



# CITY OF PARRAMATTA COUNCIL

## TOONGABBIE LOCAL ROAD ENHANCEMENT DETAILED DESIGN AND DOCUMENTATION

### 80% DETAILED DESIGN



LOCALITY PLAN  
NTS

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<b>REFERENCES:</b> -MPT-DE-M3D-??	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.	SCALE: AS SHOWN	CLIENT:	<small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small>	CITY OF PARRAMATTA COUNCIL <b>TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</b>																				
			PREPARED FOR:		GENERAL COVER SHEET																				
				DRAWN _____ H.KARBALAEI SADEGH _____ 06.03.26 DESIGNED _____ S.PIYASENA _____ 06.03.26 DRG CHECK _____ K.CURLEY _____ 06.03.26 DESIGN CHECK _____ G.TASDEMIR _____ 06.03.26 PROJ/DES MNGR _____ D.ATKINSON _____ 06.03.26 APPROVED _____ D.ATKINSON _____ 06.03.26	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">DRAWING SET No:</td> <td>PART:</td> <td>SHEET: 01 OF 01</td> <td>A1</td> </tr> <tr> <td colspan="2">STATUS: 80% DETAILED DESIGN</td> <td colspan="3">BRIDGE No: _____</td> </tr> <tr> <td>DRG No.</td> <td>REV</td> <td>VER</td> <td>EDMS No.</td> <td>AMD No.</td> </tr> <tr> <td>305001822-STN-00-200-GN-DRG-000001</td> <td>00</td> <td>0</td> <td></td> <td></td> </tr> </table>	DRAWING SET No:		PART:	SHEET: 01 OF 01	A1	STATUS: 80% DETAILED DESIGN		BRIDGE No: _____			DRG No.	REV	VER	EDMS No.	AMD No.	305001822-STN-00-200-GN-DRG-000001	00	0		
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	COORDINATE SYSTEM: GDA1994 MGA56	HEIGHT DATUM: AHD	DESIGN LOT CODE:																						

FILE NAME: 305001822-STN-00-200-GN-DRG-000001.dwg  
PLOT DATE & TIME: 06/03/2026 4:19:24 PM




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GENERAL	
305001822-STN-00-200-GN-DRG-000001	COVER SHEET
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305001822-STN-00-200-SD-DRG-001003	UTILITIES PLAN - SHEET 3
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305001822-STN-00-200-SD-DRG-001005	UTILITIES PLAN - SHEET 5

DRAWING INDEX	
PAVEMENT	
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305001822-STN-00-200-PV-DRG-001002	PLAN - SHEET 2
305001822-STN-00-200-PV-DRG-001003	PLAN - SHEET 3
305001822-STN-00-200-PV-DRG-001004	PLAN - SHEET 4
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ROAD FURNITURE, SIGNPOSTING AND PAVEMENT MARKING	
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305001822-STN-00-200-FN-DRG-001002	PLAN - SHEET 2
305001822-STN-00-200-FN-DRG-001003	PLAN - SHEET 3
305001822-STN-00-200-FN-DRG-001004	PLAN - SHEET 4
305001822-STN-00-200-FN-DRG-001005	PLAN - SHEET 5
MISCELLANEOUS	
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305001822-STN-00-200-MS-DRG-000104	TURN PATH PLAN DESIGN VEHICLE - SHEET 4
305001822-STN-00-200-MS-DRG-000105	TURN PATH PLAN DESIGN VEHICLE - SHEET 5
305001822-STN-00-200-MS-DRG-000106	TURN PATH PLAN DESIGN VEHICLE - SHEET 6
305001822-STN-00-200-MS-DRG-000111	TURN PATH PLAN CHECK VEHICLE - SHEET 1
305001822-STN-00-200-MS-DRG-000112	TURN PATH PLAN CHECK VEHICLE - SHEET 2
305001822-STN-00-200-MS-DRG-000113	TURN PATH PLAN CHECK VEHICLE - SHEET 3

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**GENERAL**

- DRAWINGS TO BE READ IN CONJUNCTION WITH ALL OTHER SPECIFICATIONS FOR THE PROJECT.
- LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
- CO-ORDINATES ARE TO MAP GRID AUSTRALIA GDA94 / MGA (ZONE 56).
- ALL DIMENSIONS ARE IN METRES U.N.O. ALL LEVELS, METRAGES, STATIONS AND CO-ORDINATES ARE EXPRESSED IN METRES.
- SERVICES ARE SHOWN INDICATIVE ONLY. CONTRACTORS TO CONFIRM LOCATION OF ALL SERVICES PRIOR TO COMMENCING WORK. CONTRACTOR TO ENSURE ADOPTED METHOD OF CONSTRUCTION WILL AVOID DAMAGE TO ALL SERVICES.
- ALL WORK TO BE UNDERTAKEN IN ACCORDANCE WITH THE LATEST VERSION OF TNSW STANDARDS AT THE TIME OF TENDER UNLESS NOTED OTHERWISE.
- WHERE PROPRIETARY PRODUCTS OR COMPONENTS ARE SPECIFIED ON DRAWINGS, THE CONTRACTOR MAY PROPOSE ALTERNATIVES PROVIDED THEY ARE EQUIVALENT, SATISFY SPECIFICATION REQUIREMENTS AND APPROVED BY THE PRINCIPAL.

