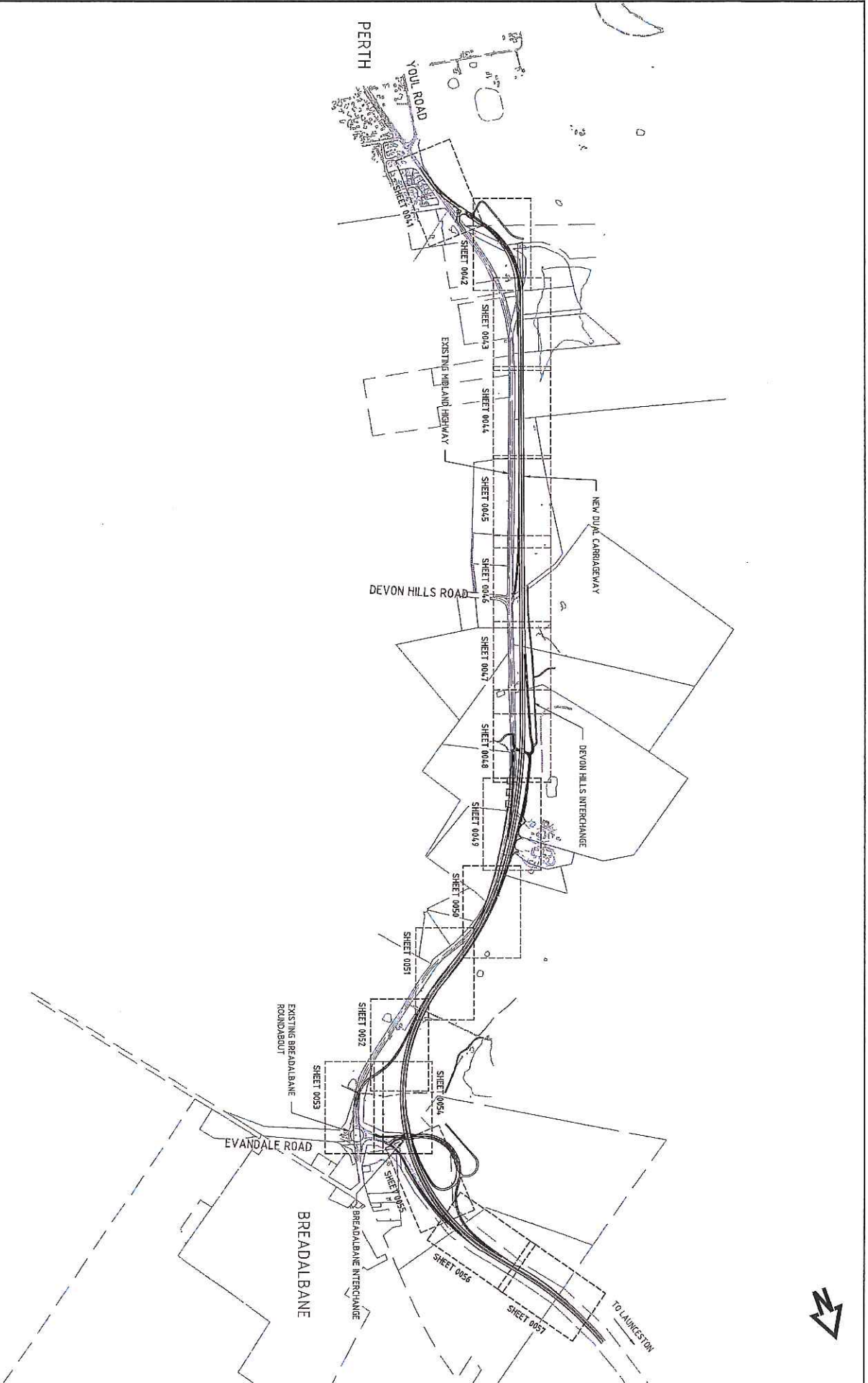


- NOTES:**
1. CUT BATTER SLOPE WILL VARY DEPENDENT ON GEO-TECHNICAL REQUIREMENTS.
 2. WHERE SAFETY BARRIER IS REQUIRED, VERGE WIDTH TO BE MODIFIED TO SUIT BARRIER (MIN. 1.5m MIN.)

<p>0 1 2 3 4 5</p> <p>SCALE 1:100</p>		<p>DESIGNED BY: C.MONTY</p> <p>REVIEWED BY:</p>		<p>Department of State Growth</p> <p>MIDLAND HIGHWAY (A0087)</p> <p>PERTH TO BREADALBANE DUPLICATION</p> <p>TYPICAL SECTIONS - SHEET 3</p>	
<p>CONTRACT No. 32-17268-010 LOT 24W</p> <p>DRAWING REGISTRATION NUMBER A0087.026</p>		<p>PRINTED DATE 07-Aug-15, 5:07 PM</p>		<p>SHEET No. 0012</p> <p>REVISION B</p>	
<p>DA SUBMISSION</p> <p>PRELIMINARY DESIGN ISSUE</p> <p>Amendment Description</p>		<p>K.B. 07/08/2015</p> <p>K.B. 16/03/2015</p> <p>Initials Date</p>		<p>Co-ordinate System: Mea Zone 55</p> <p>Height Datum: AHD</p>	
<p>A3 original</p> <p>This sheet may be prepared using colour and may be incompatible if copied</p>					

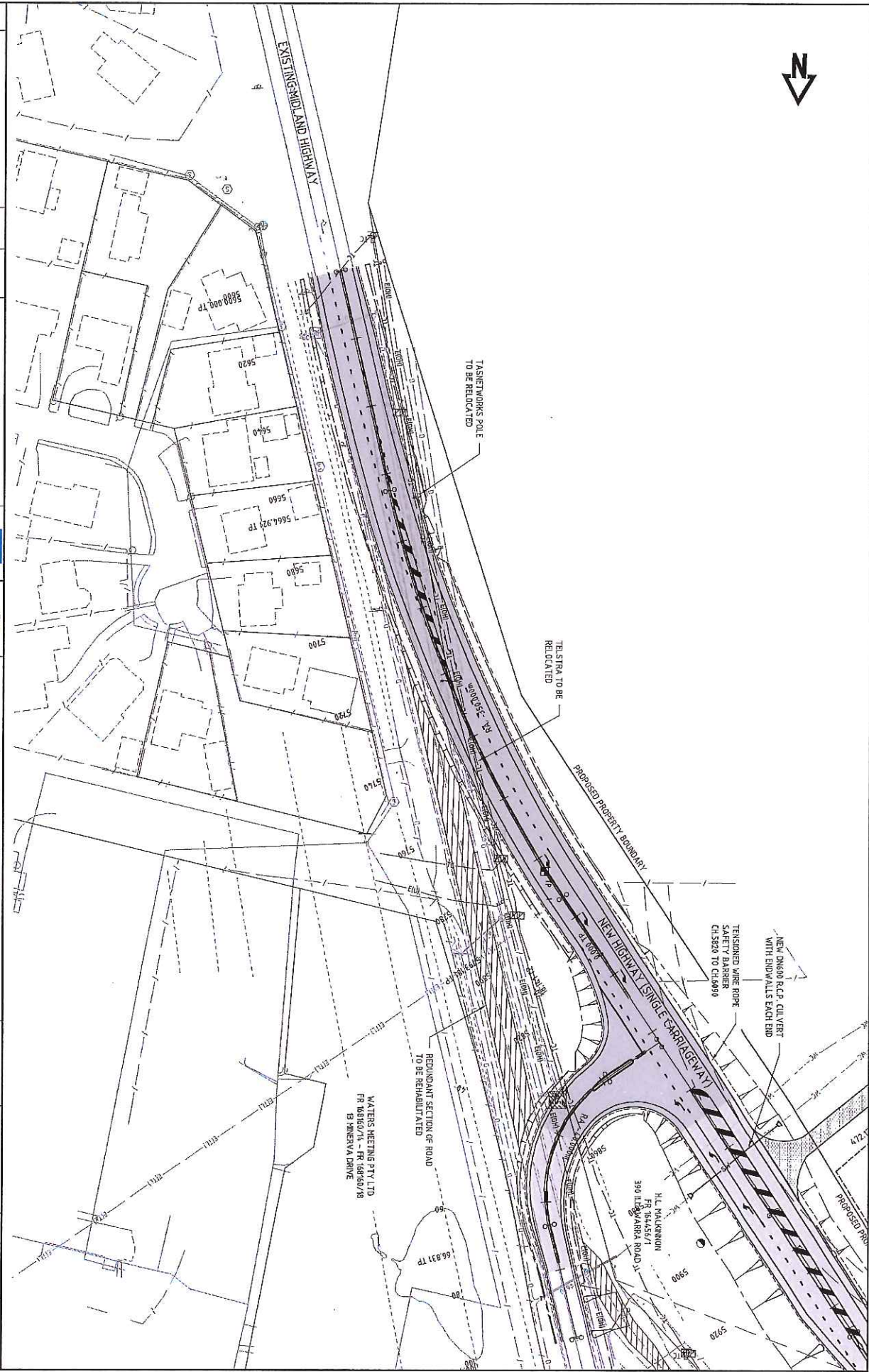




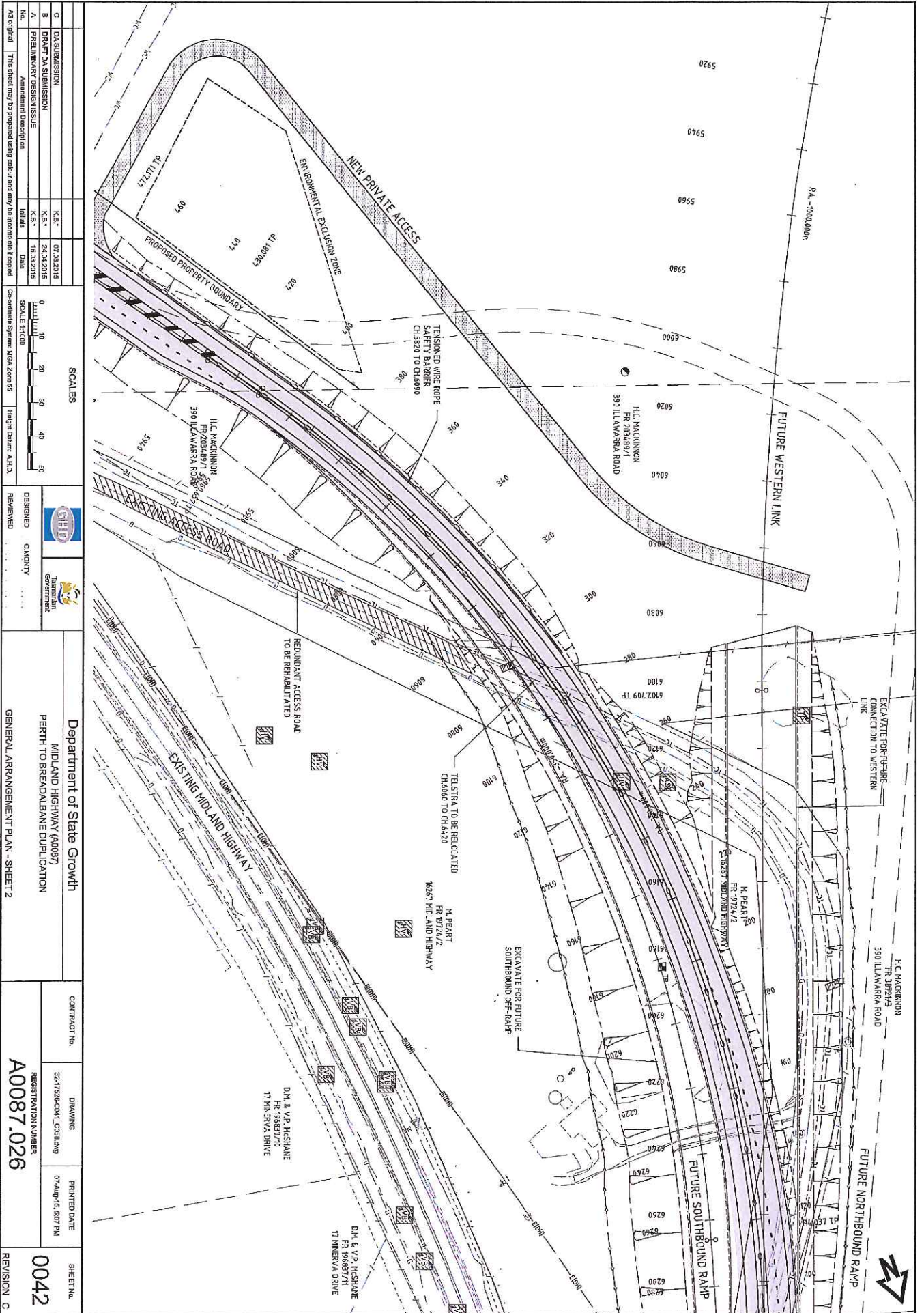
<p>Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION</p>		<p>CONTRACT No. _____</p>		<p>DRAWING No. 32-1728-CR04-049</p>		<p>PRINTED DATE 07-Aug-15 5:07 PM</p>		<p>SHEET No. 0040</p>	
<p>DESIGNED BY C.MOYTY</p>		<p>REVIEWED BY _____</p>		<p>REGISTRATION NUMBER A0087.026</p>		<p>REVISION C</p>		<p>OVERALL PLAN</p>	
<p>Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION</p>		<p>SCALE 1:1000</p>		<p>Co-ordinate System: Mea 2000 55</p>		<p>Height Datum: A.H.D.</p>		<p>AS original</p>	
<p>Amendment Description</p>		<p>Date</p>		<p>By</p>		<p>Check</p>		<p>Scale</p>	
<p>A PRELIMINARY DESIGN ISSUE</p>		<p>16.03.2015</p>		<p>K.B.T.</p>		<p>K.B.T.</p>		<p>1:1000</p>	
<p>B PROJECT DA SUBMISSION</p>		<p>24.08.2015</p>		<p>K.B.T.</p>		<p>K.B.T.</p>		<p>1:1000</p>	
<p>C DA SUBMISSION</p>		<p>07.08.2015</p>		<p>K.B.T.</p>		<p>K.B.T.</p>		<p>1:1000</p>	

SCALES

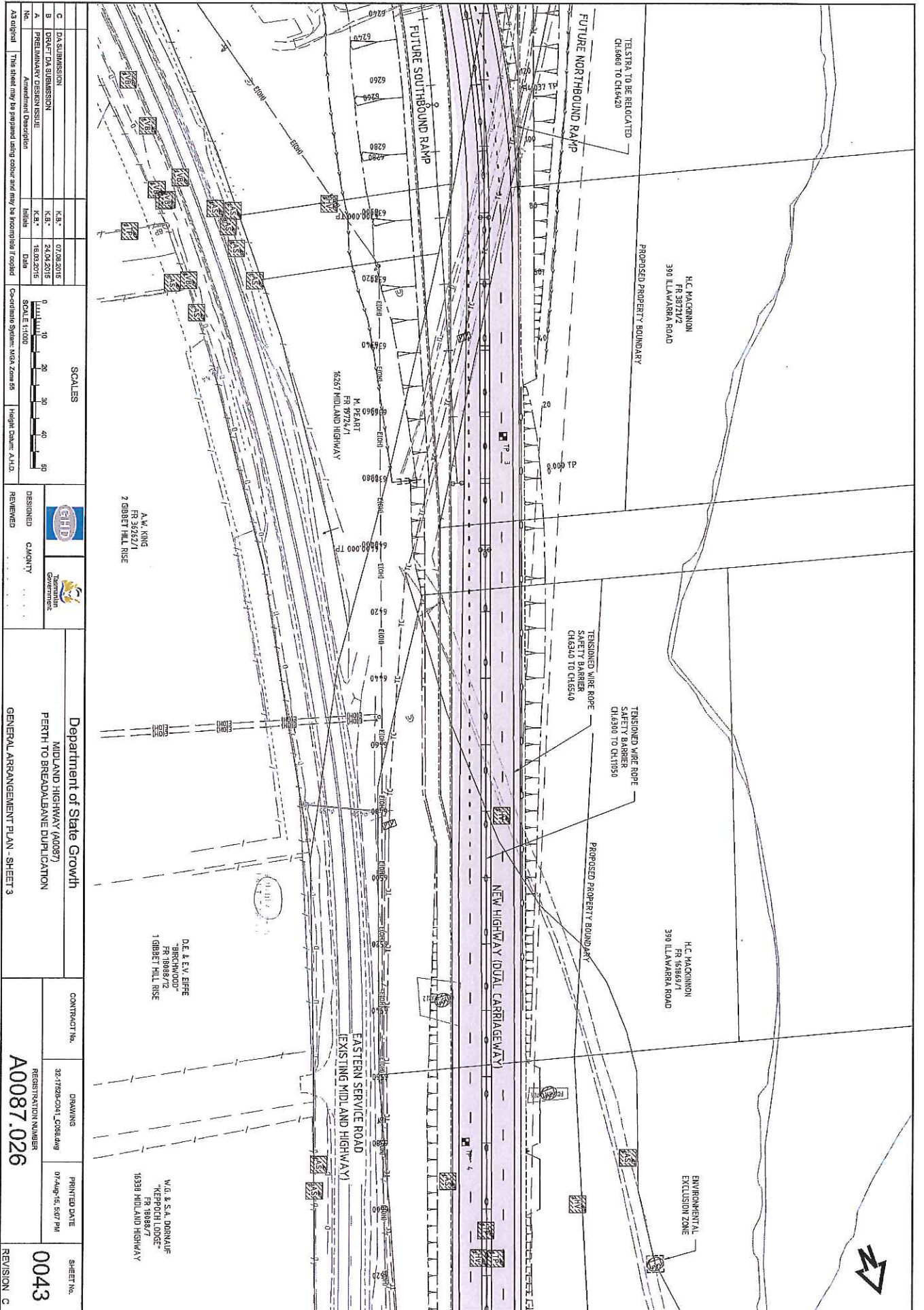




<p>SCALES</p> <p>0 10 20 30 40 50</p> <p>SCALE 1:1000</p> <p>Co-ordinate System: MGA Zone 55 Height Datum: A.M.D.</p>		<p>DESIGNED</p> <p>REVIEWED</p>		<p>Department of State Growth</p> <p>MIDLAND HIGHWAY (A0087)</p> <p>PERTH TO BREADALBAVE DUPLICATION</p> <p>GENERAL ARRANGEMENT PLAN - SHEET 1</p>		<p>CONTRACT No.</p> <p>32-17920-CDM1_C026AWG</p> <p>REGISTRATION NUMBER</p> <p>A0087.026</p>		<p>DRAWING</p> <p>PRINTED DATE</p> <p>07-Aug-15, 5:07 PM</p>		<p>SHEET No.</p> <p>0041</p> <p>REVISION</p> <p>C</p>	
<p>Amendment Description</p> <p>No. Issue Date</p>		<p>Company</p> <p>GHID</p> <p>Government</p>		<p>DA SUBMISSION</p> <p>DA SUBMISSION</p> <p>DA SUBMISSION</p> <p>PRELIMINARY DESIGN ISSUE</p>		<p>DATE</p> <p>07.03.2015</p> <p>20.04.2015</p> <p>16.03.2015</p>		<p>SCALE</p> <p>1:1000</p>		<p>REVISION</p> <p>C</p>	



<p>Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION</p>		<p>CONTRACT No. 32.172200V1_C03A189</p>		<p>DRAWING REGISTRATION NUMBER A0087.026</p>		<p>PRINTED DATE 07-Aug-15, 5:07 PM</p>		<p>SHEET No. 0042</p>	
<p>GENERAL ARRANGEMENT PLAN - SHEET 2</p>		<p>DESIGNED BY C.MOONEY</p>		<p>REVISION C</p>		<p>SCALE 1:1000</p>		<p>Co-ordinate System: MGA Zone 55 Height Datum: A.H.D.</p>	
<p>Amendment Description</p>		<p>Revised</p>		<p>Scale</p>		<p>Scale</p>		<p>Scale</p>	
<p>No. 1</p>		<p>Date 18/03/2015</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>	
<p>A</p>		<p>Date 18/03/2015</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>	
<p>B</p>		<p>Date 21/04/2015</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>	
<p>C</p>		<p>Date 07/08/2015</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>	
<p>DA SUBMISSION</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>	
<p>PRELIMINARY DESIGN ISSUE</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>	
<p>DA SUBMISSION</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>		<p>Scale 1:1000</p>	



A.M. KING
FR 39382/1
2 GIBBET HILL RISE

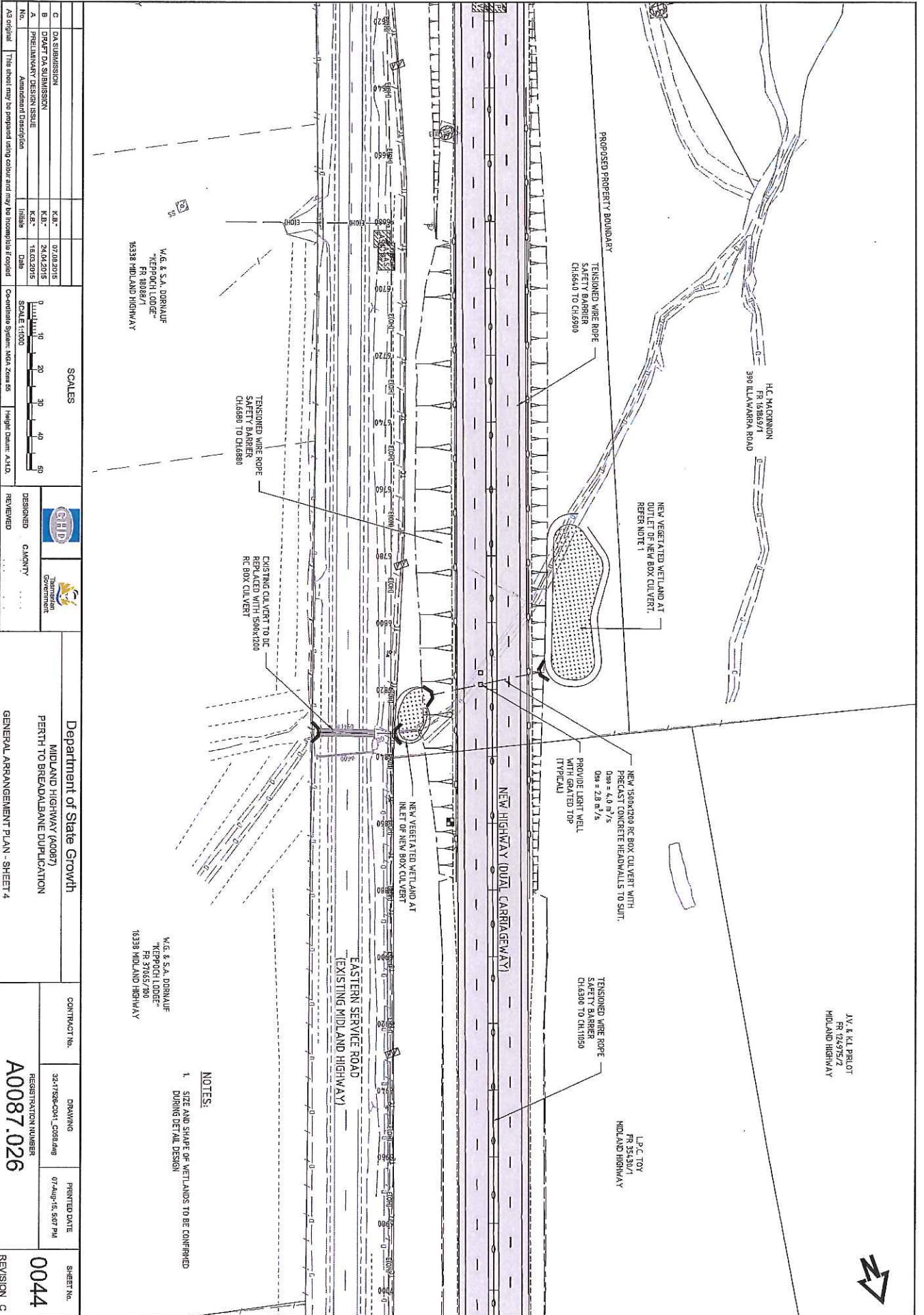
D.L. & E.V. EFFE
"BIRCHWOOD"
FR 10888/2
1 GIBBET HILL RISE

M.G. & S.A. DERKAMP
"KEP"
FR 1684/8
16330 MIDLAND HIGHWAY

SCALES



<p>Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBAINE DUPLICATION</p>		<p>CONTRACT No. DRAWING</p>		<p>PRINTED DATE SHEET No.</p>	
<p>GENERAL ARRANGEMENT PLAN - SHEET 3</p>		<p>32-17828/CAN1 CORSLANG</p>		<p>07-Aug-15: 5:07 PM</p>	
<p>DESIGNED G.MOYTY</p>		<p>REGISTRATION NUMBER A0087.026</p>		<p>0043</p>	
<p>REVIEWED</p>		<p>REVISION C</p>		<p>As original</p>	
<p>Amendment Description</p>		<p>No. Issue</p>		<p>Date</p>	
<p>A PRELIMINARY DESIGN ISSUE</p>		<p>K.S.T.</p>		<p>16.02.2015</p>	
<p>B DRAFT DA SUBMISSION</p>		<p>K.S.T.</p>		<p>24.02.2015</p>	
<p>C DA SUBMISSION</p>		<p>K.S.T.</p>		<p>07.02.2015</p>	
<p>This sheet may be prepared using colour and may be incomplete if copied</p>					



NOTES:
 1. SIZE AND SHAPE OF WETLANDS TO BE CONFINED DURING DETAIL DESIGN

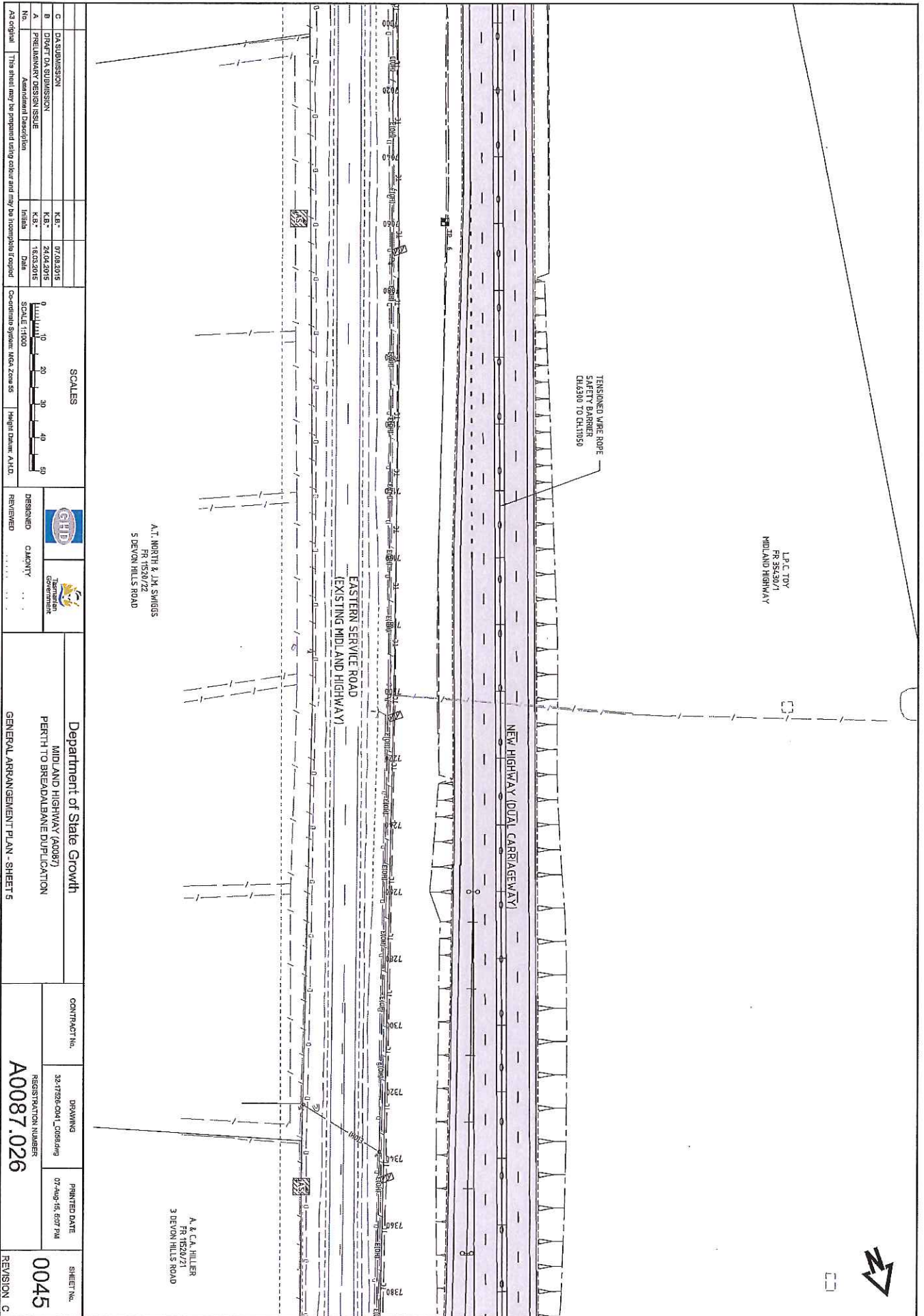
SCALES



No.	Amendment Description	Initials	Date
A	PRELIMINARY DESIGN ISSUE	K.B.	24.04.2015
B	DA SUBMISSION	K.B.	07.02.2015
C	DA SUBMISSION	K.B.	07.02.2015

Department of State Growth
 MIDLAND HIGHWAY (A0087)
 PERTH TO BREADALBAINE DUPLICATION
 GENERAL ARRANGEMENT PLAN - SHEET 4

CONTRACT No.	DRAWING	PRINTED DATE	SHEET No.
32-1728-CON1-CORR.DWG		07-Aug-15, 5:07 PM	0044
RESERVATION NUMBER			
A0087.026			
DESIGNED	CHECKED	REVISION	
		C	



A.T. NORTH & J.M. SWIGGS
FR 15/20/22
5 DEVON HILLS ROAD

A. & E. A. HILLER
FR 15/20/21
3 DEVON HILLS ROAD

Amendment Description		Initials	Date
C	DA SUBMISSION	K.B.*	07/08/2015
B	DRAWN DA SUBMISSION	K.B.*	24/04/2015
A	PRELIMINARY DESIGN ISSUE	K.B.*	16/03/2015
No			

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SCALES



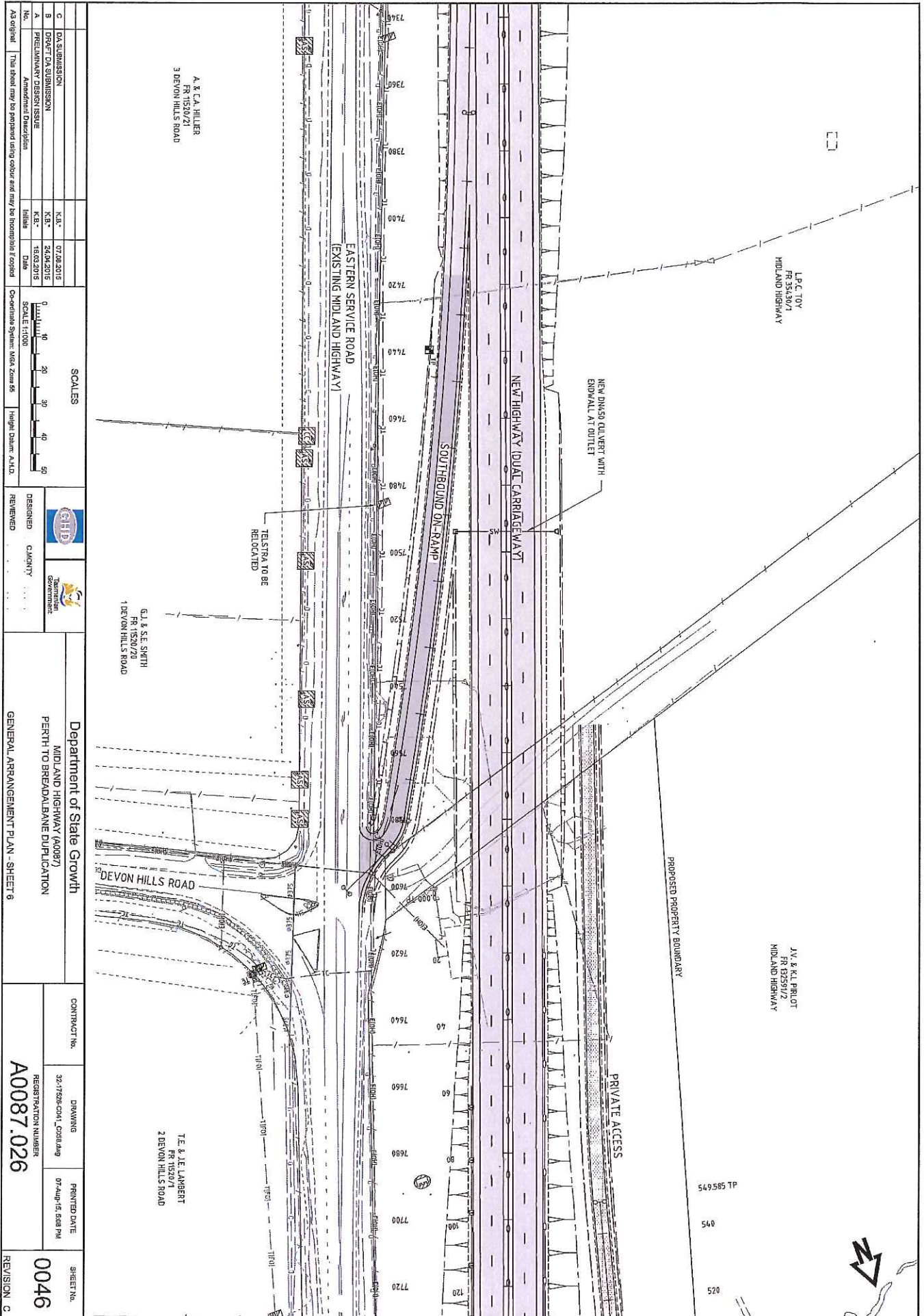
DESIGNED BY: GHD

REVIEWED BY: Government

CAOINITY

Department of State Growth
MIDLAND HIGHWAY (A0087)
PERTH TO BREADALBAINE DUPLICATION
GENERAL ARRANGEMENT PLAN - SHEET 5

CONTRACT No.	DRAWING	PRINTED DATE	SHEET No.
	3247292-004_1_Corridor	07-Aug-15, 6:07 PM	0045
REGISTRATION NUMBER	REVISION C		
A0087.026			



No.		Amendment Description	
As original			
A		PRELIMINARY DESIGN ISSUE	
B		DRAFT SUBMISSION	
C		FINAL SUBMISSION	
K.S.C.		07/08/2016	
K.B.*		24/04/2016	
K.B.*		16/03/2016	
Initials		Date	

SCALES

0 10 20 30 40 50

SCALE 1:1000

Orthographic System: Meq Zoom 55

Height Datum: A.M.D.

DESIGNED: **CHID**

REVIEWED: **CHID**

DESIGNED: **CHID**

REVIEWED: **CHID**

Department of State Growth
 MIDLAND HIGHWAY (A0087)
 PERTH TO BREADALBANE DUPLICATION

CONTRACT No.	DRAWING	PRINTED DATE	SHEET No.
	32-1728-CM1_Corridor	07-Aug-15, 6:08 PM	0046
REGISTRATION NUMBER	REVISION: C		
A0087.026			

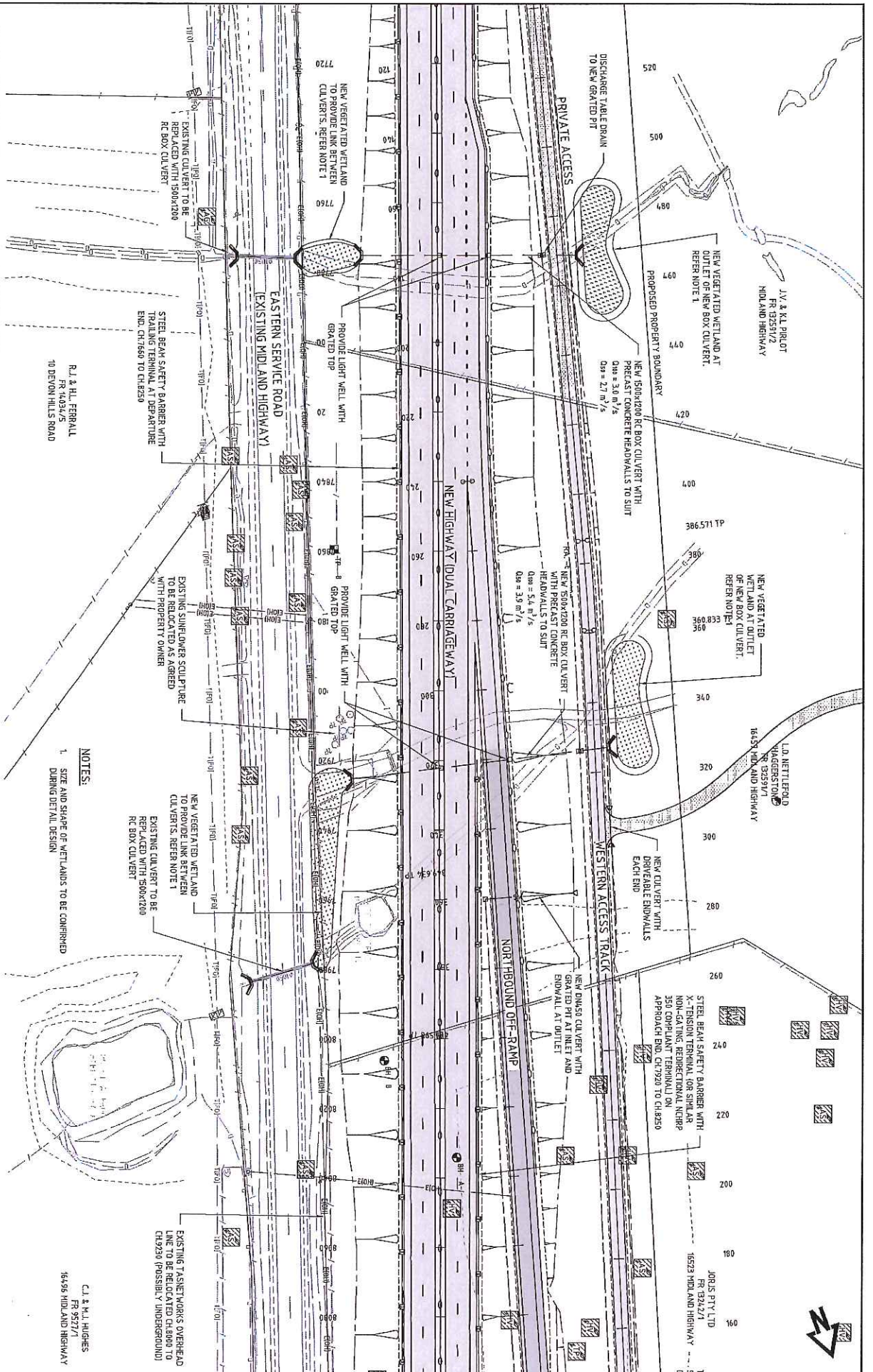
A & C.A. HILLER
 FR 11520/21
 3 DEVON HILLS ROAD

G.J. & S.E. SMITH
 FR 11520/20
 1 DEVON HILLS ROAD

T.E. & J.E. LAMBERT
 FR 11520/1
 2 DEVON HILLS ROAD

J.V. & K.L. PILOTT
 FR 52591/2
 MIDLAND HIGHWAY

PL 5856975
 056
 025



<p>Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION</p>		<p>CONTRACT No. ... DRAWING ... PRINTED DATE ...</p>	
<p>GENERAL ARRANGEMENT PLAN - SHEET 7</p>		<p>REGISTRATION NUMBER A0087.026</p>	
<p>DESIGNED BY: GHD CHECKED BY: ...</p>		<p>SHEET No. 0047</p>	
<p>SCALE: 1:1000 Horizontal System: Mean Zone 55 Height Datum: A.H.D.</p>		<p>REVISION C</p>	

- NOTES:**
1. SIZE AND SHAPE OF WETLANDS TO BE CONFIRMED DURING DETAIL DESIGN

C.L. & M.L. HUGHES
FR 9537/1
16495 MIDLAND HIGHWAY

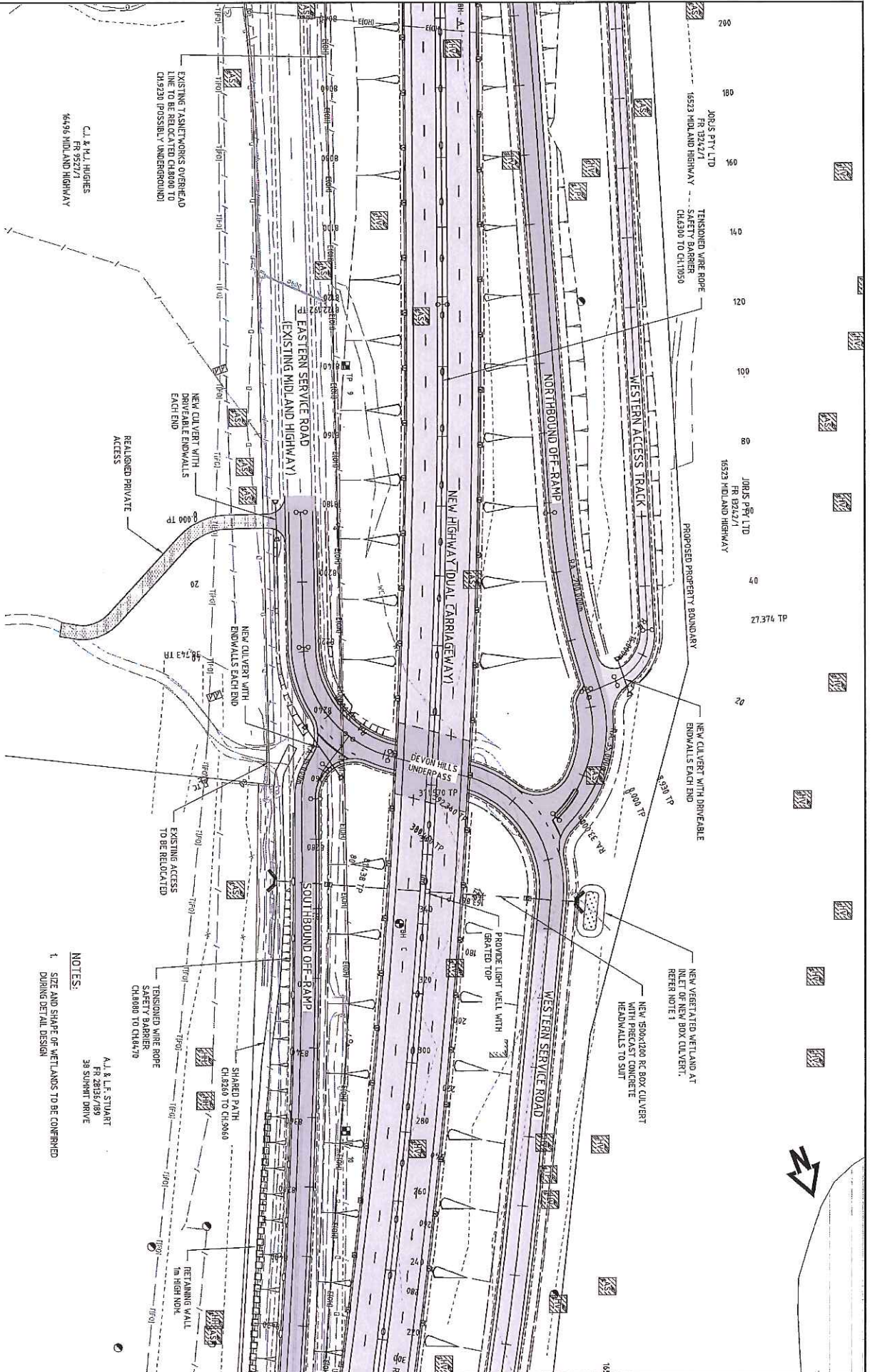
C	DA SUBMISSION	K.M.	07/02/2016
B	DP/PT DA SUBMISSION	K.B.*	26/04/2016
A	PRELIMINARY DESIGN ISSUE	K.B.*	16/02/2016
No.	Amendment Description	Initials	Date

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Department of State Growth
MIDLAND HIGHWAY (A0087)
PERTH TO BREADALBANE DUPLICATION
GENERAL ARRANGEMENT PLAN - SHEET 7

