ROAD DESIGN
PRESENTATION STANDARDS

DP010
TRAFFIC CONTROL DRAWINGS

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Document Revision: 6
Document Date: 23 October 2017

DEPARTMENT OF
PLANNING, TRANSPORT
AND INFRASTRUCTURE

Government of South Australia
Department of Planning,
Transport and Infrastructure

Document Amendment Record

Rev	Change Description	Date	Author	Checked	Authorised
1	Initial Issue	29 July 2009			Noel O'Callaghan
2	General review of text and example drawings	23 December 2011	Natasha Stone Alison Freer	Jeremy Champion	Noel O'Callaghan
3	Existing dimension added to DWG 6700 SH 8	15 February 2013	Natasha Stone	Jeremy Champion	Noel O'Callaghan
4	Requirements of coloured pavement added	12 July 2013	Natasha Stone	Jeremy Champion	Noel O'Callaghan
5	Changes to text as highlighted (incl. note regarding referencing signal drawings) Minor changes to all example drawings.	1 July 2015	John Hastie	Jeremy Champion	Jeff Lane
6	New example added, note 2 updated on all drawings.	23 October 2017	Natasha Stone	John Hastie	Jeremy Champion

Document Management

To be read in conjunction with CAD Manual & Presentation Guidelines DP001
(Master Specification PC-EDM7)

DP010 TRAFFIC CONTROL

1 Purpose

1.1 The 'Traffic Control' drawing is used to show the location and orientation of new traffic control devices and existing traffic control devices that are to remain.

1.2 The drawing also identifies and itemises the traffic control signs that are shown on the drawing in a schedule.

1.3 For examples of this standard see attached drawings.

2 Content

2.1 Layers to be shown as per the DPTI Layer Matrix (DP 001)

2.2 The following CAD entities are required:

a) All information in DP 001 - General Requirements.

b) Symbols showing pavement bar layouts. (layer = "D-LNMK-Pavement Symbol")

c) Lines showing new line marking. (layer = D-LNMK-??, line styles provided)

d) Text identifying line marking to be enhanced. (layer = "D-ENHA-General Notes") (Paper Space text height = 2.5mm)

e) Symbols showing new pavement marking (i.e. chevrons, arrows, messages & symbols etc) (layer = "D-LNMK-Pavement Symbol", blocks provided)

f) Symbols showing traffic control signs (layer = "D-Furn-Sign", blocks provided)

g) Text identifying traffic control signs by their code. (layer = "D-Furn-Sign Label") (Paper Space text height = 2.5mm)

h) Hatching showing coloured pavement. (layer = "D-LNMK-Coloured Pavement"). All coloured pavement areas shall be indentified using a 'solid' hatch pattern. Green coloured pavement hatching used for bike lanes shall be AutoCAD colour 71, red coloured pavement used for bus only lanes shall be AutoCAD colour 11.

i) Dimensions showing "NO STOPPING ANY TIME" zones. (layer = "D-ENHA-General Notes") (Paper Space text height = 2.5mm)

j) Appropriate completed sign schedule (layer = "D-ENHA-Schedules", block provided)

k) Text showing chainages at sheet extremities. (layer = "D-ENHA-General Notes") (Paper Space text height = 3.5mm