**SAFETY IN DESIGN INFORMATION**

- THESE DRAWINGS ARE TO READ IN CONJUNCTION WITH TNSW TS02338.1 (G22). THIS DOCUMENT LISTS SOME DESIGN RELATED WORK HEALTH AND SAFETY HAZARDS ASSOCIATED WITH THE PROJECT DESIGN. CONSTRUCTION AND OPERATION THERE MAY BE OTHER HAZARDS ASSOCIATED WITH THE PROJECT DESIGN. CONSTRUCTION AND OPERATION THERE MAY BE OTHER HAZARDS AND RISKS NOT STATED IN THIS DOCUMENT. THIS DOCUMENT DOES NOT RELIEVE THE CONTRACTOR OF ITS OBLIGATIONS UNDER THE CONTRACT AND RELEVANT LEGISLATION.

**UTILITIES**

- IN ORDER TO AVOID DAMAGE TO THE UTILITIES THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CO-ORDINATION OF THE WORKS ADJACENT TO ANY UTILITY WITH THE RELEVANT UTILITY AUTHORITY IN ACCORDANCE WITH THE AUTHORITY REQUIREMENTS.
- THE CONTRACTOR SHALL CO-ORDINATE WITH THE RELEVANT UTILITY AUTHORITIES AND THE PRINCIPAL WITH RESPECT TO ANY TEMPORARY DIVERSIONS NECESSARY FOR CONSTRUCTION STAGING WORKS.
- PRIOR TO THE START OF EXCAVATION, ALL PROPOSED TEMPORARY EXCAVATIONS FOR UTILITIES NEAR CUT OR FILL BATTERS ARE TO BE ASSESSED ON SITE BY AN EXPERIENCED ENGINEERING GEOLOGIST OR GEOTECHNICAL ENGINEER FOR THEIR POTENTIAL IMPACT ON BATTER STABILITY DURING CONSTRUCTION.
- LOCATION AND LEVEL OF ALL SERVICES CROSSING PROPOSED DRAINAGE MUST BE OBTAINED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ALL LEVELS MUST BE CHECKED FOR CONFLICT WITH ANY SERVICES, AND ANY CONFLICTS TO BE RESOLVED WITH THE ENGINEERING MANAGER.

**ENVIRONMENTAL CONSIDERATIONS**

- REFER TO TNSW TS01450.1 (G36) AND TS01451.1 (G38) FOR ENVIRONMENTAL CONSIDERATIONS.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR THE DESIGN, IMPLEMENTATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROLS REQUIRED DURING THE WORKS.

**SIGNAGE**

- THE SCALE OF SIGNPOST AND SIGNFACE SYMBOLS ARE INDICATIVE ONLY.
- LOCATION OF ALL UTILITIES SERVICES ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.
- ALL SIGNPOST FOOTINGS CONSTRUCTED BY THE CONTRACTOR MUST NOT CONFLICT WITH UTILITIES, DRAINAGE AND SUBSURFACE DRAINAGE PIPES.
- SIGNS TO BE INSTALLED IN ACCORDANCE WITH TNSW SIGN REGISTER, TNSW SPECIFICATIONS, AUSTRALIAN STANDARDS AND TNSW SUPPLEMENTS.
- CONDITION ASSESSMENT IS TO BE UNDERTAKEN ON ALL EXISTING SIGN FACES TO BE RELOCATED PRIOR TO BEING REUSED. TNSW ACCEPTANCE MUST BE SOUGHT FOR THE REUSE OF ANY EXISTING SIGNS.
- TO ELIMINATE EXCESSIVE GLARE FROM THE SURFACE OF A SIGN, IT SHOULD BE TURNED APPROXIMATELY 5° AWAY FROM NORMAL TO THE HEADLIGHT BEAM/LINE OF SIGHT.
- ALL SIGNS RETAINED TO BE CLEAR OF VEGETATION AND OBSTRUCTIONS.
- ALL SIGN BACKGROUNDS AND LEGENDS TO BE USING COLOUR AND GRADE CONFORMING TO TNSW SPECIFICATION AND AUSTRALIAN CLASS 1 REFLECTIVE STANDARDS.
- EXISTING SIGNAGE TO BE MAINTAINED UNLESS OTHERWISE SHOWN. WHERE EXISTING SIGNS TO BE RETAINED ARE DAMAGED, SIGN IS TO BE REINSTATED OR REPLACED.
- ALL NEW SIGNS SHALL BE INSTALLED SUCH THAT THEY DO NOT OBSTRUCT LINES OF SIGHT.