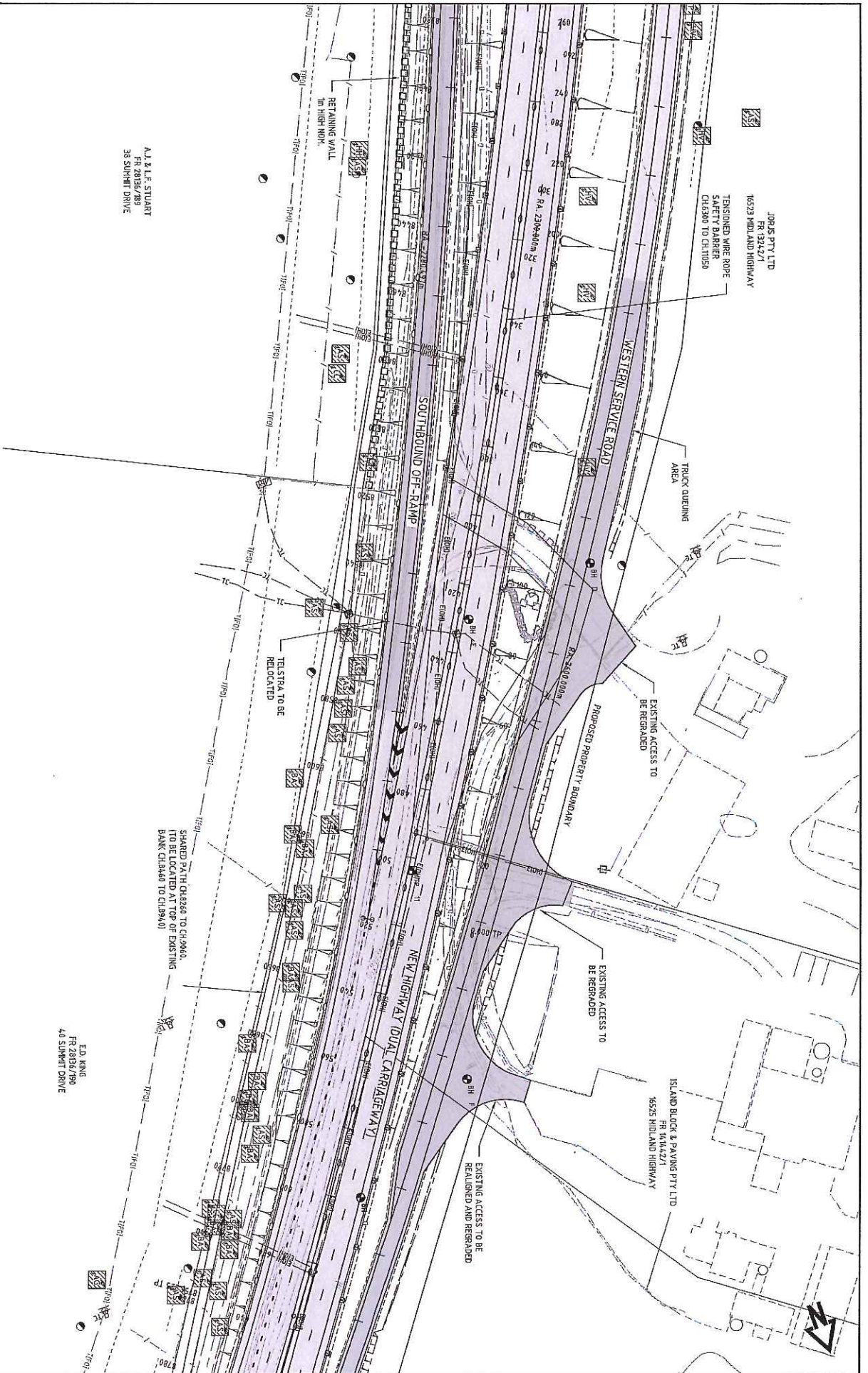
CONTRACT No. ...
DRAWING ...
PRINTED DATE ...
REGISTRATION NUMBER
A0087.026
SHEET No.
0047
REVISION C



<p>Department of State Growth MIDLAND HIGHWAY (K0087) PERTH TO BREADALBAINE DUPLICATION</p>		<p>CONTRACT No. 32-17265-CH1_C08A-ANG</p>		<p>DRAWING REGISTRATION NUMBER A0087.026</p>													
<p>DESIGNED C.MOITY</p>		<p>PRINTED DATE 07-Aug-15, 6:08 PM</p>		<p>SHEET No. 0048</p>													
<p>REVIEWED [Signature]</p>		<p>GENERAL ARRANGEMENT PLAN - SHEET 8</p>		<p>REVISION C</p>													
<p>As original This sheet may be prepared using colour and may be reproduced if copied</p>		<p>SCALES</p> <p>0 10 20 30 40 50</p> <p>SCALE 1:1000</p> <p>Co-ordinate System: MGA Zone 55</p> <p>Height Datum: A.H.D.</p>		<p>NO. DESCRIPTION</p> <table border="1"> <tr> <td>A</td> <td>PRELIMINARY DESIGN ISSUE</td> <td>K.S.</td> <td>24.08.2015</td> </tr> <tr> <td>B</td> <td>DESIGN SUBMISSION</td> <td>K.S.</td> <td>24.08.2015</td> </tr> <tr> <td>C</td> <td>EA SUBMISSION</td> <td>K.S.</td> <td>07.08.2016</td> </tr> </table>		A	PRELIMINARY DESIGN ISSUE	K.S.	24.08.2015	B	DESIGN SUBMISSION	K.S.	24.08.2015	C	EA SUBMISSION	K.S.	07.08.2016
A	PRELIMINARY DESIGN ISSUE	K.S.	24.08.2015														
B	DESIGN SUBMISSION	K.S.	24.08.2015														
C	EA SUBMISSION	K.S.	07.08.2016														

NOTES:
 1. SITE AND SHAPE OF WETLANDS TO BE CONFIRMED DURING DETAIL DESIGN

A.I. & L.F. STUART
 FR 2836/789
 38 SUDBURY DRIVE

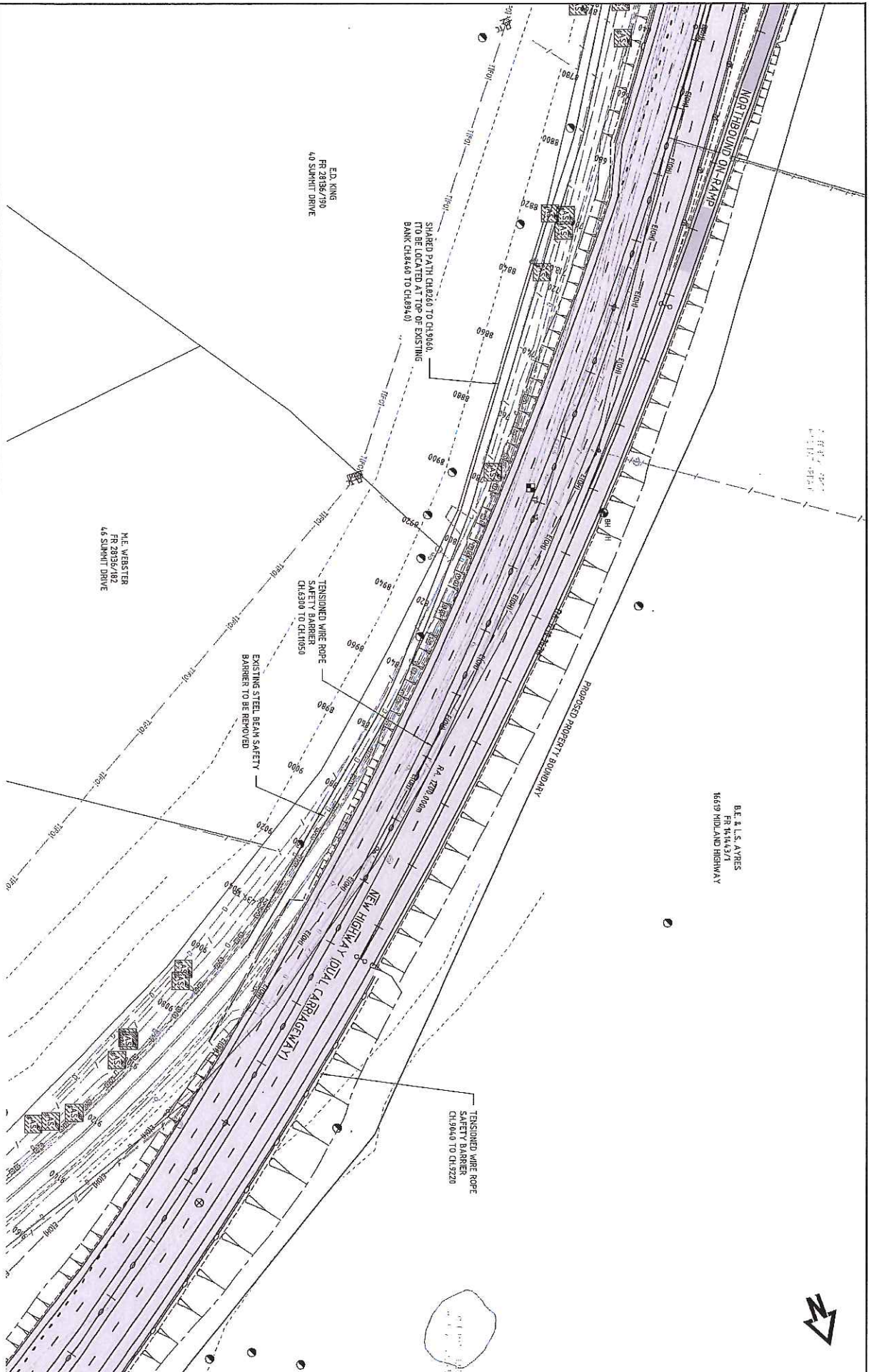


A.I. & L.F. STUART
FR 28136/789
38 SUMMIT DRIVE

E.D. KING
FR 28136/790
410 SUMMIT DRIVE

SHARED PATH CH.4320 TO CH.4360.
(TO BE LOCATED AT TOP OF EXISTING
BANK CH.1844 TO CH.1894.0)

<p>Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION</p>		<p>CONTRACT No. 32/17329/C041_C038.LMG</p>		<p>DRAWING PRINTED DATE 07-AUG-15 5:08 PM</p>		<p>SHEET No. 0049</p>	
<p>GENERAL ARRANGEMENT PLAN - SHEET 9</p>		<p>REVISION NUMBER A0087.026</p>		<p>REVISION C</p>		<p>DESIGNED BY: C.MOITY REVIEWED BY: [Signature]</p>	
<p>SCALES 0 10 20 30 40 50 SCALE 1:1000 Coordinate System: MGA Zone 55 Height Datum: A.M.D.</p>		<p>LOGO: GHD, Department of State Growth</p>		<p>AS ORIGINAL: This sheet may be printed using colour and may be incomplete if copied</p>		<p>NO. 0049 DESCRIPTION: Amendment Design Issue DATE: 16/03/2015 STATUS: DMS</p>	
<p>NO. 0049 DESCRIPTION: Amendment Design Issue DATE: 16/03/2015 STATUS: DMS</p>		<p>NO. 0049 DESCRIPTION: Amendment Design Issue DATE: 16/03/2015 STATUS: DMS</p>		<p>NO. 0049 DESCRIPTION: Amendment Design Issue DATE: 16/03/2015 STATUS: DMS</p>		<p>NO. 0049 DESCRIPTION: Amendment Design Issue DATE: 16/03/2015 STATUS: DMS</p>	



<p>Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION GENERAL ARRANGEMENT PLAN - SHEET 10</p>		<p>CONTRACT No. 30-17292-C041 COB-LMB</p>		<p>DRAWING REGISTRATION NUMBER A0087.026</p>		<p>PRINTED DATE 07 Aug 15 5:09 PM</p>		<p>SHEET No. 0050</p>	
<p>DESIGNED: C.MOONEY REVIEWED:</p>		<p>CDHD TRANSPORT DEPARTMENT</p>		<p>SCALE: 1:1000 Coordinate System: MGA Zone 55 Height Datum: A.H.D.</p>		<p>0 10 20 30 40 50 METRES</p>		<p>NO. 01 DATE 15/03/2015 INITIALS</p>	
<p>Amendment Description</p>		<p>Amendment No.</p>		<p>Amendment Date</p>		<p>Amendment Initials</p>		<p>Amendment Description</p>	
<p>A PRELIMINARY DESIGN ISSUE</p>		<p>K.B.</p>		<p>24/03/2015</p>		<p>K.B.</p>		<p>24/03/2015</p>	
<p>B PROJECT DESIGN SUBMISSION</p>		<p>K.B.</p>		<p>07/03/2015</p>		<p>K.B.</p>		<p>07/03/2015</p>	
<p>C DESIGN SUBMISSION</p>		<p>K.B.</p>		<p>07/03/2015</p>		<p>K.B.</p>		<p>07/03/2015</p>	

ED KING
 FR 2836/130
 40 SUMMIT DRIVE

MR WEBSTER
 FR 2835/182
 46 SUMMIT DRIVE

BE & L.S. AYRES
 FR 14143/1
 16579 MIDLAND HIGHWAY

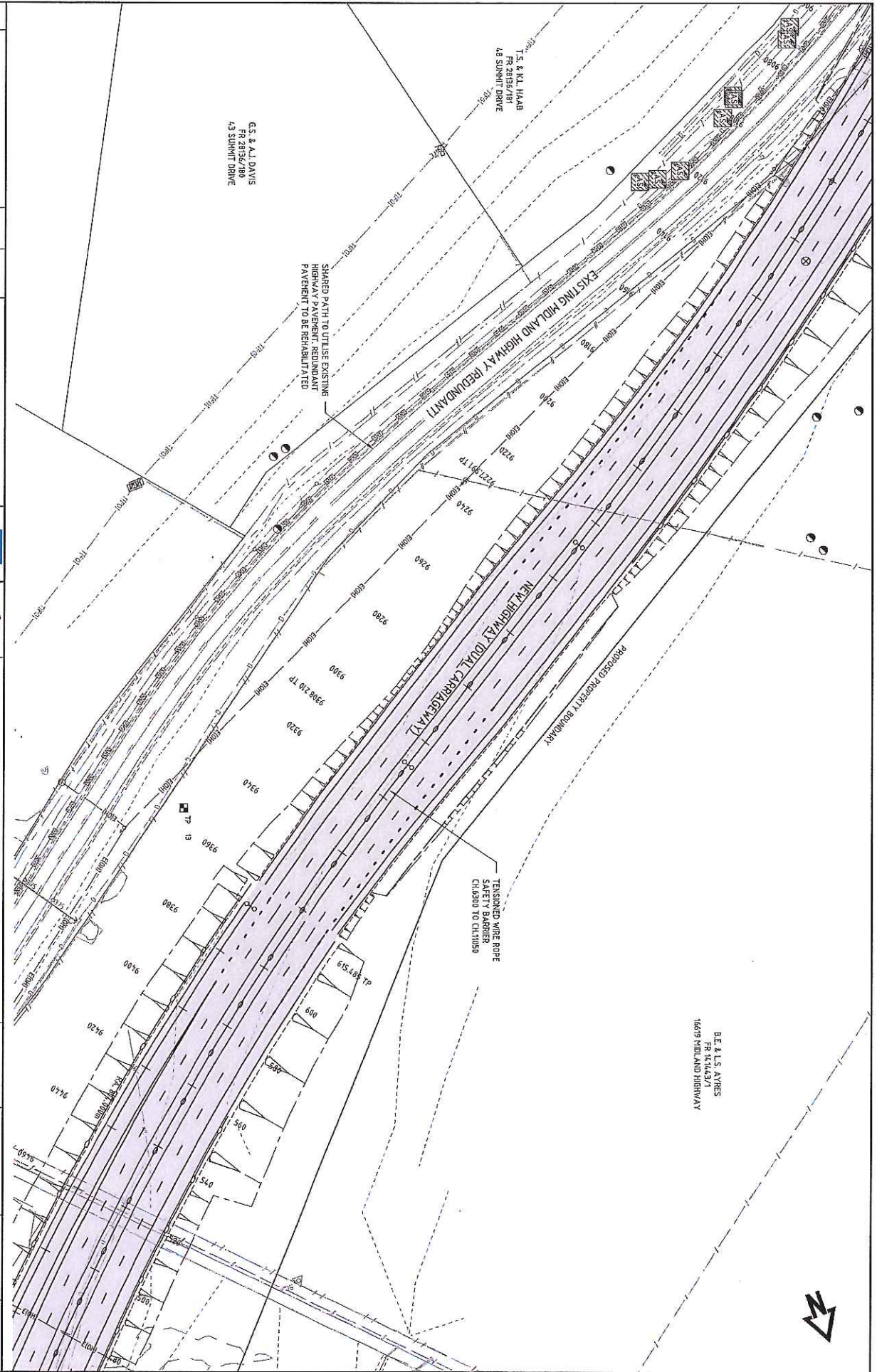
SHARED PATH CH8260 TO CH9160,
 TO BE LOCATED AT TOP OF EXISTING
 BANK CH8460 TO CH8940

TENSIONED WIRE ROPE
 SAFETY BARRIER
 CH.6300 TO CH.10650

EXISTING STEEL BEAM SAFETY
 BARRIER TO BE REMOVED

TENSIONED WIRE ROPE
 SAFETY BARRIER
 CH.9040 TO CH.9220



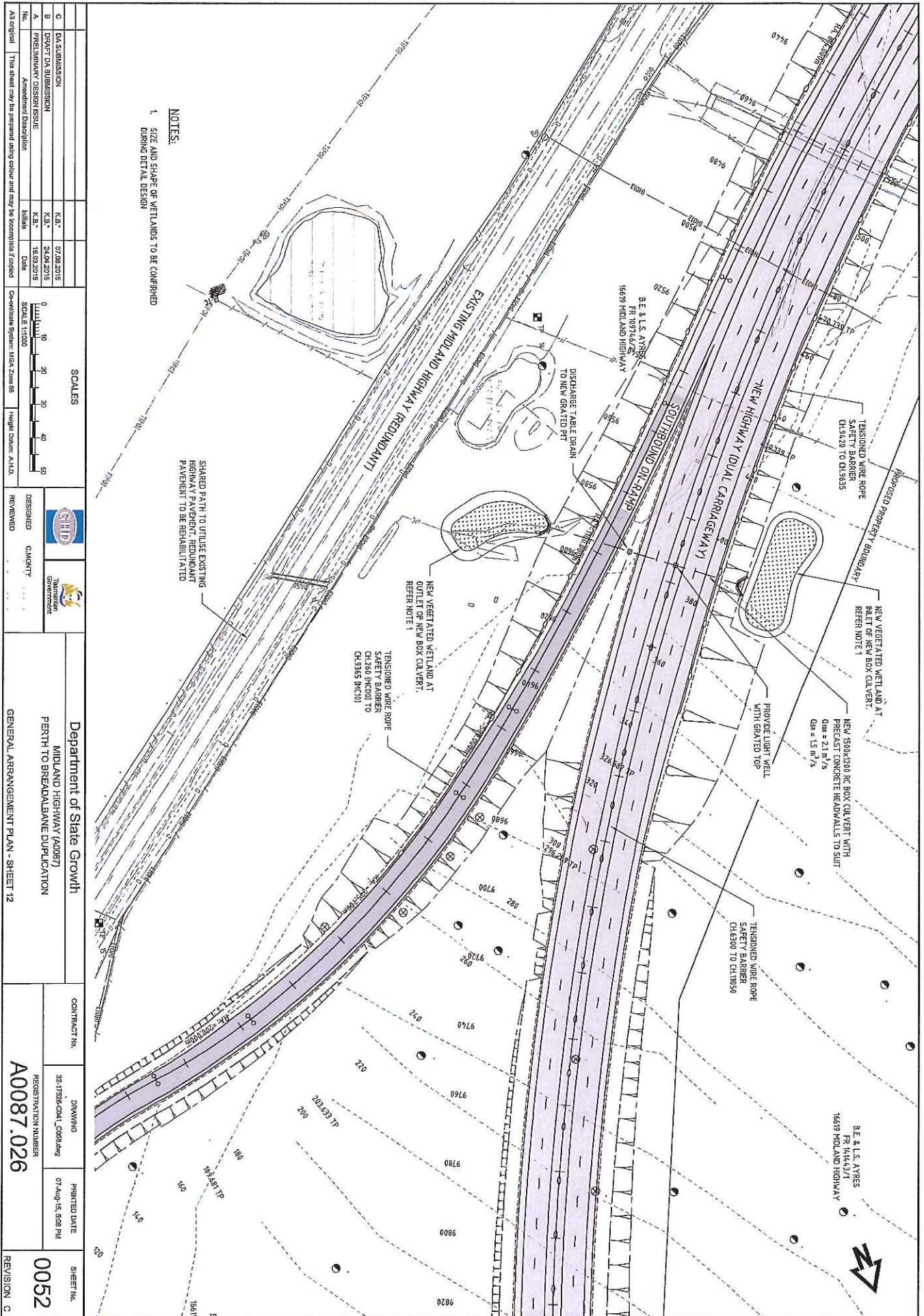


No. A3 original Amendment Description This sheet may be prepared using other and may be incompatible if copied	C	DA SUBMISSION	K.B.	07/03/2015	SCALES 0 10 20 30 40 50 0 10 20 30 40 50 SCALE 1:1000 Coordinate System: MGA Zone 55 Height Datum: A.H.D.	DESIGNED CAPACITY	Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION GENERAL ARRANGEMENT PLAN - SHEET 11	CONTRACT No.	DRAWING	PRINTED DATE	SHEET No.
	B	DRAFT DA SUBMISSION	K.B.	24/03/2015				302-17328-COM-1-CORR040	07-Aug-15, 6:08 PM	REGISTRATION NUMBER A0087.026	REVISION C 0051
	A	PRELIMINARY DESIGN ISSUE	K.B.	18/03/2015				302-17328-COM-1-CORR040	07-Aug-15, 6:08 PM		

G.S. & A.J. DAVIS
FR 28364/180
43 SUMMIT DRIVE

T.S. & K.L. HAAB
151 SUMMIT DRIVE
48 SUMMIT DRIVE

B.E. & L.S. AYRES
FR 14,143/1
1607 MIDLAND HIGHWAY



NOTES:
 1. SIZE AND SHAPE OF WETLANDS TO BE CONFIRMED DURING DETAIL DESIGN

SCALES

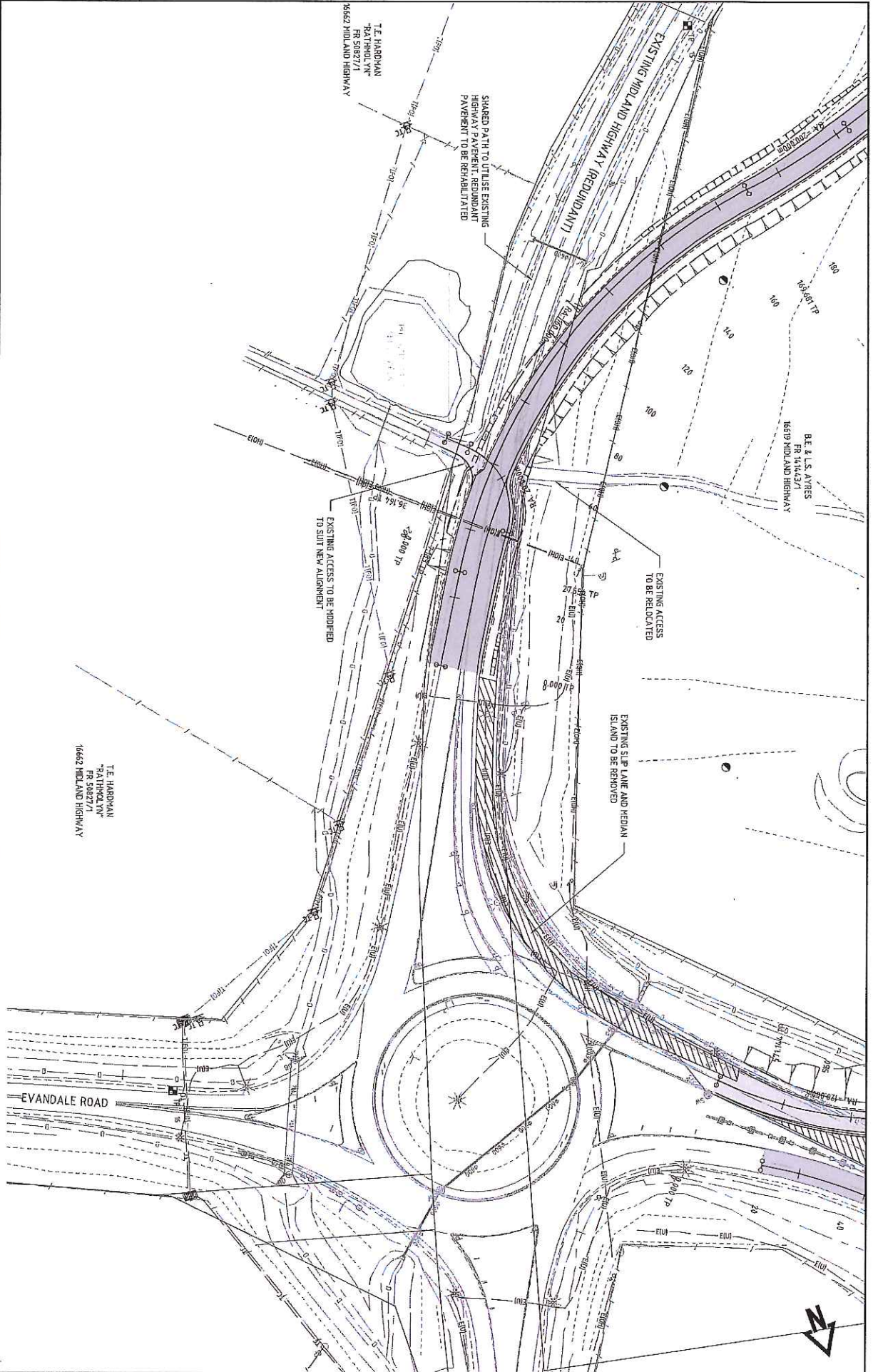


No.	Amendment Description	Initials	Date
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B	DRAWING SUBMISSION	K.B.T.	24/08/2015
A	PRELIMINARY DESIGN ISSUE	K.B.T.	16/02/2015

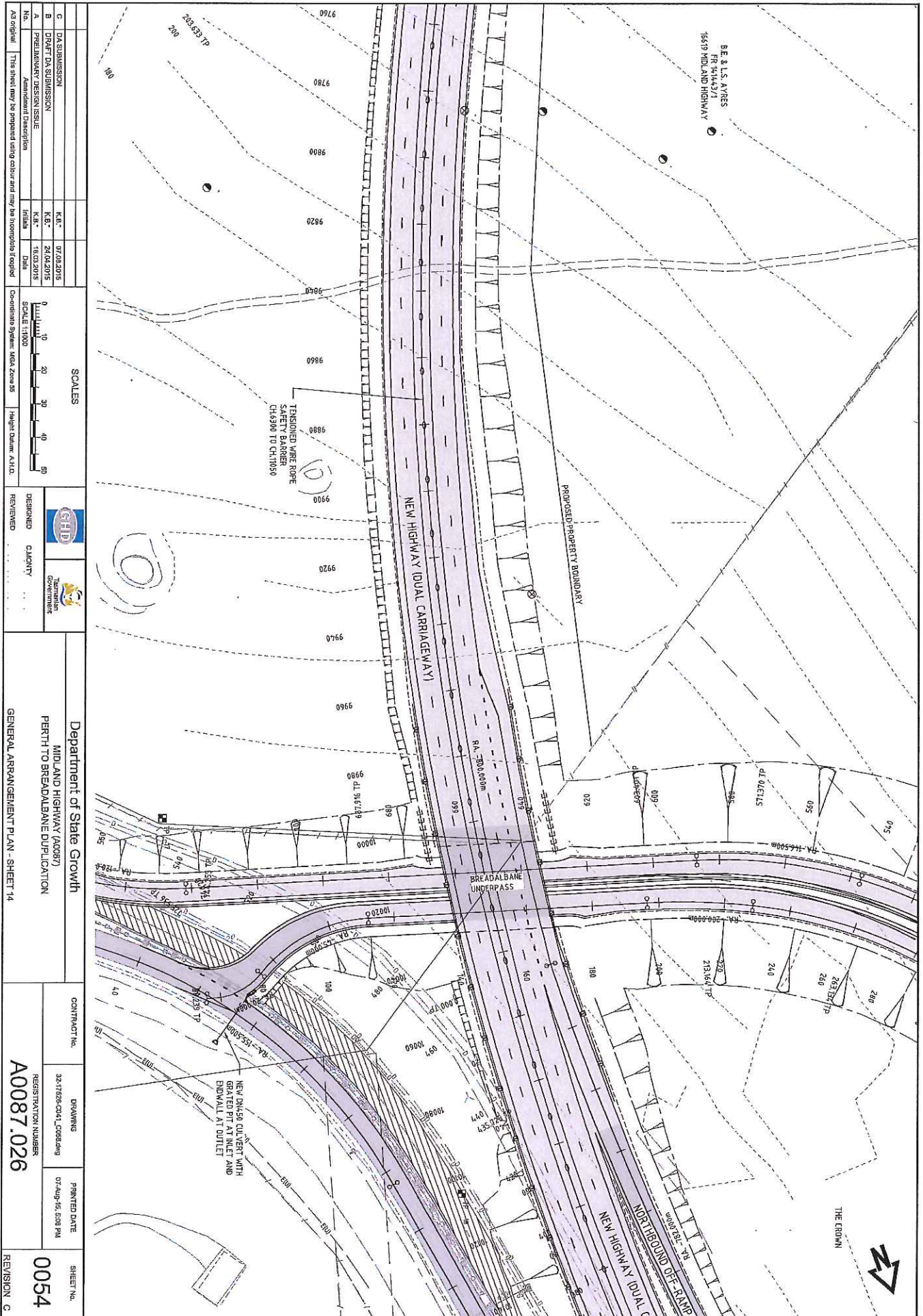
Department of State Growth
 MIDLAND HIGHWAY (A0087)
 PERTH TO BREADALBAINE DUPLICATION

GENERAL ARRANGEMENT PLAN - SHEET 12

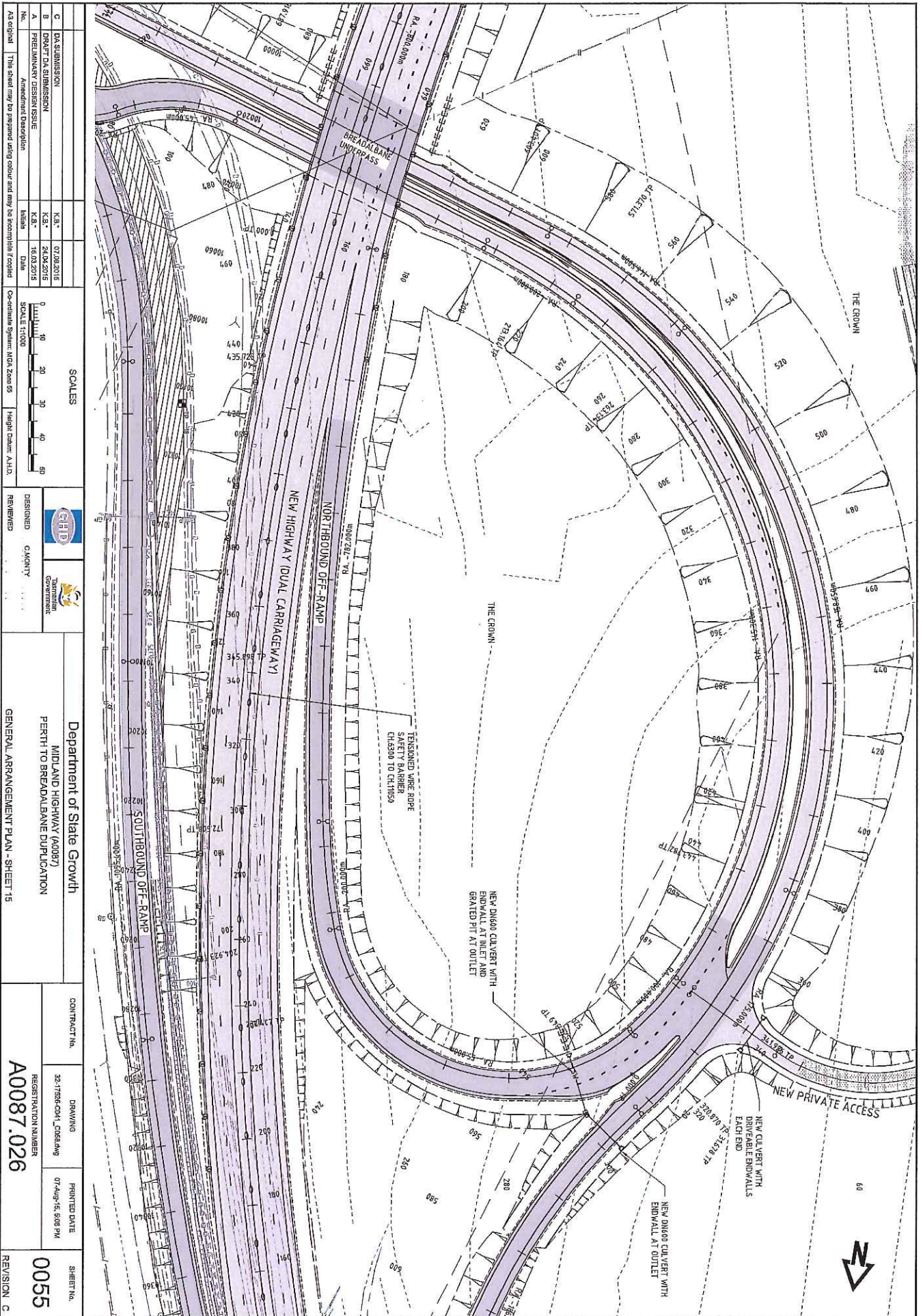
CONTRACT No.	DRAWING	PRINTED DATE	SHEET No.
	32-1726-COM-1_C088.dwg	07-Aug-15 8:08 PM	0052
	REGISTRATION NUMBER		REVISION C
	A0087.026		



<p>Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBAINE DUPLICATION</p>		<p>CONTRACT No. 32-1728-0241, Consulting</p>		<p>DRAWINGS</p>		<p>PRINTED DATE 07-Aug-15, 5:08 PM</p>		<p>SHEET No.</p>	
<p>GENERAL ARRANGEMENT PLAN - SHEET 13</p>		<p>REGISTRATION NUMBER A0087.026</p>		<p>REVISION C</p>		<p>0053</p>		<p>REVISION C</p>	
<p>DESIGNED CAMOBY</p>		<p>REVIEWED</p>		<p>SCALES</p>		<p>0 10 20 30 40 50 SCALE 1:1000</p>		<p>CP-ordinate System, AGA Zone 55 Height Datum: A.H.D.</p>	
<p>AS/Original</p>		<p>Amendment Description</p>		<p>Issue</p>		<p>Date</p>		<p>CS-ordinate System, AGA Zone 55 Height Datum: A.H.D.</p>	
<p>A</p>		<p>PRELIMINARY DESIGN ISSUE</p>		<p>K.S.B.</p>		<p>16/03/2015</p>		<p>16662 MIDLAND HIGHWAY</p>	
<p>B</p>		<p>DESIGN/DA SUBMISSION</p>		<p>K.S.B.</p>		<p>23/03/2015</p>		<p>16662 MIDLAND HIGHWAY</p>	
<p>C</p>		<p>DA SUBMISSION</p>		<p>K.S.B.</p>		<p>07/02/2015</p>		<p>16662 MIDLAND HIGHWAY</p>	



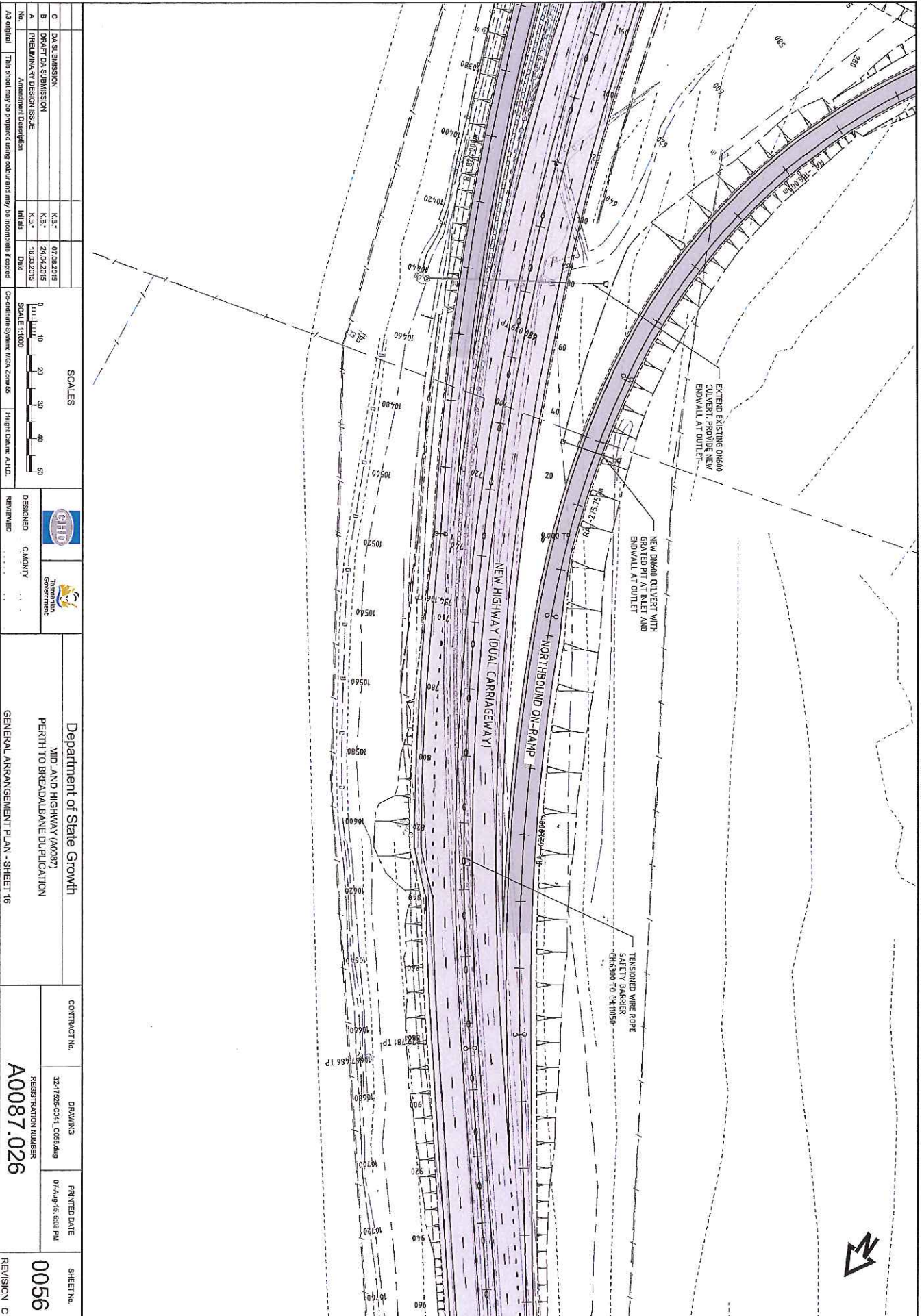
<p>Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION GENERAL ARRANGEMENT PLAN - SHEET 14</p>		<p>CONTRACT No. DRAWINGS PRINTED DATE SHEET No.</p>	
<p>DESIGNED BY: GHD CHECKED BY: GHD REVIEWED BY: GHD</p>		<p>32-17282-C041_C082.dwg 07-Aug-16, 5:08 PM 0054</p>	
<p>SCALE 1:1000 Horizontal Scale: 1:1000 Vertical Scale: 1:1000</p>		<p>REGISTRATION NUMBER: A0087.026 REVISION: C</p>	
<p>AS ORIGINAL: This sheet may be prepared using colour and may be incomplete if copied.</p>		<p>DATE: 16.03.2015</p>	
<p>NO. 1</p>		<p>DATE: 16.03.2015</p>	
<p>DESCRIPTION: AMENDMENT DESIGN ISSUE</p>		<p>DATE: 16.03.2015</p>	
<p>NO. 2</p>		<p>DATE: 16.03.2015</p>	
<p>DESCRIPTION: DRAFT DA SUBMISSION</p>		<p>DATE: 16.03.2015</p>	
<p>NO. 3</p>		<p>DATE: 16.03.2015</p>	
<p>DESCRIPTION: DA SUBMISSION</p>		<p>DATE: 16.03.2015</p>	
<p>NO. 4</p>		<p>DATE: 16.03.2015</p>	



SCALES			
C	AS SUBMISSION	K3.5	07.08.2016
B	DESIGN AS SUBMISSION	K3.5	28.04.2015
A	PRELIMINARY DESIGN ISSUE	K3.5	16.03.2015
No.	Amendment Description	Issue	Date
As original	This sheet may be prepared using colour and may be incompatible if copied		

DESIGNED: G. MOHITY
 REVIEWED:

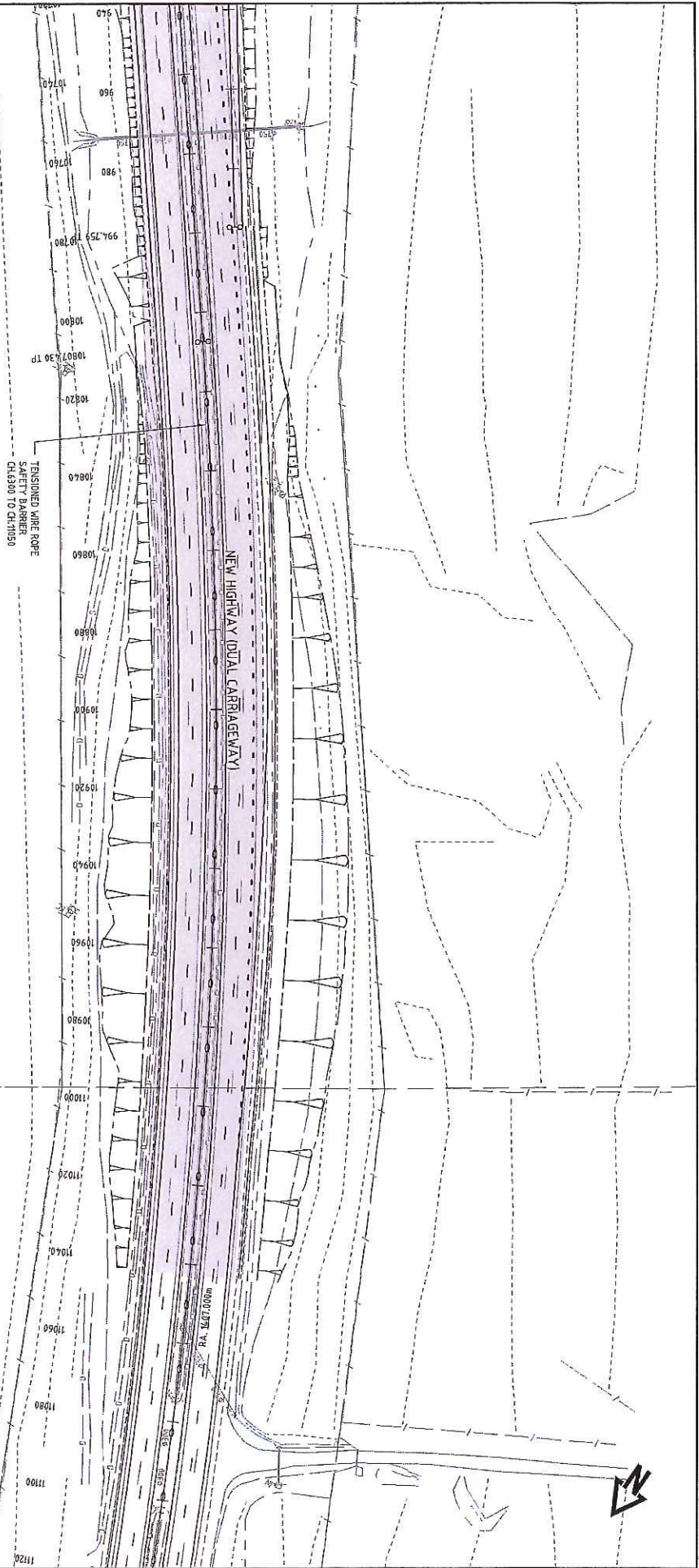
Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREDALEANE DUPLICATION		CONTRACT No. 32-1756-COM_C0684MG	DRAWING 07-Aug-16, 5:08 PM	SHEET No. 0055
GENERAL ARRANGEMENT PLAN - SHEET 15		REGISTRATION NUMBER A0087.026	PRINTED DATE	REVISION C



<p>SCALES</p> <p>0 10 20 30 40 50</p> <p>SCALE 1:1000</p> <p>Co-ordinate System: WGA Zone 55</p> <p>Height Datum: A.H.D.</p>	
<p>DESIGNED</p> <p>REVIEWED</p>	<p>DESIGNED</p> <p>REVIEWED</p>

Department of State Growth
 MIDLAND HIGHWAY (A0087)
 PERTH TO BREADALBANE DUPLICATION
 GENERAL ARRANGEMENT PLAN - SHEET 16

<p>CONTRACT No.</p> <p>DRAWING</p> <p>PRINTED DATE</p> <p>SHEET No.</p>	<p>32/17325/041_C058.dwg</p> <p>07/Aug/15, 5:08 PM</p> <p>0056</p>
<p>REGISTRATION NUMBER</p> <p>REVISION</p>	<p>A0087.026</p> <p>C</p>

