



TELOPEA URBAN RENEWAL PROJECT

CONCEPT DEVELOPMENT APPLICATION - MASTERPLAN

PROPOSED STORMWATER, LOT & ROADWORKS



LOCALITY SKETCH

IMAGE REF: METROMAP - 22/02/22

Prepared By:

J. WYNDHAM PRINCE

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Plotted: 13 September, 2023 10:02:04 AM File Name: J:\110500 - Telopea Urban Renewal\CD\DA- Masterplan\110500-04-DA001.dwg

5	LOW UPDATED	GA	GA	MS	MS	13/09/23
4	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
3	MEWS ADDED	GA	NA	MS	DJ	25/04/21
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
1	CONSULTANT ISSUE	GA	JM	MS	DJ	01/06/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
COVER SHEET

PROJECT No:
110500-04
SHEET No:
DA001

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 110500-04-DA001 5

Plotted: 13 September, 2023 11:17:54 AM File Name: J:\110500 - Telopea Urban Renewal\CD\DA Concept DA - Masterplan\110500-04-DA002.dwg

LEGEND			
DESCRIPTION	PROPOSED	EXISTING	FUTURE
EXTENT OF WORKS			
KERB & GUTTER			
KERB ONLY			
KERB LINE			
DISH GUTTER			
VEHICULAR CROSSING			
PRAM RAMP			
DESIGN DRAINAGE LINE, SURFACE INLET PIT			
DESIGN DRAINAGE LINE, JUNCTION PIT			
DESIGN DRAINAGE LINE, KERB INLET PIT			
CONTOURS			
ELECTRICITY, POWER POLE			
WATER, STOP VALVE, HYDRANT			
SEWER, MANHOLE			
GAS			
TREES TO BE RETAINED			
TREES TO BE REMOVED			
SURVEY MARKS - BENCH MARKS			
STATE SURVEY MARKS			
RETAINING WALL			
BASEMENT OUTLINE			
UNDERGROUND OSD BASIN			
DOWNPIPE, DRAINAGE PIT AND LINE			
BUILDING OUTLINE			
FENCE			

SURVEY SET OUT INFORMATION NOTES:

- ALL SITE SET OUT AND CONTROL POINTS ARE TO BE CERTIFIED BY A REGISTERED SURVEYOR.
- THE INFORMATION DETAILED ON THE CERTIFIED CONSTRUCTION CERTIFICATE PLANS TAKES PRECEDENCE OVER ALL ELECTRONIC INFORMATION PROVIDED. THE ORDER OF PRIORITY FOR USE OF ALL INFORMATION PROVIDED IS AS FOLLOWS:
 - CERTIFIED CONSTRUCTION CERTIFICATE DRAWINGS
 - 2D DRAFTING BASE (ELECTRONIC FILE)
 - 3D DTM (ELECTRONIC FILE)
- ANY DISCREPANCY BETWEEN ANY OF THE INFORMATION CONTAINED WITHIN THESE FILES IS TO BE BROUGHT TO THE ATTENTION OF THE SUPERINTENDENT WHO WILL SEEK CLARIFICATION AND ISSUE INSTRUCTIONS ON THE APPROPRIATE COURSE OF ACTION.

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110500-04-DA706	SIGNAGE & LINEMARKING DETAIL PLAN SHEET 6	4
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UTILITIES SHOWN ARE DIAGRAMMATIC ONLY, BASED ON OLD INVESTIGATION AT 12/5/2020. CONTRACTORS ARE RESPONSIBLE TO LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES. EXCAVATION GUIDE LINES & STANDARDS

NOTE: UTILITIES SHOWN MAY NOT INCLUDE ALL SERVICES WITHIN THE LIMIT OF WORKS

11	CIVIL PLAN INDEX UPDATED	GA	GA	MS	MS	13/09/23
10	CIVIL PLAN INDEX UPDATED	GA	GA	MS	MS	21/07/23
9	INDEX UPDATED	KE	GA	MS	MS	22/03/23
8	INDEX UPDATED	GA	EJ	MS	MS	08/11/22
7	INDEX UPDATED	GA	GA	MS	MS	29/09/22
6	INDEX UPDATED	GA	EJ	MS	DJ	08/03/22
5	INDEX UPDATED	GA	GA	MS	DJ	01/07/21
4	INDEX UPDATED	GA	NA	MS	DJ	25/06/21
3	INDEX UPDATED	MS	JM	MS	DJ	18/08/20
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
INDEX, LEGEND & GENERAL NOTES

PROJECT No:

110500-04

SHEET No:

DA002

AZIMUTH: M.G.A.

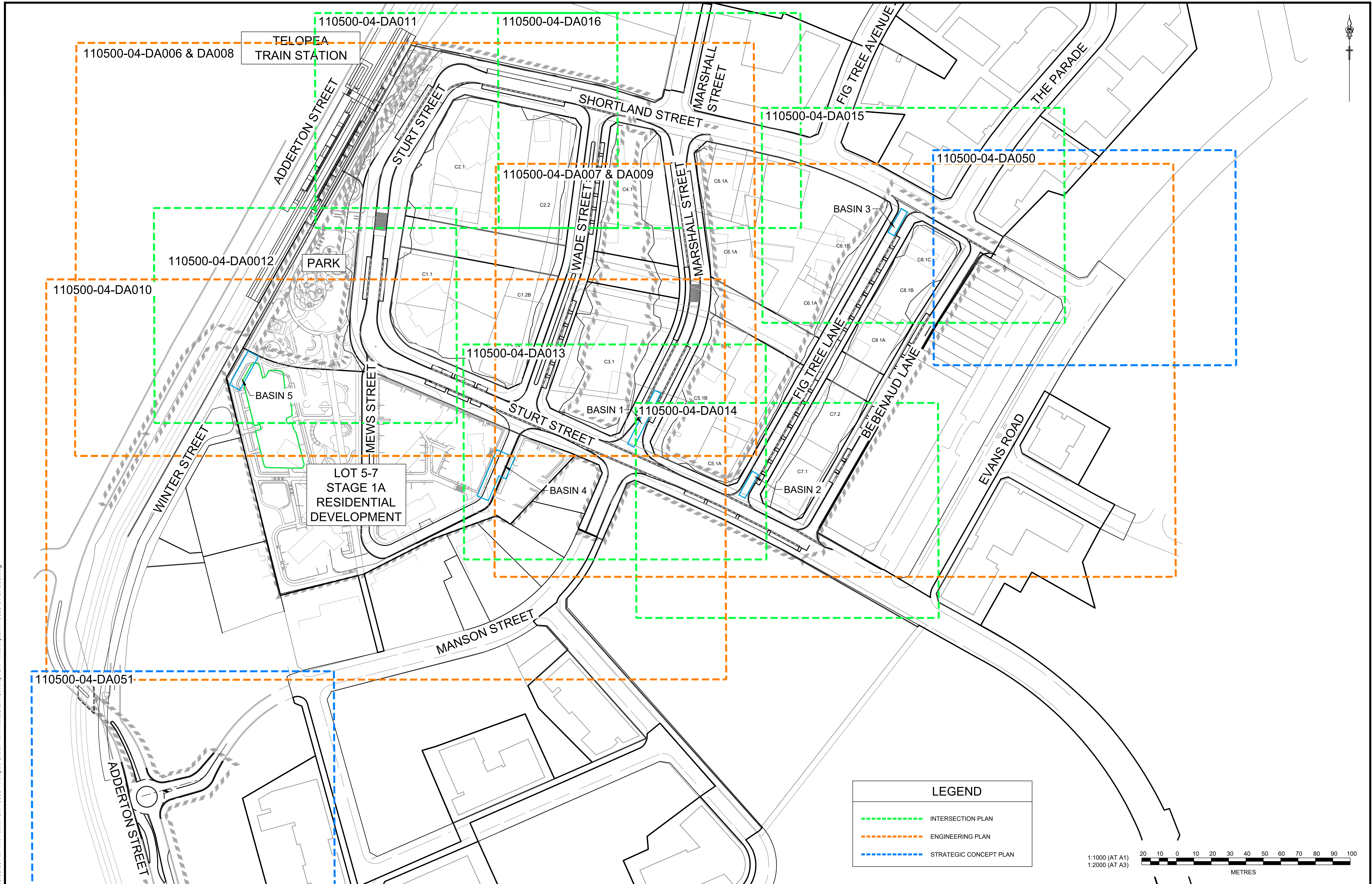
DATUM: A.H.D.

ORIGIN: SSM 1112

PLAN No: 110500-04-DA002

11

Plotted: 13 September, 2023 10:03:06 AM File Name: \\110500 - Telopea Urban Renewal\\CDDA\\Concept DA - Masterplan\\110500-04-DA003.dwg



9	STAGE 1A, PARK & STURT ST LAYOUT UPDATED	GA	GA	MS	MS	13/09/23
8	STAGE 1A BUILDING LAYOUT UPDATED	GA	GA	MS	MS	21/07/23
7	COUNCIL COMMENTS	GA	GA	MS	MS	29/09/22
6	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
5	BASIN 4 UPDATED	GA	GA	MS	DJ	01/07/21
4	MEWS ADDED	GA	NA	MS	DJ	25/06/21
3	STAGE 1A AMENDED	MS	JM	MS	DJ	18/08/20
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
1	CONSULTANT ISSUE	GA	JM	MS	DJ	01/06/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
KEY PLAN

PROJECT No:
110500-04

SHEET No:
DA003

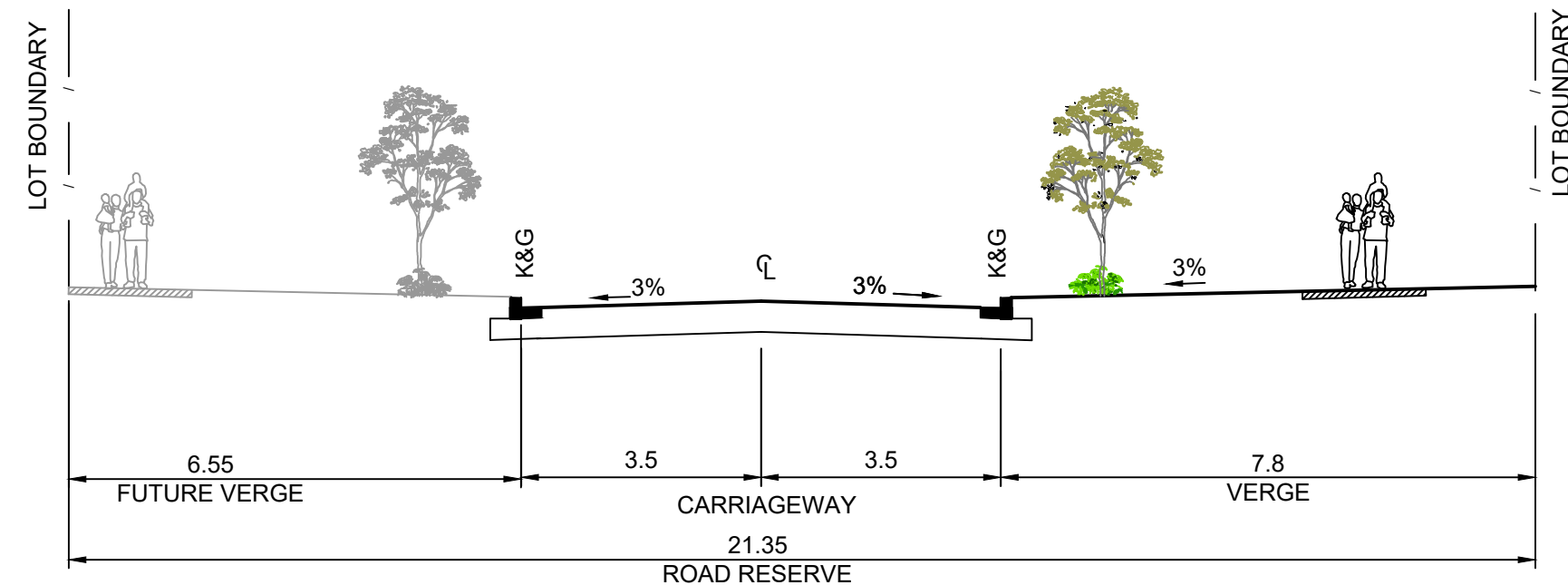
AZIMUTH:M.G.A. 20

DATUM: A.H.D.

ORIGIN: SSM 1112

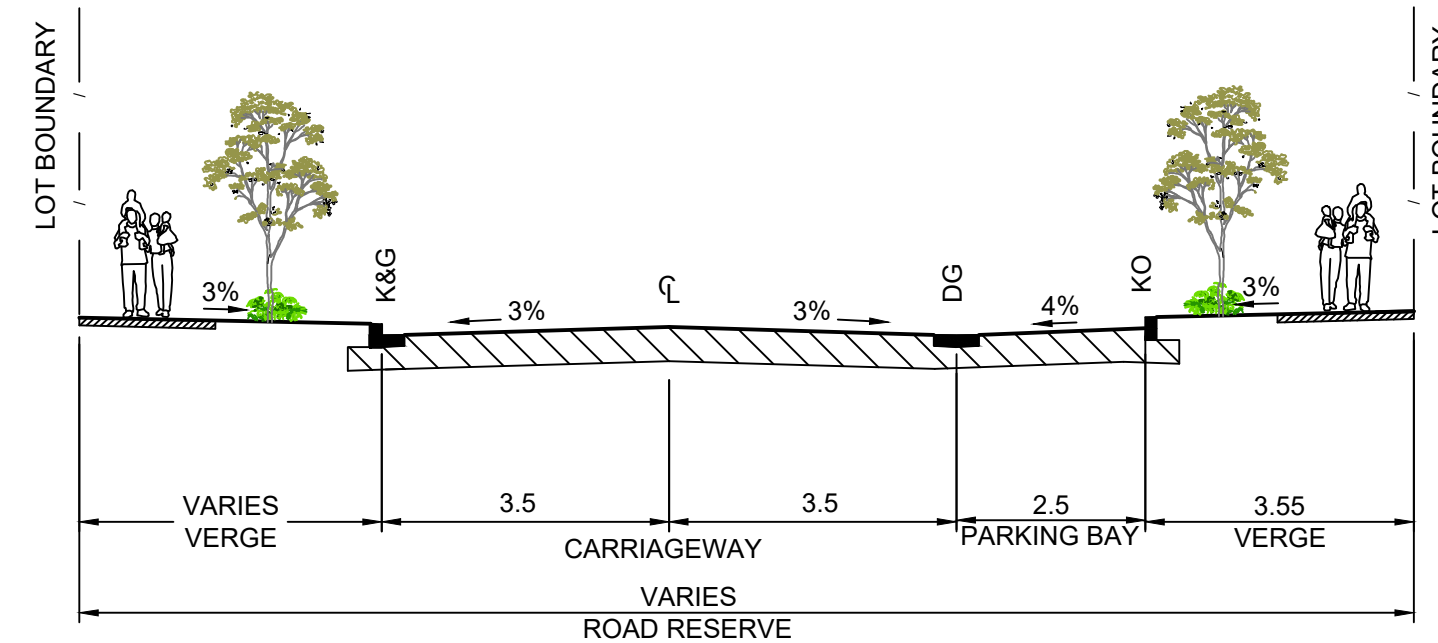
PLAN No: 110500-04-DA003

9



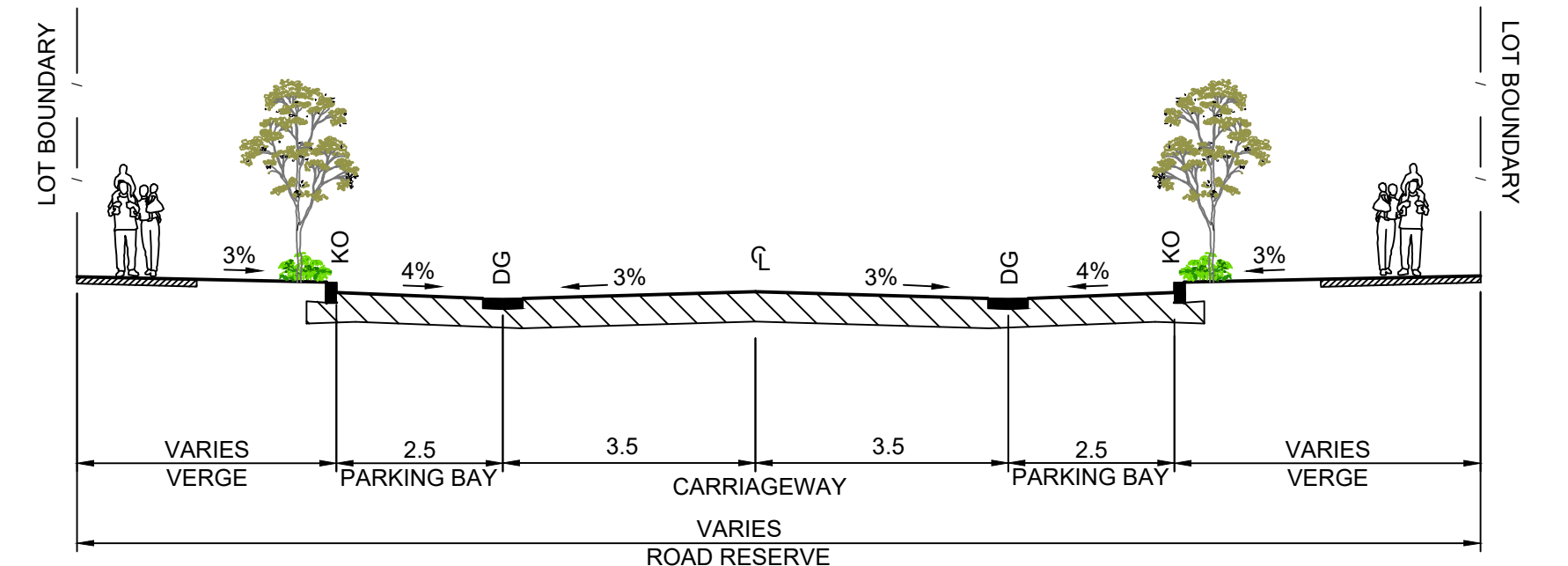
STURT STREET - BETWEEN MEWS STREET
EXIT AND WADE STREET

1:100



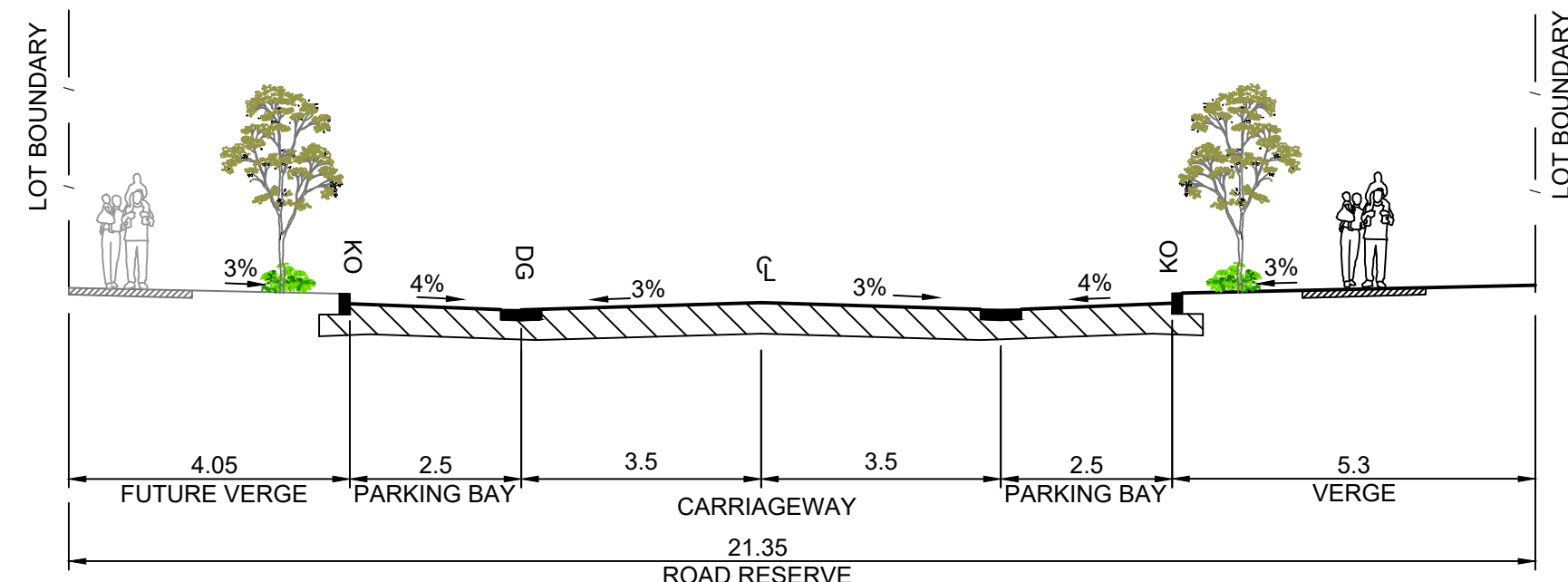
STURT STREET EAST - PARKING BAY BETWEEN
MARSHALL STREET AND BENAUD LANE

1:100



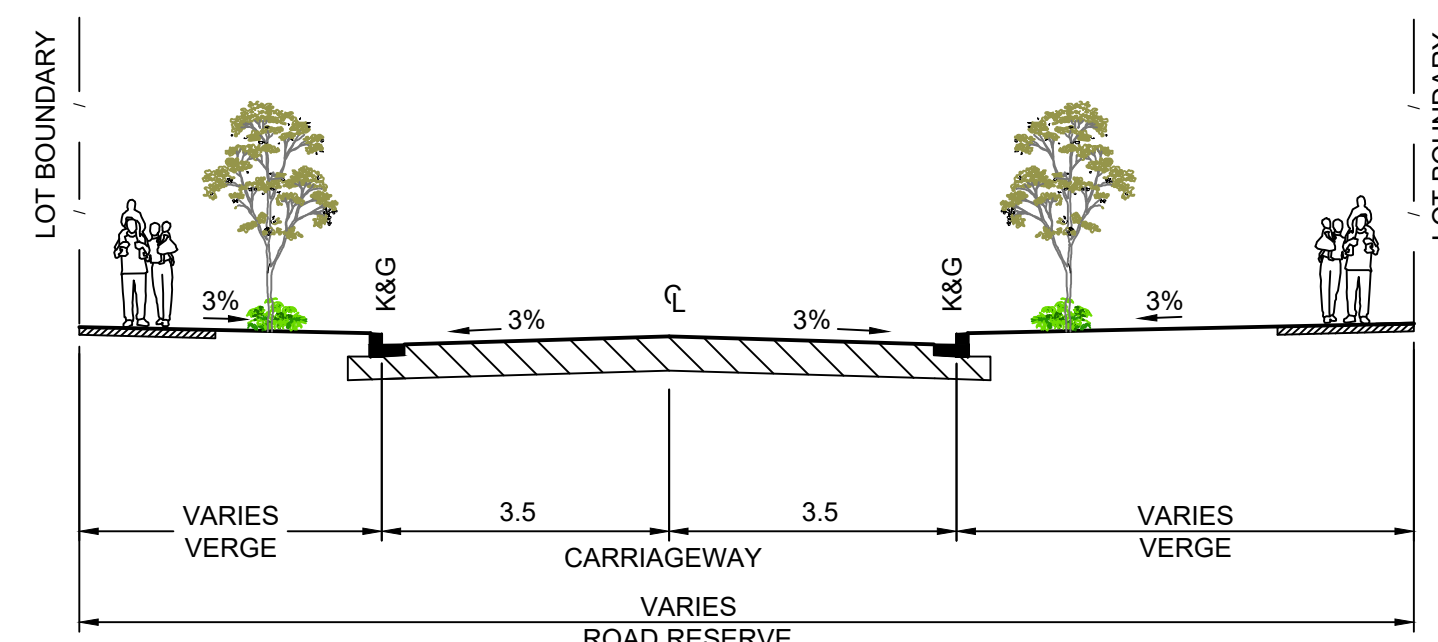
STURT STREET - PARKING BAYS - BETWEEN
SHORTLAND STREET & MEWS STREET EXIT

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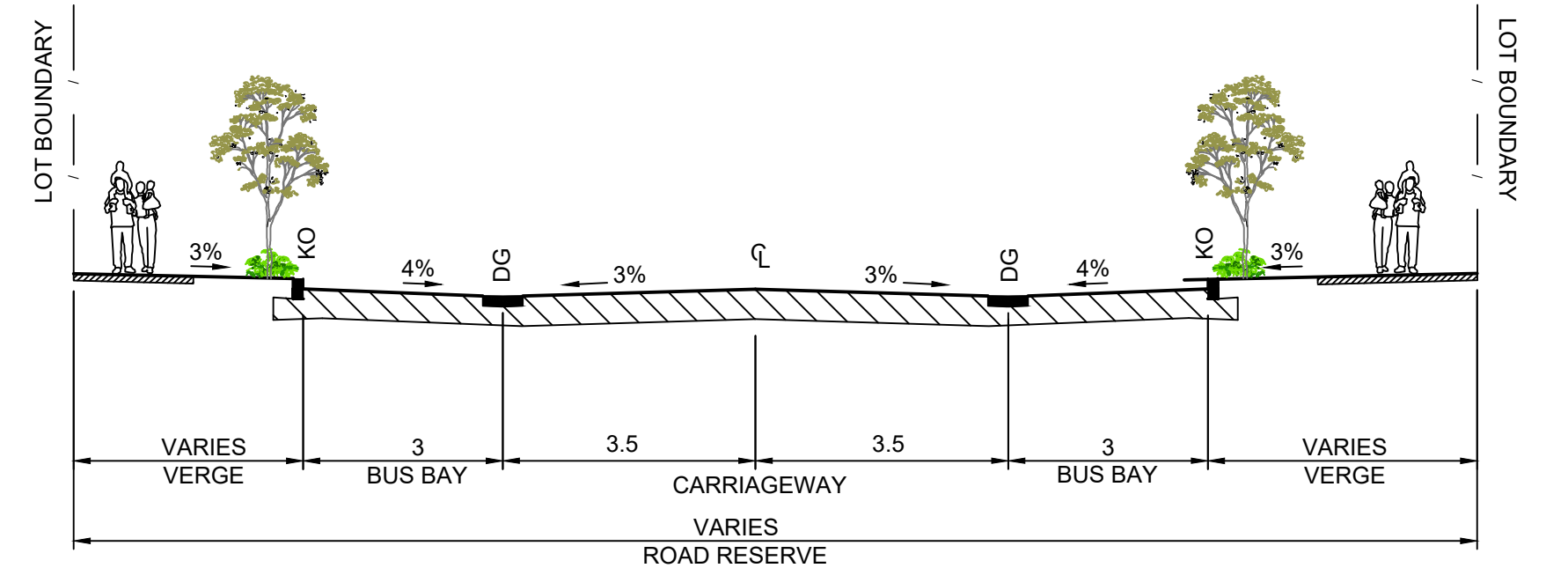
STURT STREET EAST - PARKING BAY BETWEEN
MEWS STREET EXIT AND WADE STREET

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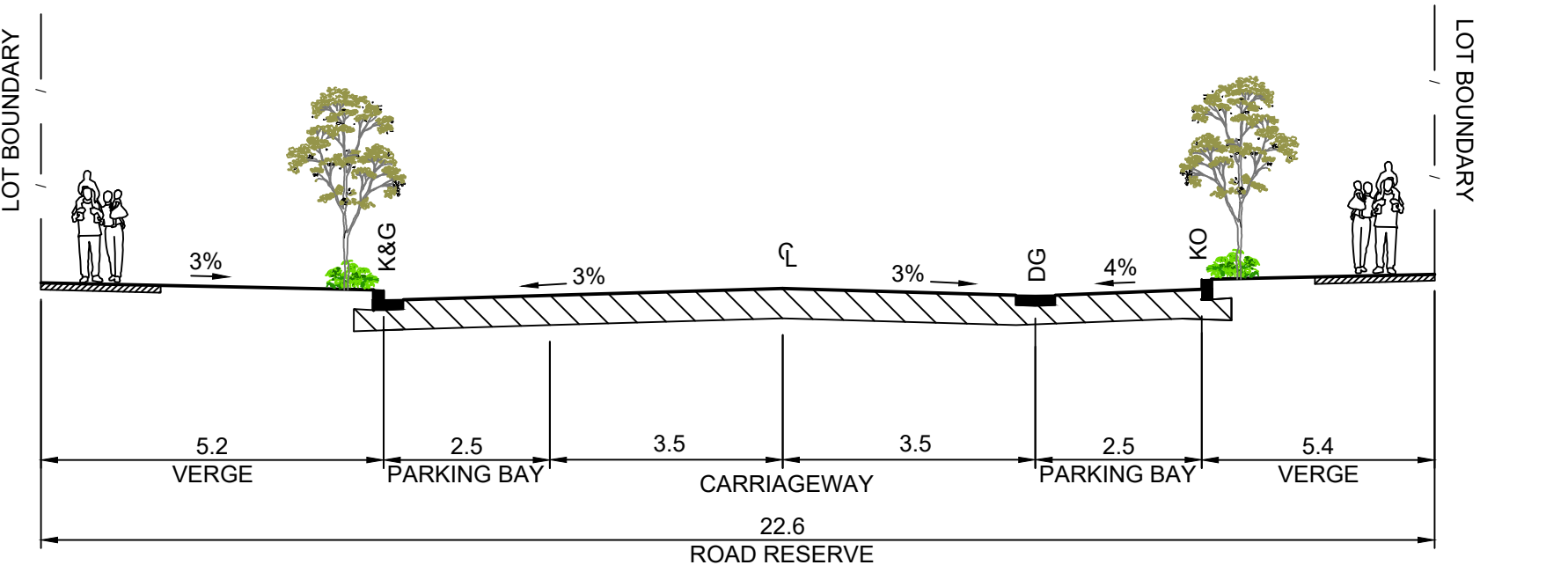
STURT STREET EAST - BETWEEN MARSHALL
STREET AND BENAUD LANE

1:100



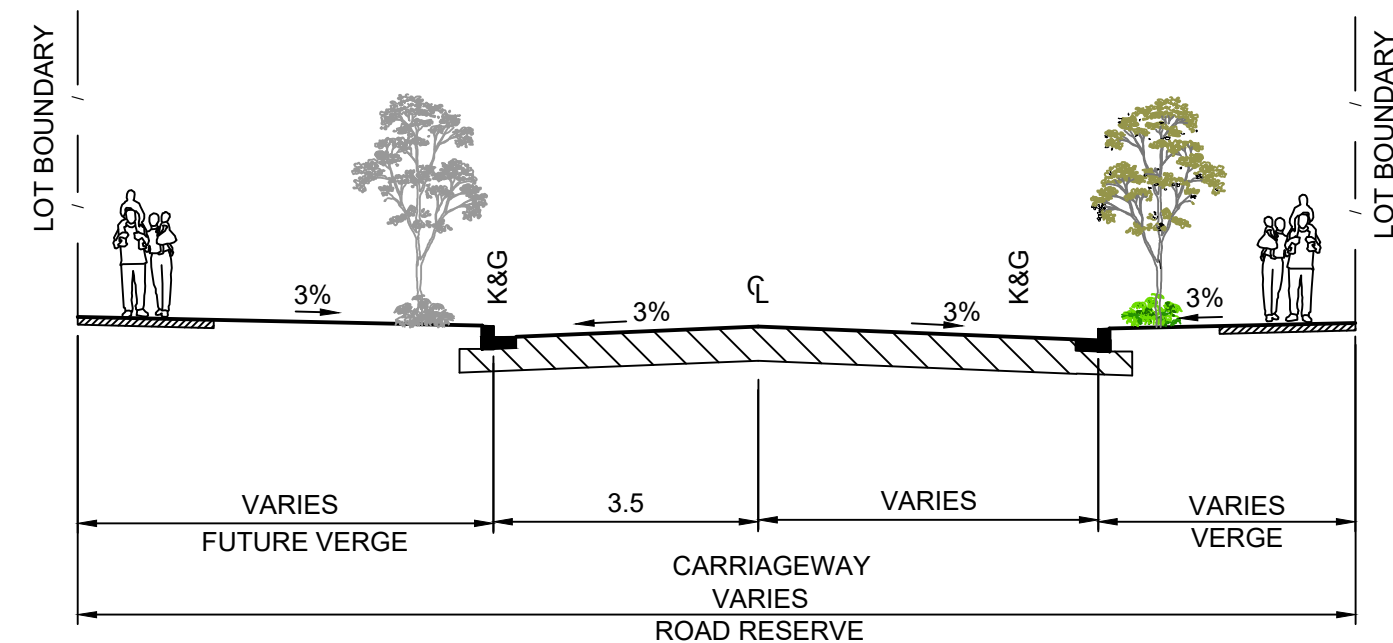
STURT STREET - BUS BAYS - BETWEEN
SHORTLAND STREET & MEWS STREET EXIT

1:100



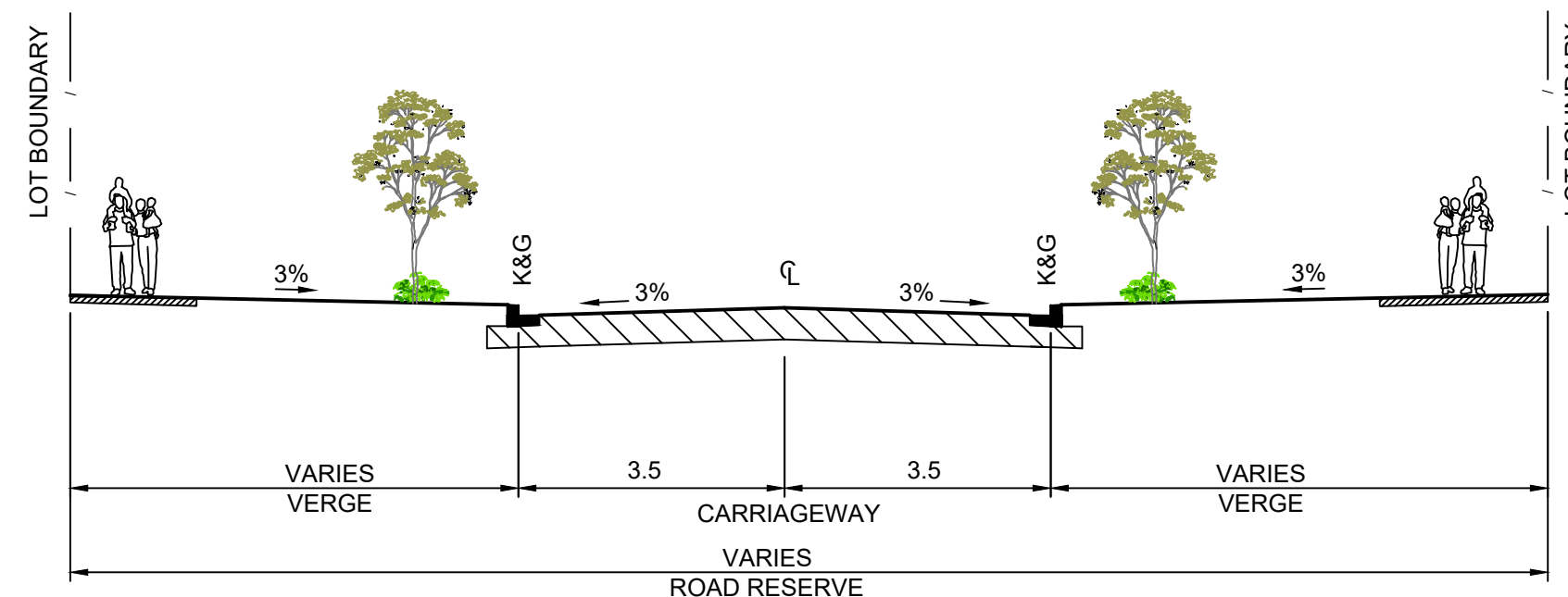
SHORTLAND STREET - PARKING BAYS

1:100



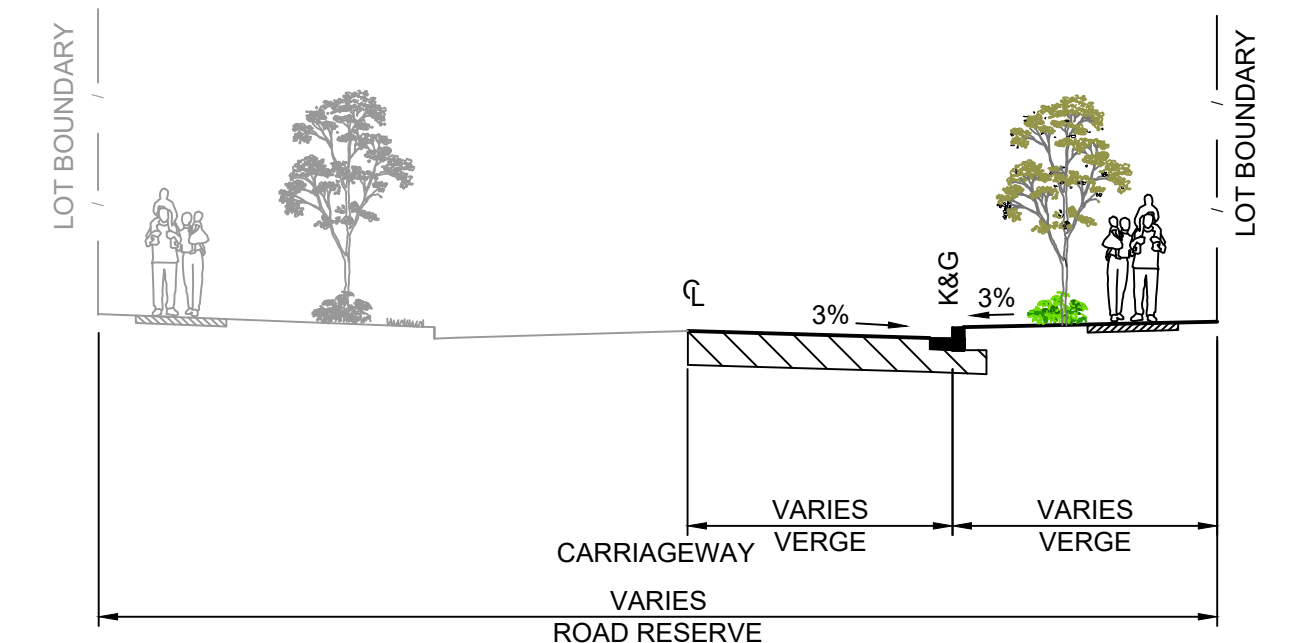
STURT STREET EAST - BETWEEN WADE STREET
AND MARSHALL STREET

1:100



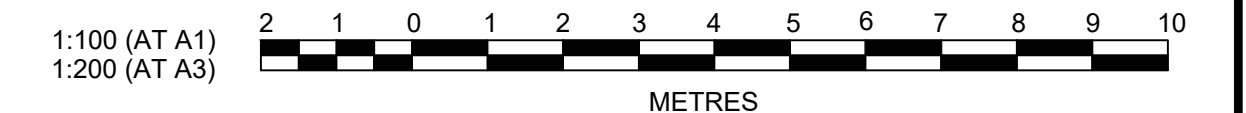
STURT STREET- BETWEEN SHORTLAND STREET
& MEWS STREET EXIT

1:100



SHORTLAND STREET - HALF ROAD

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Plotted: 13 September, 2023 10:03:18 AM File Name: \\110500 - Telopea Urban Renewal\\CDDA\\Concept DA - Masterplan\\110500-04-DA004.dwg

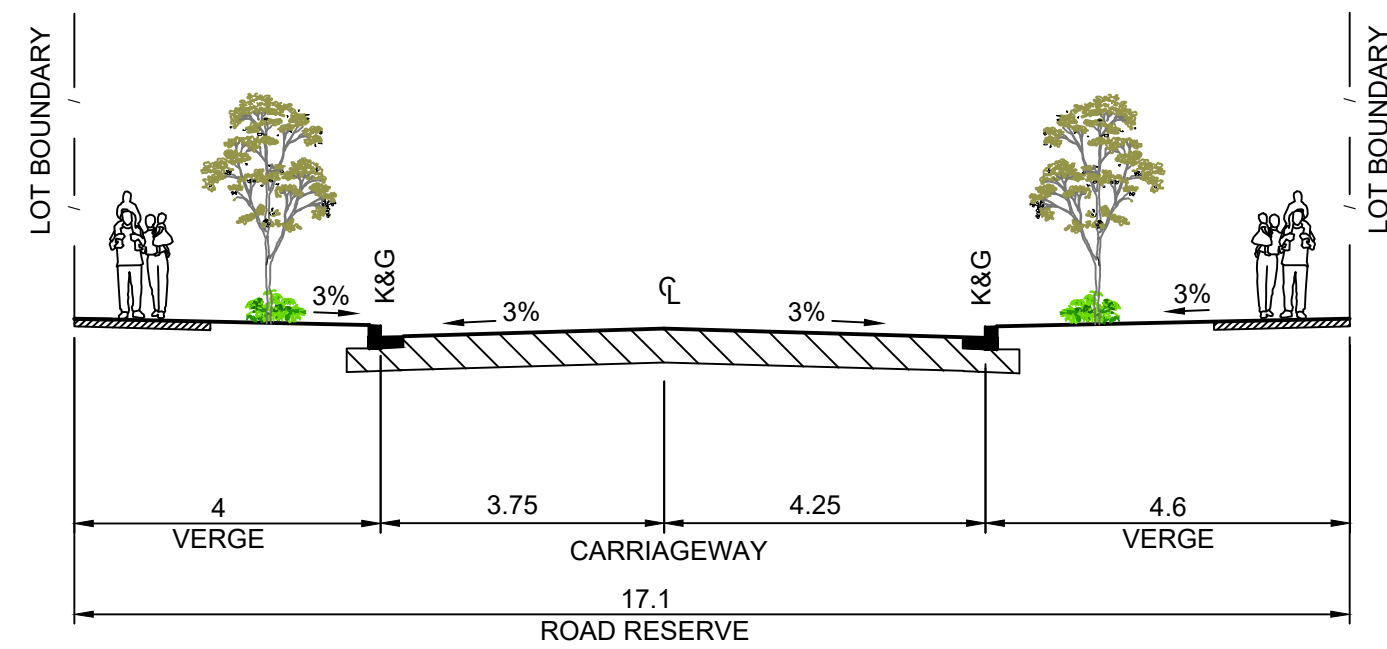
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5	NEW LINK ROAD UPDATED	GA	EJ	MS	MS
4	COUNCIL COMMENTS	GA	GA	MS	MS
3	COUNCIL COMMENTS	GA	EJ	MS	DJ
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ
1	CONSULTANT ISSUE	GA	JM	MS	DJ
	AMENDMENT	DES	DRN	CKD	APR
					DATE

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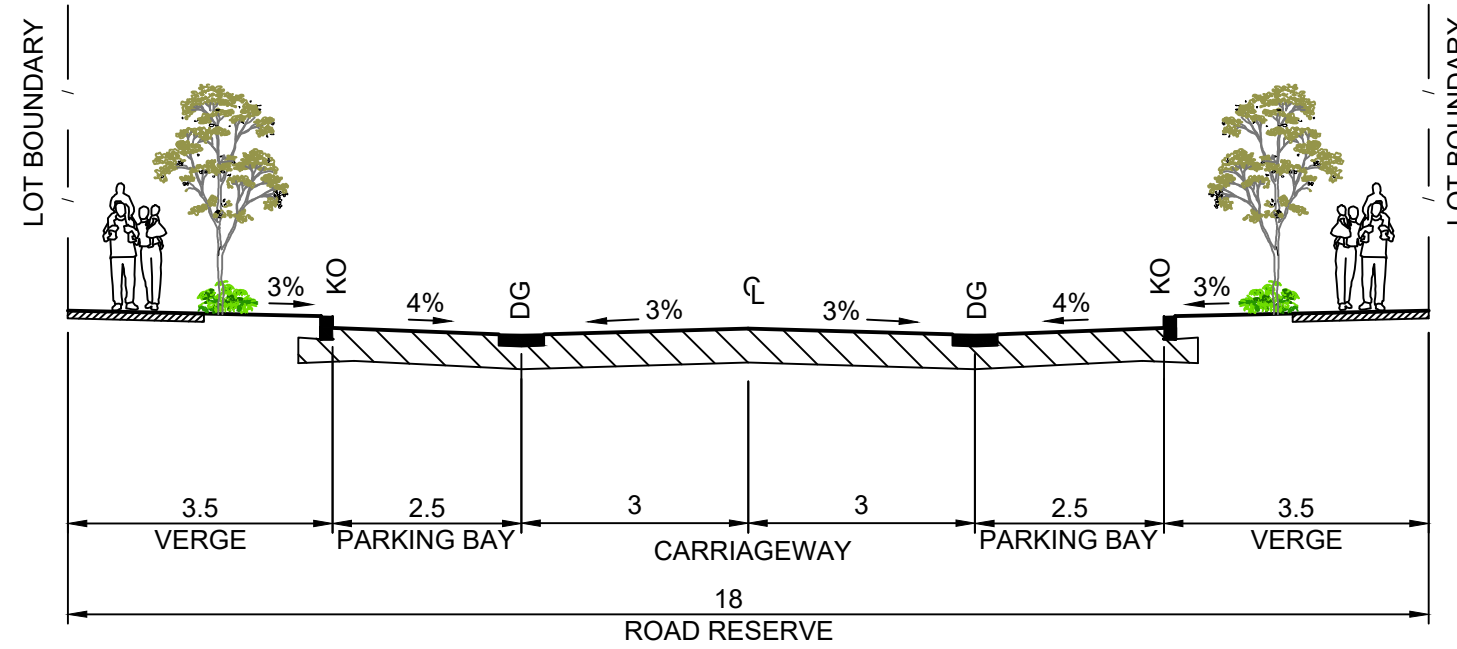
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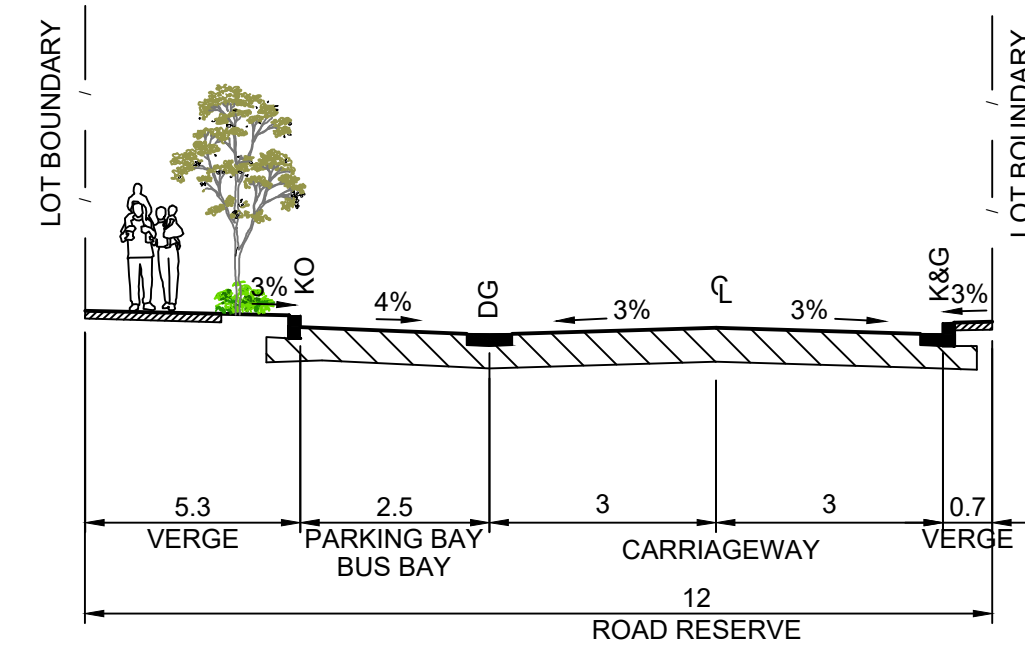
TELOPEA URBAN RENEWAL PROJECT MASTERPLAN TYPICAL SECTIONS SHEET 1				PROJECT No: 110500-04
				SHEET No: DA004
AZIMUTH: M.G.A.	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 110500-04-DA004	6