**LINEMARKING**

- NEW PAVEMENT MARKERS TO MATCH INTO EXISTING LINES AT LIMIT OF PAVEMENT WORKS UNLESS NOTED OTHERWISE.
- PAVEMENT MARKINGS THAT DO NOT FORM PART OF THE FINAL DESIGN AND THOSE NOTED FOR REMOVAL MUST BE REMOVED.
- RETROREFLECTIVE PAVEMENT MARKERS (RRPM) SHALL BE PLACED ON ALL LANE LINES, DIVIDING LINES AND EDGE LINES.
- RRPM COLOUR SCHEME:
  - WHITE RRPMS ARE TO BE USED TO AUGMENT THE LANE LINES.
  - YELLOW RRPMS ARE USED TO AUGMENT THE DIVIDING LINES (SEPARATING OPPOSING TRAFFIC), RIGHT HAND EDE LINES OF ONE-WAY CARRIAGEWAYS, THE OUTLINE OF TRAFFIC ISLANDS AND PAINTED MEDIANS.




**TABLE 1 - RRPMS SPACING**

LINE TYPE	SPACING
LANE LINES, DIVIDING LINES AND EDGE LINES	24m NORMAL SPACING
	12m AT SUBSTANDARD CURVES
	12m AT CURVES WITH 400m RADIUS OR LESS
	12m FOR (B) LINES APPROACHING MEDIAN ENDS AND PAINTED MEDIAN

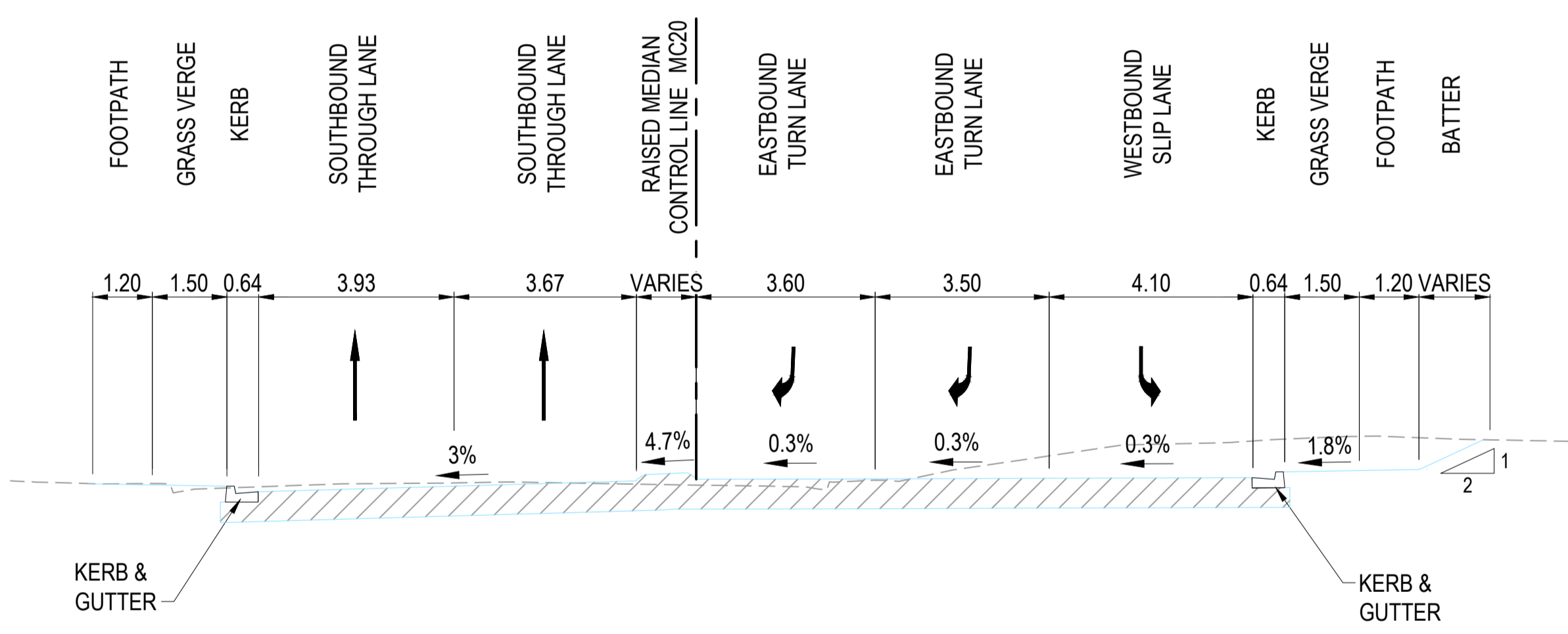
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SECTION 5  
SCALE 1:100  
RW-001002