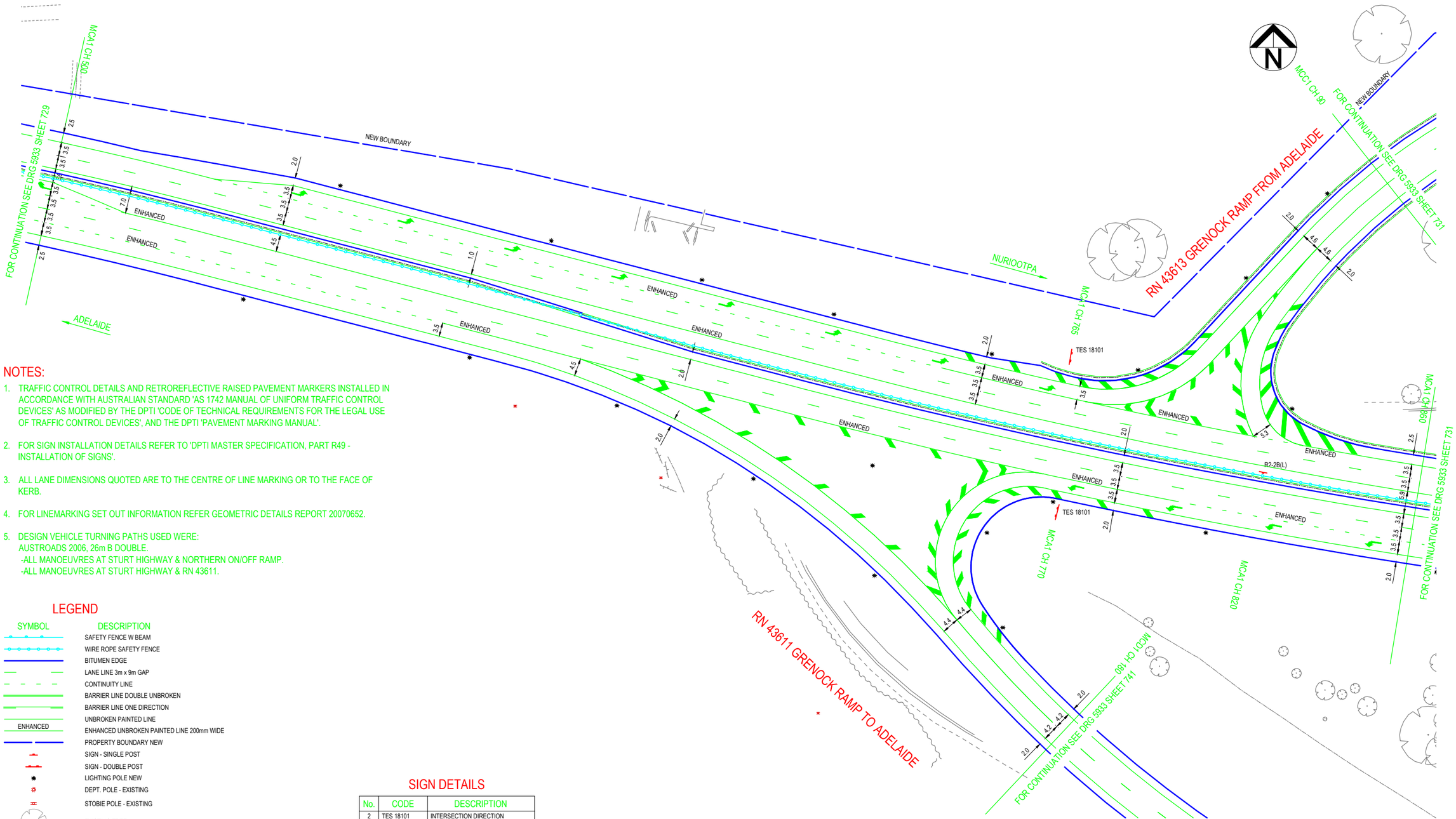
l) Sufficient longitudinal dimensions to define the location of the match in points, changes in width and changes of direction as specified above (layer = "D-ENHA-Dimensions")

m) Text indicating "match to existing" is not generally required but may be included in situations where it would not otherwise be obvious that this needs to happen

2.3 At signalised intersections and pedestrian crossings the traffic control details shall be recorded on the Traffic Signal Drawing. Where feasible the sheets shall be arranged such that there is no need to have a separate Traffic Control Drawing in the area covered by the Traffic Signal Drawing, however this will not always be feasible (eg where the scales are different or where the area is covered by existing drawings). In these cases, the Traffic Control Drawing shall include a dashed rectangle representing the area covered by the Traffic Signal Drawing and the words "FOR TRAFFIC

CONTROL DETAILS IN THIS AREA SEE DRG XXXX SHEET YYY TSZZZ" (XXXX & YYY being the drawing and sheet number of the traffic signal drawing, and TSZZZ being the TRAFFIC SIGNAL number) (layer = "D-ENHA-General Notes") (Paper Space text height = 3.5mm)

2.4 Survey on the Traffic Control Drawing shall be trimmed. (ie. survey detail should only be shown outside the extents of the design)



NOTES:

1. TRAFFIC CONTROL DETAILS AND RETROREFLECTIVE RAISED PAVEMENT MARKERS INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARD 'AS 1742 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES' AS MODIFIED BY THE DPTI 'CODE OF TECHNICAL REQUIREMENTS FOR THE LEGAL USE OF TRAFFIC CONTROL DEVICES', AND THE DPTI 'PAVEMENT MARKING MANUAL'.
2. FOR SIGN INSTALLATION DETAILS REFER TO 'DPTI MASTER SPECIFICATION, PART R49 - INSTALLATION OF SIGNS'.
3. ALL LANE DIMENSIONS QUOTED ARE TO THE CENTRE OF LINE MARKING OR TO THE FACE OF KERB.
4. FOR LINEMARKING SET OUT INFORMATION REFER GEOMETRIC DETAILS REPORT 20070652.
5. DESIGN VEHICLE TURNING PATHS USED WERE:
   AUSTROADS 2006, 26m B DOUBLE.
   -ALL MANOEUVRES AT STURT HIGHWAY & NORTHERN ON/OFF RAMP.
   -ALL MANOEUVRES AT STURT HIGHWAY & RN 43611.