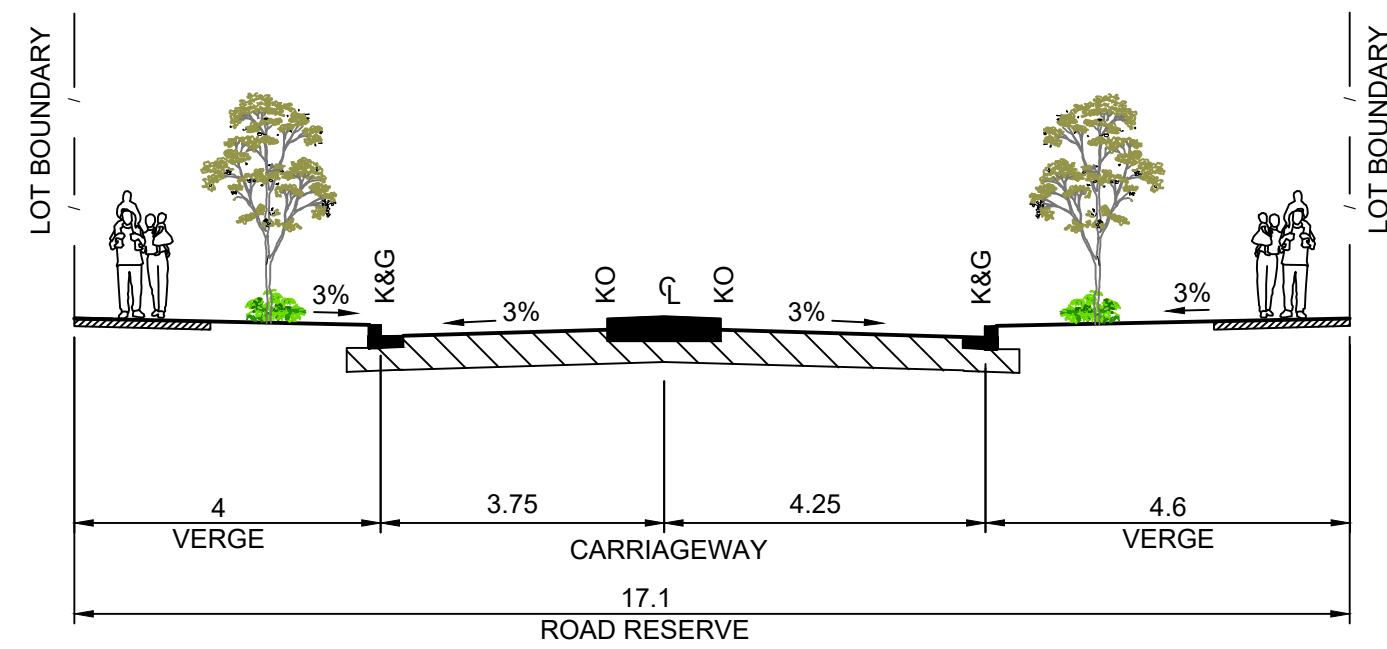
WADE STREET
START-CH18.5 & 163.1-END
1:100



MARSHALL STREET - PARKING BAYS
1:100



BENAUD LANE
1:100



WADE STREET - MEDIAN
1:100

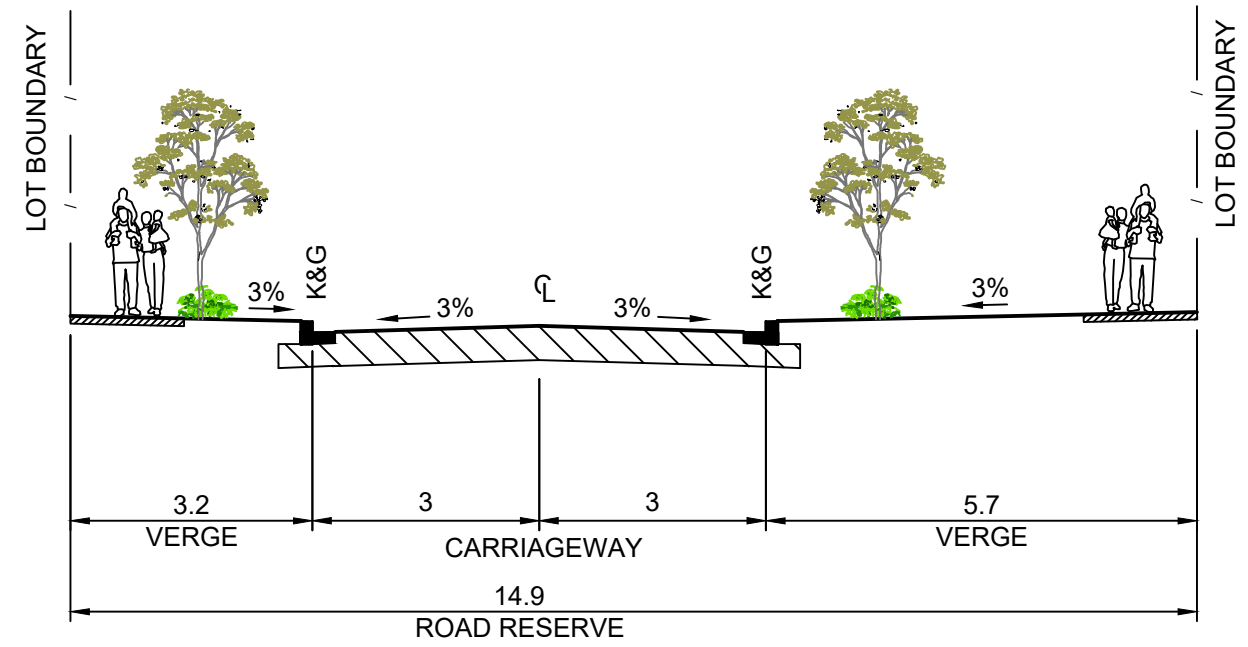
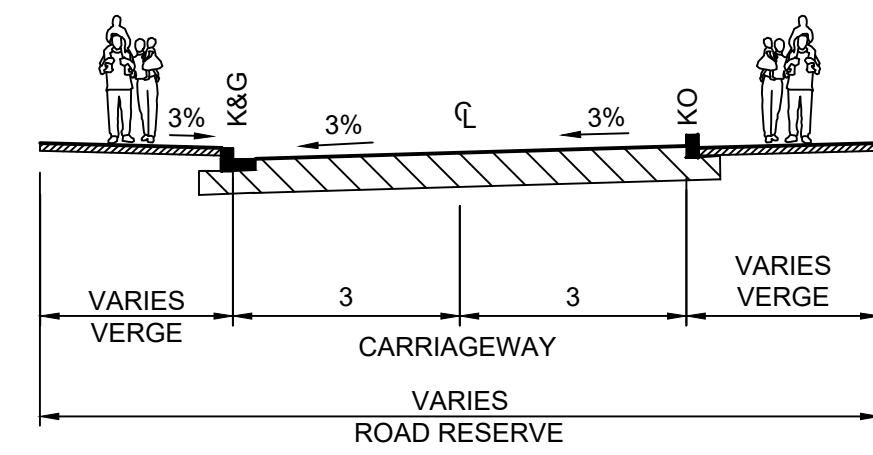
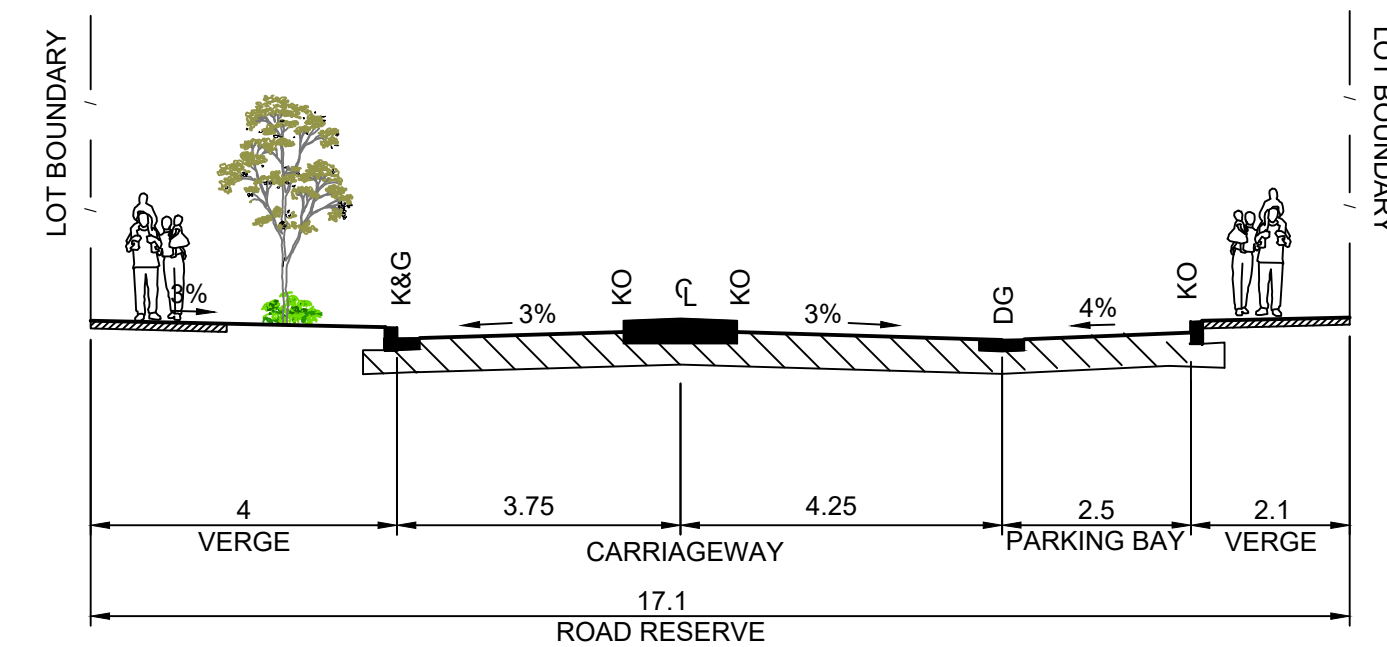


FIG TREE LANE
1:100



MEWS STREET- TWO-WAY
CARRIAGEWAY
1:100



WADE STREET - MEDIAN/PARKING
BAY
1:100

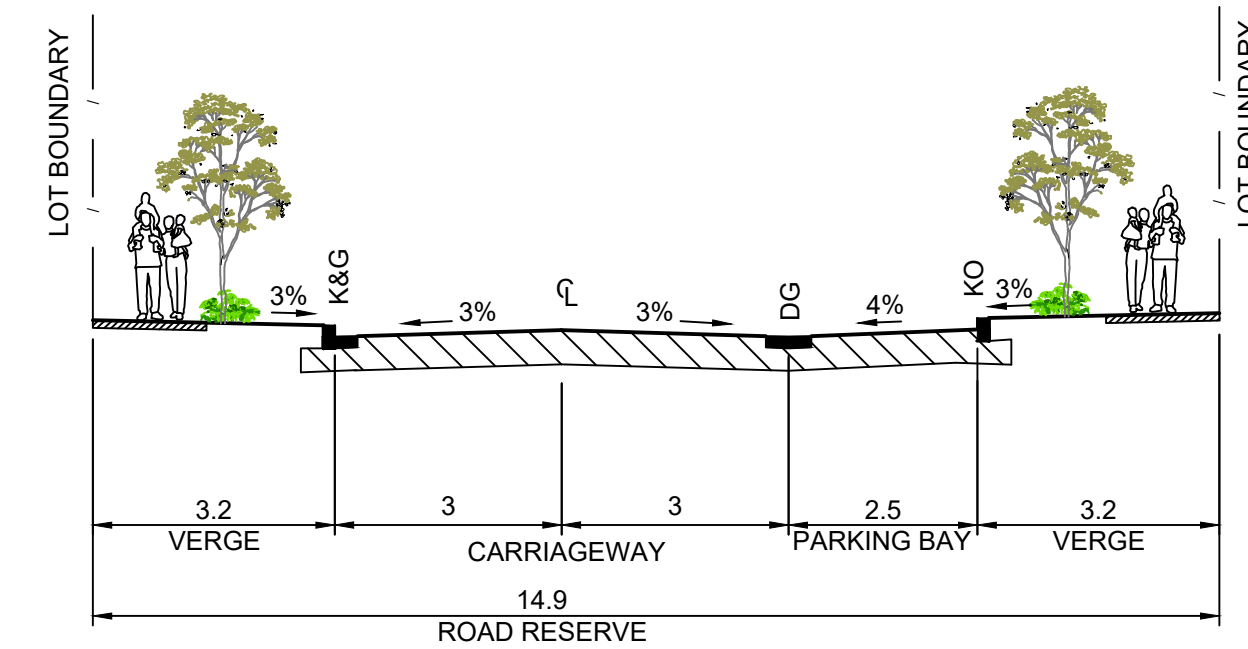
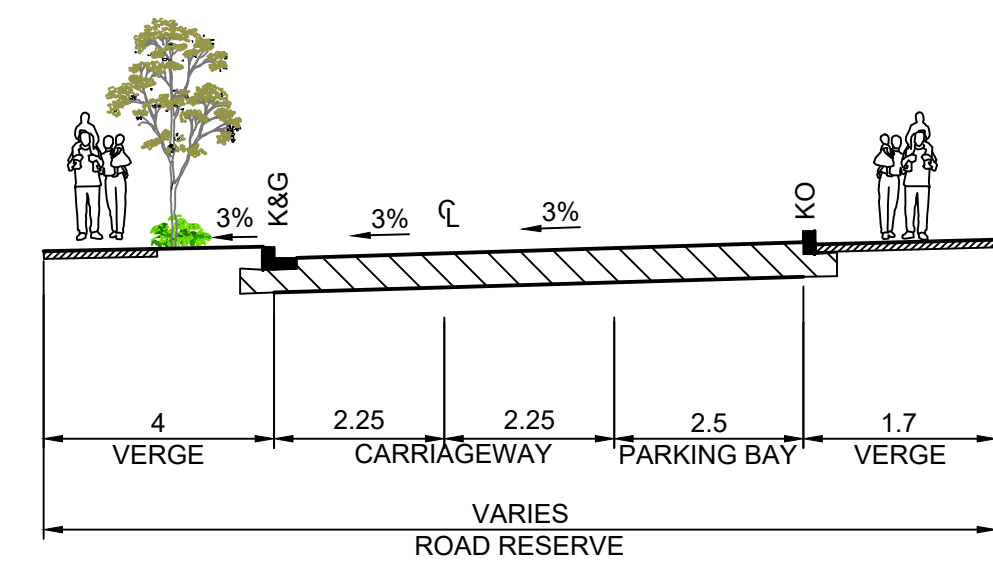
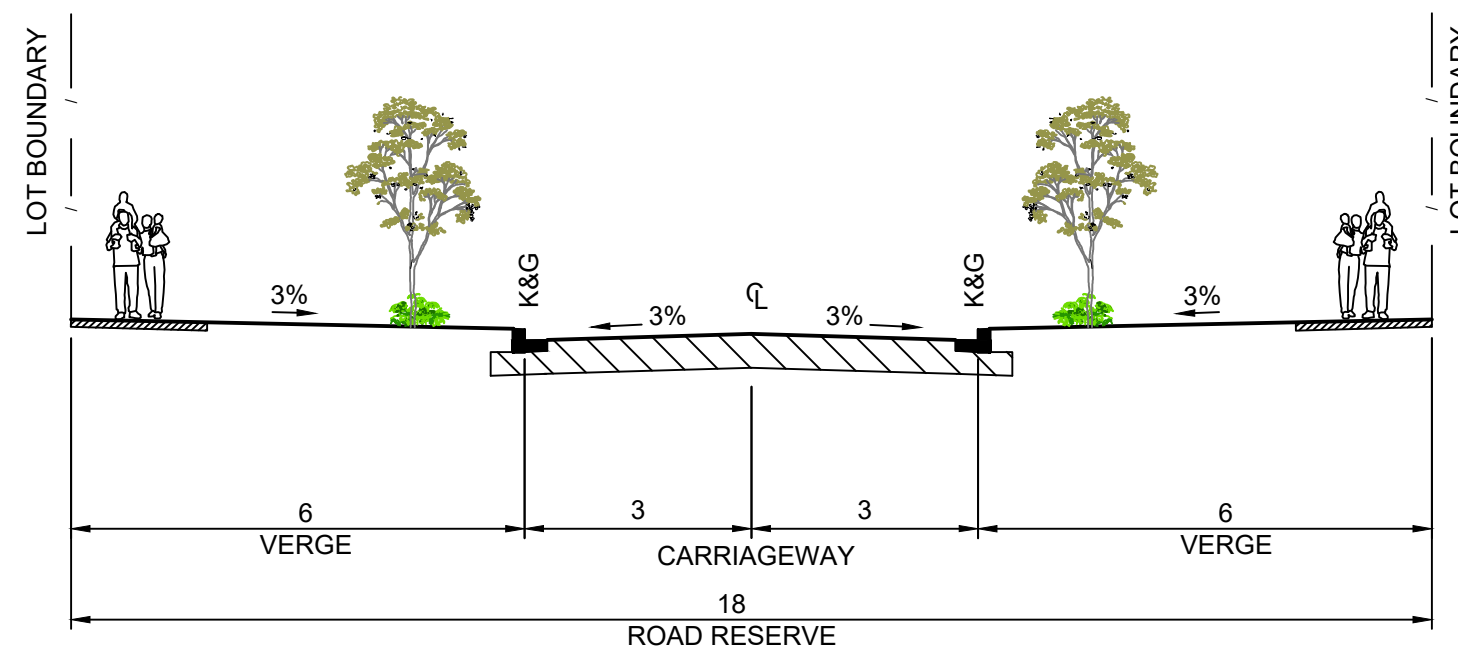


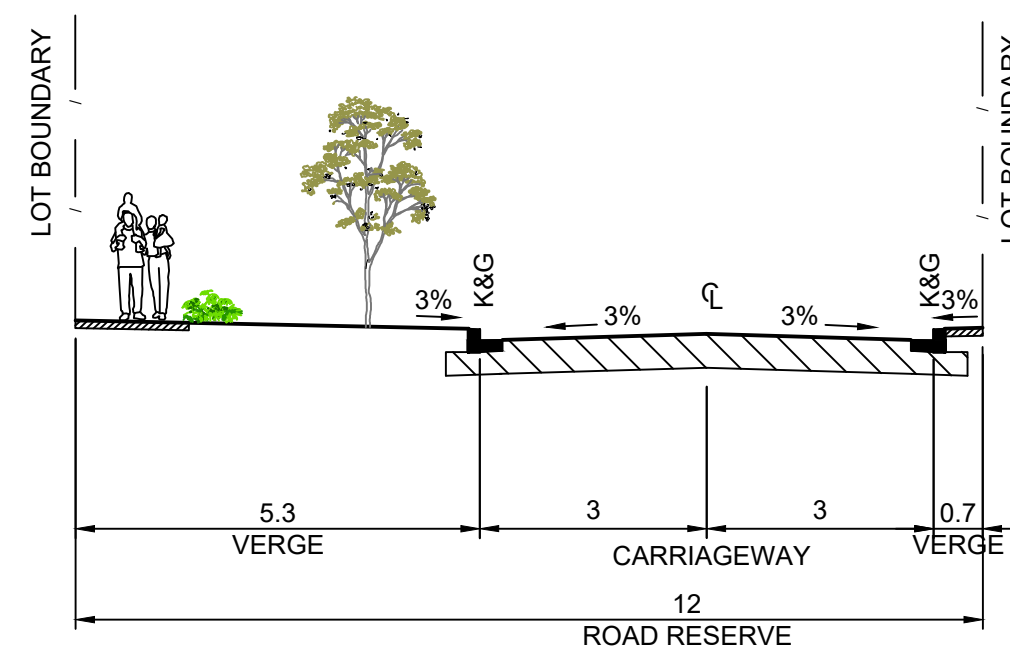
FIG TREE LANE - PARKING BAY
1:100



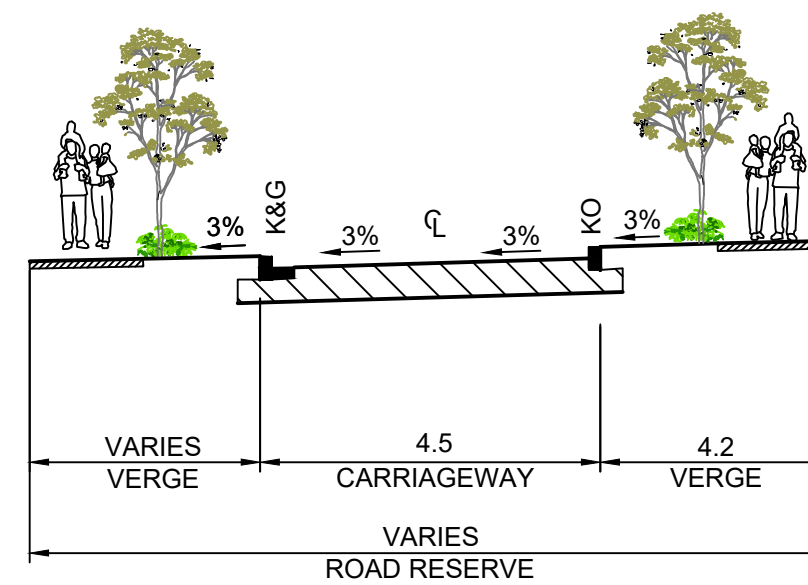
MEWS STREET- ONE-WAY CARRIAGEWAY
WITH PARKING BAYS
1:100



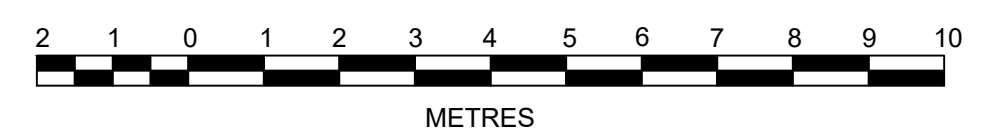
MARSHALL STREET
1:100



BENAUD LANE
1:100



MEWS STREET- ONE-WAY
CARRIAGEWAY
1:100
1:100 (AT A1)
1:200 (AT A3)



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AMENDMENT	DES	DRN	CKD	APR	DATE
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4	GA	EJ	MS	DJ	08/03/22
3	GA	NA	MS	DJ	25/06/21
2	GA	AS	MS	DJ	30/06/20
1	GA	JM	MS	DJ	01/06/20

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
TYPICAL SECTIONS
SHEET 2

PROJECT No:
110500-04

SHEET No:
DA005

AZIMUTH: M.G.A.











DATUM: A.H.D.

ORIGIN: SSM 1112

PLAN No: **110500-04-DA005**

5

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Ranged_file				
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-0.25	to	0.25	m	
0.25	to	1	m	
1.	to	1.5	m	
1.5	to	2	m	
2	to	2.5	m	



REFER TO DRAWING DA007B FOR CONTINUATION

1:500 (AT A1)
1:1000 (AT A3)
10 0 10 20 30 40 50
METRES

REFER TO DRAWING DA007 FOR CONTINUATION

6	CUT/FILL HATCH & STURT ST UPDATED	GA	GA	MS	MS	13/09/23	
5	NEW LINK ROAD UPDATED	GA	EJ	MS	MS	08/11/22	
4	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22	
3	MEWS ADDED	GA	NA	MS	DJ	25/06/21	
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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
CUT & FILL PLAN
SHEET 1

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 110500-04-DA006

PROJECT No:

110500-04

SHEET No:

DA006

Plotted: 13 September, 2023 10:05:42 AM File Name: \\110500 - Telopea Urban Renewal\\CDDA\\Concept DA - Masterplan\\110500-04-DA007.dwg

REFER TO DRAWING DA006 & DA007B FOR CONTINUATION



5	CUT/FILL HATCH & STURT ST UPDATED	GA	GA	MS	MS	13/09/23
4	COUNCIL COMMENTS	GA	EJ	DJ	DJ	08/03/22
3	MEWS ADDED	GA	NA	MS	DJ	25/06/21
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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
CUT & FILL PLAN
SHEET 2

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 110500-04-DA007

PROJECT No:

110500-04

SHEET No:

DA007

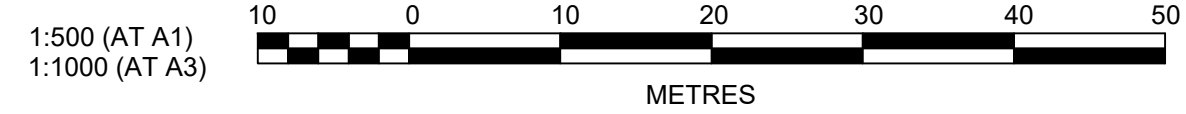
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-2	to	-1.5	m		
-1.5	to	-1	m		
-1	to	-0.5	m		
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-0.25	to	0.25	m		
0.25	to	1	m		
1	to	1.5	m		
1.5	to	2	m		
2	to	2.5	m		



REFER TO DRAWING DA006 FOR CONTINUATION

REFER TO DRAWING DA007 FOR CONTINUATION



3	CUT/FILL HATCH & STURT ST UPDATED	GA	GA	MS	MS	13/09/23
2	NEW LINK ROAD UPDATED	GA	EJ	MS	MS	11/08/22
1	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
	AMENDMENT	DES	DRN	CKD	APR	DATE

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
CUT & FILL PLAN
SHEET 3

PROJECT No:

110500-04

SHEET No:

A007B

AZIMUTH: M.G.A.

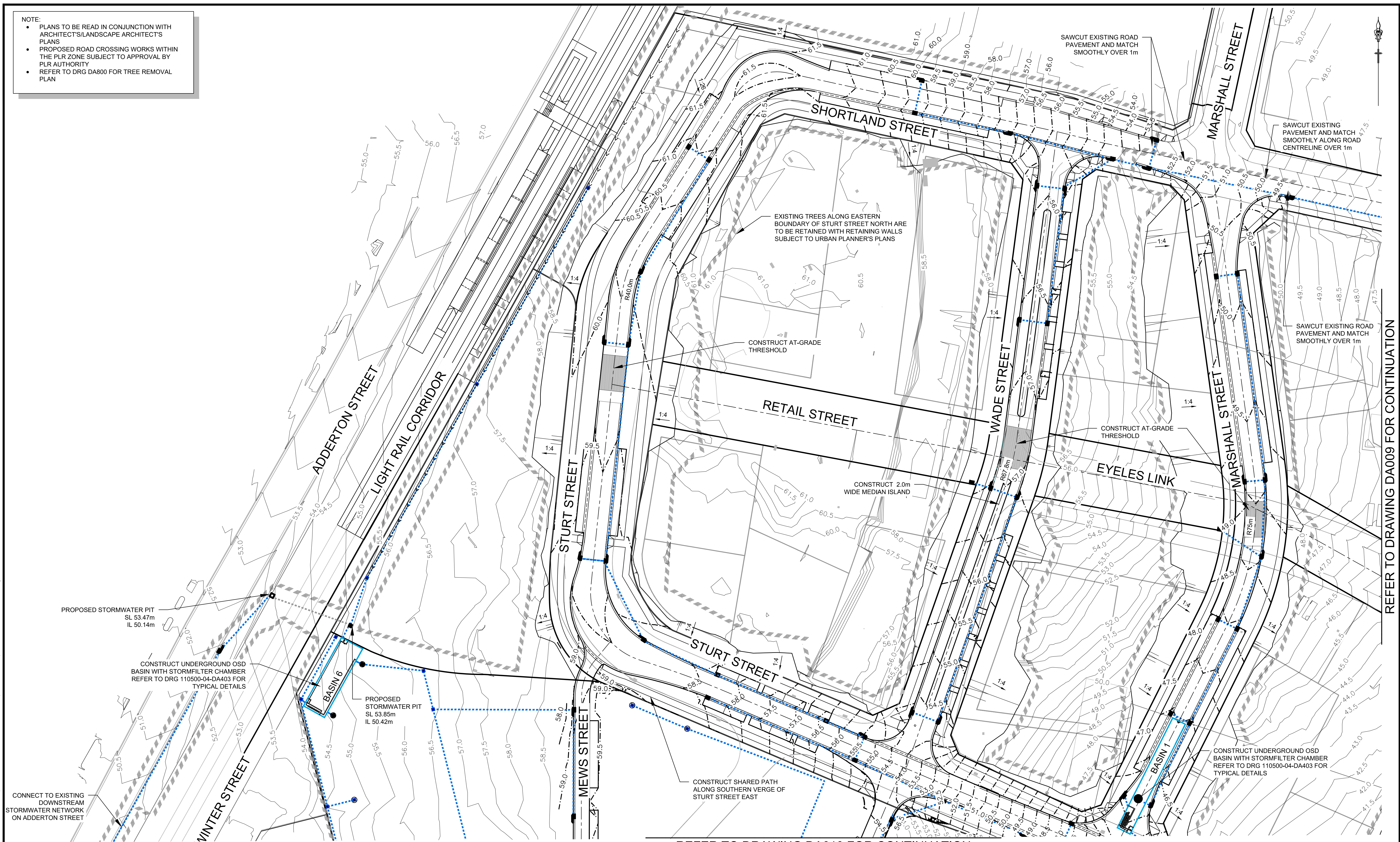
DATUM: A.H.D.

ORIGIN: SSM 1112

PLAN No: 110500-04-DA007B

3

- NOTE:
- PLANS TO BE READ IN CONJUNCTION WITH ARCHITECT'S/LANDSCAPE ARCHITECT'S PLANS
 - PROPOSED ROAD CROSSING WORKS WITHIN THE PLR ZONE SUBJECT TO APPROVAL BY PLR AUTHORITY
 - REFER TO DRG DA800 FOR TREE REMOVAL PLAN



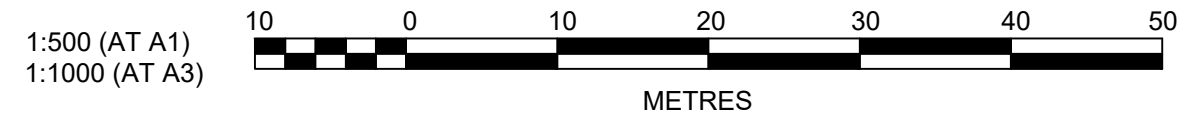
REFER TO DRAWING DA010 FOR CONTINUATION

REFER TO DRAWING DA009 FOR CONTINUATION



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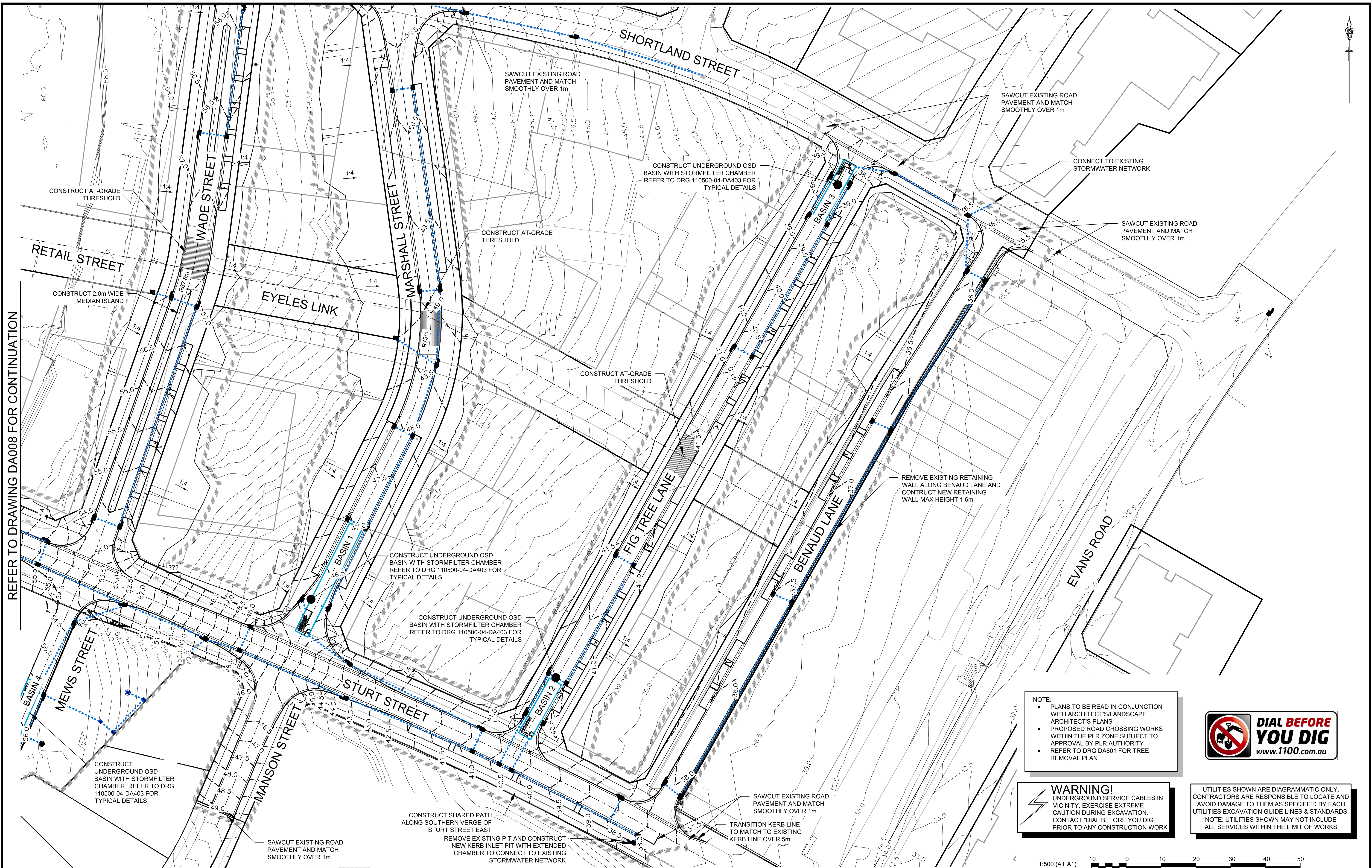
10	NEW LINK ROAD REMOVED; MEWS S17 STURT ST UPDATED	GA	GA	MS	MS	13/09/23
9	STURT STREET INTERSECTION UPDATED	KE	GA	MS	MS	22/03/23
8	NEW LINK ROAD UPDATED	GA	EJ	MS	MS	08/11/22
7	COUNCIL COMMENTS	GA	GA	MS	MS	29/09/22
6	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
5	BASIN 4 UPDATED	GA	GA	MS	DJ	01/07/21
4	MEWS ADDED	GA	NA	MS	DJ	25/06/21
3	STAGE 1A AMENDED	MS	JM	MS	DJ	18/08/20
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
1	CONSULTANT ISSUE	GA	JM	MS	DJ	01/06/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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TELOPEA URBAN RENEWAL PROJECT MASTERPLAN ENGINEERING CONCEPT PLAN SHEET 1				PROJECT No: 110500-04
				SHEET No: DA008
AZIMUTH: M.G.A.	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 110500-04-DA008	10



REFER TO DRAWING DA008 FOR CONTINUATION

REFER TO DRAWING DA010 FOR CONTINUATION

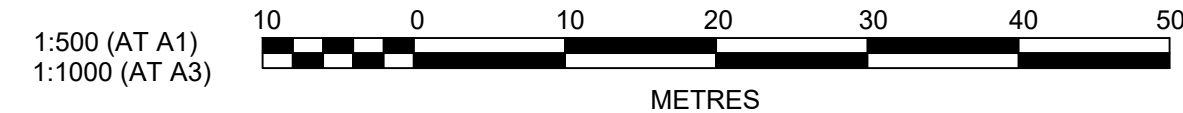
NOTE:

- PLANS TO BE READ IN CONJUNCTION WITH ARCHITECT'S/LANDSCAPE ARCHITECT'S PLANS
- PROPOSED ROAD CROSSING WORKS WITHIN THE PLR ZONE SUBJECT TO APPROVAL BY PLR AUTHORITY
- REFER TO DRG DA801 FOR TREE REMOVAL PLAN



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9	STURT ST UPDATED	GA	GA	MS	MS	13/09/23
8	STAGE 1A BASIN 4 LAYOUT UPDATED	GA	GA	MS	MS	21/07/23
7	COUNCIL COMMENTS	GA	GA	MS	MS	28/09/23
6	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
5	BASIN 4 UPDATED	GA	GA	MS	DJ	01/07/21
4	MEWS ADDED	GA	NA	MS	DJ	25/08/21
3	STAGE 1A AMENDED	MS	JM	MS	DJ	18/08/20
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
1	CONSULTANT ISSUE	GA	JM	MS	DJ	01/06/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

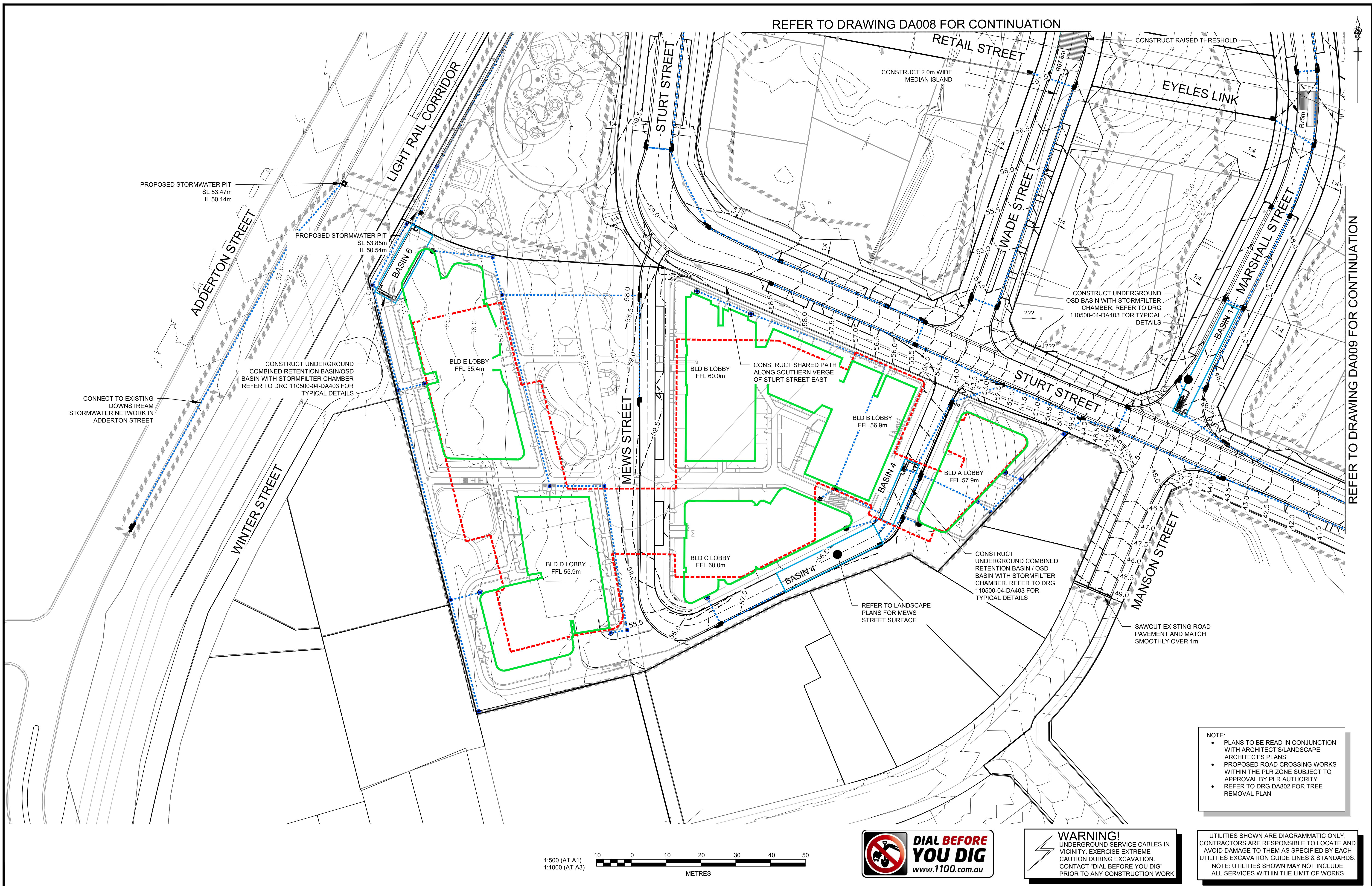
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TELOPEA URBAN RENEWAL PROJECT MASTERPLAN ENGINEERING CONCEPT PLAN SHEET 2				PROJECT No: 110500-04
				SHEET No: DA009
AZIMUTH: M.G.A.	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 110500-04-DA009	9

Plotted: 13 September, 2023 10:09:40 AM File Name: \\110500 - Telopea Urban Renewal\\CDDA\\Concept DA - Masterplan\\110500-04-DA010.dwg



11	NEW LINK ROAD REMOVED; MEWS S17/STURT ST UPDATED	GA	GA	MS	MS	13/09/23
10	STAGE 1A BUILDING, BASIN 4 & DRAINAGE LAYOUT UPDATED	GA	GA	MS	MS	21/07/23
9	STURT STREET INTERSECTION UPDATED	KE	GA	MS	MS	22/03/23
8	NEW LINK ROAD UPDATED	GA	EJ	MS	MS	08/11/22
7	COUNCIL COMMENTS	GA	GA	MS	MS	29/09/22
6	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
5	BASIN 4 UPDATED	GA	GA	MS	DJ	01/07/21
4	MEWS ADDED	GA	NA	MS	DJ	25/06/21
3	STAGE 1A AMENDED	MS	JM	MS	DJ	18/08/20
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
ENGINEERING CONCEPT PLAN
SHEET 3

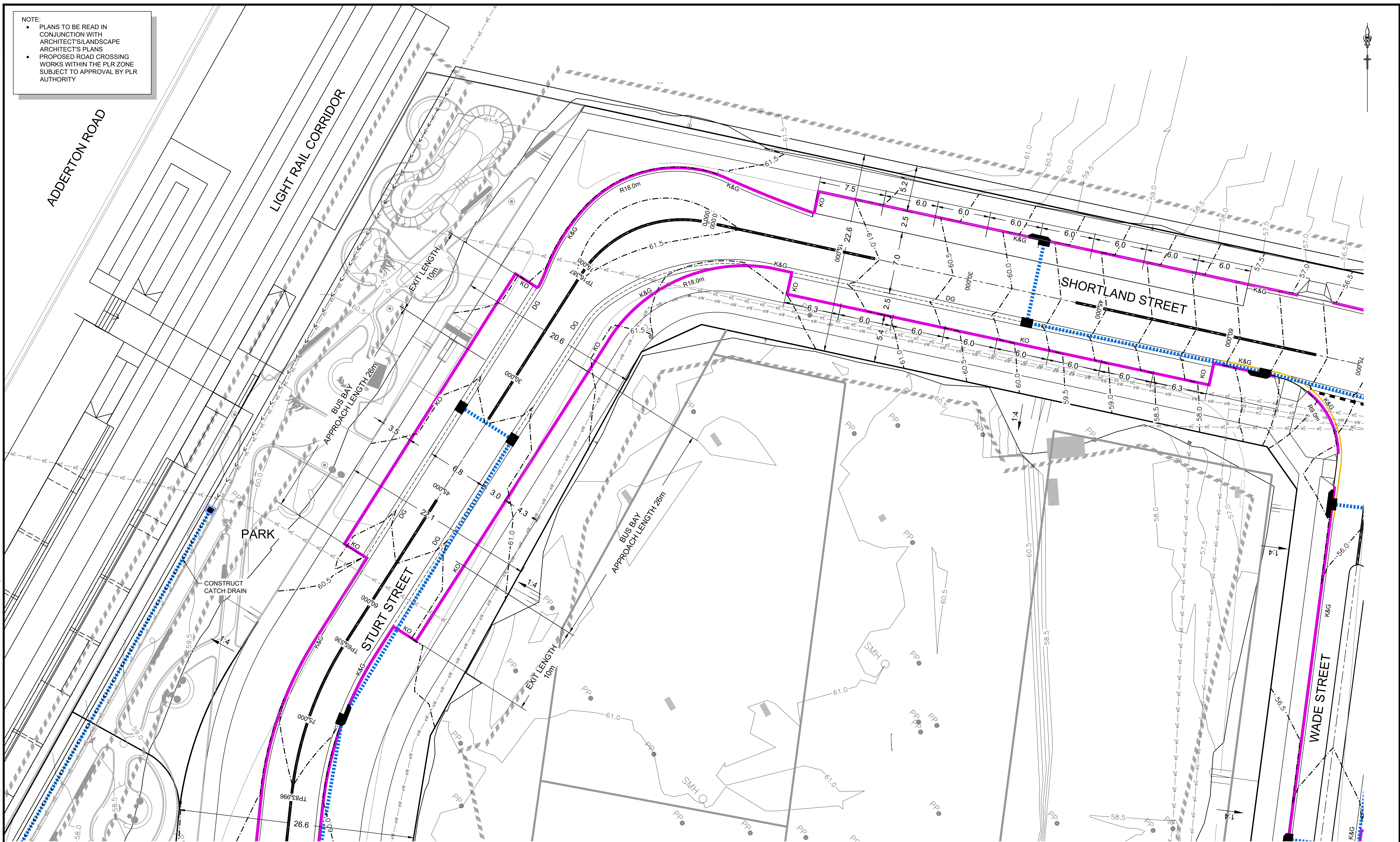
PLAN No: 110500-04-DA010

PROJECT No: 110500-04

SHEET No: DA010

11

NOTE:
• PLANS TO BE READ IN CONJUNCTION WITH ARCHITECT'S/LANDSCAPE ARCHITECT'S PLANS
• PROPOSED ROAD CROSSING WORKS WITHIN THE PLR ZONE SUBJECT TO APPROVAL BY PLR AUTHORITY



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1:200 (AT A1)
1:400 (AT A3)
4 2 0 4 8 12 16 20
METRES

AMENDMENT	DES	DRN	CKD	APR	DATE
4	GA	GA	MS	MS	13/09/23
3	GA	EJ	MS	DJ	08/03/22
2	GA	AS	MS	DJ	30/06/20
1	GA	JM	MS	DJ	01/06/20

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
INTERSECTION PLAN
SHEET 1

PROJECT No:

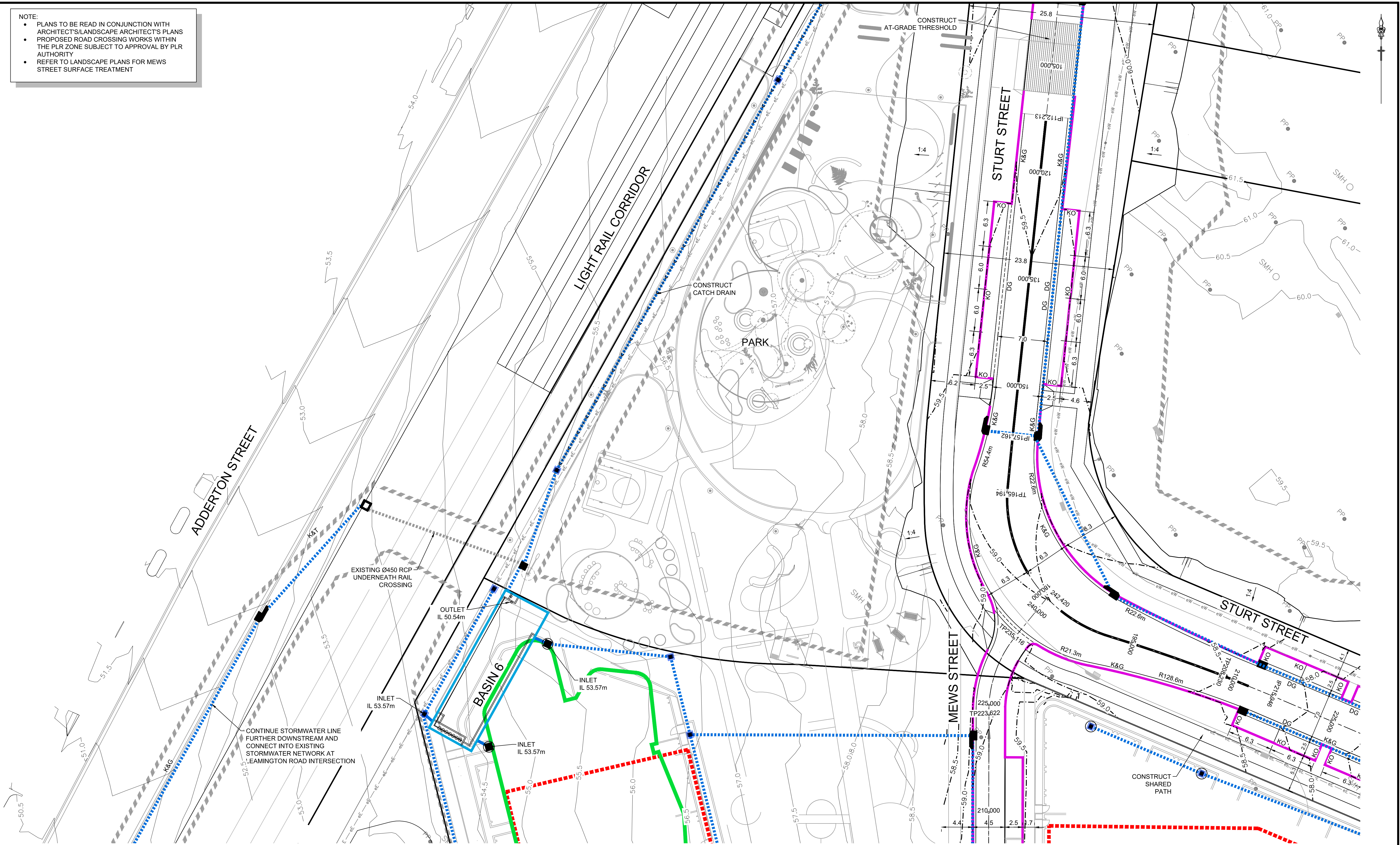
110500-04

SHEET No:

DA011

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 110500-04-DA011

- NOTE:
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 - PROPOSED ROAD CROSSING WORKS WITHIN THE PLR ZONE SUBJECT TO APPROVAL BY PLR AUTHORITY
 - REFER TO LANDSCAPE PLANS FOR MEWS STREET SURFACE TREATMENT



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1:250 (AT A1)
1:500 (AT A3)
5 0 5 10 15 20 25
METRES

10	NEW LINK ROAD REMOVED; MEWS S17 STURT ST UPDATED	GA	GA	MS	MS	13/09/23
9	STAGE 1A BUILDING LAYOUT UPDATED	GA	GA	MS	MS	21/07/23
8	STURT STREET INTERSECTION UPDATED	KE	GA	MS	MS	22/03/23
7	NEW LINK ROAD UPDATED	GA	EJ	MS	MS	08/11/23
6	COUNCIL COMMENTS	GA	GA	MS	MS	29/09/22
5	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
4	MEWS ADDED	GA	NA	MS	DJ	25/06/21
3	STAGE 1A AMENDED	MS	JM	MS	DJ	18/08/20
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
1	CONSULTANT ISSUE	GA	JM	MS	DJ	01/06/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
INTERSECTION PLAN
SHEET 2

PROJECT No:

110500-04

SHEET No:

DA012

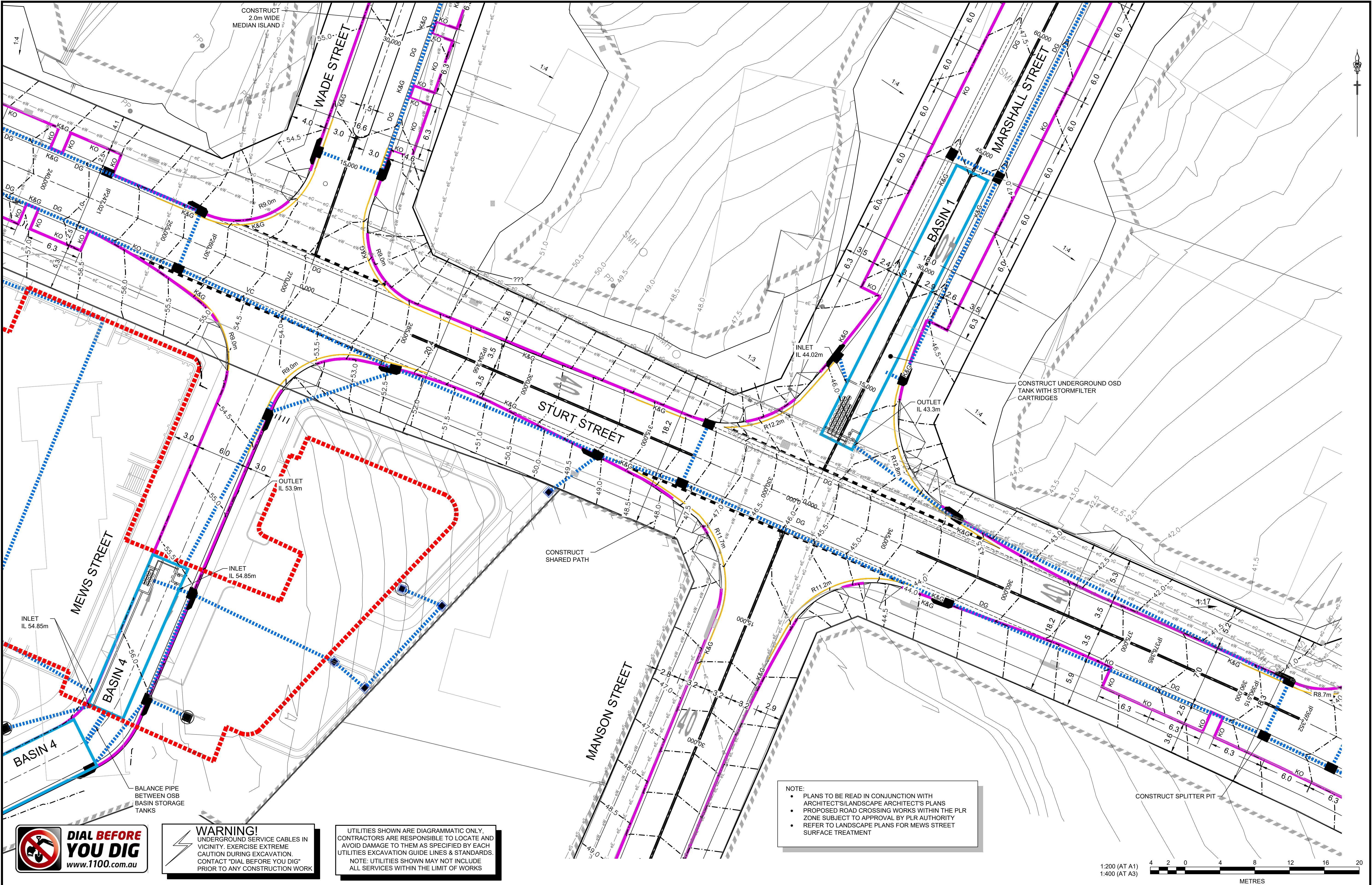
AZIMUTH: M.G.A.

