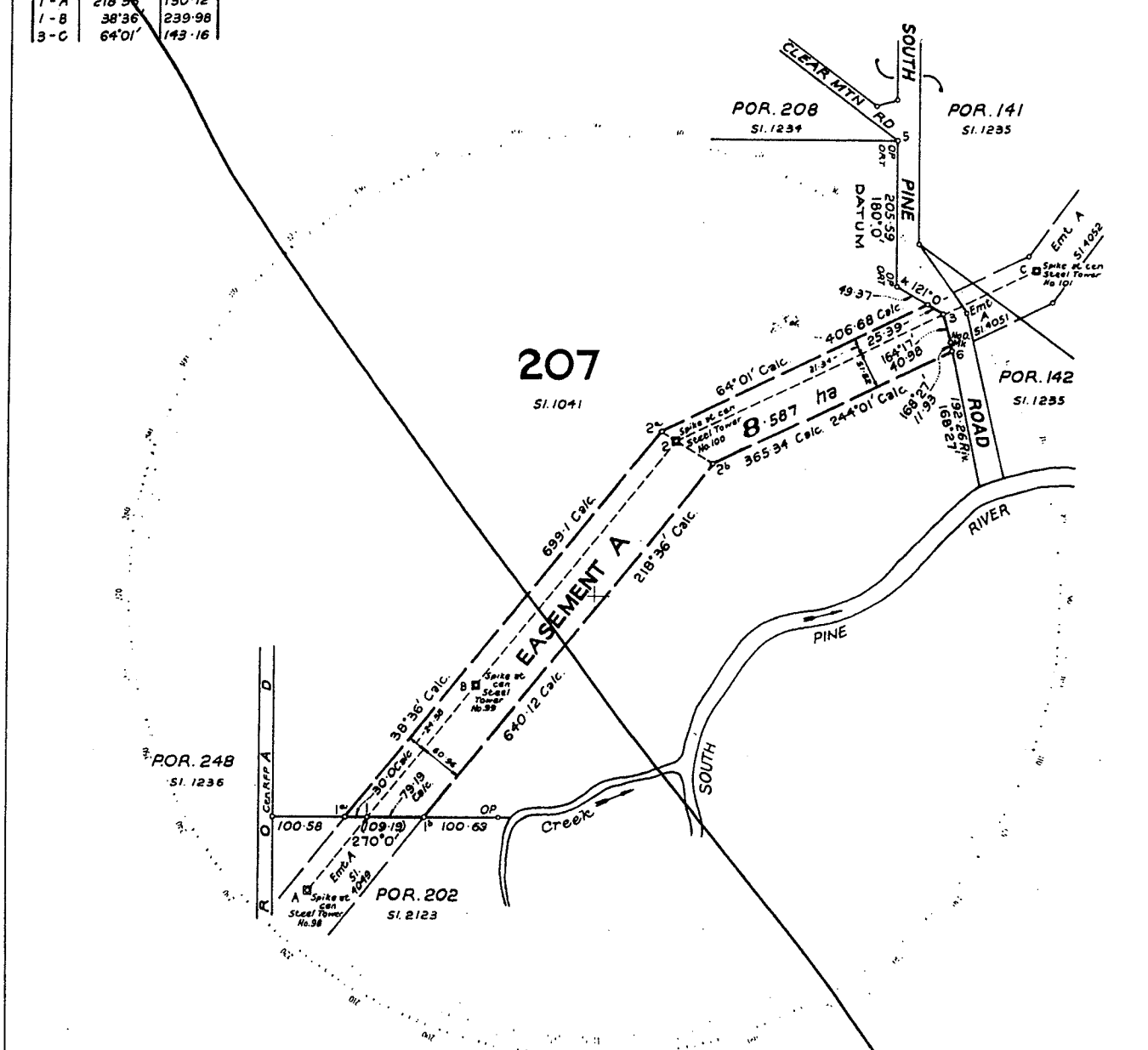
- (a) Portion 6V is Crown Land leased as (eg.) a Grazing Farm and Portion 173 is an area required from Portion 6V for a National Park or Crown Reserve etc.
- (b) No statement is necessary on the face of the plan to depict any action.
- (c) HIGH WATER MARK  
References to High Water Mark are to be omitted unless H.W.M. has been accurately determined as "MEAN HIGH WATER MARK" or "MEAN HIGH WATER OF SPRING TIDES". Distances can be shown as to Bay, River, Ocean, Sea, Inlet, Outer Edge Retaining Wall, etc.
- (d) EROSION ACCRETION  
Unless the boundaries of the land have shifted or altered by gradual and imperceptible degrees, the original bank is to be retained as the boundary with the present position of the banks etc. plotted as a feature and labelled accordingly.  
This applies also in surveys of New Roads, Railways, etc., which record noticeable shifts in a watercourse.
- (e) Note treatment for an "Unsurveyed Road" adjoining a boundary (in Portion 173).

**TRAVERSES ETC**

LINE	BEARING	DIST
1-2	38°36'	680.0
2-3	64°01'	406.9
2-2 <sup>a</sup>	302°0'	25.0
2-2 <sup>b</sup>	122°0'	60.0
1-A	218°36'	130.12
1-B	38°36'	239.98
3-C	64°01'	143.16

**EXAMPLE SKETCH F**

Peg placed at stns  
3 & 6



**REFERENCE MARKS**

STN	TO	BEARING	DIST	BRAND
4	O. Gum	183°0'	6.35	A. R
5	O. Gum	215°0'	3.1	A. R

Lines 3-4, 4-5 & 3-6 surveyed in accordance with Regulation 32(4) other connections ± 0.03 metres plus one part in 3000 of the distance. Distances 1-2 & 2-3 deduced from Q.E.G.B. engineering & survey Ref. (if any)

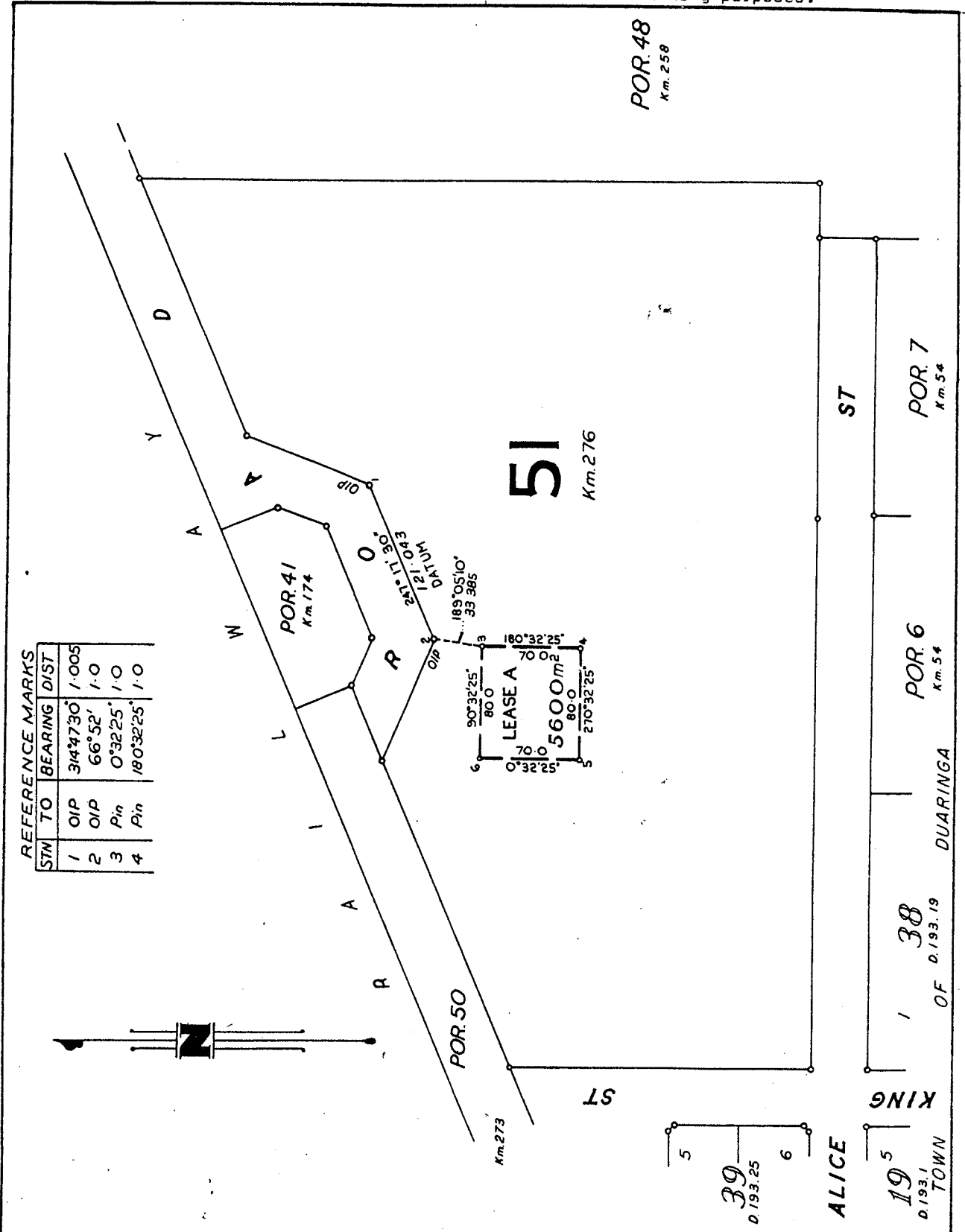
10.3

<p>I, <u>John William Brown</u>, hereby certify that I have personally surveyed the land comprised in this plan (either personally or by <u>PERSONALLY</u> for whose work I have accepted responsibility, that the plan is accurate, that the said survey was performed in accordance with the Surveyors Act 1977 and the Surveyors Regulation 1978 and that the said survey was completed on <u>30.6.82</u></p> <p><u>J.W. Brown</u>, Licensed Surveyor Date <u>2.7.82</u></p> <p>SURVEY RECORDS <u>N.O.T.</u> LOADED</p>	<p><b>MERIDIAN</b></p> <table border="1"> <thead> <tr> <th>LINE</th> <th>PLAN BEARING</th> <th>A.M.G. BEARING</th> </tr> </thead> <tbody> <tr> <td>Add</td> <td>0° 03'</td> <td>for</td> </tr> <tr> <td></td> <td>C. A. M.</td> <td></td> </tr> <tr> <td>Vide</td> <td>SI.1041</td> <td></td> </tr> </tbody> </table>			LINE	PLAN BEARING	A.M.G. BEARING	Add	0° 03'	for		C. A. M.		Vide	SI.1041		<p><b>PLAN OF Easement A in Portion 207</b></p> <p></p> <p>SCALE 1:000</p> <table border="1"> <thead> <tr> <th>AUTHORITY</th> <th>D.M.S. REF.</th> <th>DRAWN</th> <th>REGISTERED</th> <th>CHARTED</th> <th>MAP REF.</th> </tr> </thead> <tbody> <tr> <td>C.A.123 P42</td> <td>81 K1/123 15.12.81</td> <td></td> <td></td> <td></td> <td>1:10 000 8444-121</td> </tr> </tbody> </table>				AUTHORITY	D.M.S. REF.	DRAWN	REGISTERED	CHARTED	MAP REF.	C.A.123 P42	81 K1/123 15.12.81				1:10 000 8444-121
	LINE	PLAN BEARING	A.M.G. BEARING																												
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Vide	SI.1041																														
AUTHORITY	D.M.S. REF.	DRAWN	REGISTERED	CHARTED	MAP REF.																										
C.A.123 P42	81 K1/123 15.12.81				1:10 000 8444-121																										
			<p>PARISH WARNER County Stanley L.A. District Brisbane</p>																												
			<p><b>PLAN SPECIMEN</b></p>																												

# EXAMPLE SKETCH G

**NOTES**

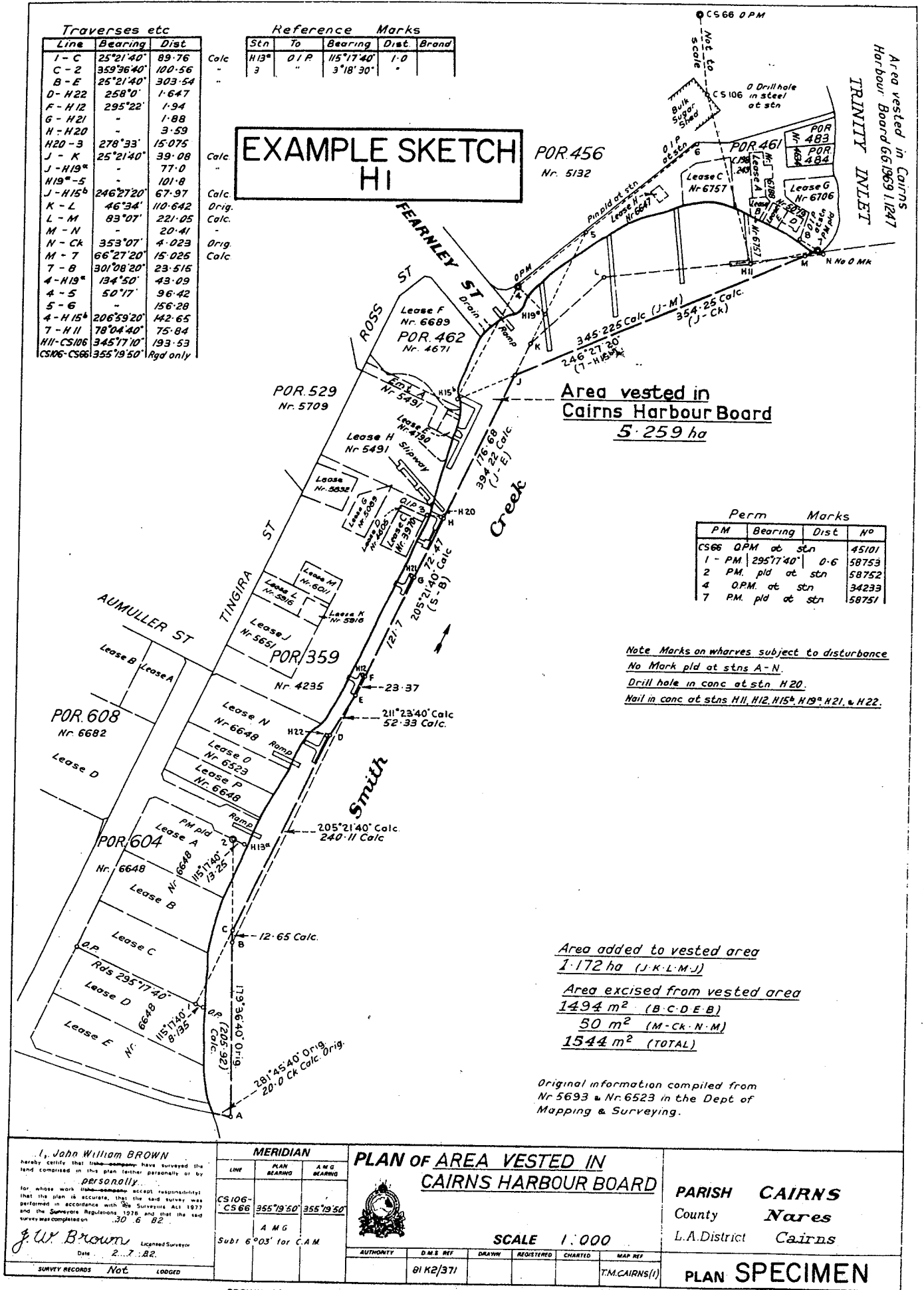
- (a) Size of sketch to be approx. 250 mm x 350 mm.
- (b) Approx. 25 mm margin required on lefthand side for binding purposes.