LEGEND

SYMBOL	DESCRIPTION
	SAFETY FENCE W BEAM
	WIRE ROPE SAFETY FENCE
	BITUMEN EDGE
	LANE LINE 3m x 9m GAP
	CONTINUITY LINE
	BARRIER LINE DOUBLE UNBROKEN
	BARRIER LINE ONE DIRECTION
	UNBROKEN PAINTED LINE
ENHANCED	ENHANCED UNBROKEN PAINTED LINE 200mm WIDE
	PROPERTY BOUNDARY NEW
	SIGN - SINGLE POST
	SIGN - DOUBLE POST
	LIGHTING POLE NEW
	DEPT. POLE - EXISTING
	STOBIE POLE - EXISTING
	EXISTING TREE
	EDGE OF EXISTING VEGETATION

SIGN DETAILS

No.	CODE	DESCRIPTION
2	TES 18101	INTERSECTION DIRECTION
1	R2-2B(L)	ONE WAY (LEFT)

THIS SHEET PART SUPERSEDES DRG 60533 SHT 21
THIS SHEET SUPERSEDES DRG 5274 SHTS 117 & 252

No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE
3	NOTE 2. UPDATED	NKS	JH	J.CHAMPION	23.03.2017
2	NOTES, ROAD NAMES ETC CHANGED, UNSEALED SHOULDER REMOVED, LAT/LONG ADDED	JH	JC	J.LANE	1.7.15
1	GENERAL REVIEW OF DRAWING	AEF	NKS	J.LANE	23.12.11

REFERENCE MAP:

100 MILLIMETRES ON ORIGINAL DRAWING | ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE

Government of South Australia
Department of Planning, Transport and Infrastructure

PROJECT No.:	FILE No.:
14669	07/04422
DESIGN No.:	SURVEY No.:
20070652	20070774

PROJECT START ROAD RUNNING DISTANCE: MCA1; CH 0000 = 54.89 km
PROJECT END ROAD RUNNING DISTANCE: MCA1; CH 4560 = 59.45 km
SCALES: 10 0 5 10 15 20

DESIGNED:	DRAFTED:	ACCEPTED FOR USE:	ACCEPTANCE FORM KNET No.:	DRAWING No.:	SHEET No.:	AMEND No.:
ANC	AEF	A.SMITH	12345678	5933	730	3
CHECKED: DSNE	CHECKED: NKS	TITLE: MANAGER DATE: 30/02/2010	IN ACCORDANCE WITH DP013	UNCONTROLLED COPY WHEN PRINTED		