DATUM: A.H.D.

ORIGIN: SSM 1112

PLAN No: 110500-04-DA012

10



9	STURT ST UPDATED	GA	GA	MS	MS	13/09/23
8	STAGE 1A BUILDING, BASIN 4 & DRAINAGE LAYOUT UPDATED	GA	GA	MS	MS	21/07/23
7	COUNCIL COMMENTS	GA	GA	MS	MS	29/09/22
6	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
5	BASIN 4 UPDATED	GA	GA	MS	DJ	01/07/21
4	MEWS ADDED	GA	NA	MS	DJ	25/06/21
3	STAGE 1A AMENDED	MS	JM	MS	DJ	18/08/20
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
1	CONSULTANT ISSUE	GA	JM	MS	DJ	01/06/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
INTERSECTION PLAN
SHEET 3

PROJECT No:
110500-04

SHEET No:
DA013

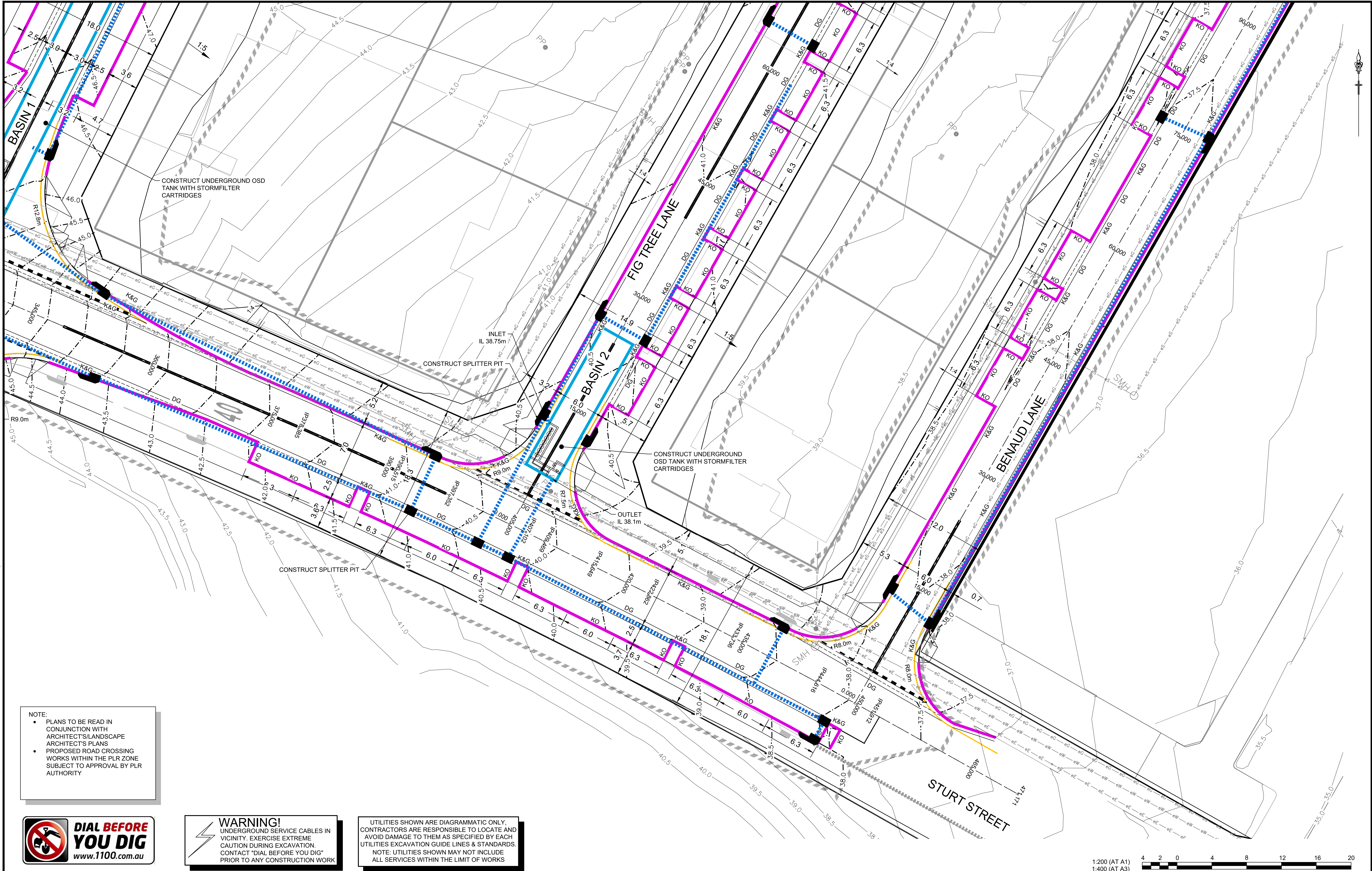
AZIMUTH: M.G.A.

DATUM: A.H.D.

ORIGIN: SSM 1112

PLAN No: 110500-04-DA013

9



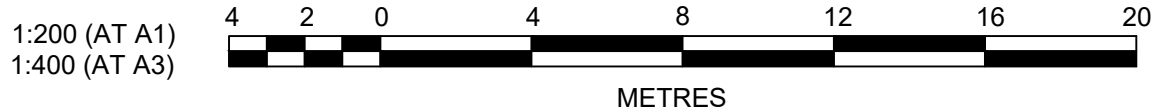
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3	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
1	CONSULTANT ISSUE	GA	JM	MS	DJ	01/06/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
INTERSECTION PLAN
SHEET 4

PROJECT No:

110500-04

SHEET No:

DA014

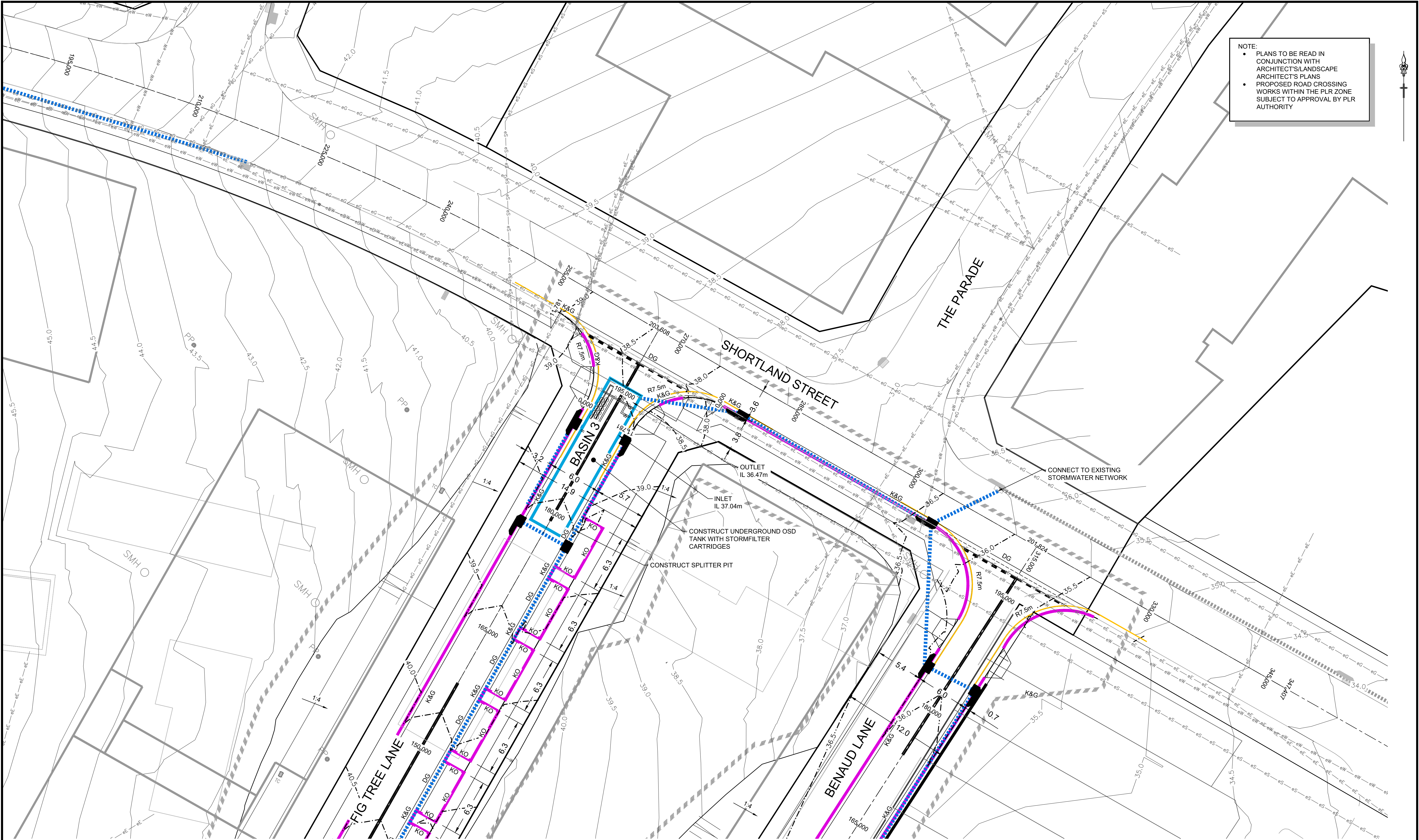
AZIMUTH: M.G.A.

DATUM: A.H.D.

ORIGIN: SSM 1112

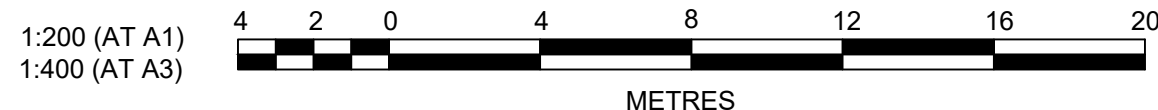
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3



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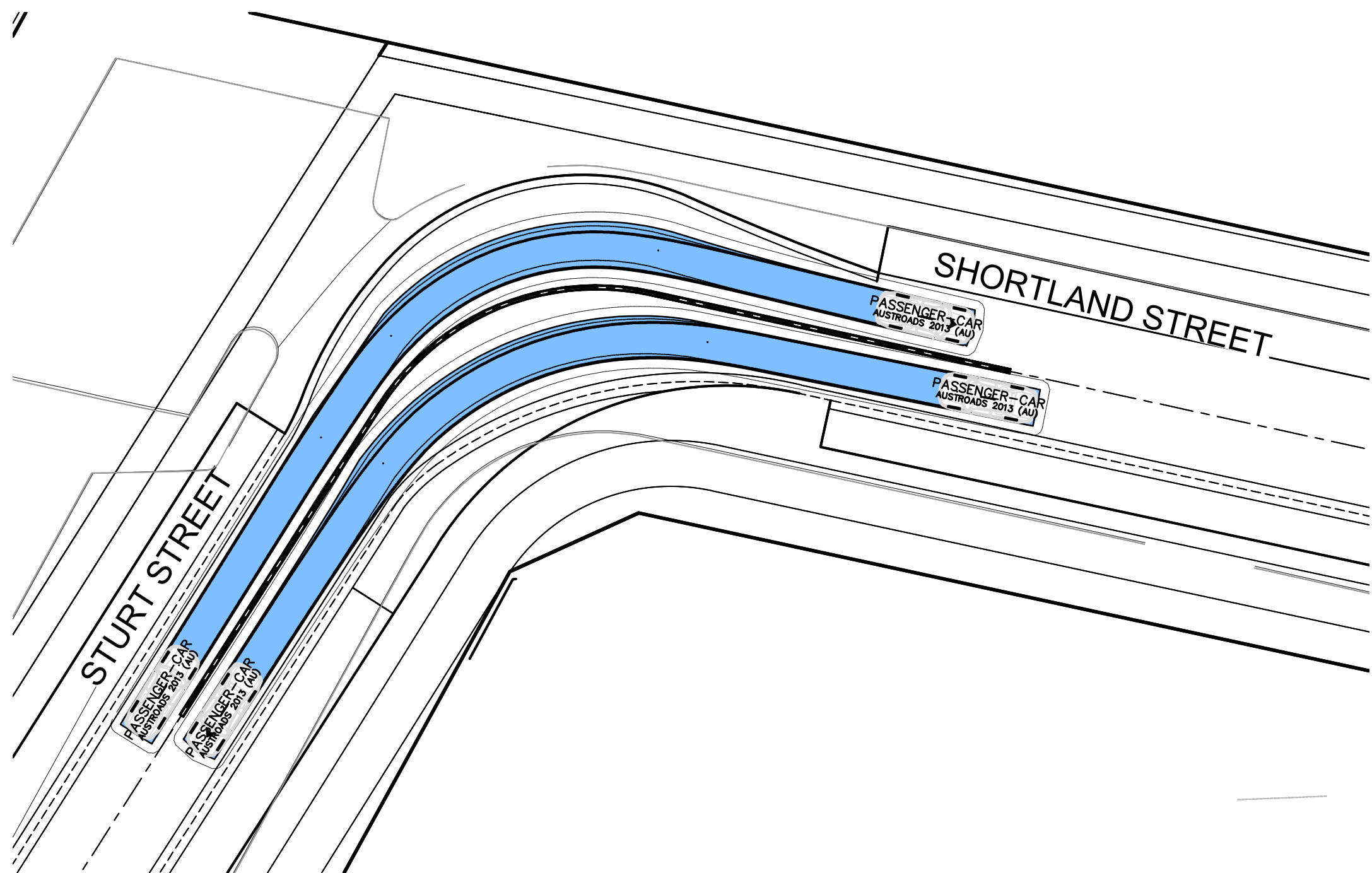
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4	GA	GA	MS	MS	29/09/22
3	GA	EJ	MS	DJ	08/03/22
2	GA	AS	MS	DJ	30/06/20
1	GA	JM	MS	DJ	01/06/20

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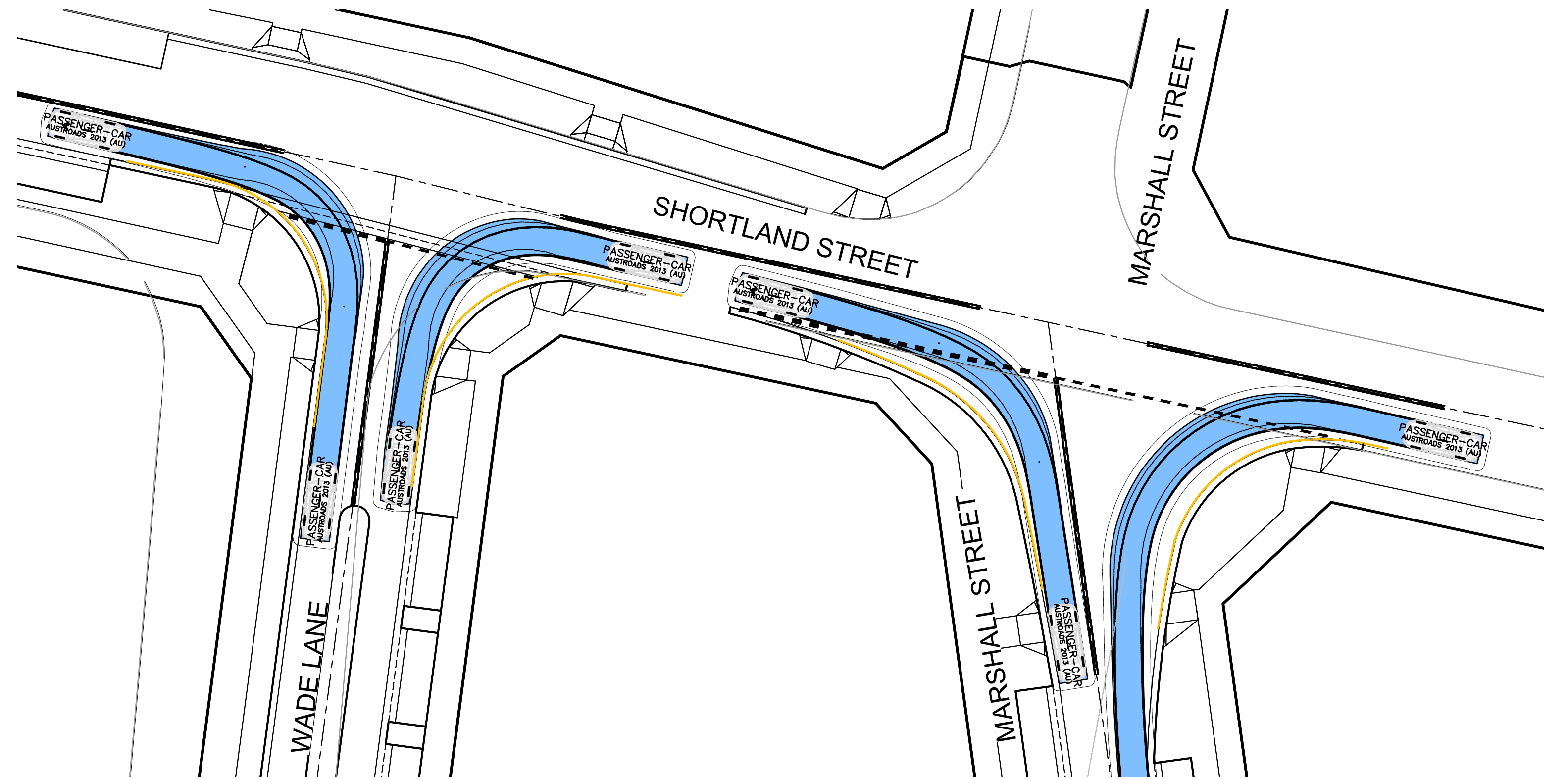
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TELOPEA URBAN RENEWAL PROJECT MASTERPLAN INTERSECTION PLAN SHEET 5				PROJECT No: 110500-04
				SHEET No: DA015
AZIMUTH: M.G.A.	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 110500-04-DA015	5



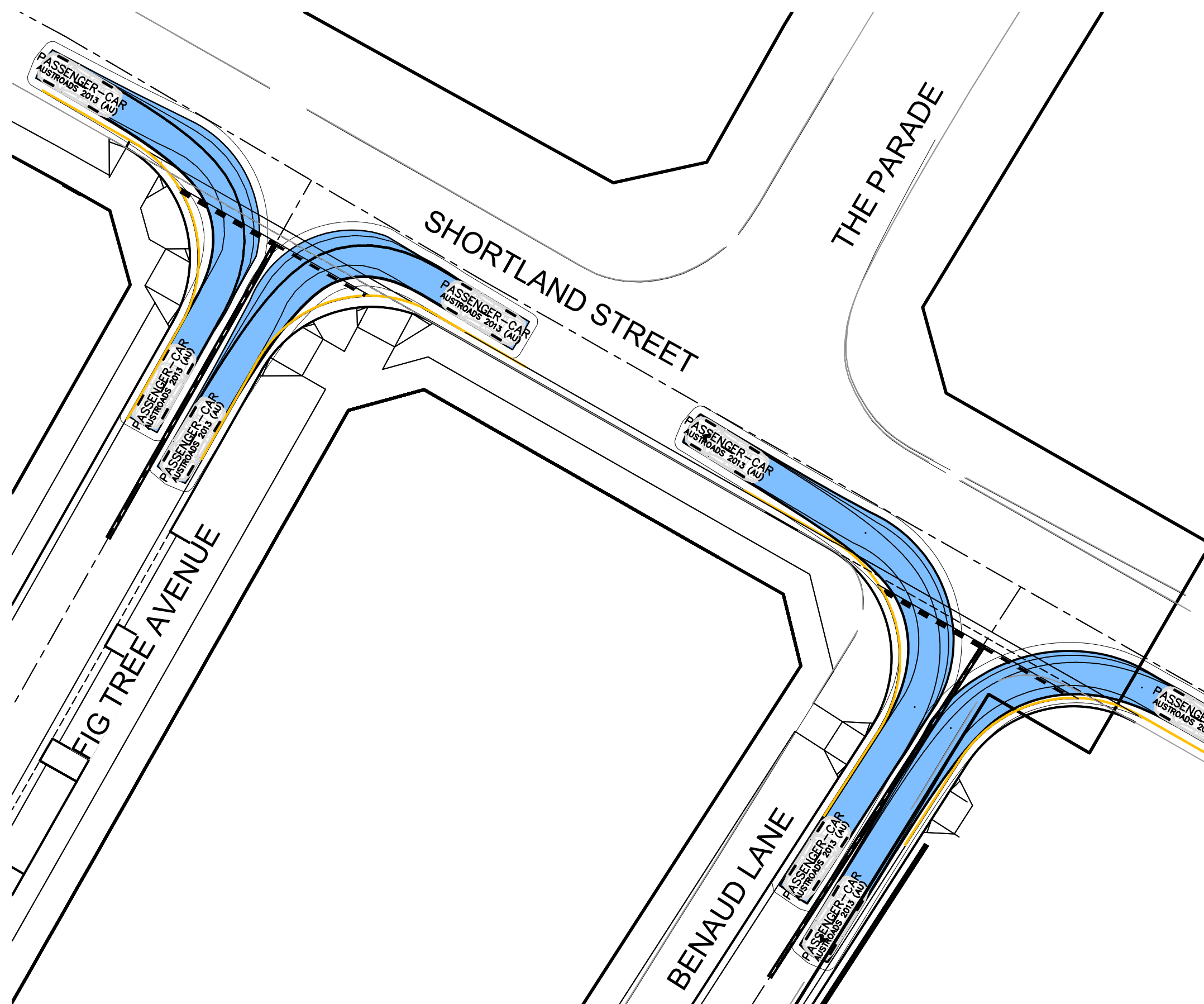
SCENARIO 1 & 2: PASSENGER CARS TRAVELLING SIMULTANEOUSLY
ALONG STURT STREET NORTH AND SHORTLAND STREET BEND

1:250 NAT



SCENARIO 3 & 4: PASSENGER CAR LEFT TURN OUT AND LEFT TURN IN AT SHORTLAND STREET AND WADE STREET INTERSECTION
SCENARIO 5 & 6: PASSENGER CAR LEFT TURN OUT AND LEFT TURN IN AT SHORTLAND STREET AND MARSHALL STREET INTERSECTION

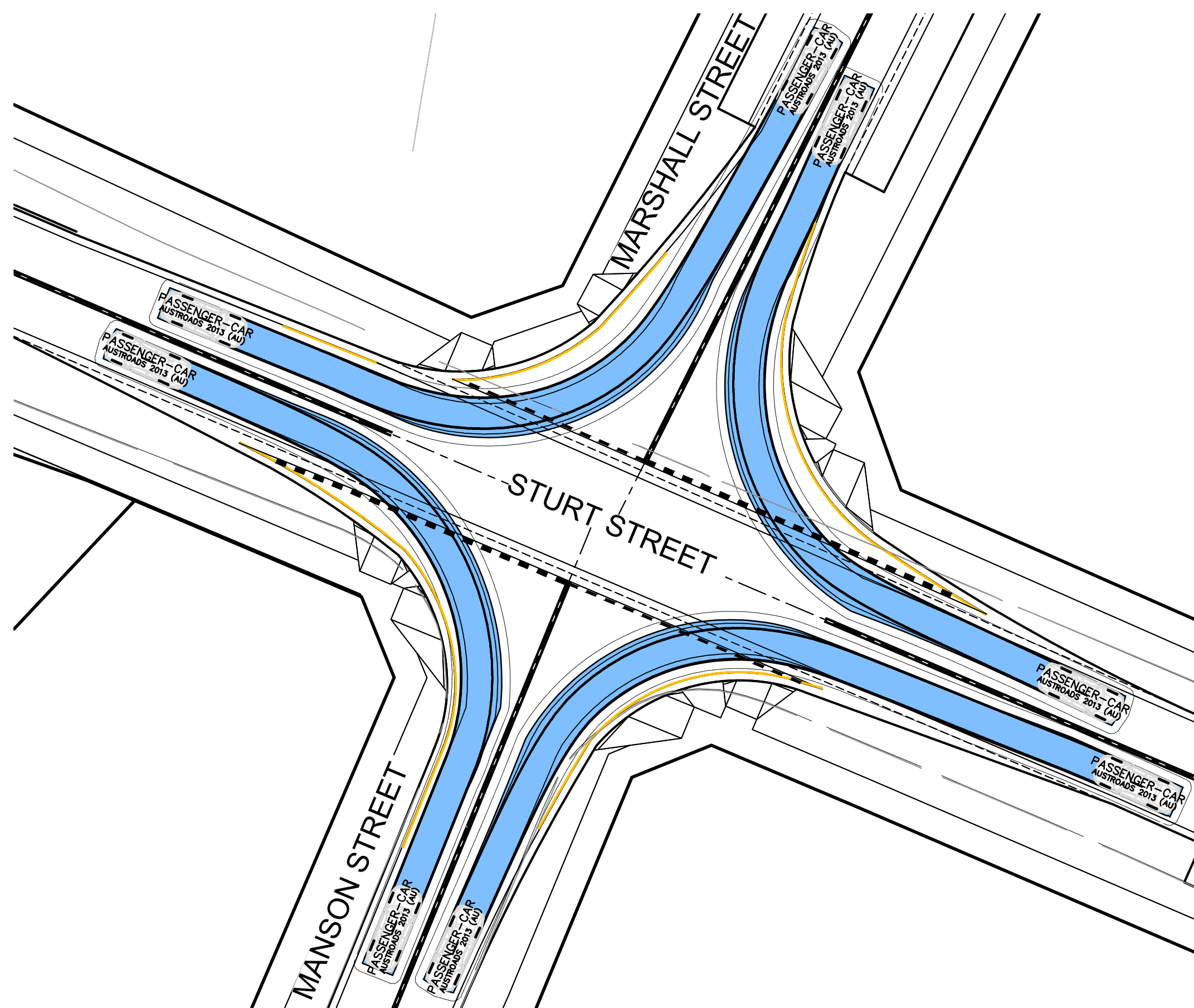
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SCENARIO 7 & 8: PASSENGER CAR LEFT TURN OUT AND LEFT TURN IN AT
SHORTLAND STREET AND FIG TREE AVENUE INTERSECTION

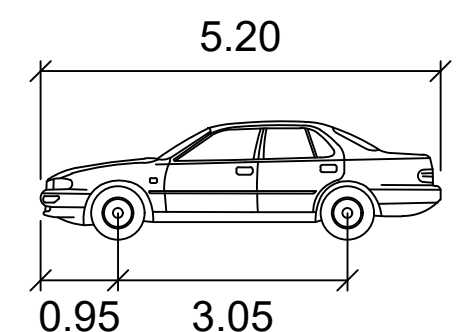
SCENARIO 9 & 10: PASSENGER CAR LEFT TURN OUT AND LEFT TURN IN AT
SHORTLAND STREET AND BENAUD LANE INTERSECTION

1:250 NAT



SCENARIO 11: PASSENGER CAR LEFT TURN FROM
MARSHALL STREET TO STURT STREET EAST
SCENARIO 12: PASSENGER CAR LEFT TURN FROM
MANSON STREET TO STURT STREET EAST
SCENARIO 13: PASSENGER CAR LEFT TURN FROM
STURT STREET EAST
TO MARSHALL STREET
SCENARIO 14: PASSENGER CAR LEFT TURN FROM
STURT STREET EAST
TO MANSON STREET

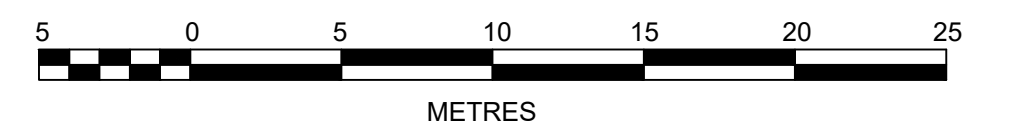
1:250 NAT



PASSENGER-CAR

	metres
Width	: 1.94
Track	: 1.84
Lock to Lock Time	: 6.0
Steering Angle	: 33.6

1:250 (AT A1)
1:500 (AT A3)



Plotted: 13 September, 2023 10:16:32 AM File Name: \\110500 - Telopea Urban Renewal\\CDDA\\Concept DA - Masterplan\\110500-04-DA017.dwg

5	MARSHALL ST/MANSON ST INTERSECTION UPDATED	GA	GA	MS	MS
4	COUNCIL COMMENTS	GA	EJ	MS	DJ
3	COUNCIL COMMENTS	GA	EJ	MS	DJ
2	MEWS ADDED	GA	NA	MS	DJ
1	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ
	AMENDMENT	DES	DRN	CKD	APR
					DATE

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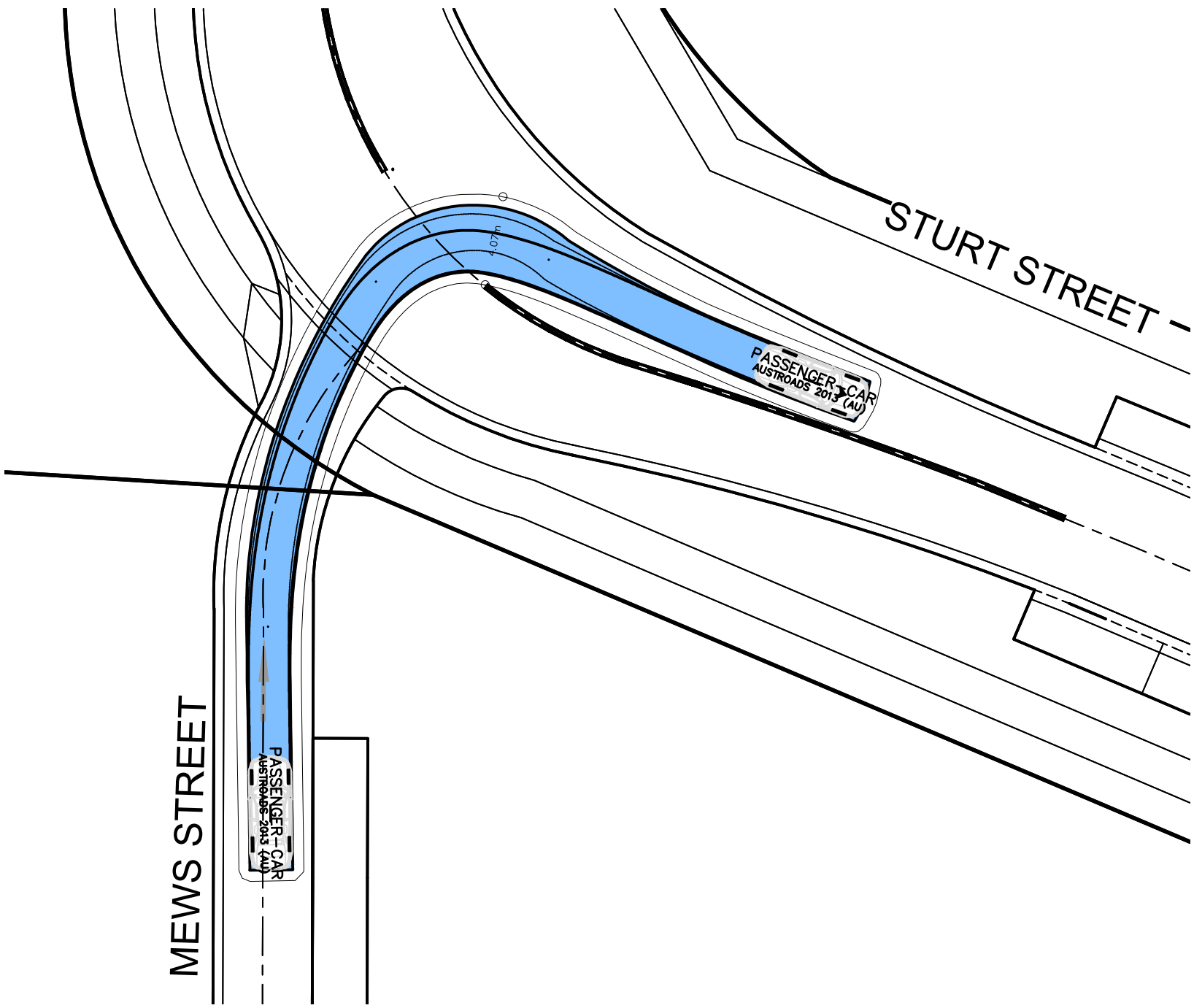
TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
TURNING PATHS
SHEET 1
AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 110500-04-DA017

PROJECT No:
110500-04
SHEET No:
DA017
5



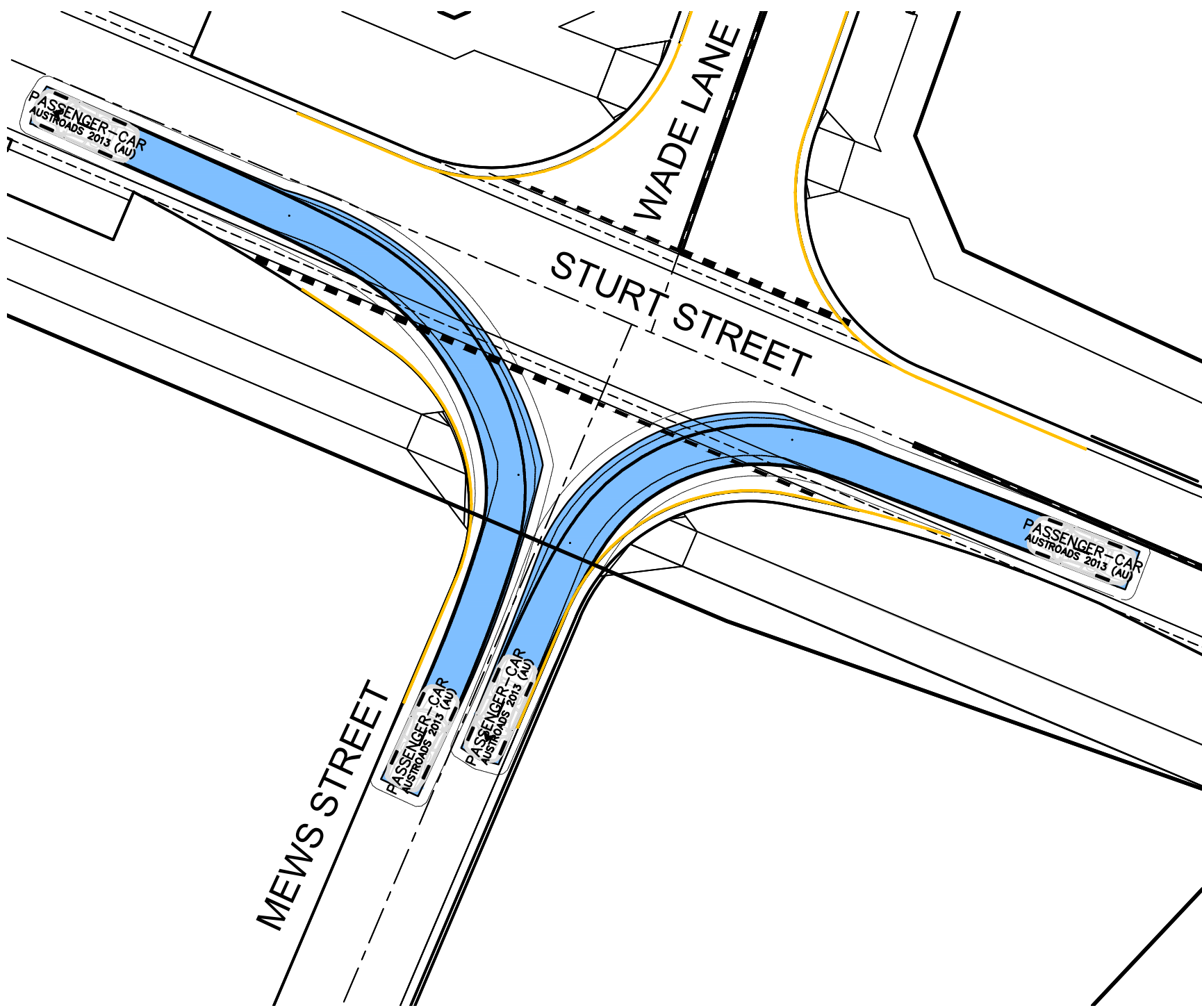
SCENARIO 15 & 16: PASSENGER CARS TRAVELLING SIMULTANEOUSLY
ALONG STURT STREET BEND

1:250 NAT



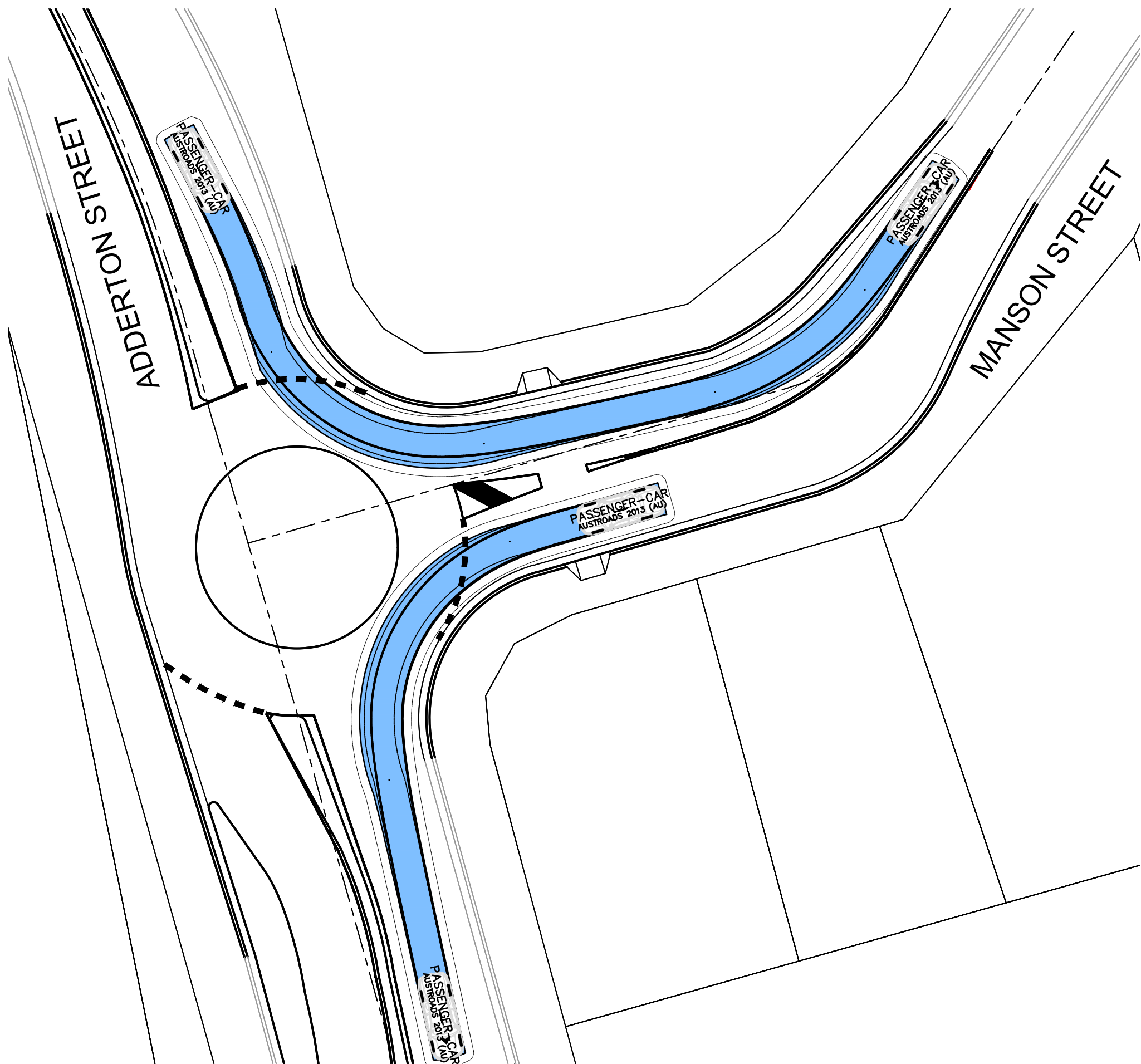
SCENARIO 17: PASSENGER CAR LEFT TURN OUT FROM MEWS STREET EXIT

1:250 NAT



SCENARIO 18 & 19: PASSENGER CAR LEFT TURN IN AND LEFT TURN OUT AT
MEWS STREET ENTRANCE

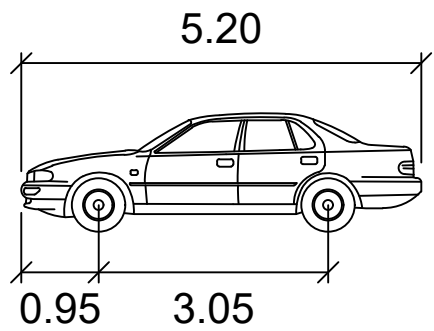
1:250 NAT



SCENARIO 20: PASSENGER CARS LEFT TURN OUT OF ADDERTON ROAD TO
MANSON STREET AT ROUNDABOUT

SCENARIO 21: PASSENGER CARS LEFT TURN OUT OF MANSON STREET TO
ADDERTON ROAD AT ROUNDABOUT

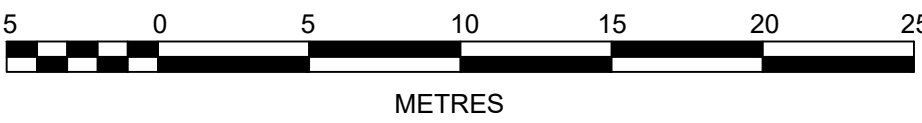
1:250 NAT



PASSENGER-CAR

	width	track	lock to lock time	steering angle
width	1.94	1.84	6.0	33.6
track				
lock to lock time				
steering angle				

1:250 (AT A1)
1:500 (AT A3)