I, John William BROWN  
 hereby certify that I/the company have surveyed the  
 land comprised in this plan (either personally or by  
personally  
 for whose work I/the company accept responsibility),  
 that the plan is accurate, that the said survey was  
 performed in accordance with the Surveyors Act 1977  
 and the Surveyors Regulations 1978 and that the said  
 survey was completed on 30.6.82  
J.W. Brown Licensed Surveyor  
 Date: 2.7.82

**PLAN OF** Lease A in Por. 51  
 PREPARED BY  
 DEPARTMENT OF MAPPING  
 AND SURVEYING

**TOWN**  
PARISH DUARINGA  
**COUNTY** Kimberley  
 SCALE  
1:000 SPECIMEN



**Traverses etc**

Line	Bearing	Dist	Calc
I - C	25°21'40"	89.76	Calc
C - 2	359°36'40"	100.56	"
B - E	25°21'40"	303.54	"
D - H22	258°0'	1.647	"
F - H12	295°22'	1.94	"
G - H21	-	1.88	"
H - H20	-	3.59	"
H20 - 3	278°33'	15.075	"
J - K	25°21'40"	39.08	Calc
J - H19*	-	77.0	"
H19* - 5	-	101.8	"
J - H15 <sup>b</sup>	246°27'20"	67.97	Calc
K - L	46°34'	110.642	Orig.
L - M	83°07'	221.05	Calc.
M - N	-	20.41	"
N - Ck	353°07'	4.023	Orig.
M - 7	66°27'20"	15.025	Calc.
7 - 8	301°08'20"	23.516	"
4 - H19*	134°50'	43.09	"
4 - 5	50°17'	96.42	"
5 - 6	-	156.28	"
4 - H15 <sup>b</sup>	206°53'20"	142.65	"
7 - H11	78°04'40"	75.84	"
H11 - CS106	345°17'10"	193.53	"
CS106 - CS66	355°19'50"	Rgd only	"

**Reference Marks**

Stn	To	Bearing	Dist	Brand
H13*	O.P.	115°17'40"	1.0	"
3	"	3°18'30"	"	"

**EXAMPLE SKETCH HI**

POR 456  
Nr. 5132

**Area vested in Cairns Harbour Board**  
5.259 ha

**Perm Marks**

PM	Bearing	Dist	No
CS66	QPM at stn		45101
1 - PM	295°17'40"	0.6	58753
2 - PM	pld at stn		58752
4 - O.P.M.	at stn		34233
7 - P.M.	pld at stn		58751

*Note Marks on wharves subject to disturbance*  
No Mark pld at stns A-N.  
Drill hole in conc at stn H20.  
Nail in conc at stns H11, H12, H15<sup>b</sup>, H19\*, H21, & H22.

**Area added to vested area**  
1.172 ha (J-K-L-M-J)  
**Area excised from vested area**  
1494 m<sup>2</sup> (B-C-D-E-B)  
50 m<sup>2</sup> (M-Ck-N-M)  
1544 m<sup>2</sup> (TOTAL)

Original information compiled from Nr 5693 & Nr 6523 in the Dept of Mapping & Surveying.

I, John William BROWN hereby certify that the company have surveyed the land comprised in this plan personally or by personally...  
for whose work the company accept responsibility that the plan is accurate, that the said survey was performed in accordance with the Surveyors Act 1977 and the Surveyors Regulations 1978 and that the said survey was completed on 30.6.82  
J.W. Brown Licensed Surveyor  
Date 2.7.82

**MERIDIAN**

LINE	PLAN BEARING	A.M.G. BEARING
CS106 - CS66	355°19'50"	355°19'50"
A.M.G.		
Subt 6°03' for C.A.M.		

**PLAN OF AREA VESTED IN CAIRNS HARBOUR BOARD**

SCALE 1:000

AUTHORITY	D.M.S. REF.	DRAWN	REGISTERED	CHARTED	MAP REF.
91 K2/371					T.M. CAIRNS(I)

**PARISH CAIRNS**  
County Nares  
L.A. District Cairns

**PLAN SPECIMEN**

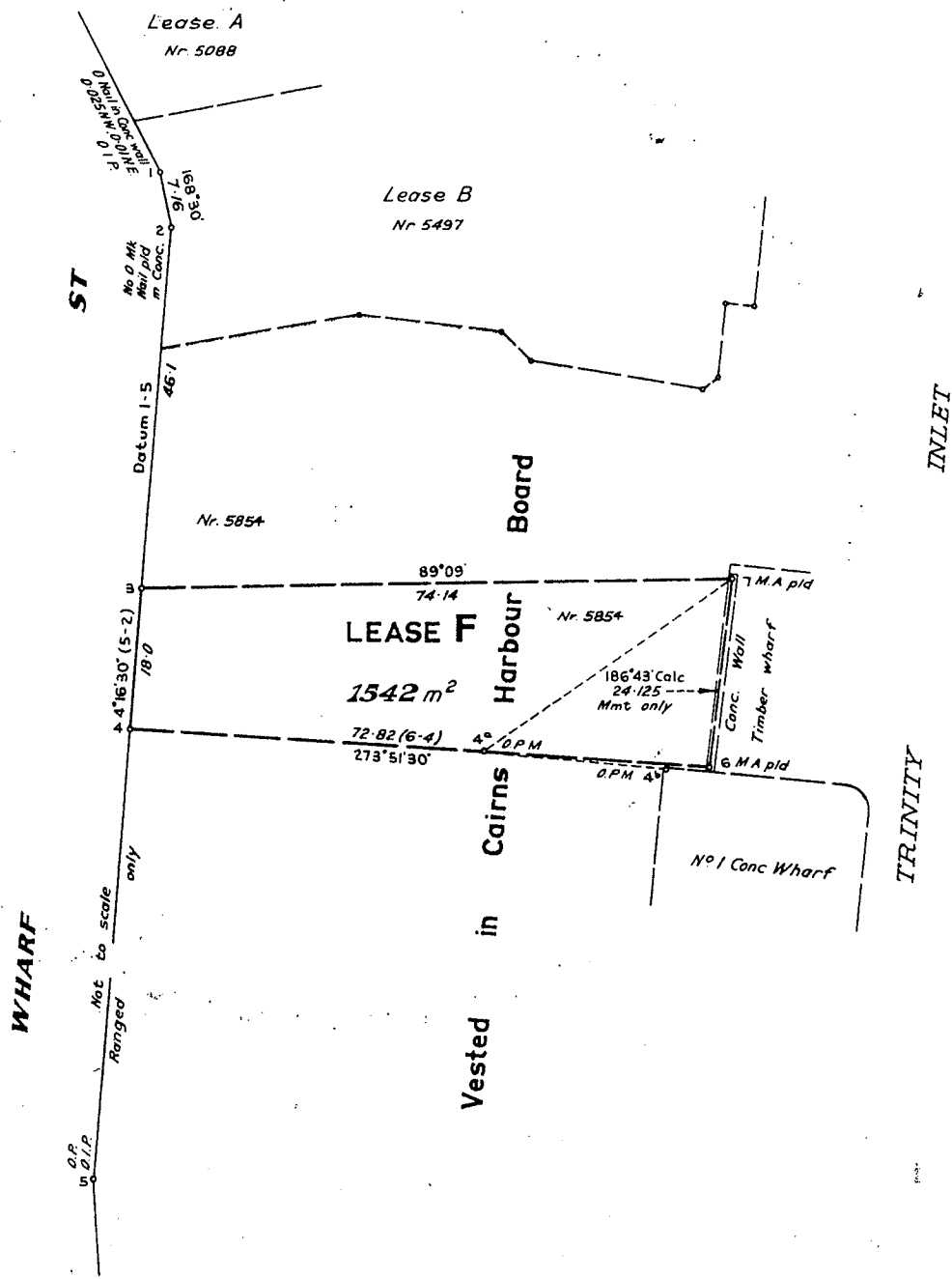
TRAVERSES ETC.		
LINE	BEARING	DIST.
4-4 <sup>a</sup>	93°49'	44.91
4-6	95°11'	22.905
4-7	93°56'	28.405
4-7	54°46'	38.15

Perm. Marks			
P.M.	Bearing	Dist	No
4 <sup>a</sup> O.P.M.	at stn	5/397	
4b	-	16253	

Peg pld at stns 3 & 4.  
 M.A. pld at stns 6 & 7.  
 (M.A. is masonry anchor in concrete.)

Reference Marks				
Stn	To	Bearing	Dist	Brand
1	O.I.P.	153°33'	1.008	
2	M.A.	266°23'	1.01	
3	-	269°09'	1.004	
4	-	213°51'30"	1.0	
5	O.I.P.	274°16'30"	-	


## EXAMPLE SKETCH H2



I, John William BROWN  
 hereby certify that I/this company have surveyed the  
 land comprised in this plan (either personally or by  
personally  
 for whose work I/this company accept responsibility,  
 that the plan is accurate, that the said survey was  
 performed in accordance with the Surveyors Act 1977  
 and the Surveyors Regulations, 1978 and that the said  
 survey was completed on 30.6.82  
J.W. Brown Licensed Surveyor  
 Date 2.7.82  
 SURVEY RECORDS Field No. 185 LOGGED

MERIDIAN		
LINE	PLAN BEARING	A.M.G. BEARING
Add	0°00' for C.A.M	
Vide	Nr 5854	

**PLAN OF Lease F in land vested in the Cairns Harbour Board**



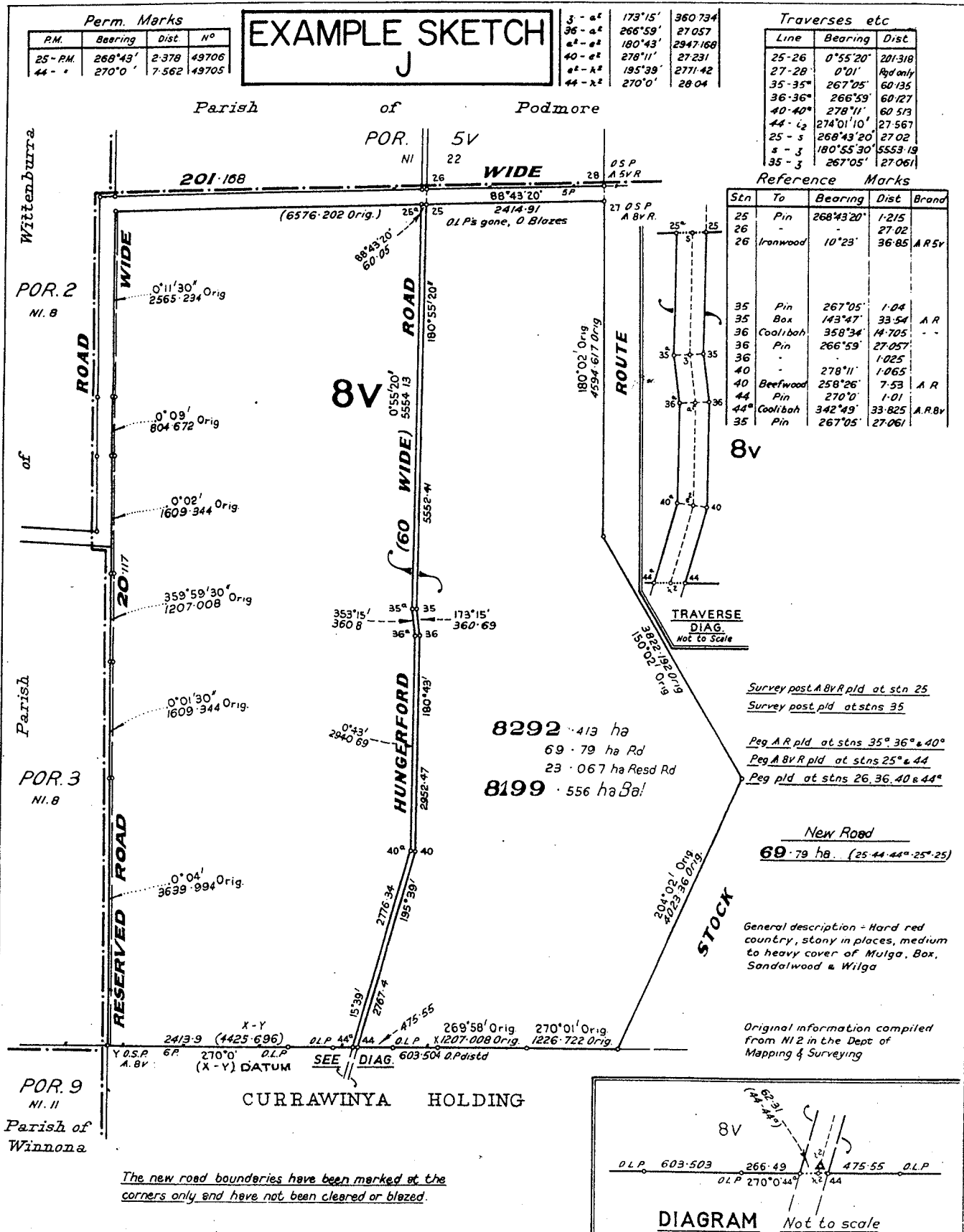
**SCALE 1:000**

AUTHORITY	D.M.S. REF.	DRAWN	REGISTERED	CHARTED	MAP REF.
					City Cairns Sh 3

**PARISH CAIRNS**  
 County *Nares*  
 L.A. District Cairns

**PLAN SPECIMEN**





Perm. Marks

P.M.	Bearing	Dist	N <sup>o</sup>
25 - P.M.	266°43'	2.378	49706
44 - "	270°0'	7.562	49705

**EXAMPLE SKETCH**

3 - a <sup>t</sup>	173°15'	360.734
36 - a <sup>t</sup>	266°59'	27.057
a <sup>t</sup> - a <sup>t</sup>	180°43'	2947.168
40 - e <sup>t</sup>	278°11'	27.231
e <sup>t</sup> - a <sup>t</sup>	195°39'	2771.42
44 - a <sup>t</sup>	270°0'	28.04

Traverses etc

Line	Bearing	Dist
25-26	0°55'20"	201.318
27-28	0°01'	Rd only
35-35 <sup>a</sup>	267°05'	60.135
36-36 <sup>a</sup>	266°59'	60.127
40-40 <sup>a</sup>	278°11'	60.513
44 - l <sub>2</sub>	274°01'10"	27.567
25 - s	268°43'20"	27.02
s - s	180°55'30"	5553.13
35 - s	267°05'	27.061

Reference Marks

Stn	To	Bearing	Dist	Brand
25	Pin	268°43'20"	1.215	
26	-	-	27.02	
26	Ironwood	10°23'	36.85	A R 5v
35	Pin	267°05'	1.04	
35	Box	143°47'	33.54	A R
36	Coolibah	358°34'	14.705	- -
36	Pin	266°59'	27.057	
36	-	-	1.025	
40	-	278°11'	1.065	
40	Beefwood	258°26'	7.53	A R
44	Pin	270°0'	1.01	
44	Coolibah	342°49'	33.825	A.R.8v
35	Pin	267°05'	27.061	

I, John William BROWN, hereby certify that I have personally surveyed the land comprised in this plan and that the plan is accurate, that the said survey was performed in accordance with the Surveyors Act 1927 and the Surveyors Regulations 1978 and that the said survey was completed on 30.7.82.