ROAD No. 7200
STURT HIGHWAY
SEPPELTSFIELD ROAD - GREENOCK ROAD
MCA1; CH 500 - CH 865
TRAFFIC CONTROL

SHEET LATITUDE -34.46721 SHEET LONGITUDE 138.91463

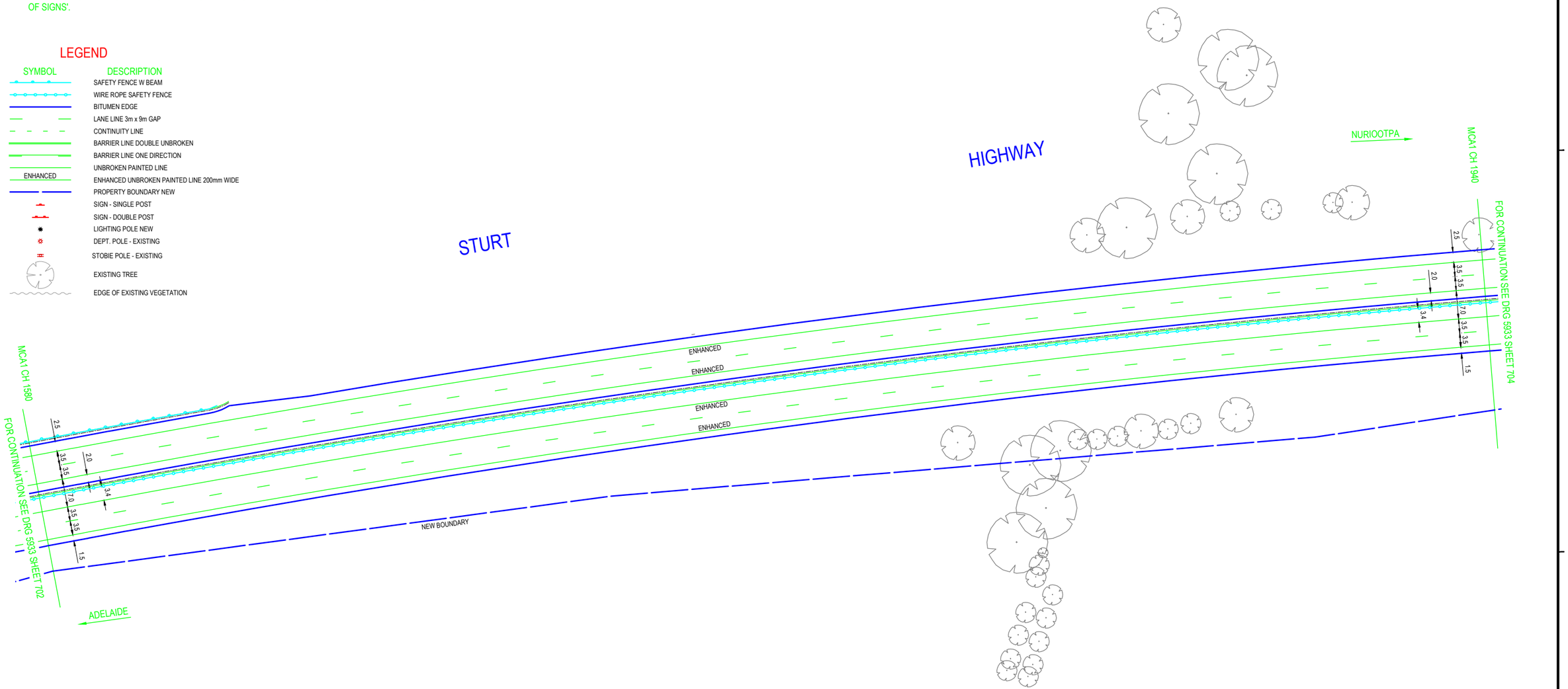
CAD FILE NAME: DP010 EXAMPLE 1.DWG

NOTES:

1. TRAFFIC CONTROL DETAILS AND RETROREFLECTIVE RAISED PAVEMENT MARKERS INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARD 'AS 1742 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES' AS MODIFIED BY THE DPTI 'CODE OF TECHNICAL REQUIREMENTS FOR THE LEGAL USE OF TRAFFIC CONTROL DEVICES', AND THE DPTI 'PAVEMENT MARKING MANUAL'.
2. ALL LANE DIMENSIONS QUOTED ARE TO THE CENTRE OF LINE MARKING OR TO THE FACE OF KERB.
3. FOR LINEMARKING SET OUT INFORMATION REFER GEOMETRIC DETAILS REPORT 20070652.
4. FOR SIGN INSTALLATION DETAILS REFER TO 'DPTI MASTER SPECIFICATION, PART R49 - INSTALLATION OF SIGNS'.

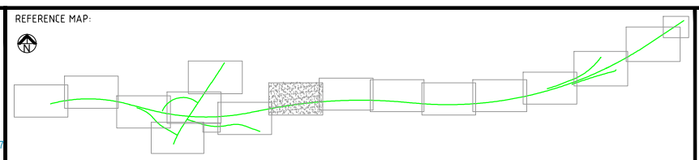
LEGEND

SYMBOL	DESCRIPTION
	SAFETY FENCE W BEAM
	WIRE ROPE SAFETY FENCE
	BITUMEN EDGE
	LANE LINE 3m x 9m GAP
	CONTINUITY LINE
	BARRIER LINE DOUBLE UNBROKEN
	BARRIER LINE ONE DIRECTION
	UNBROKEN PAINTED LINE
ENHANCED	ENHANCED UNBROKEN PAINTED LINE 200mm WIDE
	PROPERTY BOUNDARY NEW
	SIGN - SINGLE POST
	SIGN - DOUBLE POST
	LIGHTING POLE NEW
	DEPT. POLE - EXISTING
	STOBIE POLE - EXISTING
	EXISTING TREE
	EDGE OF EXISTING VEGETATION