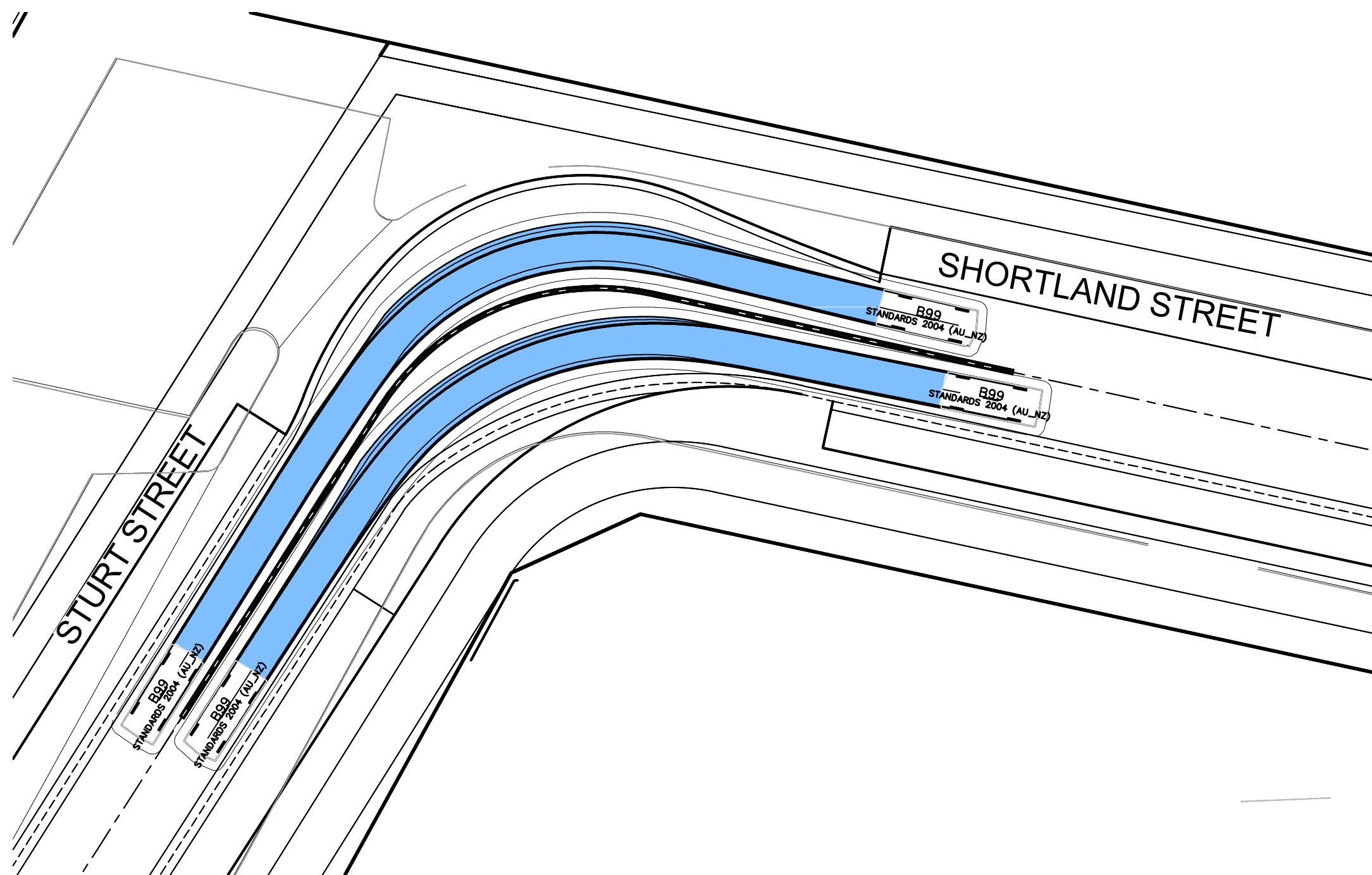
NO.	REVISION	DATE	BY	CHKD	APPD	DATE
6	ADDERTON ST/ STURT STREET TURNING PATHS UPDATED	13/09/23	GA	GA	MS	MS
5	STURT STREET INTERSECTION UPDATED	22/03/23	KE	GA	MS	MS
4	NEW LINK ROAD UPDATED	08/11/22	GA	EJ	MS	MS
3	COUNCIL COMMENTS	08/03/22	GA	EJ	MS	DJ
2	COUNCIL COMMENTS	23/02/22	GA	EJ	MS	MS
1	ADDITIONAL TURNING PATHS ADDED	16/04/21	GA	GA	MS	DJ
	AMENDMENT		DES	DRN	CKD	APR

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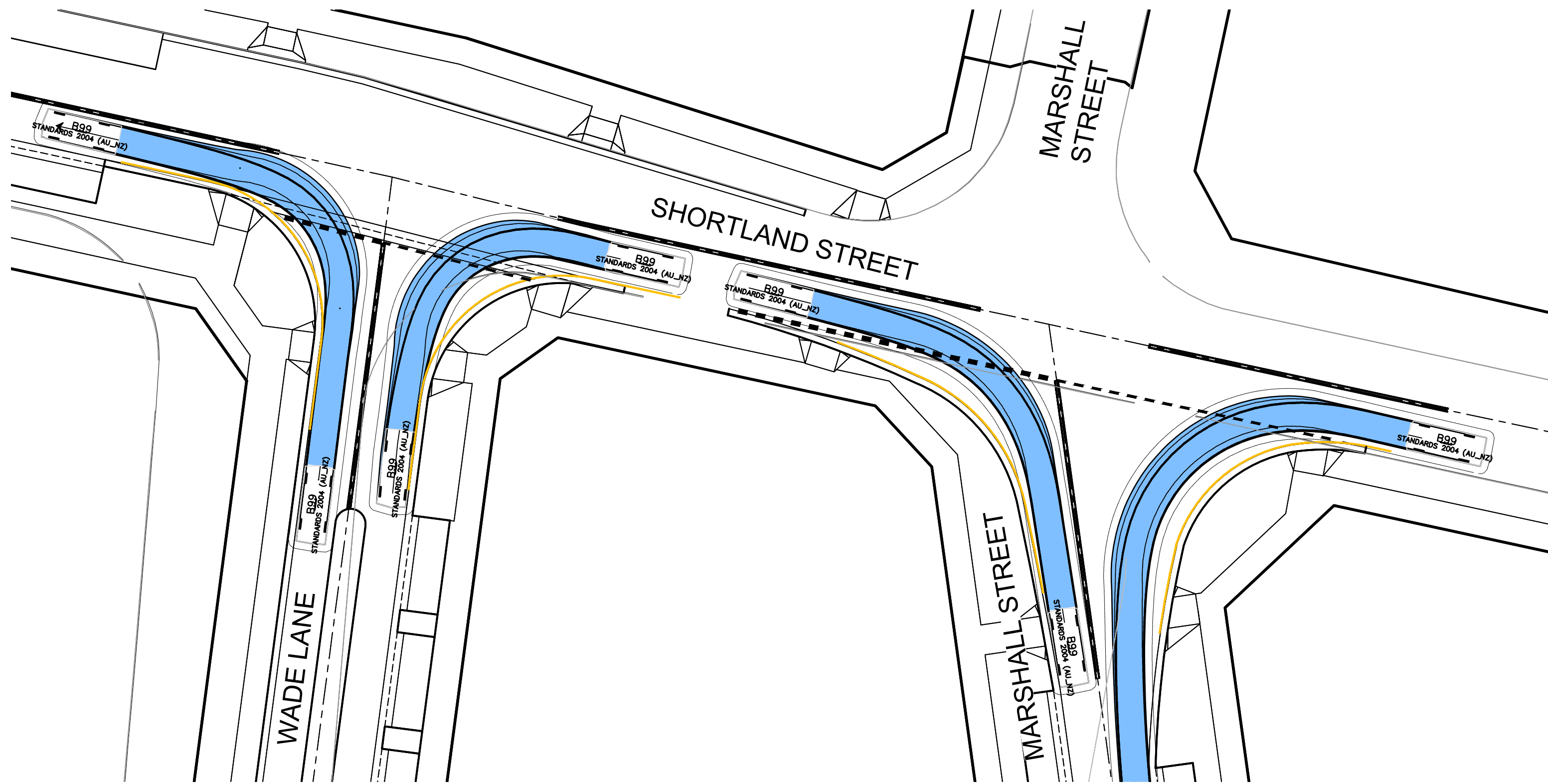
STATUS:
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TELOPEA URBAN RENEWAL PROJECT MASTERPLAN TURNING PATHS SHEET 2				PROJECT No: 110500-04
				SHEET No: DA018
AZIMUTH: M.G.A.	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 110500-04-DA018	7



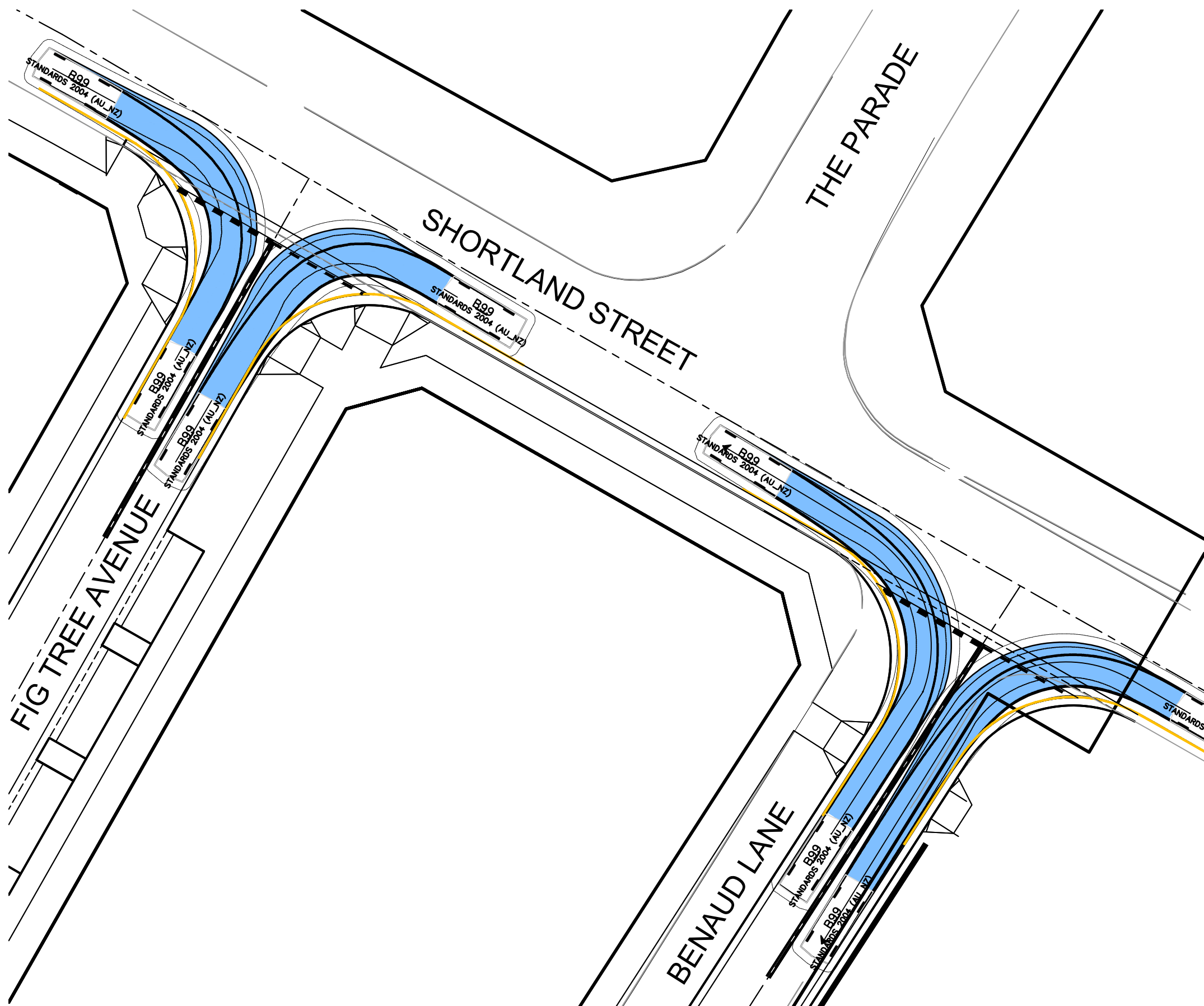
SCENARIO 22 & 23: B99 VEHICLE TRAVELLING SIMULTANEOUSLY
ALONG STURT STREET NORTH AND SHORTLAND STREET BEND

1:250 NAT



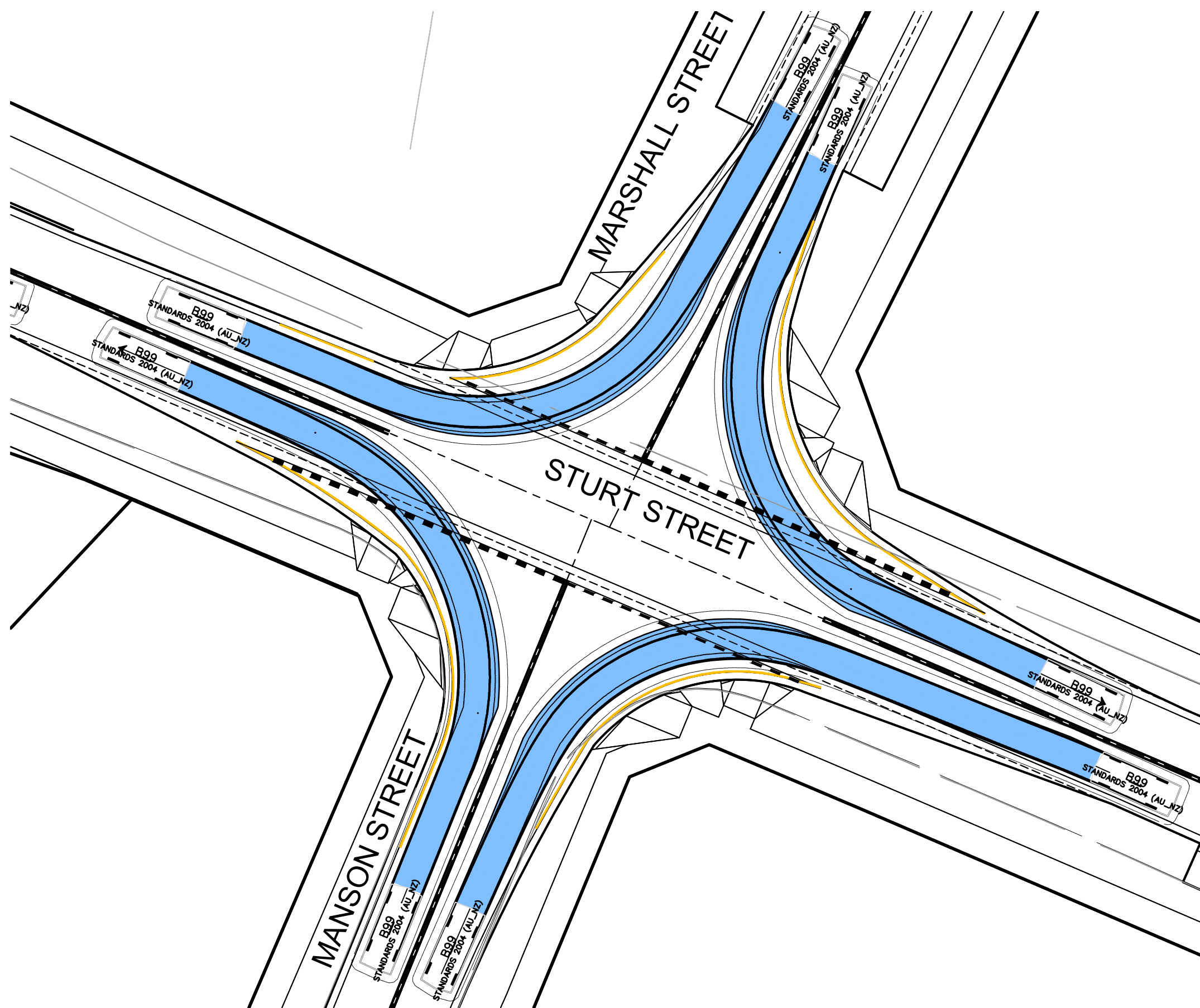
SCENARIO 24 & 25: B99 VEHICLE LEFT TURN OUT AND LEFT TURN IN AT SHORTLAND STREET AND WADE STREET INTERSECTION
SCENARIO 26 & 27: B99 VEHICLE LEFT TURN OUT AND LEFT TURN IN AT SHORTLAND STREET AND MARSHALL STREET INTERSECTION

1:250 NAT



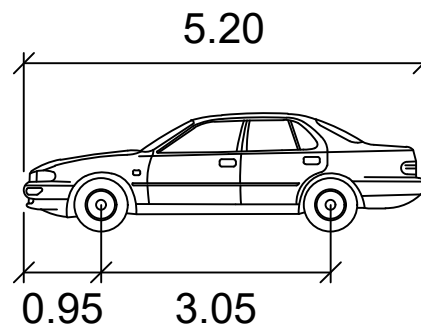
SCENARIO 28 & 29: B99 VEHICLE LEFT TURN OUT AND LEFT TURN IN AT
SHORTLAND STREET AND FIG TREE AVENUE INTERSECTION
SCENARIO 30 & 31: B99 VEHICLE LEFT TURN OUT AND LEFT TURN IN AT
SHORTLAND STREET AND BENAUD LANE INTERSECTION

1:250 NAT



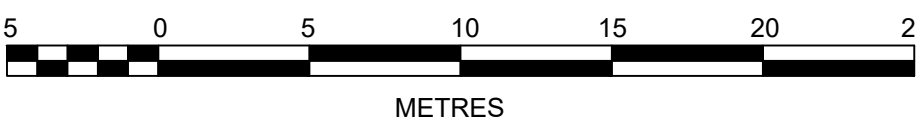
SCENARIO 32: B99 VEHICLE LEFT TURN FROM
MARSHALL STREET TO STURT STREET EAST
SCENARIO 33: B99 VEHICLE LEFT TURN FROM
MANSON STREET TO STURT STREET EAST
SCENARIO 34: B99 VEHICLE LEFT TURN FROM
STURT STREET EAST
TO MARSHALL STREET
SCENARIO 35: B99 VEHICLE LEFT TURN FROM
STURT STREET EAST
TO MANSON STREET

1:250 NAT



B99		5.20
		0.95 3.05
		metres
Width	:	1.94
Track	:	1.84
Lock to Lock Time	:	6.0
Steering Angle	:	33.9

1:250 (AT A1)
1:500 (AT A3)



Plotted: 13 September, 2023 10:38:37 AM File Name: L1110500 - Telopea Urban RenewalICDDA Concept DA - Masterplan110500-04-DA019.dwg

3	STURT STREET TURNING PATHS UPDATED	GA	GA	MS	MS	13/09/23
2	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
1	ADDITIONAL TURNING PATHS ADDED	GA	EJ	MS	MS	23/02/22
	AMENDMENT	DES	DRN	CKD	APR	DATE

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
TURNING PATHS
SHEET 3

PROJECT No:

110500-04

SHEET No:

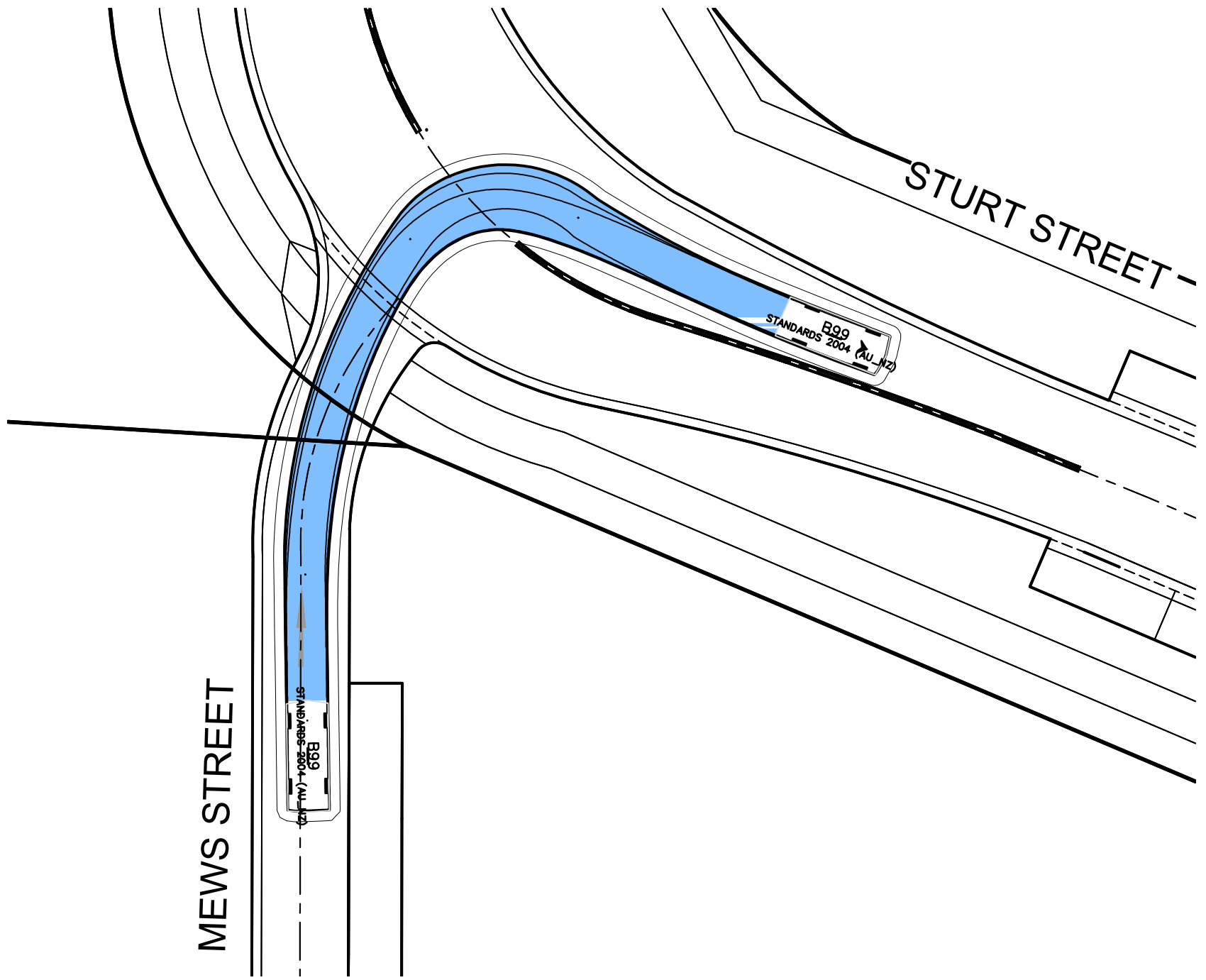
DA019

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 110500-04-DA019



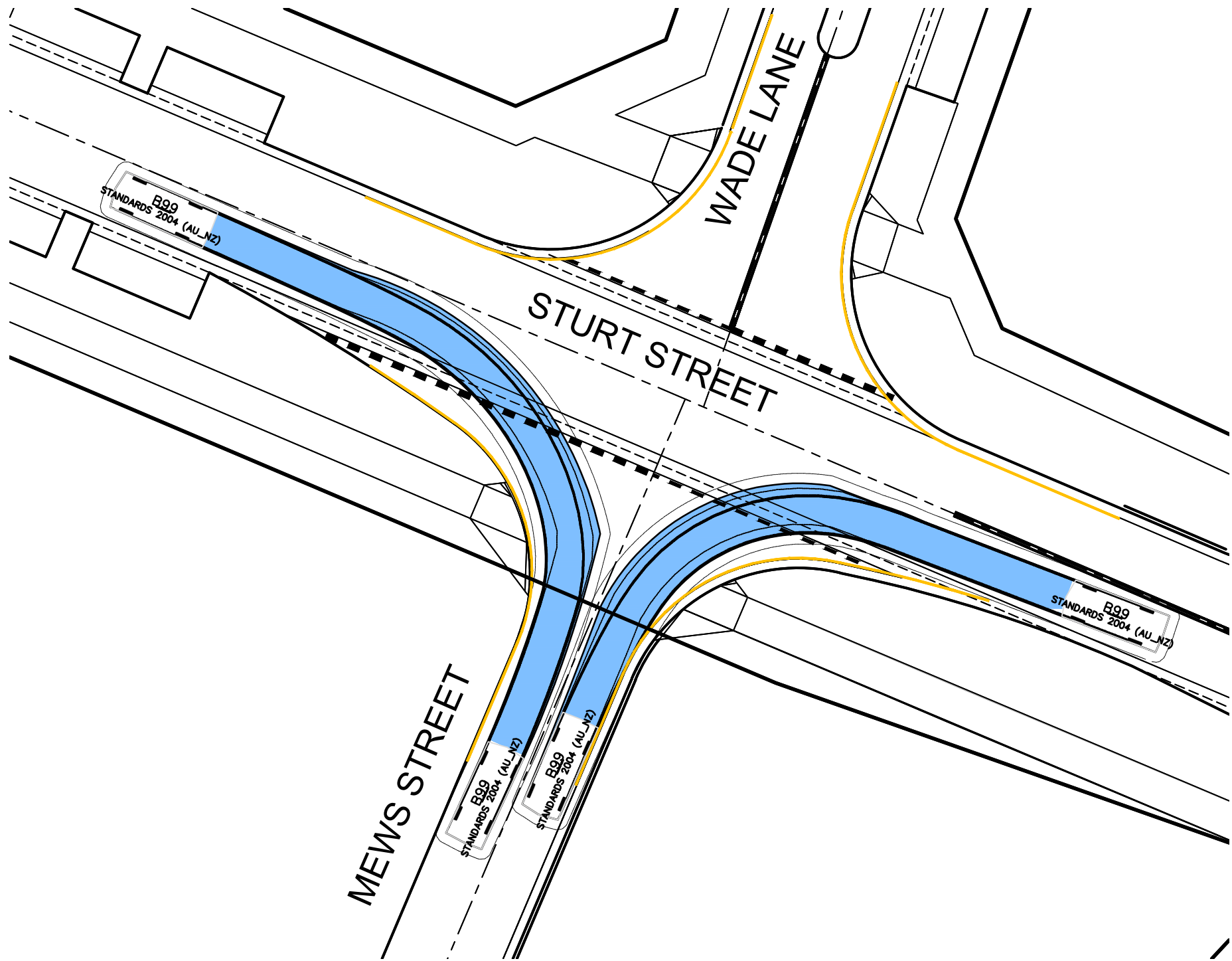
SCENARIO 36 & 37: B99 VEHICLES TRAVELLING SIMULTANEOUSLY AT STURT STREET BEND

1:250 NAT



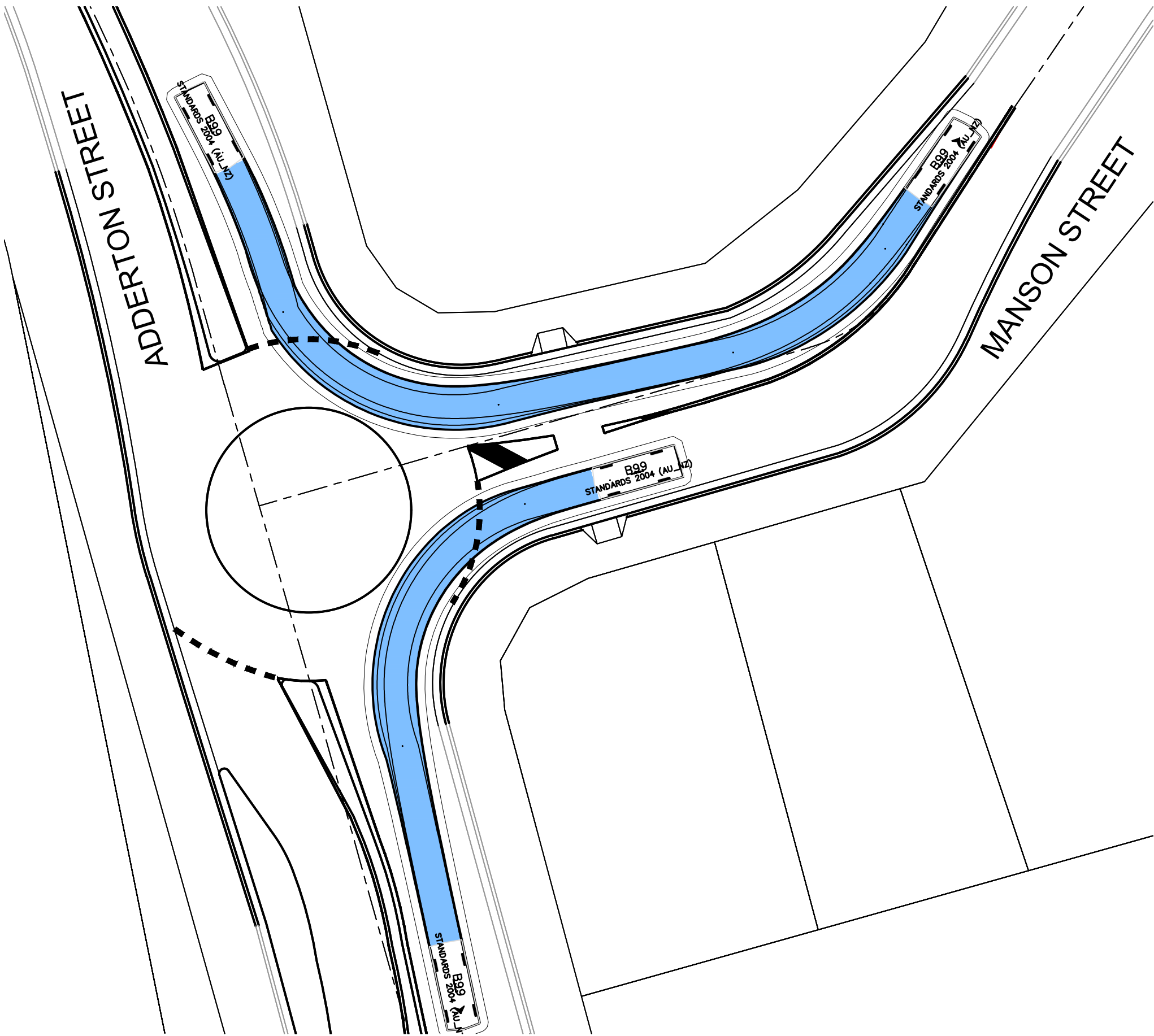
SCENARIO 38: B99 VEHICLE LEFT TURN OUT FROM MEWS STREET EXIT

1:250 NAT



SCENARIO 39 & 40: B99 VEHICLE LEFT TURN IN AND LEFT TURN OUT AT MEWS STREET ENTRANCE

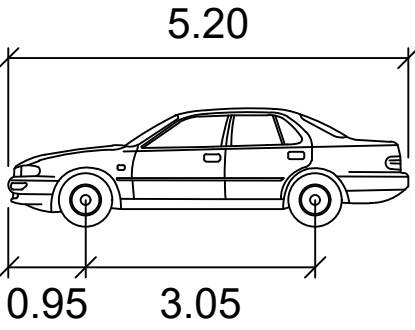
1:250 NAT



SCENARIO 41: B99 VEHICLES LEFT TURN OUT OF ADDERTON ROAD TO MANSON STREET AT ROUNDABOUT

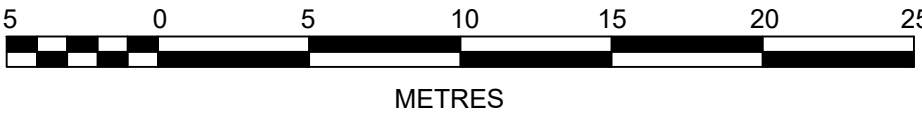
SCENARIO 42: B99 VEHICLES LEFT TURN OUT OF MANSON STREET TO ADDERTON ROAD AT ROUNDABOUT

1:250 NAT



B99		metres
Width	:	1.94
Track	:	1.84
Lock to Lock Time	:	6.0
Steering Angle	:	33.9

1:250 (AT A1)
1:500 (AT A3)



NO	REVISION	DATE	BY	CHKD	APPD
5	ADDERTON ST/ STURT STREET TURNING PATHS UPDATED	13/09/23	GA	GA	MS
4	STURT STREET INTERSECTION UPDATED	22/03/23	KE	GA	MS
3	NEW LINK ROAD UPDATED	08/11/22	GA	EJ	MS
2	COUNCIL COMMENTS	08/03/22	GA	EJ	MS
1	ADDITIONAL TURNING PATHS ADDED	23/02/22	GA	EJ	MS
AMENDMENT		DATE	DES	DRN	CKD

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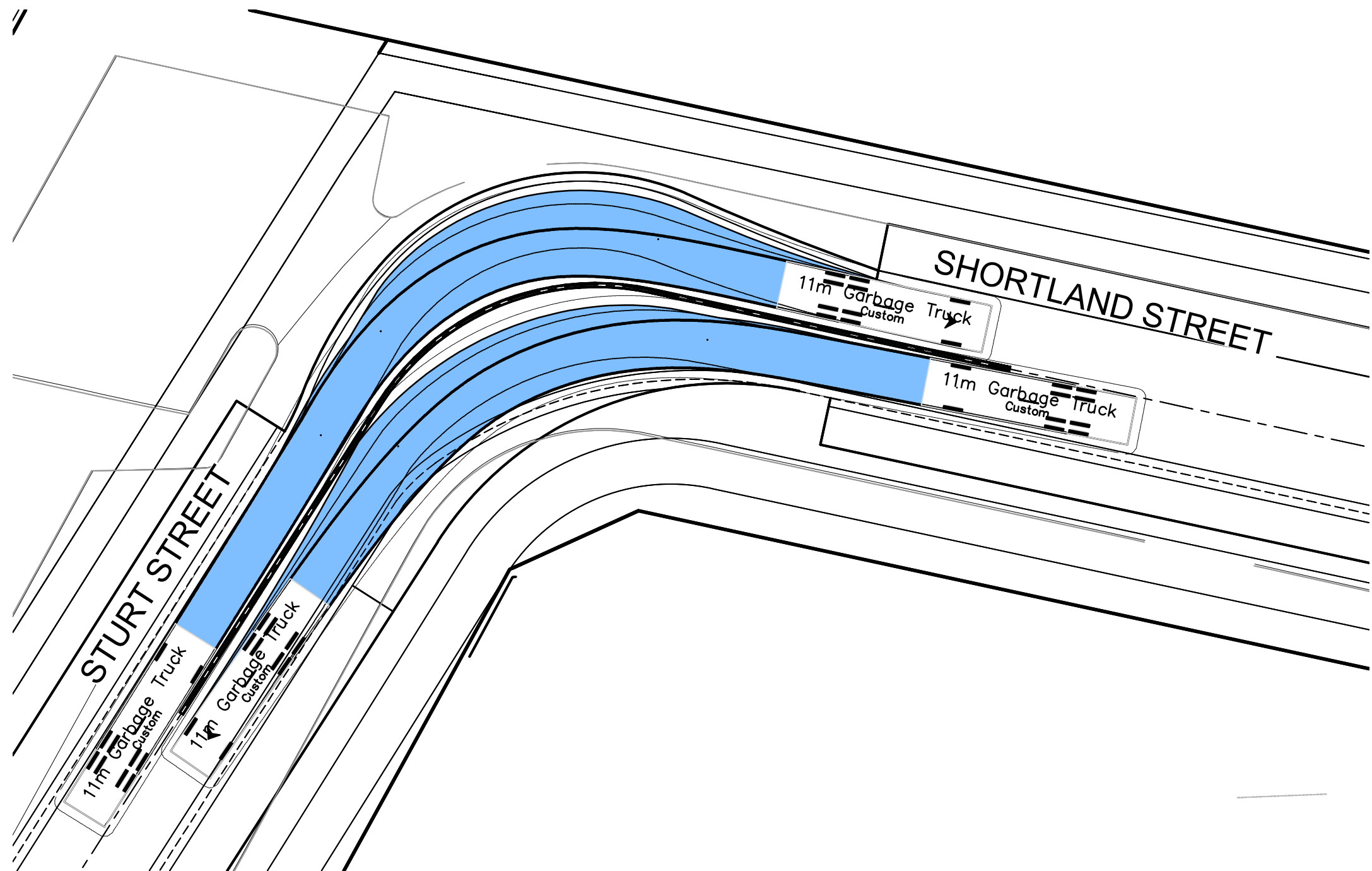
TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
TURNING PATHS
SHEET 4

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 110500-04-DA020

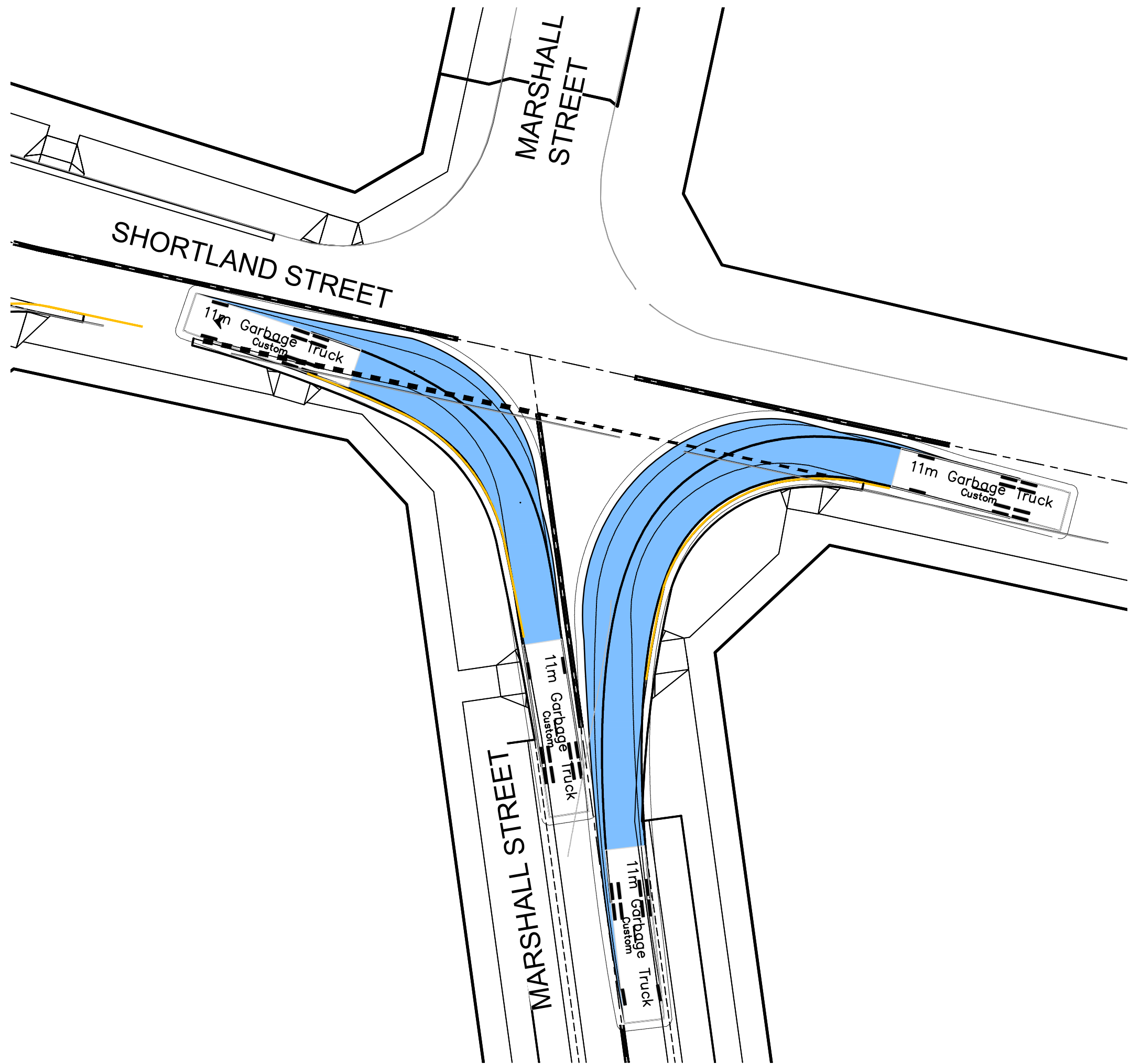
PROJECT No:
110500-04

SHEET No:
DA020

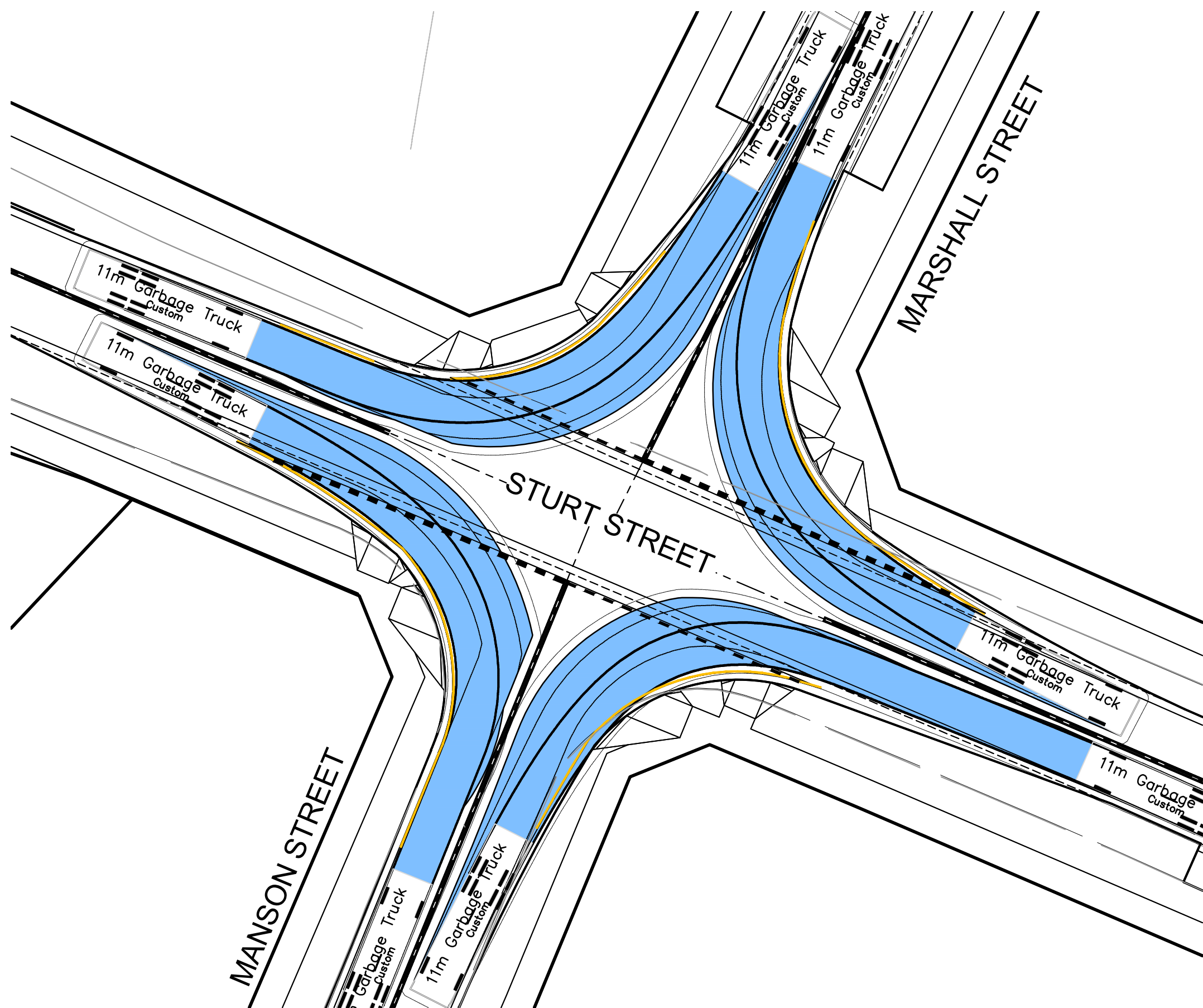
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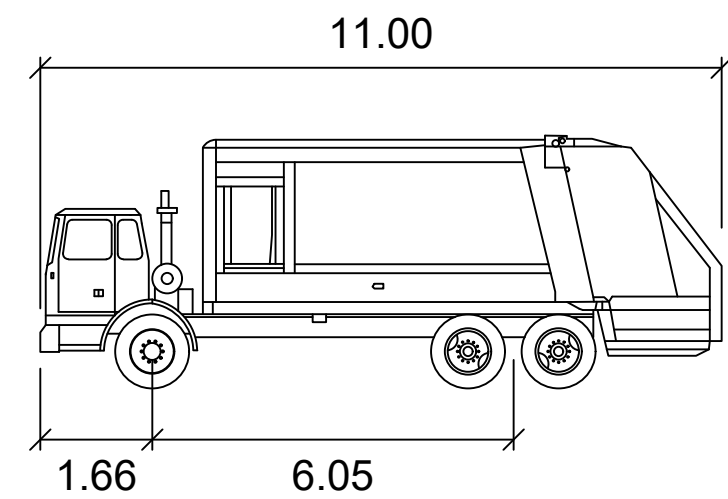
SCENARIO 43 & 44: 11m GARBAGE TRUCK TRAVELLING SIMULTANEOUSLY ALONG STURT STREET NORTH AND SHORTLAND STREET BEND
1:250 NAT



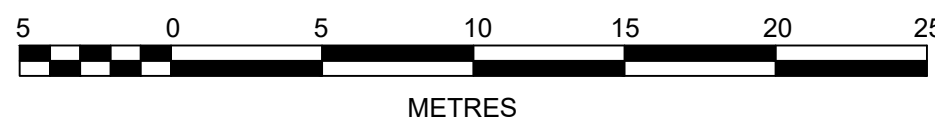
SCENARIO 45 & 46: 11m GARBAGE TRUCK LEFT TURN OUT AND LEFT TURN IN AT SHORTLAND STREET AND MARSHALL STREET INTERSECTION
1:250 NAT



SCENARIO 47: 11m GARBAGE TRUCK LEFT TURN FROM MARSHALL STREET TO STURT STREET EAST
SCENARIO 48: 11m GARBAGE TRUCK LEFT TURN FROM MANSON STREET TO STURT STREET EAST
SCENARIO 49: 11m GARBAGE TRUCK LEFT TURN FROM STURT STREET EAST TO MARSHALL STREET
SCENARIO 50: 11m GARBAGE TRUCK LEFT TURN FROM STURT STREET EAST TO MANSON STREET
1:250 NAT



11m Garbage Truck	
	meters
Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 36.6



Plotted: 13 September, 2023 10:17:55 AM File Name: \1110500 - Telopea Urban Renewal\CD\DA\Concept DA - Masterplan\110500-04-DA021.dwg

3	MARSHALL ST/MANSON ST INTERSECTION UPDATED	GA	GA	MS	MS	13/09/23
2	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
1	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
	AMENDMENT	DES	DRN	CKD	APR	DATE

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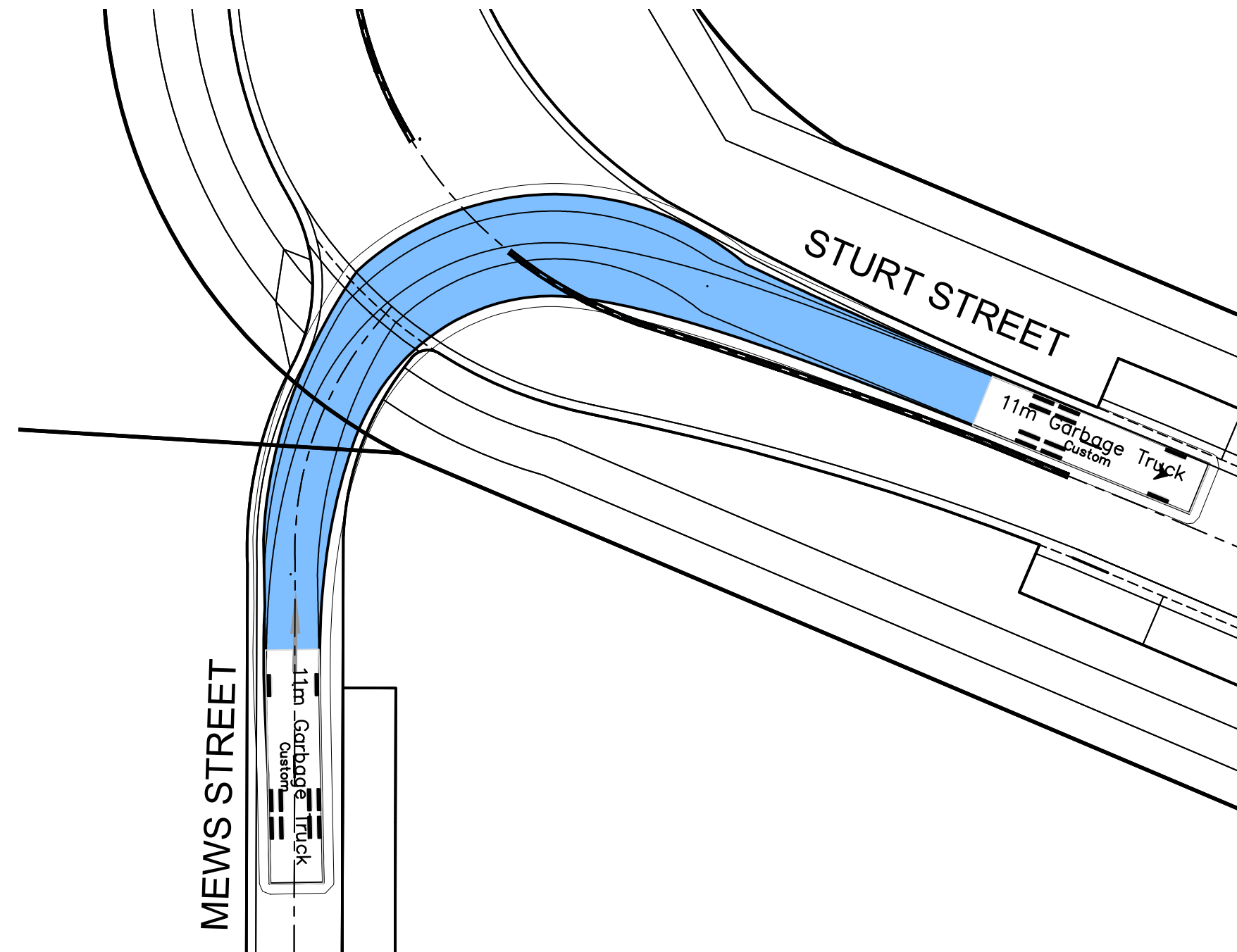
TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
TURNING PATHS
SHEET 5