*J.W. Brown*, Licensed Surveyor  
Date 2.7.82

**PLAN OF Portion 8V**

LINE	PLAN BEARING	A.M.O. BEARING
44-43	15°39'	21°26'50"
"	"	C.A.M. BEARINGS
"	"	16°36'

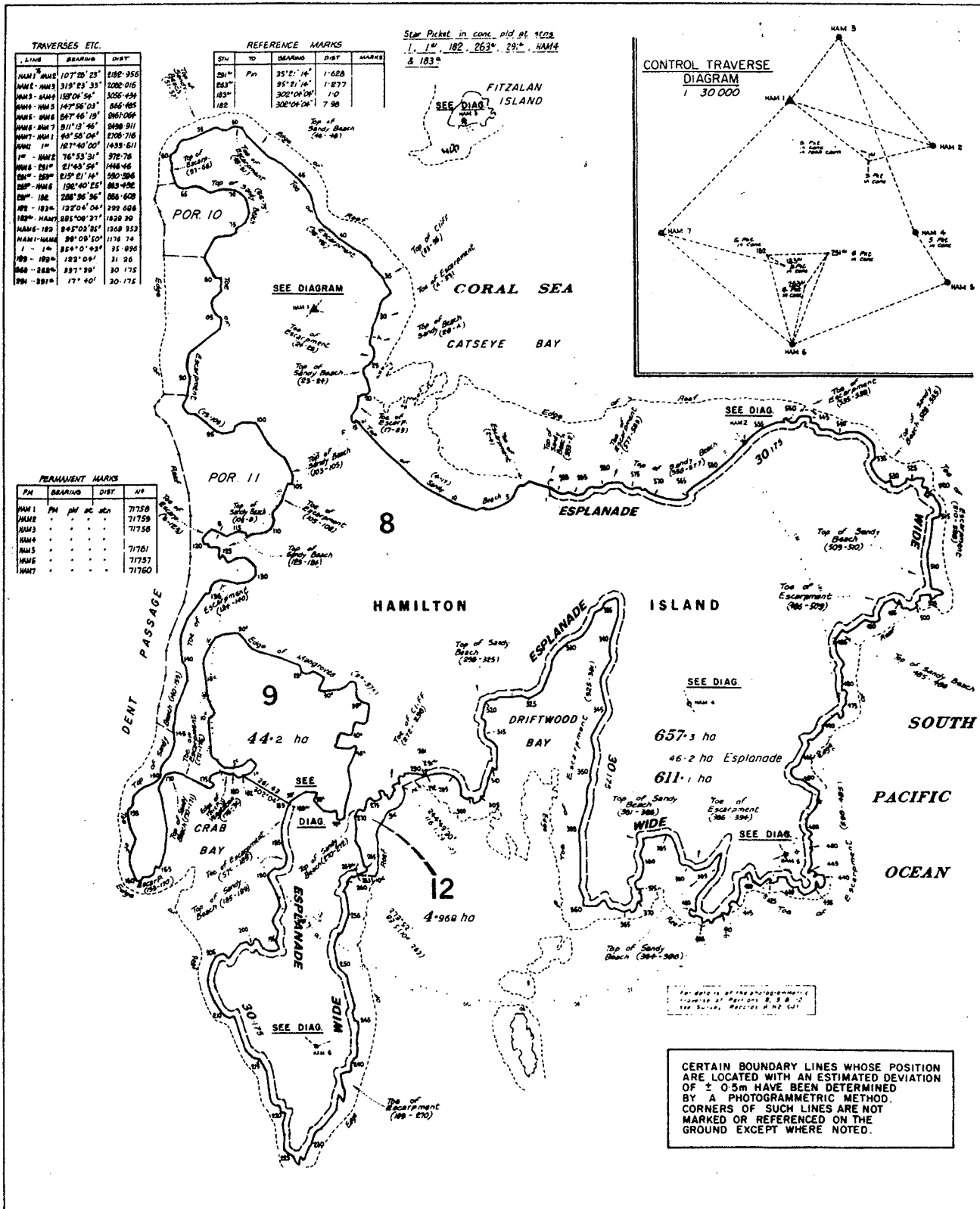
Add 0°57' for C.A.M.  
Add 5°48' for A.M.G zone 55

AUTHORITY	D.M.S. REF.	DRAWN	REGISTERED	CHARTED	MAP REF.
RC.37758	79 KI/17				1:250 000 SH.55-1

**PARISH KYEARING**  
County Numalla  
L.A. District Cunnamulla

**PLAN SPECIMEN**

# EXAMPLE SKETCH K



<p>I, <b>John William BROWN</b> hereby certify that I personally have surveyed the land comprised in this plan either personally or by <b>personally</b> for whose work I am responsible; that the plan is accurate; that the said survey was performed in accordance with the Surveyors Act 1977 and the Surveyors Regulations 1978 and that the said survey was completed on <b>30.6.82</b></p> <p><i>J.W. Brown</i> Licensed Surveyor Date <b>2.7.82</b></p> <p style="font-size: small;">SURVEY RECORDS Field Notes 10060</p>	<p><b>MERIDIAN</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>LINE</th> <th>PLAN BEARING</th> <th>A.M.G. BEARING</th> </tr> </thead> <tbody> <tr> <td>HAM 1</td> <td>253° 26' 09"</td> <td>253° 26' 09"</td> </tr> <tr> <td colspan="3" style="text-align: center;">A.M.G.</td> </tr> </tbody> </table>	LINE	PLAN BEARING	A.M.G. BEARING	HAM 1	253° 26' 09"	253° 26' 09"	A.M.G.			<p><b>PLAN OF Pors 8, 9 and 12.</b></p> <div style="text-align: center;"> <p><b>SCALE 1:1000</b></p> <table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>AUTHORITY</th> <th>D.M.S. REF.</th> <th>COORDIN.</th> <th>RECORDING</th> <th>CHARTS</th> <th>MAP REF.</th> </tr> </thead> <tbody> <tr> <td>SL 33094</td> <td>81K2/541</td> <td></td> <td></td> <td></td> <td>1 100 000 8637</td> </tr> </tbody> </table> </div>	AUTHORITY	D.M.S. REF.	COORDIN.	RECORDING	CHARTS	MAP REF.	SL 33094	81K2/541				1 100 000 8637	<p><b>PARISH WHITSUNDAY</b> County <b>Herbert</b> L.A. District <b>Bowen</b></p> <p style="font-size: large; font-weight: bold;">PLAN SPECIMEN</p>
	LINE	PLAN BEARING	A.M.G. BEARING																					
	HAM 1	253° 26' 09"	253° 26' 09"																					
A.M.G.																								
AUTHORITY	D.M.S. REF.	COORDIN.	RECORDING	CHARTS	MAP REF.																			
SL 33094	81K2/541				1 100 000 8637																			
CROWN COPYRIGHT RESERVED, DEPARTMENT OF MAPPING AND SURVEYING, QUEENSLAND.																								

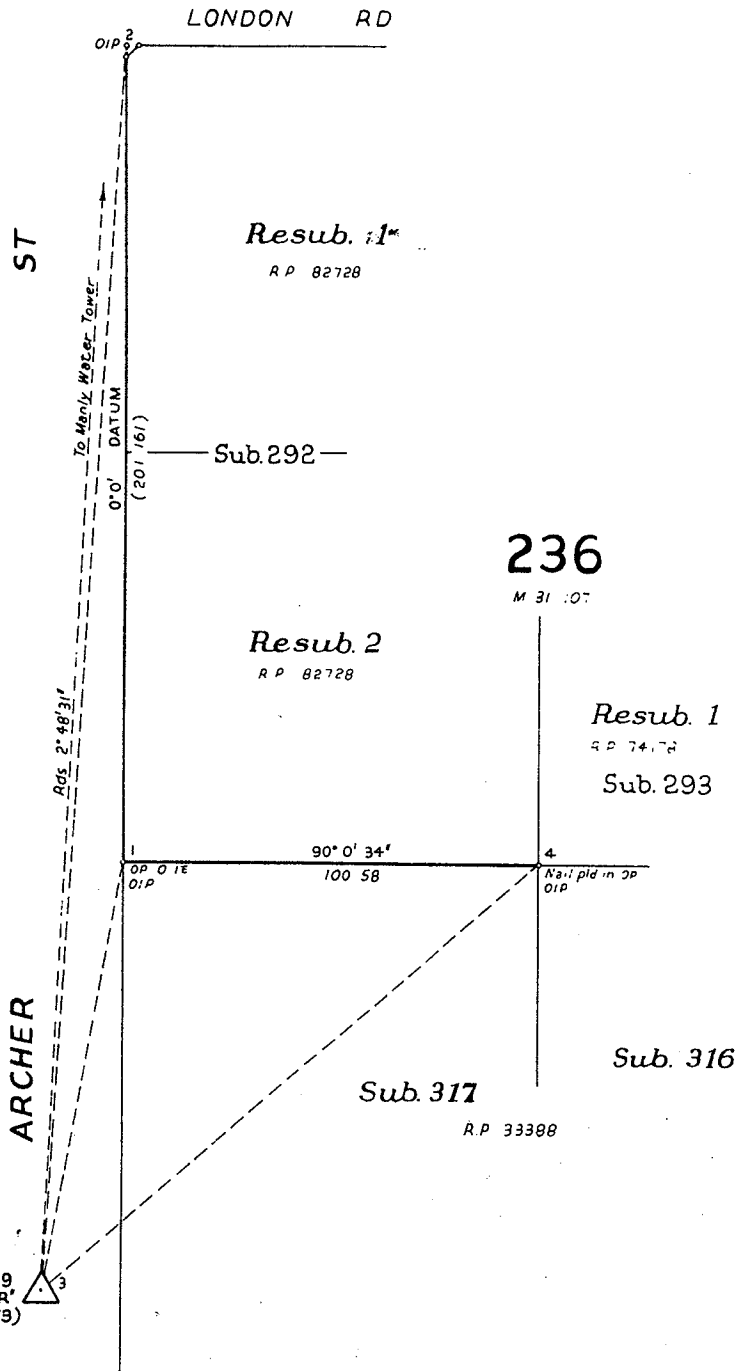
# EXAMPLE SKETCH L

**REFERENCE MARKS**

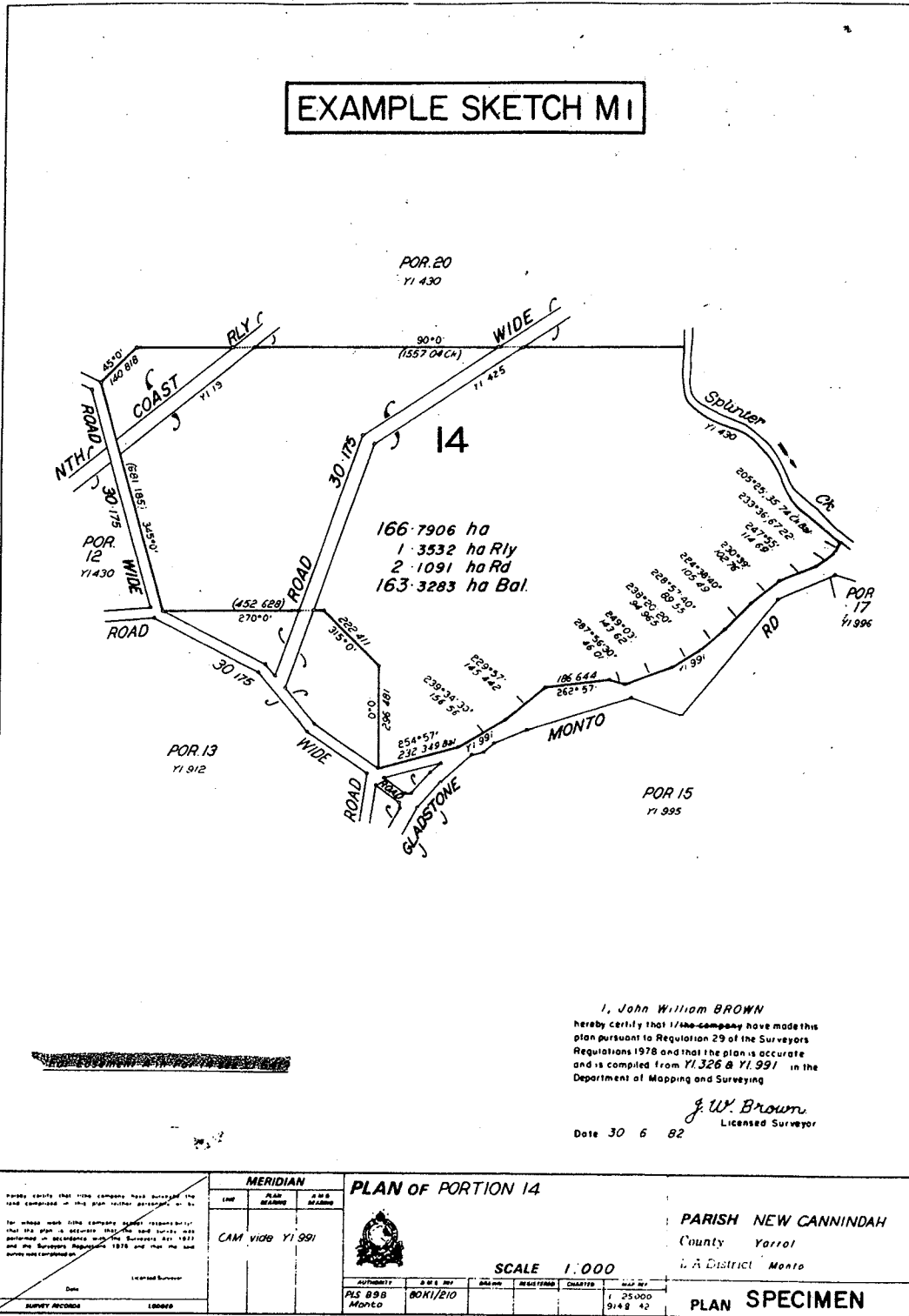
STN	TO	BEARING	DIST	BRAND
1	OIP C. face SFP	270° 0' 34"	0 503 0 14 E	
2	OIP	314° 59'	0 853	
4	OIP leang C. old RFP Cen. RFP	270° 0' 34" 0 34 E 0 17 E	0 604 0 515 0 17 E	

**TRAVERSES ETC**

LINE	BEARING	DIST
1-3	190° 26' 20"	106 975
2-3	183° 37' 10"	306 978
3-4	48° 45' 18"	159 55



<p><i>J. John William BROWN</i> hereby certify that I have personally surveyed the land comprised in this plan (either personally or by <i>personally</i>) for whose work I <del>have</del> accept responsibility; that the plan is accurate; that the said survey was performed in accordance with the Surveyors Act 1937 and the Surveyors Regulations 1978 and that the said survey was completed on <i>30.11.82</i></p> <p><i>J.W. Brown</i> Licensed Surveyor Date: <i>2.11.82</i></p> <p><small>SURVEY RECORDS Field notes locked on file</small></p>	<b>MERIDIAN</b>	<p><b>PLAN OF</b> Cadastral Connection to <b>QGS 479 (PM 57773)</b> <b>"ARCHER" from Por. 236</b></p> <p style="text-align: center;"> <b>SCALE 1:000</b></p>	<p><b>PARISH TINGALPA</b> County <i>Stanley</i> L.A. District <i>Brisbane</i></p>																
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>LINE</th> <th>PLAN BEARING</th> <th>A.M.G. BEARING</th> </tr> </thead> <tbody> <tr> <td colspan="3" style="text-align: center;">Meridian of R.P. 82728</td> </tr> </tbody> </table>			LINE	PLAN BEARING	A.M.G. BEARING	Meridian of R.P. 82728			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>AUTHORITY</th> <th>D.A.E. REF</th> <th>DRAWN</th> <th>REGISTERED</th> <th>CHARTED</th> <th>MAP REF</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">K 18/34</td> <td></td> <td></td> <td></td> <td style="text-align: center;">C.C. 134</td> </tr> </tbody> </table>	AUTHORITY	D.A.E. REF	DRAWN	REGISTERED	CHARTED	MAP REF		K 18/34	
LINE	PLAN BEARING	A.M.G. BEARING																	
Meridian of R.P. 82728																			
AUTHORITY	D.A.E. REF	DRAWN	REGISTERED	CHARTED	MAP REF														
	K 18/34				C.C. 134														
<b>PLAN SPECIMEN</b>																			