No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE
3	NOTE 2. UPDATED	NKS	KH	J.CHAMPION	23.03.2017
2	NOTES MODIFIED, UNSEALED SHOULDER REMOVED, LAT/LONG ADDED	JH	JC	J.LANE	1.7.15
1	GENERAL REVIEW OF DRAWING	AEF	NKS	J.LANE	23.12.11

REFERENCE MAP:



100 MILLIMETRES ON ORIGINAL DRAWING ◄ ► ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE

Government of South Australia

Department of Planning, Transport and Infrastructure

PROJECT No.: 14669	FILE No.: 07/04422
DESIGN No.: 20070652	SURVEY No.: 20070774
PROJECT START ROAD RUNNING DISTANCE: MCA1; CH 0000 = 54.89 km	
PROJECT END ROAD RUNNING DISTANCE: MCA1; CH 4560 = 59.45 km	
SCALES: 10 0 5 10 15 20	

ROAD No. 7200

STURT HIGHWAY

SEPPELTSFIELD ROAD - GREENOCK ROAD

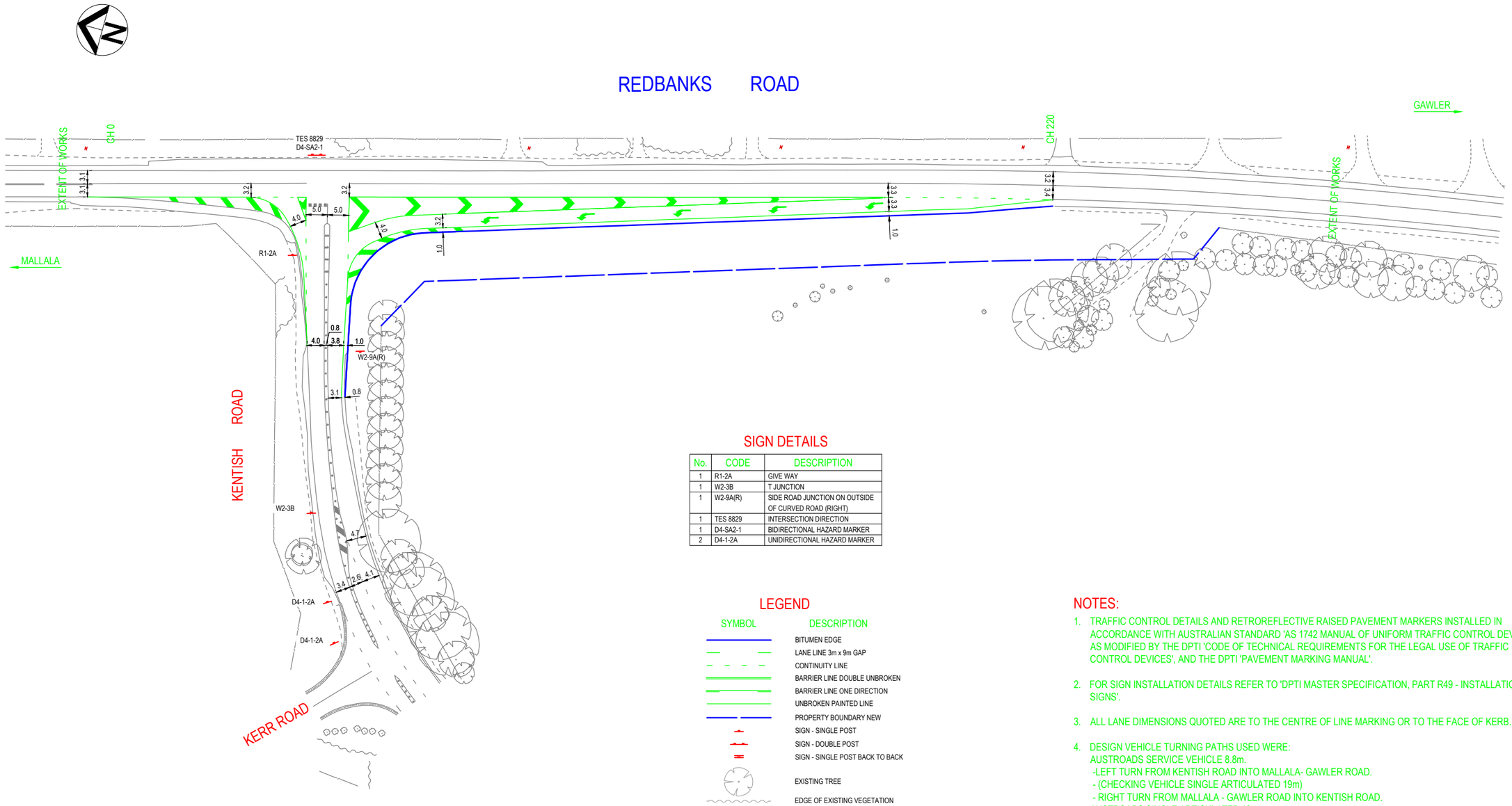
MCA1; CH 1580 - CH 1945

TRAFFIC CONTROL

DESIGNED:	DRAFTED:	ACCEPTED FOR USE:	ACCEPTANCE FORM KNET No.:	DRAWING No.:	SHEET No.:	AMEND No.:
ANC	AEF	A.SMITH	12345678	5933	733	3
CHECKED: DSNE	CHECKED: NKS	TITLE: MANAGER DATE: 30/02/2010	IN ACCORDANCE WITH DP013	UNCONTROLLED COPY WHEN PRINTED		

SHEET LATITUDE -34.46721 SHEET LONGITUDE 138.92574

CAD FILE NAME: DP010 EXAMPLE 2.DWG



SIGN DETAILS

No.	CODE	DESCRIPTION
1	R1-2A	GIVE WAY
1	W2-3B	T JUNCTION
1	W2-9A(R)	SIDE ROAD JUNCTION ON OUTSIDE OF CURVED ROAD (RIGHT)
1	TES 8829	INTERSECTION DIRECTION