PROJECT No:
110500-04
SHEET No:
DA021

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 110500-04-DA021

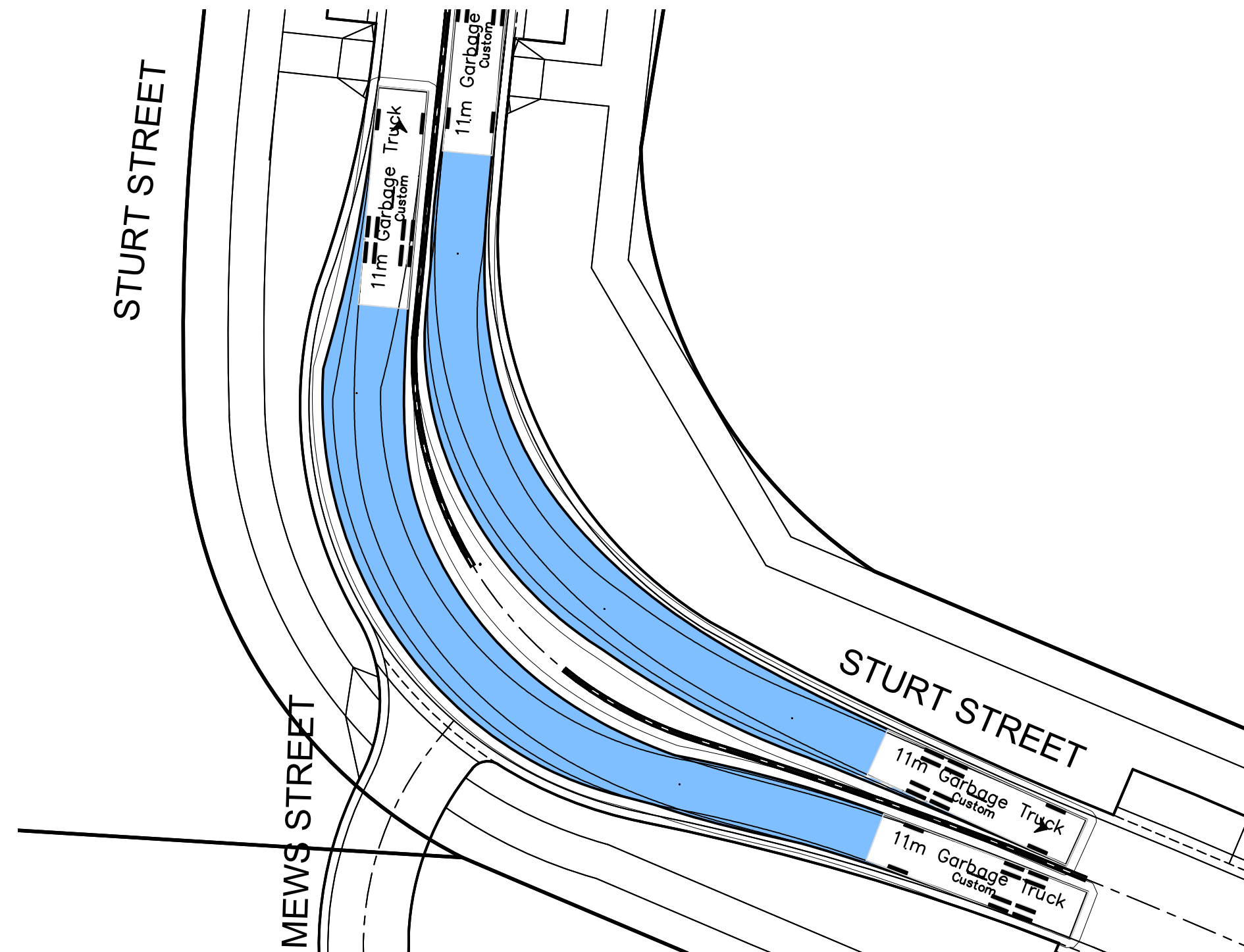
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Plotted: 13 September, 2023 10:18:09 AM File Name: L1110500 - Telopea Urban Renewal\CD\DA\Concept DA - Masterplan\110500-04-DA022.dwg



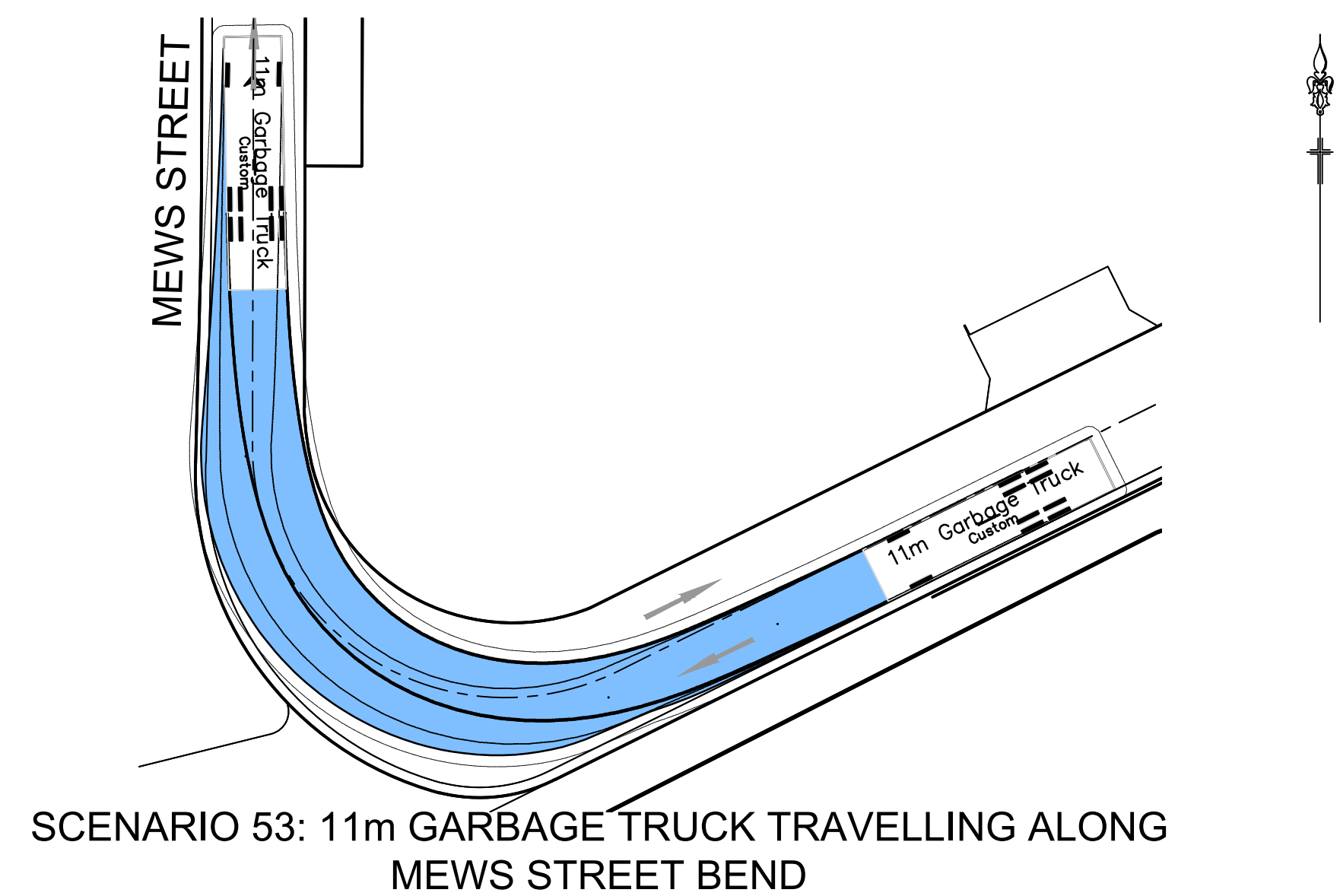
SCENARIO 50: 11m GARBAGE TRUCK LEFT TURN OUT FROM MEWS STREET EXIT

1:250 NAT



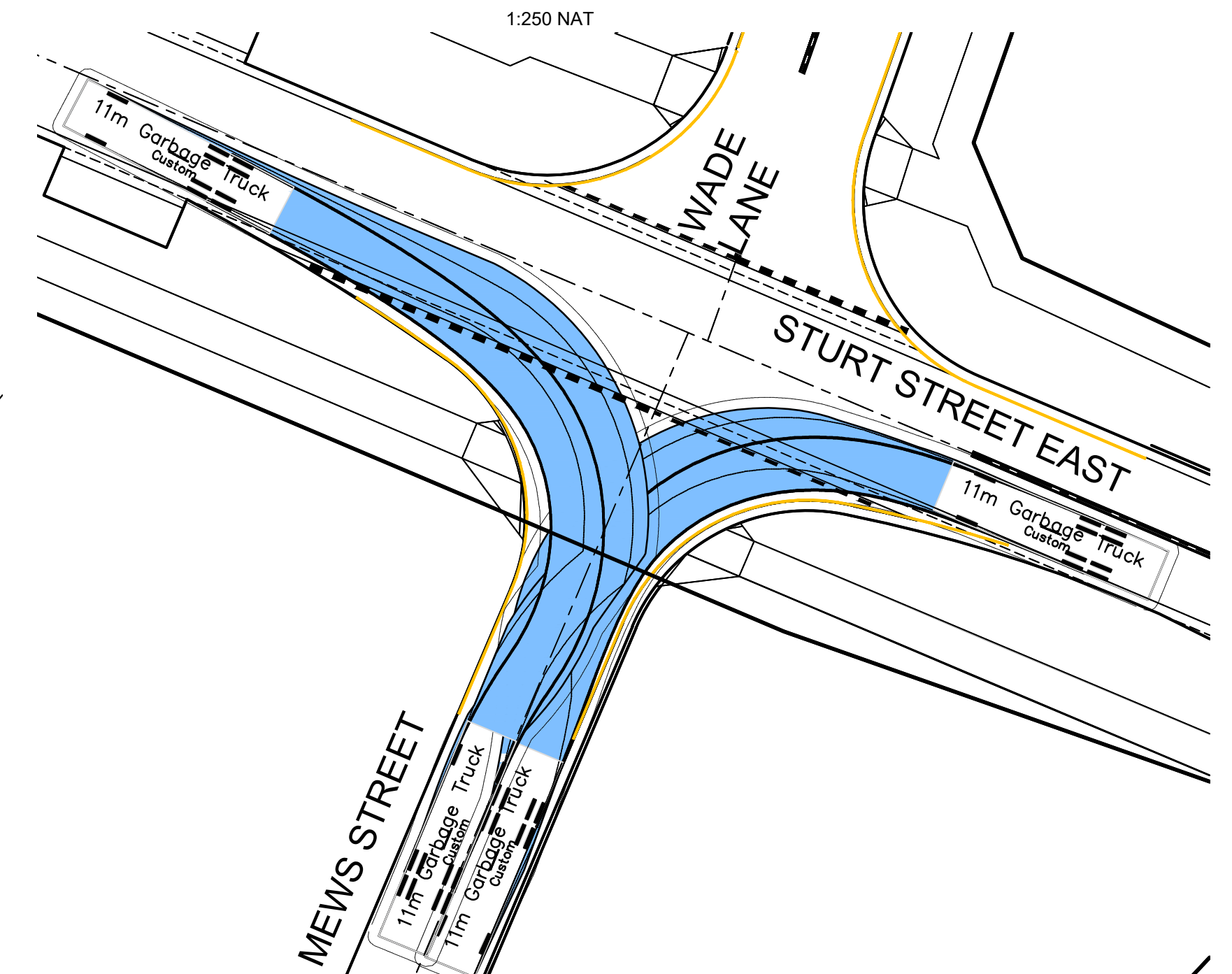
SCENARIO 51 & 52: 11m GARBAGE TRUCKS TRAVELLING SIMULTANEOUSLY AT STURT STREET BEND

1:250 NAT



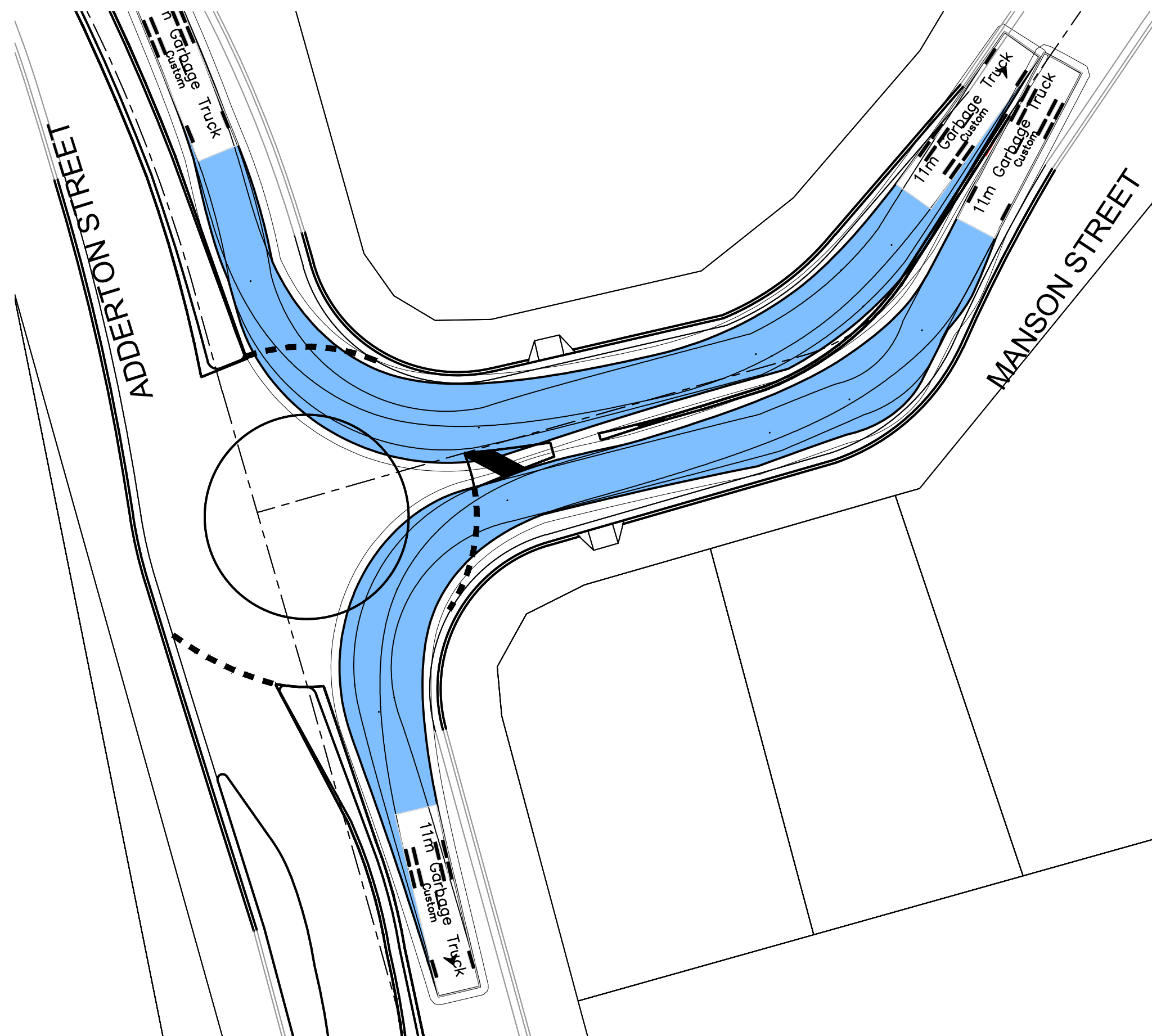
SCENARIO 53: 11m GARBAGE TRUCK TRAVELLING ALONG MEWS STREET BEND

1:250 NAT



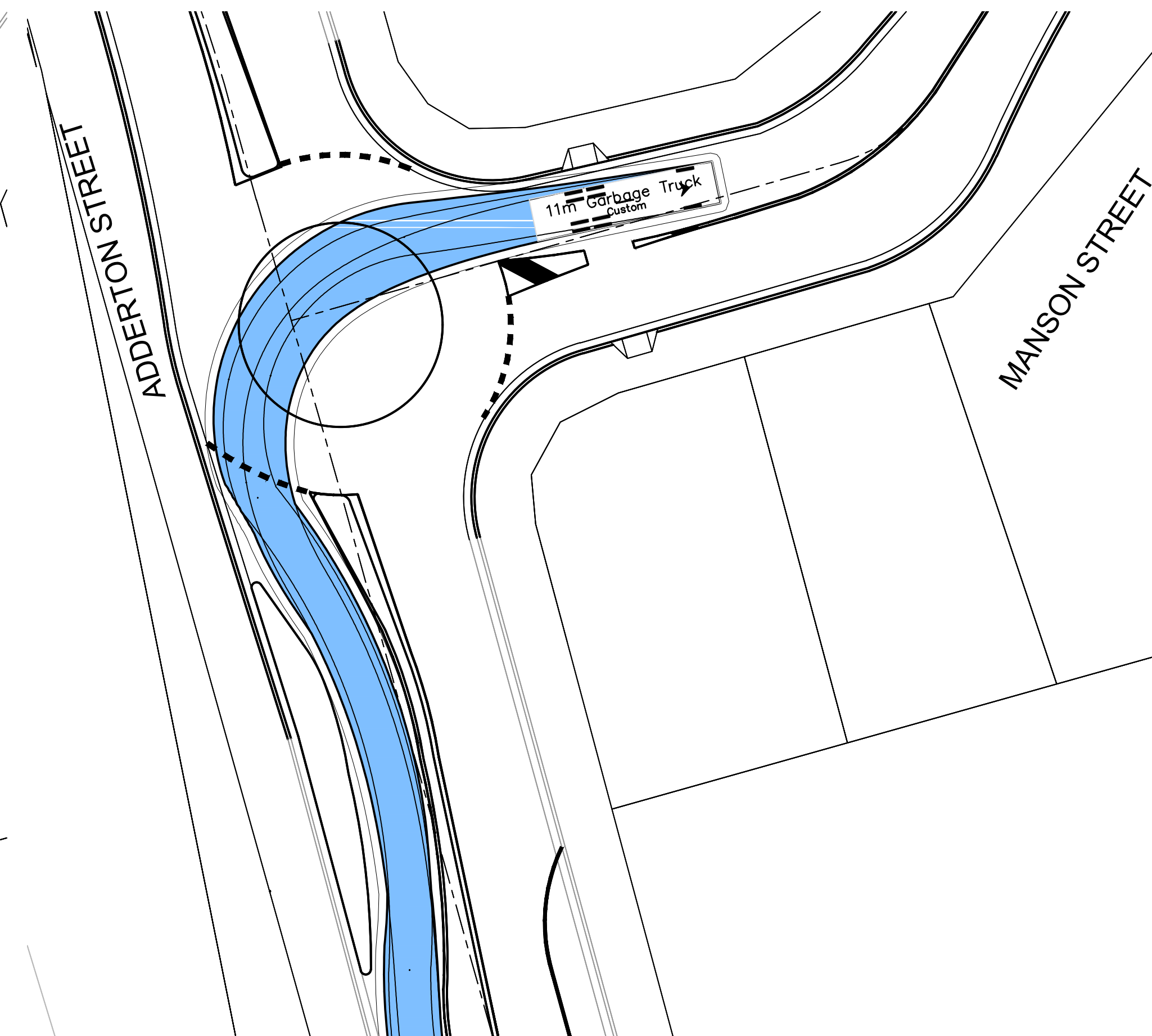
SCENARIO 57: 11m GARBAGE TRUCK LEFT TURN IN AND LEFT TURN OUT AT MEWS STREET ENTRANCE

1:250 NAT



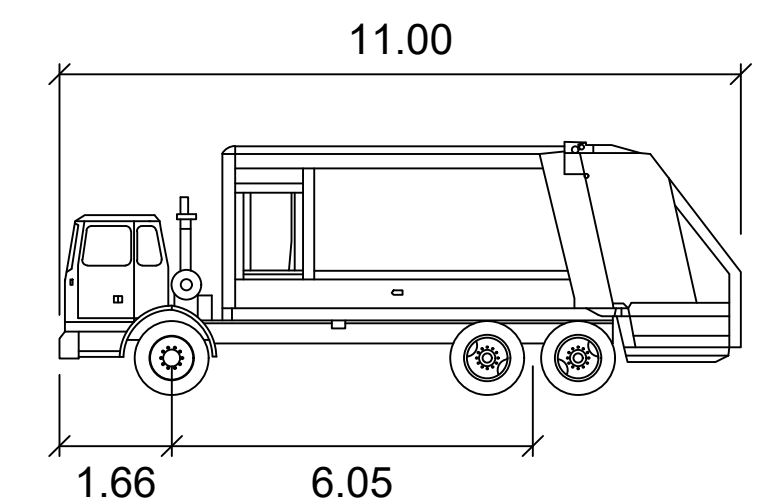
SCENARIO 54 & 55: 11m GARBAGE TRUCKS LEFT TURN INTO MANSON STREET FROM ADDERTON ROAD & LEFT TURN INTO ADDERTON ROAD FROM MANSON STREET AT ROUNDABOUT

1:250 NAT



SCENARIO 56: 11m GARBAGE TRUCK RIGHT TURN FROM ADDERTON ROAD TO MANSON STREET AT ROUNDABOUT

1:250 NAT

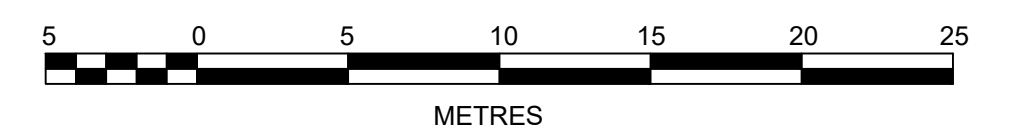


DESIGN VEHICLE 11m Garbage Truck

meters

Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 36.6

1:250 (AT A1)
1:500 (AT A3)



NO	REVISION	DATE	BY	CHECKED	APPROVED
4	ADDERTON ST/ STURT STREET TURNING PATHS UPDATED	13/09/23	GA	GA	MS
3	STURT STREET INTERSECTION UPDATED	22/03/23	KE	GA	MS
2	NEW LINK ROAD UPDATED	08/11/22	GA	EJ	MS
1	COUNCIL COMMENTS	08/03/22	GA	EJ	MS
AMENDMENT		DATE	DES	DRN	CKD

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
TURNING PATHS
SHEET 6

PROJECT No:

110500-04

SHEET No:

DA022

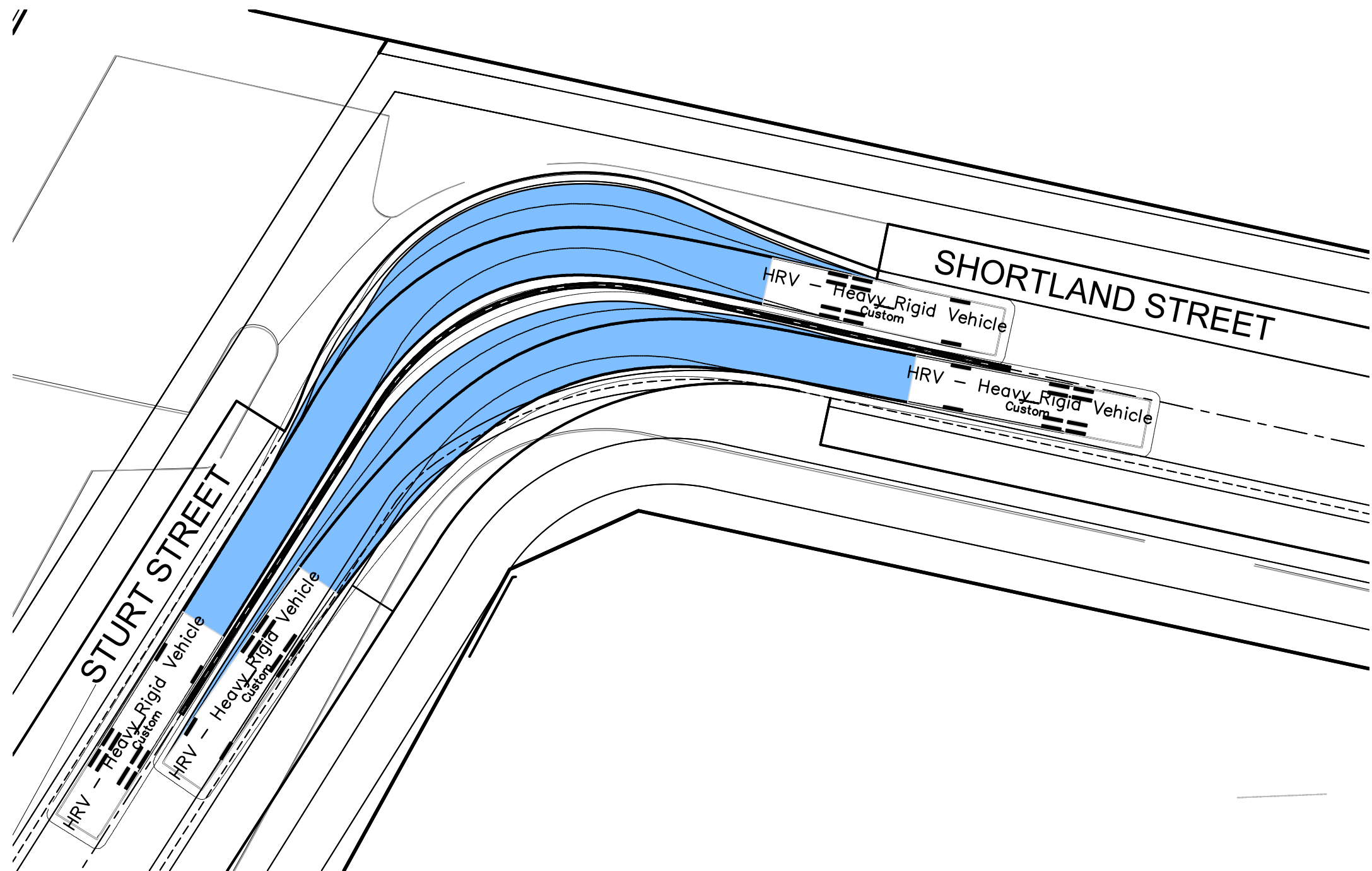
AZIMUTH: M.G.A.

DATUM: A.H.D.

ORIGIN: SSM 1112

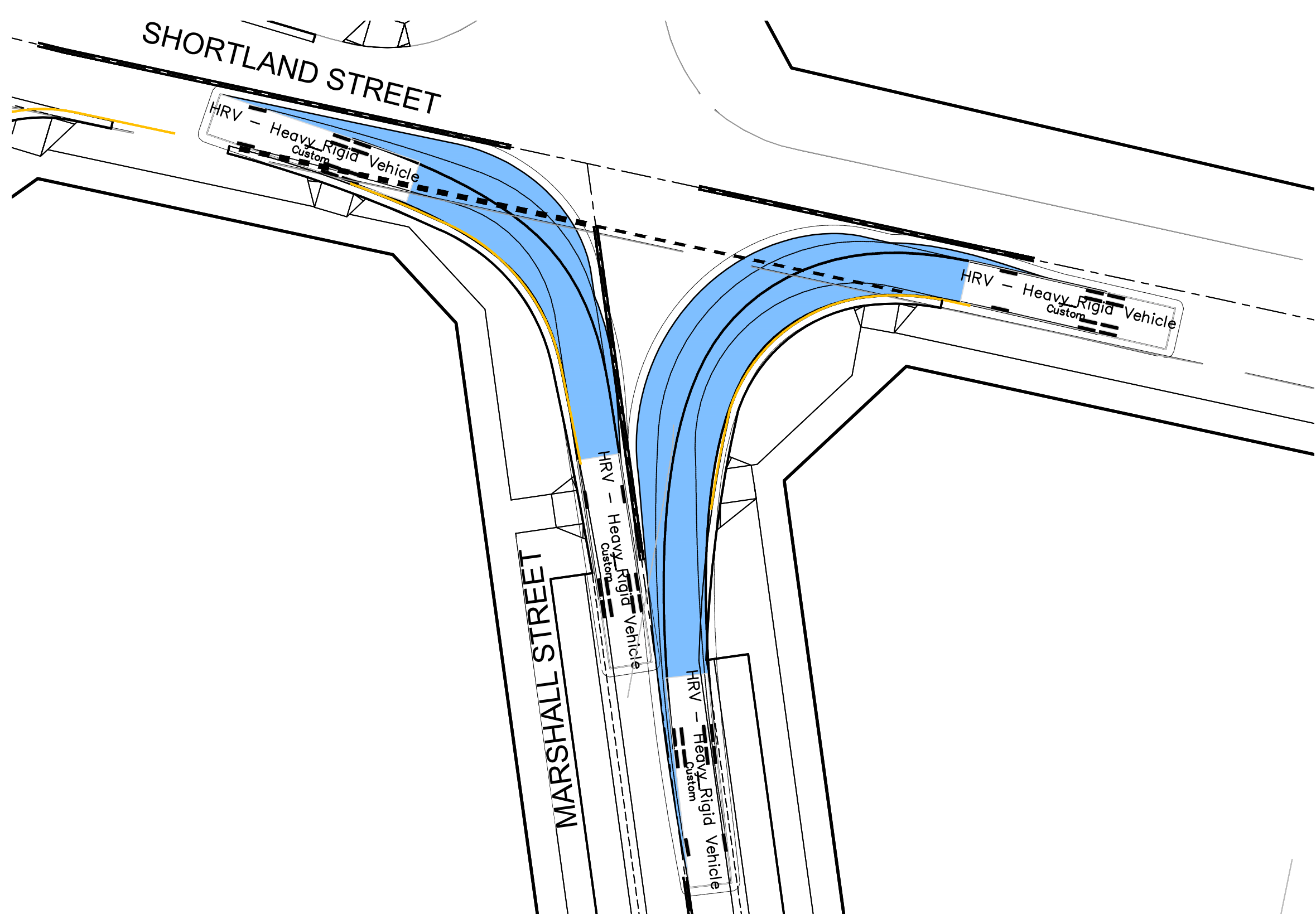
PLAN No: 110500-04-DA022

4



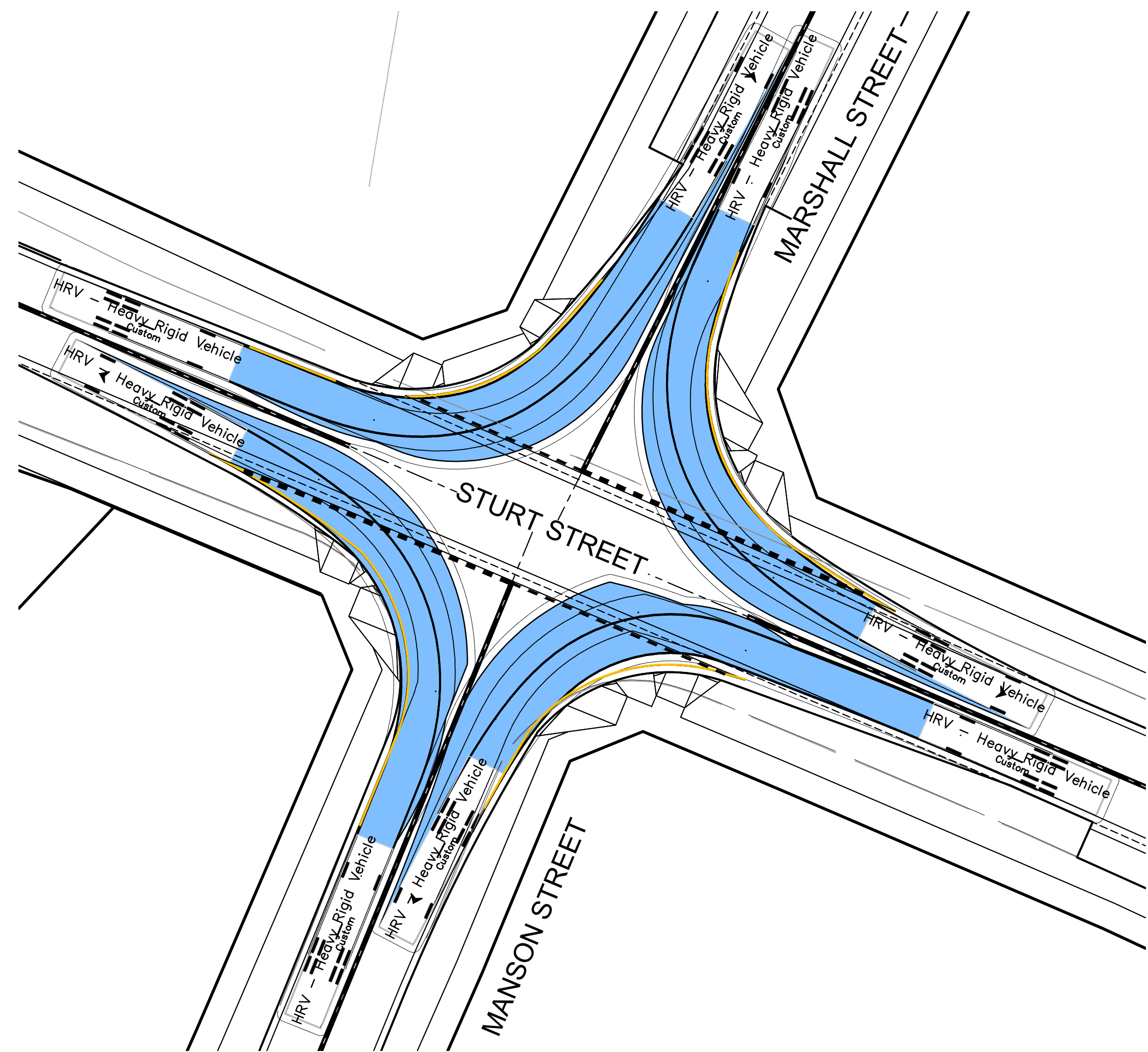
SCENARIO 58 & 59: HEAVY RIGID VEHICLES TRAVELLING
SIMULTANEOUSLY ALONG STURT STREET NORTH AND SHORTLAND
STREET BEND

1:250 NAT



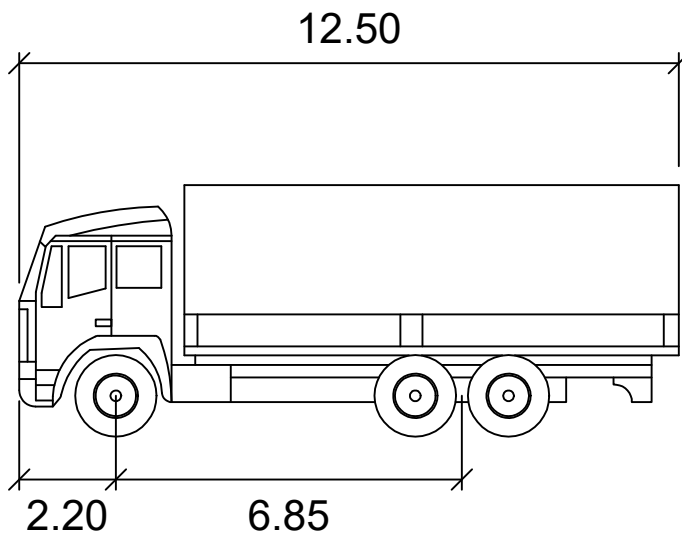
SCENARIO 60 & 61: HEAVY RIGID VEHICLE LEFT TURN OUT AND LEFT TURN IN AT SHORTLAND STREET
AND MARSHALL STREET INTERSECTION

1:250 NAT



SCENARIO 62: HEAVY RIGID VEHICLE LEFT TURN FROM MARSHALL STREET TO STURT STREET EAST
SCENARIO 63: HEAVY RIGID VEHICLE LEFT TURN FROM MANSON STREET TO STURT STREET EAST
SCENARIO 64: HEAVY RIGID VEHICLE LEFT TURN FROM STURT STREET EAST TO MARSHALL STREET
SCENARIO 65: HEAVY RIGID VEHICLE LEFT TURN FROM STURT STREET EAST TO MANSON STREET

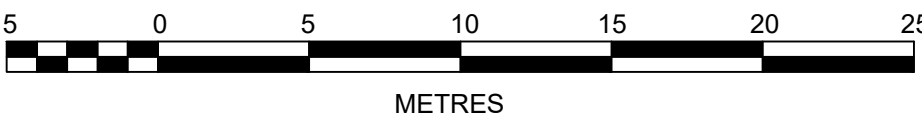
1:250 NAT



HEAVY RIGID VEHICLE

	metres
Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 31.1

CHECK
VEHICLE



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2	MARSHALL ST/MANSON ST INTERSECTION UPDATED	GA	GA	MS	MS	13/09/23
1	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
	AMENDMENT	DES	DRN	CKD	APR	DATE

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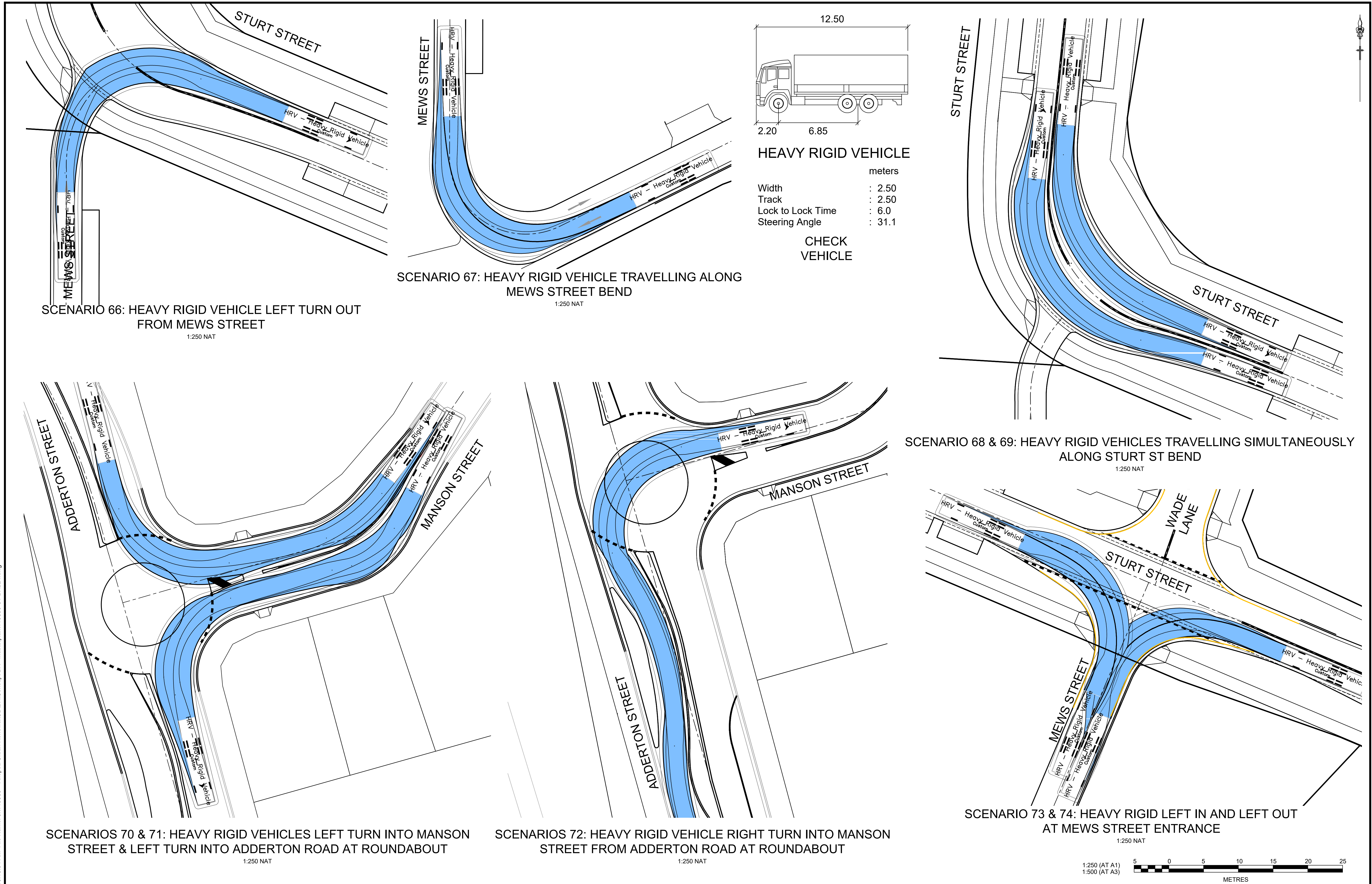
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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
TURNING PATHS
SHEET 7
AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 110500-04-DA023

PROJECT No:
110500-04
SHEET No:
DA023

2

Plotted: 13 September, 2023 10:18:34 AM File Name: L1110500 - Telopea Urban Renewal\CD\DA\Concept DA - Masterplan\110500-04-DA024.dwg



NO.	AMENDMENT	DES	DRN	CKD	APR	DATE
4	ADDERTON ST/ STURT STREET TURNING PATHS UPDATED	GA	GA	MS	MS	13/09/23
3	STURT STREET INTERSECTION UPDATED	KE	GA	MS	MS	22/03/23
2	NEW LINK ROAD UPDATED	GA	EJ	MS	MS	08/11/22
1	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22