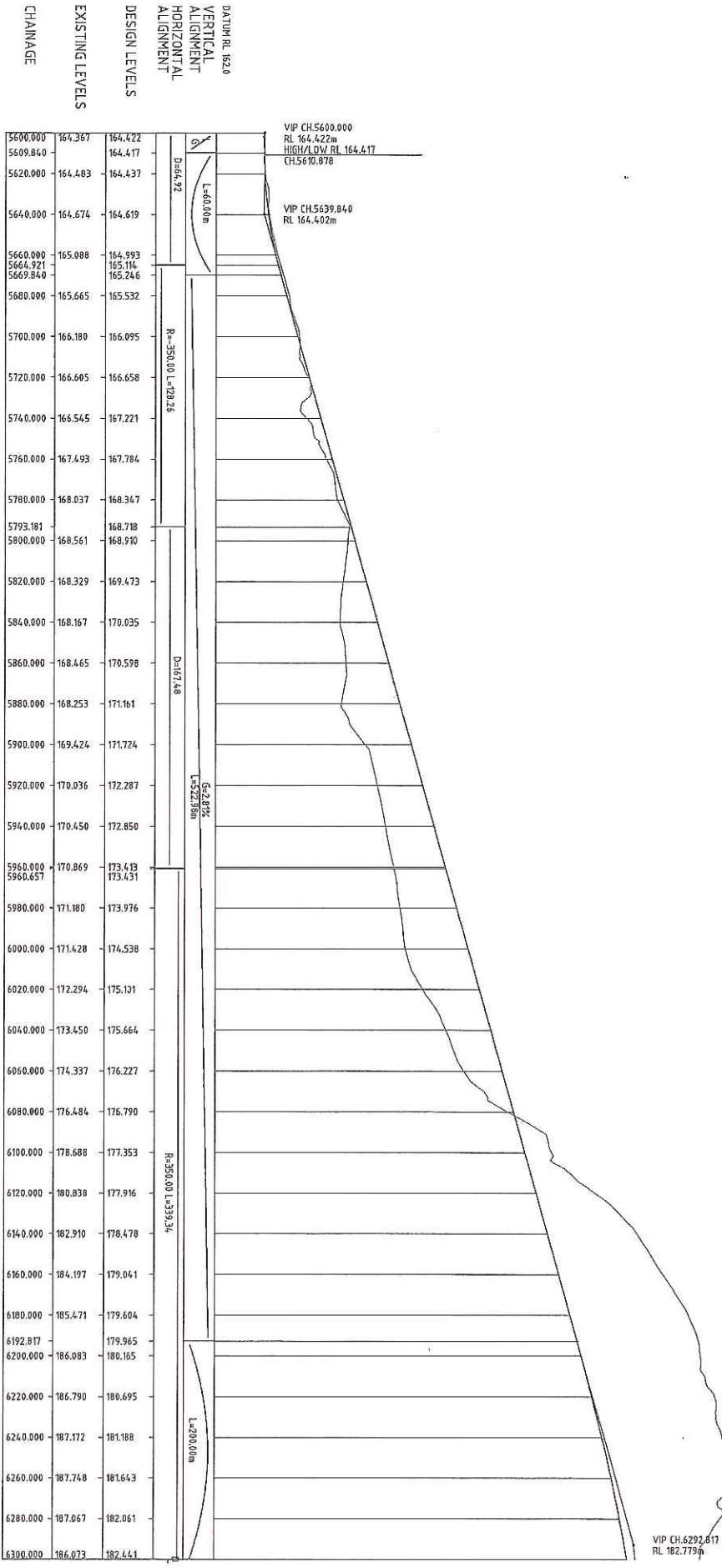


<p>AD original This sheet may be prepared using colour and may be non-plotable if copied</p>		<p>Amendment Description</p>		<p>Revision</p>	
No.	Amendment Description	Rev.	Date	<p>Revision</p>	
A	PRELIMINARY DESIGN ISSUE	K.S.T.	16.03.2015	<p>DESIGNED</p>	
B	DRAFT DA SUBMISSION	K.S.T.	21.03.2015	<p>DESIGNED</p>	
C	DA SUBMISSION	K.S.T.	07.03.2015	<p>DESIGNED</p>	

<p>SCALES</p>	
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<p>SCALE 1:1000</p>	<p>Co-ordinate System: Mea Zone 55</p>
<p>Height Datum: A.H.D.</p>	

<p>Department of State Growth</p>	
<p>MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION</p>	
<p>GENERAL ARRANGEMENT PLAN - SHEET 17</p>	

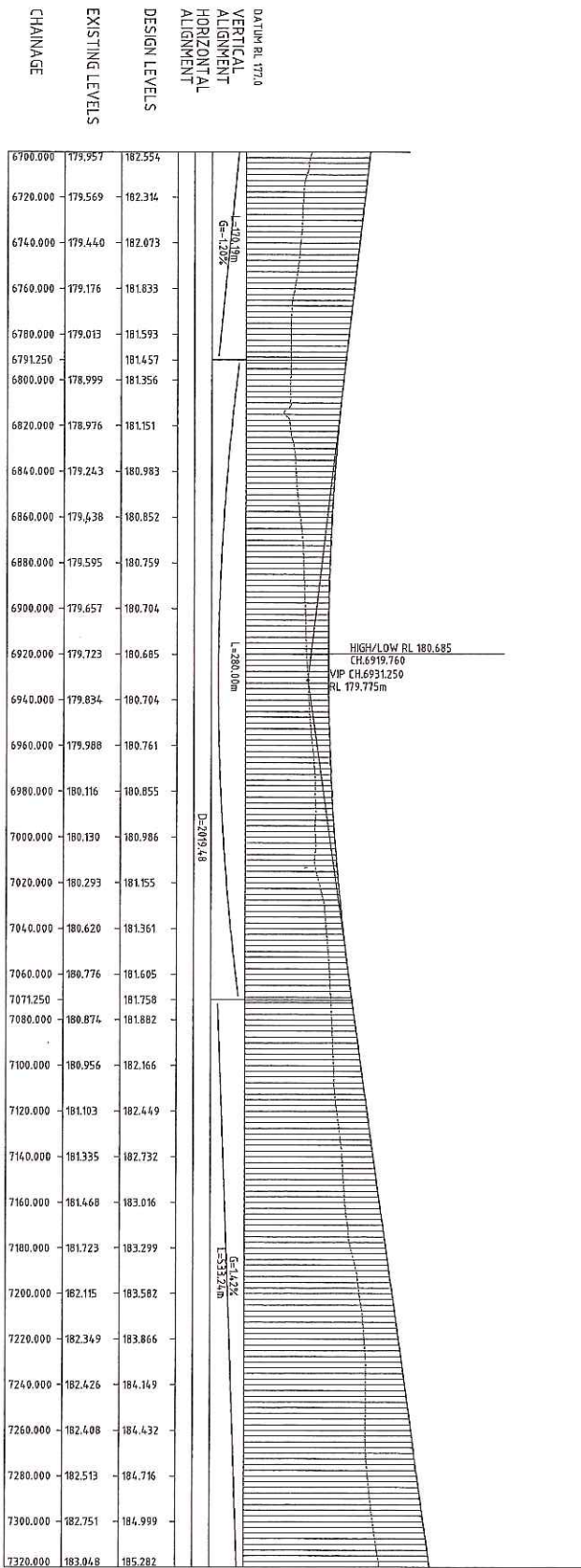
<p>CONTRACT No.</p>	<p>DRAWING</p>	<p>PRINTED DATE</p>	<p>SHEET No.</p>
<p>321725-CM1_0058.dwg</p>	<p>A0087.026</p>	<p>07-Aug-15, 5:08 PM</p>	<p>0057</p>
<p>REGISTRATION NUMBER</p>		<p>REVISION C</p>	



LONGITUDINAL SECTION (MCO)

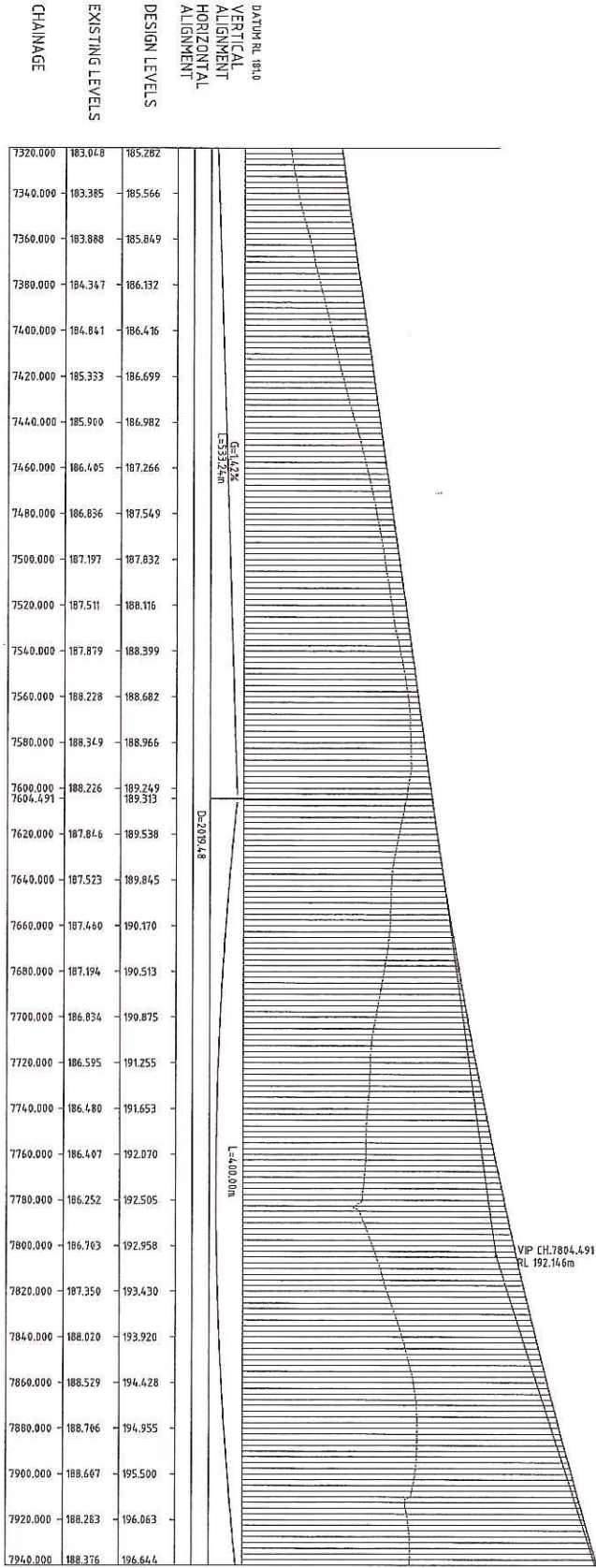
SCALE 1:2000 HORIZ 1:200 VERT

<p>Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREVALBAVE DUPLICATION</p>		<p>CONTRACT No.</p>	
<p>LONGITUDINAL SECTION NEW HIGHWAY DUPLICATION (MCO) - CH 5600 TO CH 6300</p>		<p>DRAWING 32-1726-C01.dwg</p>	
<p>DESIGNED CLIENT</p>		<p>PRINTED DATE 07-AUG-15 5:08 PM</p>	
<p>REVIEWED</p>		<p>REGISTRATION NUMBER A0087.026</p>	
<p>SCALES 0 2 4 6 8 10 0 20 40 60 80 VERT. HORIZ.</p>		<p>SHEET No. 0060</p>	
<p>Amendment Description No. 1 A PRELIMINARY DESIGN ISSUE K.S. 16.03.2015</p>		<p>REVISION B</p>	
<p>As Original This sheet may be prepared using colour and may be incomplete if copied</p>		<p>Revision B</p>	



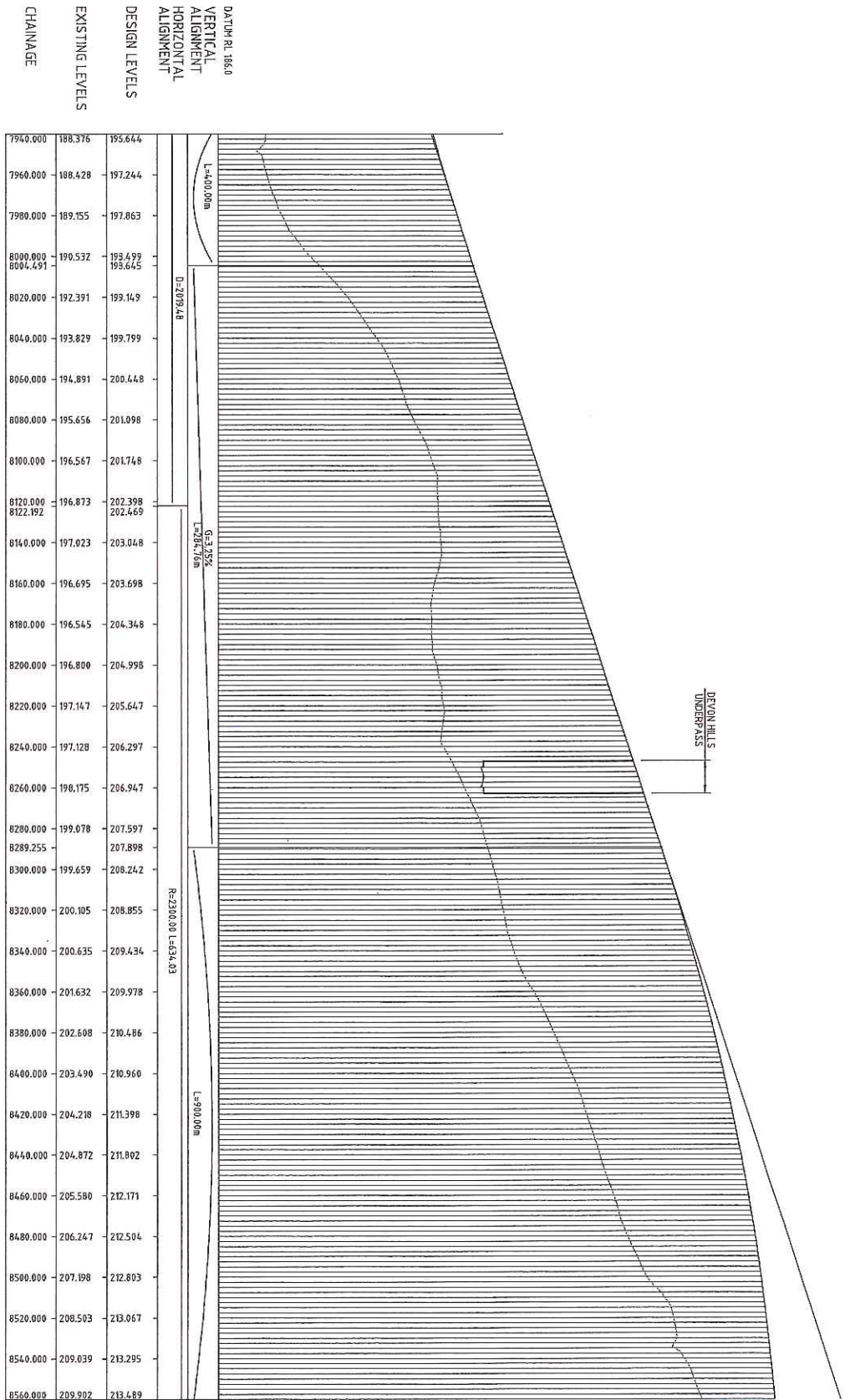
LONGITUDINAL SECTION (MCI10)
SCALE 1:2000 HORIZ 1:200 VERT

Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREVADABANE DUPLICATION LONGITUDINAL SECTION NEW HIGHWAY DUPLICATION (MCI10) - CH.6080 TO CH.6700		CONTRACT No. 32-17200-001_C006A.MG	DRAWING 07-AUG-15_5:08 PM	PRINTED DATE 07-AUG-15_5:08 PM	SHEET No. 0061
DA SUBMISSION PRELIMINARY DESIGN ISSUE	K13 - K13 - 16.03.2015	DESIGNED CAMONTY	REVIEWED	SCALES 0 2 4 6 8 VERT. 0 20 40 60 80 HORIZ.	REVISION B
No.	Amendment Description	Co-ordinate System: MGA Zone 55	Height Datum: AHD.	AS original	This sheet may be prepared using colour and may be incompatible if copied



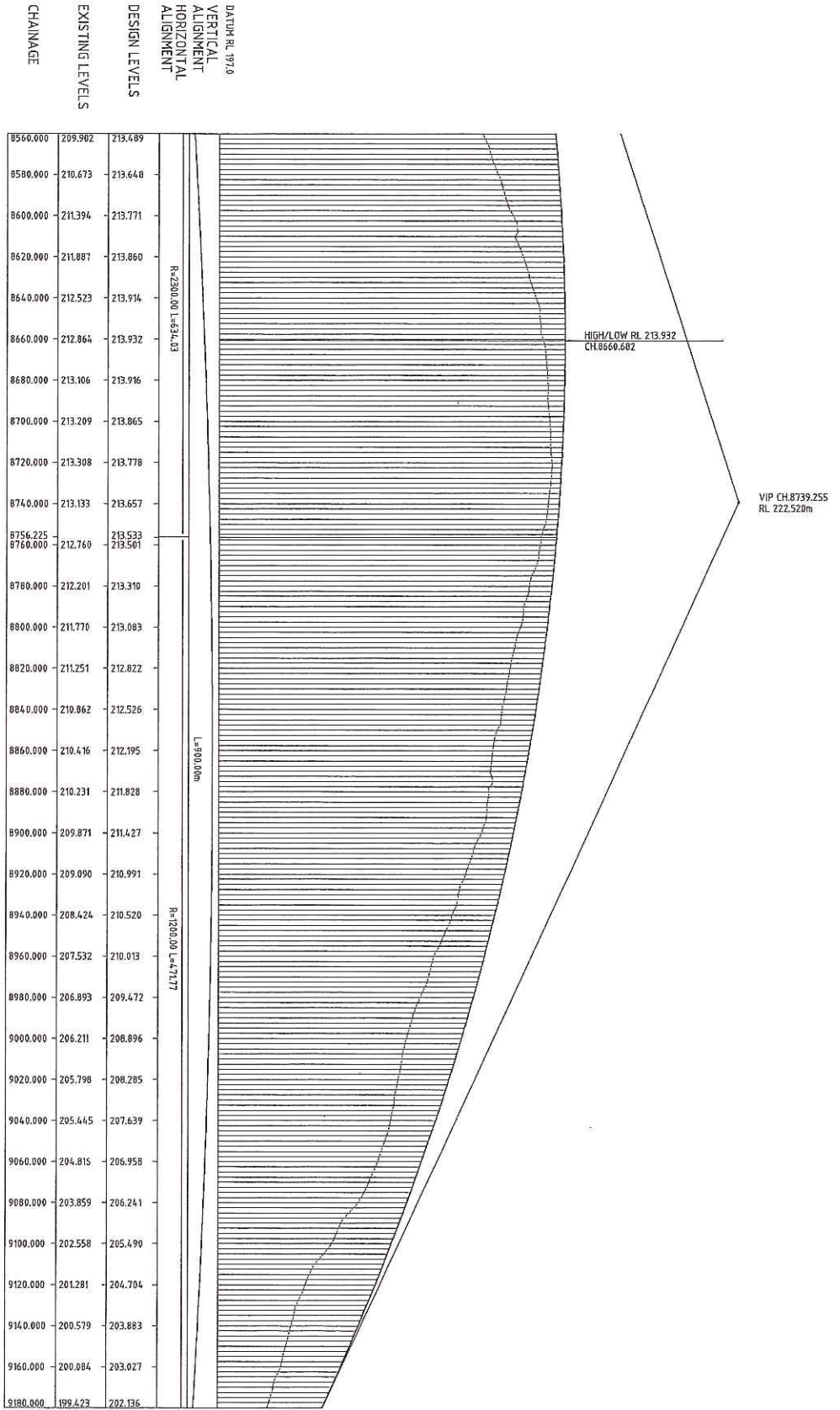
LONGITUDINAL SECTION (MC10)
SCALE 1:2000 HORIZ 1:200 VERT

DATUM RL 101.0 VERTICAL ALIGNMENT HORIZONTAL ALIGNMENT	
DESIGN LEVELS	
EXISTING LEVELS	
CHANGAGE	
SCALES 0 2 4 6 8 9 0 10 20 40 60 80 90 VERT. HORIZ.	
No. 1 Amendment Description PRELIMINARY DESIGN ISSUE	Date 07/08/2015 Date 16/03/2015
Co-ordinate System: Aodk Zone 55 Height Datum: A.H.D.	
Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION LONGITUDINAL SECTION NEW HIGHWAY DUPLICATION (MC10) - CH6700 TO CH7320	
CONTRACT No. 324726-CON1_C088A.MW DRAWING REGISTRATION NUMBER A0087.026	PRINTED DATE 07-Aug-15, 5:08 PM SHEET No. 0062 REVISION B



LONGITUDINAL SECTION (MC101)
SCALE 1:2000 HORIZ 1:200 VERT

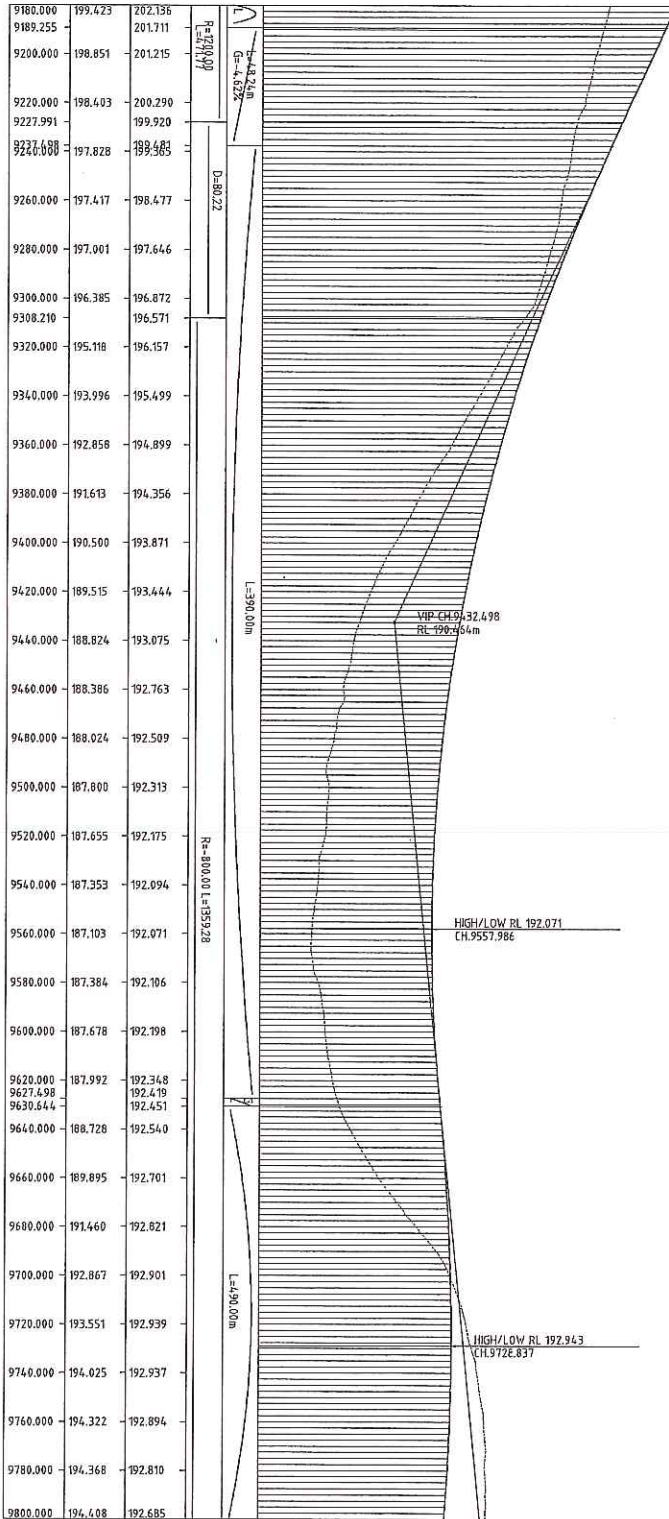
No. As original This sheet may be prepared using colour and may be incomplete if copied		No. Amendments Description K.B. 07/02/2015 K.B. 16/02/2015 DBH		Co-ordinate System: MGA Zone 55 Height Datum: A.H.D.		DESIGNED CAMOBY		REVIEWED		Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION LONGITUDINAL SECTION NEW HIGHWAY DUPLICATION (MC101) - CH 7320 TO CH 7390		CONTRACT No. DRAWING REGISTRATION NUMBER PRINTED DATE SHEET No.	
										A0087.026 07-Aug-16, 5:58 PM 0063		REVISION B	



SCALES 0 2 4 6 8 0 20 40 60 80 VERT. HORIZ.		DESIGNED CAMOY		Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION LONGITUDINAL SECTION NEW HIGHWAY DUPLICATION (MC10) - CH 7940 TO CH 8560	
No. Amendment Description A PRELIMINARY DESIGN ISSUE B DA SUBMISSION		Co-ordinate System: MGA Zone 55 Height Datum: A.H.D.		CONTRACT No. 324726-0016_C0664mg DRAWING REGISTRATION NUMBER A0087.026	
Date: 07.03.2015 Initials: K.S.		PRINTED DATE: 07-Aug-15, 5:09 PM		SHEET No. 0064 REVISION B	

AD original This sheet may be prepared using colour and may be incomplete if copied

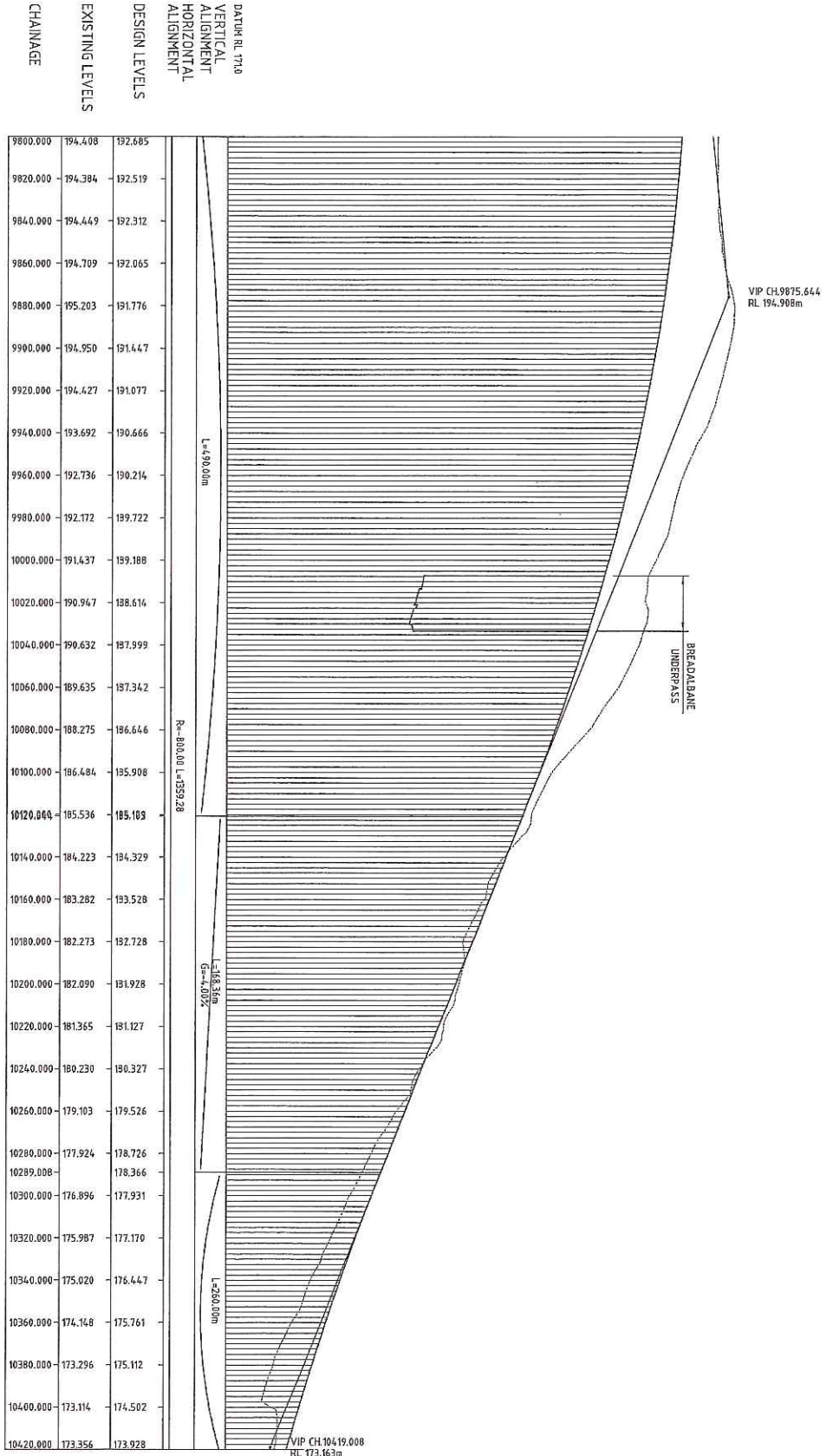
DATA: RL 195.0
 VERTICAL ALIGNMENT
 HORIZONTAL ALIGNMENT



LONGITUDINAL SECTION (MCI10)
 SCALE: 1:2000 HORIZ, 1:200 VERT

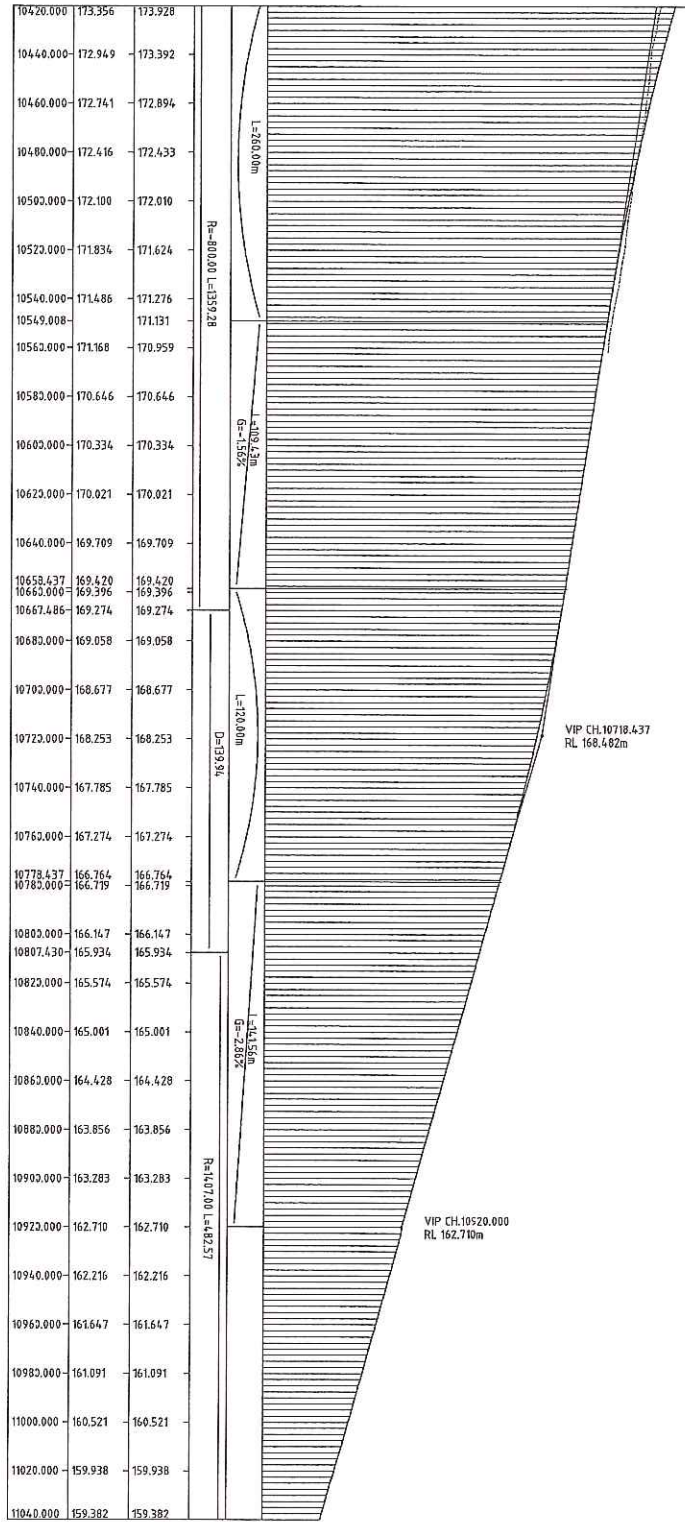
Stationing	Existing Levels	Design Levels	Change
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9189.255		201.711	
9200.000	198.851	201.215	
9220.000	198.403	200.290	
9227.991		199.920	
9229.000	197.828	199.585	
9260.000	197.417	198.477	
9280.000	197.001	197.646	
9300.000	196.385	196.872	
9308.210		196.571	
9320.000	195.118	196.157	
9340.000	193.996	195.499	
9360.000	192.858	194.899	
9380.000	191.613	194.356	
9400.000	190.500	193.871	
9420.000	189.515	193.444	
9440.000	188.824	193.075	
9460.000	188.386	192.763	
9480.000	188.024	192.509	
9500.000	187.800	192.313	
9520.000	187.655	192.175	
9540.000	187.353	192.094	
9560.000	187.103	192.071	
9580.000	187.384	192.106	
9600.000	187.678	192.198	
9620.000	187.992	192.348	
9627.498		192.419	
9630.644		192.451	
9640.000	188.728	192.540	
9660.000	189.895	192.701	
9680.000	191.460	192.821	
9700.000	192.867	192.901	
9720.000	193.551	192.939	
9740.000	194.025	192.937	
9760.000	194.322	192.894	
9780.000	194.368	192.810	
9800.000	194.408	192.685	

No. B DA SUBMISSION A PRELIMINARY DESIGN ISSUE Amendment Description No. A		K3 - 07/08/2015 K3 - 18/03/2015 Initial Date	
AS Original This sheet may be prepared using colour and may be incompatible if copied			
SCALES 0 2 4 6 8 10 0 20 40 60 80 VERT. HORIZ.		Co-ordinate System: MGA Zone 55 Height Datum: A.M.S.L.	
DESIGNED REVIEWED		C.M.C. CITY Tasmanian Government	
Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BRADDALEANE DUPLICATION LONGITUDINAL SECTION NEW HIGHWAY DUPLICATION (MCI10) - CH:6560 TO CH:9180			
CONTRACT No.	DRAWING	PRINTED DATE	SHEET No.
	32/1758-C091-CORRIDOR	07-Aug-16, 5:09 PM	0065
	REGISTRATION NUMBER		REVISION B
	A0087.026		



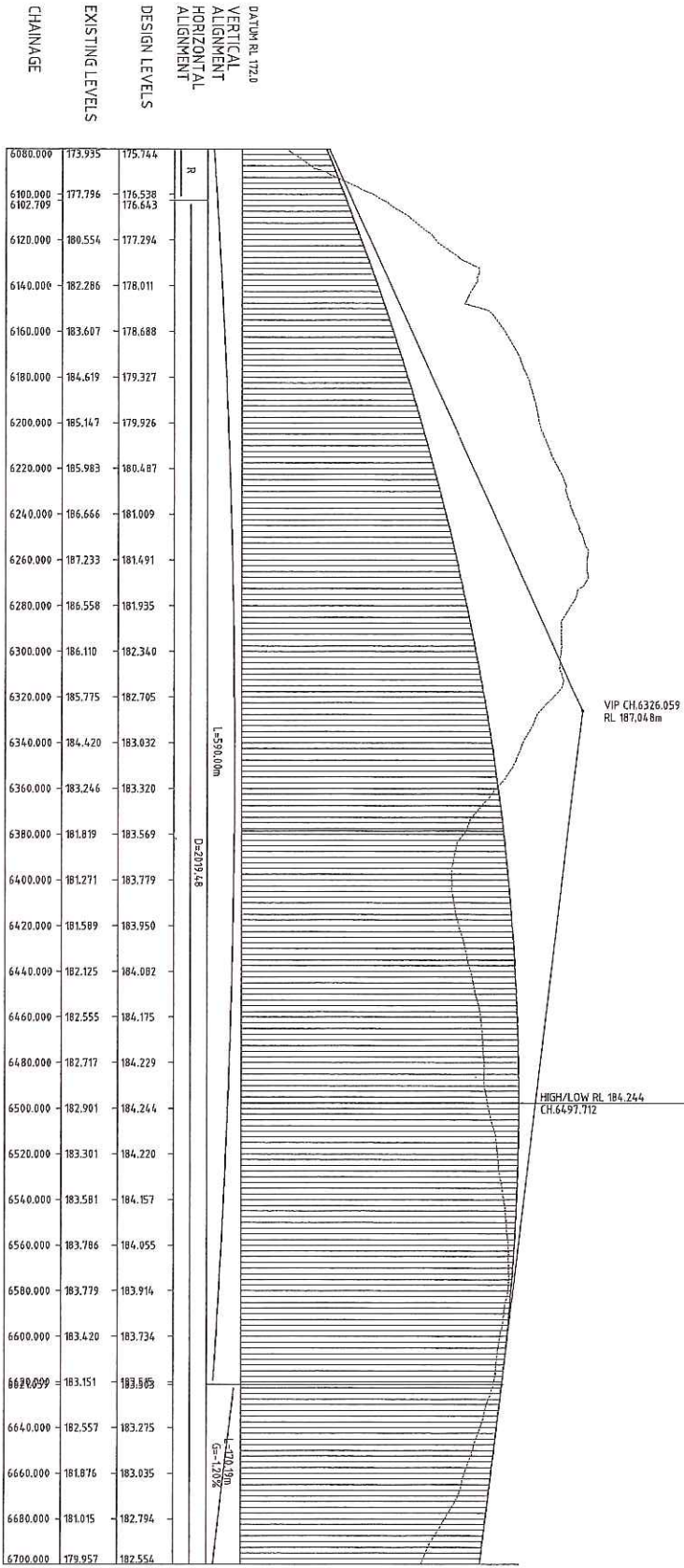
DA SUBMISSION PRELIMINARY DESIGN ISSUE		K.B.* 07/29/2018 K.B.* 16/03/2018	
Amendment Description Initials Date		Co-ordinate System: MGA Zone 55 Height Datum: A.M.D.	
DESIGNED C.M. QUITY		REVIEWED	
Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREDAALBANE DUPLICATION LONGITUDINAL SECTION NEW HIGHWAY DUPLICATION (MC10) - CH19180 TO CH48800			
CONTRACT No.	DRAWING	PRINTED DATE	SHEET No.
	32-17252-C001_C0088.dwg	07-Aug-15, 6:09 PM	0066
	REGISTRATION NUMBER		REVISION B
	A0087.026		

DATE: RL 1571.0
 VERTICAL ALIGNMENT
 HORIZONTAL ALIGNMENT
 DESIGN LEVELS
 EXISTING LEVELS
 CHANGEAGE



LONGITUDINAL SECTION (M/C10)
 SCALE 1:2000 HORIZ 1:200 VERT

Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION LONGITUDINAL SECTION NEW HIGHWAY DUPLICATION (M/C10) - CH.9800 TO CH.10420		CONTRACT No. DRAWING PRINTED DATE SHEET No.
No. 1 DA SUBMISSION PRELIMINARY DESIGN ISSUE Amendment Description K.S.C. 07.28.2016 K.S.C. 10.03.2016 D.M.	SCALES 0 2 4 6 8 10 0 20 40 60 80 VERT. HORIZ. Height Datum: A.H.D.	32-17282-CR01_C08.dwg 07-Aug-16, 6:09 PM 0067
This sheet may be prepared using colour and may be incompatible if copied Co-ordinate System: MGA Zone 55 Height Datum: A.H.D.	DESIGNED CHECKED REVIEWED CAPACITY	REGISTRATION NUMBER A0087.026 REVISION: B



NO.	DESCRIPTION	DATE	
B	DATE SUBMITTED	K.B. 07.08.2015	
A	PRELIMINARY DESIGN ISSUE	K.B. 15.03.2015	
AS ORIGINAL This sheet may be prepared using colour and may be incomplete if copied			

SCALES

0 2 4 8 16 32 64 80 VERT. HORIZ.

DESIGNED **REVIEWED**

C.MOONY

Department of State Growth

MIDLAND HIGHWAY (A0087)

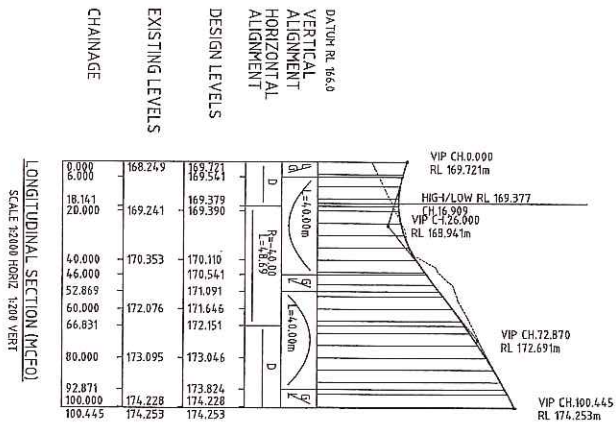
PERTH TO BREADALBANE DUPLICATION

LONGITUDINAL SECTION

NEW HIGHWAY DUPLICATION (MC10) - CH.6080 TO CH.6700

CONTRACT No.	DRAWING	PRINTED DATE
	33-1726-0261 - COMBLANG	07-AUG-15 05:08 PM
	REGISTRATION NUMBER	
	A0087.026	

SHEET No.	REVISION
0061	B



<p>Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBAINE DUPLICATION LONGITUDINAL SECTION JUNCTION TO EXISTING MIDLAND HIGHWAY (MCFD)</p>		<p>CONTRACT NO.</p>	<p>DRAWING</p>	<p>PRINTED DATE</p>	<p>SHEET NO.</p>
<p>DESIGNED BY</p>		<p>REGISTRATION NUMBER</p>		<p>07-AUG-15 5:59 PM</p>	<p>0071</p>
<p>REVIEWED BY</p>		<p>A0087.026</p>		<p>REVISION B</p>	

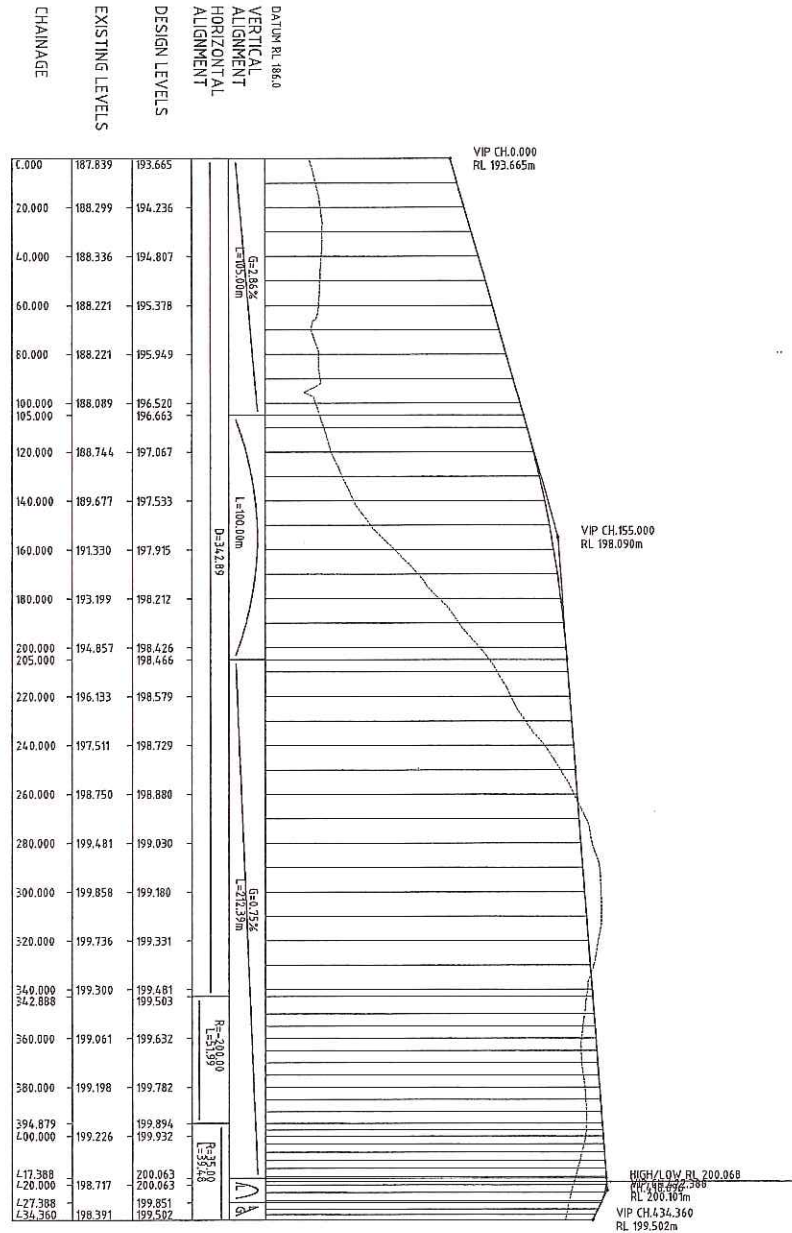
SCALES

0 2 4 6 8 10 VERT.
0 20 40 60 80 HORIZ.