1	D4-SA2-1	BIDIRECTIONAL HAZARD MARKER
2	D4-1-2A	UNIDIRECTIONAL HAZARD MARKER

LEGEND

SYMBOL	DESCRIPTION
	BITUMEN EDGE
	LANE LINE 3m x 9m GAP
	CONTINUITY LINE
	BARRIER LINE DOUBLE UNBROKEN
	BARRIER LINE ONE DIRECTION
	UNBROKEN PAINTED LINE
	PROPERTY BOUNDARY NEW
	SIGN - SINGLE POST
	SIGN - DOUBLE POST
	SIGN - SINGLE POST BACK TO BACK
	EXISTING TREE
	EDGE OF EXISTING VEGETATION
	STOBIE POLE - EXISTING

NOTES:

1. TRAFFIC CONTROL DETAILS AND RETROREFLECTIVE RAISED PAVEMENT MARKERS INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARD 'AS 1742 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES' AS MODIFIED BY THE DPTI 'CODE OF TECHNICAL REQUIREMENTS FOR THE LEGAL USE OF TRAFFIC CONTROL DEVICES', AND THE DPTI 'PAVEMENT MARKING MANUAL'.
2. FOR SIGN INSTALLATION DETAILS REFER TO 'DPTI MASTER SPECIFICATION, PART R49 - INSTALLATION OF SIGNS'.
3. ALL LANE DIMENSIONS QUOTED ARE TO THE CENTRE OF LINE MARKING OR TO THE FACE OF KERB.
4. DESIGN VEHICLE TURNING PATHS USED WERE:
   AUSTROADS SERVICE VEHICLE 8.8m.
   -LEFT TURN FROM KENTISH ROAD INTO MALLALA- GAWLER ROAD.
   - (CHECKING VEHICLE SINGLE ARTICULATED 19m)
   - RIGHT TURN FROM MALLALA - GAWLER ROAD INTO KENTISH ROAD.
   AUSTROADS SINGLE ARTICULATED 19m.
   - RIGHT TURN FROM KENTISH ROAD INTO MALLALA - GAWLER ROAD.
   - LEFT TURN FROM MALLALA - GAWLER ROAD INTO KENTISH ROAD.