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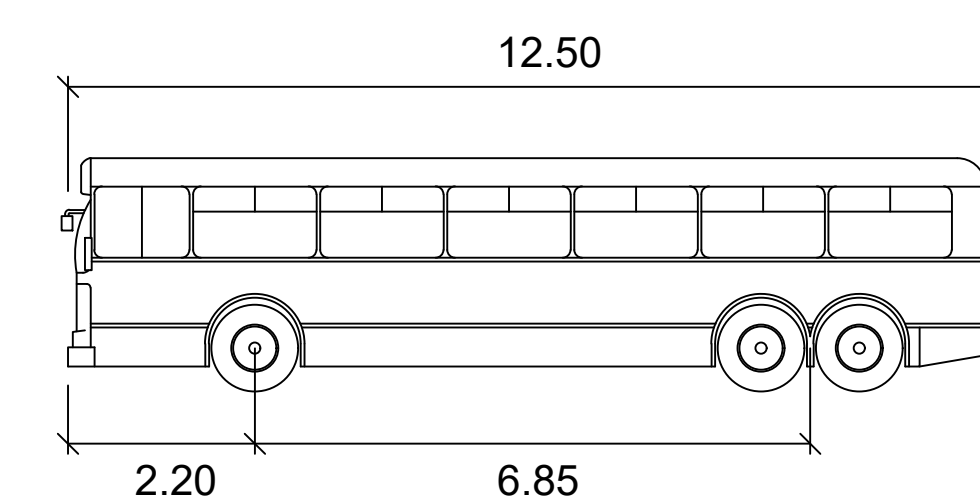
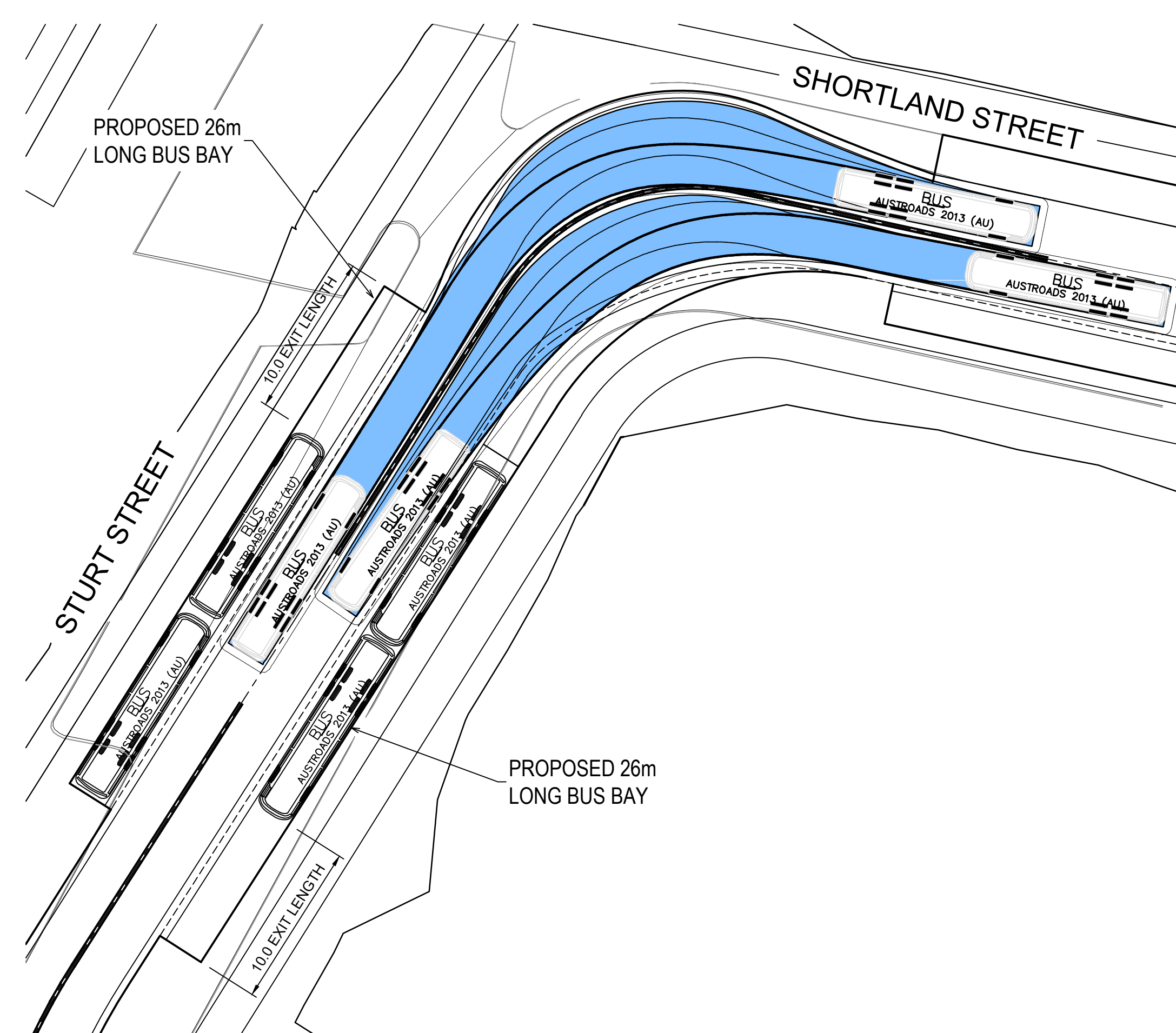
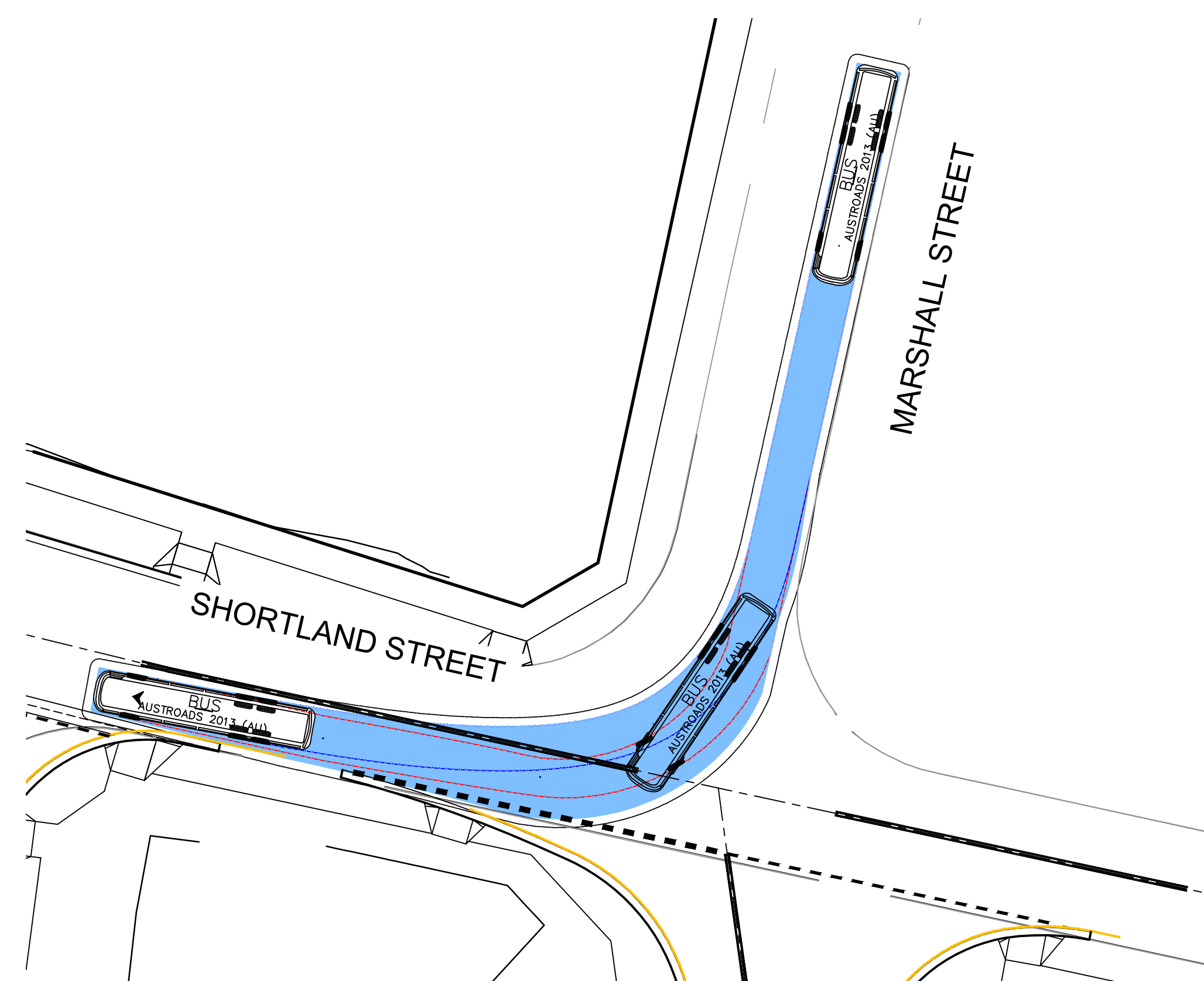
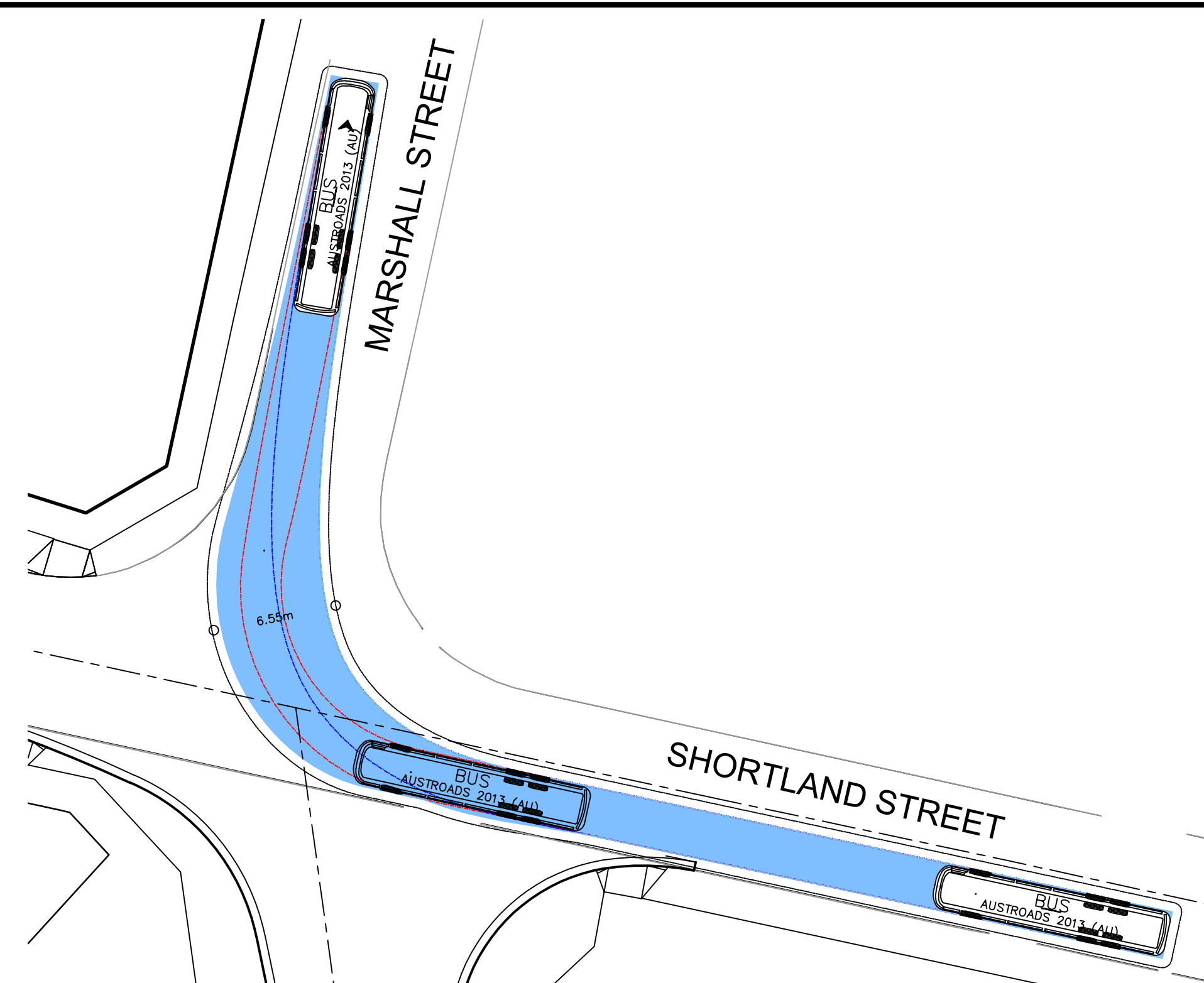
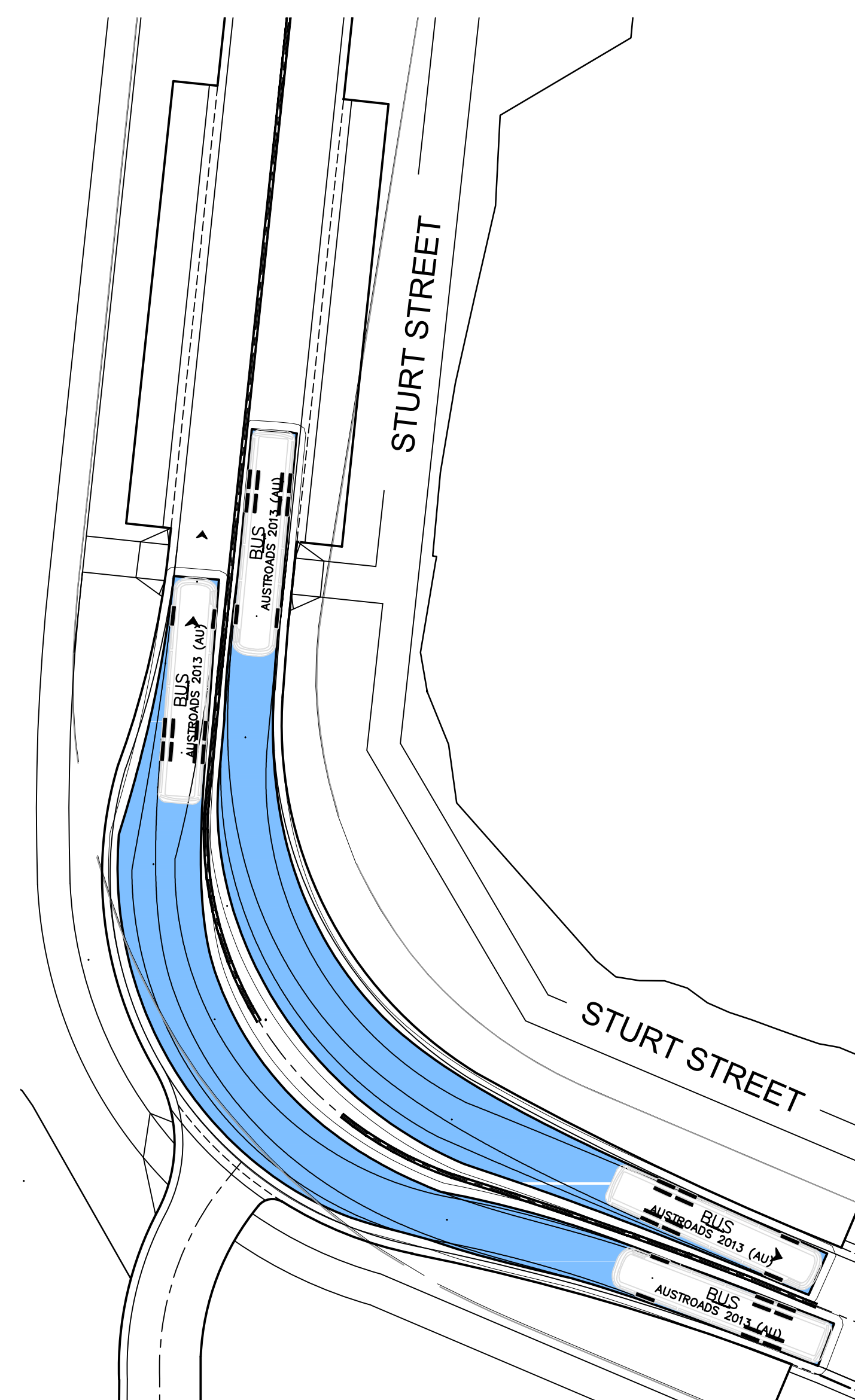
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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
TURNING PATHS
SHEET 7

PROJECT No: **110500-04**
SHEET No: **DA024**

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: **110500-04-DA024**

4



BUS	
	meters
Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 36.6

4	STURT STREET TURNING PATHS UPDATED	GA	GA	MS	MS	13/09/23			
3	STURT STREET INTERSECTION UPDATED	KE	GA	MS	MS	22/03/23			
2	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22			
1	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22			
	AMENDMENT	DES	DRN	CKD	APR	DATE			

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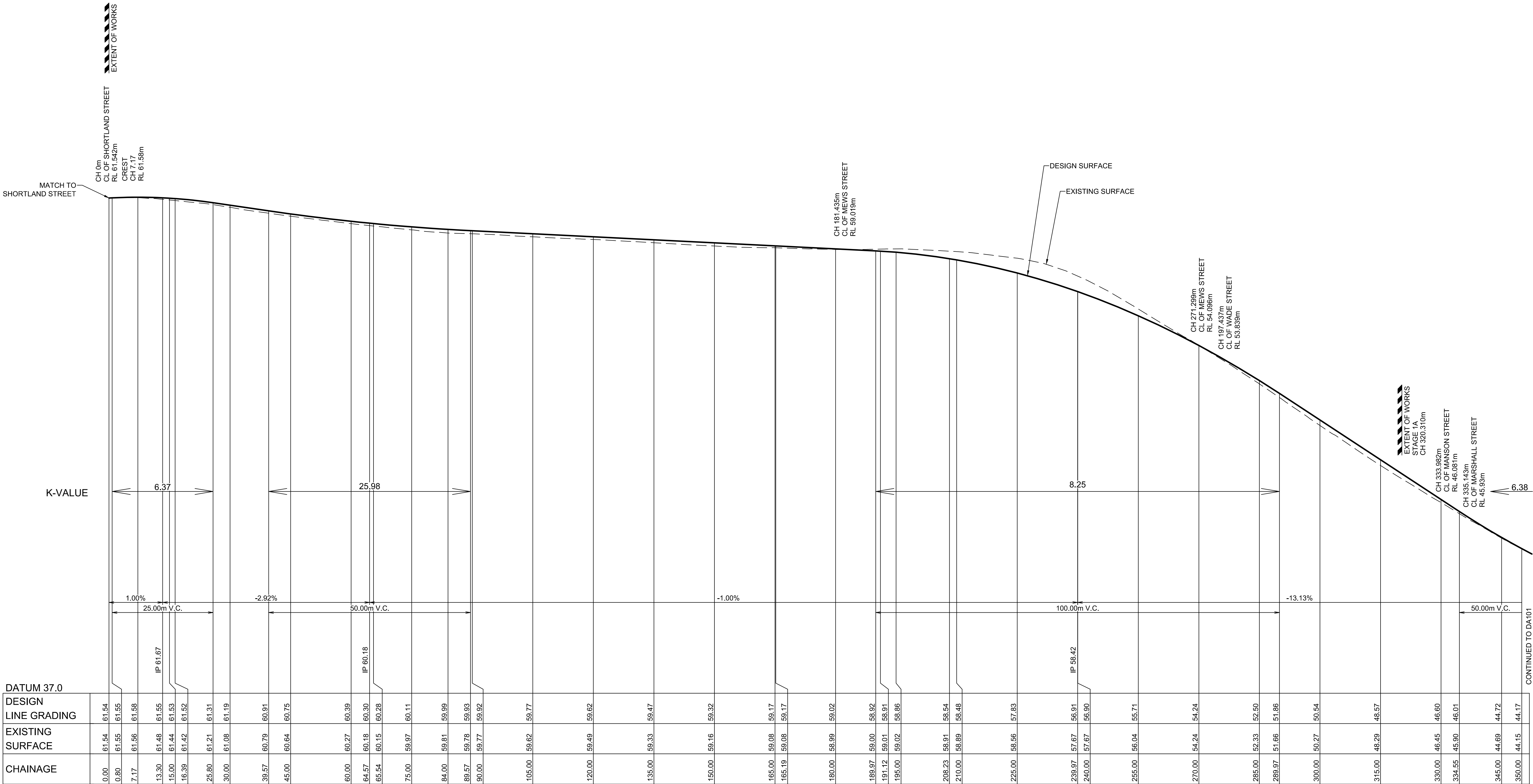
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<p style="text-align: center;">TELOPEA URBAN RENEWAL PROJECT MASTERPLAN TURNING PATHS SHEET 9</p>				PROJECT No: 110500-04	
				SHEET No: DA025	
<p>AZIMUTH: M.G.A.</p>	<p>DATUM: A.H.D.</p>	<p>ORIGIN: SSM 1112</p>	<p>PLAN No: 110500-04-DA025</p>	<p>4</p>	

Plotted: 13 September, 2023 10:20:07 AM File Name: J:\110500 - Telopea Urban Renewal\CD\DA Concept DA - Masterplan\110500-04-DA100.dwg



NO.	REVISION	DATE
5	STURT STREET SECTION UPDATED	13/09/23
4	STURT STREET NORTH UPDATED	08/11/22
3	COUNCIL COMMENTS	08/03/22
2	ISSUED FOR DA SUBMISSION	30/06/20
1	CONSULTANT ISSUE	01/06/20
	AMENDMENT	DATE
	DES	DRN
	CKD	APR

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
LONGITUDINAL SECTIONS
SHEET 1

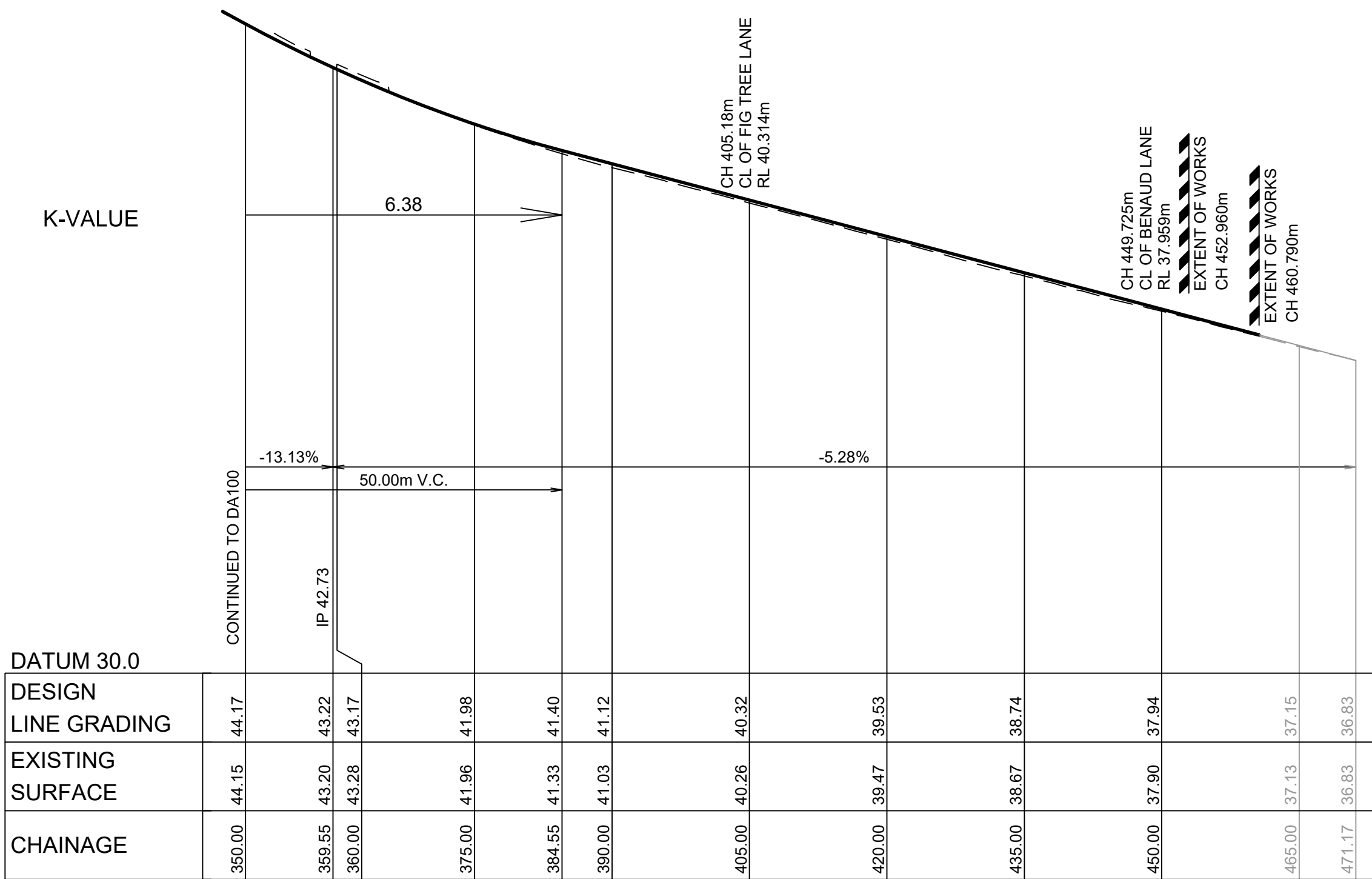
PROJECT No:
110500-04

SHEET No:
DA100

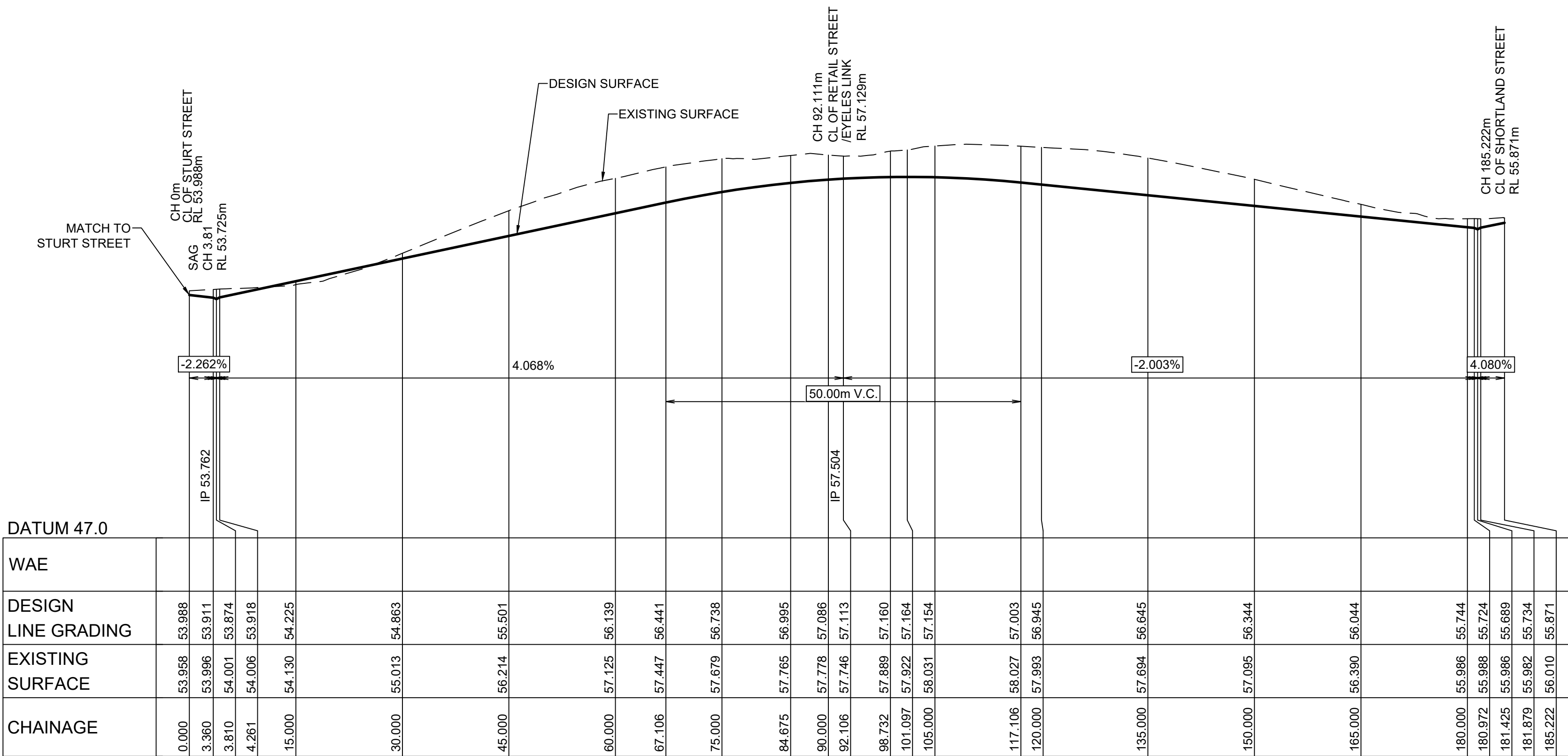
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5

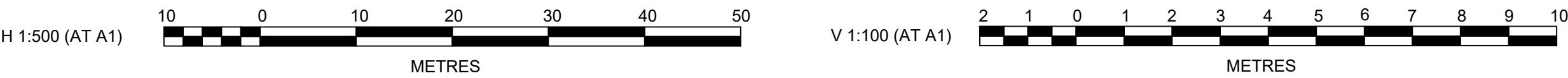
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LONGITUDINAL SECTION STURT STREET
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



LONGITUDINAL SECTION WADE STREET
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



5	STURT STREET SECTION UPDATED	GA	GA	MS	MS
4	NEW LINK ROAD UPDATED	GA	EJ	MS	MS
3	COUNCIL COMMENTS	GA	EJ	MS	DJ
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ
1	CONSULTANT ISSUE	GA	JM	MS	DJ
	AMENDMENT	DES	DRN	CKD	APR
					DATE

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
LONGITUDINAL SECTIONS
SHEET 2

PROJECT No:
110500-04

SHEET No:
DA101

AZIMUTH:M.G.A. 20

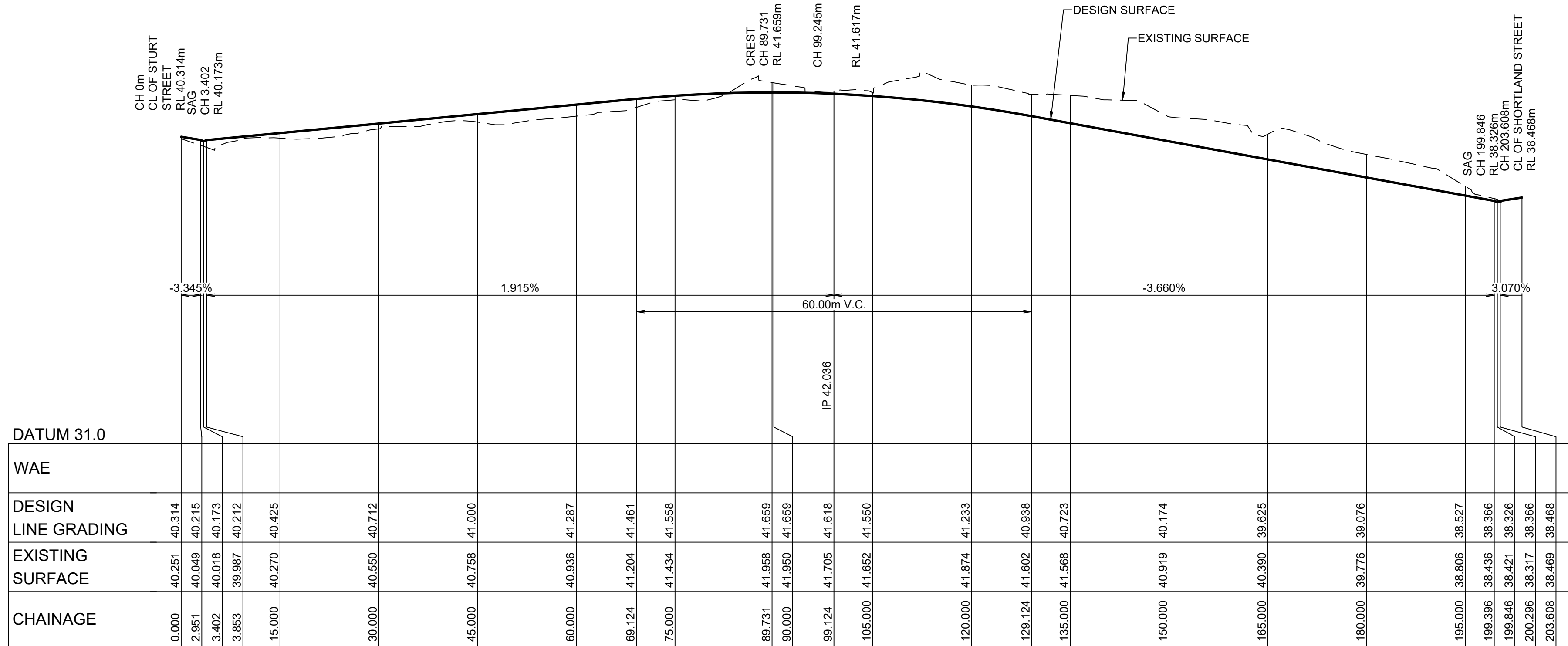
DATUM: A.H.D.

ORIGIN: SSM 1112

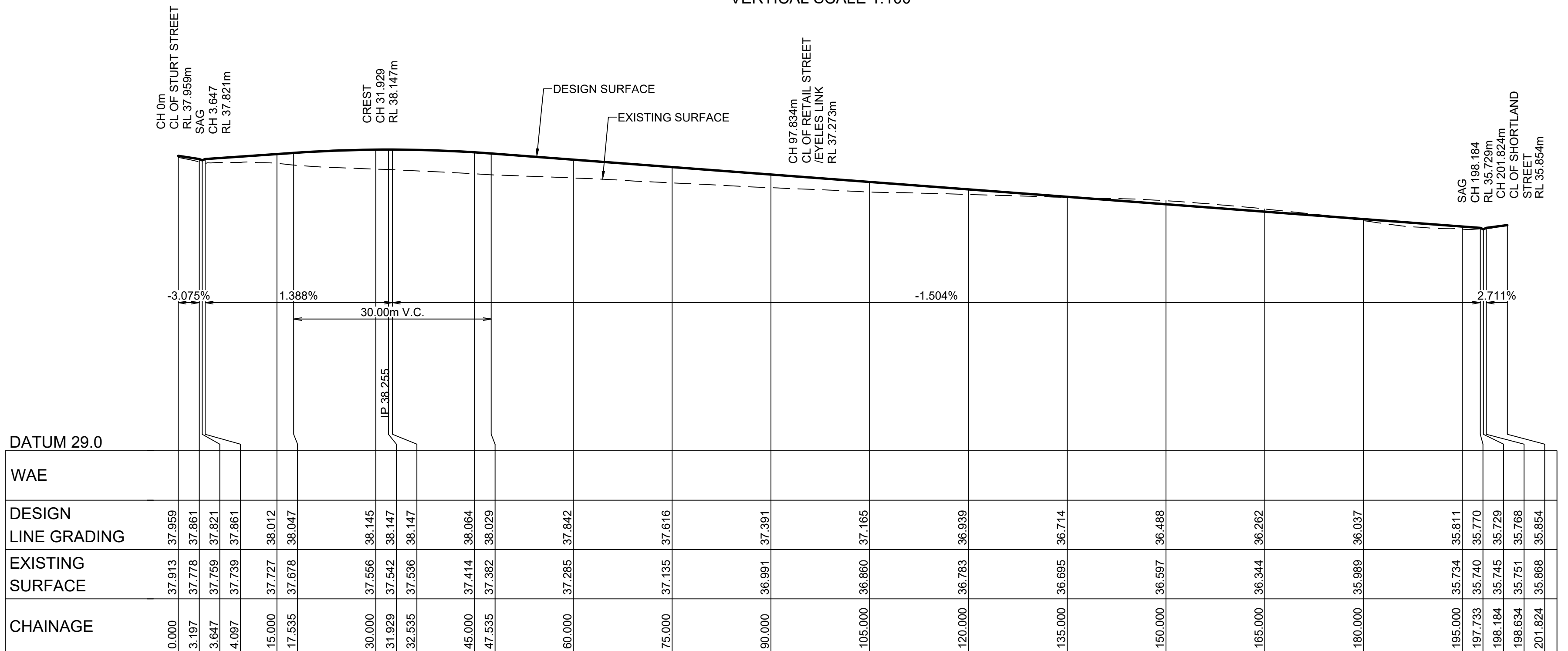
PLAN No: 110500-04-DA101

5

Plotted: 13 September, 2023 10:20:42 AM File Name: \\110500 - Telopea Urban Renewal\\CDDA Concept DA - Masterplan\\110500-04-DA103.dwg



LONGITUDINAL SECTION FIG TREE LANE
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



LONGITUDINAL SECTION BENAUD LANE
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



3	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
1	CONSULTANT ISSUE	GA	JM	MS	DJ	01/06/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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STATUS:

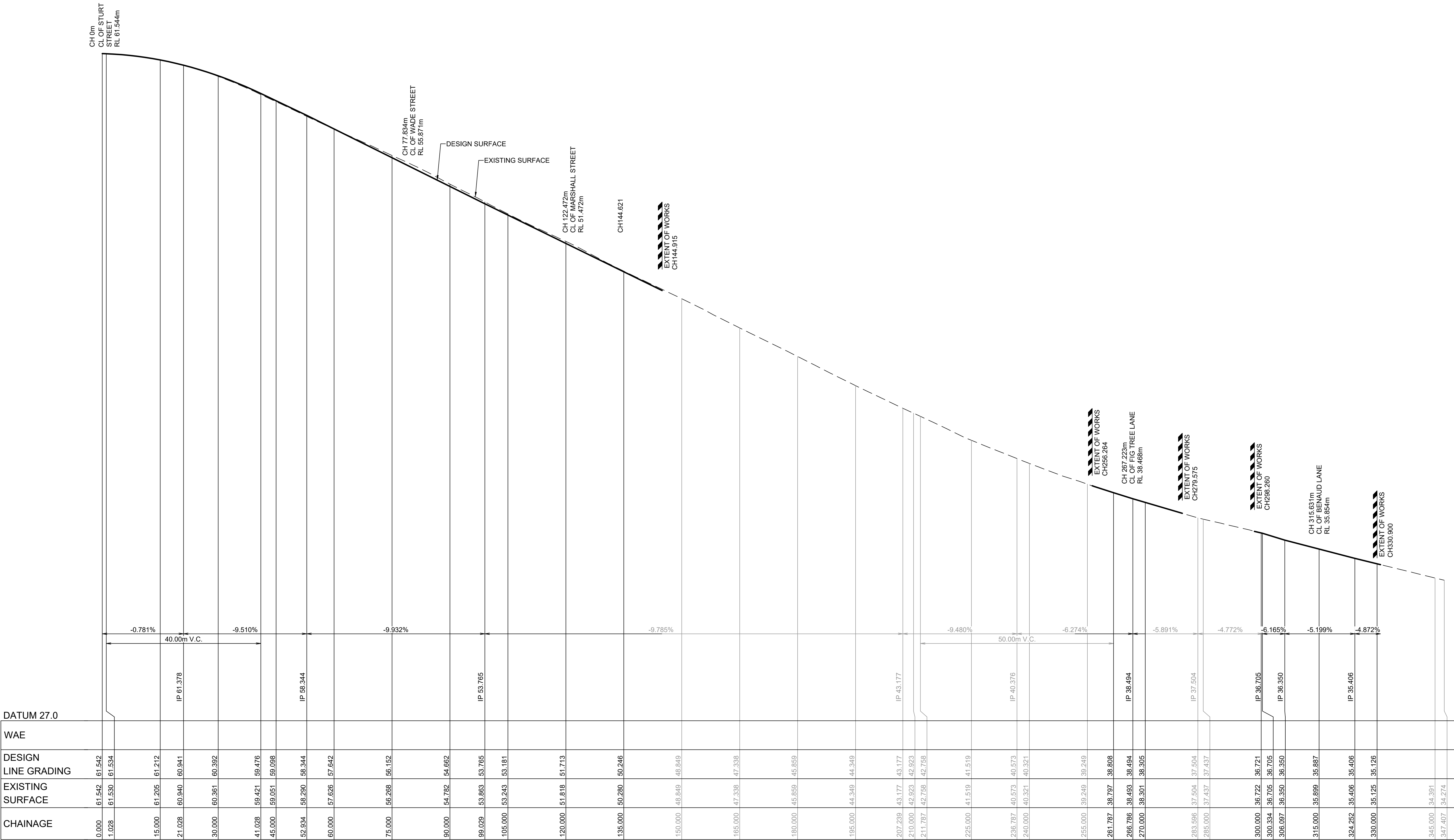
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DA APPROVAL**

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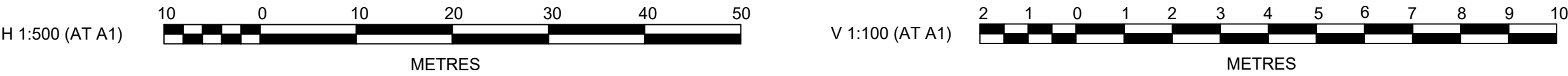
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TELOPEA URBAN RENEWAL PROJECT MASTERPLAN LONGITUDINAL SECTIONS SHEET 4				PROJECT No: 110500-04	
				SHEET No: DA103	
AZIMUTH:M.G.A. 20		DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 110500-04-DA103	
					3

Plotted: 13 September, 2023 10:20:54 AM File Name: \\110500 - Telopea Urban Renewal\\CDDA Concept DA - Masterplan\\110500-04-DA104.dwg



LONGITUDINAL SECTION SHORTLAND STREET
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



3	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22	
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20	
1	CONSULTANT ISSUE	GA	JM	MS	DJ	01/06/20	
	AMENDMENT	DES	DRN	CKD	APR	DATE	

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STATUS:

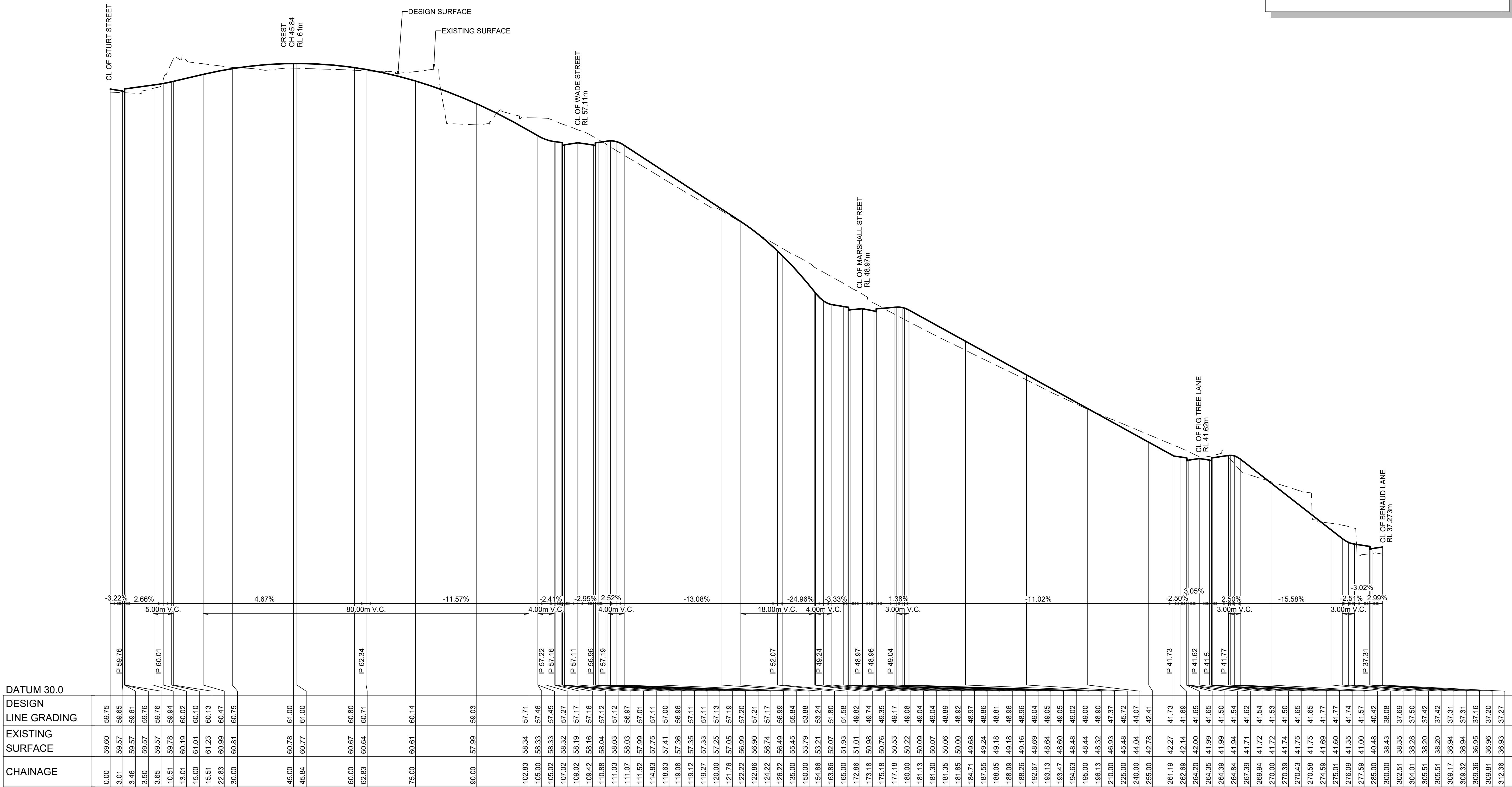
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TELOPEA URBAN RENEWAL PROJECT MASTERPLAN LONGITUDINAL SECTIONS SHEET 5				PROJECT No: 110500-04
				SHEET No: DA104
AZIMUTH:M.G.A. 20	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 110500-04-DA104	3

Plotted: 13 September, 2023 10:21:05 AM File Name: \\11 10500 - Telopea Urban Renewal\\CDDA Concept DA - Masterplan\\110500-04-DA105.dwg



LONGITUDINAL SECTION RETAIL STREET & EYELES LINK
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



NOTE:
- MINOR CORE CONNECTION DESIGN IS A CONCEPT ONLY AND IS SUBJECT TO CHANGE BY URBAN PLANNERS PLAN

4	LONG SECTION UPDATED	GA	GA	MS	MS
3	COUNCIL COMMENTS	GA	EJ	MS	DJ
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ
1	CONSULTANT ISSUE	GA	JM	MS	DJ
	AMENDMENT	DES	DRN	CKD	APR
					DATE

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TELOPEA URBAN RENEWAL PROJECT MASTERPLAN LONGITUDINAL SECTIONS SHEET 6				PROJECT No: 110500-04
				SHEET No: DA105
AZIMUTH:M.G.A. 20	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 110500-04-DA105	4



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PROJECT No: 110500-04	
SHEET No: DA106	
1-DA106	4

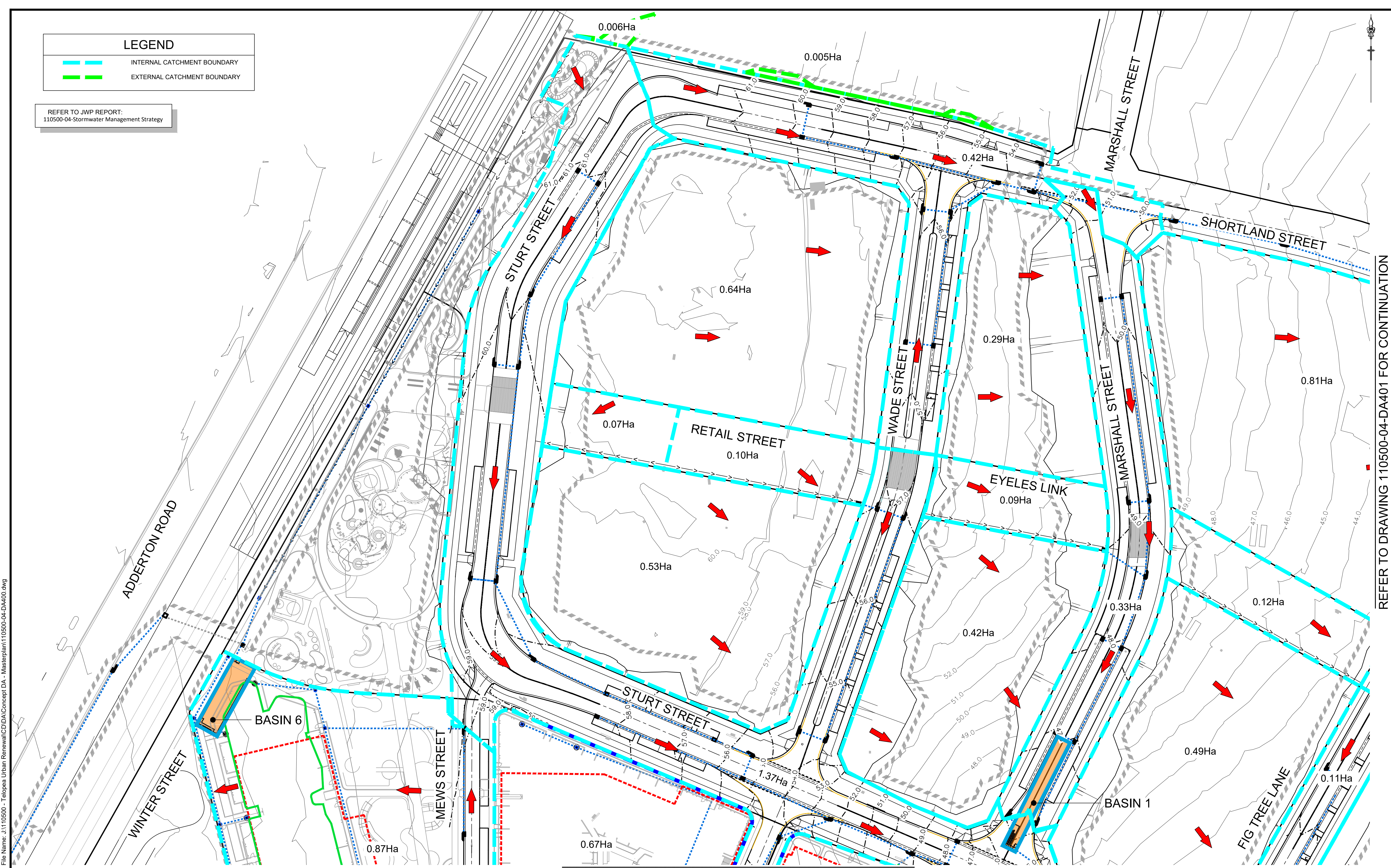
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LEGEND

INTERNAL CATCHMENT BOUNDARY

EXTERNAL CATCHMENT BOUNDARY

REFER TO JWP REPORT:
110500-04-Stormwater Management Strategy



REFER TO DRAWING 110500-04-DA402 FOR CONTINUATION

REFER TO DRAWING 110500-04-DA401 FOR CONTINUATION

9	CATCHMENTS UPDATED; ROAD, LOT & PARK UPDATED	GA	GA	MS	MS	13/09/23
8	STAGE 1A BUILDING LAYOUT UPDATED	GA	GA	MS	MS	21/07/23
7	DRAINAGE UPDATED	GA	EJ	MS	MS	08/11/22
6	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
5	BASIN 4 UPDATED	GA	GA	MS	DJ	01/07/21
4	MEWS ADDED	GA	NA	MS	DJ	25/06/21
3	STAGE 1A AMENDED	MS	JM	MS	DJ	18/08/20
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
1	tbu	GA	JM	MS	DJ	01/06/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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TELOPEA URBAN RENEWAL PROJECT

MASTERPLAN

CATCHMENT PLAN

SHEET 1

PROJECT No:

110500-04

SHEET No:

DA400

AZIMUTH:M.G.A.: 20

DATUM: A.H.D.