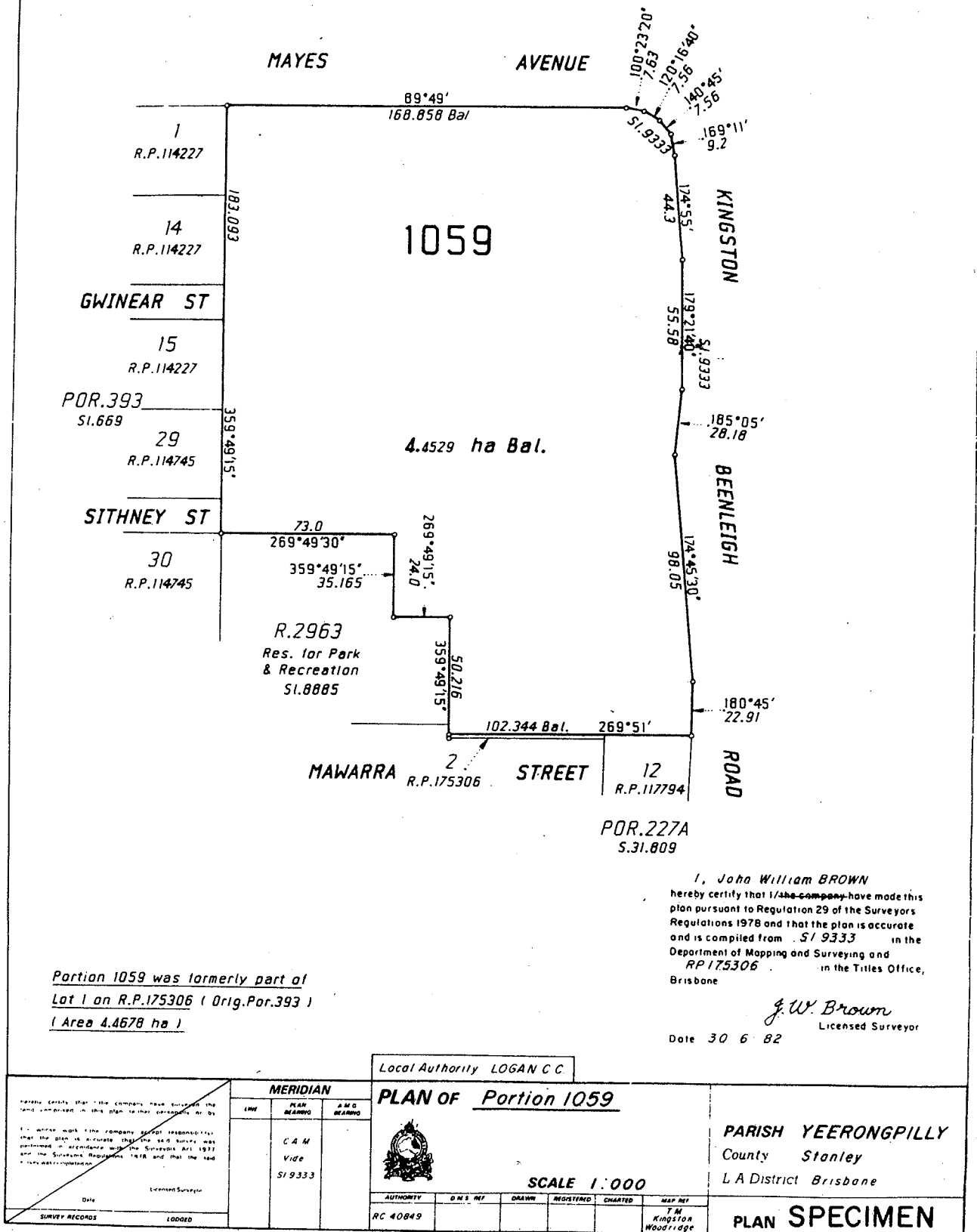
**NOTES**

- (a) Compiled Plans can be drafted on the standard DMS plan form and in conformity with the "Detailed Drafting Standards" segment of this manual.
- (b) Compiled Plans are to be endorsed with the Form 13 - Part B certificate of the Surveyors Regulations 1978. Source of the information utilised in the compilation can be added to the certificate as shown on this sketch.

**STATEMENTS CONCERNING EASEMENTS**

- (d) Dimensions are not required to be shown on internal roads or boundary traverses etc. Original Plan Cat. Numbers suitably shown suffices.

# EXAMPLE SKETCH M2 COMPUTERISED DRAFTING



Portion 1059 was formerly part of  
Lot 1 on R.P.175306 ( Orig.Par.393 )  
( Area 4.4678 ha )

I, **Joha William BROWN**  
hereby certify that I/~~the company~~ have made this  
plan pursuant to Regulation 29 of the Surveyors  
Regulations 1978 and that the plan is accurate  
and is compiled from S1 9333 in the  
Department of Mapping and Surveying and  
RP175306 in the Titles Office,  
Brisbane

*J. W. Brown*  
Licensed Surveyor

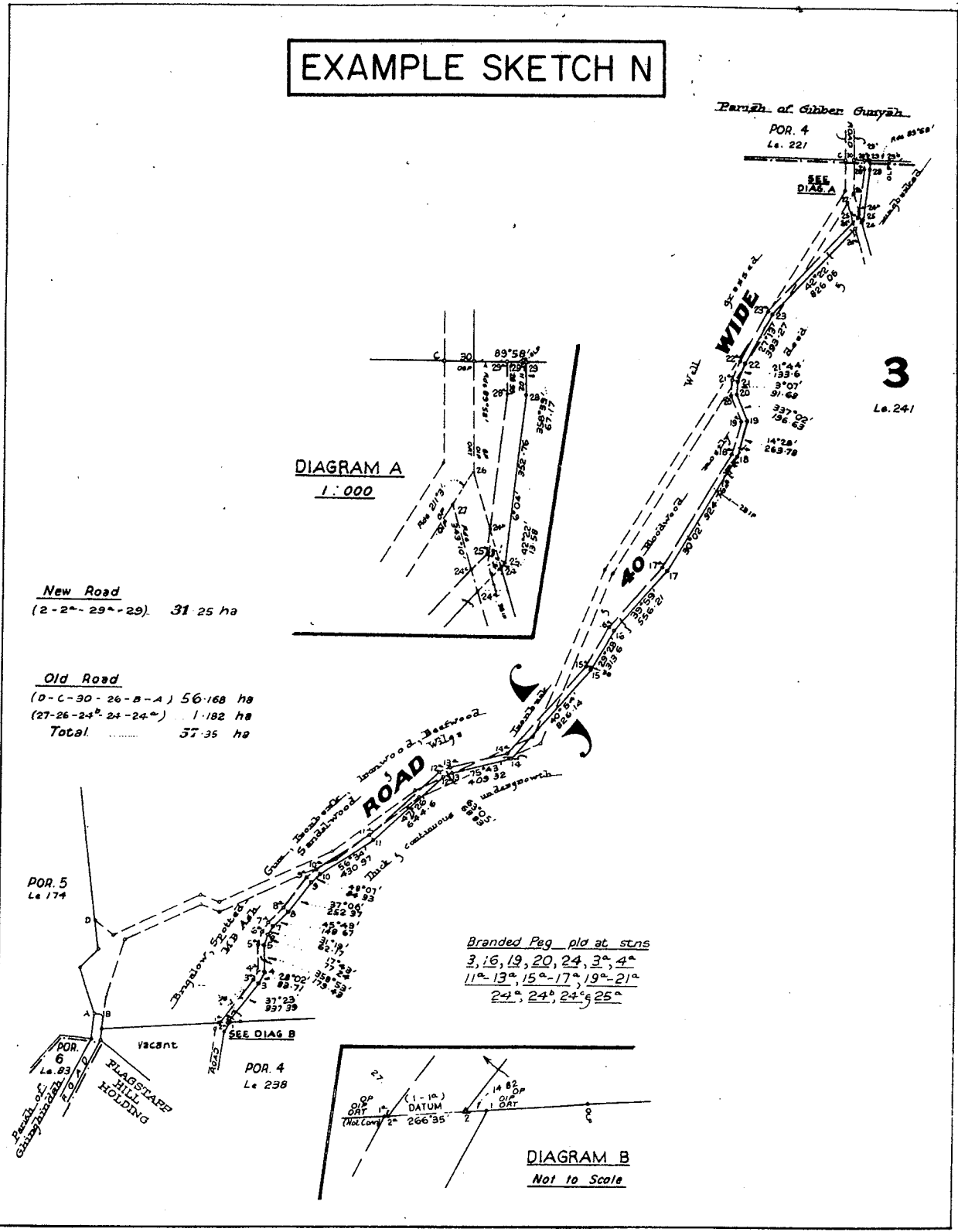
Date 30 6 82

**NOTE**

Where freehold Lots (for amendment) are surrendered to the Crown, the following endorsement is required to be shown on the face of the plan.

eg. Portion 1059 was formerly part of Lot 1 on RP175306 (Orig.Par.393)  
(Area 4.4678 ha)

# EXAMPLE SKETCH N



New Road  
(2-2<sup>a</sup>-29<sup>a</sup>-29) 31.25 ha

Old Road  
(0-C-30-26-B-A) 56.168 ha  
(27-26-24<sup>a</sup>-24-24<sup>a</sup>) 1.182 ha  
Total ..... 57.35 ha

Branded Peg pld at stns  
3, 16, 19, 20, 24, 3<sup>a</sup>, 4<sup>a</sup>  
11<sup>a</sup>-13<sup>a</sup>, 15<sup>a</sup>-17<sup>a</sup>, 19<sup>a</sup>-21<sup>a</sup>  
24<sup>a</sup>, 24<sup>b</sup>, 24<sup>c</sup>, 25<sup>a</sup>

Plan Title... Road in Portion 3 or, Portion 3 (if in surveyed state and practicable to complete the block on the survey plan)

**NOTES**

- (a) Statement on face of plan to be "Old Road" and "New Road".
- (b) Survey and calculations of internal road intersections and severance areas is not necessary unless stipulated in DMS advices.
- (c) Regulation 29 plan to be drafted as necessary or advantageous to do for the amended Portion.

REQUIREMENTS  
OF THE  
DEPARTMENT  
OF MINES

ANY MATTERS REQUIRING FURTHER EXPLANATION SHOULD BE DIRECTED  
TO THE CHIEF SURVEYOR.

**ACCESS TO MINING LEASES**

See 'RIGHT OF ACCESS' - Page 89 and 'RIGHT OF WAY' - Page 90.

**ADDITIONS TO HOMESTEADS**

See 'MINER'S HOMESTEAD LEASE (c)' - Page 80.

**ADDITIONS TO MINING LEASES**

See 'MINING LEASE (g)' - Page 87

**ALTERATIONS AND ADDITIONS**

- (a) Before plan is "passed" any amendments necessary will be done by "erasure" as required. This will entail return of plan to surveyor or drafting contractor as required.
- (b) Once a plan is "passed" and charted on office map, any alterations will be made in red by "crossing out" etc. In these instances the plan will be endorsed (in red) with either of the following amendment certificates.

eg. Amendments to.....vide.....

.....  
*Supervising Examiner*  
*(Date)*

Amendments in red by me on.....(Date).....

.....  
*Licensed Surveyor*

**AMALGAMATION OF HOMESTEADS**

See 'MINER'S HOMESTEAD LEASE (e)' - Page 82.

**APPLICATION POSTS**

See 'MINING LEASE (c)' - Page 86.

**AREAS**

Imperial - Metric Balance Area

When the original block is in imperial units, the imperial plan dimensions should be converted to metric, an area calculated and rounded off to four significant figures. The surveyed metric area of the subdivision (rounded off) is then subtracted from it. The result when rounded off gives the metric balance.

*SEE AMENDMENT*

**AREAS TO BE SURRENDERED FOR ROAD**

See 'MINER'S HOMESTEAD LEASE (g)' - Page 83.



## AUTHORITIES TO PROSPECT (A's to P)

- (a) On plans showing a point, line or area of an A to P, the sub-block corners of which are described by geographic co-ordinates, the datum of the co-ordinates should be stated on the face of the plan as follows -

eg.

Geographic Co-ordinates on

Australian Geodetic Datum.

- (b) All bearings should be referred to the True Meridian.
- (c) When bearings are given, both forward and reverse azimuths must be shown where applicable.
- (d) If geodetic points are not available in the district at the time of survey, and an A to P corner is determined by astronomical observations, a certificate signed by the holder and all adjoining A to P holders, agreeing to accept the boundaries as located, must appear on the plan.
- (e) Plans of A to P surveys should show connections to cadastral boundaries and comparison of meridians where practicable.

## BACKGROUND TENURES

See 'OTHER TENURES' - Page 88.

## CLAIMS AND AREAS

- (a) Claims and Areas as defined by the Mining Act are registered by the Mining Warden and generally are not surveyed. Where surveyed, show as for Mining Lease requirements.
- (b) See 'RESTRICTED MINING PURPOSES CLAIMS' - Page 89, 'SPECIAL GEM CLAIMS' - Page 91, and 'SPECIFIC AREAS' - Page 91.
- (c) For freeholding Residence Areas and Business Areas - See 'FREEHOLDING OF MINING TITLES' - Page 78.

## COAL MINING LEASE

See 'MINING LEASE' - Page 85.

## COMPILED PLANS (Plans without Field Survey)

- (a) Prior approval of the Chief Surveyor must be obtained for all compiled plans.
- (b) Information may be compiled from examined MINES DEPT., DMS and Titles Office plans only. Dimensions are not qualified by the word "Orig." Stations Nos. or letters are shown only when required to describe specific actions (ie. Additions etc.)
- (c) If a compiled surround closes within the allowable limits of error a calculated area may be used. If not, a compiled area is to be used and labeled where applicable "Bal."

## COMPILED PLANS contd

(d) Compiled Plans involving MHPL's.

Compiled Plans involving MHPL's must bear the following statement:-

eg. Copied and compiled from Plan No.....  
in the Mines Department, Brisbane.

Substitute or add "Department of Mapping and Surveying" or "Titles Office" where applicable.

(e) Compiled Plans involving ML's.

(i) Compiled plans involving <sup>new</sup> ML's must bear the following certificate:-

eg. I certify that this plan has been correctly copied and compiled  
from Plan No..... in the Mines Department, Brisbane,  
and that the Datum Post was found by inspection to agree  
with the Lease Application as shown hereon.

.....  
Licensed Surveyor

Substitute or add "Department of Mapping and Surveying" or "Titles Office" where applicable.

(ii) Compiled plans of ML's must show "Datum Post" on the face of the plan, with a connection from the appropriate lease corner tabulated as per the reference shown on the application. An accurately measured connection is not required.

(g) ~~FOR private plans the "Surveyed By" box should be amended to "COMPILED BY".~~

(h) Plans compiled by the Department should be labeled "Office Compilation" in the "Surveyed By" box.

(i) The title of the plan is the same as if it were a survey.

## CONDITIONAL SURRENDER

See 'MINER'S HOMESTEAD LEASE' - Page 79, and 'MINING LEASE' - Page 85.

## DATUM POST

See 'MINING LEASE (d)' - Page 86.

## DEPTH RESTRICTIONS

See 'MINING LEASE (e)' - Page 86.

## DESIGN PLANS

Plan requirements for subdivisional designs of Mines Department Estates for auction as MHPL's are similar to those for survey plans, except that the unsurveyed design boundaries are drawn in full black lines, circles and station numbers at corners are omitted, and the title should be headed:-

eg. DESIGN OF.....

**EASEMENTS**

For easement cases not covered in the general section, enquiries on procedures should be made from the Chief Surveyor.

**EXCHANGES BETWEEN HOMESTEADS**

See 'MINER'S HOMESTEAD LEASE (d)' - Page 81.

**EXCISIONS FROM HOMESTEADS**

See 'MINER'S HOMESTEAD LEASE (c)' - Page 80.

**FIELD NOTES**

Complete statement on plan form as follows:

eg. (a) 

.....NO.....FIELD NOTES LODGED.....
-------------------------------------

eg. (b) 

.....FIELD NOTES LODGED.....YES.....
--------------------------------------

**FREEHOLDING OF MINING TITLES**

(a) Conversion to Deed of Grant.

(i) Land to be described with a real property description as allocated by the Chief Surveyor upon request of operating surveyor.

(ii) Plan Title: eg. *Por. 123* cancelling MHL **4567** on M.P.30678

(b) Conversion to Mining Titles Freeholding Lease (MTFL).

(i) As per (a)(i) above.

(ii) Plan Title: eg. *Por. 246* cancelling MHPL **7561** on M.P.30987

(iii) Tenure Table: eg.

TENURE	
RP. Description	M.T.F.L.
POR.246	

**GOLD FIELD HOMESTEAD (G.F.H.)**

Now renamed Miner's Homestead Lease (MHL)

**HOMESTEAD LEASE**

See 'MINER'S HOMESTEAD LEASE' - Page 79.