THIS SHEET IS SUPERSEDED BY DRG 6700 SHT 1

No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE
4	EDGELINES MADE CONTINUOUS	JH	NKS	J.CHAMPION	23/10/17
3	NOTE 2. UPDATED	NKS	JH	J.CHAMPION	23.03.17
2	NOTES, ROAD NAMES ETC CHANGED, UNSEALED SHOULDER REMOVED	JH	JC	J.LANE	4.12.14
1	EXISTING DIMENSIONS ADDED	NKS	NKS	J.LANE	1.1.13

100 MILLIMETRES ON ORIGINAL DRAWING — ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE

Government of South Australia
Department of Planning, Transport and Infrastructure

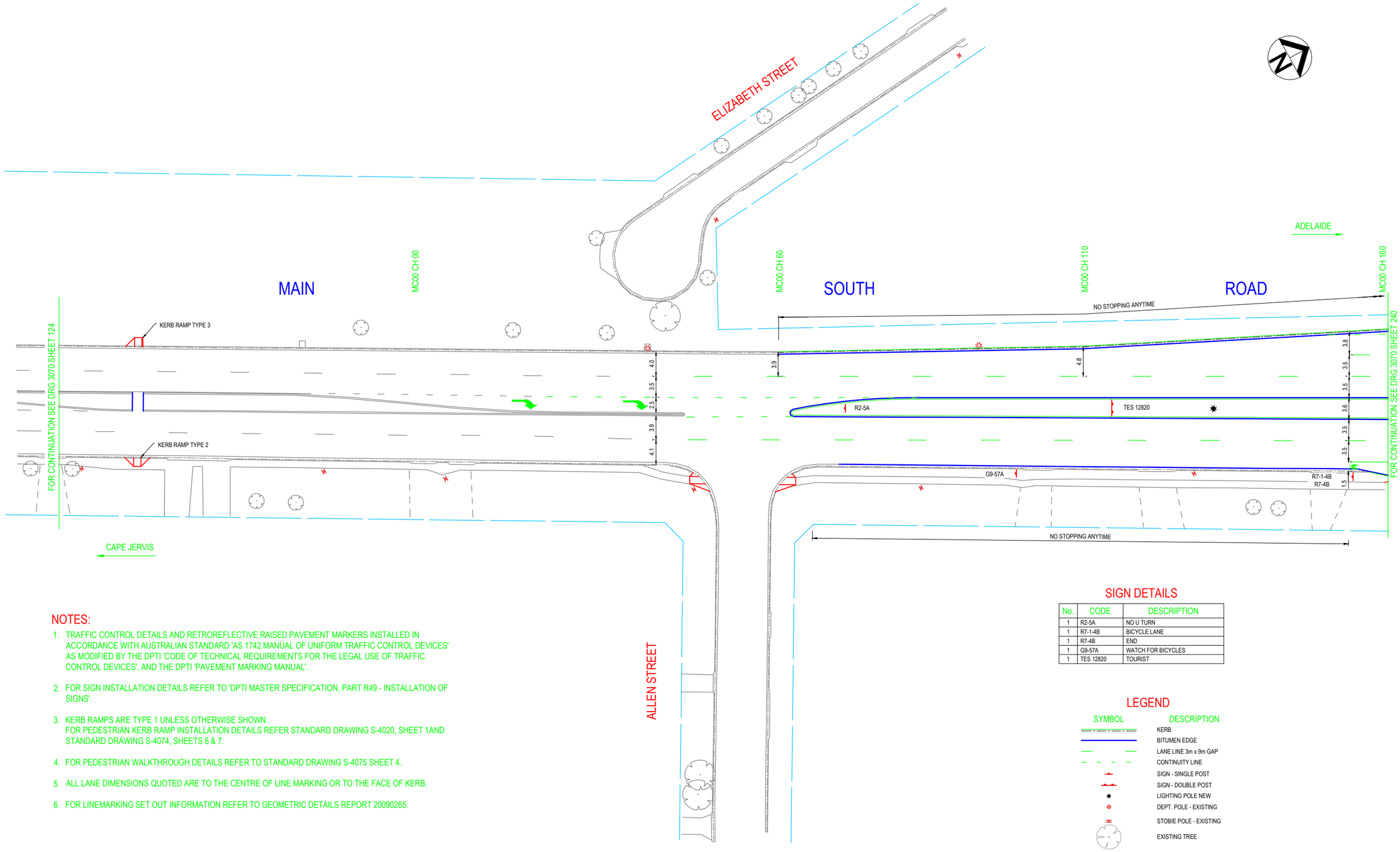
PROJECT No.: 16185 | FILE No.: 08/09075
DESIGN No.: 20100253 | SURVEY No: 2090273
PROJECT START ROAD RUNNING DISTANCE: MC00; CH 000 = 26.76 km
PROJECT END ROAD RUNNING DISTANCE: MC00; CH 280 = 27.04 km
SCALES: 10 0 5 10 15 20