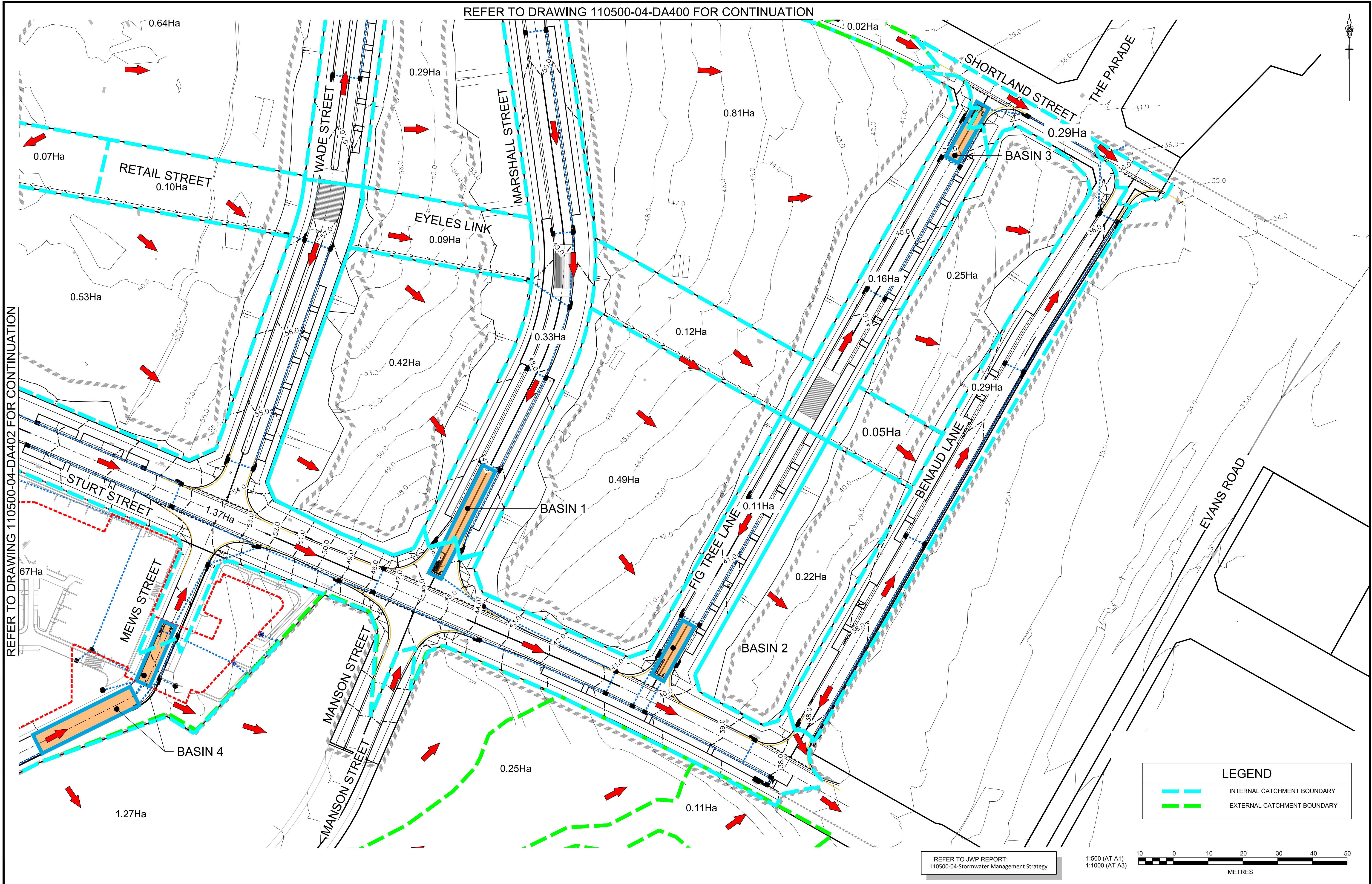
ORIGIN: SSM 1112

PLAN No: 110500-04-DA400

9

REFER TO DRAWING 110500-04-DA402 FOR CONTINUATION

Plotted: 13 September, 2023 10:23:06 AM File Name: \\110500 - Telopea Urban Renewal\\CDDA\\Concept DA - Masterplan\\110500-04-DA401.dwg



9	CATCHMENTS UPDATED; ROAD & LOT UPDATED	GA	GA	MS	MS	13/09/23
8	STAGE 1A BUILDING, BASIN 4 & DRAINAGE LAYOUT UPDATED	GA	GA	MS	MS	21/07/23
7	COUNCIL COMMENTS	GA	GA	MS	MS	29/09/23
6	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
5	BASIN 4 UPDATED	GA	GA	MS	DJ	01/07/21
4	MEWS ADDED	GA	NA	MS	DJ	25/08/21
3	STAGE 1A AMENDED	MS	JM	MS	DJ	18/08/20
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
1	CONSULTANT ISSUE	GA	JM	MS	DJ	01/06/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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STATUS:

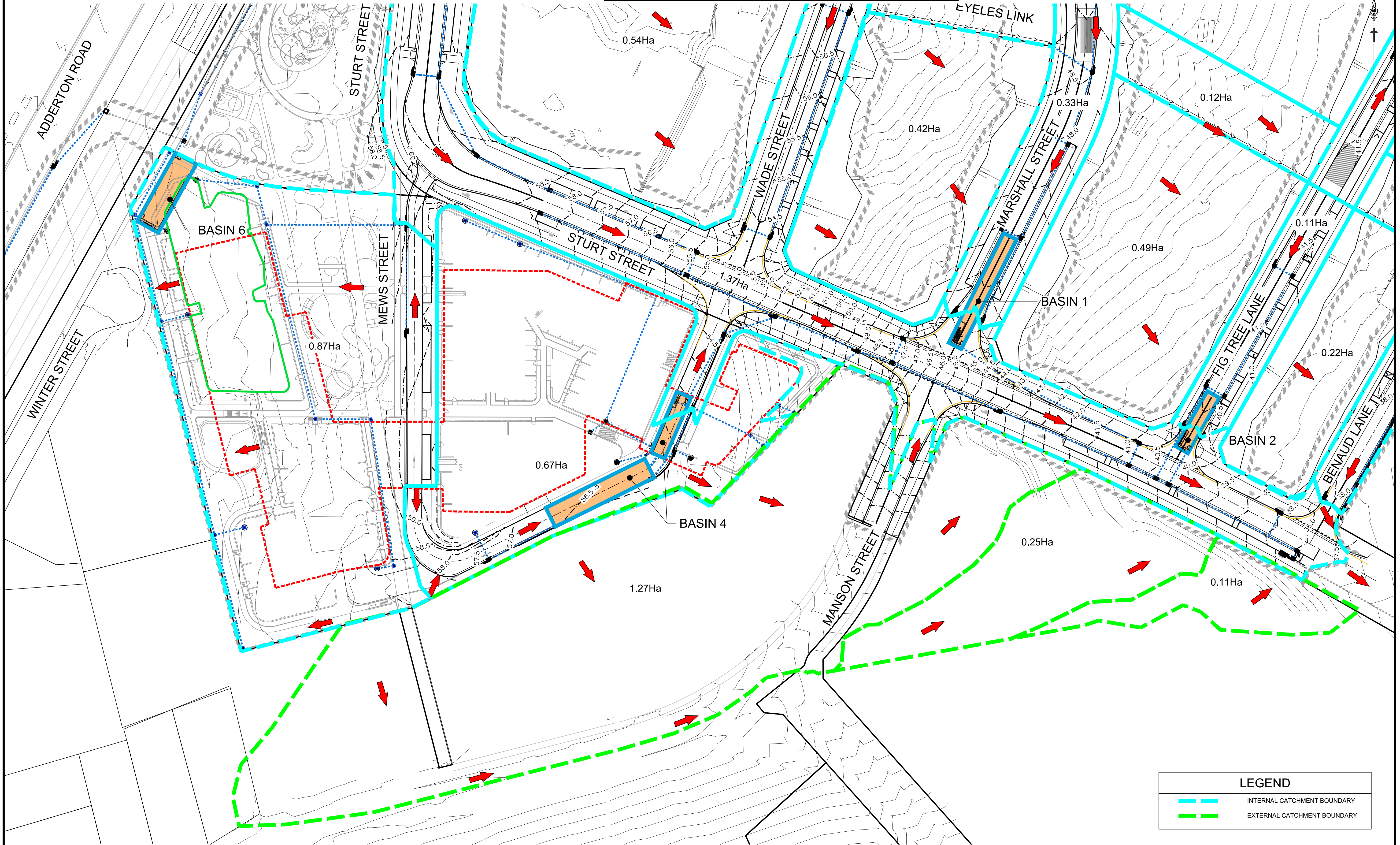
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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
CATCHMENT PLAN
SHEET 2

PROJECT No:
110500-04
SHEET No:
DA401

AZIMUTH:M.G.A. 20 DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 110500-04-DA401 9

REFER TO DRAWING 110500-04-DA401 FOR CONTINUATION

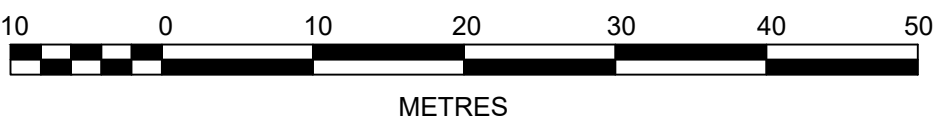


LEGEND

- INTERNAL CATCHMENT BOUNDARY
- EXTERNAL CATCHMENT BOUNDARY

REFER TO JWP REPORT:
110500-04-Stormwater Management Strategy

1:500 (AT A1)
1:1000 (AT A3)



9	CATCHMENTS UPDATED; ROAD & LOT UPDATED	GA	GA	MS	MS	13/09/23
8	STAGE 1A BUILDING; BASIN 4 & DRAINAGE LAYOUT UPDATED	GA	GA	MS	MS	21/07/23
7	DRAINAGE UPDATED	GA	EJ	MS	MS	08/11/22
6	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
5	BASIN 4 UPDATED	GA	GA	MS	DJ	01/07/21
4	MEWS ADDED	GA	NA	MS	DJ	25/06/21
3	STAGE 1A AMENDED	MS	JM	MS	DJ	18/08/20
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
1	CONSULTANT ISSUE	GA	JM	MS	DJ	01/06/20
AMENDMENT		DES	DRN	CKD	APR	DATE

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
CATCHMENT PLAN
SHEET 3

AZIMUTH:M.G.A. 20

DATUM: A.H.D.

ORIGIN: SSM 1112

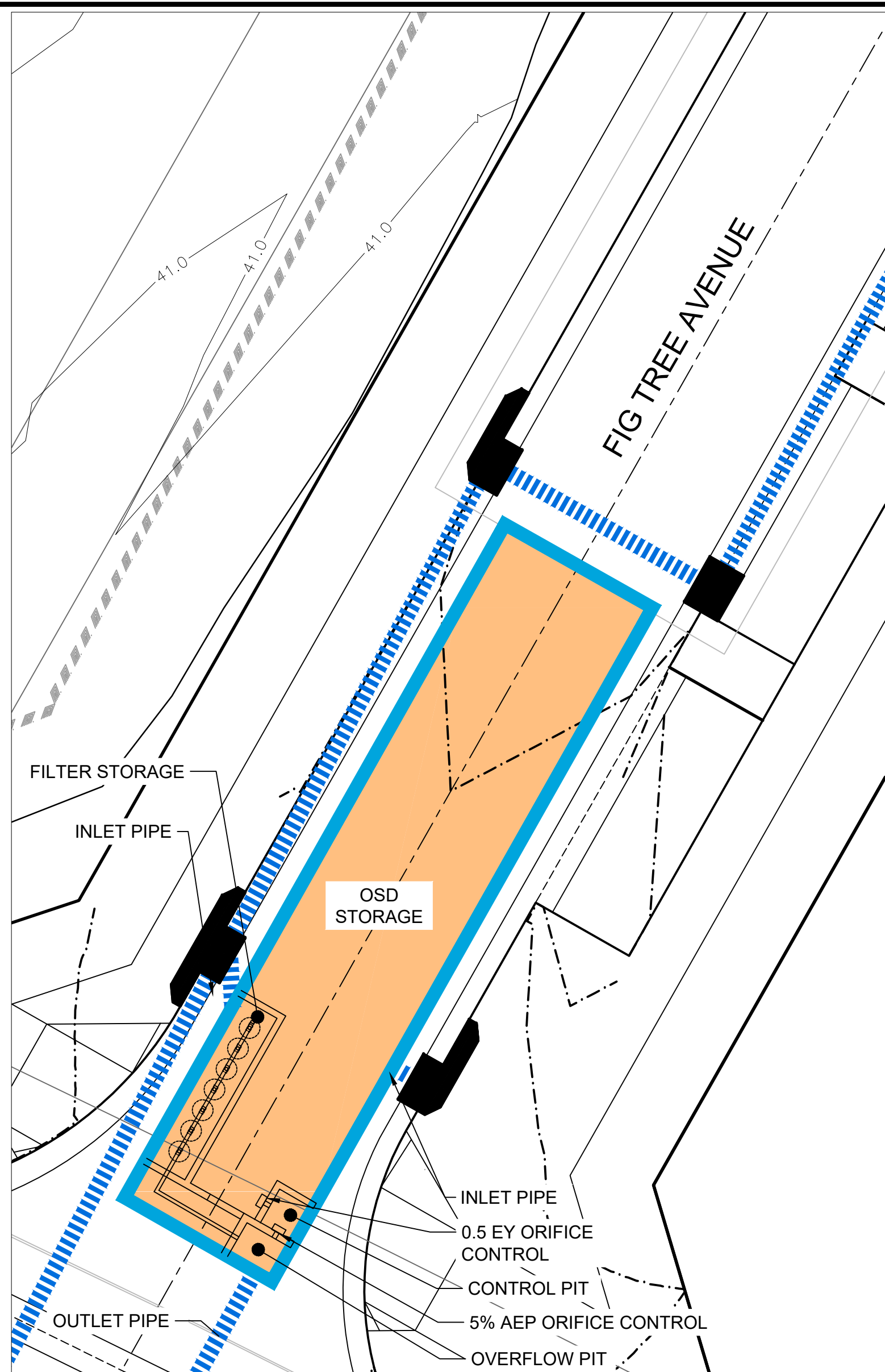
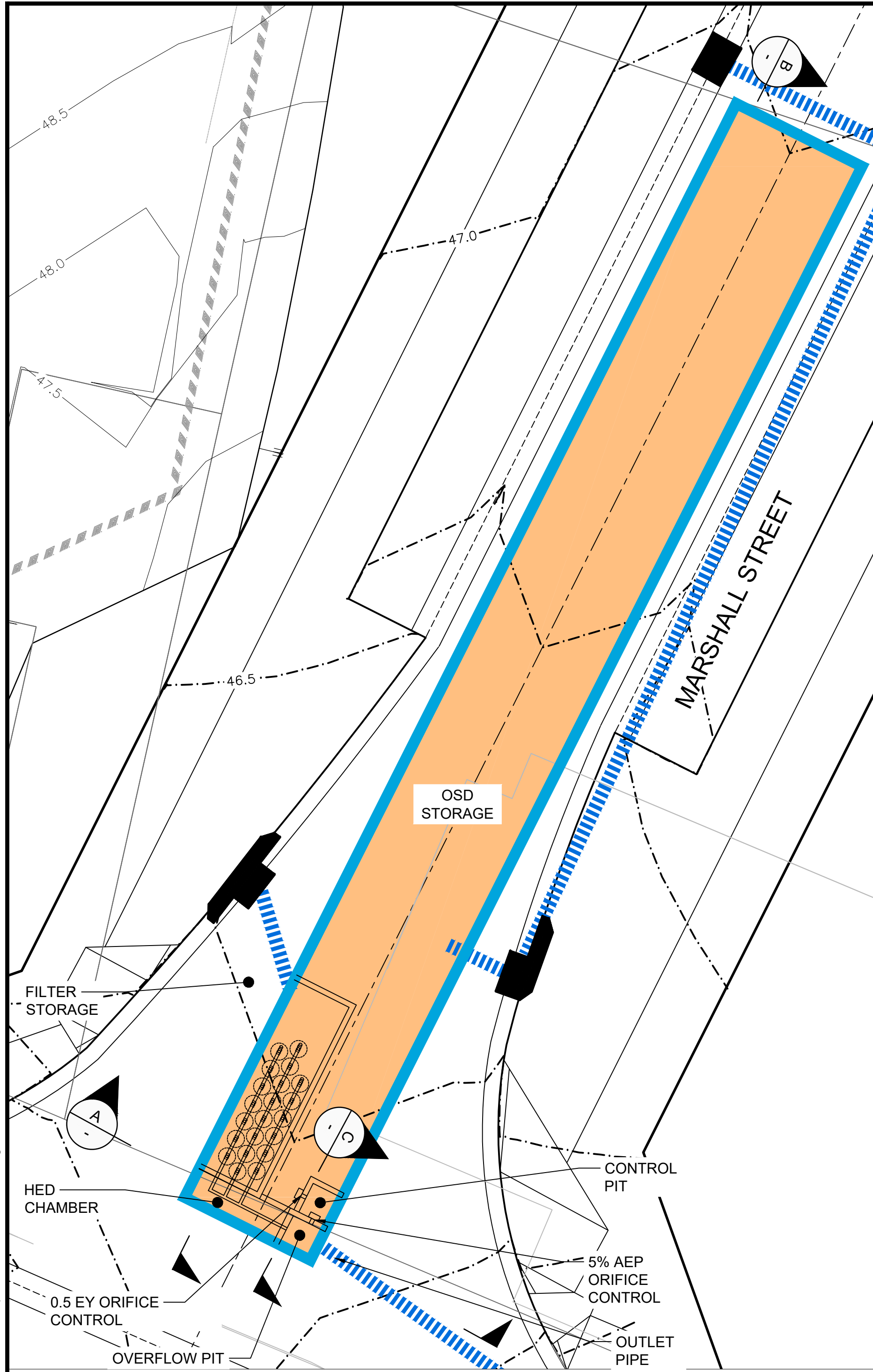
PLAN No: 110500-04-DA402

PROJECT No:

110500-04

SHEET No:

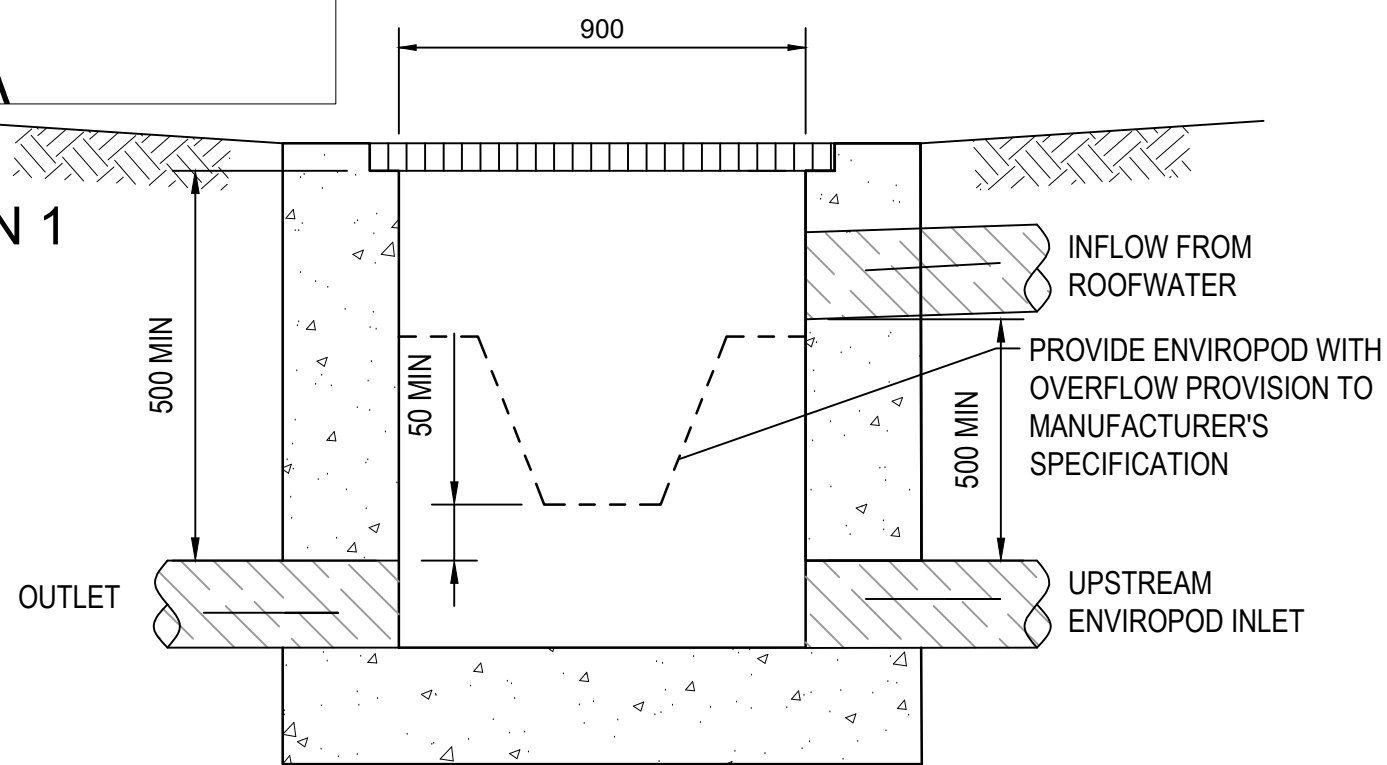
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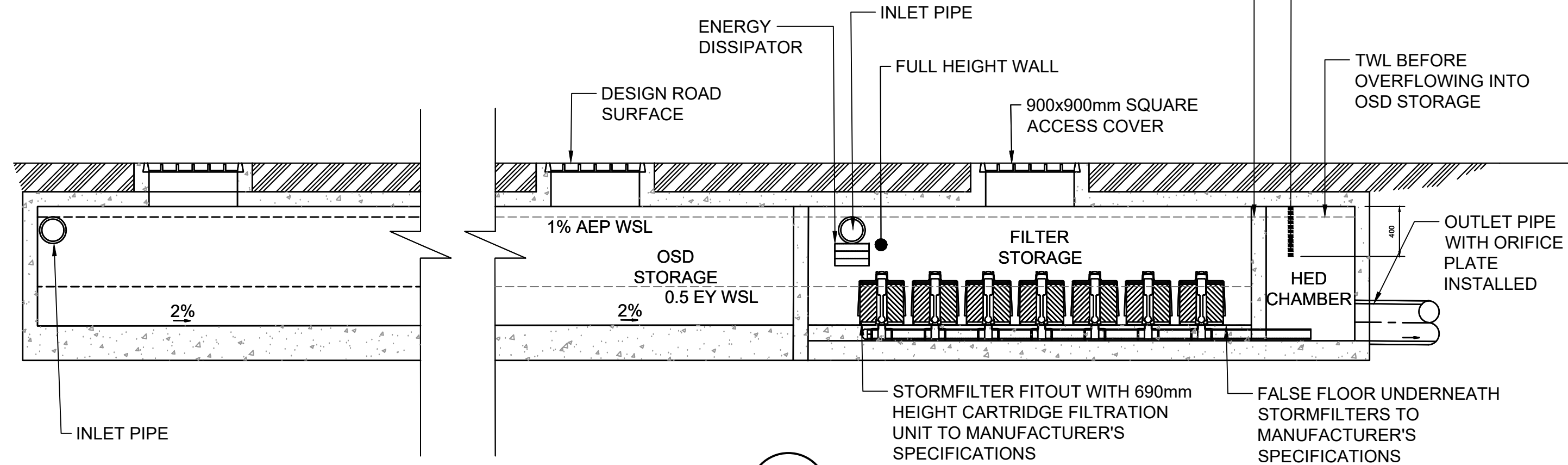
PLAN - TYPICAL UNDERGROUND OSD BASIN - BASIN 2

PLAN - TYPICAL UNDERGROUND OSD BASIN - BASIN 1

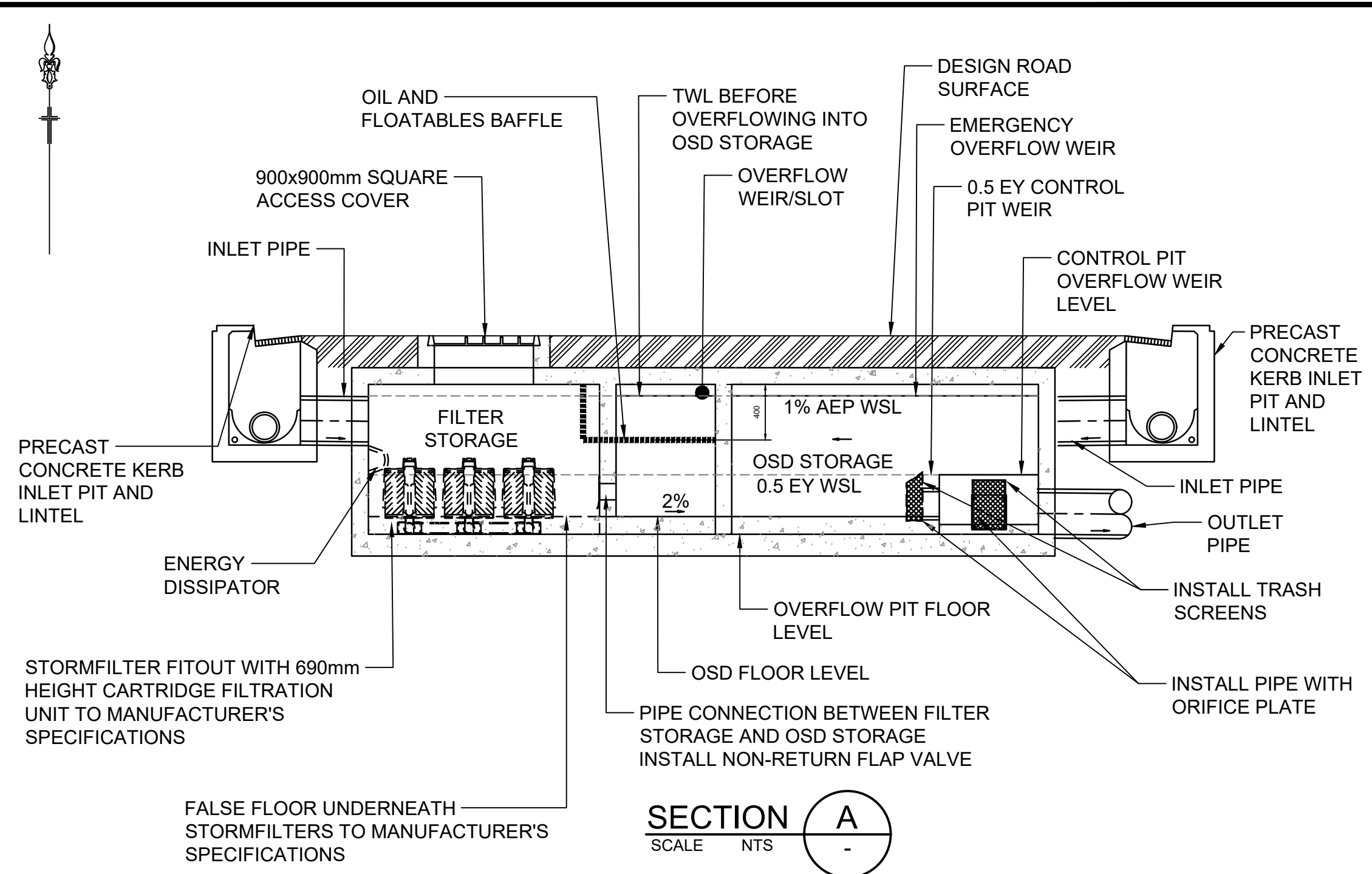
BASIN	BASIN DETAILS				
	AREA	STORAGE DEPTH	DIMENSIONS	ACTIVE STORAGE VOLUME	No. OF FILTERS
	(m2)	(m)	(m)	(m3)	
1	120	1.45	34.5 x 4	143	21
2	60	1	4 x 18	50	7
3	60	1.31	4 x 18	68	10
4	261	0.8 TO 1.4	7 TO 11.4 x 28.8	317	6
5	95	1.65	15x 7	80	11
6	112	3.41	6.3 x 22	384	7



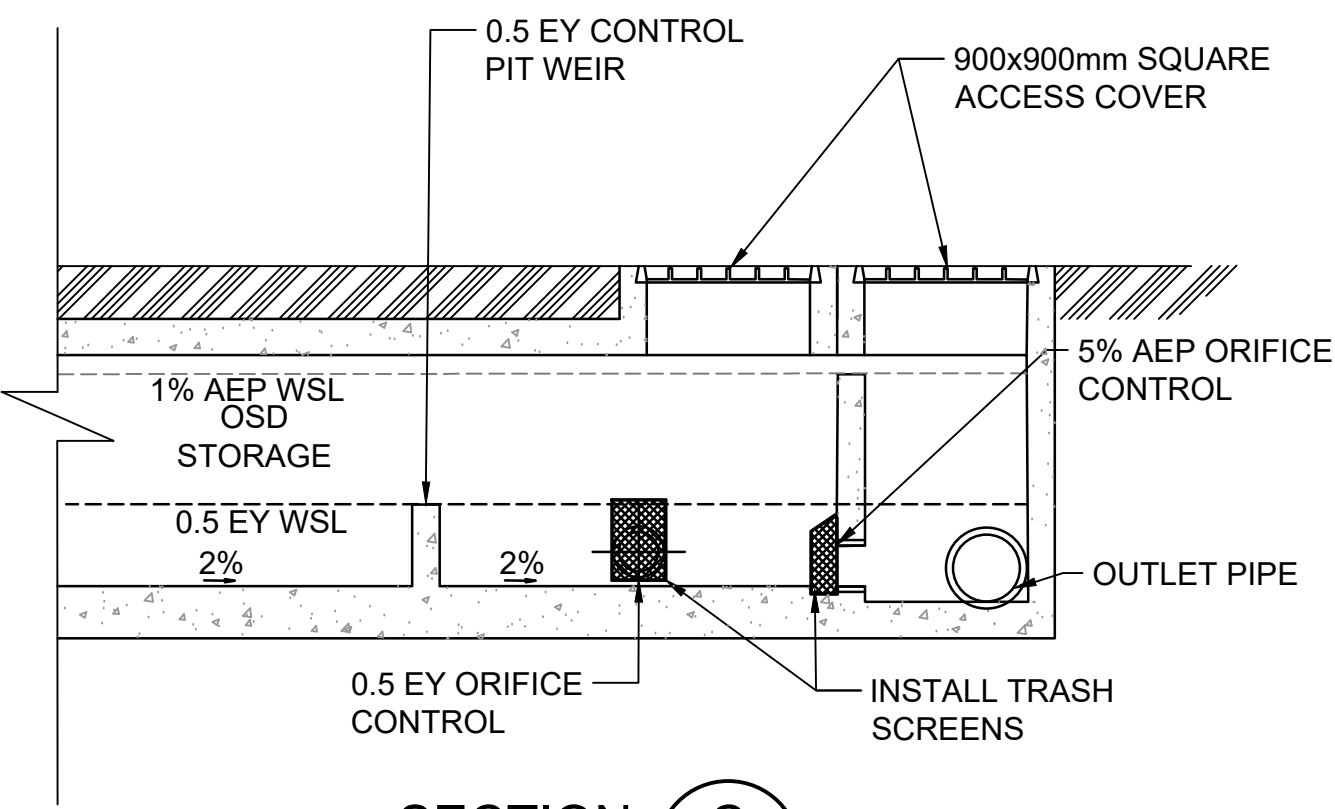
GSIP DETAIL WITH ENVIPOD ARRANGEMENT



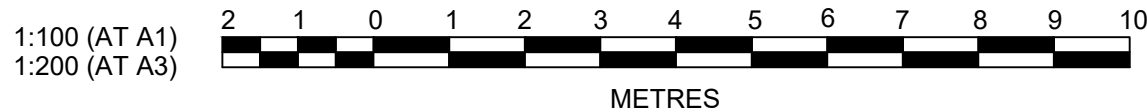
SECTION B



SECTION A



SECTION C



NO.	REVISION	DATE	BY	CHECKED	APPROVED
6	COUNCIL COMMENTS	08/03/22	DJ	MS	EJ
5	BASIN 4 UPDATED	01/07/21	DJ	MS	GA
4	MEWS ADDED	25/06/21	DJ	MS	GA
3	STAGE 1A AMENDED	18/08/20	DJ	MS	MS
2	ISSUED FOR DA SUBMISSION	30/06/20	DJ	MS	GA
1	CONSULTANT ISSUE	01/06/20	DJ	MS	GA

AMENDMENT	DES	DRN	CKD	APR	DATE

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
OSD TYPICAL DETAILS


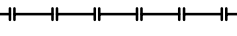




PROJECT No: **110500-04**
SHEET No: **DA403**

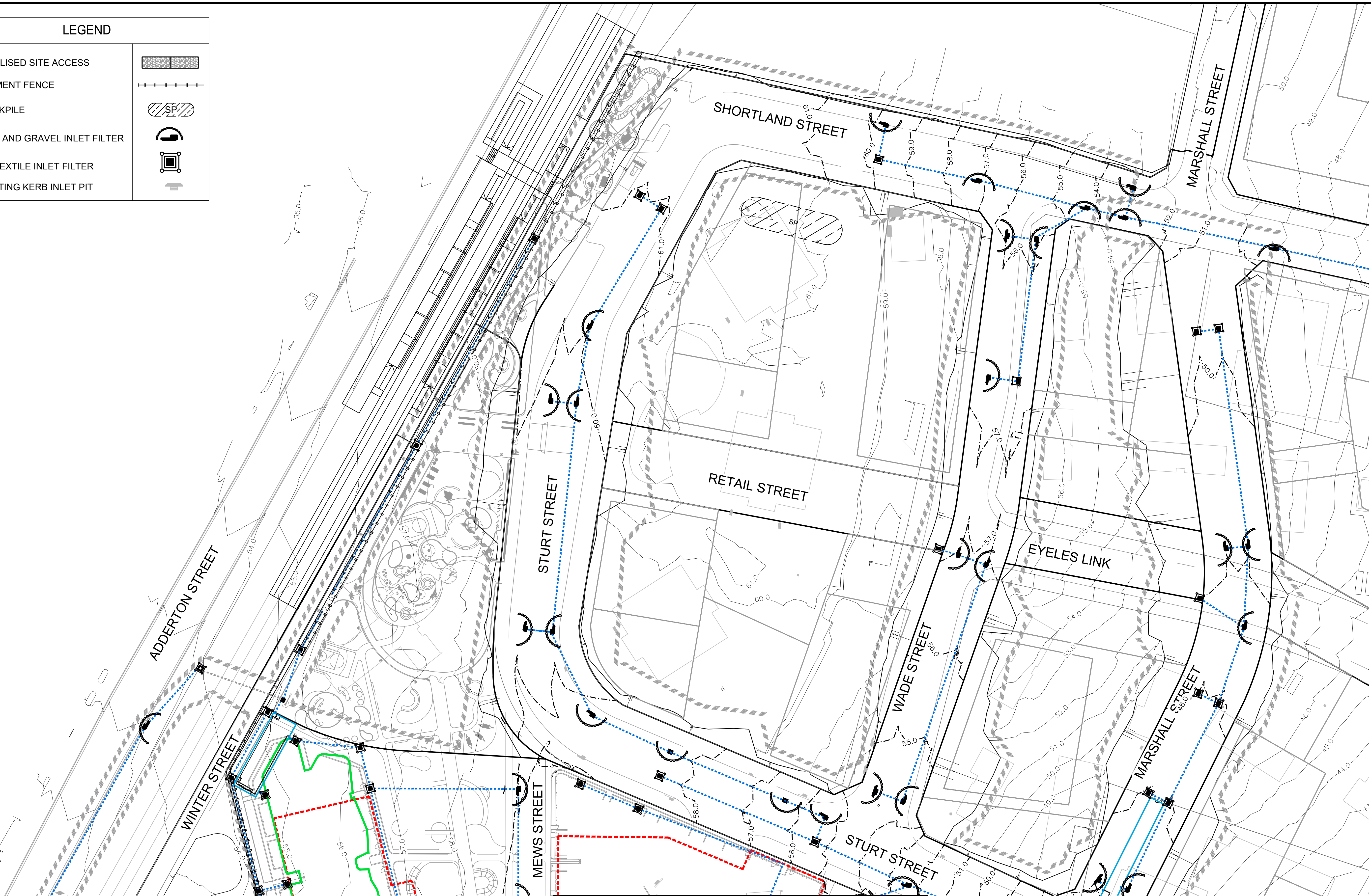
PLAN No: **110500-04-DA403**

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112

6

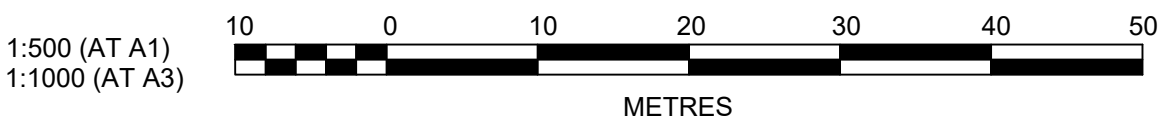
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LEGEND	
STABILISED SITE ACCESS	
SEDIMENT FENCE	
STOCKPILE	
MESH AND GRAVEL INLET FILTER	
GEOTEXTILE INLET FILTER	
EXISTING KERB INLET PIT	



REFER TO DRAWING 110500-04-DA602 FOR CONTINUATION

REFER TO DRAWING 110500-04-DA601 FOR CONTINUATION



8	SW & FILTERS UPDATED; ROAD & LOT LAYOUT UPDATED	GA	GA	MS	MS	13/09/23
7	STAGE 1A BUILDING LAYOUT UPDATED	GA	GA	MS	MS	21/07/23
6	NEW LINK ROAD UPDATED	GA	EJ	MS	MS	09/11/22
5	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
4	MEWS ADDED	GA	NA	MS	DJ	25/06/21
3	STAGE 1A AMENDED	MS	JM	MS	DJ	18/08/20
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
1	CONSULTANT ISSUE	GA	JM	MS	DJ	01/06/20
AMENDMENT		DES	DRN	CKD	APR	DATE

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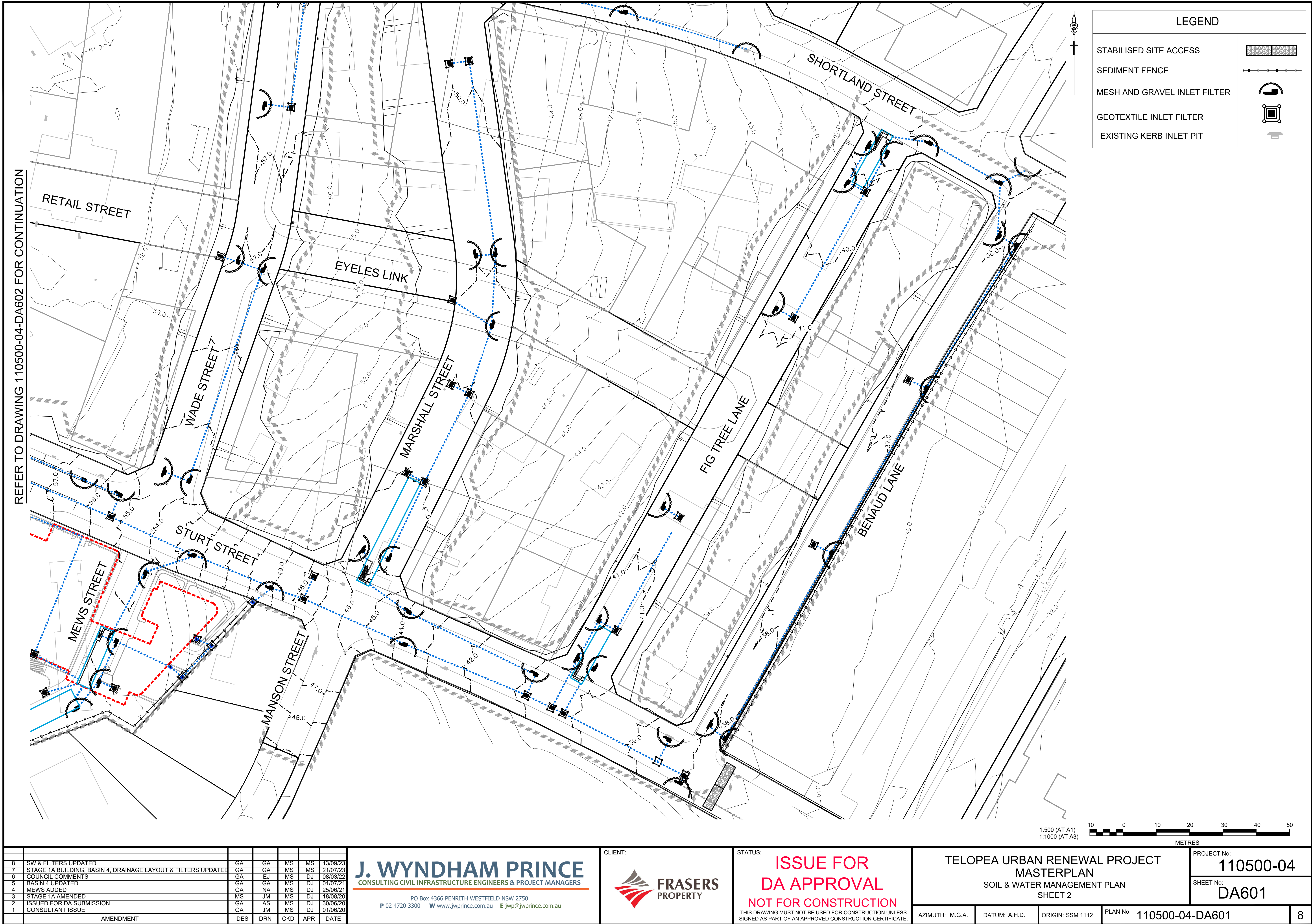
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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
SOIL & WATER MANAGEMENT PLAN
SHEET 1

PROJECT No:
110500-04
SHEET No:
DA600

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 110500-04-DA600

8



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REFER TO DRAWING 110500-04-DA600 FOR CONTINUATION

LEGEND




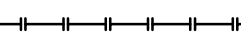
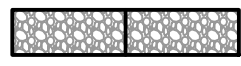
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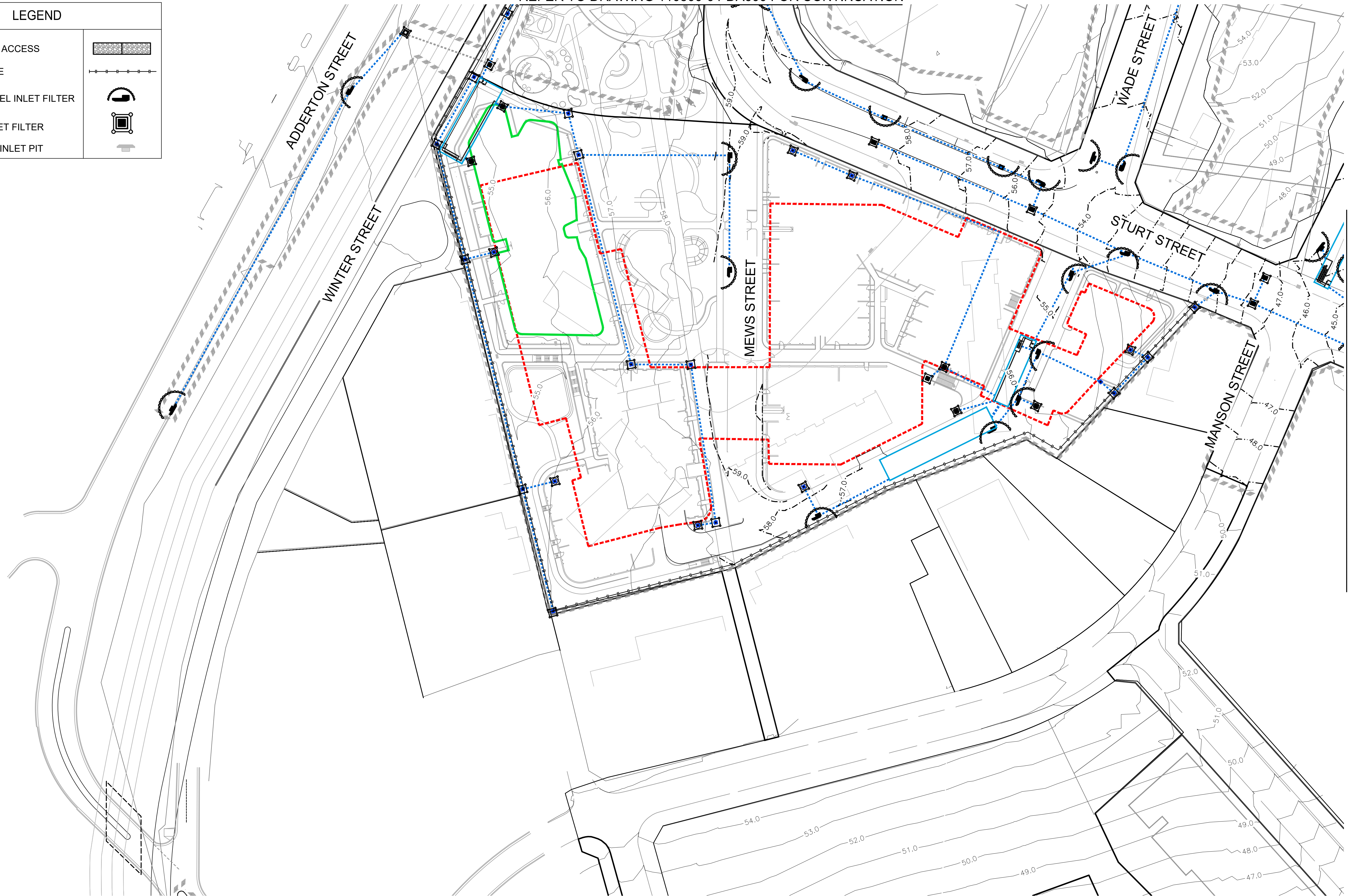
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MESH AND GRAVEL INLET FILTER

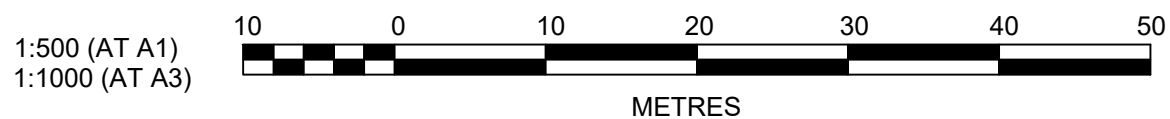
GEOTEXTILE INLET FILTER

EXISTING KERB INLET PIT





REFER TO DRAWING 110500-04-DA601 FOR CONTINUATION



9	SW & FILTERS UPDATED; ROAD & LOT LAYOUT UPDATED	GA	GA	MS	MS	13/09/23
8	STAGE 1A BUILDING, BASIN 4 & DRAINAGE LAYOUT UPDATED	GA	GA	MS	MS	21/07/23
7	NEW LINK ROAD UPDATED	GA	EJ	MS	MS	08/11/22
6	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
5	BASIN 4 UPDATED	GA	GA	MS	DJ	01/07/21
4	MEWS ADDED	GA	NA	MS	DJ	25/06/21
3	STAGE 1A AMENDED	MS	JM	MS	DJ	18/08/20
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20
1	CONSULTANT ISSUE	GA	JM	MS	DJ	01/06/20
	AMENDMENT	DES	DRN	CKD	APR	DATE

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
SOIL & WATER MANAGEMENT PLAN
SHEET 3

PROJECT No:
110500-04

SHEET No:
DA602

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 110500-04-DA602

9

SOIL AND WATER MANAGEMENT NOTES

GENERAL NOTES:

1.

ALL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING REVEGETATION AND STORAGE OF SOIL AND TOPSOIL, SHALL BE IMPLEMENTED TO THE REQUIREMENTS OF THE "SOILS AND CONSTRUCTION - VOLUME 1, 4TH EDITION, MARCH 2004".
2.

TOPSOIL FROM ALL AREAS TO BE DISTURBED SHALL BE STOCKPILED AND LATER RESPREAD TO AID REVEGETATION IN THOSE AREAS.
3.

ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILISED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
4.

ALL TAIL-OUT DRAINS SHALL BE COUCH GRASSED AND TRAPEZOIDAL IN SECTION. STRAW BALES SHALL BE PLACED AS A SEDIMENT CONTROL DEVICE WHERE REQUIRED.
5.

VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING DEVELOPMENT CONFINING ACCESS WHERE POSSIBLE TO PROPOSED OR EXISTING ROAD ALIGNMENTS. AREAS TO BE LEFT UNDISTURBED SHALL BE MARKED OFF.
6.

ROADS SHALL BE PAVED AS EARLY AS POSSIBLE AFTER FORMATION.
7.

DISTURBANCE OF VEGETATION SHALL BE LIMITED TO FILL AREAS, ROADWAYS AND DRAINAGE LINES. NO LOT GRADING SHALL BE CARRIED OUT IN UNDISTURBED AREAS WITHOUT CONSULTATION WITH COUNCIL'S ENGINEER.
8.

ALL DISTURBED AREAS SHALL BE REVEGETATED AS SOON AS THE RELEVANT WORKS ARE COMPLETED.
9.

ALL SEDIMENT BASINS AND TRAPS SHALL BE CLEANED WHEN THE STRUCTURES ARE A MAXIMUM 60% FULL OF SOLID MATERIALS, INCLUDING DURING THE MAINTENANCE PERIOD.
10.

THE SOIL AND WATER MANAGEMENT PLAN IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING PLANS, AND COUNCIL'S WRITTEN GUIDELINES FOR THE DEVELOPMENT OF LAND.
11.

CONTRACTORS SHALL ENSURE THAT ALL SOIL AND WATER MANAGEMENT WORKS ARE UNDERTAKEN AS SPECIFIED ON THE PLAN AND IN ACCORDANCE WITH THE GUIDELINES SHOWN IN "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION 4TH EDITION" ("THE BLUE BOOK").
12.

ALL CONTRACTORS AND SUBCONTRACTORS ARE RESPONSIBLE FOR REDUCING THE SOIL EROSION AND POLLUTION OF DOWNSLOPE AREAS.
13.