**IDENTIFICATION SURVEY**

(a) Plan requirements for boundary identification surveys of all or part of any existing mining tenement are the same as the plan requirements for a survey of that tenement; except that the plan title should be headed:-

eg. *IDENTIFICATION SURVEY OF.....*

(b) Identification Surveys to be drawn on MINES DEPT. plan forms.

## LEASES

See 'MINER'S HOMESTEAD LEASE' - Page 79, 'MINING LEASE' - Page 85, 'SPECIAL PERPETUAL MINING PURPOSES LEASE' - Page 91, 'SUBLEASE' - Page 92 and 'MINING TITLES FREEHOLDING LEASE' - Page 88.

## LOCALITY

The "Locality" Box on the MINES DEPT. plan form should state the name of the Suburb or District, or describe the situation of the survey in relation to a permanent feature shown on a MINES DEPT. Approved Map.

## LOTS

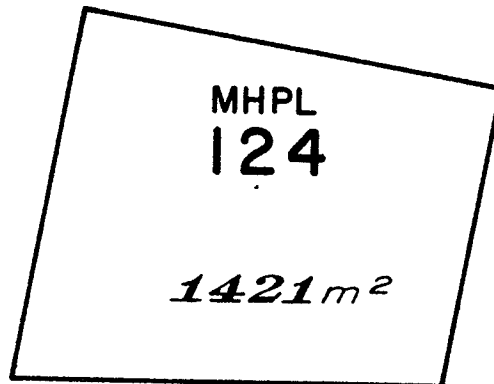
See 'MINER'S HOMESTEAD LEASE (f)' - Page 82.

## MINER'S HOMESTEAD LEASE (M.H.L.) AND MINER'S HOMESTEAD PERPETUAL LEASE (M.H.P.L.)

- (a) New MHPL over Undescribed Crown Land.

When a new MHPL occupies undescribed Crown land the lease number becomes the description of the block and is shown on the face and in the title.

eg.

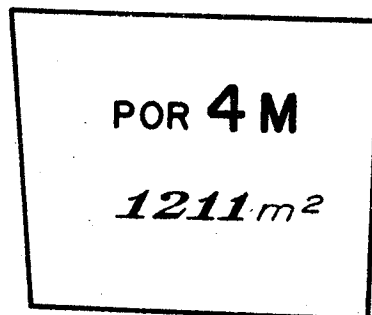


Title .... *MHPL 124*

- (b) New MHPL over Described Crown Land (Allot. of a Section or Portion).

- (i) When a new MHPL occupies the whole of an existing portion or allotment of a section show the original description on the face and in the title. Show the MHPL number in a tenure table only.

eg.

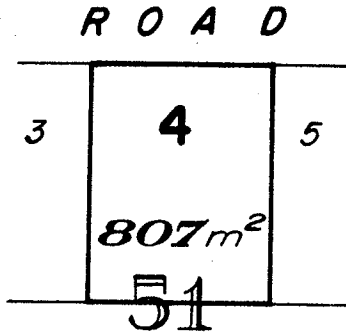


TENURE	
PORTION	M.H.P.L.
4 M	5771

Title ..... *POR 4M*

**MINER'S HOMESTEAD LEASE contd**

eg.

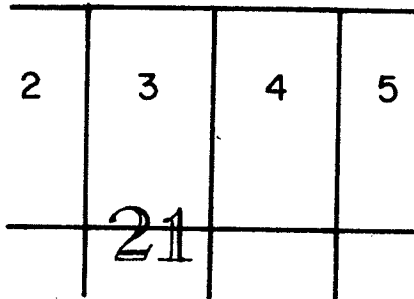


TENURE	
SECTION 51	
ALLOT	M.H.P.L.
4	6825

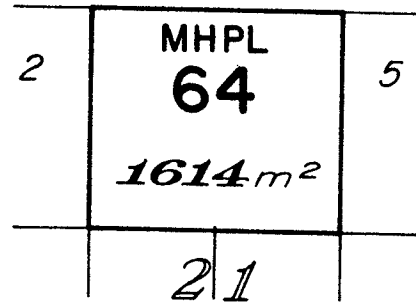
Title ... *Allot. 4 of Sec. 51*

- (ii) When a new MHPL occupies other than exactly one existing portion or allotment of a section delete all reference to the portion(s) or allotment(s) affected.

eg. ORIGINAL DESCRIPTION



NEW DESCRIPTION

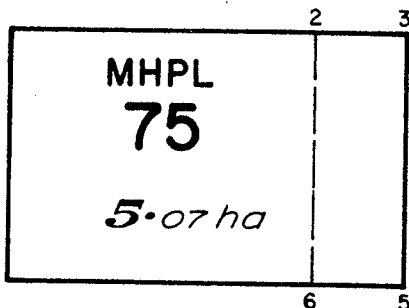


Title ..... *MHPL 64*

(c) Additions to and Excisions from Homesteads.

- (i) The plan should show a complete surround of the affected block in its new format together with complete dimensions of each severance being dealt with. Cancelled boundaries are to be utilized where necessary. A statement describing each severance being dealt with is to be shown on the face of the plan. The title describes the final action only.

eg.



AREA TO BE ADDED TO MHPL 75

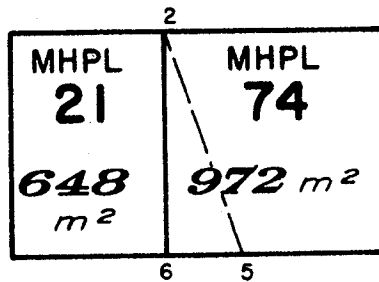
(2-3-5-6)..... 1.02 ha

Title ..... *MHPL 75*

# MINER'S HOMESTEAD LEASE contd

- (ii) The general term "excision" should be used only in conjunction with an addition. If the excision is the only action it should be called either a surrender or a resumption, which are particular types of excisions.
- (iii) An excision of an area from one Homestead and its addition to an adjoining Homestead may take place as one action.

eg.



AREA TO BE EXCISED FROM  
MHPL 21 & ADDED TO MHPL 74.

(2-5-6).....162 m²

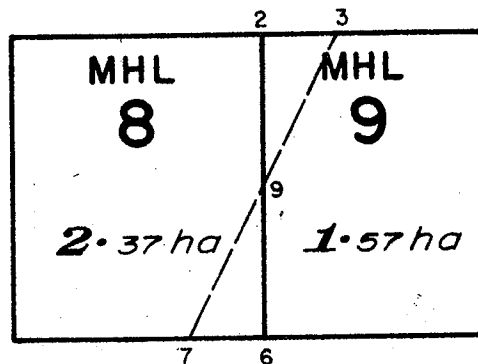
Title .... *MHPL's 21 & 74*

- (iv) When two or more areas are being "swapped" between adjoining Homesteads the action of excision and addition is known as an exchange (See (d) below).
- (v) In simple cases of an addition and excision with a subsequent subdivision, both actions may be shown on the one plan form. Separate diagrams and complete dimensions must be shown for each action. The areas to be excised and added must be clearly described by statement on the plan. The Title of the plan describes the final action only. Cancelled boundaries are shown on the diagram of the first action only.
- (vi) See 'UNDESCRIBED BALANCE' - Page 93.

(d) Exchanges between Homesteads.

- (i) Two Homestead Leases cannot transfer small areas by subdivision. An exchange has to be effected. Complete dimensions of all blocks (old and new) and exchange areas are to be shown on the plan.

eg.



AREA TO BE EXCISED FROM  
MHL 9 & ADDED TO MHL 8.

(6-7-9).....775 m²

AREA TO BE EXCISED FROM  
MHL 8 & ADDED TO MHL 9.

(2-3-9).....775 m²

Title ..... *MHL's 8 & 9*

- (ii) In simple cases, an exchange and subsequent subdivision may be shown on one plan. Separate diagrams and complete dimensions must be shown for each action. The exchange action must be clearly described by statement on the plan. The title of the plan describes the final action only. Cancelled boundaries are shown on the diagram of the first action only.

## MINER'S HOMESTEAD LEASE contd

### (e) Amalgamation of Homesteads.

There are two common methods of amalgamating Homestead Leases:-

- (i) By conditional surrender of all but one of the Homestead Leases and addition of the surrendered areas to the remaining Lease.

For the purposes of the plan the amalgamation is then treated as a single addition to the remaining Homestead Lease (See (c) above).

Only the cancelled boundaries of the unsurrendered lease are shown.

- (ii) By conditional surrender of all the Homestead Leases, followed by an application for one new MHPL covering the whole area. Treat as a new MHPL. Cancelled boundaries are not shown.

### (f) Subdivision of a Homestead Lease.

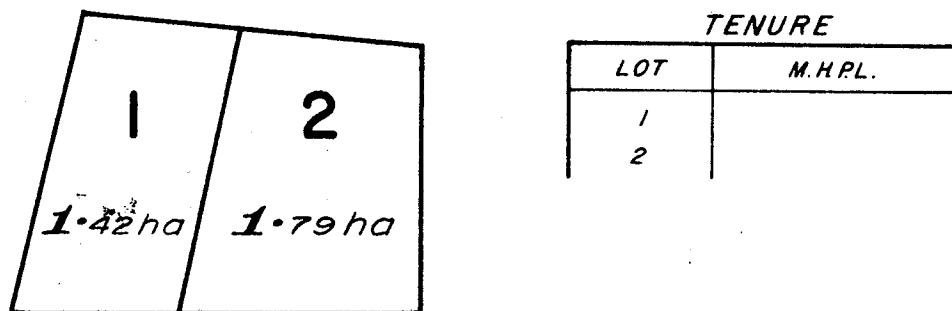
- (i) The original Homestead is cancelled, and its description is not shown on the face of the plan.

Each subdivisional block is described by a Lot number.

Lot numbers should commence from 1 on each plan, even if more than one Homestead is involved. On large subdivisions which require more than one sheet, the Lot numbers should commence from 1 on the first sheet and be continuous through the remainder.

A tenure table must be shown on all plans of Homestead subdivision.

eg.



Title .... Lots **1 & 2** cancelling MHPL **1372**  
on M.P.30176.

New leases issued following a subdivision are the same type as the lease being subdivided. Prepare tenure table accordingly.

- (ii) Where more than one Homestead is being subdivided on the one plan and any one Lot is not wholly contained within one Homestead, an exchange must first be effected (see (d) above.).
- (iii) There is no longer any provision allowing for part of a subdivided Homestead to remain as an undescribed balance. Any balance area must be completely dimensioned. It may be compiled from original dimensions if necessary.

**MINER'S HOMESTEAD LEASE contd**

- (iv) Subdivisions involving more than one Homestead, which would involve complicated exchanges, may be simplified by effecting an amalgamation prior to subdivision, thus dispensing with the need for numerous additions and excisions.
- (v) Where an amending action and subsequent subdivision are shown on the one plan form, the cancelling clause in the title should make no reference to a Mines Plan, as the subject plan is also the plan of the Homestead being subdivided.
- (vi) When new roads are created in conjunction with the subdivision, a statement should be shown on the face of the plan as follows:-

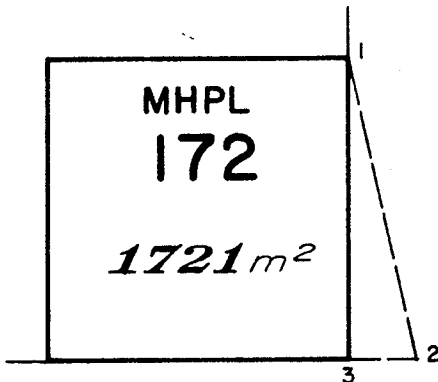
eg. *AREA OF NEW ROAD (1-2-3-1).....15 m<sup>2</sup>*

(vii) See SPECIMEN.

(g) Areas to be Surrendered for Roads etc.

- (i) Areas to be surrendered from Homestead Leases (MHL's and MHPL's) for road or other purposes are to be shown on plans (stating the purpose) as follows:-

eg.



AREA TO BE SURRENDERED FOR ROAD PURPOSES FROM MHPL 172.

(1-2-3).....215 m<sup>2</sup>

Title ..... MHPL 172

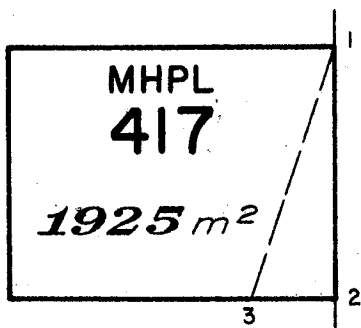
- (ii) For surrender in conjunction with a subdivision see 'MINER'S HOMESTEAD LEASE (f)(vi)' - Page 83.

(iii) See 'UNDESCRIBED BALANCE' - Page 93.

(h) Roads to be Closed and Added to.

- (i) Road closure and addition to an existing Homestead Lease may take place as one action. Show as follows:-

eg.



AREA OF ROAD TO BE CLOSED AND ADDED TO MHPL 417.

(1-2-3).....176 m<sup>2</sup>

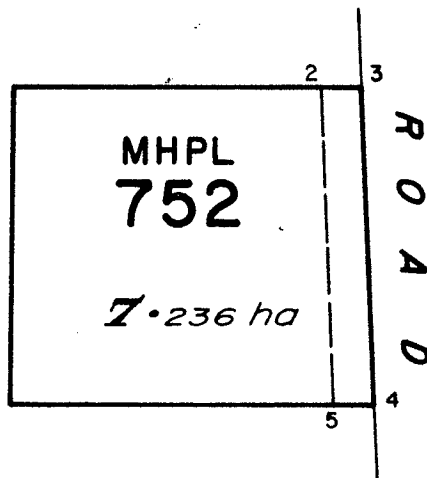
Title ..... MHPL 417



**MINER'S HOMESTEAD LEASE contd**

- (ii) When the above action is immediately followed by a subdivision of the enlarged Homestead, both actions may take place on the one plan form (in simple cases) but separate diagrams and complete dimensions must be shown for each action. The area of road to be closed must be endorsed on the plan as above. Cancelled boundaries are shown on the diagram of the first action only.
- (iii) Road closure and inclusion in a new Homestead Lease may be shown on the one plan. It is not necessary to refer to the road closure in the plan title, but the area of road to be closed must be endorsed on the plan. Show as follows:-

eg.



AREA OF ROAD TO BE CLOSED &  
ADDED TO MHPL ...  
(2-3-4-5).....9045m<sup>2</sup>

Title ..... **MHPL 752**

- (i) Resumptions.  
Treat in a similar manner to 'SURRENDERS' - Page 92.
- (j) Freeholding of Homesteads.  
See 'FREEHOLDING OF MINING TITLES' - Page 78.
- (k) See 'ROADS IN HOMESTEADS' - Page 90.

**MINES DEPARTMENT CO-ORDINATION AREAS**

Additional requirements for plans of all surveys in designated "Mines Department Co-Ordination Areas" will be made available from the Chief Surveyor on request.

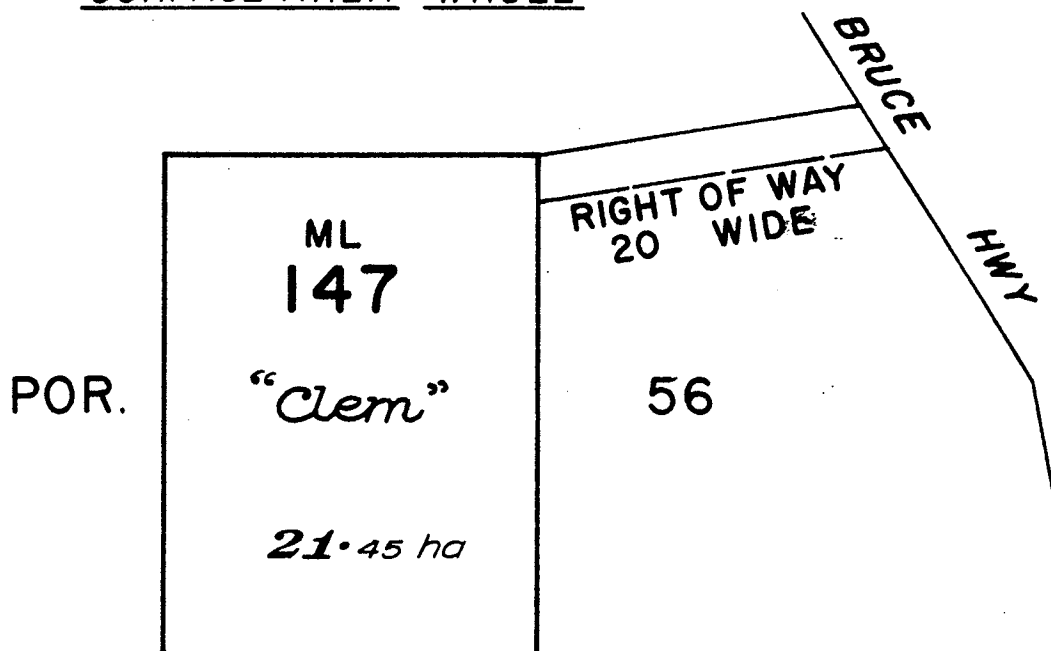
## MINING LEASE

(a) New Mining Lease.