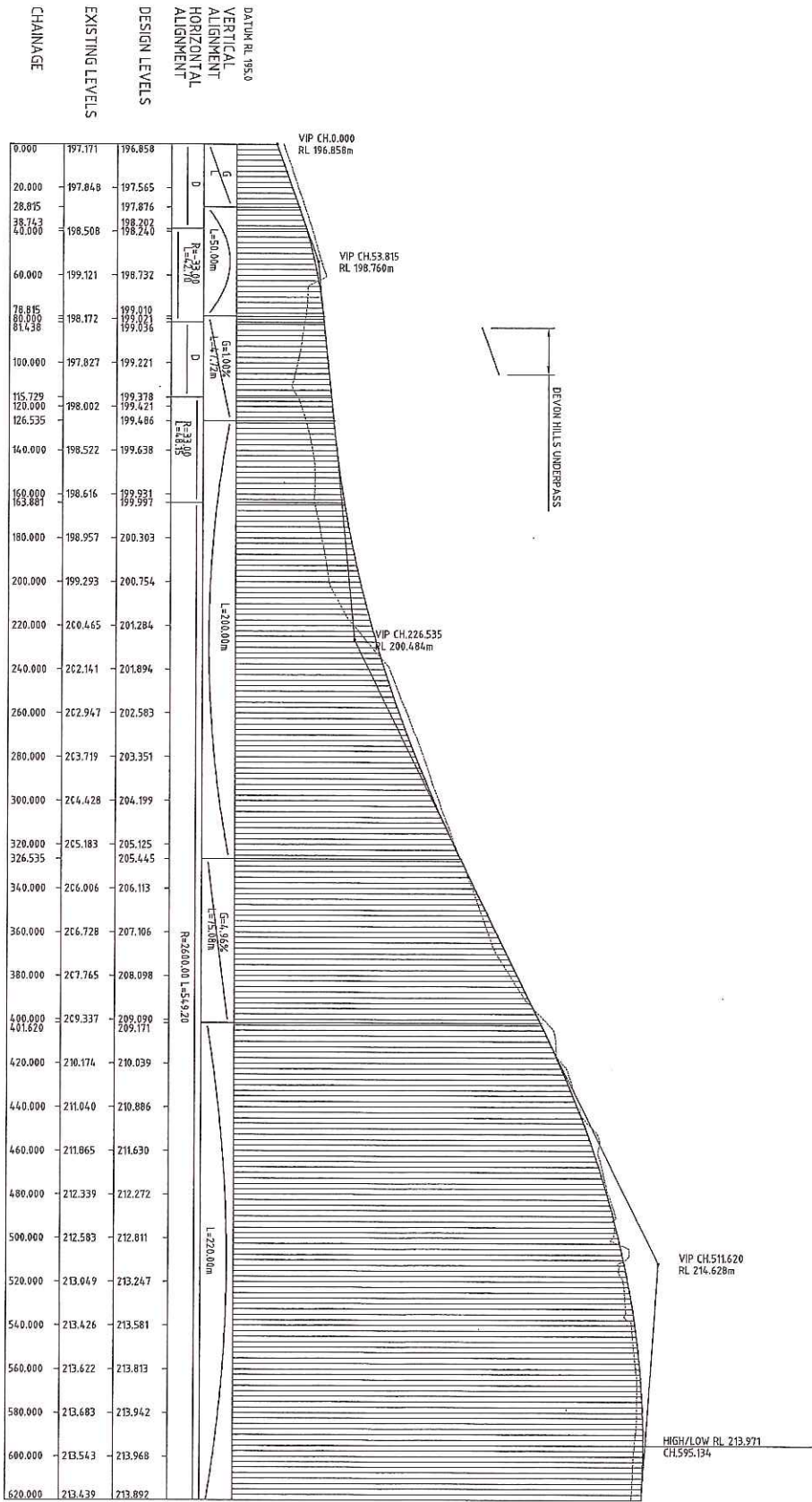
Co-ordinate System: MGA Zone 55
Height Datum: A.M.D.

No.	Revision Description	Date
B	DA SUBMISSION	07/08/2015
A	PRELIMINARY DESIGN ISSUE	18/03/2015

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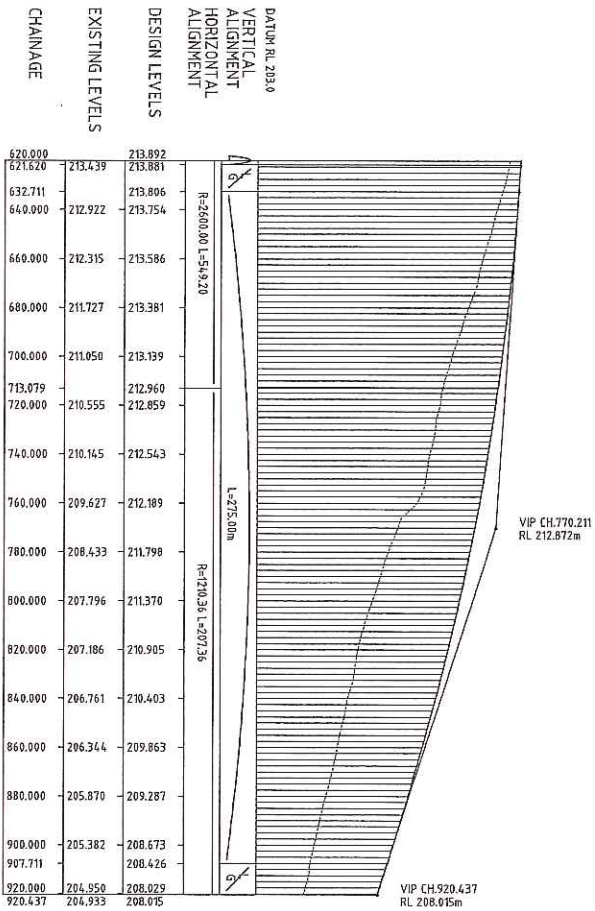


Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION		CONTRACT No.	DRAWING	PRINTED DATE	SHEET No.
LONGITUDINAL SECTION DEVON HILLS INTERCHANGE - NORTHBOUND OFF-RAMP (MCS0)		3611292C073.dwg	A0087.026	07/Aug/15 5:09 PM	0073
DESIGNED: [Signature]		REGISTRATION NUMBER	REVISION: B		
REVIEWED: [Signature]					
SCALES 0 2 4 6 8 0 20 40 60 80 VERT. HORIZ. Height: 10mm A.H.D.					
K.B. 07/03/2015 K.B. 16/03/2015 Date					
As original The sheet may be prepared using colour and may be incomplete if folded					



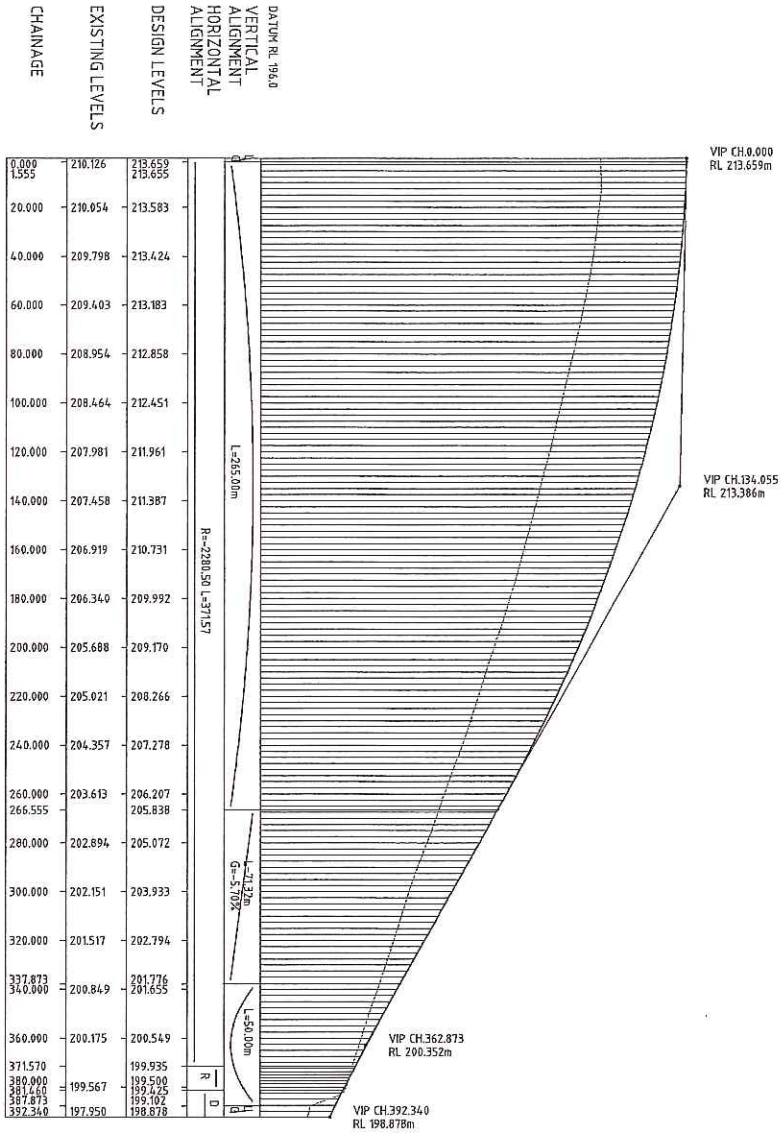
LONGITUDINAL SECTION (MCG0)
SCALE 1:2000 HORIZ, 1:200 VERT

DATUM RL '95.0 VERTICAL ALIGNMENT HORIZONTAL ALIGNMENT	
DESIGN LEVELS EXISTING LEVELS CHAINAGE	
SCALES 0 2 4 6 8 10 VERT. 0 20 40 60 80 HORIZ.	
Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREDAVALE DUPLICATION LONGITUDINAL SECTION - DEVON HILLS INTERCHANGE SERVICE ROAD & NORTHBOUND ON-RAMP (MCG0) - SHEET 1	
CONTRACT No. 32-1728-COTL-COTR-AMG	DRAWING REGISTRATION NUMBER A0087.026
PRINTED DATE 07-AUG-16 6:09 PM	SHEET No. 0074
REVISION B	REVISION B



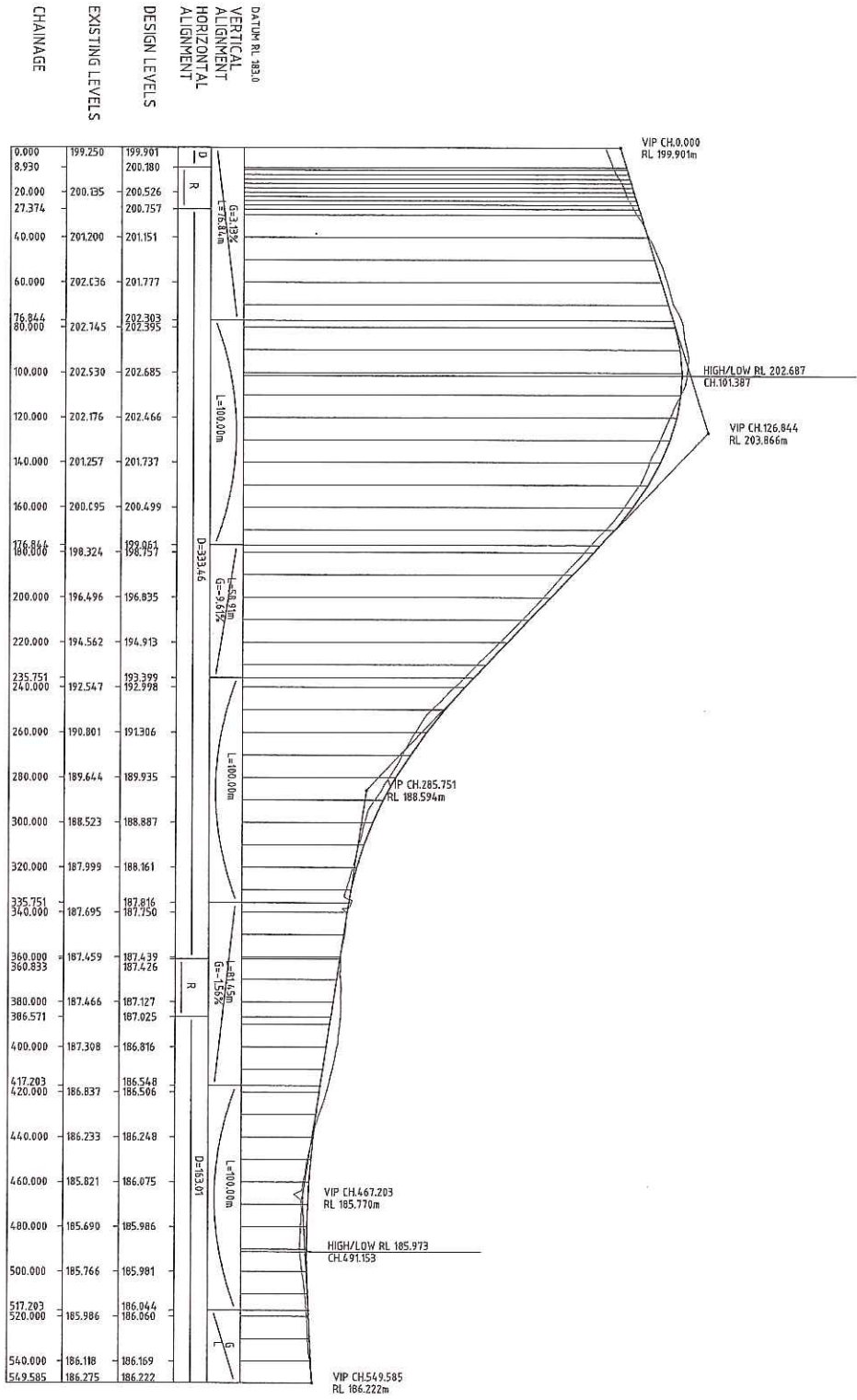
LONGITUDINAL SECTION (MCG60)
SCALE: 1:2000 HORIZ 1:200 VERT

No. A Amendment Description This sheet may be prepared using colour and may be inseparable if copied		Initials K.B. 16.03.2015 Date	
No. B DA SUBMISSION PRELIMINARY DESIGN ISSUE		Initials K.B. 07.04.2015 Date	
No. A9 original		No. 07 original	
SCALES 0 2 4 6 8 10 0 20 40 60 80 HORIZ 0 2 4 6 8 0 2 4 6 8 VERT. HORIZ		Co-ordinate System: McA_Zone 85 Height Datum: A.H.D.	
DESIGNED REVIEWED		CLARITY	
Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION LONGITUDINAL SECTION - DEVON HILLS INTERCHANGE SERVICE ROAD & NORTHBOUND ON-RAMP (MCG0) - SHEET 2			
CONTRACT No.		DRAWING	
REGISTRATION NUMBER		PRINTED DATE	
A0087.026		07-Apr-15, 5:08 PM	
SHEET No.		REVISION	
0075		B	



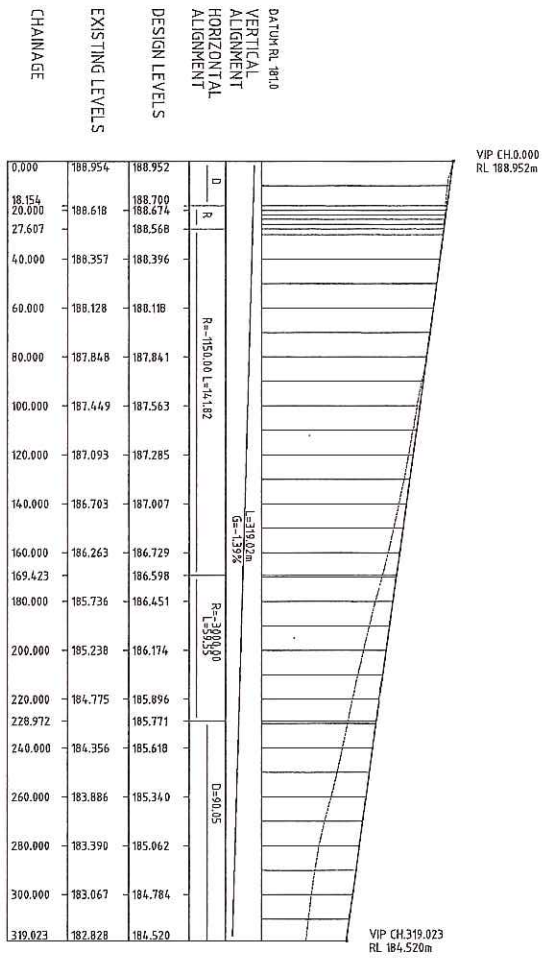
LONGITUDINAL SECTION (M:70)
SCALE 1:2000 HORIZ 1:200 VERT

SCALES 0 2 4 6 8 0 20 40 60 80 VERT. HORIZ.		DESIGNED C.M.C.M.T.Y.		Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION LONGITUDINAL SECTION - DEVON HILLS INTERCHANGE SOUTHBOUND OFF-RAMP (M:70)		CONTRACT No. 32-1728-CON/149	DRAWING REGISTRATION NUMBER A0087.026	PRINTED DATE 07-Aug-15, 5:08 PM	SHEET No. 0076
No. 1 PRELIMINARY DESIGN ISSUE Amendment Description This sheet may be prepared using colour and may be incomplete if copied		K.S.T. K.S.T. DATE 07/08/2015 16/03/2015	Co-ordinate System: MGA Zone 55 Height Datum: A.H.D.	REVISION B	REVISION B				



LONGITUDINAL SECTION (MCRD)
SCALE 1:2000 HORIZ 1:200 VERT

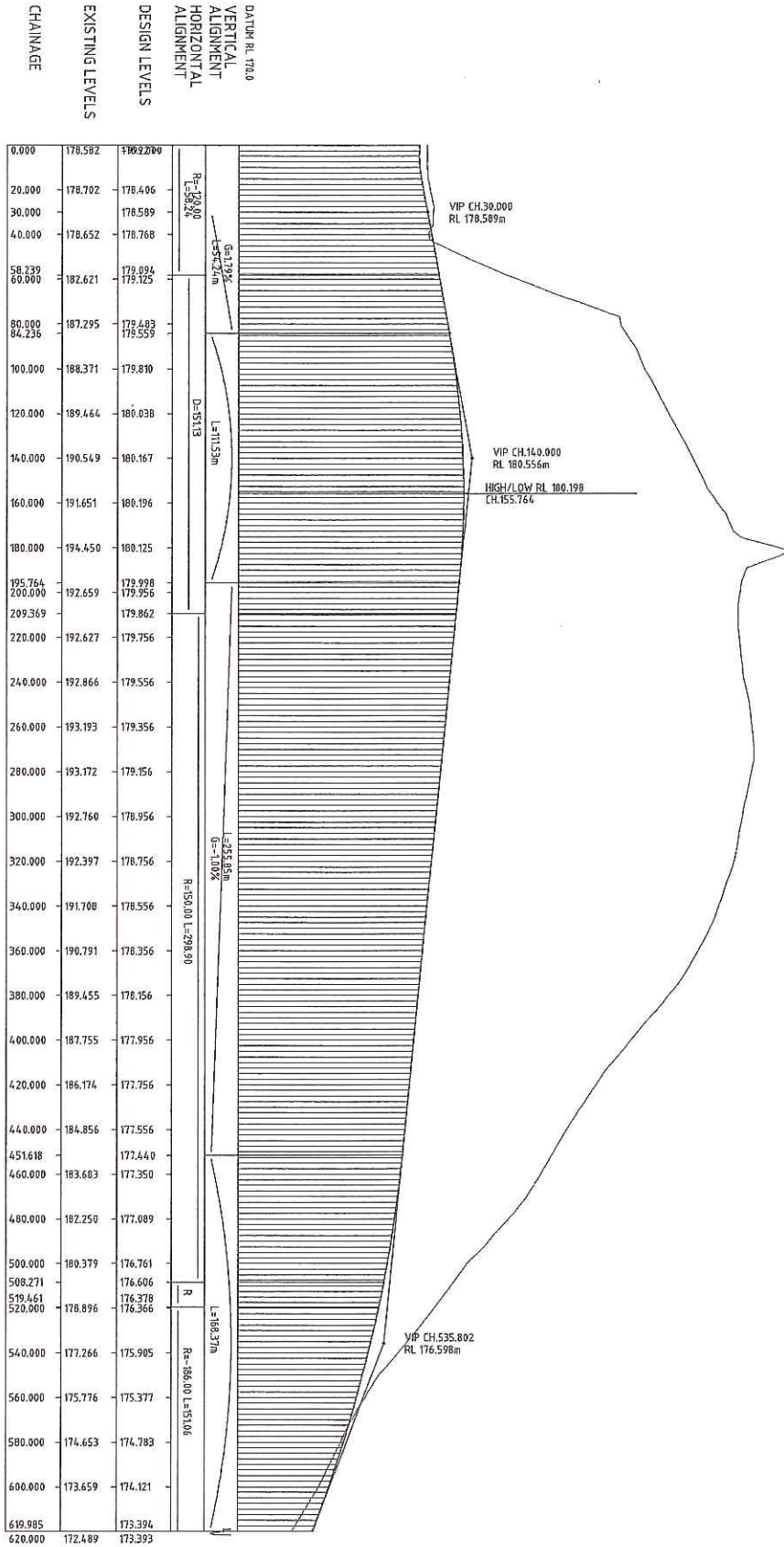
DA SUBMISSION PRELIMINARY DESIGN ISSUE Amendment Description K.B. 07/29/2015 K.B. 16/03/2015 Initials Date As original The sheet may be prepared using colour and may be illegible if copied		SCALES 0 2 4 6 8 0 20 40 60 80 VERT. HORIZ. Height Datum: A.M.D.		DESIGNED BY: GHD CAPACITY: 1000 REVIEWED BY: [Signature]		Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION LONGITUDINAL SECTION DEVON HILLS INTERCHANGE - WESTERN ACCESS TRACK (MCRD)		CONTRACT No. DRAWING No. 32-1752B-C077.dwg PRINTED DATE: 07-Aug-16, 6:03 PM SHEET No. 0077	
REGISTRATION NUMBER A0087.026		REVISION B							



LONGITUDINAL SECTION (MCS01)
 SCALE 1:2000 HORIZ 1:200 VERT

SCALES 0 20 40 60 80 0 0 20 40 60 80 0 VERT. HORIZ.		DESIGNED 	REVIEWED 	Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION LONGITUDINAL SECTION DEVON HILLS INTERCHANGE - SOUTHBOUND ON-RAMP (MCS01)	CONTRACT No. DRAWING 32/1726-0218/05	PRINTED DATE 07-Aug-15, 6:10 PM	SHEET No. 0078
PRELIMINARY DESIGN ISSUE Administration Description K.S. 13/03/2015 Date		Co-ordinate System: Metres, Zone 55 Height Datum: AHD		REGISTRATION NUMBER A0087.026	REVISION B		

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LONGITUDINAL SECTION (MCA0)
SCALE 1:2000 HORIZ 1:200 VERT

Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION		CONTRACT No. 32-1720-C018-C08A06		DRAWING 07-Aug-15 04:10 PM		PRINTED DATE 07-Aug-15 04:10 PM		SHEET No. 0079	
LONGITUDINAL SECTION - BREADALBANE INTERCHANGE UNDERPASS ROAD & NORTHBOUND ON-RAMP (MCA0) - SHEET 1		REGISTRATION NUMBER A0087.026		REVISION B		DESIGNER G.MOONY		REVIEWED	
SCALES 0 2 4 6 8 VERT. 0 20 40 60 80 HORIZ.		COORDINATE SYSTEM: MGA ZONE 55 HEIGHT DATUM: A.M.D.		No. of Sheets: 1 Date: 16.03.2015		No. of Sheets: 1 Date: 16.03.2015		No. of Sheets: 1 Date: 16.03.2015	
PRELIMINARY DESIGN ISSUE 07.08.2015		PRELIMINARY DESIGN ISSUE 07.08.2015		PRELIMINARY DESIGN ISSUE 07.08.2015		PRELIMINARY DESIGN ISSUE 07.08.2015		PRELIMINARY DESIGN ISSUE 07.08.2015	

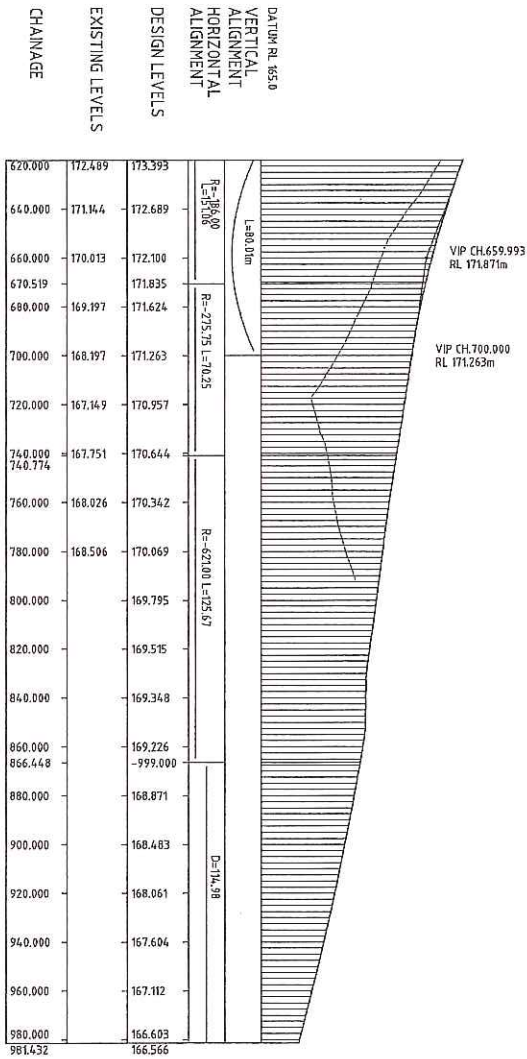
DATE: RL 170.0
 VERTICAL ALIGNMENT
 HORIZONTAL ALIGNMENT

DESIGN LEVELS
 EXISTING LEVELS
 CHAINAGE

VIP CH.30.000
 RL 178.589m
 VIP CH.140.000
 RL 180.556m
 HIGH/LOW RL 180.198
 CH.155.764
 VIP CH.535.802
 RL 176.598m

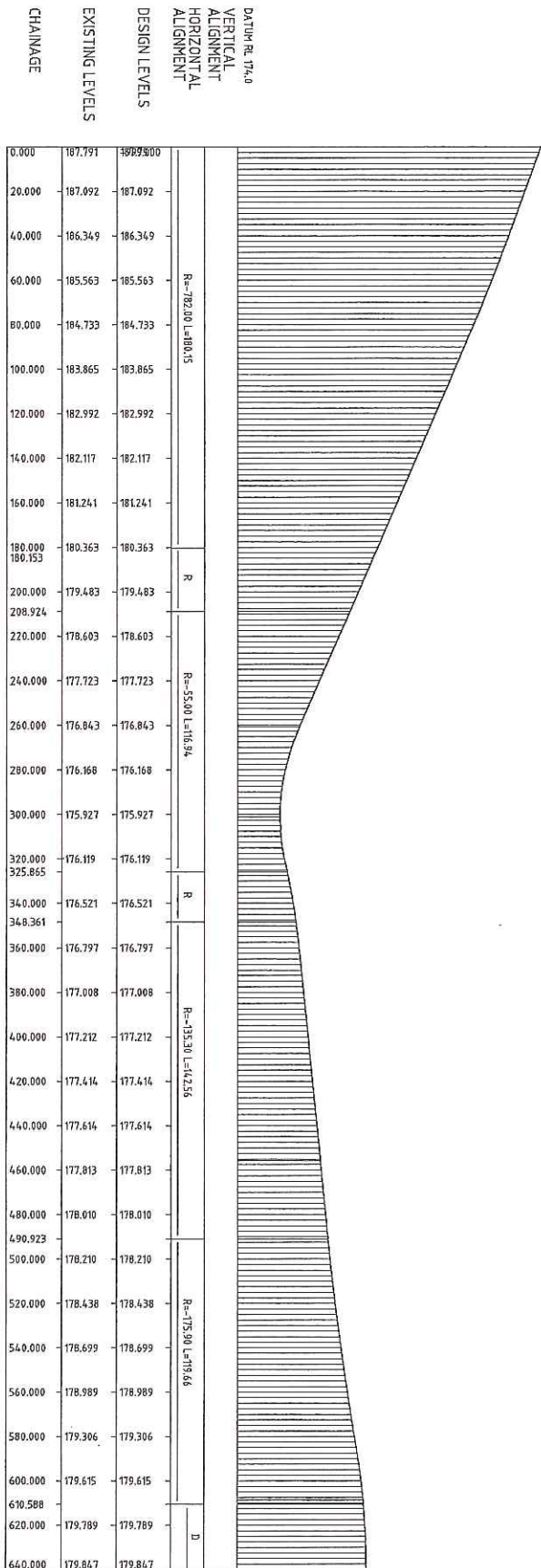


AS original This sheet may be prepared using colour and may be incompatible if copied




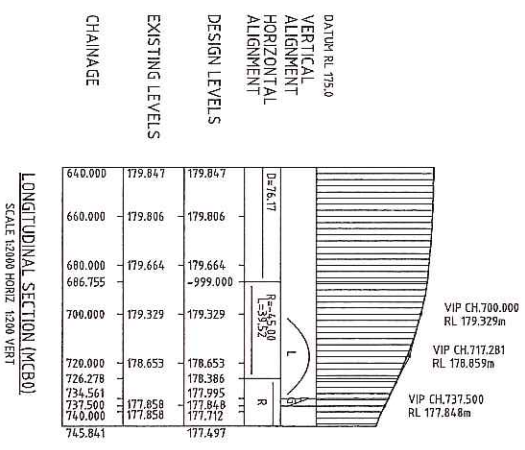
LONGITUDINAL SECTION (MCA0)
SCALE 1:2000 HORIZ 1:200 VERT

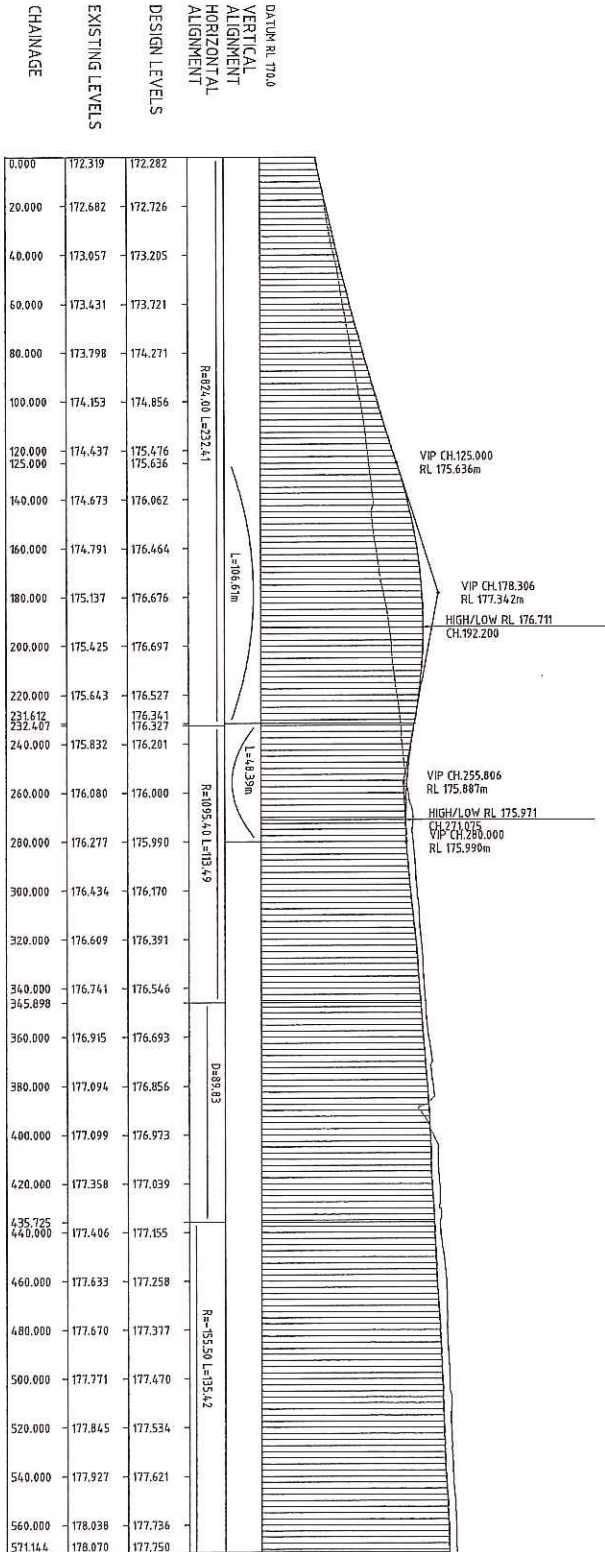
<p>Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION</p>		<p>CONTRACT No.</p>		<p>DRAWING 32-17362-C079_C080.dwg</p>		<p>PRINTED DATE 07 Aug 16, 6:10 PM</p>		<p>SHEET No. 0080</p>	
<p>LONGITUDINAL SECTION - BREADALBANE INTERCHANGE UNDERPASS ROAD & NORTHBOUND ON-RAMP (MCA0) - SHEET 2</p>		<p>DESIGNED C.MONTY</p>		<p>REVIEWED</p>		<p>HEIGHT DEMONSTRATION: A.H.D.</p>		<p>REVISION B</p>	
<p>SCALES 0 2 4 6 8 VERT. 0 20 40 60 80 HORIZ.</p>		<p>KB- 07/29/2015</p>		<p>KB- 15/03/2015</p>		<p>Initials</p>		<p>Date</p>	
<p>DA SUBMISSION</p>		<p>Amendment Description</p>		<p>Initials</p>		<p>Date</p>		<p>Co-ordinates System: Mean Zone 55</p>	
<p>A PRELIMINARY DESIGN ISSUE</p>		<p>As original</p>		<p>This sheet may be prepared using colour and may be incomplete if printed</p>		<p>Height Dem: A.H.D.</p>		<p>Height Dem: A.H.D.</p>	



No. A PRELIMINARY DESIGN ISSUE B DA SUBMISSION C AMENDMENT DESCRIPTION D AS ORIGINAL	K.B. * K.B. * K.B. * K.B. *	07.08.2015 16.03.2015 16.03.2015 16.03.2015	Initials Initials Initials Initials	Date Date Date Date	Co-ordinate System: MGA Zone 55 Height Datum: A.H.D.	DESIGNED REVIEWED CAMONTY	Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION LONGITUDINAL SECTION - BREADALBANE INTERCHANGE UNDERPASS ROAD & NORTHBOUND OFF-RAMP (MGBD) - SHEET 1	CONTRACT No. 3247208-CORR_COORLANG	DRAWINGS REGISTRATION NUMBER A0087.026	PRINTED DATE 07-Aug-15 5:10 PM	SHEET No. 0081	REVISION B
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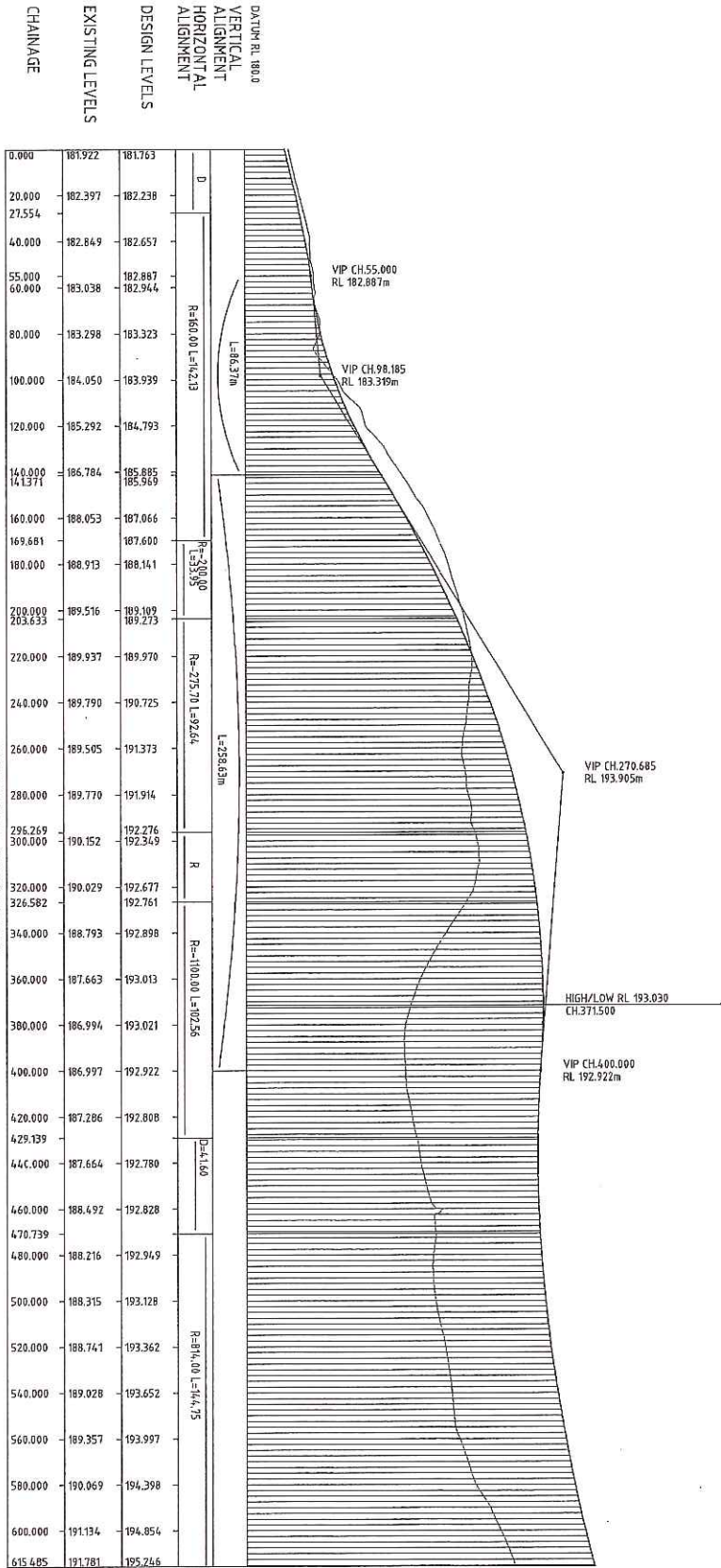
No. Amendment Description Issue Date			
B	DA SUBMISSION	K37	07/08/2015
A	PRELIMINARY DESIGN ISSUE	K37	18/03/2015
As Original This sheet may be prepared using colour and may be incomplete if copied			
SCALES 0 2 4 6 8 0 20 40 60 80 VERT. HORIZ.		Co-ordinate System: MGA Zone 55 Height Datum: A.M.D.	
		DESIGNED CHECKED REVIEWED 	
Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREDALEANE DUPLICATION LONGITUDINAL SECTION UNDERPASS ROAD & NORTHBOUND OFF-RAMP (MCB0) - SHEET 2			
CONTRACT No. DRAWING PRINTED DATE		SHEET No.	
32/1726-C081_C082.dwg A0087.026 07-Aug-15, 6:10 PM		0082	
REGISTRATION NUMBER		REVISION B	



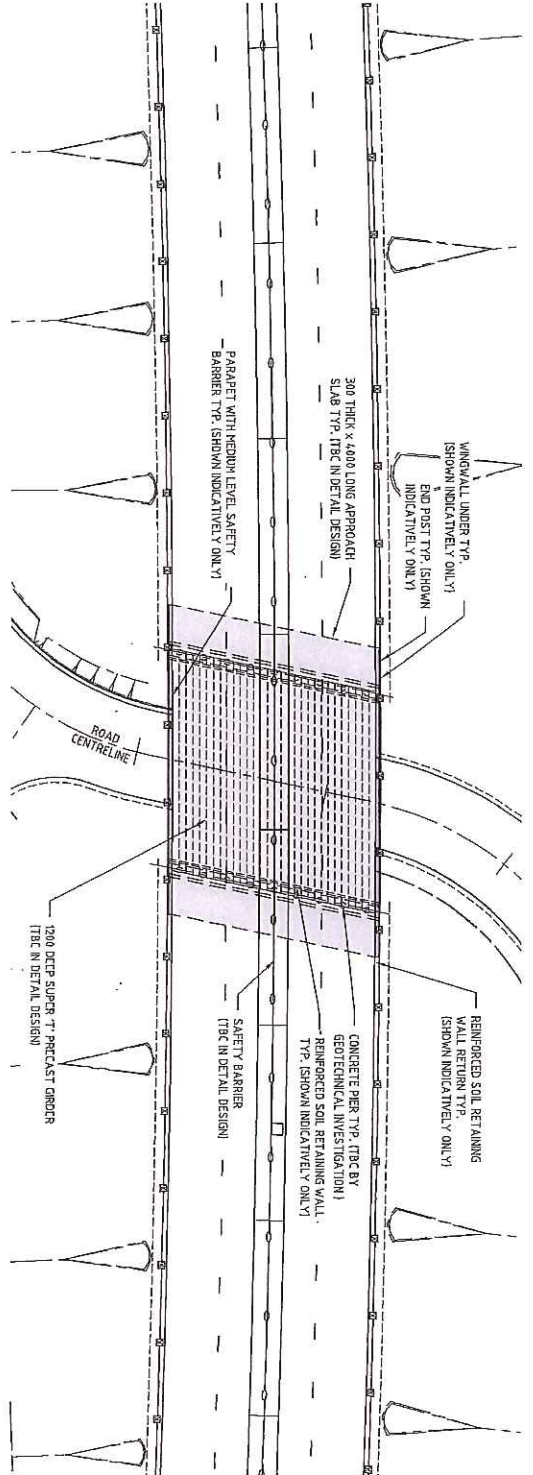


LONGITUDINAL SECTION (MCCO)
SCALE 1:2000 HORIZ 1:200 VERT

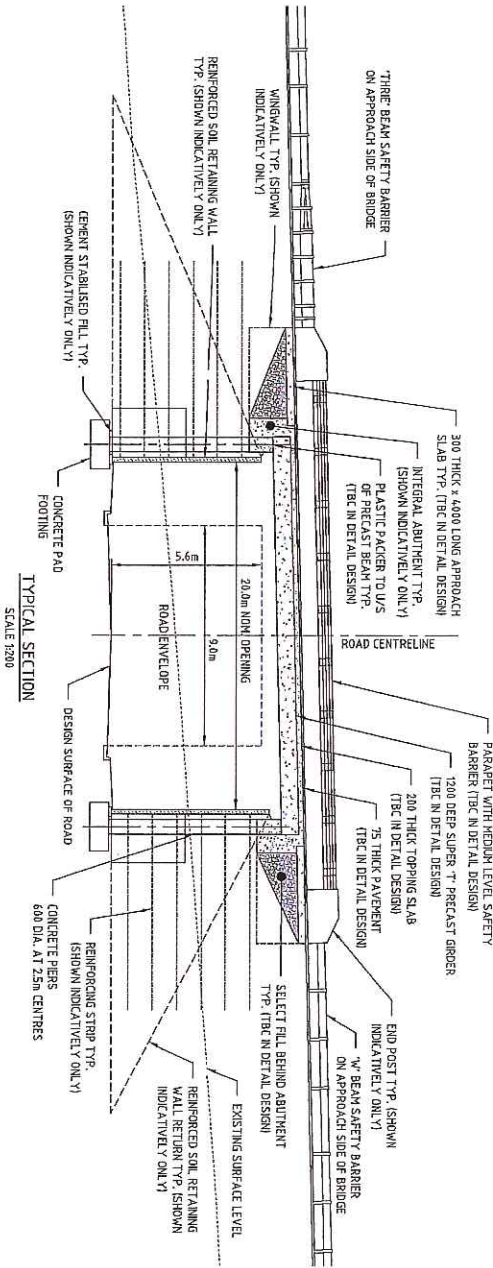
No. DA SUBMISSION Amendment Description PRELIMINARY DESIGN ISSUE K.B. 07.08.2015 K.B. 18.03.2015 Initials Date		SCALES 0 2 4 6 8 0 20 40 60 80 VERT. HORIZ. Height: 1mm = 1m	
No. AD Original Amendment Description This sheet may be prepared using colour and may be incomplete if copied		Co-ordinate System: ACGA Zone 55 Height Datum: A.H.D.	
DESIGNED: GHD CHECKED: Government		Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION LONGITUDINAL SECTION BREADALBANE INTERCHANGE - SOUTHBOUND OFF-RAMP (MCCO)	
CONTRACT No. _____ DRAWING REGISTRATION NUMBER A0087.026		PRINTED DATE 07-Aug-15, 5:10 PM SHEET No. 0083	
REVISION B		REVISION B	



No. <input type="checkbox"/> Original This sheet may be prepared using colour and may be incorporated if copied		Amendment Description K22-07082015 K22-18032015 Date		Co-ordinate System: AGDA Zone 55 Height Datum: A.M.D.	
SCALES 0 2 4 6 8 9 VERT. 0 2 4 6 8 10 HORIZ.		DESIGNED REMOVED C.M. ONTY		Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION LONGITUDINAL SECTION BREADALBANE INTERCHANGE - SOUTHBOUND ON-RAMP (MCD0)	
CONTRACT No. 32-1759-0084-040		DRAWING 07-Aug-15, 5:10 PM		SHEET No. 0084	
REGISTRATION NUMBER A0087.026		PRINTED DATE		REVISION B	



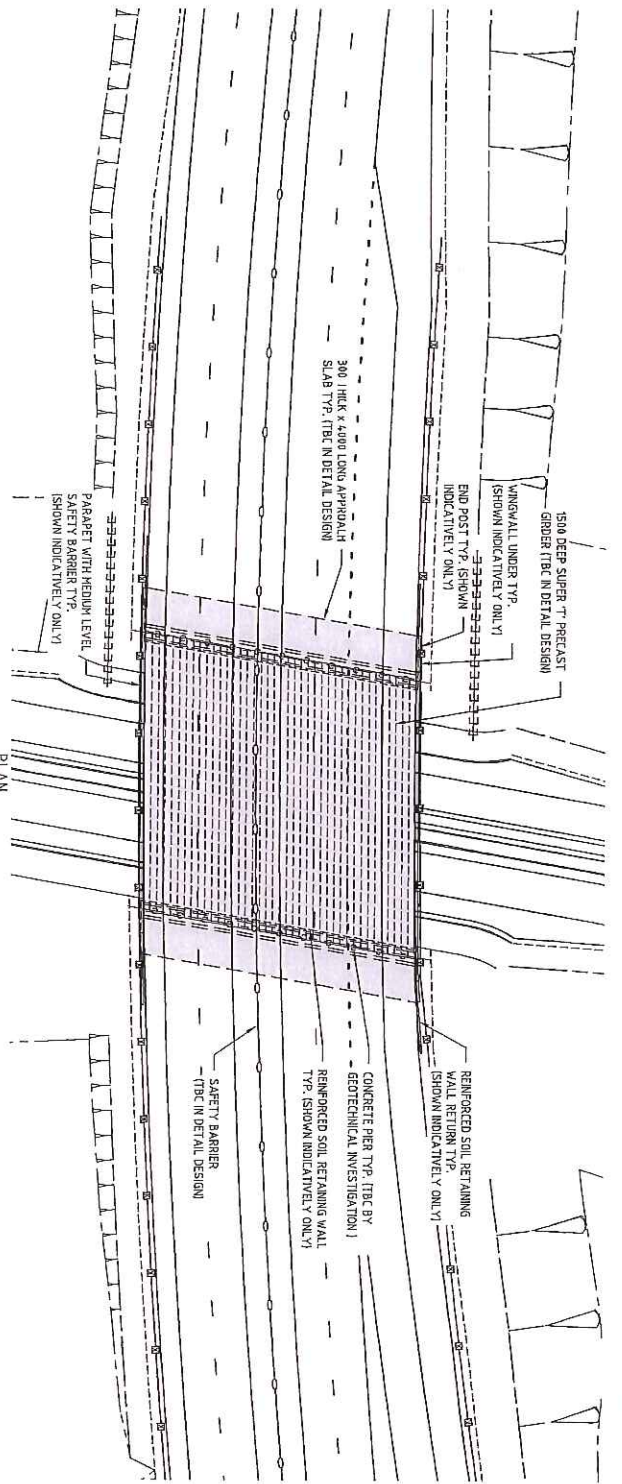
PLAN SCALE 1:500



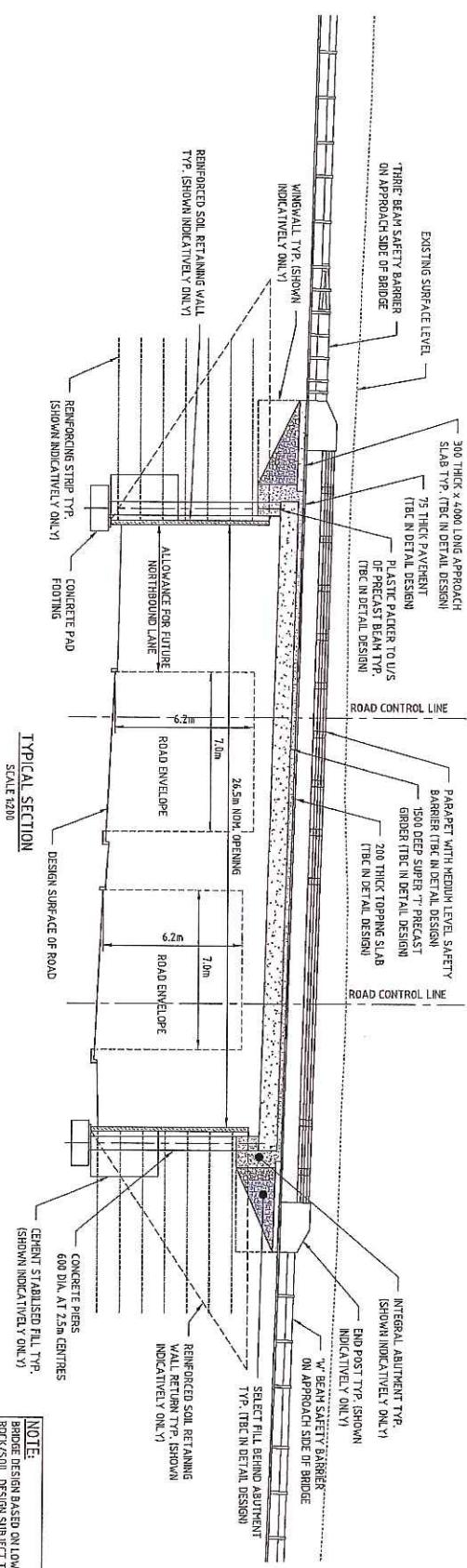
TYPICAL SECTION SCALE 1:200

NOTE:
BRIDGE DESIGN BASED ON LOW STRENGTH
SOILS. DESIGN SUBJECT TO CHANGE
BASED ON GEOTECHNICAL INVESTIGATION.