DESIGNED: NKS | DRAFTED: NKS | ACCEPTED FOR USE: A.SMITH
CHECKED: ABC | CHECKED: BAC | TITLE: MANAGER | DATE: 30/2/2011
ACCEPTANCE FORM KNET No.: 12345678 IN ACCORDANCE WITH DP013

ROAD No. 4381 / NCRN
REDBANKS ROAD
JUNCTION KENTISH ROAD; GAWLER
MC00: CH 000 - CH 280
TRAFFIC CONTROL

DRAWING No.: 6700 | SHEET No.: 8 | AMEND No.: 4
UNCONTROLLED COPY WHEN PRINTED
SHEET LATITUDE -34.57254 SHEET LONGITUDE 138.73481

CAD FILE NAME: DP010 EXAMPLE 3.DWG



NOTES:

1. TRAFFIC CONTROL DETAILS AND RETROREFLECTIVE RAISED PAVEMENT MARKERS INSTALLED IN ACCORDANCE WITH AUSTRALIAN STANDARD 'AS 1742 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES' AS MODIFIED BY THE DPTI 'CODE OF TECHNICAL REQUIREMENTS FOR THE LEGAL USE OF TRAFFIC CONTROL DEVICES', AND THE DPTI 'PAVEMENT MARKING MANUAL'.
2. FOR SIGN INSTALLATION DETAILS REFER TO 'DPTI MASTER SPECIFICATION, PART R49 - INSTALLATION OF SIGNS'.
3. KERB RAMPS ARE TYPE 1 UNLESS OTHERWISE SHOWN.
   FOR PEDESTRIAN KERB RAMP INSTALLATION DETAILS REFER STANDARD DRAWING S-4020, SHEET 1AND STANDARD DRAWING S-4074, SHEETS 6 & 7.
4. FOR PEDESTRIAN WALKTHROUGH DETAILS REFER TO STANDARD DRAWING S-4075 SHEET 4.
5. ALL LANE DIMENSIONS QUOTED ARE TO THE CENTRE OF LINE MARKING OR TO THE FACE OF KERB.
6. FOR LINEMARKING SET OUT INFORMATION REFER TO GEOMETRIC DETAILS REPORT 20090265.

SIGN DETAILS

No.	CODE	DESCRIPTION
1	R2-5A	NO U TURN
1	R7-1-4B	BICYCLE LANE
1	R7-4B	END
1	G9-57A	WATCH FOR BICYCLES
1	TES 12820	TOURIST

LEGEND

SYMBOL	DESCRIPTION
	KERB
	BITUMEN EDGE
	LANE LINE 3m x 9m GAP
	CONTINUITY LINE
	SIGN - SINGLE POST
	SIGN - DOUBLE POST
	LIGHTING POLE NEW
	DEPT. POLE - EXISTING
	STOBIE POLE - EXISTING
	EXISTING TREE

THIS SHEET PART SUPERSEDES DRG 3070 SHT 124

No.	AMENDMENT DESCRIPTION	BY	CHECK	ACCEPTANCE	DATE

INDEX SHEET REFERENCE: 3070 SHEET 206

UNCONTROLLED COPY WHEN PRINTED | 100 MILLIMETRES ON ORIGINAL DRAWING | ALL DIMENSIONS ARE IN METRES UNLESS SHOWN OTHERWISE

Government of South Australia
Department of Planning, Transport and Infrastructure

PROJECT No.:	FILE No.:
15609	08/11906
DESIGN No.:	SURVEY No:
20090265	20090551

PROJECT START ROAD RUNNING DISTANCE: MC00; CH 00 = 0.66 km
PROJECT END ROAD RUNNING DISTANCE: MC00; CH 1130 = 39.8 km
SCALES: 6 0 3 6 9 12

ROAD No. 4763/6203/4760/NCRN
MAIN SOUTH ROAD
SEAFORD ROAD - VICTOR HARBOUR ROAD; OLD NOARLUNGA
MC00; CH 000 - CH 160
TRAFFIC CONTROL

DESIGNED:	DRAFTED:	ACCEPTED FOR USE:	ACCEPTANCE FORM KNET No.:	DRAWING No.:	SHEET No.:	AMEND No.:
HP	AF	A.SMITH	123456789	3070	239	0
CHECKED: NS	CHECKED: NS	TITLE: MANAGER DATE: 30/02/2017	IN ACCORDANCE WITH DP013	SHEET LATITUDE -35.184624	SHEET LONGITUDE 138.492672	