- (i) A plan of a new Mining Lease must show the external boundaries of the lease, the area held under Surface Rights, any background tenures, and the access to the lease when applicable.

eg.

SURFACE AREA :- WHOLE



Title ..... ML **147** and RIGHT OF WAY

- (ii) For details regarding Surface Area see (b) below  
 (iii) For details regarding Background Tenures see 'OTHER TENURES' - Page 88.  
 (iv) For details regarding Access see 'RIGHT OF ACCESS' - Page 89 and 'RIGHT OF WAY' - Page 90.

(b) Surface Areas.

- (i) The Surface Area (whether whole, part, or nil) is shown on the plan by statement.

eg.

SURFACE AREA :- WHOLE

or SURFACE AREA :- 25.75 ha

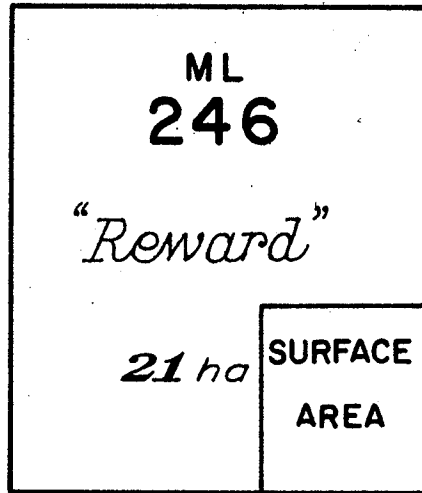
or SURFACE AREA :- NIL

- (ii) When more than one Surface Area is contained within the one lease, describe as Surface Area No.1 etc. A calculated area is shown for each and the area of the total surface by statement as shown above.

## MINING LEASE contd

(iii) Shown on plan as follows:-

eg.

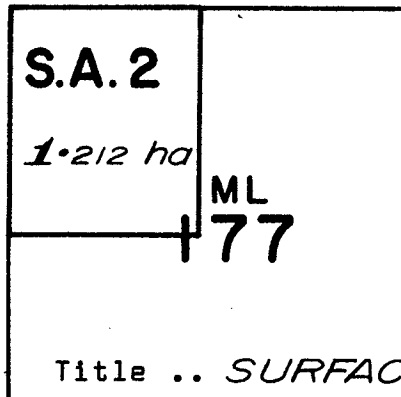


SURFACE AREA - 4.712 ha

Title ..... **ML 246**

(iv) Surface Area is referred to in title when the plan is of the Surface Area only.

eg.



Title .. **SURFACE AREA No. 2 OF ML 177**

(c) Application Posts.

Show connections to Application Posts either on the face of the plan or tabulate.

(d) Datum Post.

(i) All plans of Mining Leases, surveyed or compiled, must describe the position of the applicant's Datum Post and the marking thereon either on the face of the plan or tabulate.

(ii) See 'COMPILED PLANS (e)' - Page 77.

(e) Depth Restrictions

(i) On plans of Mining Leases which are restricted in depth the plan should be endorsed with a suitable statement.

eg. C.M.L. 697 exists only below the depth of 15.24 m beneath the surface, except for Por. 83 where it exists on and beneath the surface.

## MINING LEASE contd

## (f) Name of Lease.

The name of the Mining Lease is shown within the subject block as illustrated by diagrams in (a) and (b) above.

## (g) Additions to Mining Leases.

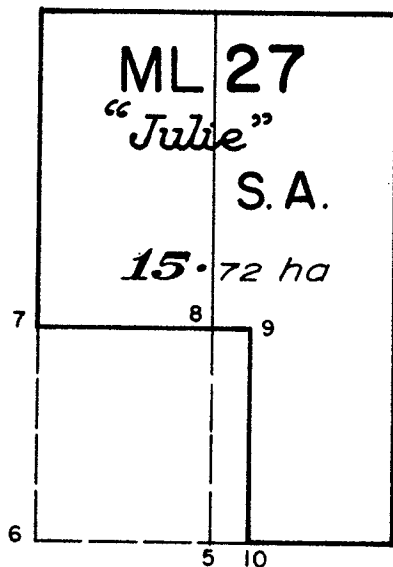
Where permissible treat in a similar manner to "Surrenders from Mining Leases" (see (h) below).

## (h) Surrenders from Mining Leases.

(i) The plan is drawn as if the action were completed (original dimensions and cancelled boundaries if required).

(ii) Each severance area being surrendered from the lease and surface area, as well as the total area being surrendered is to be shown on the plan.

eg.



AREA TO BE SURRENDERED FROM  
SURFACE AREA OF ML 27.

(5-8-9-10).....1.674 ha

AREA TO BE SURRENDERED FROM  
ML 27.

(6-7-9-10).....5.023 ha

Title ..... **ML 27**

SURFACE AREA:- 10.72 ha

## (i) Resumptions from Surface Areas of Mining Leases.

Treat in a similar manner to surrenders - stating purpose.

On face eg. AREA TO BE RESUMED FROM SURFACE AREA OF  
ML 27 FOR RAILWAY PURPOSES.

Title eg. SURFACE AREA OF ML 27.

## (j) Mining Lease encroaching on MHPL.

The severance areas of any prior MHPL (but not MHL) covered by the ML are to be stated on the plan, for rent reduction purposes, and shown as follows:-

eg. AREA OF ML 1357 WITHIN MHPL 1234

(9-10-11-12).....257 m<sup>2</sup>

## (k) Lease Location Surveys.

Specifications for plans of Datum Post Location Surveys are available from the Chief Surveyor on request.

**MINING LEASES contd**

(1) See 'ROADS IN MINING LEASES' - Page 90.

**MINING TITLES FREEHOLDING LEASE**

See 'FREEHOLDING OF MINING TITLES' - Page 78.

**NEW ROAD**

~~(a) Referred to by Department as Road to be Opened.~~

(a) ~~(a)~~ New Roads to be Opened should be drawn on MINES DEPT. plan forms only when in a Mining Field.

(b) ~~(a)~~ In Crown Land simply show as ROAD.

(c) ~~(a)~~ In existing Homestead Leases - see 'MINER'S HOMESTEAD LEASE (g)' - Page 83.

**OFFICE COMPILATION**

See 'COMPILED PLANS' - Page 76.

**OTHER TENURES**

Where a Mining Tenement covers lands held under other tenures, all boundaries and descriptions of those lands are to be shown on the plan. The boundaries of the subject block are to be distinguished by heavier lines. Show underlying descriptions in light block as follows:-

eg.           POR 74                           MHPL 251

**PETROLEUM PERMITS, LEASES AND LICENCES**

(a) Where for the purposes of the Petroleum Act 1923-1982, or the Petroleum (Submerged Lands) Act 1967-1975, it is necessary to determine the position on the surface of the earth of a point, line or area, that position shall be determined by reference to the Australian Geodetic Datum; and any plan depicting such position should be endorsed:-

eg.           Australian Geodetic Datum

(b) Where bearings are given, both forward and reverse azimuths must be shown where applicable.

**PETROLEUM WELL LOCATION SURVEYS**

Plan requirements for Well Location Surveys as required under Regulation 117 of the Petroleum Regulations (Land) 1966 will be made available upon request, from the Chief Surveyor.

**PLAN FORMS**

(a) Except under special circumstances approved by the Chief Surveyor, surveys of all Mining Tenements are to be drawn on Mines Department plan forms.

## PLAN FORMS contd

- (b) New surveys of two or more tenements may not be drawn on the plan form unless each parcel is physically connected to the other by survey.
- (c) Plan forms are available in two (2) sizes and are obtainable from the Chief Surveyor.

## PORTIONS

- (a) A Mines Department Portion is defined by placing the letter "M" after the portion number.
- (b) A Tenure Table must be shown on all plans of Mines Department Portions.
- (c) See 'MINER'S HOMESTEAD LEASE (b)' - Page 79.
- (d) See 'FREEHOLDING OF MINING TITLES' - Page 78.

## RE-MARK SURVEYS

See 'IDENTIFICATION SURVEY' - Page 78.

## RESTRICTED MINING PURPOSES CLAIM (R.M.P.C.)

Plan requirements for surveys of RMPC's as directed under Regulation 29 (AS) are the same as for Mining Leases.

## RESUMPTIONS

See 'MINER'S HOMESTEAD LEASE (i)' - Page 84 and 'MINING LEASE (i)' - Page 87.

## RIGHT OF ACCESS

- (a) A Right of Access is over Crown Land for a Mining Tenement on Crown Land.
- (b) Normally surveyed only when instructed by the Warden or Director General.
- (c) Treat generally as for an Easement. Show width of Right of Access and secants. No area is required.
- (d) If only one side is run show the surveyed boundary by a full line and the opposite side in a broken line.
- (e) Shown on plan as follows:-

(i) On face eg. **RIGHT OF ACCESS**

**20 WIDE**

(ii) Title (as the case dictates).

eg. *M.L. 53 and RIGHT OF ACCESS*

or *M.L.'s 52, 53 and RIGHT OF ACCESS*

or *RIGHT OF ACCESS (M.L. 53)* <sup>(M.L. 53)</sup>

- (f) See 'RIGHT OF WAY' - Page 90.

## RIGHT OF WAY

- (a) A Right of Way shows access to a Mining Tenement on Private Land.
- (b) Treat generally as for a Mining Lease. Show width of Right of Way and secants. No area is required.
- (c) If only one side has been run (~~allowable only when Right of Way passes through Crown Land~~) show the surveyed boundary in a full line and the opposite side in a broken line.
- (d) Show on plan as follows:-

(i) On Face eg. **RIGHT OF WAY**

**10 WIDE**

(ii) On Title (as the case dictates).

eg. *M.L. 71 and RIGHT OF WAY*

or *M.L.'s 70, 72 and RIGHT OF WAY*

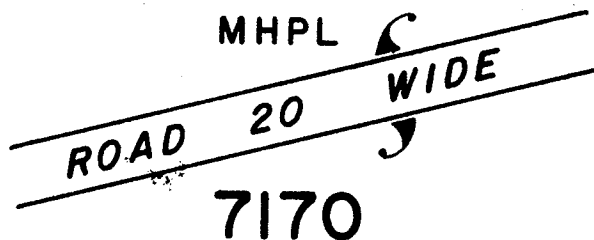
or *RIGHT OF WAY (M.L. 71)* (M.L. 72)

(e) See ~~RIGHT OF ACCESS~~ Page 89.

## ROADS IN HOMESTEADS

When a section of surveyed road (railway, channel area, reserve, etc.) severs a Homestead Lease the severances of the Homestead are to be joined by a binder and a three line area is to be shown. The road boundaries should be fully dimensioned. If only one side is surveyed the unsurveyed side is to be shown as calculated.

eg.



*1.732 ha*

*2869 m<sup>2</sup> Rd*

*1.445 ha*

## ROADS IN MINING LEASES

(a) There are four methods of showing areas of dedicated roads through ML's on a plan, depending upon the form of the ML Application.

(i) The road may be included in the ML if an application to disturb the road surface is approved by the Governor in Council (the most common case).

eg. *120.5 ha*

The road boundaries are shown in light lines.

## ROADS IN MINING LEASES contd

(ii) The road may be excluded from the ML in the terms of the lease.

eg. *120.5 ha*  
*2.746 ha Rd*  
*117.8 ha*

The road boundaries are shown in heavy lines.

Join the severances with a binder.

(iii) The road may be excluded only from the Surface Area of the ML in the terms of the lease.

eg.	<u>WITHIN LEASE ON FACE</u>	<u>BY STATEMENT</u>
	<i>120.5 ha</i>	<i>SURFACE 70.79 ha</i> <i>AREA 2.746 ha Rd</i> <i>68.04 ha</i>

The road boundaries are shown in medium lines.

The surface area is shown by statement.

(iv) Where no surface area is required for the ML the area of the road is not shown, only the area of the ML.

eg. *120.5 ha*

The road boundaries are shown in light lines.

(b) In all cases the surveyed road boundaries should be plotted on the plan. Full dimensions of the road are required in cases (ii) to (iii) above.

## SPECIAL COAL MINING LEASE (S.C.M.L.)

Plan requirements for SCML's are the same as for Mining Leases.

## SPECIAL GEM CLAIM (S.G.C.)

Plan requirements for SGC's as directed under Regulation 29Y are the same as for Mining Leases.

## SPECIAL MINING LEASE

Plan requirements for SML's are the same as for Mining Leases.

## SPECIAL PERPETUAL MINING PURPOSES LEASE (S.P.M.P.L.)

Plan requirements for SPMPPL's are the same as for Miner's Homestead Perpetual Leases.

## SPECIFIC AREAS

Specific Areas, such as Residence Areas (RA's), Business Areas (BA's) etc. see 'CLAIMS AND AREAS' - Page 76 and 'FREEHOLDING OF MINING TITLES' - Page 78.



## STATUTORY MINE WORKING PLANS

- (a) Drawing requirements for Statutory Mine Working Plans will be made available from the Chief Surveyor on request.
- (b) Plans must be drawn on official Mines Department Statutory Mine Working Plan sheets, obtainable from the Chief Surveyor.

## SUBDIVISION OF M.H.L.'s AND M.H.P.L.'s

See 'MINER'S HOMESTEAD LEASE (f)' - Page 82.

## SUBLEASE

Plan requirements for Subleases when required are generally the same as for Miner's Homestead Perpetual Leases. Detailed requirements for Sublease plans will be made available from the Chief Surveyor.

## SURFACE AREAS

See 'MINING LEASE (b)' - Page 85.

## SURRENDERS

See 'MINER'S HOMESTEAD LEASE (c) and (g)' - Pages 80 and 83 and 'MINING LEASE (h)' - Page 87.

## SURVEY RECORDS

See 'FIELD NOTES' - Page 78.

## TENURE TABLE

- (a) A Tenure Table must be shown on all plans of Mines Department Portions, Town Sections and Subdivision of a Homestead.
- (b) See 'MINER'S HOMESTEAD LEASE (b)' - Page 79, 'PORTIONS' - Page 89, 'TOWN SECTION' - Page 93 and 'FREEHOLDING OF MINING TITLES' - Page 78.

## TITLE

- (a) Should be shown on plan as follows:-
  - (i) PLAN OF ..... **MHPL 1275**  
For further details refer to respective tenure.
  - (ii) PARISH ..... **GYMPIE**
  - (iii) COUNTY ..... **March**
  - (iv) MINING DISTRICT ..... **Mareeba**
  - (v) LOCALITY ..... **Quamby**
  - (vi) MINING FIELD ..... **Anakie**
- (b) See 'STYLES' (Detailed Drafting Standards) - Page 41 and 'SPECIMEN PLANS' - Page 99.

## TOWN SECTION

- (a) A "Tenure Table" must be shown on all plans of Allotments of Sections.
- (b) Where an adjoining allotment is occupied by a Homestead Lease, show the allotment number only.
- (c) Allotments of Sections must include town name in title.
- (d) See 'MINER'S HOMESTEAD LEASE (b)' - Page 79.

## UNDERLYING DESCRIPTIONS

See 'OTHER TENURES' - Page 88.