<p>Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUPLICATION</p>		<p>CONTRACT No. 321728L-SRD-040</p>		<p>DRAWING REGISTRATION NUMBER A0087.026</p>	
<p>DESIGNED BY G.MONTY</p>		<p>PRINTED DATE 07-Aug-15, 6:10 PM</p>		<p>SHEET No. 0300</p>	
<p>REVIEWED</p>		<p>DEVON HILLS UNDERPASS - GENERAL ARRANGEMENT</p>		<p>REVISION C</p>	
<p>SCALE 1:200</p>		<p>SCALE 1:500</p>		<p>Co-ordinate System: MGA Zone 56</p>	
<p>Height Datum: AHD</p>		<p>0 1 2 3 4 5 6 7 8 9 10</p>		<p>0 1 2 3 4 5 6 7 8 9 10</p>	
<p>DA SUBMISSION 07/08/2015 K.B.</p>		<p>PRELIMINARY DESIGN AMENDED 17/03/2015 K.B.</p>		<p>PRELIMINARY DESIGN ISSUE 18/03/2015 K.B.</p>	
<p>Amendment Description</p>		<p>Initials</p>		<p>Date</p>	
<p>A3 Original This sheet may be prepared using colour and may be incompatible if copied</p>					



PLAN
SCALE 1:500



TYPICAL SECTION
SCALE 1:200

NOTE:
DESIGN BASED ON LOW STRENGTH ROCK/SOIL DESIGN SUBJECT TO BASED ON GEOTECHNICAL INVESTIGATION.

<p>Department of State Growth MIDLAND HIGHWAY (A0087) PERTH TO BREADALBANE DUALCATION</p>		<p>CONTRACT No. 3217285320 AWG</p>		<p>DRAWING 3217285320 AWG</p>		<p>PRINTED DATE 07-Aug-15, 5:11 PM</p>		<p>SHEET No. 0320</p>	
<p>DESIGNED REVIEWED</p>		<p>CHECKED APPROVED</p>		<p>REGISTERED NUMBER A0087.026</p>		<p>REVISION B</p>		<p>REVISION B</p>	
<p>0 10 20 30 40 50 60 70 80 90 100 SCALE 1:200</p>		<p>0 5 10 15 20 25 SCALE 1:500</p>		<p>0 2.5 5 7.5 10 SCALE 1:200</p>		<p>0 2.5 5 7.5 10 SCALE 1:200</p>		<p>0 2.5 5 7.5 10 SCALE 1:200</p>	
<p>DA SUBMISSION K.R.T. 16.03.2015</p>		<p>PRELIMINARY DESIGN ISSUE K.R.T. 16.03.2015</p>		<p>ADMINISTRATIVE DESCRIPTION K.R.T. 16.03.2015</p>		<p>AS ORIGINAL This sheet may be prepared using colour and may be incompatible if copied.</p>		<p>Co-ordinate System: MGA Zone 55 Height Datum: A.H.D.</p>	

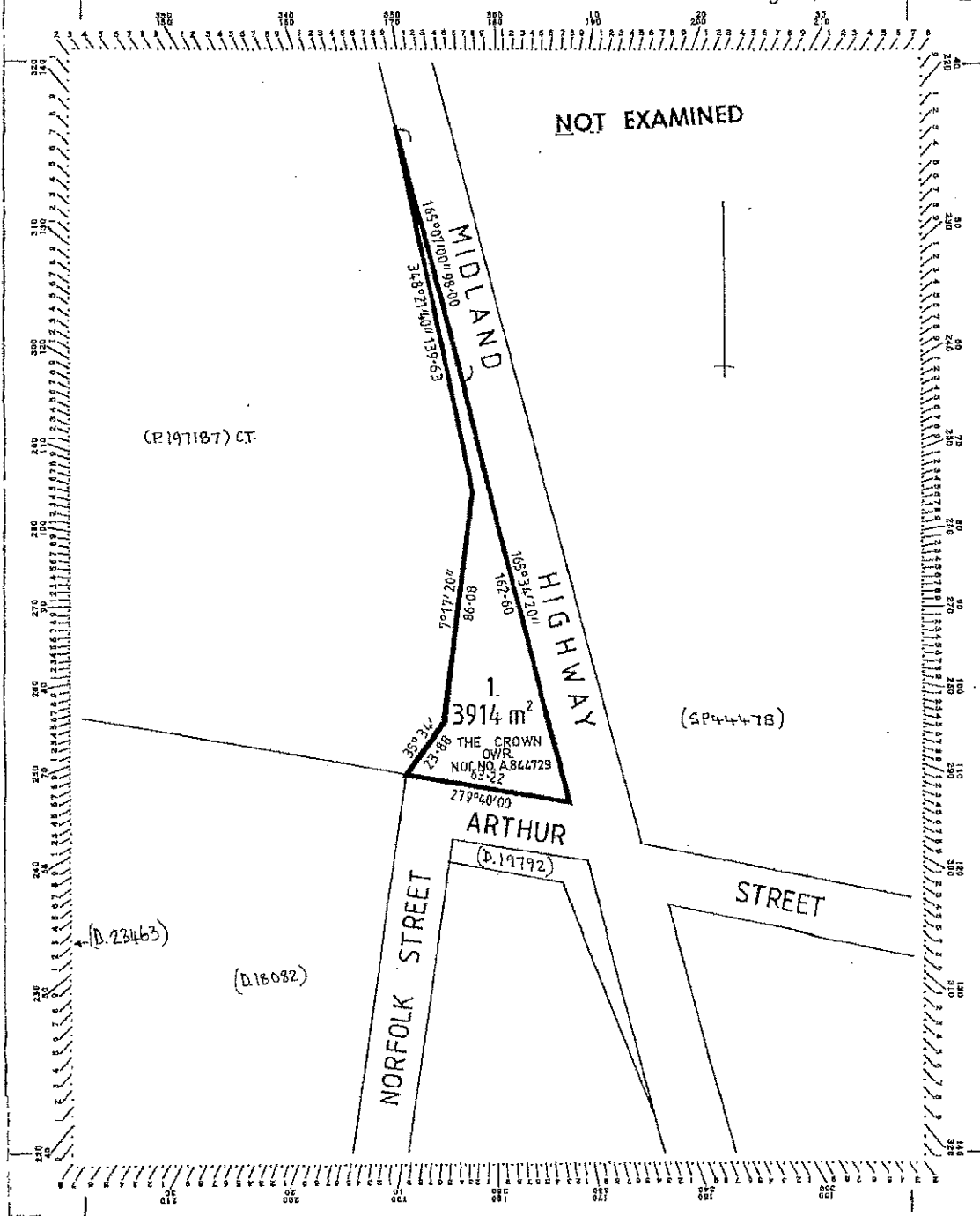
FOLIO PLAN

RECORDER OF TITLES

Issued Pursuant to the Land Titles Act 1980



Owner: Ronald Alpin Mackinnon	PLAN OF SURVEY F. E. G. MILLER by Surveyor of land situated in the	Registered Number: D19766
Title Reference: C.T. 2687-97	LAND DISTRICT OF CORNWALL PARISH OF PERTH	Approved 24 FEB 1983 Effective from:
Grantee: Part of 630 acres Granted to James Thornloe.	SCALE 1:1500 MEASUREMENTS IN METRES	Acting Deputy Recorder of titles



ORIGINAL -- NOT TO BE REMOVED FROM TITLES OFFICE

3502 03
TASMANIA
REAL PROPERTY ACT, 1862, as amended



CERTIFICATE OF TITLE

Register Book
Vol. Fol.
2492 73

HER MAJESTY THE QUEEN is now seised in demesne by right of Her Imperial Crown subject nevertheless to such encumbrances liens and interests as are notified by Memorial underwritten or - - endorsed hereon of all that piece of land situated in the Parish of Perth Land District of Cornwall containing

TWO ROODS TWO PERCHES AND ONE TENTH OF A PERCH

on the plan hereon which said piece of land comprises part of 582 acres 1 rood 35 perches delineated in the public maps of the State deposited in the Office of the Surveyor-General originally granted to JOHN DRYDEN and duly surrendered as appears by - -

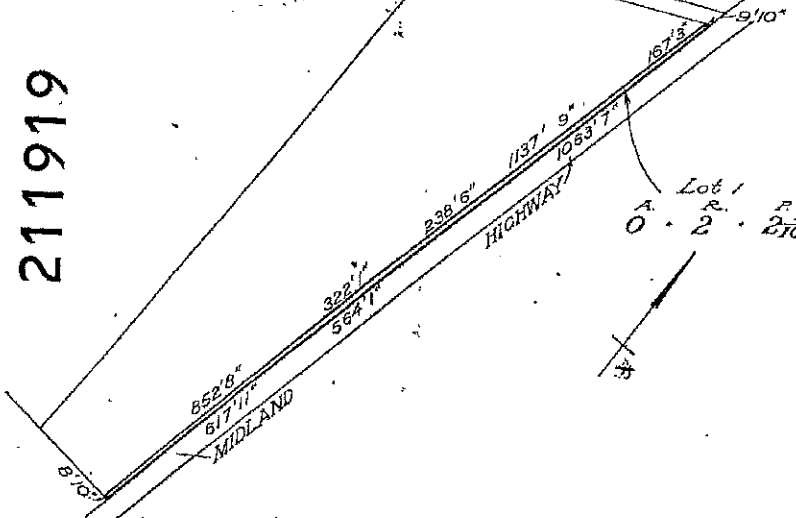
TRANSFER NO. A310058

IN WITNESS whereof I have hereunto signed my name and affixed my seal this - 8 JUL 1969

NOTE--ENTRIES CANCELLED UNDER SIGNATURE OF THE RECORDER OF TITLES ARE NO LONGER SUBSISTING.

REGISTERED NUMBER
211919

CANCELLED
4 JAN 1995
RECORDED OF TITLES.
Lot 1 of this plan consists of all the land comprised in the above-mentioned cancelled folio of the Register.



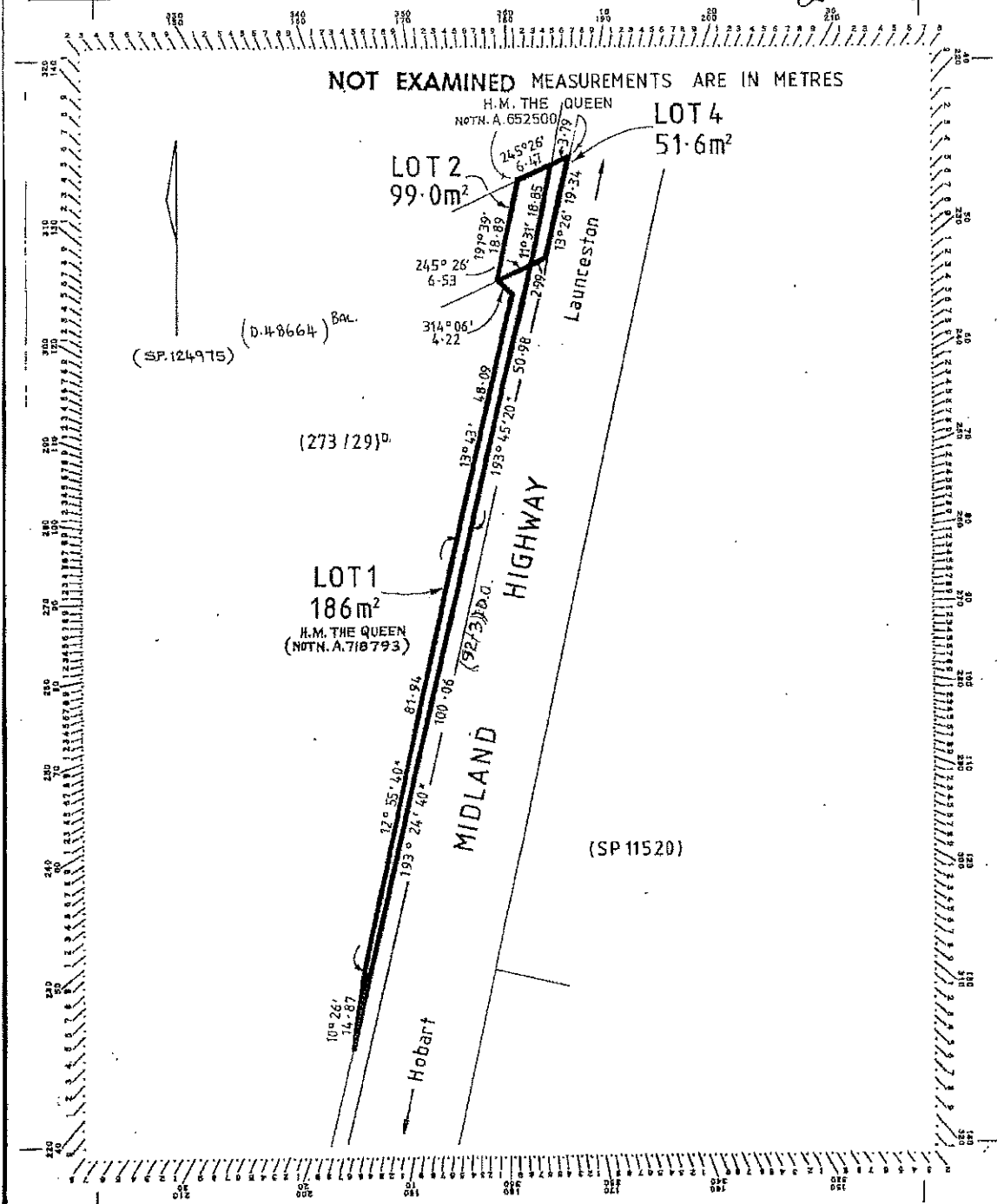
Mens in Ft. & Ins. 568/9D

FIRST EDITION, Registered - 8 JUL 1969

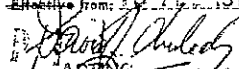
Received from C.T. Vol. 2409 Fol. 79. Transfer A310058-A.T. Tong & anor

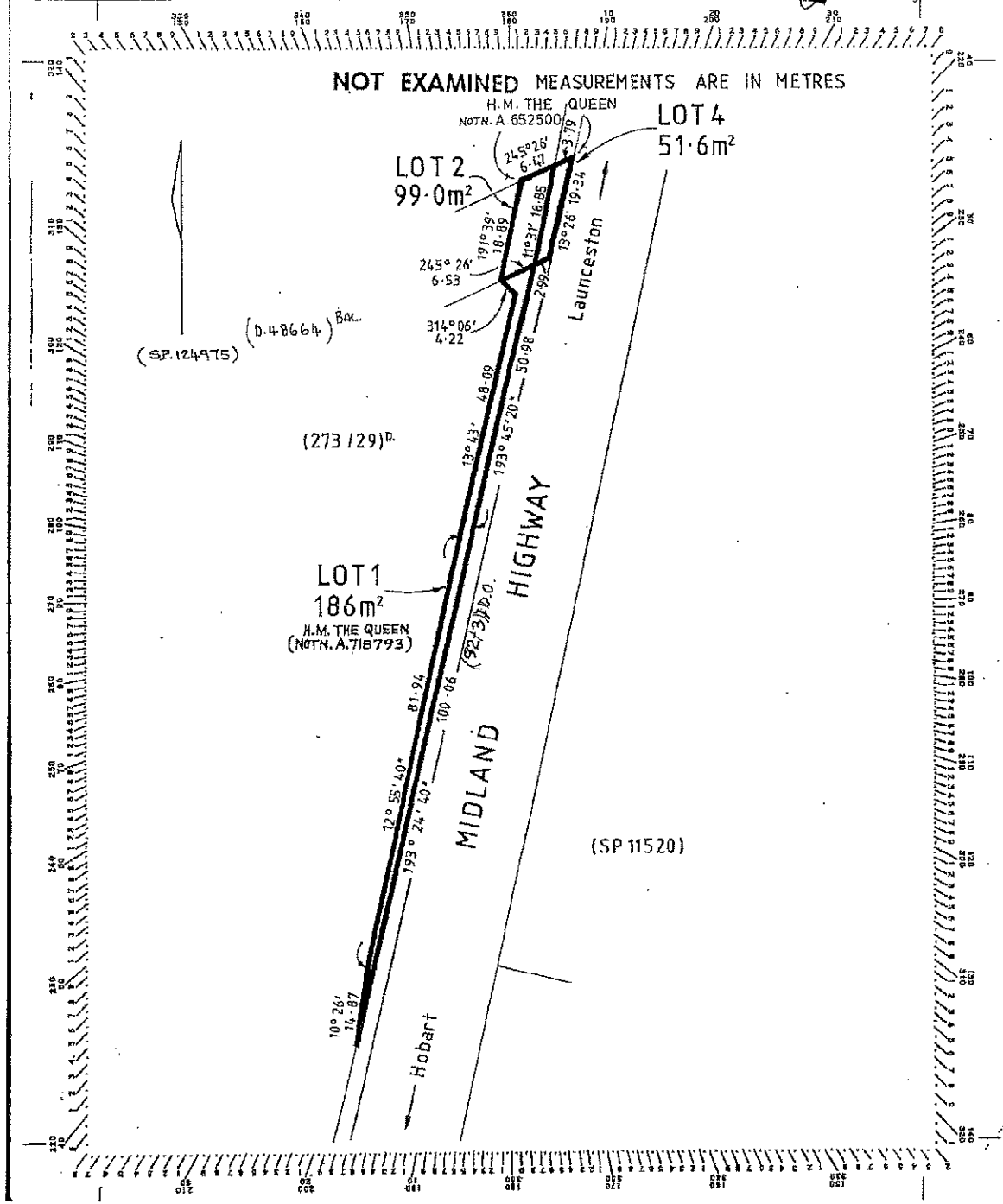
D. 12193

Owner: Lot 1. Ah Toy Tong & ANK Lots 2 & 4. Raymond John Saunders.	PLAN OF SURVEY by Surveyor G. J. DONNELLY of land situated in the LAND DISTRICT OF CORNWALL PARISH OF PERTH SCALE 1: 750	Registered Number: D12193 Approved Effective from: 14/01/2014 [Signature] ACTING Recorder of Titles
Title Reference: Lot 1. C.T. 2492-74 Lot 2 & Lot 4. C.T. 3166-99		
Grantee: Part of 582a. 1r. 35p. Granted to John Dryden		



D. 12193

Owner: Lot 1. Ah Toy Tong Lots 2 & 4. Raymond John Saunders.	PLAN OF SURVEY by Surveyor G. J. DONNELLY of land situated in the	Registered Number: D12193
Title Reference: Lot 1. C.T. 2492-74 Lot 2 & Lot 4. C.T. 3166-99	LAND DISTRICT OF CORNWALL PARISH OF PERTH	
Grantee: Part of 582a. 1r. 35p. Granted to John Dryden	SCALE 1: 750	Approved Effective from: 1979  G. J. DONNELLY Recorder of Titles



FOLIO PLAN

RECORDER OF TITLES

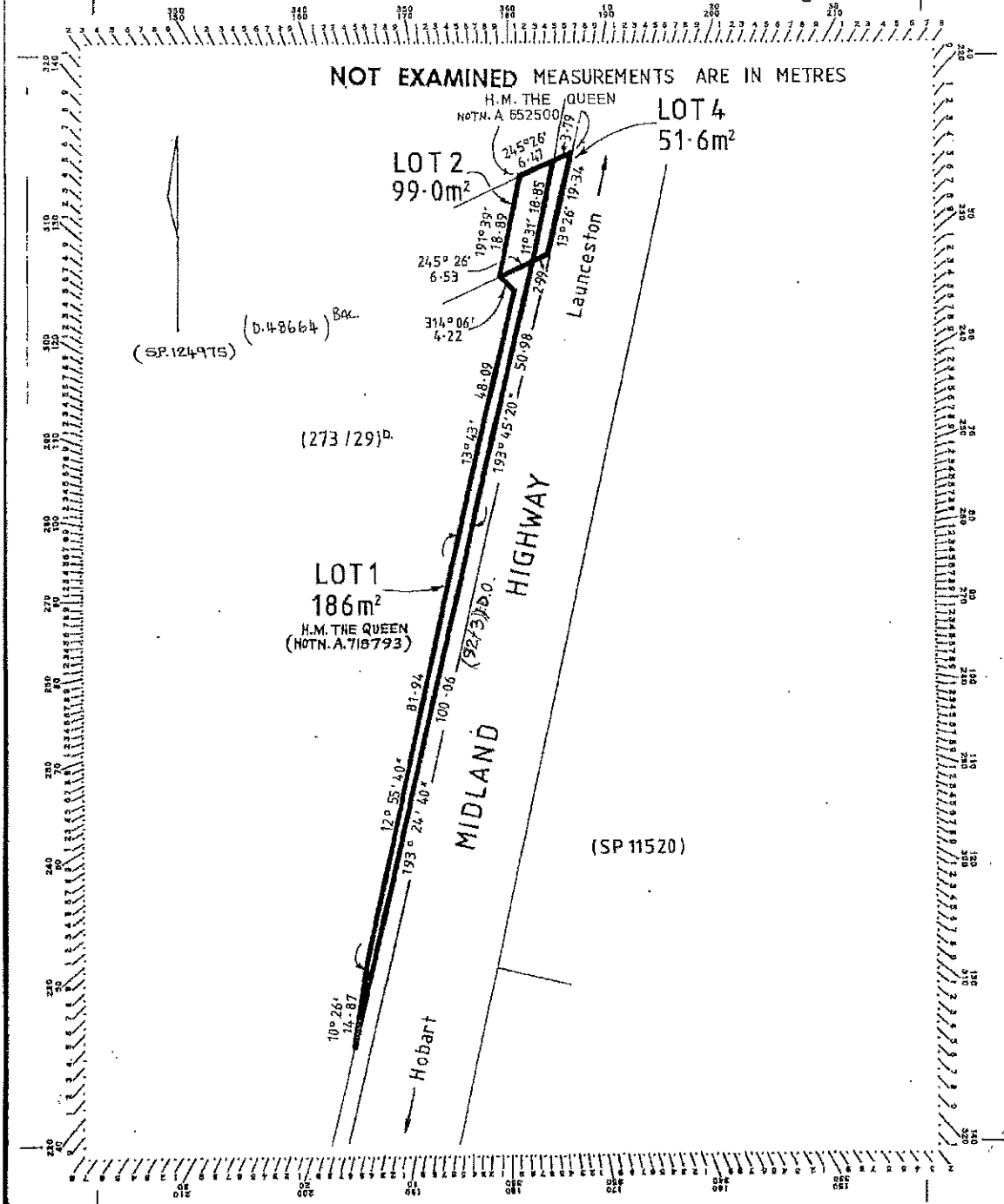
Issued Pursuant to the Land Titles Act 1980



D. 12193

Owner: Lot 1. Ah Toy Tong f ANR Lots 2 & 4. Raymond John Saunders.	PLAN OF SURVEY G. J. DONNELLY by Surveyor of land situated in the	Registered Number: D12193
Title Reference: Lot 1. C.T. 2492-74 Lot 2 & Lot 4. C.T. 3166-99	LAND DISTRICT OF CORNWALL PARISH OF PERTH	
Grantee: Part of 582a. 1r. 35p. Granted to John Dryden	Approved Effective from: 14.12.1979 ACTING Recorder of Titles	

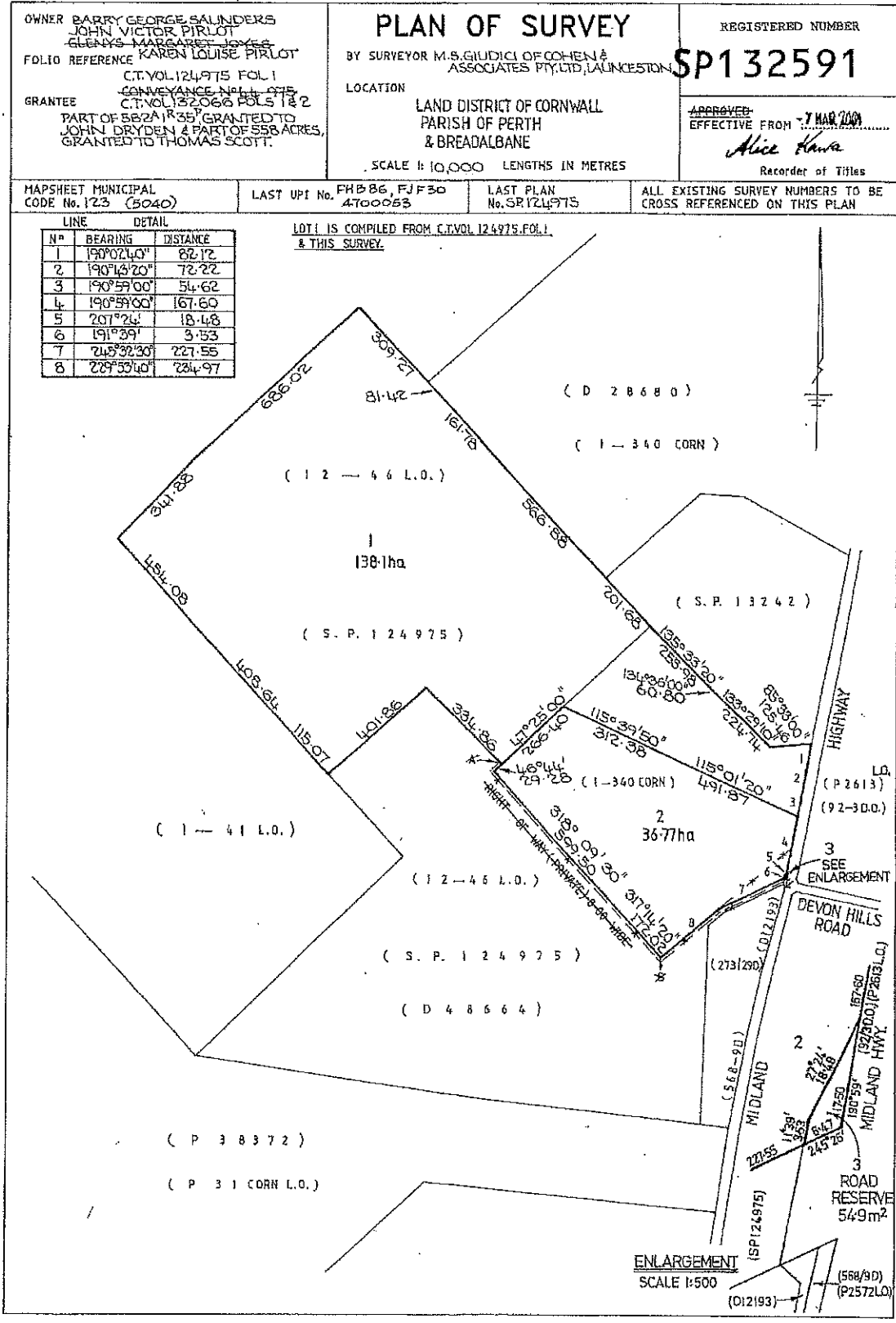
SCALE 1: 750

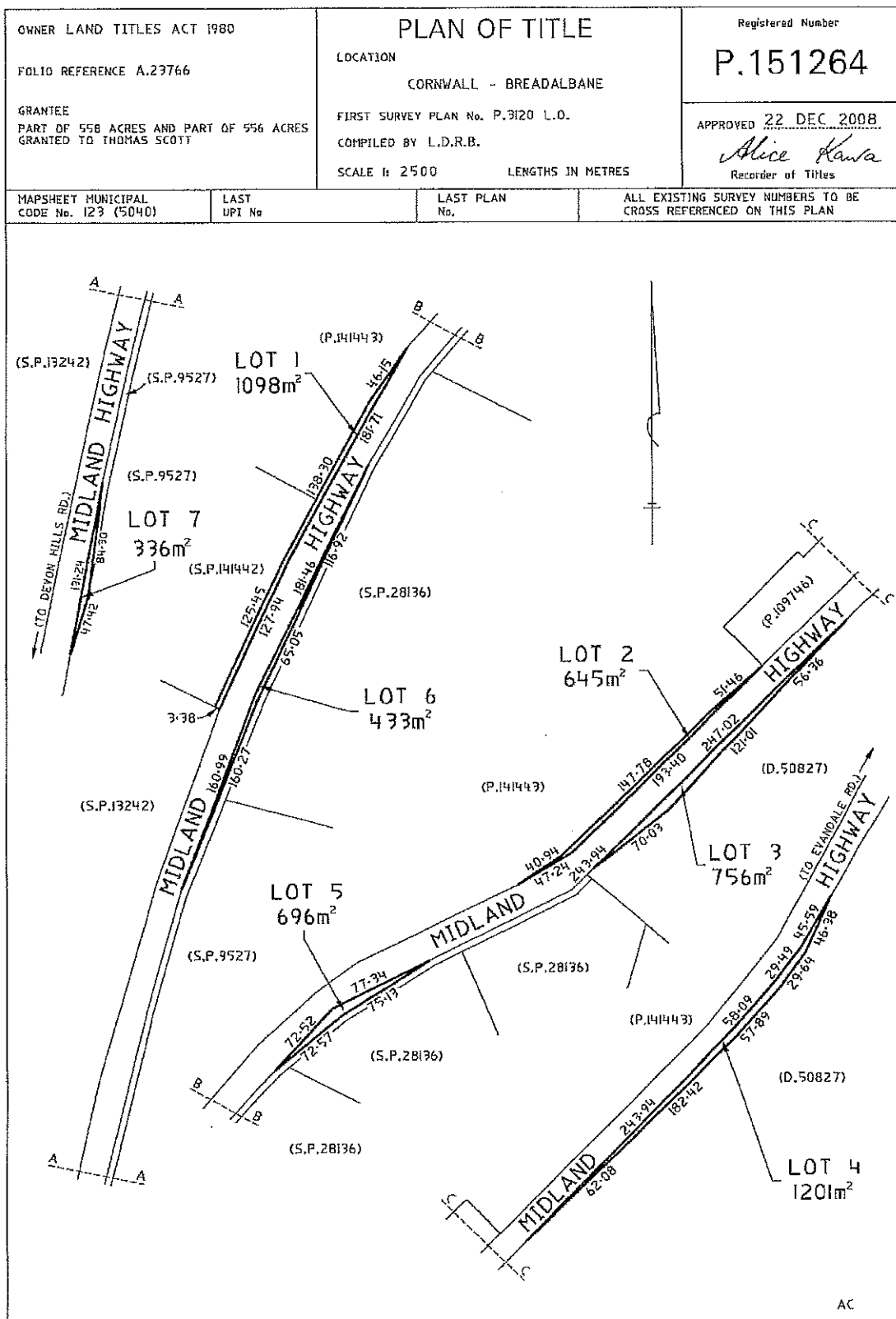


FOLIO PLAN

RECORDER OF TITLES

Issued Pursuant to the Land Titles Act 1980



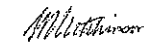


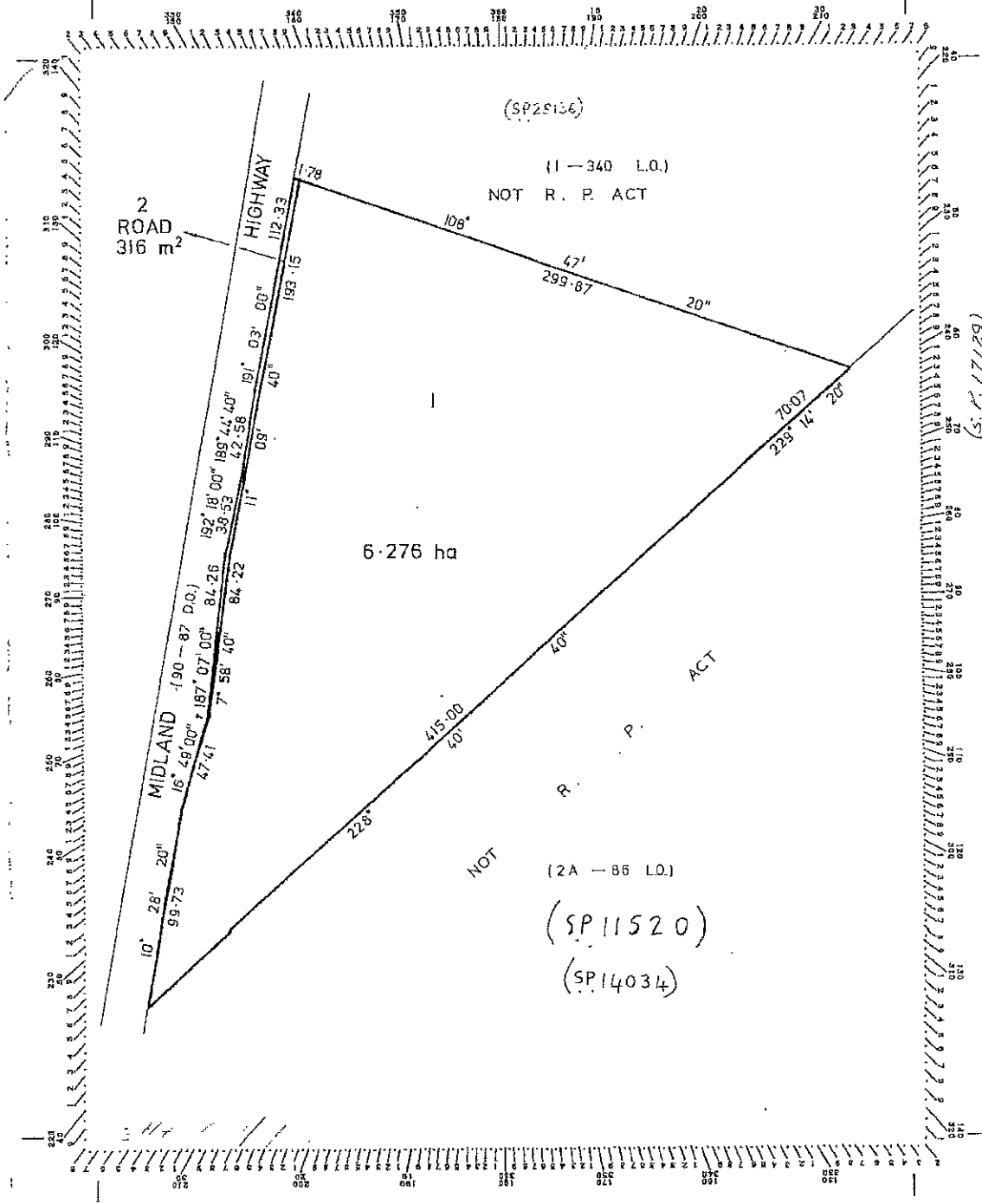
FOLIO PLAN

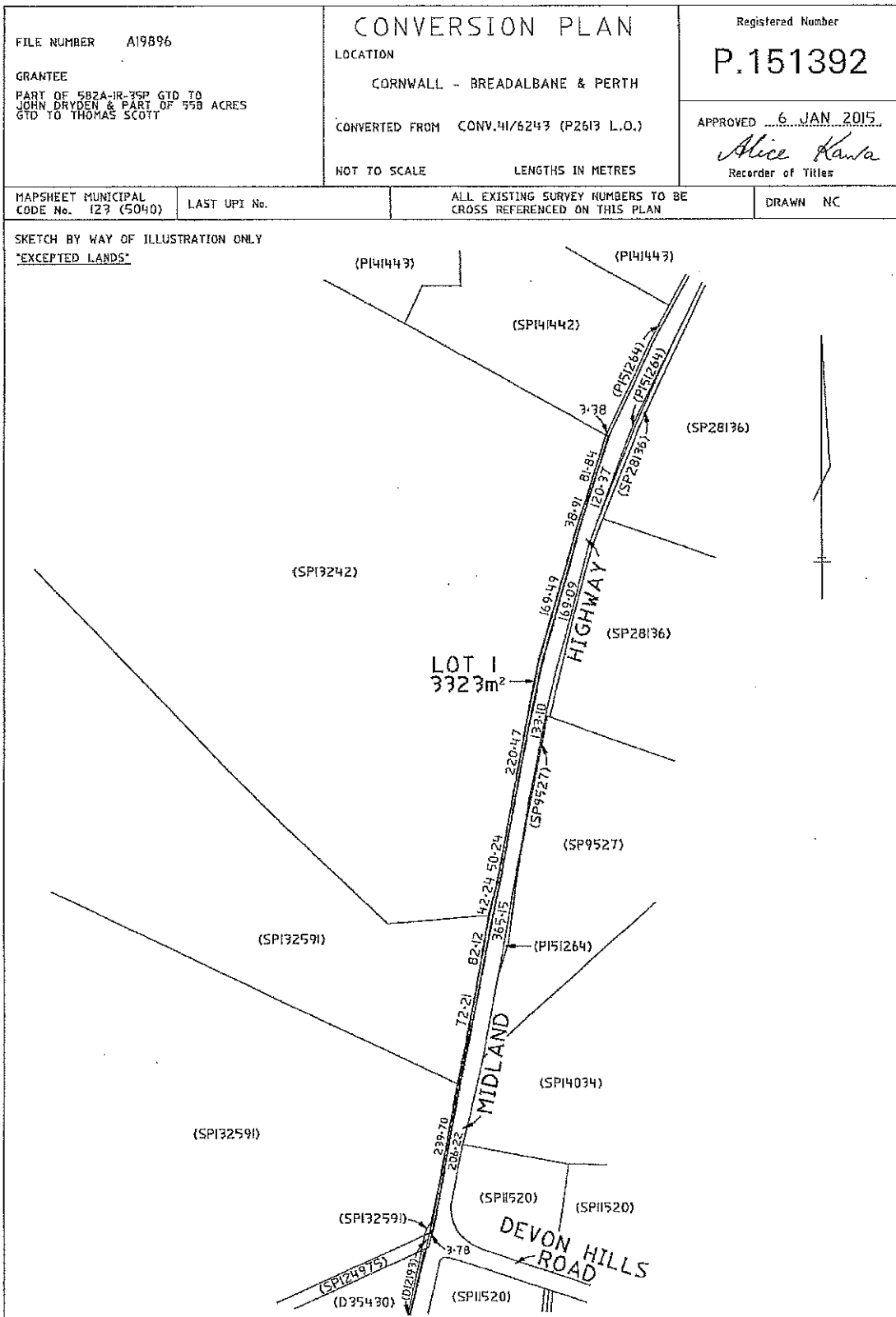
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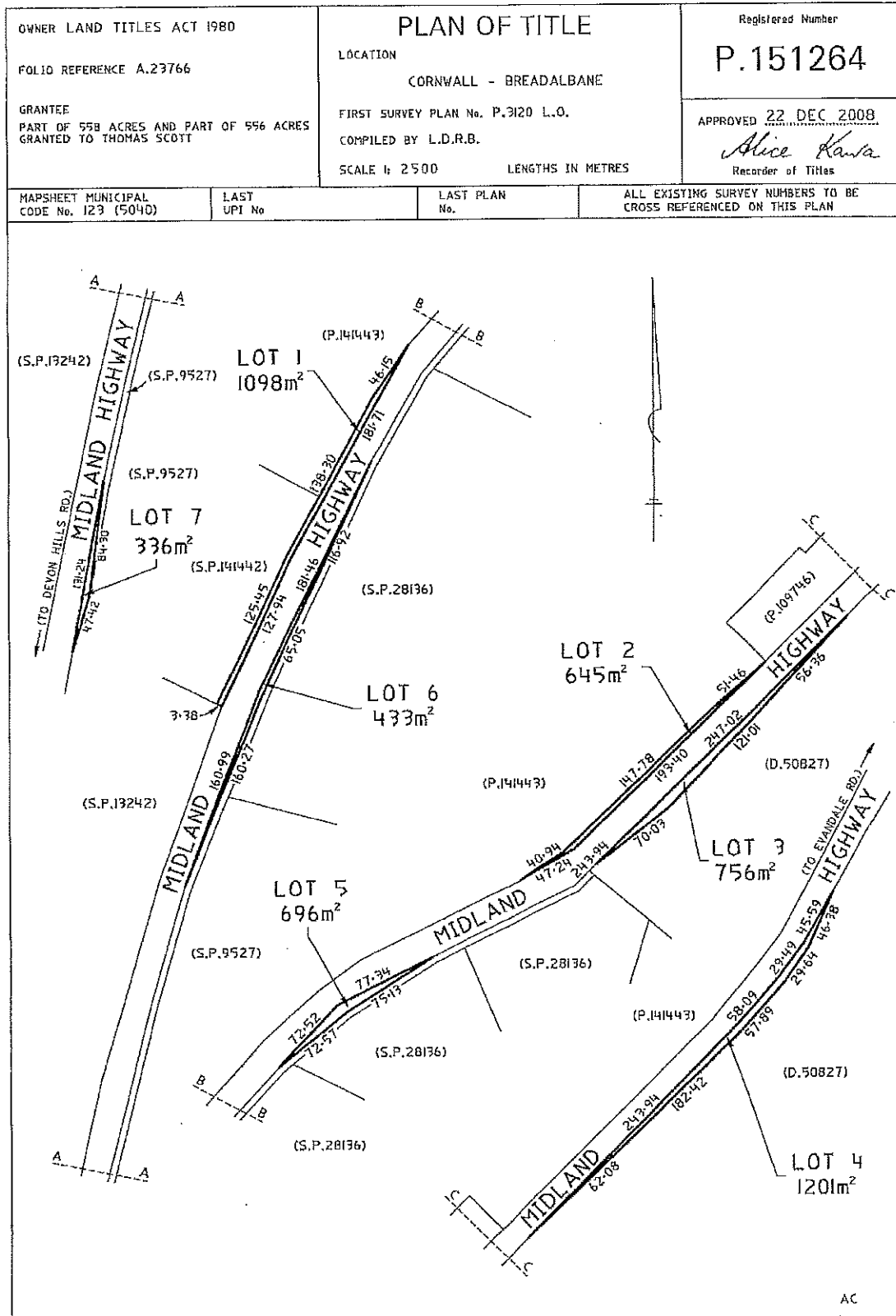
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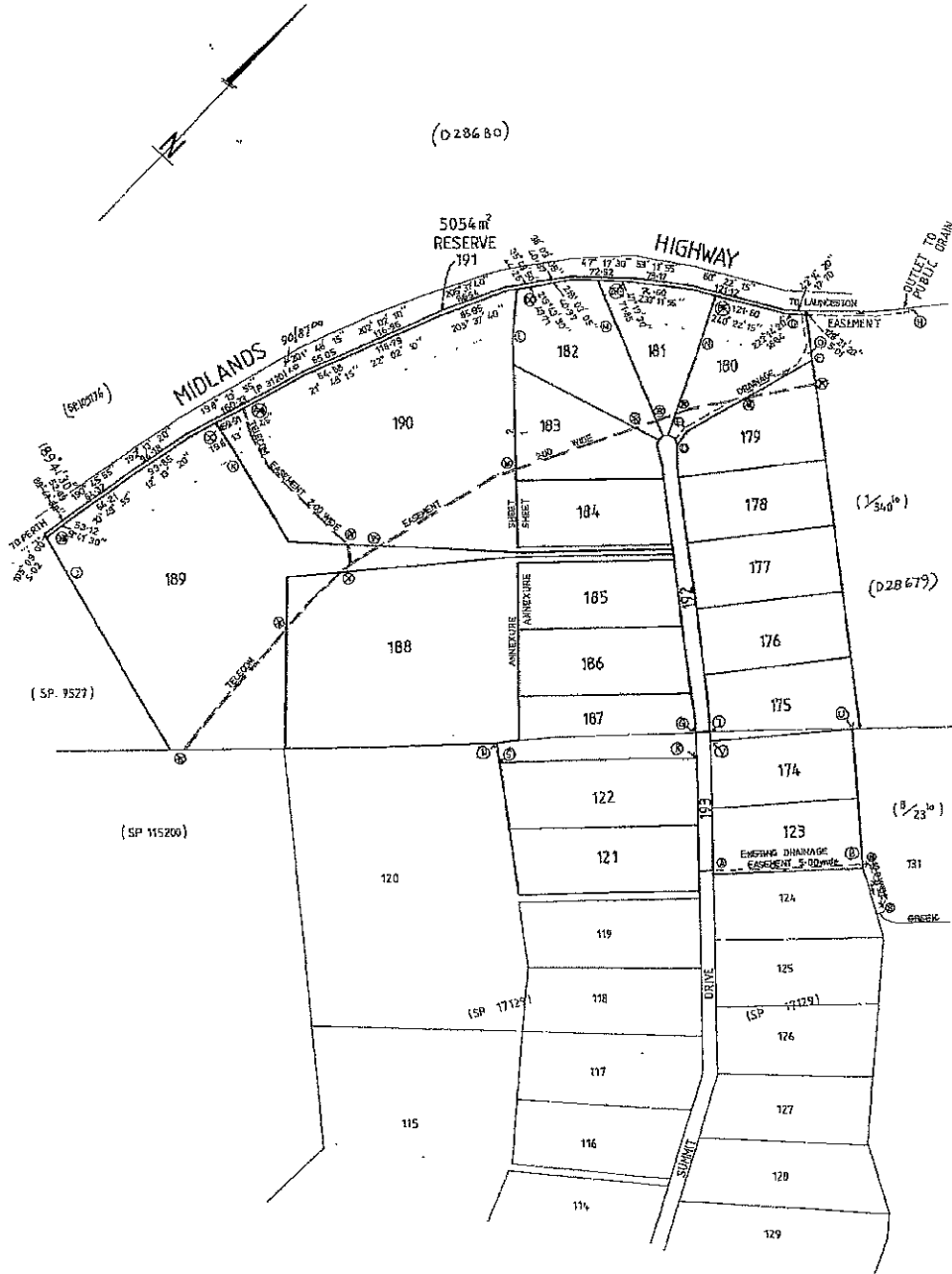
Owners: Doreen May Hardman & Terence Edward Hardman	PLAN OF SURVEY by Surveyor <i>C. J. Cohen</i> of land situated in the	Registered Number: S.P9527
Title Reference: Assent No 47 - 2130	LAND DISTRICT OF CORNWALL PARISH OF BREADALBANE	
Grantee: Part of 558 acres granted to Thomas Scott.	Scale 1:2 000	Effective from: 13 JUL 1977  Recorder of Titles