THE SOIL EROSION HAZARD ON THE SITE IS TO BE KEPT AS LOW AS POSSIBLE AND GENERALLY IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

LAND USE	LIMITATION	COMMENTS
CONSTRUCTION AREAS	DISTURBANCE TO BE NO FURTHER THAN 5m (PREF 2m) FROM THE EDGE OF ANY ESSENTIAL ENGINEERING ACTIVITY AS SHOWN ON THESE PLANS	ALL SITE WORKERS WILL CLEARLY RECOGNISE THESE ZONES - WHERE APPROPRIATE THE CONSTRUCTION AREAS ARE TO BE IDENTIFIED WITH BARRIER FENCING (DOWNSLOPE) OR SIMILAR MATERIAL.
ACCESS AREAS	LIMITED TO A MAXIMUM WIDTH OF 10m	THE SITE MANAGER SHALL DETERMINE AND MARK THE LOCATION OF THESE ZONES ONSITE. THEY CAN VARY IN POSITION TO BEST CONSERVE THE EXISTING VEGETATION AND PROTECT DOWNSLOPE AREAS WHILE BEING CONSIDERATE OF THE NEEDS OF EFFICIENT WORKS ACTIVITIES. ALL SITE WORKERS SHALL CLEARLY RECOGNISE THEIR BOUNDARIES. WHERE APPROPRIATE THE ACCESS AREAS ARE TO BE MARKED WITH BARRIER MESH, SEDIMENT FENCING OR SIMILAR MATERIALS.
REMAINING LANDS	ENTRY PROHIBITED EXCEPT FOR ESSENTIAL THINNING OF PLANT GROWTH	THINNING OF GROWTH MAY BE REQUIRED FOR FIRE HAZARD REDUCTION.

NOTE:
WORKS WITHIN WATERWAYS AND CREEKS SHALL BE RESTRICTED AS DIRECTED - ALL LANDS WITHIN CREEKS AND WATERWAYS SHALL HAVE A GROUND COVER MORE THAN 70%, USING MATERIALS THAT CAN CATER FOR CONCENTRATED FLOWS.

14.

WORKS ARE TO BE UNDERTAKEN IN THE FOLLOWING SEQUENCE. EACH SUBSEQUENT STAGE IS NOT TO COMMENCE UNTIL THE PREVIOUS ONE IS COMPLETE:-

a.

INSTALL ALL BARRIER AND SEDIMENT FENCING WHERE SHOWN ON THE PLAN AND TO DETAIL (SD) 6-8.

b.

CONSTRUCT STABILISED SITE ACCESS AS SHOWN ON THE PLAN AND TO DETAIL (SD) 6-14.

c.

CONSTRUCT LOW FLOW EARTH BANKS WHERE SHOWN ON THE PLAN AND TO DETAIL (SD) 5-5.

d.

PROVIDE TEMP. ACCESS TO THE SEDIMENT BASIN(S) AND PROTECT THIS WITH SEDIMENT FENCING (SD) 6-8 OR BARRIER FENCING AND EARTH BANKS (SD) 5-5.

e.

PLACE SEDIMENT FENCING (SD) 6-8 DOWNSLOPE OF LANDS TO BE DISTURBED FOR CONSTRUCTION OF THE SEDIMENT BASINS.

f.

CONSTRUCT SEDIMENT BASIN(S) GENERALLY IN ACCORDANCE WITH (SD) 6-4

g.

STABILISE LAND SURFACES DISTURBED BY CONSTRUCTION OF THE SEDIMENT BASIN(S) AS SOON AS FINAL LEVELS ARE ESTABLISHED

h.

CLEAR THE SITE AND STRIP AND STOCKPILE THE TOPSOIL IN THE LOCATIONS SHOWN ON THE PLAN OR AS DIRECTED BY THE SITE SUPERINTENDENT TO DETAIL (SD) 4-1.

i.

UNDERTAKE ALL ESSENTIAL CONSTRUCTION WORKS.

j.

GRADE LOT AREAS TO FINAL GRADES AND APPLY PERMANENT STABILISATION (LANDSCAPING) WITHIN 14 DAYS OF COMPLETION OF CONSTRUCTION WORKS.

k.

REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER THE PERMANENT LANDSCAPING HAS BEEN COMPLETED.
15.

CLEARLY VISIBLE BARRIER FENCING SHALL BE INSTALLED WHERE DIRECTED BY THE SITE SUPERINTENDENT TO CONTROL AND PROHIBIT UNNECESSARY SITE DISTURBANCE
16.

EARTH BATTERS SHALL BE CONSTRUCTED WITH AS LOW A GRADIENT AS PRACTICABLE BUT NO STEEPER THAN:-

a.

2(h) - 1(v) WHERE SLOPE LENGTH IS LESS THAN 7m

b.

2.5(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 7m AND 10m

c.

3(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 10m AND 12m

d.

4(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 12m AND 18m

e.

5(h) - 1(v) WHERE SLOPE LENGTH IS BETWEEN 18m AND 27m

f.

6(h) - 1(v) WHERE SLOPE LENGTH IS GREATER THAN 27m

SLOPE LENGTHS CAN BE SHORTENED BY USING LOW FLOW EARTH BANKS AS CATCH DRAINS ABOVE THE EARTH BATTER AREA.

17.

PROTECTION FROM EROSION FORCES SHALL BE UNDERTAKEN ON ALL LANDS. GROUND COVER TO BE IN PLACE WITHIN 10 WORKING DAYS FROM COMPLETION OF FORMATION AND BEFORE THEY ARE ALLOWED TO CARRY ANY CONCENTRATED FLOWS.
18.

TEMPORARY GROUND COVER SHOULD BE MINIMUM 70%. FOOT AND VEHICULAR TRAFFIC SHALL BE KEPT AWAY FROM REHABILITATED AREAS.
19.

WHERE POSSIBLE THE CONSTRUCTION PROGRAM IS TO SCHEDULE WORKS SUCH THAT LAND DISTURBANCE ACTIVITIES ARE COMPLETED IN LESS THAN 6 MONTHS. REVEGETATION WORKS MUST BE CARRIED OUT AS STIPULATED IN THE RELEVANT COUNCIL GUIDELINES / SPECIFICATIONS SUCH THAT A SATISFACTORY GROUND COVER IS PROVIDED TO AT LEAST 60% OF THE DISTURBED AREA WITHIN 10 DAYS AND AT LEAST 70% OF THE DISTURBED AREA WITHIN A FURTHER 60 DAYS..
20.

SEDIMENT FENCES (SD) 6-8 SHALL:-

a.

BE INSTALLED WHERE SHOWN ON THE PLAN AND AS DIRECTED AT THE DISCRETION OF THE SITE SUPERINTENDENT DURING THE COURSE OF CONSTRUCTION TO CONTAIN THE COARSER SEDIMENT FRACTIONS AS NEAR AS POSSIBLE TO THEIR SOURCE.

b.

HAVE A CATCHMENT AREA NOT EXCEEDING 720sq.m. AND A STORAGE DEPTH OF AT LEAST 0.6m.

c.

PROVIDE AN UPSLOPE RETURN OF 1m AT INTERVALS ALONG THE FENCE WHERE THE CATCHMENT AREA EXCEEDS 720sq.m. TO LIMIT THE DISCHARGE REACHING EACH SECTION TO 50litres/sec IN A MAX. 10yr Tc DISCHARGE.
21.

STOCKPILES (SD) 4-1 SHALL BE LOCATED AS SHOWN ON THE PLANS AND AT THE DISCRETION OF THE SITE SUPERINTENDENT.
22.

DURING WINDY WEATHER LARGE UNPROTECTED AREAS ARE TO BE KEPT MOIST (NOT WET) BY SPRINKLING WITH WATER TO KEEP DUST UNDER CONTROL. IN THE EVENT WATER IS NOT AVAILABLE IN SUFFICIENT QUANTITIES SOIL BINDERS AND/OR DUST RETARDANTS SHALL BE USED OR THE SURFACE SHALL BE LEFT IN A CLODDY STATE THAT RESISTS REMOVAL BY WIND.
23.

STOCKPILES SHALL NOT BE LOCATED WITHIN 5m OF HAZARD AREAS, INCLUDING LIKELY AREAS OF HIGH VELOCITY FLOWS SUCH AS WATERWAYS, PAVED AREAS OR DRIVEWAYS.
24.

THE SEDIMENT RETENTION BASINS (SD) 6-4 SHALL:-

a.

BE CONSTRUCTED WHERE SHOWN ON THE PLANS.

b.

BE FLOCCULATED (APPENDIX E MANAGING URBAN STORMWATER SOILS & CONSTRUCTION 4TH ED.) BEFORE DISCHARGE OCCURS (UNLESS THE DESIGN STORM EVENT IS EXCEEDED)

c.

HAVE ONE OR MORE PEGS PLACED ON THE FLOOR TO CLEARLY INDICATE THE LEVEL AT WHICH DESIGN CAPACITY OCCURS AND WHEN SEDIMENT SHALL BE REMOVED.
25.

STORED CONTENTS OF THE BASINS SHALL BE TREATED WITH GYPSUM (APPENDIX E MANAGING URBAN STORMWATER SOILS & CONSTRUCTION 4TH ED.) OR OTHER FLOCCULATING AGENTS WHERE THEY CONTAIN MORE THAN 50mg/litre OF SUSPENDED SOLIDS. TREATMENT SHALL BE AS FOLLOWS:-

a.

LOWER SUSPENDED SOLIDS TO LESS THAN 50mg/litre WITHIN 24hrs OF FILLING

b.

THE BASINS SHALL THEN BE ALLOWED TO STAND 36 TO 48hrs FOR FLOCCULATED PARTICLES TO SETTLE

c.

THE BASINS SHALL THEN BE DRAINED SO THAT FULL STORAGE CAPACITY IS REGAINED WITHOUT DISCHARGING SEDIMENT FROM THE SITE.
26.

SEDIMENT REMOVED FROM ANY TRAPPING DEVICE SHALL BE DISPOSED IN LOCATIONS WHERE FURTHER EROSION AND CONSEQUENT POLLUTION TO DOWNSLOPE LANDS AND WATERWAYS SHALL NOT OCCUR.
27.

WATER SHALL BE PREVENTED FROM DIRECTLY ENTERING THE PERMANENT DRAINAGE SYSTEM UNLESS IT IS RELATIVELY SEDIMENT FREE (ie THE CATCHMENT HAS BEEN LANDSCAPED AND/OR ANY LIKELY SEDIMENT HAS BEEN TREATED IN AN APPROVED DEVICE) NEVERTHELESS STORMWATER INLETS SHALL BE PROTECTED (SD) 6-11 & 6-12.
28.

TEMPORARY SOIL AND WATER MANAGEMENT STRUCTURES SHALL BE REMOVED ONLY AFTER THE LANDS THEY ARE PROTECTING ARE STABILISED.
29.

ACCEPTABLE BINS SHALL BE PROVIDED FOR ANY CONCRETE AND MORTAR SLURRIES, PAINTS, ACID WASHINGS, LIGHTWEIGHT WASTE MATERIALS AND LITTER. CLEARANCE SERVICES SHALL BE PROVIDED AT LEAST ONCE A WEEK.

STOCKPILE NOTES:

1.

SPOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREAS WHERE WATER MAY CONCENTRATE.
2.

IF STOCKPILES ARE TO BE IN PLACE FOR LONGER THAN 14 DAYS THEN THEY SHALL BE STABILIZED BY COVERING WITH A MULCH OR WITH TEMPORARY VEGETATION.
3.

FOLLOWING CONSTRUCTION, TOPSOIL SHALL BE RESPREAD TO A MINIMUM DEPTH OF 100mm ON THE BARE SOIL SURFACES AND REVEGETATED.

SEDIMENTATION CONTROL DEVICES:

1.

ALL STRAW BALES SHALL BE BOUND WITH WIRE. STRAW BALES SHALL BE PLACED END TO END IN A SINGLE ROW AND EMBEDDED INTO THE SOIL TO A DEPTH OF 100mm. EACH BALE SHALL BE SECURELY ANCHORED WITH TWO STEEL STAKES DRIVEN 600mm INTO THE GROUND AND LOOKED ON THE BALE CENTRELINE.
2.

SILT FENCES SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR SIMILAR) BETWEEN POSTS AT 2.5m CENTRES. FABRIC SHALL BE BURIED 150mm ALONG ITS LOWER EDGE.
3.

PROVIDE STRIP OF TURF MIN. 300mm WIDE BEHIND KERB + 1m WIDE AROUND ALL SURFACE INLET PITS

SITE INSPECTION AND MAINTENANCE:

1.

A SELF-AUDITING PROGRAM SHALL BE ESTABLISHED BASED ON A INSPECTION TEST PLAN (ITP) OR LOG BOOK. A SITE INSPECTION USING THE ITP SHALL BE MADE BY THE SITE MANAGER:-

a.

AT LEAST WEEKLY

b.

IMMEDIATELY BEFORE SITE CLOSURE

c.

IMMEDIATELY FOLLOWING RAINFALL EVENTS IN EXCESS OF 5mm IN ANY 24hr PERIOD.

THE SELF AUDIT SHALL INCLUDE:-

a.

RECORDING THE CONDITION OF EVERY 'BEST MANAGEMENT PRACTICE' EMPLOYED

b.

RECORDING MAINTENANCE REQUIREMENTS (IF ANY) FOR EACH 'BEST MANAGEMENT PRACTICE'

c.

RECORDING THE VOLUMES OF SEDIMENT REMOVED FROM SEDIMENT RETENTION SYSTEMS WHERE APPLICABLE

d.

RECORDING THE SITE WHERE SEDIMENT IS DISPOSED

e.

FORWARDING A SIGNED DUPLICATE OF THE COMPLETED CHECK SHEET TO THE PROJECT MANAGER/DEVELOPER FOR THEIR INFORMATION.

2.

IN ADDITION A SUITABLY QUALIFIED PERSON SHALL BE RESPONSIBLE FOR OVERSEEING THE INSTALLATION AND MAINTENANCE OF ALL SOIL AND WATER MANAGEMENT WORKS ON THE SITE. THE PERSON SHALL BE REQUIRED TO SPEND A MINIMUM OF:-

a.

2hrs ONSITE EACH FORTNIGHT UP UNTIL COMPLETION OF ROAD AND DRAINAGE WORKS AND/OR THE COMMISSIONING OF SEDIMENT BASIN(S)/WATER QUALITY CONTROL FACILITIES, AND DURING THE DECOMMISSIONING OF SAME AND/OR FINAL SITE STABILISATION. TO PROVIDE A SHORT MONTHLY WRITTEN REPORT.

b.

ONE HOUR ONSITE EACH 2 MONTHS DURING THAT PHASE WHERE THE DEVELOPERS RESPONSIBILITIES ARE LIMITED TO MAINTENANCE OF THE SDS DEVICES AND/OR SEDIMENT BASINS (ie DURING THE STAGE WHEN BUILDING WORKS CAN BE UNDERTAKEN) TO PROVIDE A SHORT WRITTEN REPORT EACH 4 MONTHS

THE RESPONSIBLE PERSON SHALL ENSURE THAT:-

a.

THIS PLAN IS BEING IMPLEMENTED CORRECTLY

b.

REPAIRS ARE BEING UNDERTAKEN AS REQUIRED

c.

ESSENTIAL MODIFICATIONS TO THIS PLAN ARE BEING MADE IF AND WHEN NECESSARY. EACH REPORT SHALL CERTIFY THAT WORKS HAVE BEEN CARRIED OUT ACCORDING TO THE APPROVED PLANS.

3.

WASTE BINS SHALL BE EMPTIED AS NECESSARY, DISPOSAL OF WASTE SHALL BE IN A MANNER APPROVED BY THE SITE SUPERINTENDENT

4.

PROPER DRAINAGE OF THE SITE SHALL BE MAINTAINED. DRAINS (INCLUDING INLET AND OUTLET WORKS) SHALL BE CHECKED TO ENSURE THAT THEY ARE OPERATING AS INTENDED, ESPECIALLY THAT:-

a.

NO LOW POINTS EXIST WHICH CAN OVERTOP IN A LARGE STORM EVENT.

b.

AREAS OF EROSION ARE REPAIRED (ie g LINED WITH SUITABLE MATERIAL) AND/OR VELOCITY OF FLOW IS REDUCED APPROPRIATELY THROUGH CONSTRUCTION OF SMALL CHECK DAMS OR INSTALLING ADDITIONAL DIVERSIONS UPSLOPE

c.

BLOCKAGES ARE CLEARED (THESE MIGHT OCCUR BECAUSE OF SEDIMENT POLLUTION, SAND/SOIL/SPOIL BEING DEPOSITED IN OR TOO CLOSE TO THEM, BREACHED BY VEHICLE WHEELS etc)

5.

SAND/SOIL/SPOIL MATERIALS PLACED CLOSER THAN 2m FROM HAZARD AREAS SHALL BE REMOVED SUCH HAZARD AREAS INCLUDE ANY AREAS OF HIGH VELOCITY WATER FLOWS (eg WATERWAYS AND GUTTERS) PAVED AREAS AND DRIVEWAYS.

6.

RECENTLY STABILISED LANDS SHALL BE CHECKED TO ENSURE THAT THE EROSION HAZARD HAS BEEN EFFECTIVELY REDUCED. ANY REPAIRS SHALL BE INITIATED AS APPROPRIATE.

7.

EXCESSIVE VEGETATIVE GROWTH SHALL BE CONTROLLED THROUGH MOWING OR SLASHING.

8.

ALL SEDIMENT DETENTION SYSTEMS SHALL BE KEPT IN GOOD WORKING CONDITION. IN PARTICULAR ATTENTION SHALL BE GIVEN TO:-

a.

RECENT WORKS TO ENSURE THAT THEY HAVE NOT RESULTED IN DIVERSION OF SEDIMENT LADEN WATER AWAY FROM THEM.

b.

DEGRADABLE PRODUCTS TO ENSURE THAT THEY ARE REPLACED AS REQUIRED

c.

SEDIMENT REMOVAL TO ENSURE THE DESIGN CAPACITY OR LESS REMAINS IN THE SETTLING ZONE.

9.

ADDITIONAL EROSION AND/OR SEDIMENT CONTROL WORKS SHALL BE CONSTRUCTED AS MIGHT BECOME NECESSARY TO ENSURE THE DESIRED PROTECTION IS GIVEN TO DOWNSLOPE LANDS AND WATERWAYS (ie MAKE ONGOING CHANGES TO THIS PLAN WHERE IT PROVES INADEQUATE IN PRACTICE OR IS SUBJECTED TO CHANGES IN CONDITIONS AT THE WORKS SITE OR ELSEWHERE IN THE CATCHMENT.

10.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN A FUNCTIONING CONDITION UNTIL ALL EARTHWORKS ACTIVITIES ARE COMPLETED AND THE SITE STABILISED.

11.

WATERS IN SEDIMENT RETENTION BASIN(S) THAT OCCUPY MORE THAN 1/4 OF THE DESIGN CAPACITY DURING THAT STAGE OF THE WORKS UP UNTIL COMMISSIONING OF THE BASIN(s) SHALL BE:-

a.

TREATED WITH A FLOCCULATING AGENT (APPENDIX E MANAGING URBAN STORMWATER SOILS & CONSTRUCTION 4TH ED.)

b.

DISCHARGED WITHIN 5 days FROM THE CONCLUSION OF ANY STORM EVENT LARGE ENOUGH TO FILL THE BASIN TO THAT LEVEL.

12.

LITTER, DEBRIS AND COARSE SEDIMENT SHALL BE REMOVED FROM THE GROSS POLLUTANT TRAPS AND TRASH RACKS AS REQUIRED.

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3	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22	
2	ISSUED FOR DA SUBMISSION	GA	AS	MS	DJ	30/06/20	
1	CONSULTANT ISSUE	GA	JM	MS	DJ	01/06/20	
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**TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN**
SOIL & WATER MANAGEMENT NOTES

PROJECT No:

110500-04

SHEET No:

DA603

AZIMUTH: M.G.A.

DATUM: A.H.D.

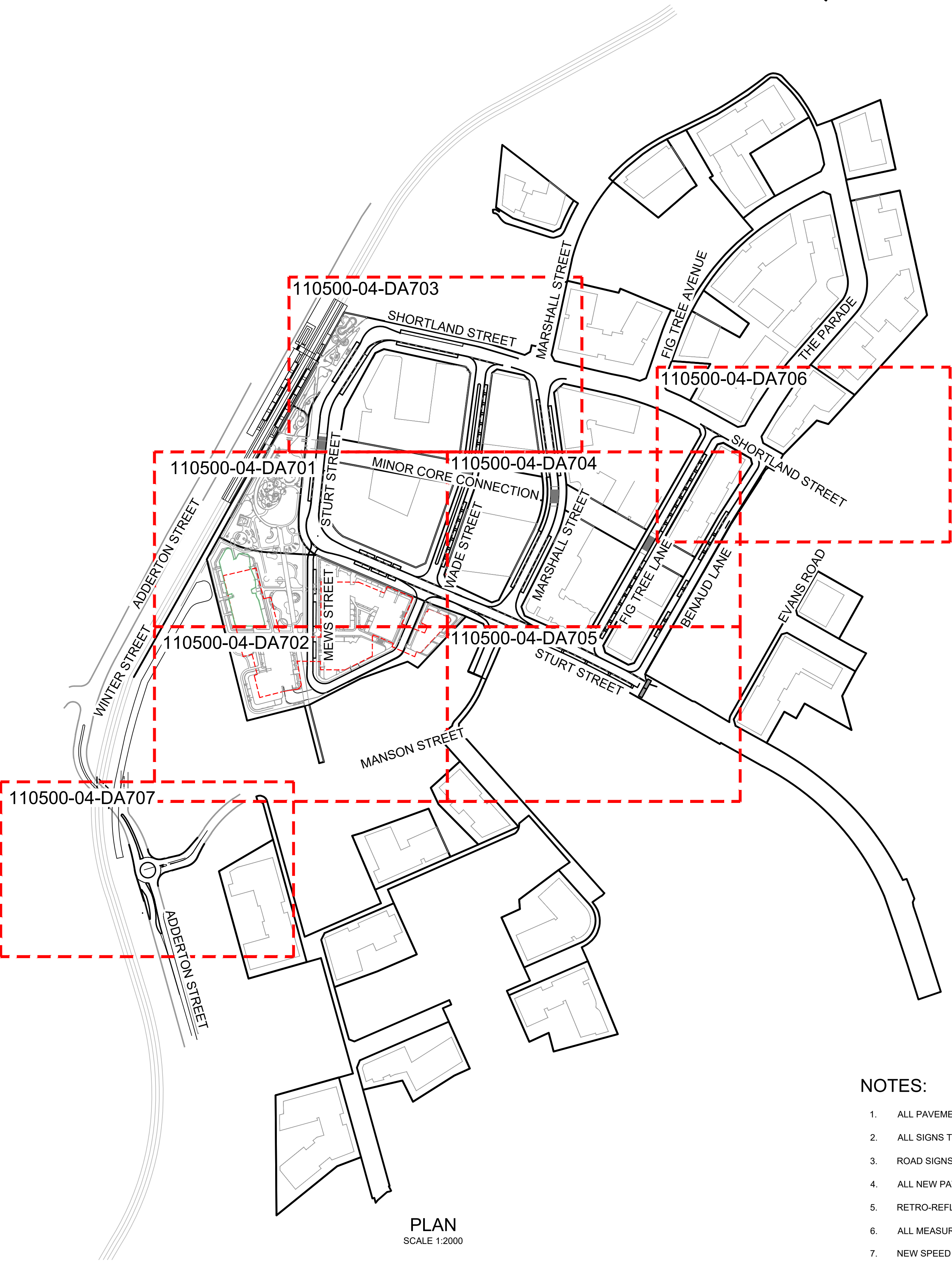
ORIGIN: SSM 1112

PLAN No:

110500-04-DA603

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Plotted: 13 September, 2023 10:29:33 AM File Name: \\110500 - Telopea Urban Renewal\\CDDA Concept DA - Masterplan\\110500-04-DA700.dwg



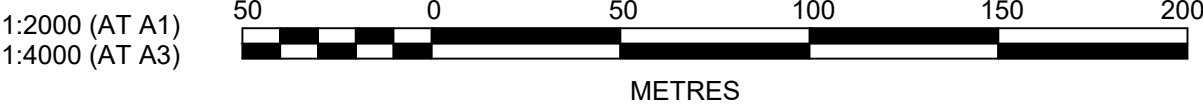
PLAN
SCALE 1:2000

NOTES:

- ALL PAVEMENT MARKINGS, CHEVRONS AND REFLECTORS ARE TO BE IN ACCORDANCE WITH AUSTRROADS GUIDE (GUIDE TO TRAFFIC MANAGEMENT) AND AUSTRALIAN STANDARD AS1742, AS1743 AND AS2890.
- ALL SIGNS TO BE IN ACCORDANCE WITH CURRENT AUSTRALIAN STANDARD AS 1743 - ROAD SIGNS, RMS SUPPLEMENTS AND COUNCIL'S SPECIFICATIONS UNLESS STATED OTHERWISE.
- ROAD SIGNS ARE SIZE 'A', UNLESS OTHERWISE SHOWN.
- ALL NEW PAVEMENT MARKINGS ARE TO BE INSTALLED IN WHITE REFLECTIVE, THERMOPLASTIC PAINT.
- RETRO-REFLECTIVE RAISED PAVEMENT MARKERS (RRPMs) ARE TO BE USED TO SUPPLEMENT PAVEMENT MARKINGS FOR INCREASED EFFECTIVENESS.
- ALL MEASUREMENTS ARE IN METRES UNLESS SHOWN OTHERWISE. KERBSIDE LANE WIDTH MEASURED FROM FACE OF KERB. NO INFORMATION IS TO BE SCALED FROM THESE DRAWINGS.
- NEW SPEED LIMIT SIGNS TO BE ERECTED.

PAVEMENT MARKING SCHEDULE

CODE	USE	STYLE	COLOUR & TYPE
E1	EDGE LINE FOR GENERAL PURPOSE		REFLECTORISED WHITE
E4	OUTLINE OF TRAFFIC ISLAND OR FREEWAY RAMP GORE		REFLECTORISED WHITE TYPE 'Y' OR 'R' PAVEMENT MARKERS MONO-DIRECTIONAL REFLECTIVE YELLOW OR RED
BB	BARRIER LINE WHERE SIGHT IS RESTRICTED IN BOTH DIRECTIONS OR APPROACH TO MEDIAN ISLAND		REFLECTORISED WHITE TYPE 'YY' PAVEMENT MARKERS BI-DIRECTIONAL REFLECTIVE YELLOW
TB	GIVE WAY LINE		REFLECTORISED WHITE.
TB1	BROKEN LINE		REFLECTORISED WHITE.
E7	EDGE LINE FOR OFF-ROAD BICYCLE PATHS AND SHARED PATHS		REFLECTORISED WHITE
S5	OFF-ROAD BROKEN SEPARATION LINE FOR STRAIGHT PATH SECTIONS		REFLECTORISED WHITE
PCW	PEDESTRIAN CROSS WALK LINES		REFLECTORISED WHITE
L2	LANE LINE (PROFILE) ON MOTORWAYS, DUAL CARRIAGEWAYS OR ON SPECIAL LOCATIONS SUCH AS BRIDGES (APPROVAL NEEDED OF GM TRAFFIC MANAGEMENT)		REFLECTORISED WHITE
C1	DEFINES EDGES OF THROUGH CARRIAGEWAY TO TURNING LANE, FREEWAY RAMP, BUS BAY AND START OR FINISH OF AUXILIARY LANE		REFLECTORISED WHITE TYPE 'W' PAVEMENT MARKERS MONO-DIRECTIONAL REFLECTIVE YELLOW
C3	KERBSIDE LINEMARKING FOR NO STOPPING RESTRICTIONS		REFLECTORISED WHITE
TF	STOP LINE AT TRAFFIC SIGNALS		REFLECTORISED WHITE
T1	DEFINES TURNING PATHS AT COMPLEX INTERSECTIONS		REFLECTORISED WHITE
L3	LANE LINE ON MULTI LANE ROAD		REFLECTORISED WHITE



3	ADDERTON RD & STURT ST UPDATED	GA	GA	MS	MS	13/09/23
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**TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN**
SIGNAGE & LINEMARKING LAYOUT PLAN
& NOTES

AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 110500-04-DA700

PROJECT No:

110500-04

SHEET No:

DA700

NOTES:

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3. ROAD SIGNS ARE SIZE 'A', UNLESS OTHERWISE SHOWN.
4. ALL NEW PAVEMENT MARKINGS ARE TO BE INSTALLED IN WHITE REFLECTIVE, THERMOPLASTIC PAINT.
5. RETRO-REFLECTIVE RAISED PAVEMENT MARKERS (RRPMs) ARE TO BE USED TO SUPPLEMENT PAVEMENT MARKINGS FOR INCREASED EFFECTIVENESS.
6. ALL MEASUREMENTS ARE IN METRES UNLESS SHOWN OTHERWISE. KERBSIDE LANE WIDTH MEASURED FROM FACE OF KERB. NO INFORMATION IS TO BE SCALED FROM THESE DRAWINGS.
7. NEW SPEED LIMIT SIGNS TO BE ERECTED.



PLAN
SCALE 1:300

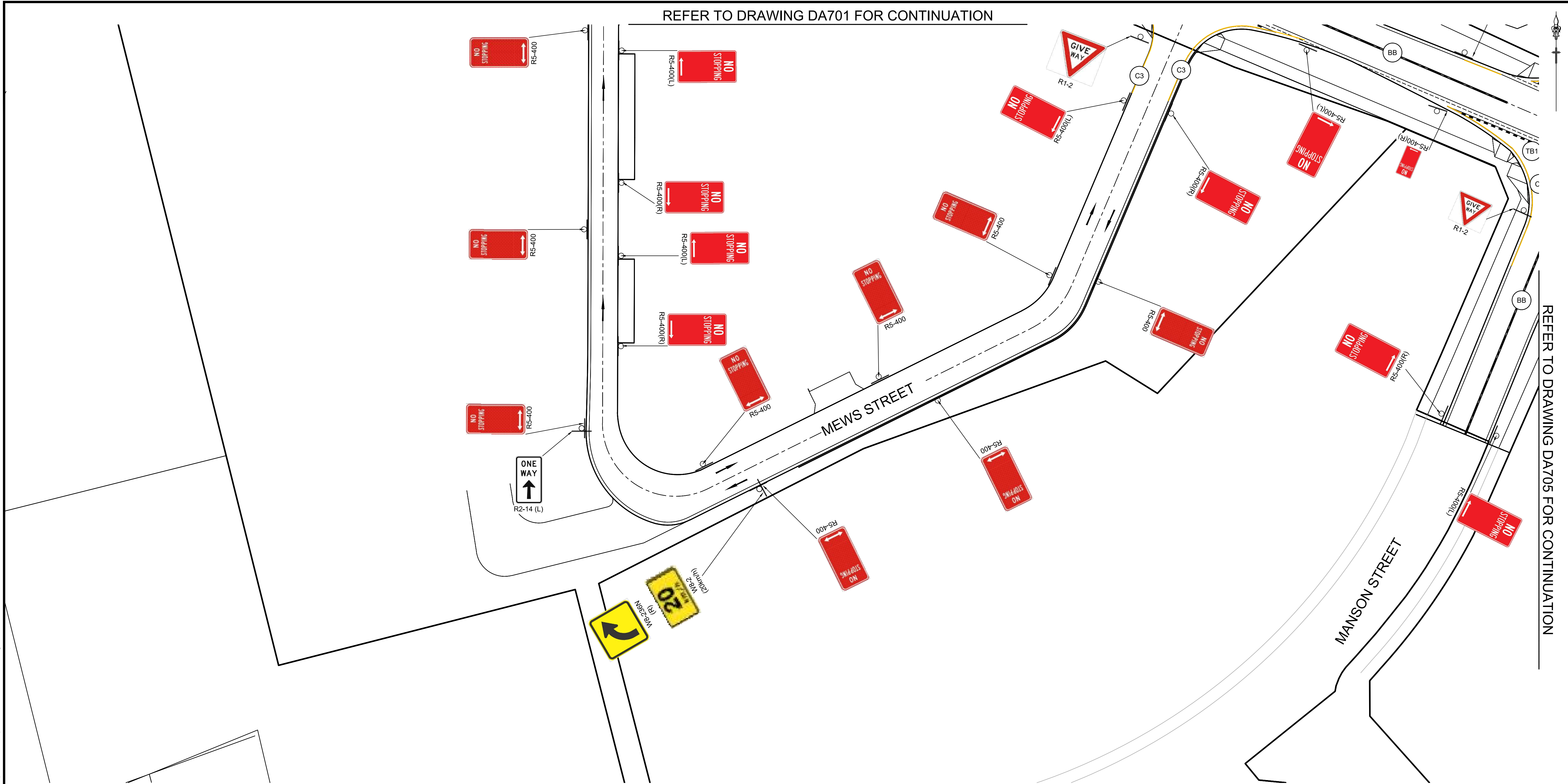
REFER TO DRAWING DA702 FOR CONTINUATION



6	NEW LINK RD REMOVED; SIGNAGE & LM UPDATED	GA	GA	MS	MS	13/09/23
5	STURT STREET INTERSECTION UPDATED	KE	GA	MS	MS	22/03/23
4	NEW LINK ROAD UPDATED	GA	EJ	MS	MS	08/11/22
3	COUNCIL COMMENTS	GA	GA	MS	MS	29/09/22
2	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
1	CONSULTANT ISSUE	GA	NM	MS	DJ	23/02/22
	AMENDMENT	DES	DRN	CKD	APR	DATE

 <p>J. WYNDHAM PRINCE CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS</p> <p>PO Box 4366 PENRITH WESTFIELD NSW 2750 P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au</p>	 <p>FRASERS PROPERTY</p>	<p>CLIENT:</p> <p>STATUS:</p> <p>ISSUE FOR DA APPROVAL</p> <p>NOT FOR CONSTRUCTION</p> <p><small>THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.</small></p>	<p>TELOPEA URBAN RENEWAL PROJECT MASTERPLAN SIGNAGE & LINEMARKING DETAIL PLAN SHEET 1</p>				<p>PROJECT No:</p> <p>110500-04</p>
							<p>SHEET No:</p> <p>DA701</p>
			<p>AZIMUTH: M.G.A.</p>	<p>DATUM: A.H.D.</p>	<p>ORIGIN: SSM 1112</p>	<p>PLAN No: 110500-04-DA701</p>	<p>6</p>

Plotted: 13 September, 2023 10:30:16 AM File Name: \\110500 - Telopea Urban Renewal\\CDDA\\Concept DA - Masterplan\\110500-04-DA702.dwg



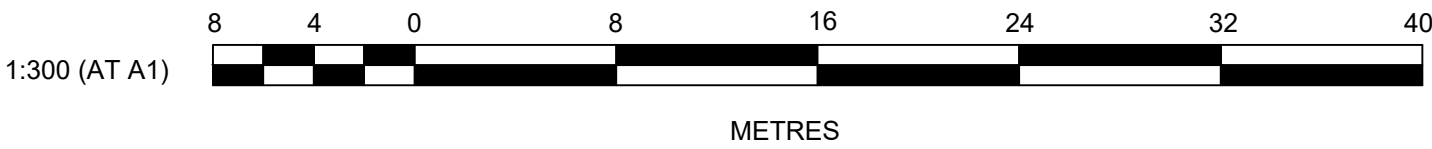
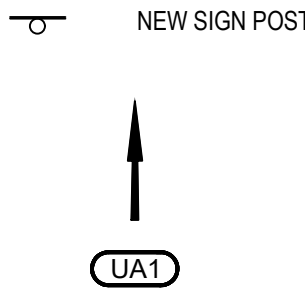
PLAN
SCALE 1:300

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THESE SIGNAGE AND LINEMARKING
PLANS ARE SUBJECT TO APPROVAL
BY THE PARRAMATTA CITY COUNCIL
TRAFFIC COMMITTEE

LEGEND



3	COUNCIL COMMENTS	GA	GA	MS	MS	29/09/22
2	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
1	CONSULTANT ISSUE	GA	NM	MS	DJ	23/02/22
	AMENDMENT	DES	DRN	CKD	APR	DATE

J. WYNDHAM PRINCE
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P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

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STATUS:

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DA APPROVAL**

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
SIGNAGE & LINEMARKING DETAIL PLAN
SHEET 2

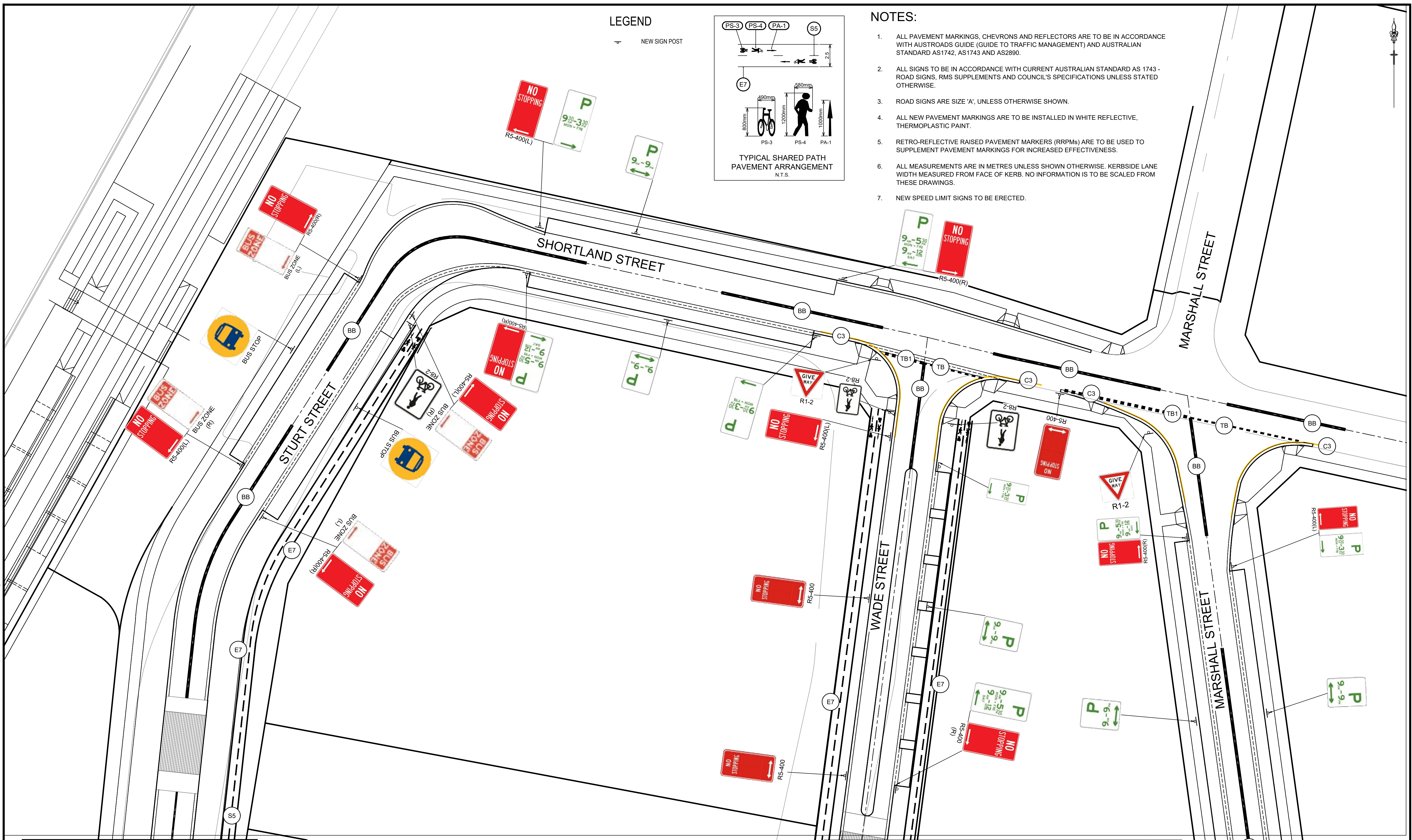
AZIMUTH: M.G.A. DATUM: A.H.D. ORIGIN: SSM 1112 PLAN No: 110500-04-DA702

PROJECT No:
110500-04

SHEET No:
DA702

3

Plotted: 13 September, 2023 10:30:42 AM File Name: J:\110500 - Telopea Urban Renewal\CD\DA Concept DA - Masterplan\110500-04-DA703.dwg

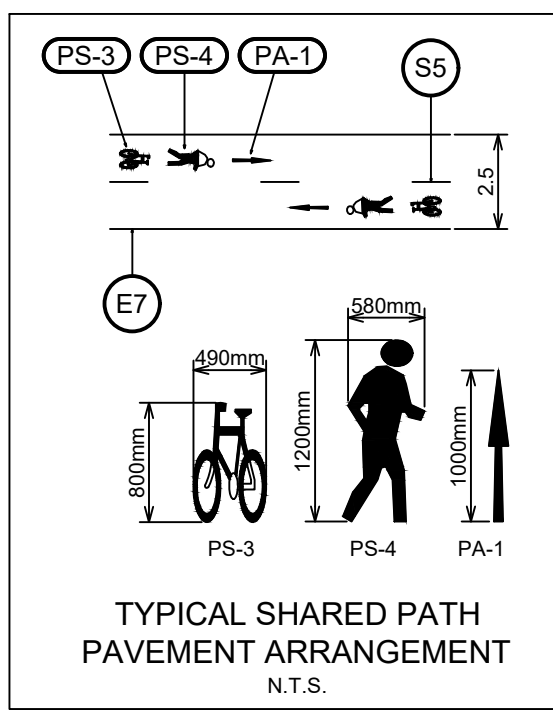


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- 7. NEW SPEED LIMIT SIGNS TO BE ERECTED.

LEGEND

NEW SIGN POST

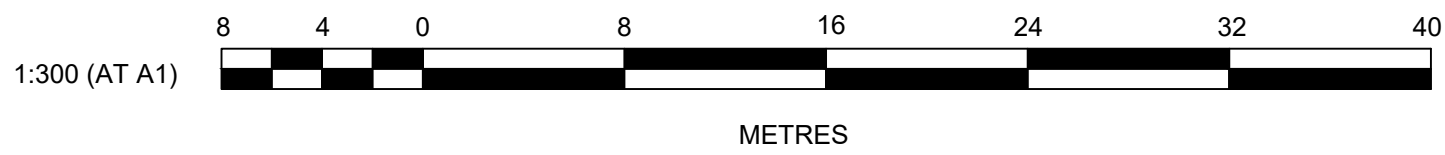


TYPICAL SHARED PATH PAVEMENT ARRANGEMENT N.T.S.

PLAN SCALE 1:300

REFER TO DRAWING DA701 & 704 FOR CONTINUATION

THESE SIGNAGE AND LINEMARKING PLANS ARE SUBJECT TO APPROVAL BY THE PARRAMATTA CITY COUNCIL TRAFFIC COMMITTEE



3	COUNCIL COMMENTS	GA	GA	MS	MS	29/09/22
2	COUNCIL COMMENTS	GA	EJ	MS	DJ	08/03/22
1	CONSULTANT ISSUE	GA	NM	MS	DJ	23/02/22
	AMENDMENT	DES	DRN	CKD	APR	DATE

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P 02 4720 3300 W www.jwprince.com.au E jwp@jwprince.com.au

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STATUS: **ISSUE FOR DA APPROVAL**
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TELOPEA URBAN RENEWAL PROJECT MASTERPLAN SIGNAGE & LINEMARKING DETAIL PLAN SHEET 3				PROJECT No: 110500-04
				SHEET No: DA703
AZIMUTH: M.G.A.	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 110500-04-DA703	3

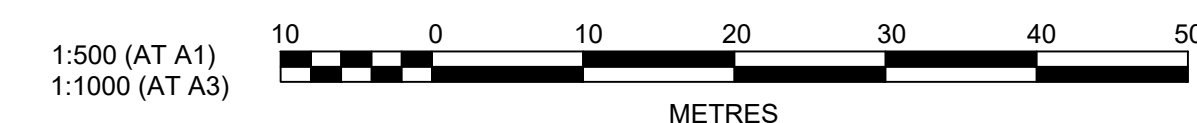
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STATUS

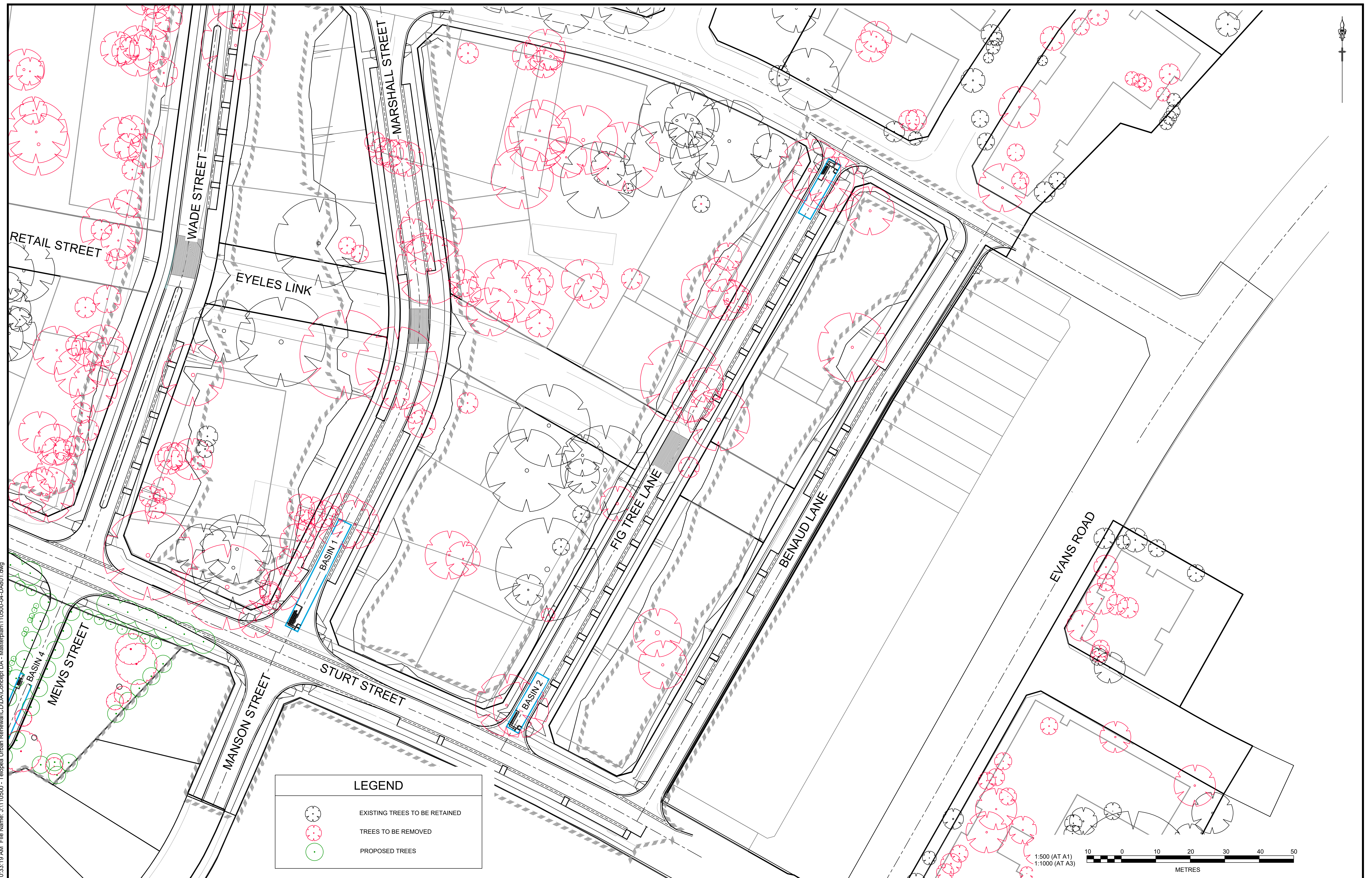
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PROJECT No: 110500-04	
SHEET No: DA800	
4-DA800	3



3	COUNCIL COMMENTS	GA	GA	MS	MS
2	COUNCIL COMMENTS	GA	EJ	MS	DJ
1	CONSULTANT ISSUE	GA	NM	MS	DJ
	AMENDMENT	DES	DRN	CKD	APR
					DATE

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TELOPEA URBAN RENEWAL PROJECT
MASTERPLAN
TREE REMOVAL PLAN
SHEET 2

PROJECT No: 110500-04
SHEET No: DA801

AZIMUTH: M.G.A.	DATUM: A.H.D.	ORIGIN: SSM 1112	PLAN No: 110500-04-DA801	3
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