## UNDESCRIBED BALANCE

In the case of an excision from a Homestead Lease or Mining Lease the balance of the Lease should be shown on the plan where possible. The Lease may be left as an undescrbed balance and omitted from the plan only with the prior approval of the Chief Surveyor. An undescrbed balance is not permissible in the case of a subdivision of a Homestead.

## WELL LOCATION SURVEYS

See 'PETROLEUM WELL LOCATION SURVEYS' - Page 88.

**REQUIREMENTS  
OF THE  
REGISTRAR  
OF TITLES**

Where possible plans lodged with the Registrar of Titles should be drawn with the survey information (Reference Marks etc.) shown on the face of the plan - See T.O. Specimen Plan.

## ALTERATIONS AND ADDITIONS

Before a plan is registered any amendments will either entail return of the plan to the Lodger for amendment by the Surveyor, or amendment of the plan by the Surveyor in the Titles Office.

A certificate of amendment will be endorsed on the plan by the Licensed Surveyor.

eg. *Amendments in red by me on* .....

.....  
*Licensed Surveyor*

In the case of an amendment being made by a Body Corporate registered as a Surveyor, the amending certificate must be signed by the Surveyor who must specify that he is a "Licensed Surveyor and Director".

## AREAS

1. See Page 9 of this manual.
2. Where a Balance Area is to be shown on a plan when the original plan shows an imperial area, the balance area will be computed as follows.

The original area is converted (regardless of size) to the nearest square metre and the new excluded areas (the accuracy of which will be in accordance with Item 1) are then deducted.

Note that imperial areas of exclusions brought forward from the previous plan (eg. surveyed or reserved roads) are converted to the nearest square metre.

## BEARINGS

As shown in Field Notes or Survey Record.

## BUILDING UNITS AND GROUP TITLES

For plan requirements see the "Building Units and Group Titles Act and Regulations of 1980".

## COMPILATIONS (PLANS WITHOUT FIELD SURVEY)

When the requirements of the Registrar have been known and satisfied, plans without field survey can be lodged by the Licensed Surveyor. Plans are to be endorsed and signed as per Form 13, Part B, Surveyors Regulations 1978. A statement as to the source of the information utilised in the compilation of the plan must also be incorporated in the certificate.

eg. .... *and that the plan is accurate, and compiled from RP.1234 in the Titles Office, Townsville.*

98.

### COMPILATIONS contd

and/or ..... from *SI.1234 Department of Mapping and Surveying.*  
and/or ..... from *M.P.1234 in Mines Department, Brisbane.*

Areas of amalgamation should be obtained by addition, not by calculation.

### EASEMENTS

All existing Easements are to be plotted on the subject block together with the plan number (or document reference if no plan exists). This is also done for any adjacent Emts. etc. that may abut directly on to a subject boundary.

### GROUP TITLES AND BUILDING UNITS

For Plan requirements see "Building Units and Group Titles Act 1980".

### IDENTIFICATION SURVEYS-REMARKINGS ETC

A copy of the plan is lodged, endorsed and signed by the Licensed Surveyor as follows.

eg. *I hereby certify that I have identified and remarked the boundaries as shown hereon.*

.....  
*Licensed Surveyor*  
*Date*

See also Regulation 31 of the Surveyors Regulations 1978.

### LOTS

Lots should normally be numbered from unity on every plan lodged, although in some actions it may be advantageous to retain existing number or numbers. It is also appreciated that some large survey projects cannot all be contained on one plan, and that the sequence in which the plans will be lodged is unpredictable. In such cases where the Surveyor will be committed to Lot Numbers allocated in early stages of design, it is desirable that a Lot Number does not exceed three digits.

### RESTRICTED TITLES (TITLES TO THE DEPTH & BELOW THE DEPTH OF)

For Restricted Titles, enquiries should be made with the Surveyor in Charge, Titles Office.

### RESURVEYS

Title shall read .....

eg.

*Lot 1 being resurvey of (Total Description).*

*Cancelling.....*

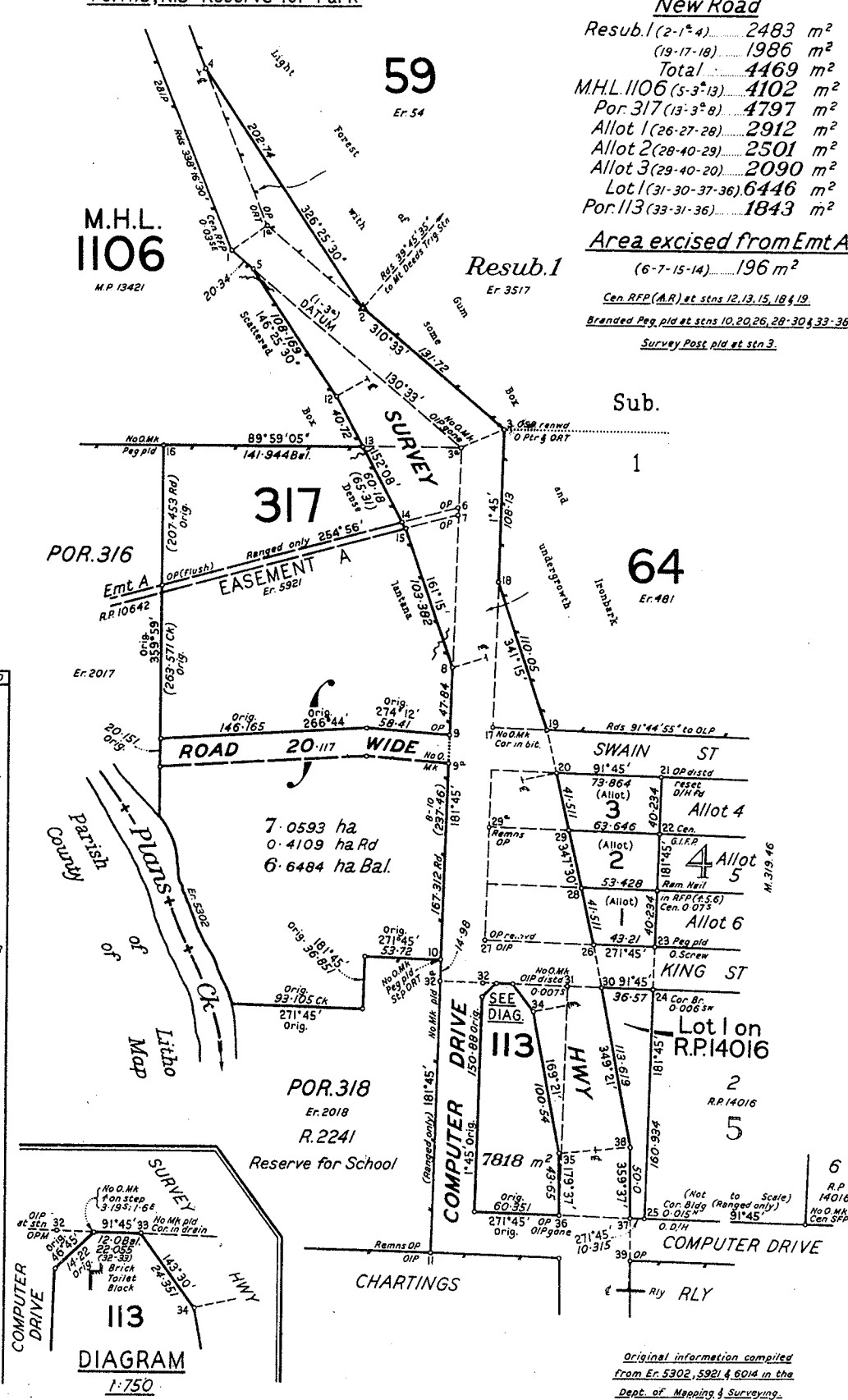
# SPECIMEN PLANS

LINE	BEARING	DIST.
1 - 1	54°25'	31.09
1 - 2	130°33'	89.59
1 - 4	338°17'	119.11
5 - 3	130°33'	193.96
3 - 3	66°09'	33.46
3 - 6	181°45'	42.72
6 - 7	"	5.22
7 - 8	"	107.77
6 - 14	254°56'	40.47
7 - 15	"	37.82
3 - 13	269°59'	68.51
18 - 17	181°45'	103.08
17 - 19	91°45'	38.54
19 - 20	167°30'	31.14
23 - 24	181°45'	30.18
26 - 27	271°45'	77.49
29 - 29	"	57.06
26 - 30	169°21'	30.9
30 - 31	271°45'	23.78
31 - 32	"	38.29
32 - 32	"	30.18
31 - 36	181°45'	160.93
35 - 36	84°29'	50.2
36 - 37	91°45'	50.04
37 - 39	179°37'	30.2
39 - 10	mmt only	21.03

PM	BEARING	DIST.	NO.
5 - PM	79°35'30"	5.464	14259
32 - OPM	271°45'	1.509	365
37 - PM	179°37'	2.0	14260

STN	TO	BEARING	DIST.	BRAND
1	O. Blvd	45°25'	13.61	burnt
2	Pin Ironok	326°25'30"	1.005	
		95°17'	8.19	A.R.
3	O. Ptr	310°33'	4.023	
	O. Box	179°44'	20.22	A.59.64
3	OIP gone	269°59'	1.006	
4	Pin Box	146°25'30"	1.0	
		12°56'	14.92	A.R.
8	Pin	181°45'	1.0	
10	Stp DRT	289°31'	22.01	
11	OIP	1°45'	1.006	
12	Pin Mahog.	152°08'	1.0	
		244°35'	18.99	A.1106.R
13	Pin	269°59'	1.0	
		332°08'	"	
14	Pin	332°08'	1.0	
15	"	"	"	
18	Pin Gum	1°45'	1.0	
		160°40'	10.22	A.R.
19	Pin	91°45'	1.0	
20	"	"	"	
21	D. Hole in conc.	34°25'	1.579	
23	O. Screw in conc.	181°45'	2.012	
25	O. Hole in rail	0°10'1"	0.3194	
26	Pin	167°30'	1.0	
27	OIP Flush	91°45'	1.006	
30	Pin	169°21'	1.0	
34	"	"	"	
35	"	"	"	
36	OIP gone	1°45'	1.006	
37	Pin	359°37'	1.0	
	P. Pole No. 341	150°22'10"	15.269	A
38	Pin	179°37'	1.0	
39	Con. RFP	0°35'	0.024	

Por. 113, R.3 Reserve for Park



**New Road**  
 Resub. 1 (2-1°4) 2483 m<sup>2</sup>  
 (19-17-18) 1986 m<sup>2</sup>  
 Total 4469 m<sup>2</sup>  
 M.H.L. 1106 (5-3°13) 4102 m<sup>2</sup>  
 Por. 317 (13-3°8) 4797 m<sup>2</sup>  
 Allot 1 (26-27-28) 2912 m<sup>2</sup>  
 Allot 2 (28-40-29) 2501 m<sup>2</sup>  
 Allot 3 (29-40-20) 2090 m<sup>2</sup>  
 Lot 1 (31-30-37-36) 6446 m<sup>2</sup>  
 Por. 113 (33-31-36) 1843 m<sup>2</sup>

**Area excised from Emt A**  
 (6-7-15-14) 196 m<sup>2</sup>

Con. RFP (A.R.) at stns 12, 13, 15, 18 & 19  
 Branded Peg, pld at stns 10, 20, 26, 28-30 & 33-38  
 Survey Post pld at stn 3.

M.H.L. 1106  
 M.P. 13421

Resub. 1  
 Er. 3517

Sub. 1

317

64

POR. 316

EASEMENT A  
 Er. 5921

ROAD 20-117 WIDE

POR. 318

R. 2241

Reserve for School

113

DIAGRAM  
 1:750

Original information compiled  
 from Er. 5302, 5921 & 6014 in the  
 Dept. of Mapping & Surveying.

I, John William BROWN  
 hereby certify that I have surveyed the land comprised in  
 the plan (hereinafter described) as a person duly  
 qualified to do so in accordance with the provisions of  
 the Surveyors Act 1977 and the Surveyors Regulations 1978 and that the  
 said survey was completed on  
 30. 6. 1982  
 J.W. Brown Licensed Surveyor

LINE	PLAN BEARING	A.M.G. BEARING
2 - 3	130°33'	136°43'41"
Add	6°11' for	A.M.G.
Add	0°03' for	C.A.M.

PLAN OF Por. 113, Por. 317 and Road in  
 Allots 1-3 of Sec. 4, Lot 1 on R.P. 14016  
 (Orig. Allot 2 of Sec. 5) TOWN OF MAP &  
 in M.H.L. 1106 & Resub. 1 of Sub. 1 of  
 Pors. 59 & 64.  
 SCALE 1:1000

AUTHORITY	D.M.S. REF.	DRAWN	REGISTERED	CHARTED	MAP REF.
R.C. 35111 S.L. 23554	82 N/121 11 - 1 - 82	G.S.			P.M. & T.M.

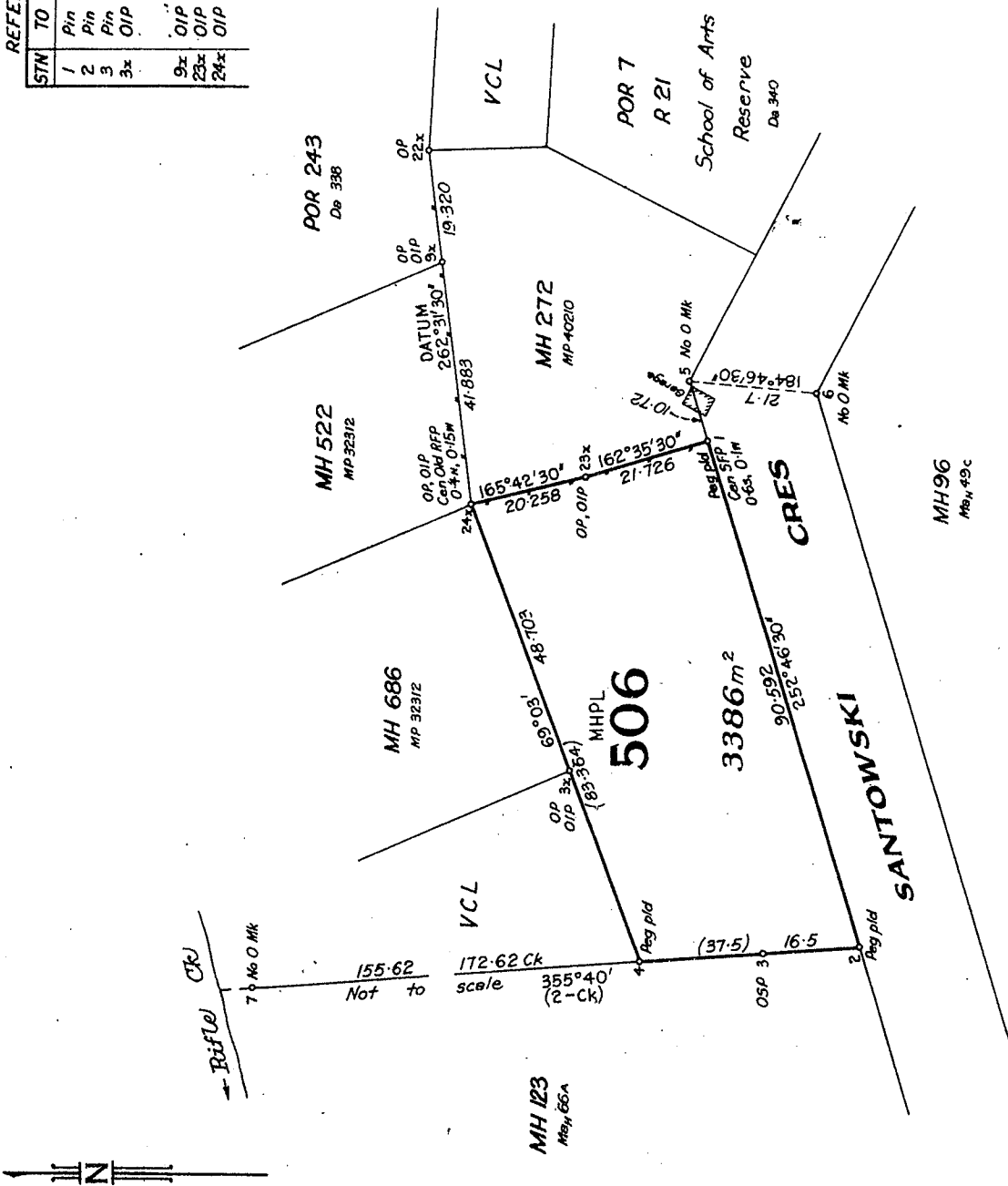
PARISH METRIC  
 County Fraser  
 L.A. District : Pencil  
**PLAN SPECIMEN**