Owner: DRANA COURT PTY LTD BOREEN MAY HARDMAN & TERENCE EDWARD HARDMAN	PLAN OF SURVEY by Surveyor EDWARD MCRAE PEOLLEY of land situated in the	Registered Number: 5.P28136
Title Reference: CT 4185/5 ASSENT 47/2130	LAND DISTRICT OF CORNWALL	Approved Effective from:
Grantee: PART OF 556 ac GRANTED TO THOMAS SCOTT PART OF 558 ac GRANTED TO THOMAS SCOTT PART OF 1321 ac GRANTED TO ROBERT CAMPBELL	PARISH OF BREADALBANE & PERTH SCALE 1:4000 MEASUREMENTS IN METRES	Recorder of Titles

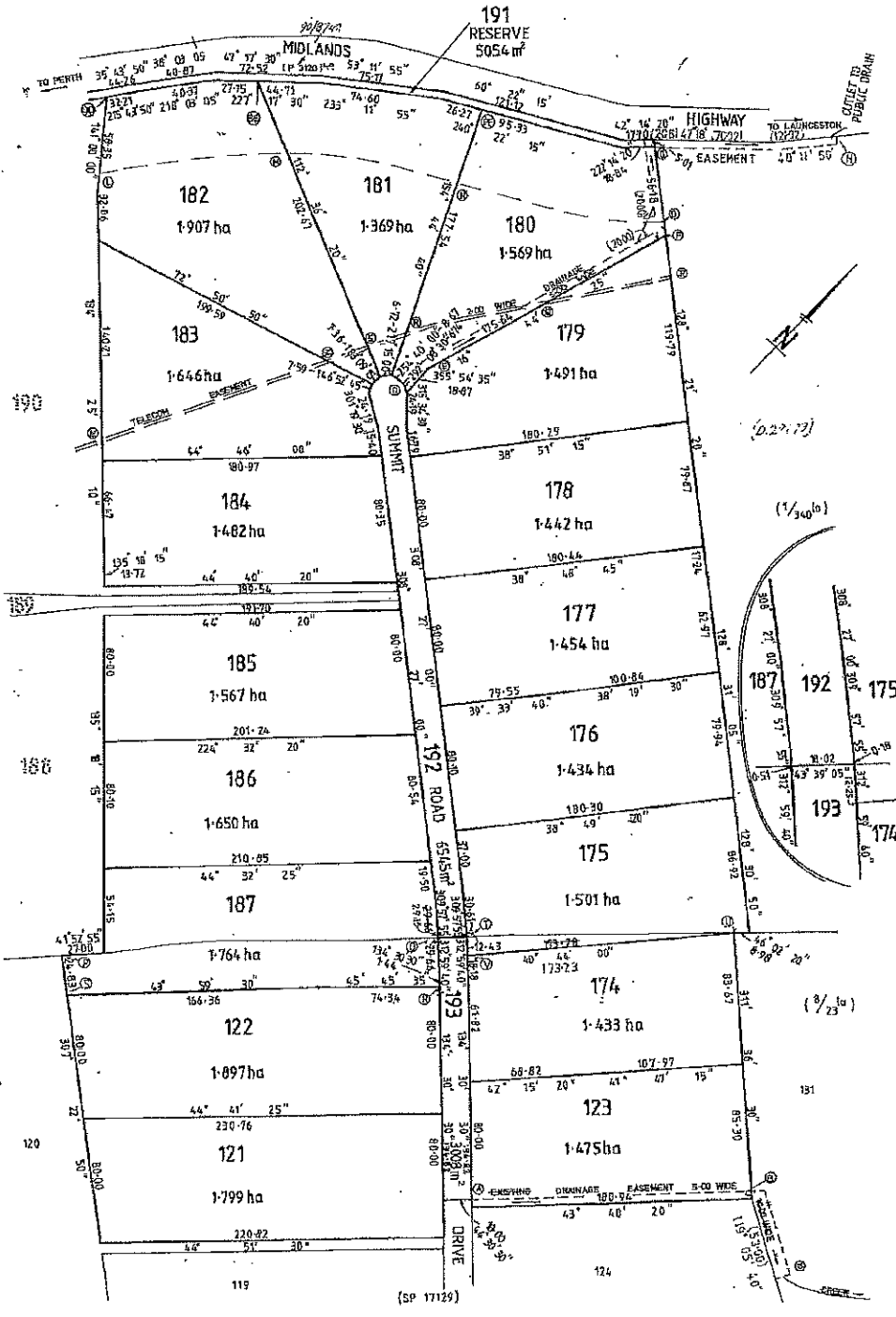


FOLIO PLAN
RECORDER OF TITLES

Issued Pursuant to the Land Titles Act 1980



ANNEXURE SHEET No.1 (of 2 annexures) to plan by Surveyor	This sheet contains detailed drawings of parcels shown on the index plan to which it is attached, which plan is verified by my certificate dated 3-10-85 and that certificate extends to the detail shown on this sheet.	Registered Number: S.P28136
Signed for the purposes of Identification  Council Clerk	Surveyor: <i>M. Reddy</i> Owner: ORANA COURT PTY LTD DOREEN MAY & TERENCE EDWARD HARUMAN Title Reference: 4183/3 CE ASSENT 41/2130	Scale 1:2000 Measurements in Metres

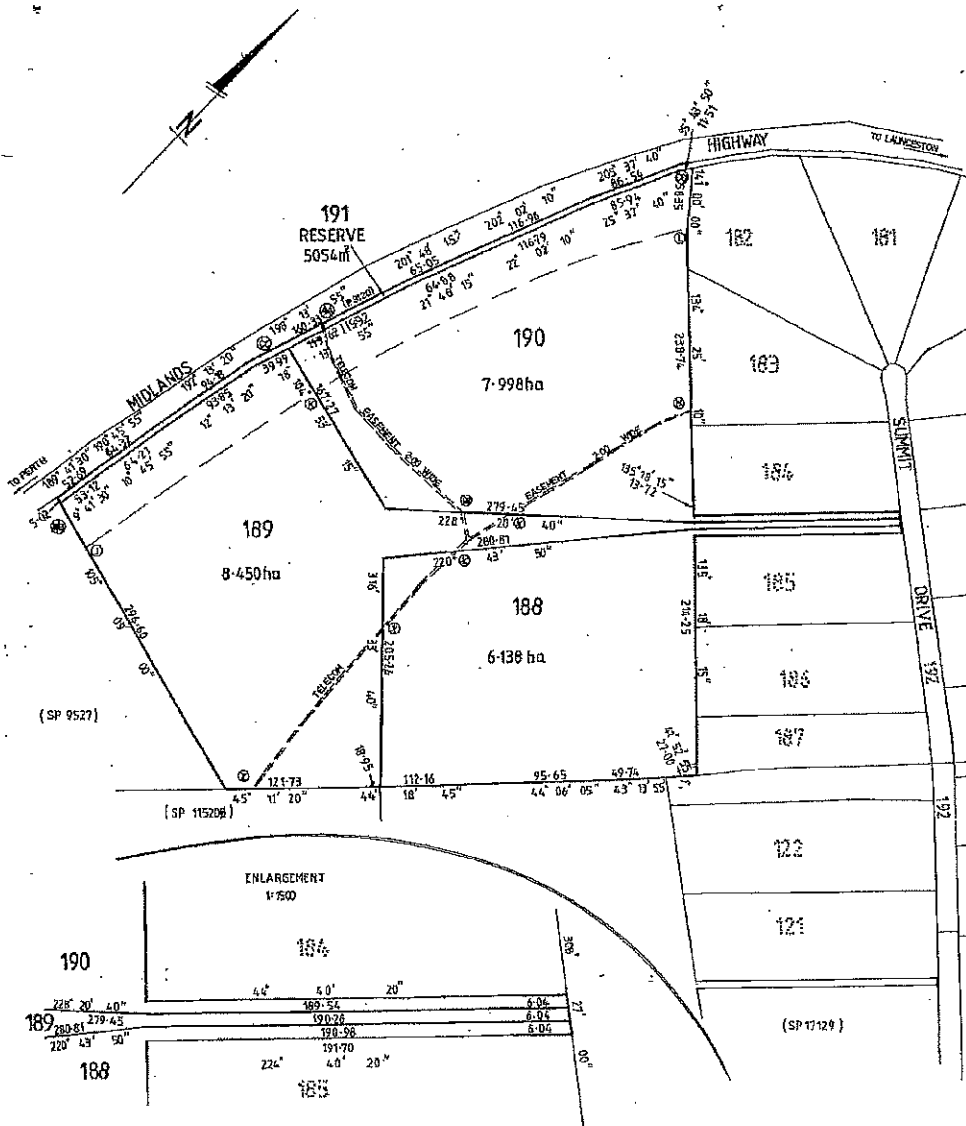


FOLIO PLAN RECORDER OF TITLES

Issued Pursuant to the Land Titles Act 1980



ANNEXURE SHEET No. 2 (of 2 annexures) to plan by Surveyor Signed for the purposes of identification Council Clerk: <i>[Signature]</i>	This sheet contains detailed drawings of parcels shown on the index plan to which it is attached, which plan is verified by my certificate dated 09.10.05 and that certificate extends to the detail shown on this sheet. Surveyor: <i>[Signature]</i>	Registered Number: S.P28136
	Owner: DOREEN MAY & TERENCE EDWARD HARDMAN Title Reference: ASSENT 47/2130	Scale 1:3000 Measurements in Metres



FOLIO PLAN

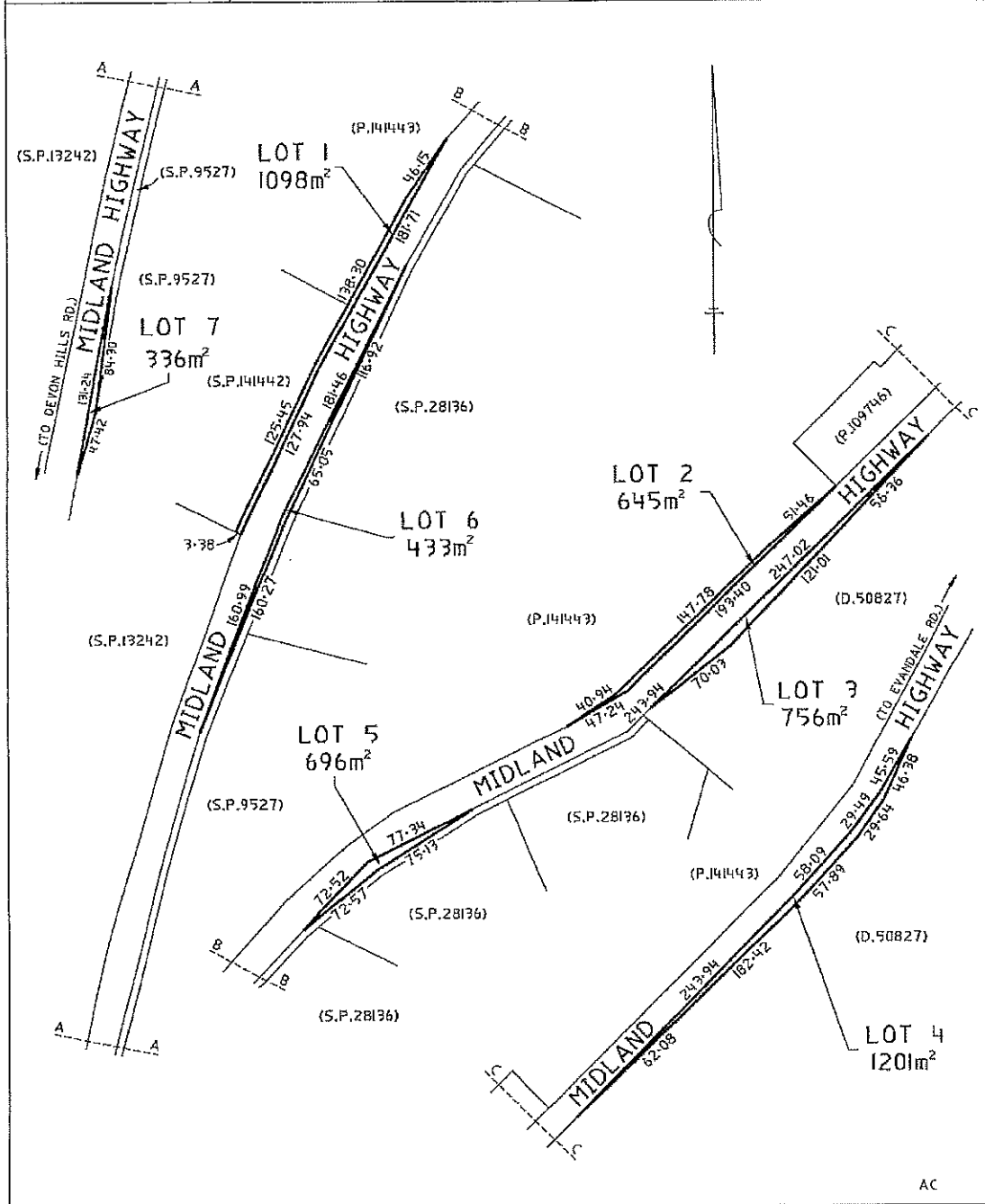
RECORDER OF TITLES

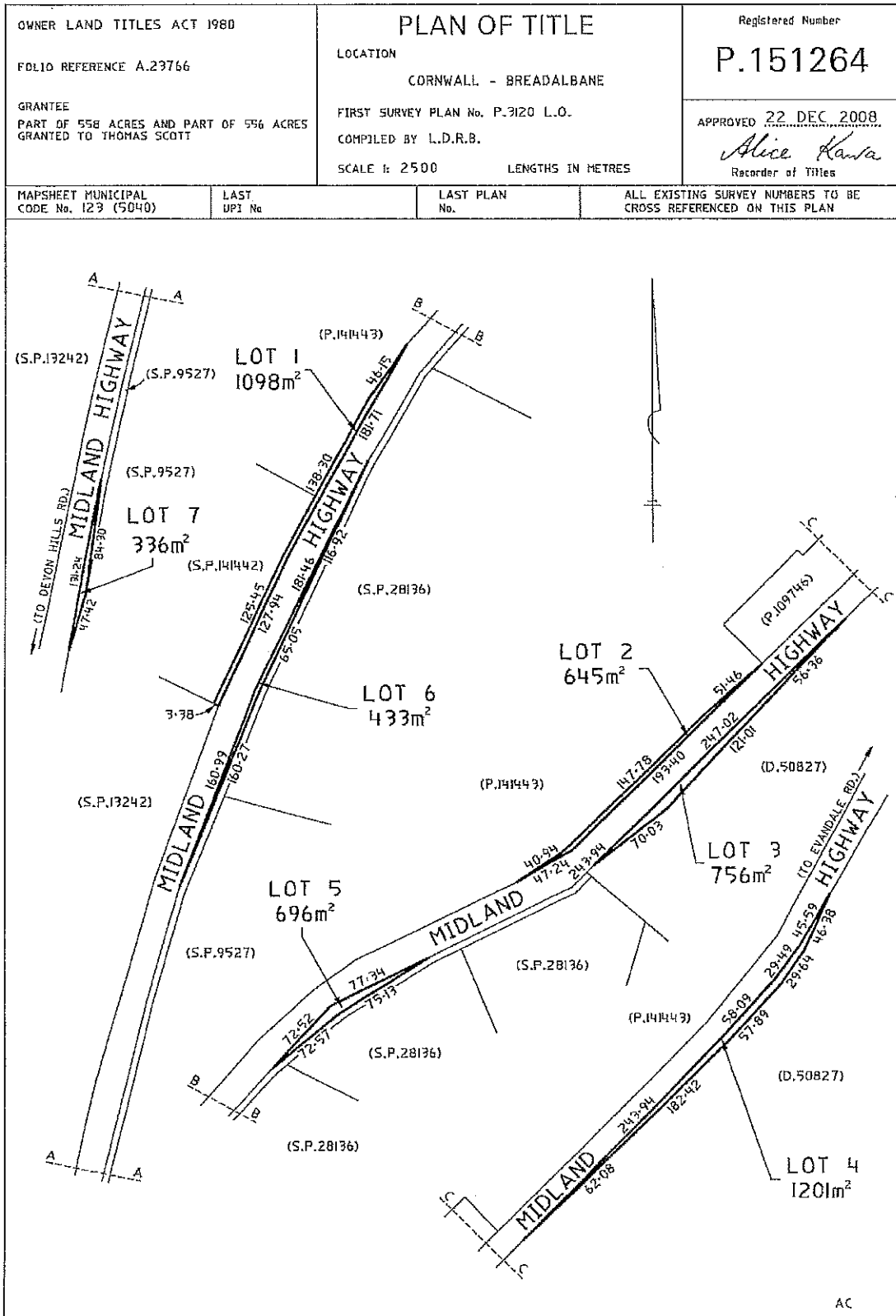
Issued Pursuant to the Land Titles Act 1980



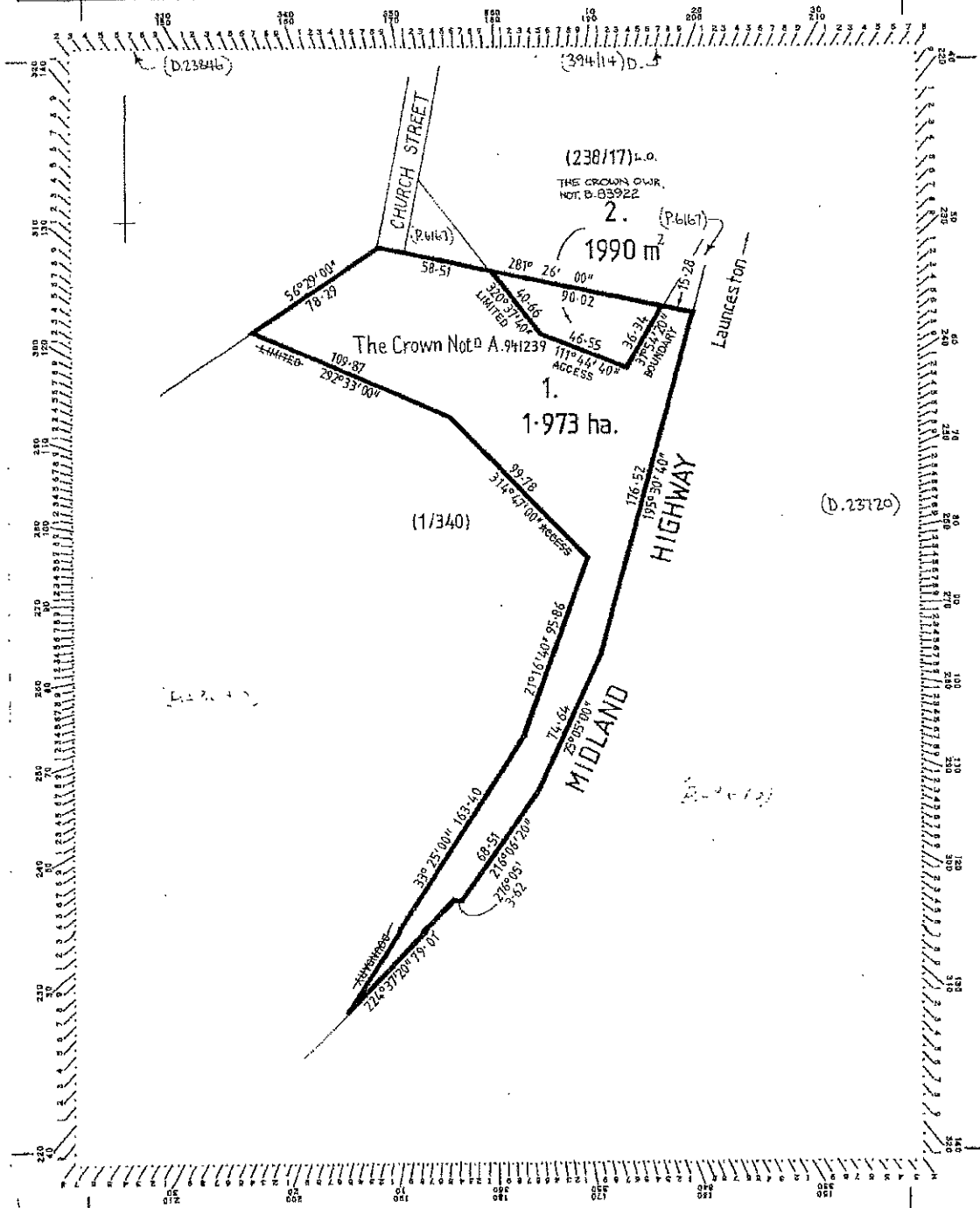
OWNER LAND TITLES ACT 1980 FOLIO REFERENCE A.23766 GRANTEE PART OF 558 ACRES AND PART OF 556 ACRES GRANTED TO THOMAS SCOTT	PLAN OF TITLE		Registered Number P.151264
	LOCATION CORNWALL - BREADALBANE FIRST SURVEY PLAN No. P.3120 L.O. COMPILED BY L.D.R.B. SCALE 1: 2500 LENGTHS IN METRES		APPROVED <u>22 DEC 2008</u> <i>Alice Kawa</i> Recorder of Titles

MAPSHEET MUNICIPAL CODE No. 123 (5040)	LAST UPI No	LAST PLAN No.	ALL EXISTING SURVEY NUMBERS TO BE CROSS REFERENCED ON THIS PLAN
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Owner: Terence Edward Hardman and Doreen May Hardman.	PLAN OF SURVEY by Surveyor J.R. DAVEY of land situated in the	Registered Number: D23719
Title Reference: Conv. 47-2130	LAND DISTRICT OF CORNWALL PARISH OF BREADALBANE	Effective from: -7 JUL 1986
Grantee: Part of 556 ac. & 550 ac. Gtd to Thomas Scott.	SCALE 1: 2000 MEASUREMENTS IN METRES	<i>Acting</i> Recorder of titles



FOLIO PLAN

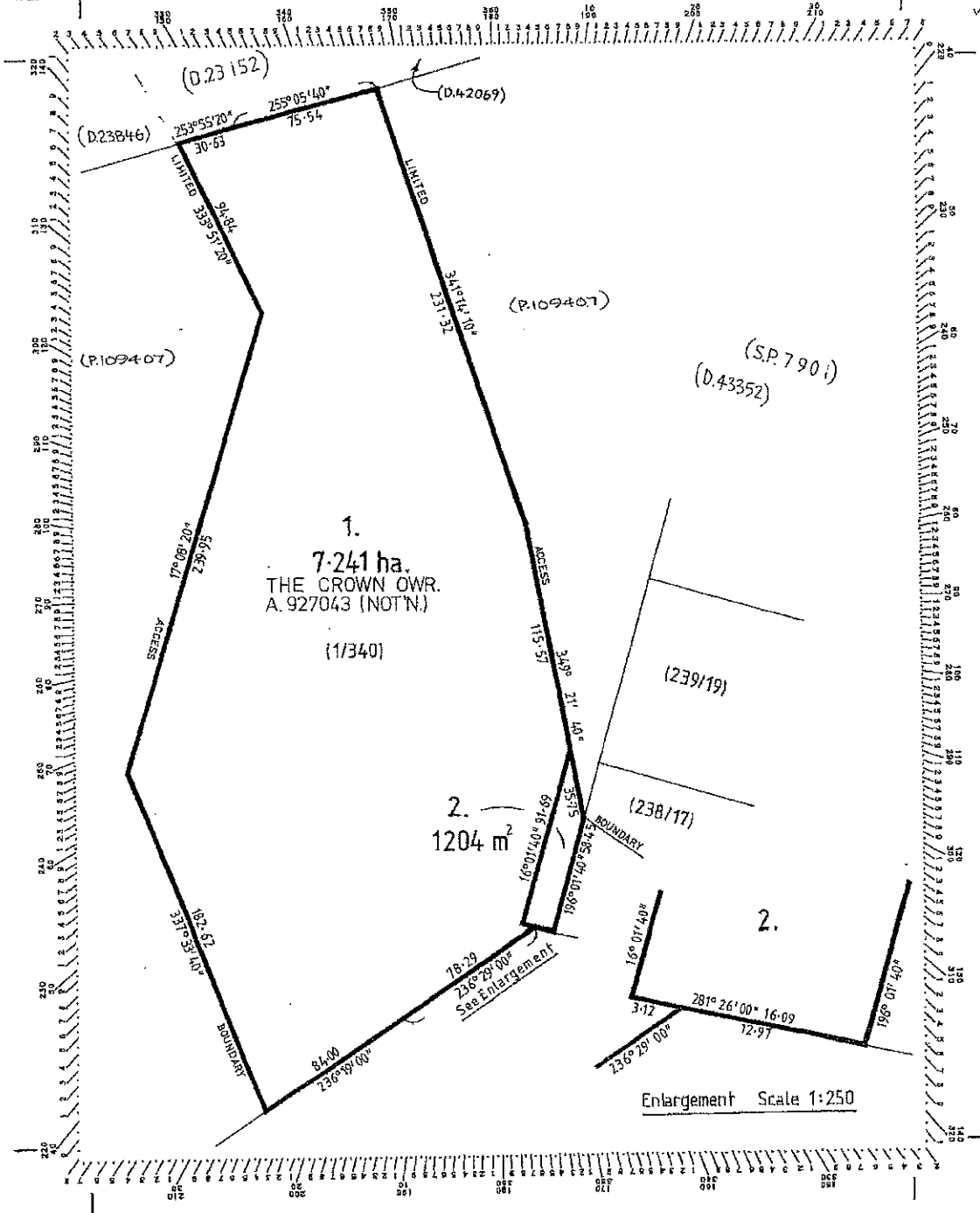
RECORDER OF TITLES

Issued Pursuant to the Land Titles Act 1980

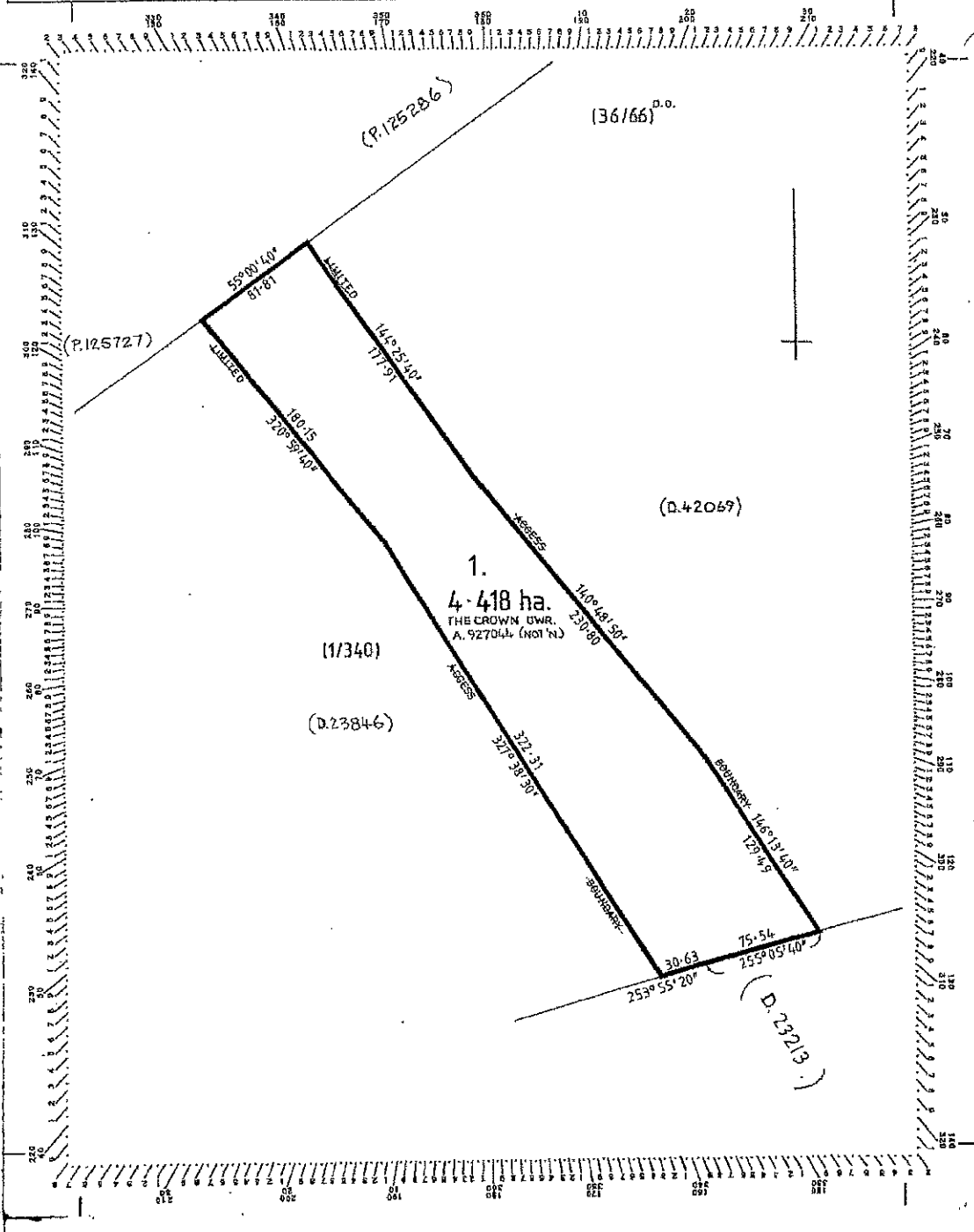


D 23213

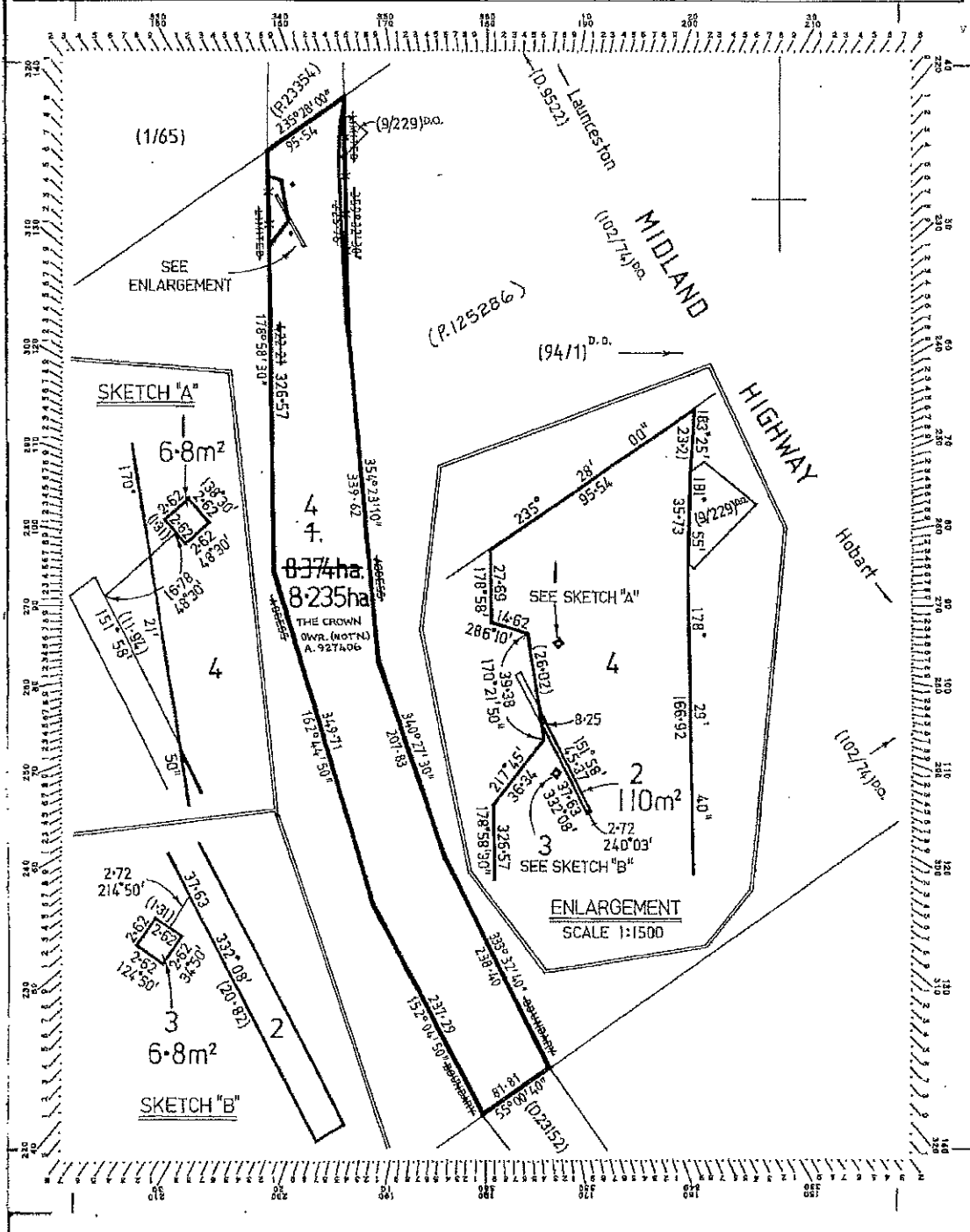
Owner: Lot 1. Estate of E. T. Blyth.	PLAN OF SURVEY by Surveyor J. R. DAVEY of land situated in the	Registered Number: D23213
Title Reference: Lot 1. Conv. 57-368 20-3324	LAND DISTRICT OF CORNWALL PARISH OF BREADALBANE	Effective from: 19 MAR 1985
Grantee: 84Ac. Part of 1560 ac. Gtd to Thomas Scott.	SCALE 1: 2000 MEASUREMENTS IN METRES	<i>E. R. Thompson</i> Recorder of Titles



Owner: Colin Roy Le Fevre.	PLAN OF SURVEY by Surveyor <u>J. R. DAVEY</u> of land situated to the	Registered Number: D23152
Title Reference: Conv. 40-2228	LAND DISTRICT OF CORNWALL PARISH OF BREADALBANE	
Grantee: 584 ac. Part of 456 ac. Gtd to Thomas Scott.		
SCALE 1:2500 MEASUREMENTS IN METRES		Recorder of Titles



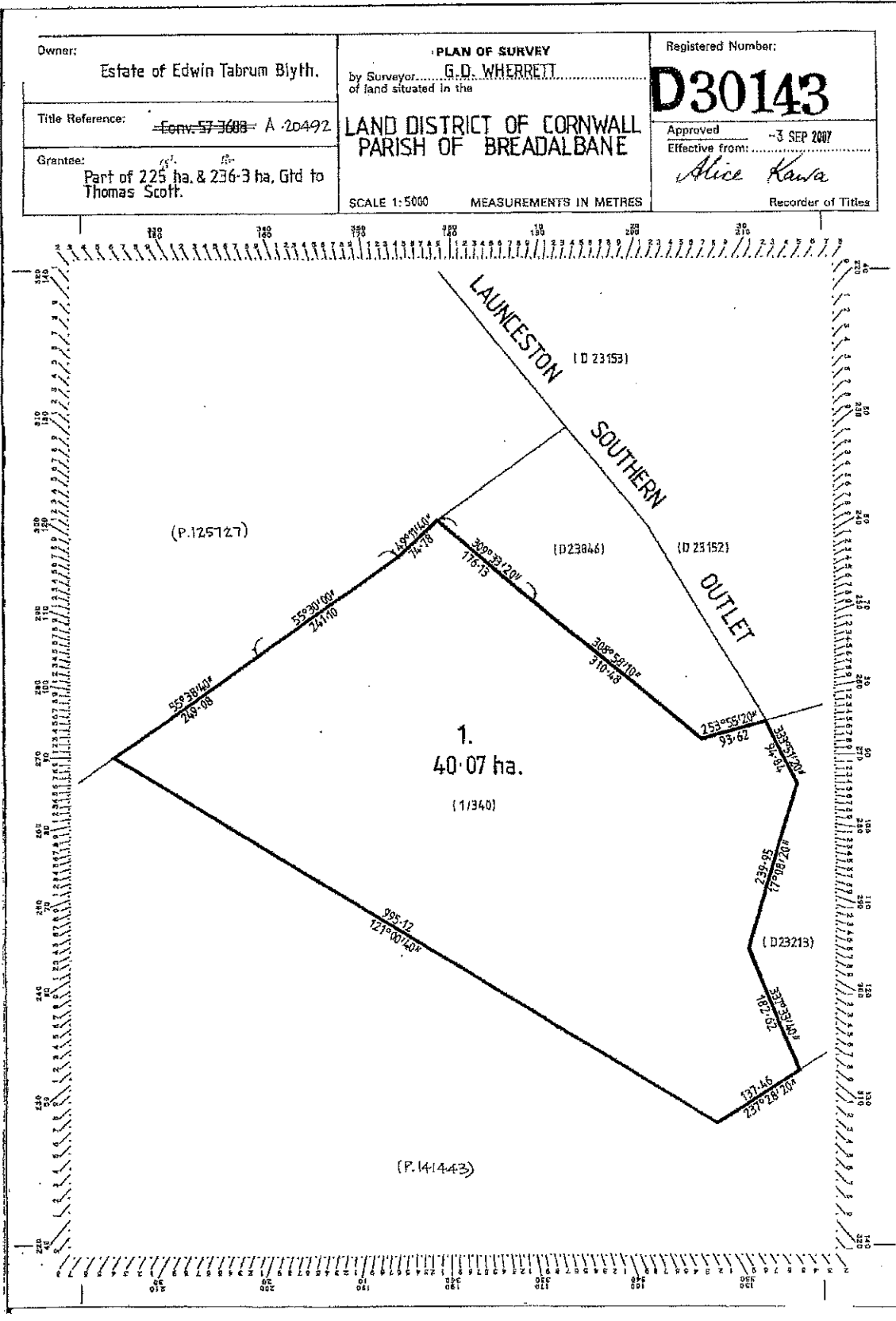
Owner: Miran Roy McQueen, & Anr.	PLAN OF SURVEY by Surveyor <u>J. R. DAVEY</u> of land situated in the	Registered Number: D23153
Title Reference: Conv. 44-6195 & Conv. 43-83	LAND DISTRICT OF CORNWALL PARISH OF BREADALBANE	Approved: 30 APR 1985 Effective from:
Grantee: Part of 300 ac. & 500 ac. Located to John Smith.	SCALE 1:4000 MEASUREMENTS IN METRES	<i>E. R. Thompson</i> Recorder of Titles



FOLIO PLAN

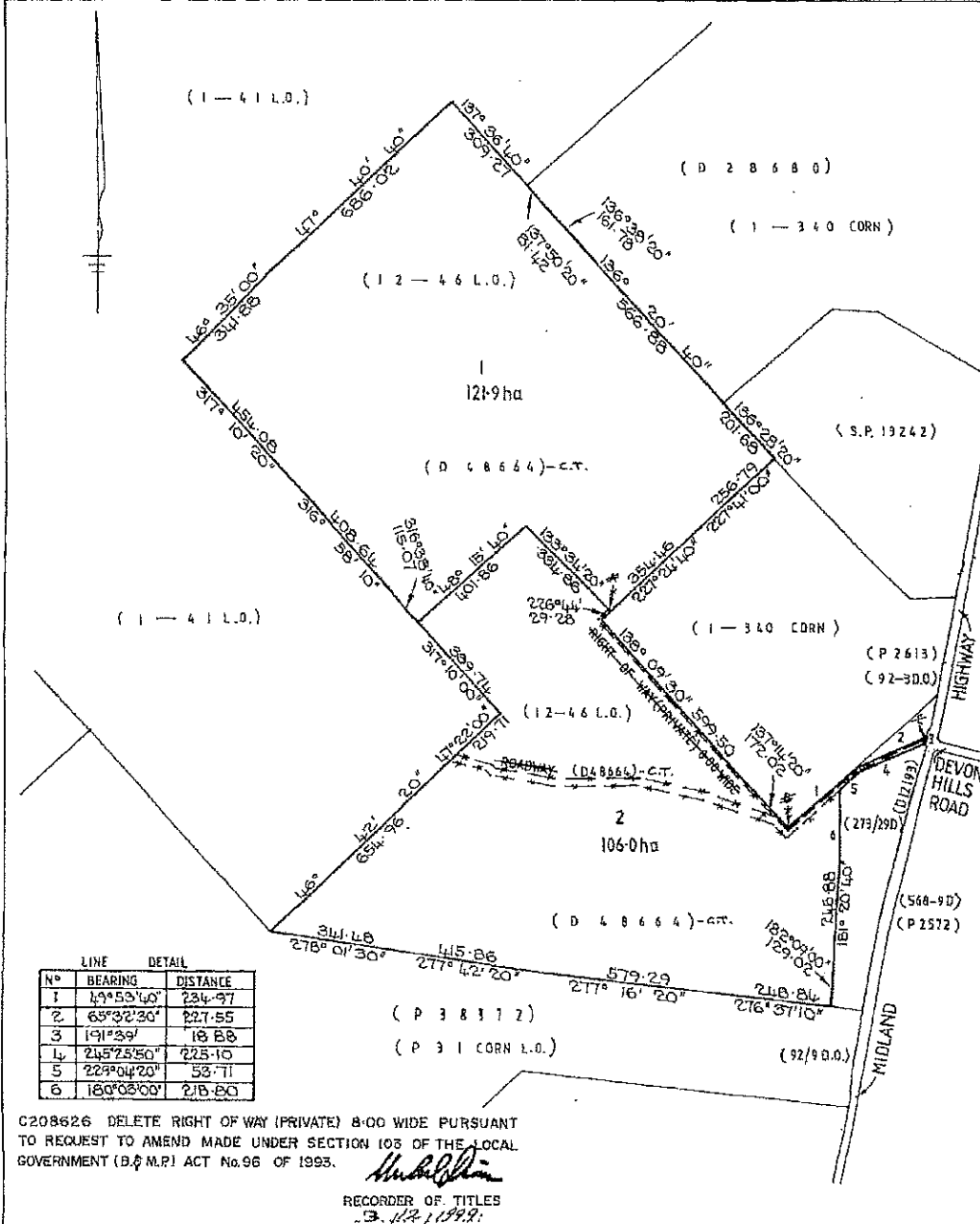
RECORDER OF TITLES

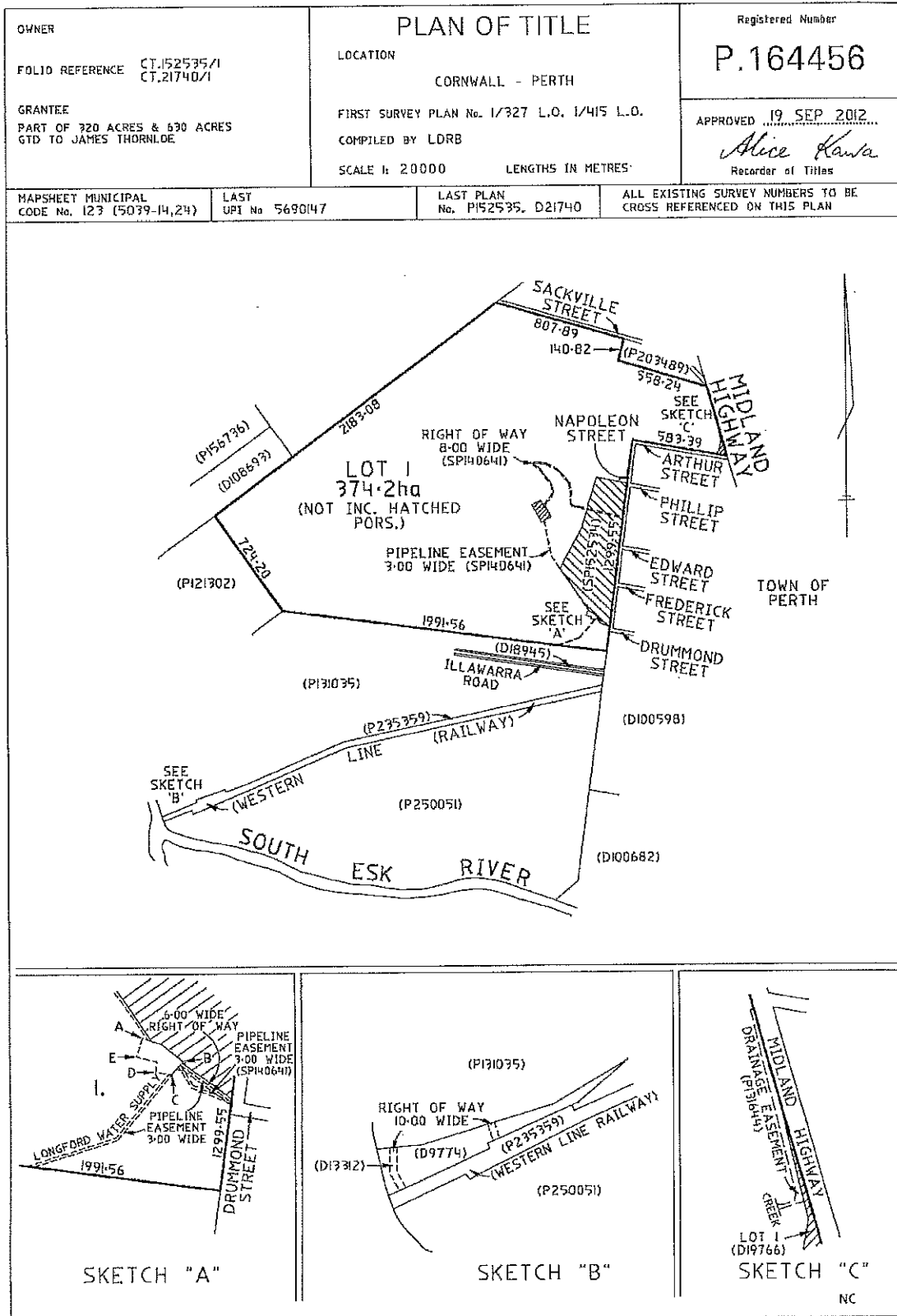
Issued Pursuant to the Land Titles Act 1980



72/52 (2935)

OWNER STANLEY JOHN SAUNDERS BARRY GEORGE SAUNDERS ROBERT JAMES SAUNDERS	PLAN OF SURVEY	REGISTERED NUMBER SP124975
FOLIO REFERENCE C.T. VOL 4,8664, FOL 1	BY SURVEYOR M.S. GIUDICI OF COHEN & ASSOCIATES PTY.LTD, LAUNCESTON.	APPROVED 16 JAN 1997 EFFECTIVE FROM
GRANTEE PART OF 582A1R25P GRANTED TO JOHN DRYDEN.	LOCATION LAND DISTRICT OF CORNWALL PARISH OF PERTH	Record of Titles
SCALE 1:10,000 LENGTHS IN METRES		
MAPSHEET MUNICIPAL CODE No. 123	LAST UPL No. 5600027	LAST PLAN No. 04,8664
ALL EXISTING SURVEY NUMBERS TO BE CROSS REFERENCED ON THIS PLAN		





FOLIO PLAN

RECORDER OF TITLES

Issued Pursuant to the Land Titles Act 1980



ORIGINAL - NOT TO BE REMOVED FROM TITLES OFFICE

R.P. 1468
TASMANIA
REAL PROPERTY ACT, 1862, as amended

CERTIFICATE OF TITLE

Register Book
Vol. Fol.