WARNING—Folding or mutilating will lead to rejection—plan may be rolled

Plan must be drawn within blue lines

Plan must be drawn within blue lines

STN	TO	BEARING	DISTANCE
1	Pin	266°21'	1-298
2	Pin	170°52'	1-125
3	Pin	251°40'	1-317
3x	OIP	246°25'	1-0
9x	OIP	82°31'30"	0-736
23x	OIP	262°31'	1-0
24x	OIP	262°31'30"	1-0

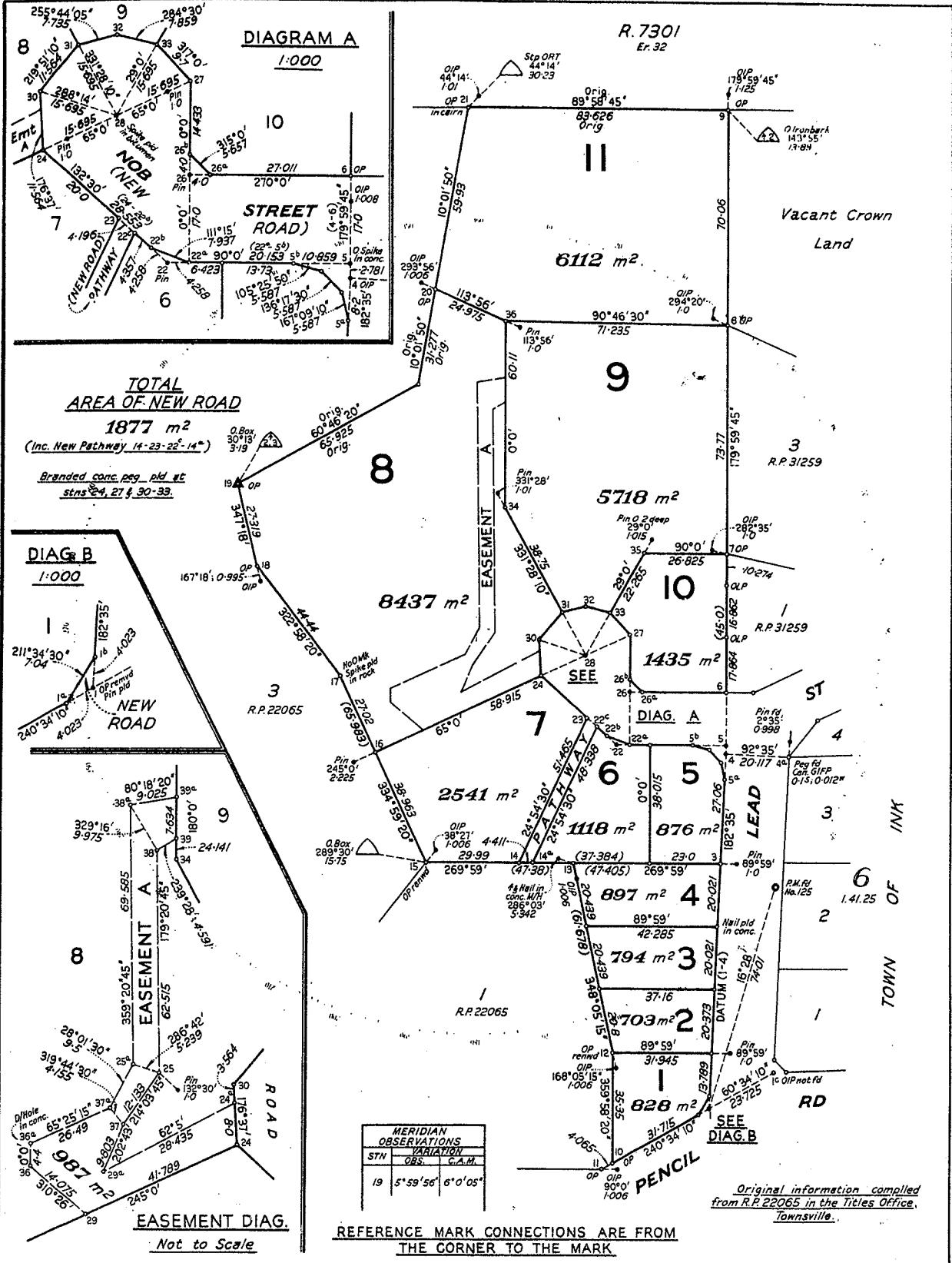


FIELD NOTES LODGED				LINES NOT SURVEYED		STNS		CORNERS NOT MARKED		STNS	
FILE REF.	DATE CAT.	DRAWN	CHARTED	DUP/WARD	PLAN OF				MHPL 506		
EXAMINED	CHECKED	LOCALITY		MINING FIELD		PARISH <b>GARIOCH</b> COUNTY <b>Dagmar</b> MINING DISTRICT <b>Mareeba</b>					
MAP REFERENCE		PROC SURVEY AREA		SURVEYED BY		MERIDIAN		SCALE		SPECIMEN	
				John W. Brown 30-6-82		On meridian of: MP 40210		1:000		Cat.No.	



WARNING - FOLDING OR MUTILATING WILL LEAD TO REJECTION - PLAN MAY BE ROLLED

G. Swain



PLAN MUST BE DRAWN WITHIN BLUE LINES

PLAN MUST BE DRAWN WITHIN BLUE LINES

FIELD NOTES LOGGED		LINES NOT SURVEYED	STNS	CORNERS NOT MARKED	STNS
ORIGINAL PORTION	292	PLAN OF Lots 1 - 11 & Easement A in Lot 8			TOWN
ORIGINAL GRANT		Cancelling Lot 2 on R.P.22065			PARISH METRIC
MAP REF.	PROCLAIMED SURVEY AREA	SURVEYED BY	MERIDIAN	SCALE	COUNTY Eraser
		L. Surveyor	of R.P.22065	1:000	PLAN SPECIMEN
		16. / 5. / 1982			

CROWN COPYRIGHT RESERVED, REGISTRAR OF TITLES, QUEENSLAND

Original information compiled from R.P.22065 in the Titles Office, Townsville.

REFERENCE MARKS

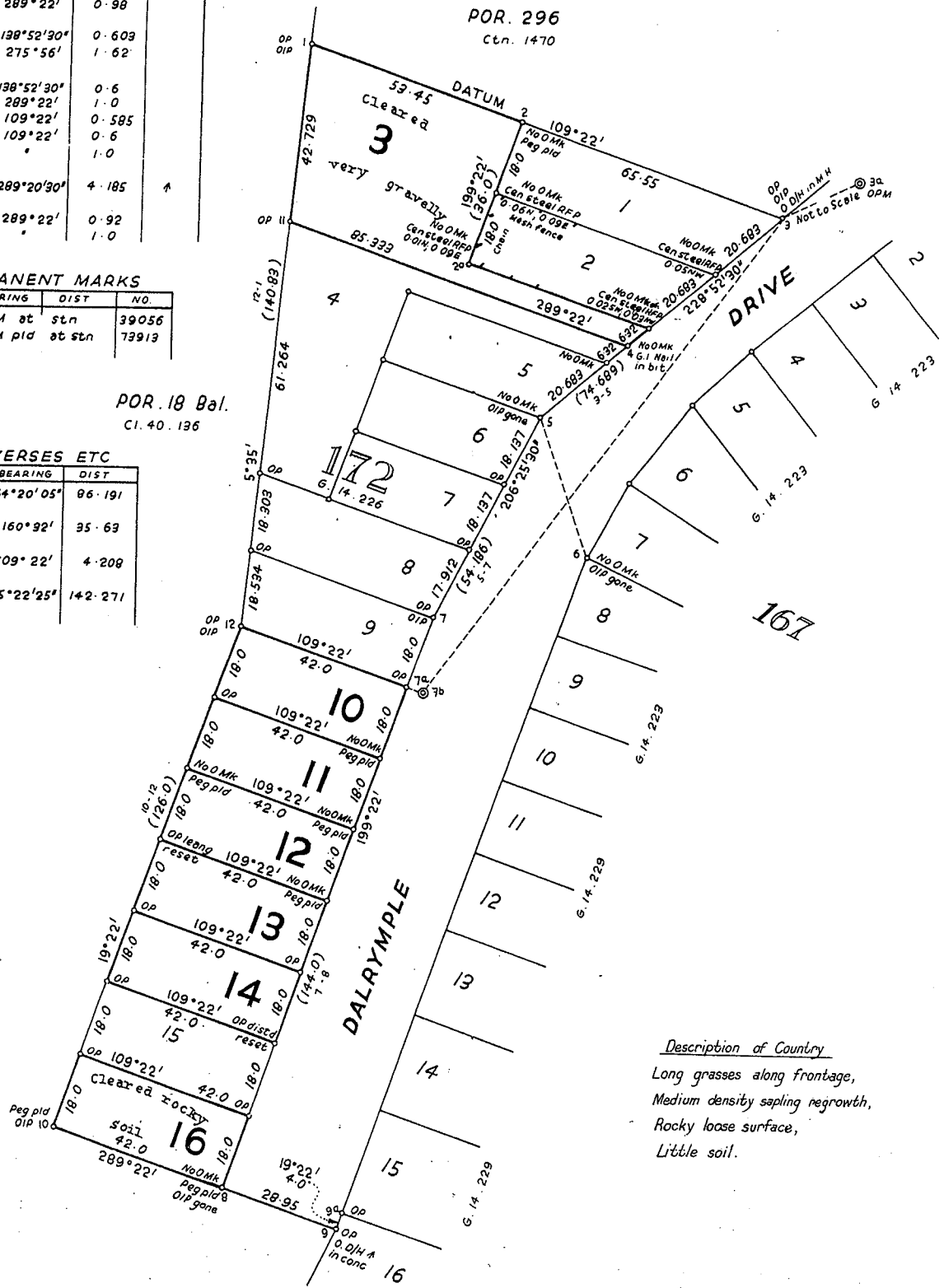
STN	TO	BEARING	DIST	BRAND
1	OIP	289°22'	0.98	
3	OIP	138°52'30"	0.603	
	O.D.H.in sewer MH	275°56'	1.62	
5	OIP gone	138°52'30"	0.6	
6	OIP gone	289°22'	1.0	
7	OIP	109°22'	0.585	
8	OIP gone	109°22'	0.6	
	Pin	"	1.0	
9	O.D.H in conc	289°20'30"	4.185	↑
10	OIP	289°22'	0.92	
12	"	"	1.0	

PERMANENT MARKS

PM	BEARING	DIST	NO.
3a	OPM at stn		39056
7b	PM pld at stn		73913

TRAVERSES ETC

LINE	BEARING	DIST
3-3a	64°20'05"	86.191
5-6	160°32'	35.63
7a-7b	109°22'	4.208
7b-3	35°22'25"	142.271



POR. 18 Bal.  
Cl. 40. 136

POR. 296  
Ctn. 1470

Description of Country  
Long grasses along frontage,  
Medium density sapling regrowth,  
Rocky loose surface,  
Little soil.

<p>I, <u>Jahn William BROWN</u> hereby certify that I have personally surveyed the land comprised in this plan either personally or by <u>personally</u> for whose work I am <u>personally</u> accept responsibility, that the plan is accurate, that the said survey was performed in accordance with the Surveyors Act 1977 and the Surveyors Regulations 1979 and that the said survey was completed on <u>30.8.82</u>.</p> <p><u>J.W. Brown</u> Licensed Surveyor Date <u>1.9.82</u></p> <p><small>SURVEY RECORDS FIELD NOTES LOGGED</small></p>	<p>MERIDIAN</p> <table border="1"> <tr> <th>LINE</th> <th>PLAN BEARING</th> <th>A.M.G. BEARING</th> </tr> <tr> <td>Add</td> <td>0°03' for C.A.M</td> <td></td> </tr> <tr> <td>Vide</td> <td>C.14.229</td> <td></td> </tr> </table>	LINE	PLAN BEARING	A.M.G. BEARING	Add	0°03' for C.A.M		Vide	C.14.229		<p><b>PLAN OF</b> Identification Survey of Allotments 3, 10-14 &amp; 16 of Section 172.</p> <p><b>SCALE</b> 1:000</p> <table border="1"> <tr> <th>AUTHORITY</th> <th>D.M.B. REF.</th> <th>DRAWN</th> <th>REGISTERED</th> <th>CHARTED</th> <th>MAP REF.</th> </tr> <tr> <td>B. 1852.16E pt 4</td> <td>BIK1/269</td> <td>D.W.</td> <td></td> <td></td> <td>9150-23444</td> </tr> </table>	AUTHORITY	D.M.B. REF.	DRAWN	REGISTERED	CHARTED	MAP REF.	B. 1852.16E pt 4	BIK1/269	D.W.			9150-23444	<p><b>CITY</b> GLADSTONE <b>PARISH</b> GLADSTONE County <u>Clinton</u> L.A. District <u>Gladstone</u></p> <p><b>PLAN SPECIMEN</b></p>
	LINE	PLAN BEARING	A.M.G. BEARING																					
	Add	0°03' for C.A.M																						
Vide	C.14.229																							
AUTHORITY	D.M.B. REF.	DRAWN	REGISTERED	CHARTED	MAP REF.																			
B. 1852.16E pt 4	BIK1/269	D.W.			9150-23444																			
<p><small>CROWN COPYRIGHT RESERVED, DEPARTMENT OF MAPPING AND SURVEYING, QUEENSLAND.</small></p>																								

CERTIFICATE

..... I, *John William BROWN*.....  
hereby certify that ... *I have*..... surveyed the land comprised  
in this plan ..... *personally*.....

.....  
that the plan is accurate, that the said survey was performed  
in accordance with the "Surveyors Act 1977" and the "Surveyors  
Regulations 1978" and that the said survey was completed  
on ... *6.7.82*.....

.....  
..... *J.W. Brown*.....  
Signature of Licensed Surveyor

Date ... *12.7.82*.....

CERTIFICATE

..... I, *John William BROWN*.....  
hereby certify that ... *I have*..... surveyed the land comprised  
in this plan *by John William Jackson, Licensed Surveyor for whose  
work I accept responsibility*.....

.....  
that the plan is accurate, that the said survey was performed  
in accordance with the "Surveyors Act 1977" and the "Surveyors  
Regulations 1978" and that the said survey was completed  
on ... *6.7.82*.....

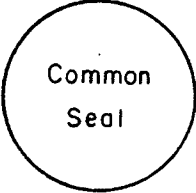
.....  
..... *J.W. Brown*.....  
Signature of Licensed Surveyor

Date ... *12.7.82*.....

CERTIFICATE

..... *J. W. BROWN. (Surveys) Pty. Ltd.* .....  
 hereby certify that *the company has* surveyed the land comprised  
 in this plan *by John William Jackson, Licensed Surveyor for whose* ...  
*work the company accepts responsibility* .....  
 that the plan is accurate, that the said survey was performed  
 in accordance with the "Surveyors Act 1977" and the "Surveyors  
 Regulations 1978" and that the said survey was completed  
 on ... *6..7..82* .....

..... *M. R. Smith* .....  
 Director .....  
 ..... *J. W. Brown* .....  
 Director .....  
 Signature of Licensed Surveyor



Date ... *12..7..82* .....

CERTIFICATE

I, *John William BROWN*..... hereby certify that I have made  
 this plan pursuant to Regulation 29 of the Surveyors Regulations  
 1978, that the plan is accurate and compiled from plan .....  
 ..... in the Department of Mines, Brisbane. \*

..... *J. W. Brown* .....  
 Date ... *12..7..82* .....

\* (Substitute of add "Department of Mapping and Surveying"  
 or "Titles Office" where applicable.)