2246 11

NOTE - REGISTERED FOR OFFICE
CONVENIENCE TO REPLACE



Purchase Grant Vol. 10, Fol. 95.
I certify that the person described in the First Schedule is the registered proprietor of an estate in fee simple in the land within described together with such interests and subject to such encumbrances and interests as are shown in the Second Schedule. In witness whereof I have hereunto signed my name and affixed my seal.



M. Hutchinson

Recorder of Titles

DESCRIPTION OF LAND
PARISH OF PERTH LAND DISTRICT OF CORNWALL
TEN ACRES on the Plan hereon.

FIRST SCHEDULE (continued overleaf)

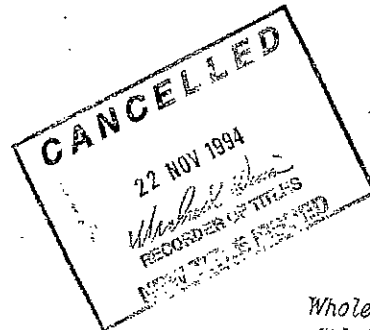
WILLIAM TARLETON WILLIAM LOVETT and WILLIAM
COCKBURN SHARLAND

SECOND SCHEDULE (continued overleaf)

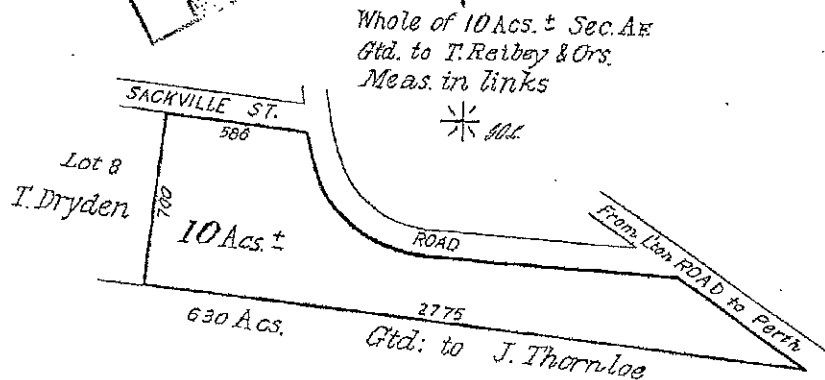
NIL

THE RECORDER OF TITLES ARE NO LONGER SUBSISTING.

Lot 1 of this plan consists of all the land comprised in the above-mentioned cancelled folio of the Register



REGISTERED NUMBER
203489



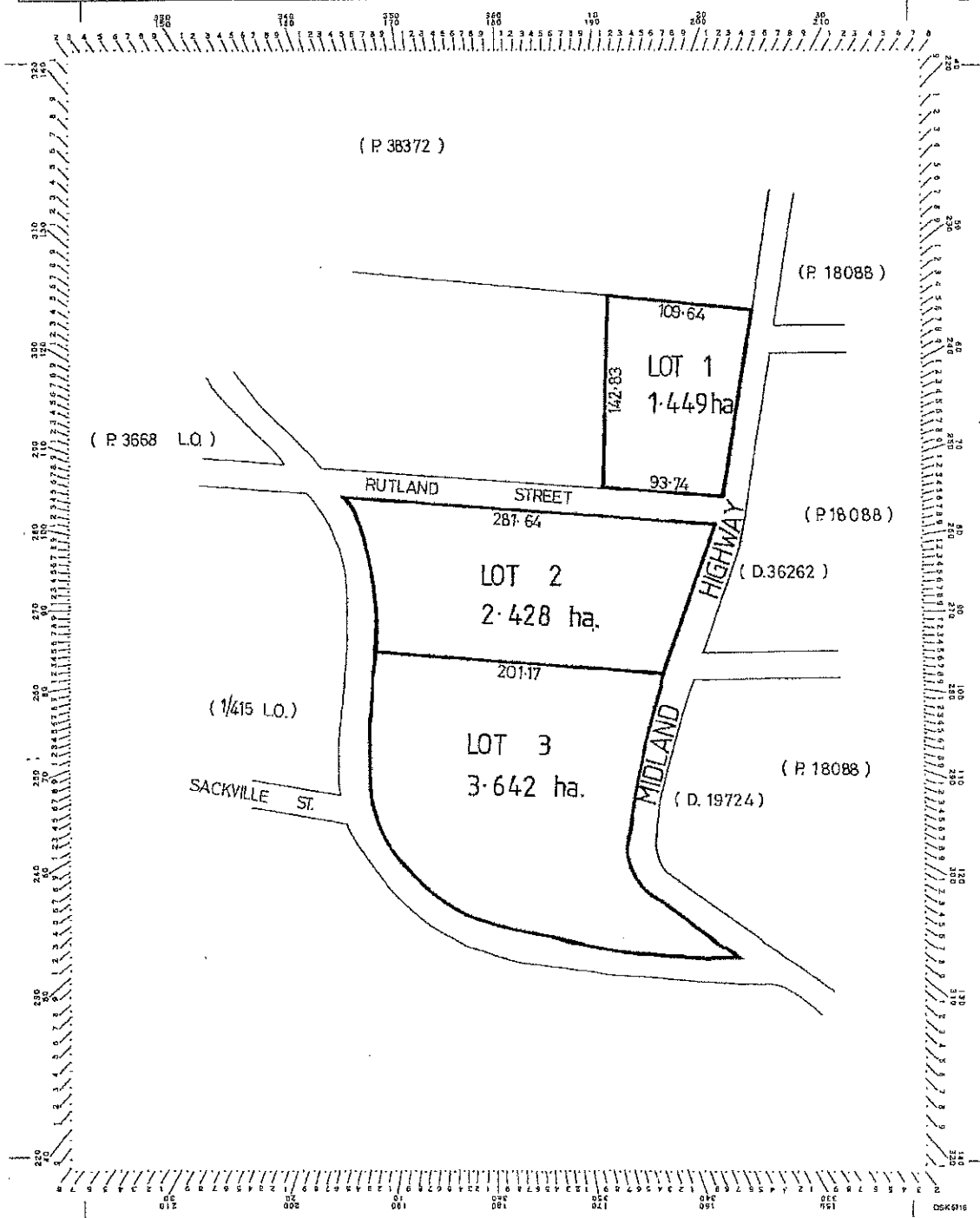
1st Edition. Registered 31 MAY 1967
Issued from P.G Vol. 10 Fol. 95.

FOLIO PLAN
RECORDER OF TITLES

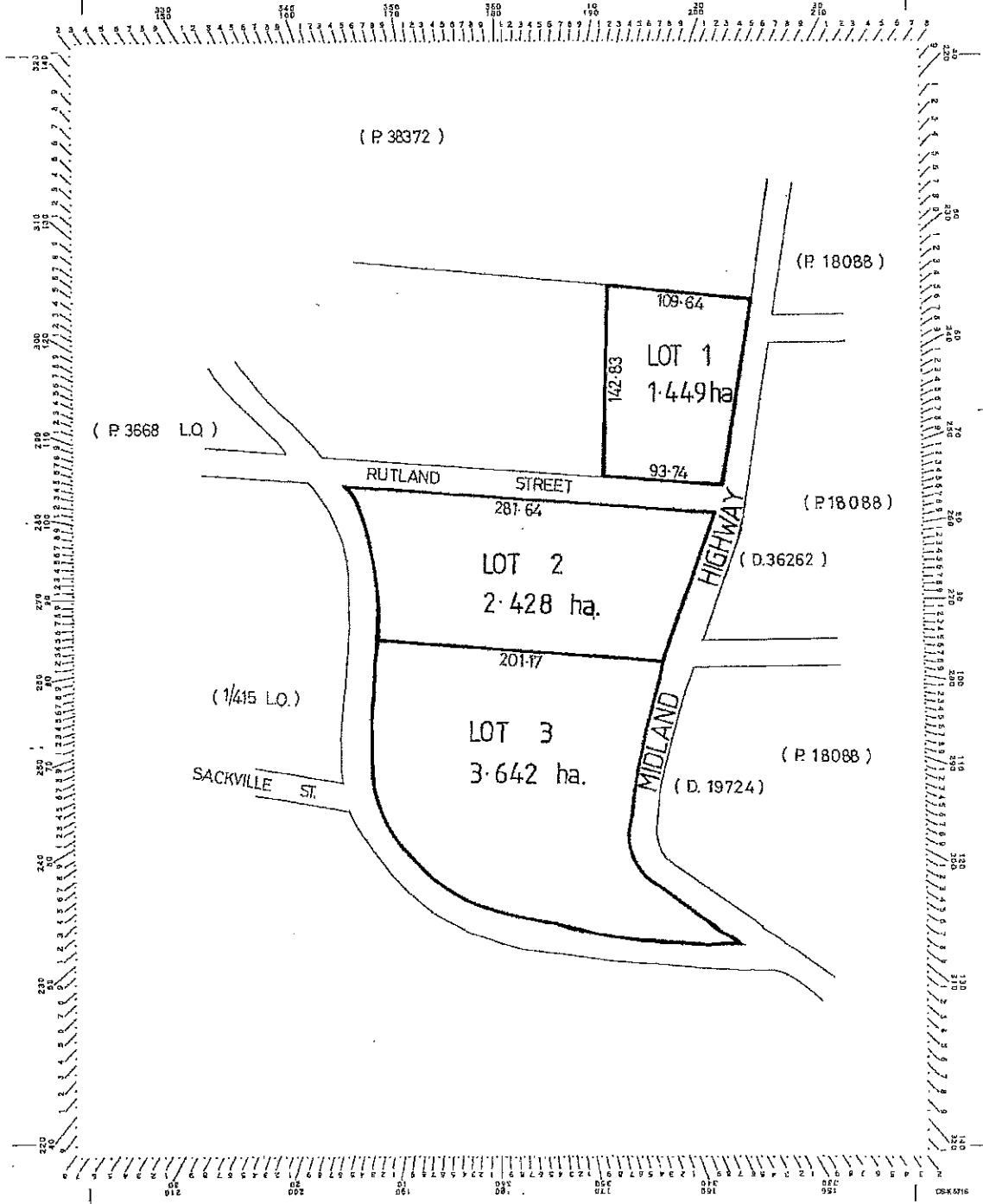
Issued Pursuant to the Land Titles Act 1980

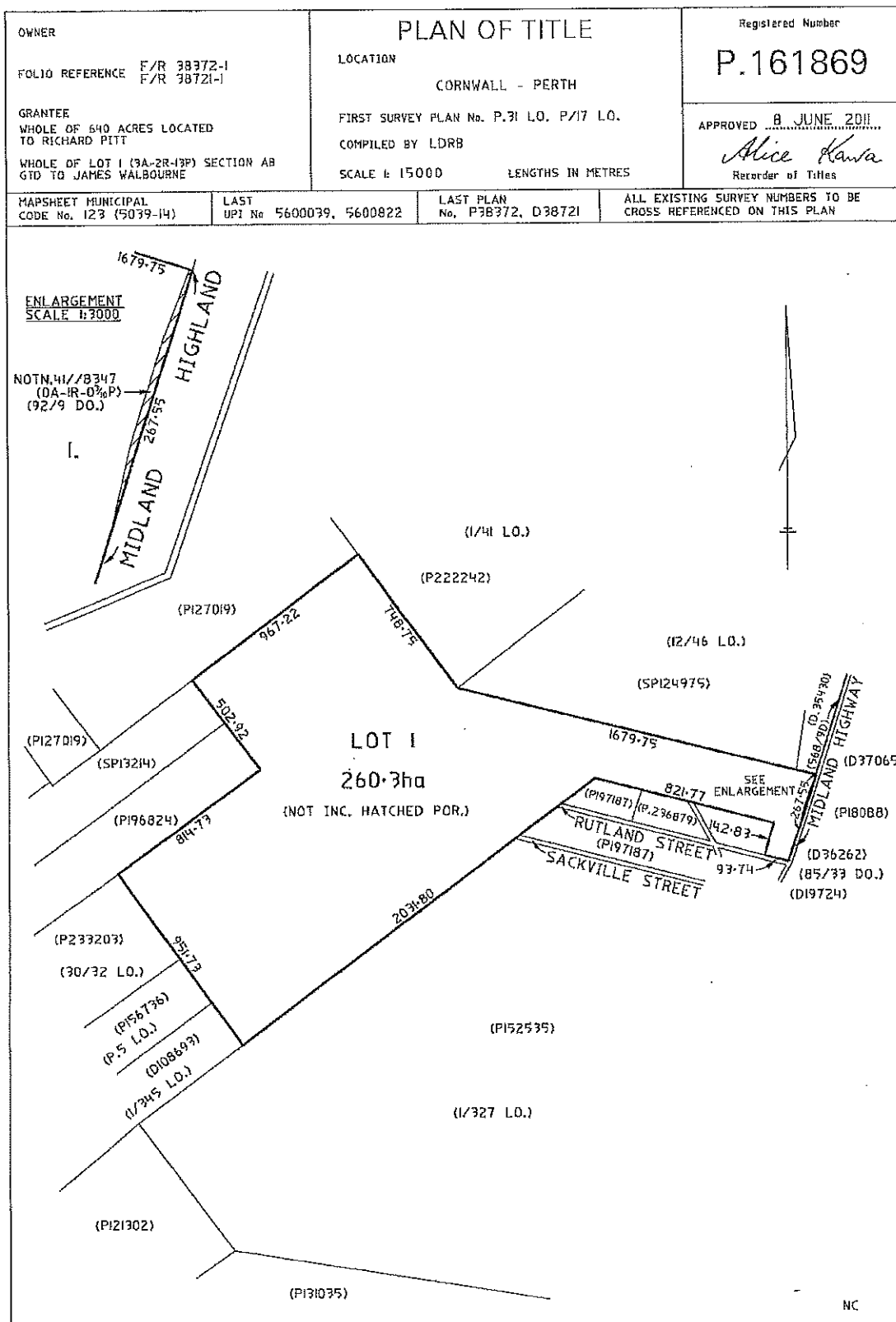


Owner: L.T. ACT 1980	PLAN OF SURVEY of land situated in the LAND DISTRICT OF CORNWALL PARISH OF PERTH	Registered Number: D. 38721
Title Reference: Y. 9876	COMPILED FROM P/17 L.O.	Approved.....
Grantees: WHOLE OF LOT 1, 3'-2'-13", SEC. AB, Gtd to JAMES WALBOURNE. WHOLE OF LOT 1, 6 Acres & LOT 2, 9 Acres, Gtd to JAMES WALBOURNE.	SCALE 1: 3000 MEASUREMENTS IN METRES	Recorder of Titles



Owner: L.T. ACT 1980	PLAN OF SURVEY of land situated in the LAND DISTRICT OF CORNWALL PARISH OF PERTH	Registered Number: D. 38721
Title Reference: Y. 9876	COMPILED FROM P/17 L.O.	Approved
Grantee: WHOLE OF LOT 1, 3 ^d -2 ^d -13 ^d , SEC. AB, Gtd to JAMES WALBOURNE. WHOLE OF LOT 1, 6 Acres & LOT 2, 9 Acres, Gtd to JAMES WALBOURNE.	SCALE 1: 3000 MEASUREMENTS IN METRES	Recorder of Titles





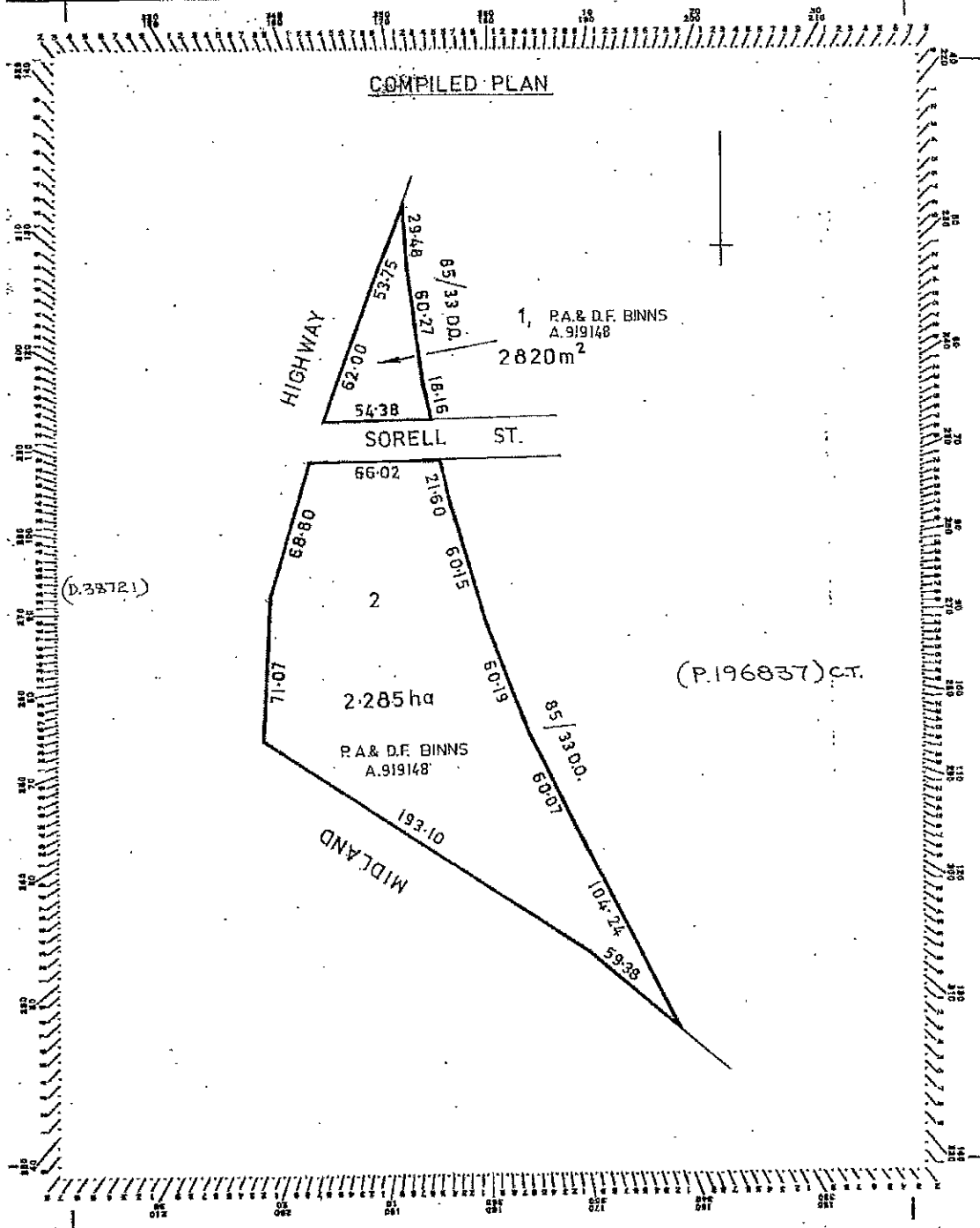
FOLIO PLAN

RECORDER OF TITLES

Issued Pursuant to the Land Titles Act 1980



Owner: A. W. BIRD	PLAN OF SURVEY by Surveyor of land situated in the PARISH TOWN OF PERTH, LAND DISTRICT OF CORNWALL	Registered Number: D.19724
Title Reference: C.T. 3958-58	SCALE 1: 2000 MEASUREMENTS IN METRES	Approved Effective from: 14 JAN 1983
Grantee: Part of 9 ⁰ 13, Sec. 11, Thomas Alcock, Part of 4 ⁰ 2 8, Sec. 11, James Trotter, and Part of 12 ⁰ 3 27 Sec. 11, Henry Rye (Junior.)		<i>J. Brindal</i> Acting Deputy Recorder of Titles



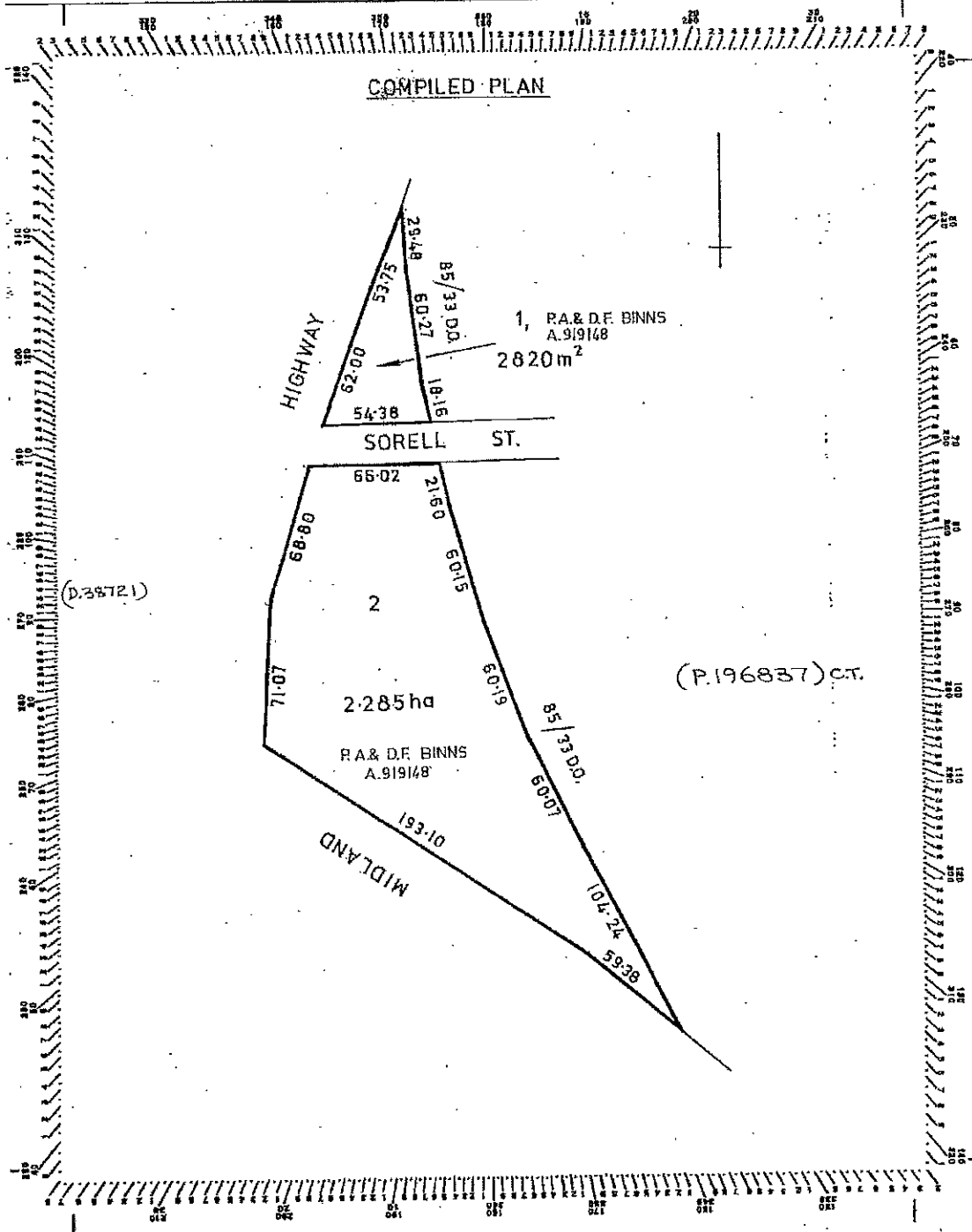
FOLIO PLAN

RECORDER OF TITLES

Issued Pursuant to the Land Titles Act 1980



Owner: A. W. BIRD	PLAN OF SURVEY by Surveyor of Land situated in the PARISH TOWN OF PERTH. LAND DISTRICT OF CORNWALL	Registered Number: D.19724
Title Reference: C.T. 3958-58	SCALE 1:2000 MEASUREMENTS IN METRES	Approved Effective from: 14 JAN 1983 <i>J. Binns</i> Acting Deputy Recorder of Titles
Grantee: Part of 9 ⁰ 13, Sec. 11, Thomas Alcock, Part of 4 ² 8, Sec. 11, James Trotter, and Part of 12 ³ 27 Sec. 11, Henry Pyc (Junior.)		



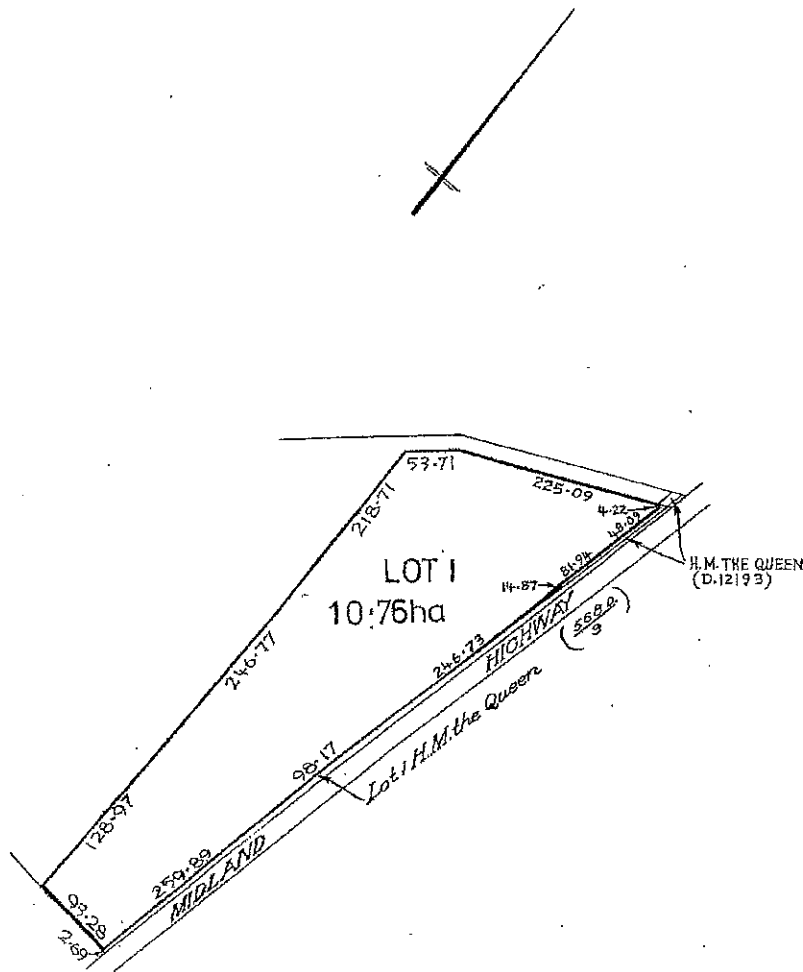
FOLIO PLAN

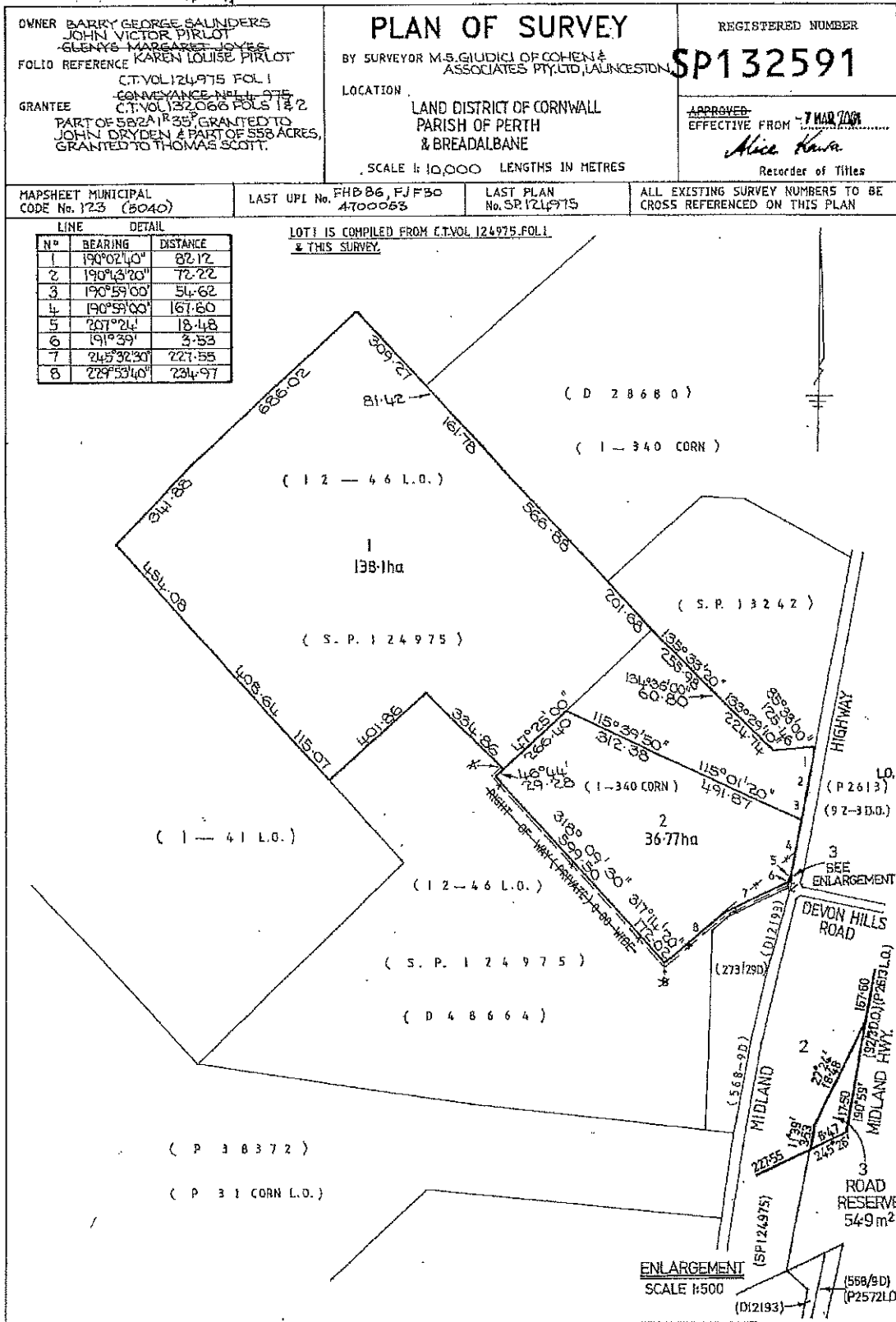
RECORDER OF TITLES

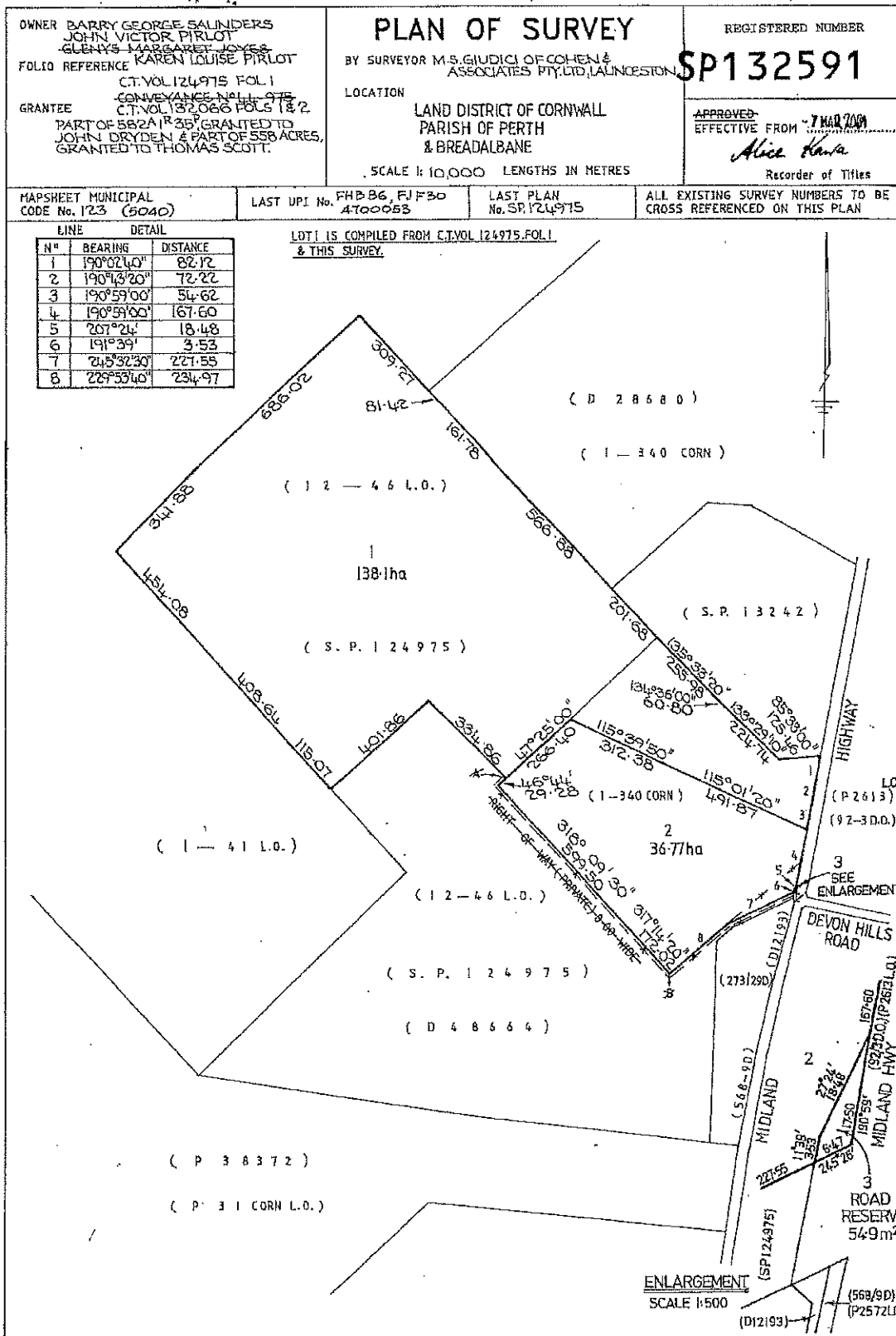
Issued Pursuant to the Land Titles Act 1980



Owner:	PLAN OF TITLE of land situated in the CORNWALL PERTH COMPILED FROM 273-29 D SCALE 1: 5000 MEASUREMENTS IN METRES	Registered Number: D.35430
Title Reference: C.T. 2492-74		Approved
Grantee:		Recorder of Titles

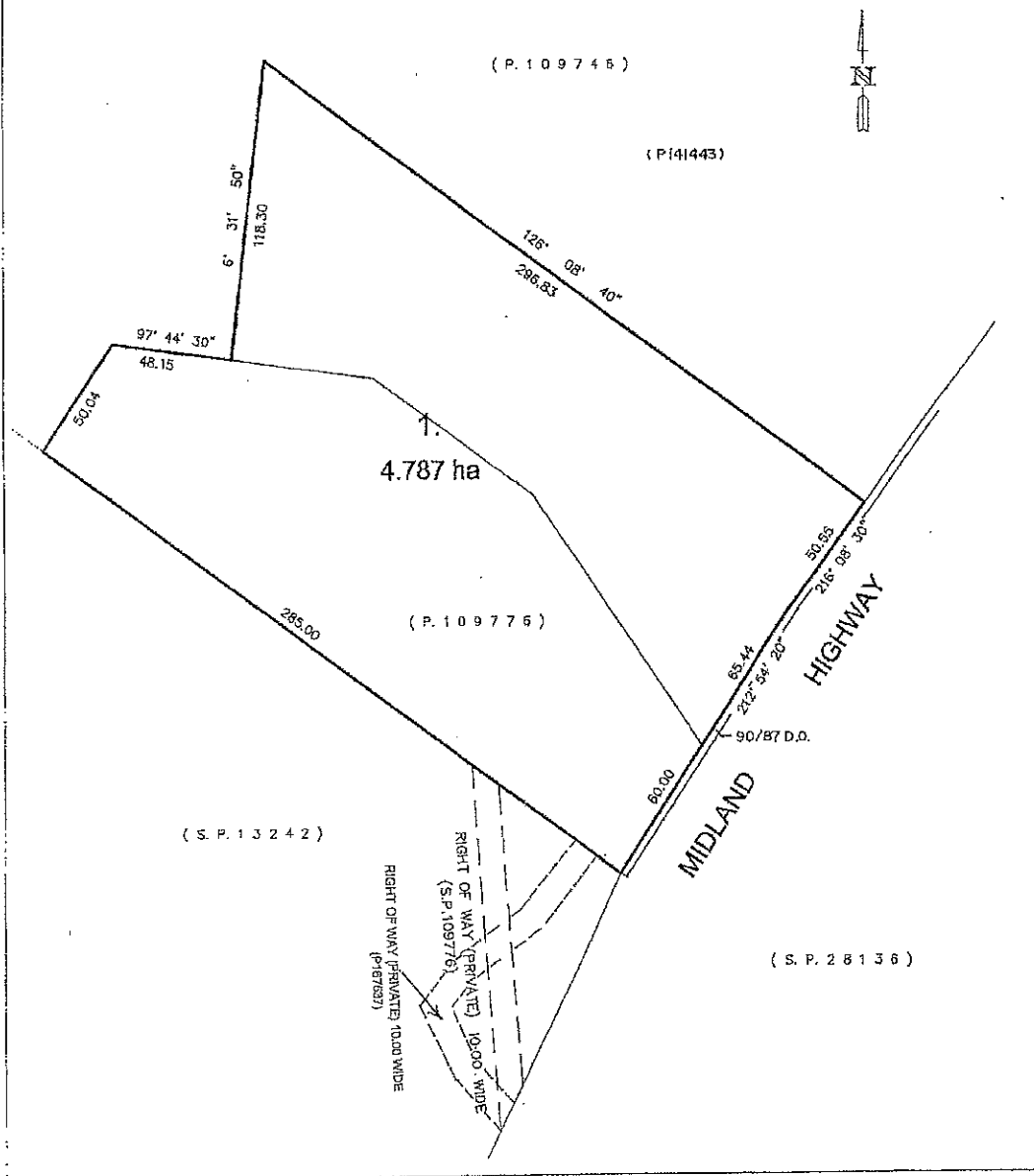






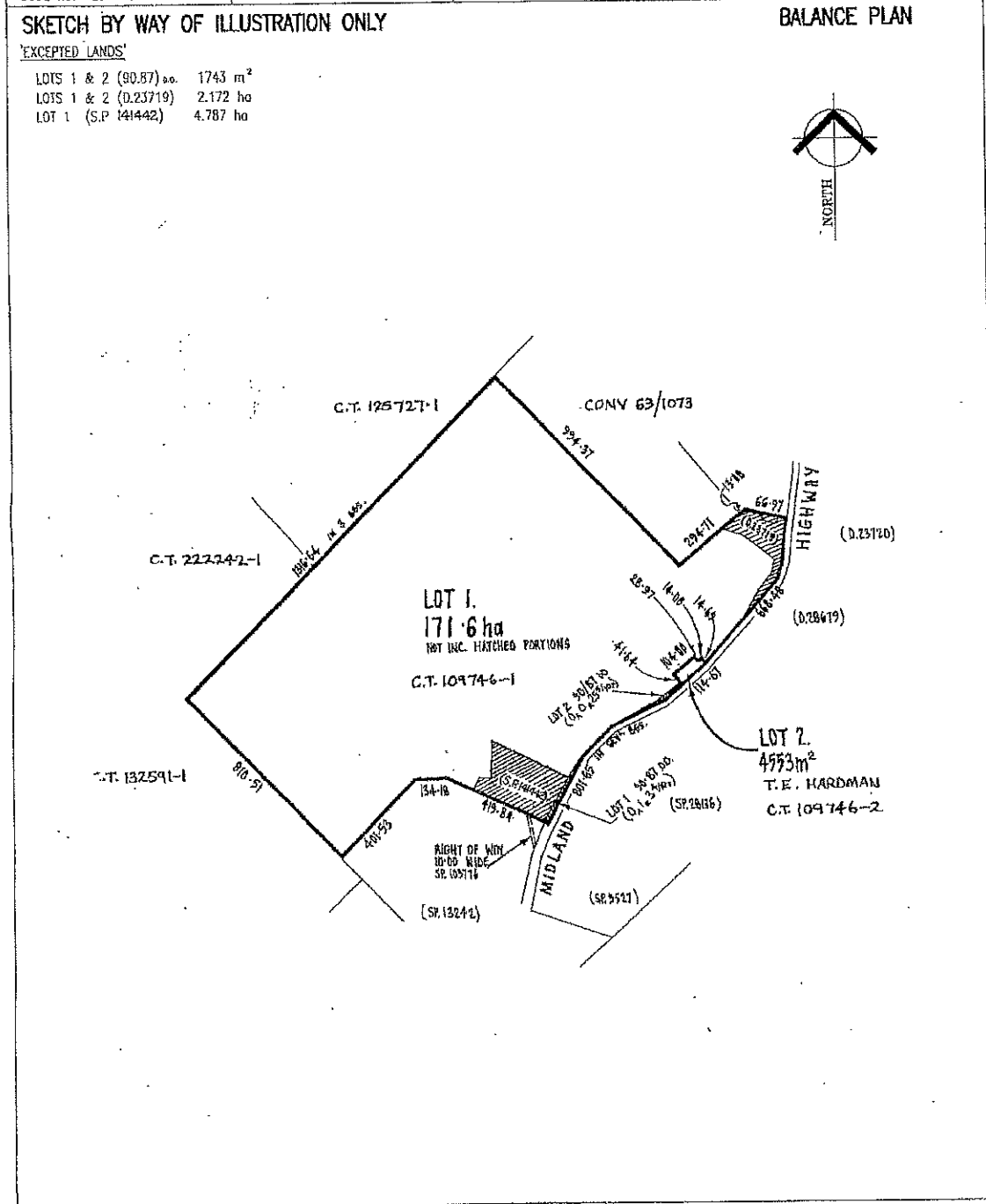
OWNER ISLAND BLOCK & PAVING PTY LTD TERENCE EDWARD HARDMAN FOLIO REFERENCE C.T. 109776-1 C.T. 109748-1 GRANTEE PART OF 558 ACRES GTD. TO THOMAS SCOTT. PART OF 558 ACRES GTD. TO THOMAS SCOTT.	PLAN OF SURVEY BY SURVEYOR B.R.WOOLCOTT - G.J. WALKEM & CO. LAUNCESTON. LOCATION LAND DISTRICT OF CORNWALL PARISH OF BREADALBANE SCALE 1: 1500 LENGTHS IN METRES.		REGISTERED NUMBER SP141442
	MAPSHEET MUNICIPAL CODE No. 123 (5040)		LAST UP! No. FET08, FET09 LAST PLAN No. S.P.109776; P.109748 ALL EXISTING SURVEY NUMBERS TO BE CROSS REFERENCED ON THIS PLAN

LOT 1 COMPILED FROM C.T.109776-1 AND THIS SURVEY



OWNER TERENCE EDWARD HARDMAN	PLAN OF TITLE	REGISTERED NUMBER P141443
FOLIO REFERENCE C.T. 109746-1		LOCATION LAND DISTRICT OF CORNWALL PARISH OF BREADALBANE
GRANTEE PART OF 556 ACRES GTD. TO THOMAS SCOTT PART OF 558 ACRES GTD. TO THOMAS SCOTT.	FIRST SURVEY PLAN No.	APPROVED -5 JUL 2004
	COMPILED BY B.R.WOOLCOTT - G.J. WALKEM & CO.	<i>Alice Kawa</i> Recorder of Titles
	NOT TO SCALE	LENGTHS IN METRES

MAPSHEET MUNICIPAL CODE No. 123 (50401)	LAST UPI No. FET09	LAST PLAN No. P.109745	ALL EXISTING SURVEY NUMBERS TO BE CROSS REFERENCED ON THIS PLAN
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FOLIO PLAN

RECORDER OF TITLES

Issued Pursuant to the Land Titles Act 1980



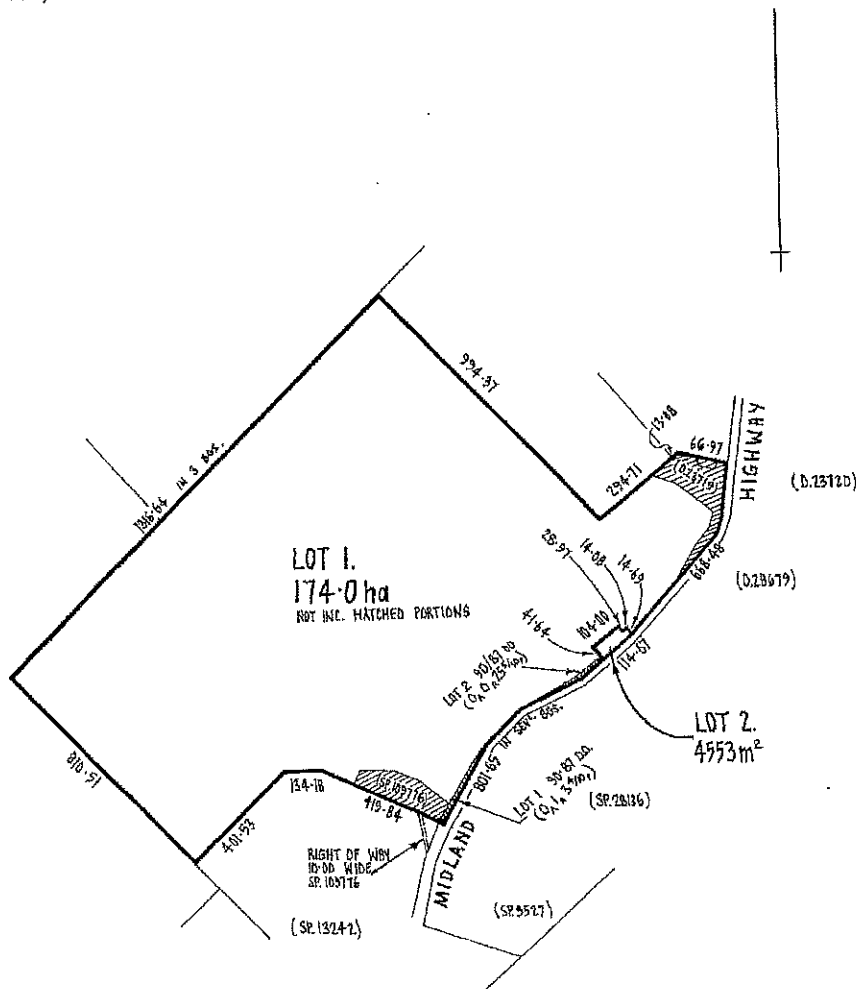
Tasmanian Government

OWNER	PLAN OF TITLE		REGISTERED NUMBER
FOLIO REFERENCE F/R 28680-L	LOCATION CORNWALL : BREADALBANE		P. 109746
GRANTEE	CONVERTED BY PLAN No D.28680		APPROVED 3. FEB. 1994
	COMPILED BY L.T.O.		<i>M. J. ...</i> Recorder of Titles
	NOT TO SCALE		LENGTHS IN METRES
MAPSHEET MUNICIPAL CODE No. 47	LAST UPC No. 52	LAST PLAN No. D.28680	ALL EXISTING SURVEY NUMBERS TO BE CROSS REFERENCED ON THIS PLAN

SKETCH BY WAY OF ILLUSTRATION ONLY

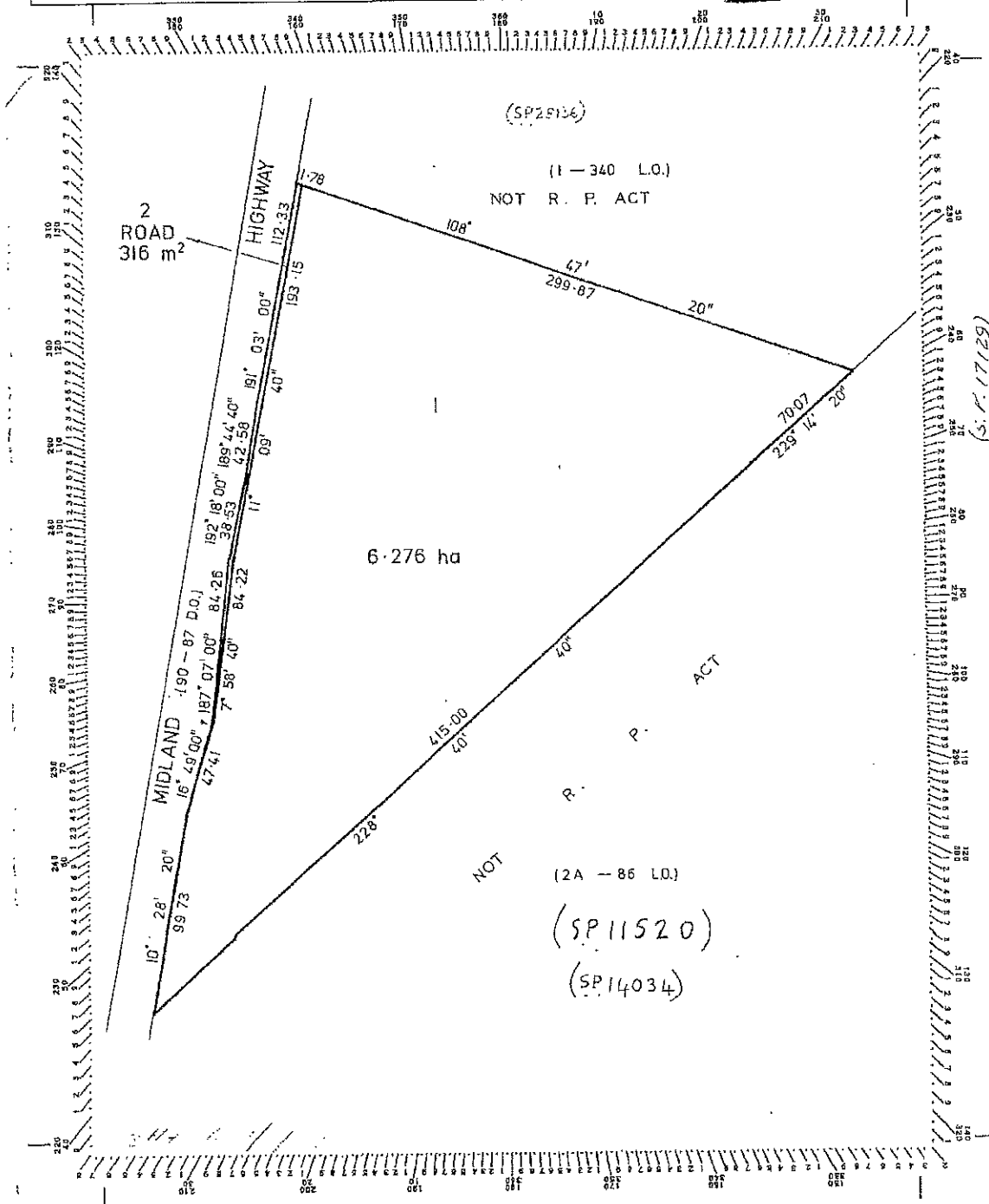
BALANCE PLAN

'EXCEPTED LANDS' (FROM LOT 1)
 LOTS 1 & 2 (90-81) 0.0. 1743 m²
 LOTS 1 & 2 (D.23719) 2.172 ha
 LOT 1 (SR.1097176) 2.385 ha



A-142

<p>Owner: Doreen May Hardman & Terence Edward Hardman</p>	<p>PLAN OF SURVEY by Surveyor <u>C. J. Coban</u> of land situated in the</p>	<p>Registered Number: S.P.9527</p>
<p>Title Reference: Assent No 47 - 2130</p>	<p>LAND DISTRICT OF CORNWALL</p>	<p>Effective from: <u>13 JUL 1977</u></p>
<p>Grantee: Part of 558 acres granted to Thomas Scott.</p>	<p>PARISH OF BREADALBANE Scale 1:2 000</p>	<p>P/I <i>M. Withinover</i> Recorder of titles</p>

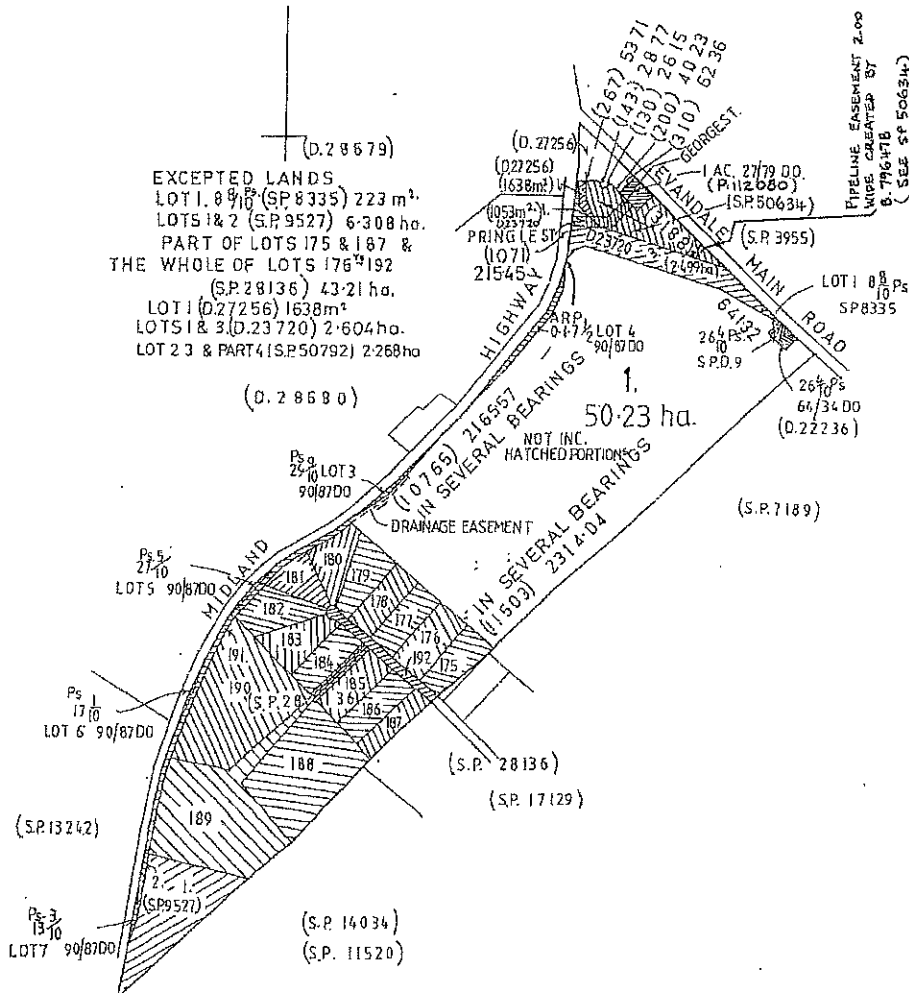


Owner:	<p>PLAN OF TITLE of land situated in the CORNWALL BREADALBANE & TOWN OF BREADALBANE COMPILED FROM D.P. 28679</p> <p>SCALE 1: MEASUREMENTS IN METRES</p>	Registered Number: D.50827
Title Reference: C.T. 4332/37		Approved: 12 MAY 1994 <i>[Signature]</i>
Grantee:		Recorder of Titles

SKETCH BY WAY OF ILLUSTRATION ONLY

CITY/TOWN OF BREADALBANE &
LAND DISTRICT OF CORNWALL
PARISH OF BREADALBANE
LENGTHS ARE IN METRES. NOT TO SCALE.
LENGTHS IN BRACKETS IN LINKS/FEET & INCHES.

TASKMAP MUNICIPAL CODE NO. 47	LAST TASKMAP DIST. NO. 1131	LIST SURVEY PLAN NO. D.28679
ALL EXCEPTED LANDS ARE SHOWN IN HATCHED PORTIONS		



Department of State Growth

STATE ROADS DIVISION

Enquiries Kathryn Fry

Ph 6166 3382 Fax

Email Kathryn.Fry@stategrowth.tas.gov.au Web www.stategrowth.tas.gov.au

Your Ref Our Ref



Mr Des Jennings
General Manager
Northern Midlands Council
13 Smith Street
Longford TAS 7301

Dear Mr Jennings

MIDLAND HIGHWAY – PERTH TO BREADALBANE DUPLICATION

DEVELOPMENT APPLICATION

**CONSENT TO THE MAKING OF A DEVELOPMENT APPLICATION PURSUANT TO
SECTION 52(1B) OF THE LAND USE PLANNING AND APPROVALS ACT 1993**

Pursuant to Section 52(1B) of the *Land Use Planning and Approvals Act 1993*, I hereby give consent to the making of a development application affecting land that forms part of the road reservation of the Midland Highway that is held under ownership of the Department of State Growth.

I am authorised to provide such consent under delegation of the Minister for Infrastructure.

The development application for the proposed duplication of the Midland Highway between Perth and Breadalbane including grade-separated interchanges with Evandale Road and Devon Hills Road. The project involves the construction of a divided dual lane carriageway west of the current highway alignment between Perth and Breadalbane, increasing the number of dedicated through lanes in this section to four lanes.

Yours sincerely

A handwritten signature in black ink, appearing to read "Shane Gregory".

Shane Gregory

GENERAL MANAGER STATE ROADS

6 August 2015.

REPORT ON RESPONSES – PUBLIC DISPLAY

Midland Highway – Perth to Breadalbane Duplication

Friday 1 May and Saturday 2 May 2015

Public Display Details

The proposed options for the Midland Highway – Perth to Breadalbane Duplication were put on display on Friday 1 May 2015 (6.45pm to 7.45pm) at Devon Hills Fire Station and Saturday 2 May 2015 (10am to 2pm) at the Perth Community Hall.

The options put on display were as follows:

Option 1: Underpass to western side and shared path from Devon Hills to Breadalbane roundabout.

Option 2: Retain existing highway as local road adjacent to the highway for the full extent - Perth to Breadalbane with and overpass at Island Block and Paving (and Digga Constructions) to provide access to the western side.

The Devon Hills session was conducted based on an invitation by NMC Councillor Janet Lambert on behalf of the Devon Hill Community Association.

A presentation was delivered by Damion Beety and Graeme Nibbs at the Devon Hills Fire Station session and a number of questions answered.

The Friday session was attended by Damion Beety (Project Manager), Graeme Nibbs (Stakeholder Engagement Unit (SEU) Manager), Amanda Keygan (Project Office SEU) and Vili Siale (Project Management Support).

The Saturday session was attended by Damion Beety (Project Manager), Graeme Nibbs (SEU Manager), Amanda Keygan (Project Office SEU) and Graeme Edwards (Senior Engineer GHD)

Response boxes were provided at both sessions and feedback encouraged by Friday 8 May 2015.

The display has also been put on Display at the Northern Midlands Council for a period of one month from 4 May 2015 to the end of May. The contact information will not be included in this informational display to avoid confusion with the Development Application process which is likely to run during this period.

The sessions were widely advertised including:

- Letter to adjacent residents advising of the display;
- Variable Message sign positioned at Perth Roadhouse advertising the display in the week prior;
- Public notice in the Examiner newspaper on Saturday 25th April, Wed 29th April and Sat 2nd May.
- Promotion by Northern Midlands Council (NMC) in their Examiner newspaper segment of both sessions.

- Promotion by NMC on their social media channels.
- Promotion of the Devon Hills session by Councillor Janet Lambert via a newsletter to all residents of the Devon Hills area.
-

Background and Response

There was extremely good attendance at both sessions with:

- approximately 50 to 60 people attending the Devon Hills Fire Station on Friday evening; and
- approximately 300 to 400 people attending the Perth session on Saturday.

In total 24 feedback forms were received at the display (with one verbal vote for option 2 and one subsequent email included subsequently). A number of blank comments forms taken and it is expected that further feedback will be received until the close of responses on 8 May 2015.

There was no evidence of strong opposition to either option 1 or 2 either in the formal responses or the discussions with those attending the event.

There was a noted trend towards option 1. This is reflected in the feedback forms submitted to date. The reasons for preferring one option over option 2 were largely not given. Those given generally referred to relatively minor judgements about travel time, speed or ease of access to the highway.

The provision of cycling and pedestrian facilities featured in the formal feedback, although not in large numbers it was the highest rating reason given with 3 people identifying this issue and some discussing it at the public display (although it may have been the same people).

The most notable construction impact raised was blasting impacts on Devon Hills. This concern will need to be addressed with either option.

Summary of Feedback

Total Feedback	Option 1 Supported	Option 2 Supported	Both Supported	Against/Other
31	14	7	2	7

Option 1 Supporter Reasons

Note a single stakeholder may have had more than one issue.

- Most supporters did not give a reason
- Safety 2 people
- Cycling and pedestrian access 3 people
- Save more trees 1 person
- Has less noise 1 person
- Gives better access to Highway 2 people
- Bigger gap between highway and Island Block and Paving (IB&P)/ less impact on IB&P 2 people
- Flows better 1 person

- More advanced in planning 1 person
- Seems less expensive (particularly with rock removal) 1 person

Option 2 Supporter Reasons

- Less disruption during construction 1 person
- Better cycling options 1 person
- Further away from Devon Hills 1 person
- Gives a straighter line to town 1 person
- Easier to follow 1 person
- Easier for school bus operator 1 person (who was the school bus operator)
- Below current level and expected to reduce noise 2 people
- Improved safety 1 person

Other issues

There was a strong interest in the alignment and timing for the full Perth Bypass and a number of people attending the public display thought that this project was for a full bypass. One of the formal respondents expressed their disappointment that the bypass was not occurring as part of this duplication.

3 residents of Devon Hills were concerned about the issue of blasting damaging homes. This issue was of significant concern at the Devon Hills fire station session.

Some residents at the Devon Hills presentation were concerned with the mitigation for wildlife, protected species and heritage impacts.

Increased traffic noise was also an issue for 3 people leading to a preference for option 2 for two of them. One resident was particularly concerned about the visual amenity of the new infrastructure – suggesting plantings of trees and shrubbery to combat noise and hide the highway

The period for response submission ends on Friday 8 May but this was extended to 15 May to ensure all feedback was considered and 5 extra comments were received (4 by post, 1 by email and 1 by phone).

Stakeholder Engagement Unit

15 May 2015

SOILS OF THE PERTH-BREADALBANE ROAD CORRIDOR



FPA
FOREST PRACTICES AUTHORITY

PD McIntosh, Forest Practices Authority, Hobart

February 2014

Soils and Land Capability – Perth to Breadalbane

CITATION

McIntosh, PD 2014, Soils and Land Capability in the Perth–Breadalbane Road Corridor, Contract report for DIER, February 2014. Forest Practices Authority, Hobart, 15p and two maps.

FPA FILE REFERENCE

2014/17665; version 2, with consideration of Prime Agricultural Land added.

IMPORTANT NOTE

The advice contained in this document has been prepared for DIER only. Whilst the Forest Practices Authority has used its best endeavours to ensure accuracy, it does not warrant that the material is free of error. Consequently, the advice is provided on the basis that the Forest Practices Authority will not be liable for any error or omission, in contract, tort or otherwise. However, should any error or omission be notified, the Forest Practices Authority will use its best endeavours to correct the advice.

Cover Photograph:

Looking eastwards across the northern end of the Perth–Breadalbane road corridor towards Rathmolyn Farm. Eastfield soil on dolerite, Land Capability Class 5s, in foreground.

SUMMARY

Five soil map units have been mapped. The soil survey confirmed the results of earlier surveys which showed that soils in the road corridor between Perth and Breadalbane fall into Land Capability Classes 4 and 5. The soil issues that need to be taken into account when road building include the probable need for blasting where dolerite rock is encountered (*Ea+Eash* map unit), poor drainage (*Eapd*, *An* and *Br* map units) and occurrence of dispersive (erosion prone) sodic soils (*Br* and *An* map units). There is no Prime Agricultural Land (as defined by the Tasmanian State Policy on the Protection of Agricultural Land 2009) in the road corridor or immediately adjacent to it, so road works in the corridor will have no effect on Prime Agricultural Land.

SOILS OF THE PERTH-BREADALBANE ROAD CORRIDOR

P.D. McIntosh, Forest Practices Authority, Hobart

BACKGROUND AND AIM

The aim of the project was to conduct a land capability assessment in a corridor of land between Perth and Breadalbane in which road widening and improvements of State Highway 1 are planned by DIER. The proposal to review existing information, conduct a field survey of soils, interpret soil observations for land capability assessment and produce maps and a report on the area was accepted by DIER on 17 January 2014.

PREVIOUS WORK**Geology**

The underlying rocks of the Perth-Breadalbane area are mapped as Pleistocene river terraces, gravels and sand near Perth, and Jurassic dolerite for most of the area between Perth and Breadalbane, except for Permian sediments (Fernree Mudstone) in the depression south of Devon Hills and Tertiary lacustrine deposits (Launceston Beds) in a depression south of Breadalbane (Blake 1959).

Soils

Soils in the Perth-Breadalbane area were previously mapped at a scale of 1:100 000 by Spanswick and Zund (1999) who updated an earlier report by Nicolls (1958). The mapped units in the road corridor were *associations* (Table 1) and soils within associations are variable. Table 1 summarises published information on the soils. The Brumby Association was described by Spanswick and Zund (1999) but not mapped by these authors in the road corridor, but as it was mapped in this survey it is included in Table 1.

Land Capability classes for the area were determined by Grose and Moreton (1996a, b). The land capability map at 1:100 000 scale (Grose and Moreton 1996a) shows that the land in the road corridor is dominated by Class 4 and 5 land, i.e. it is suitable for grazing but is either unsuitable for cropping (Class 5) or has severe limitations for this land use (Class 4). Present rural land use is confined to grazing and confirms that these designations are generally correct. Direct interpretation from the soil map (Spanswick and Zund 1999) and soil limitations for different land uses (Grose and Moreton 1996b) allow land capability classes to be determined in more detail (see Table 1, fifth column) than shown on the generalised map produced by Grose and Moreton (1996a).

Table 1. Summary of soil properties in the road corridor (from Spanswick and Zund (1999) and Grose and Moreton (1996b)).

Soil	Landform	Soil Parent material	Brief soil notes for dominant soil	Land capability class*
Brickendon Association (Bk)	Soils of the highest river terraces	Gravelly quartzose alluvium	Sandy loam upper horizons containing a bleached A2 layer overlying mottled clayey subsoils with ferruginous nodules.	4s (4w and 4e land also occurs)
Eastfield Association (Ea)	Soils of the rolling doleritic bedrock hills	In-situ dolerite and dolerite colluvium	Fine sandy loam or fine sand upper horizons with a	4s (5s where very stony or where dolerite

Soils and Land Capability – Perth to Breadalbane

			bleached A2 horizon overlying mottled clayey subsoils; common ferruginous nodules throughout	outcrops are common)
Miscellaneous soils related to Eastfield Association (MEa)	Shallow and very rocky soils of the rolling doleritic bedrock hills	In situ dolerite	Very stony shallow loamy and clayey soils	5s
Arnon Association (An)	Soils of small basins	Permian mudstone and siltstone; may be metamorphosed as a result of contact with dolerite	Fine sandy loam over silty loam subsoils containing mudstone/siltstone fragments	4ws
Brumby Association (Br)	Soils of the flat to gently undulating low river terraces	Quaternary alluvium	Fine sandy loam and fine sand with a prominent A2 horizon overlying clayey subsoils	4s (4w in wet areas)

*For explanations see Table 2.

Table 2. Summary of Land Capability classes (Grose and Moreton (1996b)).

Land Capability Class	Limitations
1	Multiple use land with only minor limitations to intensive cropping and grazing. It occurs on flat land with deep, well drained soils, and in a climate that favours a wide variety of crops. It is capable of being cropped eight to nine years out of ten in a rotation with pasture or equivalent without risk of damage to the soil resource or loss of production.
2	Land suitable for intensive cropping and grazing. Limitations to use are slight, and these can be readily overcome by management and minor conservation practices. Limitations present increase the risk of damage to the soil resource through over-cultivation, or the risk of yield loss is such that the length of the cropping phase is reduced to five to eight years out of ten in a rotation with pasture or equivalent during 'normal' years.
3	Land suitable for cropping and intensive grazing. Limitations are such that either cultivation for cropping should be limited to two to five successive crops in a rotation with pasture or equivalent to prevent damage to the soil resource, or the risk of crop failure or yield reduction with average climatic conditions is such that significant losses can be expected 5-7 years out of ten. Soil conservation practices and sound management are needed to overcome the moderate limitations to cropping use. The range of crops able to be grown is generally more restricted than on Class 1 or 2 land.
4	Land marginally suitable for cropping because of severe limitations which restrict the range of crops that can be grown, and/or make major conservation treatment and careful management necessary. Cropping rotations should be restricted to one to two years out of ten in a rotation with pasture or equivalent to avoid damage to the soil resource, or are limited by severe climatic conditions such that there is a very high risk of crop failure or yield decline in most years. This land is well suited to intensive grazing.
5	Land with slight to moderate limitations to pastoral use. This land is unsuitable for cropping although some areas on easier slopes may be cultivated for pasture establishment or renewal. The effects of limitations on the grazing potential may be reduced by applying appropriate soil conservation measures and land management practices.
6	Land marginally suitable for grazing because of severe limitations. This land has low levels of production, high risk of erosion, low natural fertility, or other limitations that severely restrict agricultural use.
7	Land with very severe to extreme limitations which make it unsuitable for agricultural use.
Subclass s	Limitations of soil properties (e.g. stoniness, shallow depth, saltiness)
Subclass w	Limitations of wetness (e.g. drainage, flooding)
Subclass e	Limitations of erosion (e.g. wind erosion, rill erosion)

*Soils and Land Capability – Perth to Breadalbane***Survey methods**

The soil survey was conducted using Google Earth air photographs printed at approximately 1:6000 scale as a base. Soil properties were noted at 32 sites using an auger or by inspecting road cuttings or drains. Site localities were recorded with a hand-held Garmin Etrex Legend GPS instrument with an approximate field accuracy of ± 10 m (Figure 1). Notes on profile characteristics (e.g. colour, texture, mottling) were made and soils were correlated with those described in previous surveys (Spanswick and Zund 1999). On the basis of field observations soils were assigned to a Soil Profile Class (soil type) (Appendix 1). Finally a map (Map 1) was drawn showing the soils or soil complexes identified within mapped units (polygons) and by reference to previous work (Grose and Moreton 1996a, b) soil map units were classified into land capability classes (Map 2).

RESULTS AND INTERPRETATION

Five soil map units were defined (Map 1).

(1) Eastfield and Eastfield shallow soils (*Ea+Eash*)

This map unit is the dominant one in the road corridor. Eastfield soils are the typical soils of dry dolerite terrain. The component soils of the map unit were described by Spanswick and Zund (1999) as follows: “The dominant soils [of the Eastfield Association] are those of Eastfield series (Eastfield Soil Profile Class) in which there is a grey-brown loam or fine sandy loam surface, a light grey fine sand or sandy loam subsurface, often with much fine rounded ferruginous gravel, and a sharp change at about 30 cm to a grey brown, dark yellow-grey, or slightly mottled tough clay, hard when dry and plastic when wet. Partially weathered dolerite fragments and loose stones are common throughout the profile. There are variants in which the bleached subsurface horizon may be considerably thicker, or may be absent.” Photographs 2, 3, 4 and 7 demonstrate the variability of Eastfield soils.

The fine sandy loam upper horizons (Photograph 3), composed predominantly of fine quartz sand, are probably aeolian in origin, which would explain the patchy distribution of these horizons. These are the most erodible layers in the soil.

Eastfield soils are imperfectly drained.

Shallow soils on rock were also noted by Spanswick and Zund (1999) in the Eastfield association and are described as Eastfield shallow (*Eash*) in this survey (Photographs 2 and 7) and mapped with deeper Eastfield soils as a complex (*Ea+Eash*). The shallower soils are normally associated with rock outcrops.

Land capability

Grose and Moreton (1996b, p. 54 and 57) described stoniness or rock outcrop as the main limiting factors on Eastfield soils and classified them as Class 4s at subclass level, and as Class 5s (unsuitable for cropping) where the soils are very stony or rock outcrops are common. The latter class applies in the road corridor.

Properties relevant to road construction

Eastfield soils have moderate to moderate to high erodibility in the 5-class system of Laffan et al. (1996). Erodibility in this soil is determined by the thickness of sand in the upper layers, and soil stoniness. In the present survey the sandy layers, where present, are only 10–20 cm thick and soils are generally stony so moderate erodibility can be assumed. Existing road cuts through Eastfield soils (*Ea+Eash* map unit) are stable and the underlying rock forms a stable base for road construction. Blasting is likely to be required to create a level road formation in parts of the map unit.

*Soils and Land Capability – Perth to Breadalbane***(2) Eastfield soils, poorly drained variant (*Eapd*)**

This variant was noted as being present within the Eastfield association by Spanswick and Zund (1999): “Deeper and more organic fine sandy profiles and sometimes black clays occupy drainage lines and hollows.” Three depressions containing these soils have been separately mapped in this survey, around sites 6, 9 and 12 (Map 1). Photograph 1 shows where these soils occur in the landscape.

Land capability

Grose and Moreton (1996b, p. 54) assigned Class 4w to these drainage depressions.

Properties relevant to road construction

The soils of these poorly drained depressions provide a less stable road base than the immediately adjacent soils of the *Ea+Eash* map unit and excavation of these depressions down to bedrock and backfilling with stable fill, combined with under-road drainage, may be advisable. Geotechnical advice should be obtained for these areas.

(3) Arnon soils (*An*)

Arnon soils are formed in shallow depressions underlain by Permian mudstone and siliceous rocks metamorphosed by dolerite. The soils have fine sandy loam or clay loam surface layers with lighter coloured fine sandy loam or silty loam subsurface layers, which overlie mottled clays containing mudstone or siltstone fragments. Arnon soils occur on the flat land in the middle of the surveyed area, north of the large farm dam. At one locality (22) there was evidence of salt on the soil surface. Soil erodibility (Laffan et al. 1999) is estimated to be moderate, but will be moderate to high or high in salty areas. Arnon soils are poorly and imperfectly drained.

A small area of Arnon soils was mapped by Spanswick and Zund (1999) in the northern part of the road corridor, but was not noted in this survey.

Land capability

Grose and Moreton (1996b, p. 54) noted that basins containing Arnon soils on Permian mudstones “receive much run-off from the surrounding dolerite hills and remain wet for much of the year resulting in poorly and imperfectly drained soils with only limited capability for cropping. Even better drained land is limited by shallow, stony soils suitable for only occasional cropping. At subclass level these areas would be classified as 4ws”.

Properties relevant to road construction

Disturbance of salty areas of Arnon soils could induce minor erosion (for example, in batters of roadside drains) but in general Arnon soils should present few risks during road construction. They may require drainage.

(4) Brickendon soils

Brickendon soils are formed on high dissected terraces (Photograph 5). South of the area under investigation, on the Midlands Highway from Epping Forest to Perth, they are the dominant soils. In the road corridor they cover a small area of west-facing slopes between the Midlands Highway and the farmland on the flats immediately north of Perth. Spanswick and Zund (1999) described the soils as having “a grey sandy surface over a light grey sand with varying amounts of quartz and ironstone gravels, [and] a mottled yellow-brown, red-brown and grey friable clay subsoil”. Quartz gravels are a characteristic of this soil. The soils are likely to have moderate erodibility (Laffan et al. 1996) and are imperfectly drained.

Land capability

Grose and Moreton (1996b, p. 51) noted that some Brickendon soils are slightly sodic and dispersive, prone to crusting and structural decline and therefore require particularly careful management. No

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evidence of soil structural problems or consequent erosion in Brickendon soils was noted during this survey. The main limitation for agriculture is the depth of surface layers over the gravelly subsoils. Land capability class 4s is appropriate.

Properties relevant to road construction

The soils present few issues for road construction and the methods used south of Perth will be appropriate on the small area of Brickendon soils in the road corridor.

(5) Brumby soils (Br)

Brumby soils are developed on the lower terraces of rivers draining the Launceston basin, below the Brickendon terrace (Photograph 5). They are formed in Quaternary alluvium and typically lie 3–6 m above the active floodplain, but may be inundated in the highest floods. Brumby soils have a surface horizon of grey or brownish grey sandy loam or loam, overlying a pale sandier layer, which overlies mottled clays with Fe/Mn concretions. The depth of the loamy horizons (overlying clay) is variable (Photograph 6). The soils are found west of the area of Brickendon soils, close to the Perth residential area. The soils probably have moderate to high or high erodibility (Laffan et al. 1996), due to their sodic properties, but actual erosion risk is low due to the occurrence of these soils on nearly flat land.

Land capability

Moderate to high sodicity and poor drainage and flooding indicates that land use classification as Class 4w+4s (Grose and Moreton 1996b, pp. 51 and 52) is appropriate.

Properties relevant to road construction

Poor drainage and flood risk are the main limitations for road construction. Soils are dispersive and there is a moderate risk of erosion (e.g. collapse of drain batters) if soils are disturbed.

PRIME AGRICULTURAL LAND

Prime Agricultural Land in Tasmania is defined as “agricultural land classified as Class 1, 2 or 3 land based on the class definitions and methodology from the Land Capability Handbook, Second Edition, C J Grose, 1999” (Anonymous 2009). There is no Prime Agricultural Land in the road corridor or immediately adjacent to it, so road works in the corridor will have no effect on Prime Agricultural Land.

ACKNOWLEDGEMENT

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REFERENCES

- Anonymous 2009. State Policy on the Protection of Agricultural Land. Government of Tasmania, http://www.dpac.tas.gov.au/_data/assets/pdf_file/0004/82714/State_Policy_on_the_Protection_of_Agricultural_Land_2009.pdf (accessed 12 February 2014).
- Blake F 1959, Longford. Geological Atlas 1:63360 Series. Tasmania Department of Mines.
- Grant J, Laffan M, Hill R, Neilsen W 1995, Forest Soils of Tasmania. Forestry Tasmania, Hobart.
- Grose, CJ 1999, Land Capability Handbook, Second Edition, Department of Primary Industries, Water and Environment, Tasmania.
- Grose CJ, Moreton RM 1996a, Land Capability Survey of Tasmania, South Esk, 1:100 000 map. Department of Primary Industry and Fisheries, Tasmania.

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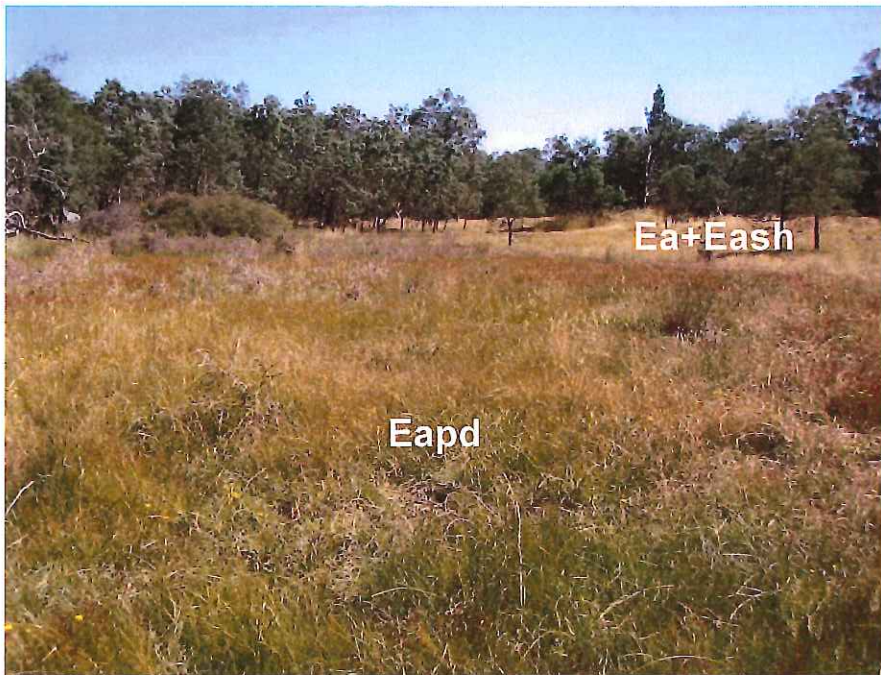
- Grose CJ, Moreton RM 1996b, Land Capability Survey of Tasmania. South Esk Report. Department of Primary Industry and Fisheries, Tasmania.
- Laffan, M, Grant, J, Hill R 1996, A method for assessing the erodibility of Tasmanian Forest soils. Australian Journal of Soil and Water Conservation 9: 16–21.
- Nicolls, KD 1958, Reconnaissance Soil Map of Tasmania. Sheet 47, Longford. CSIRO Divisional Report 14/57, Scale 1:63360.
- Spanswick S, Zund P 1999, Longford Soil Report. Department of Primary Industry and Fisheries, Tasmania.

*Soils and Land Capability – Perth to Breadalbane***Appendix 1. List of sites and assignment to soil profile classes**

Site	Easting*	Northing*	Soil class	Symbol	Notes
1	514578	5401434	Eastfield	Ea	
2	514567	5401472	Eastfield	Ea	
3	514555	5401339	Eastfield	Ea	
4	514432	5401198	Eastfield	Ea	
5	514387	5401083	Eastfield, shallow	Eash	bedrock in vicinity
6	514334	5401025	Eastfield, poorly drained variant	Eapd	in depression
7	514275	5400824	Eastfield, shallow	Eash	bedrock in vicinity
8	514236	5400734	Eastfield, shallow	Eash	bedrock in vicinity
9	514211	5400679	Eastfield, poorly drained variant	Eapd	in depression
10	514104	5400663	Eastfield, shallow	Eash	bedrock in vicinity
11	514057	5401146	Eastfield, shallow	Eash	bedrock in vicinity
12	515199	5401947	Eastfield, poorly drained variant	Eapd	in depression
13	515390	5402091	Eastfield	Ea	
14	515498	5402211	Eastfield, shallow	Eash	bedrock in vicinity
15	514572	5401313	Eastfield	Ea	
16	514061	5400390	Arnon	An	
17	513975	5400439	Arnon	An	
18	514153	5400530	Arnon/Eastfield boundary		dolerite boulders in drain
19	514012	5400223	Arnon	An	
20	513915	5400107	Arnon	An	
21	513882	5400031	Arnon	An	
22	513865	5399741	Arnon	An	salty scar – salt on surface
23	513755	5399390	Eastfield, shallow	Eash	bedrock in vicinity
24	513762	5398744	Brickendon	Bk	
25	513647	5398834	Brickendon	Bk	
26	513604	5398776	Brumby deep	Brdp	deep silty profile, few gravels
27	513826	5398487	Brumby	Br	
28	513827	5398273	Brumby	Br	
29	513822	5398249	Brumby	Br	exposure in drain; demonstrates soil variability
30	513897	5398326	Brickendon	Bk	
31	514285	5400488	Eastfield, shallow	Eash	
32	514260	5400456	Eastfield, shallow	Eash	

*GDA datum.

Appendix 2. Photographs.



Photograph 1. Site 6. From GDA 5143345401025, looking north. Eastfield poorly drained variant (*Eapd*) formed in alluvium derived from dolerite in drainage depression 15 m wide.



Photograph 2. Site 7. GDA 514275 5400824. Shallow Eastfield soils (*Eash*) are very stony and associated with dolerite outcrops and rock at the soil surface.

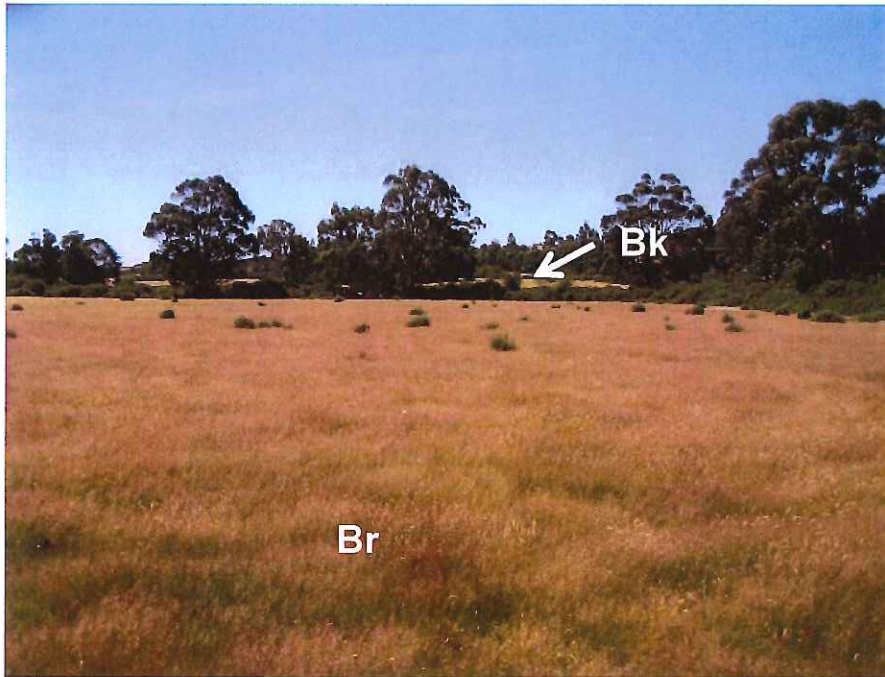
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Photograph 3. Site 15. GDA 514572 5401313. Deep Eastfield soil in dolerite (*Ea*). The pale sandy upper horizons of the soil (probably aeolian) are very evident.



Photograph 4. Stony deep Eastfield soils (*Ea*) in dolerite next to site 15, Photograph 3.

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Photograph 5. Site 27. From GDA 513826 5398487, looking north. Brumby soils in Quaternary alluvium on the low terrace in the foreground. Brickendon soils in older (Tertiary) alluvium on the higher terrace in the middle distance.



Photograph 6. Site 29. GDA 513822 5398249. Brumby soils in Quaternary alluvium, showing variable depth of sandy upper layers (pale layer and horizons above) over subsoil clay.

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Photograph 7. Site 31. GDA 514285 5400488. Shallow Eastfield soils on dolerite (*Eash*).

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Figure 1. Site locations.

Map 1. Soil mapping units.

Map 2. Land capability classes.



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