MC20 CH167

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GDA2020		HEIGHT DATUM: AHD	

SCALE: AS SHOWN

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

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**Stantec**

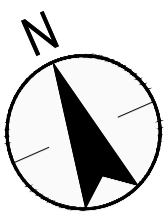
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DESIGNED	S.PIYASENA	06.03.26
DRG CHECK	K.CURLEY	06.03.26
DESIGN CHECK	G.TASDEMIR	06.03.26
PROJ/DES MNGR	D. ATKINSON	06.03.26
APPROVED	D. ATKINSON	06.03.26

CITY OF PARRAMATTA COUNCIL  
TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
DESIGN AND DOCUMENTATION

ROAD ALIGNMENT AND DETAIL  
TYPICAL CROSS SECTIONS - SHEET 2

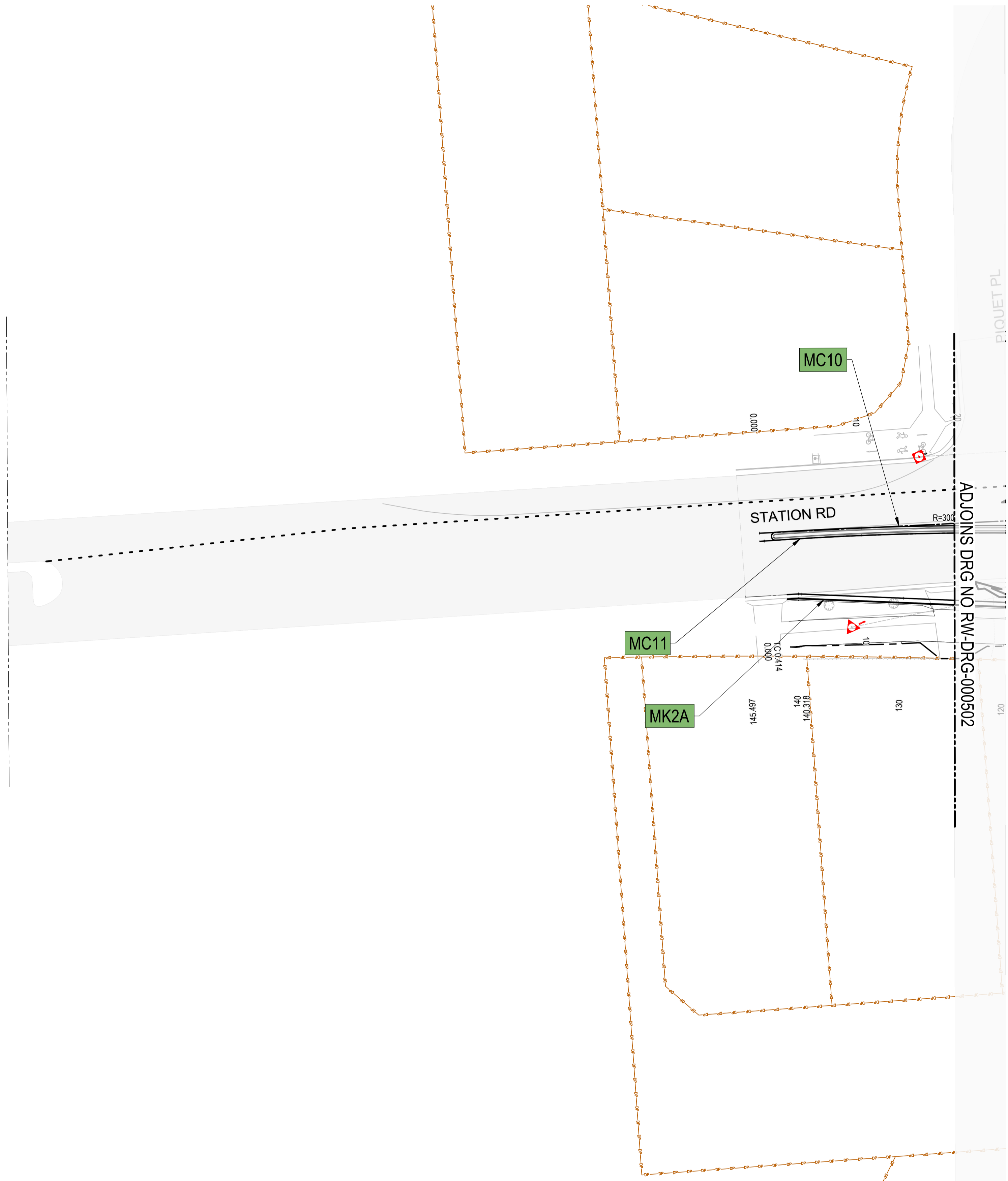
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**LEGEND**

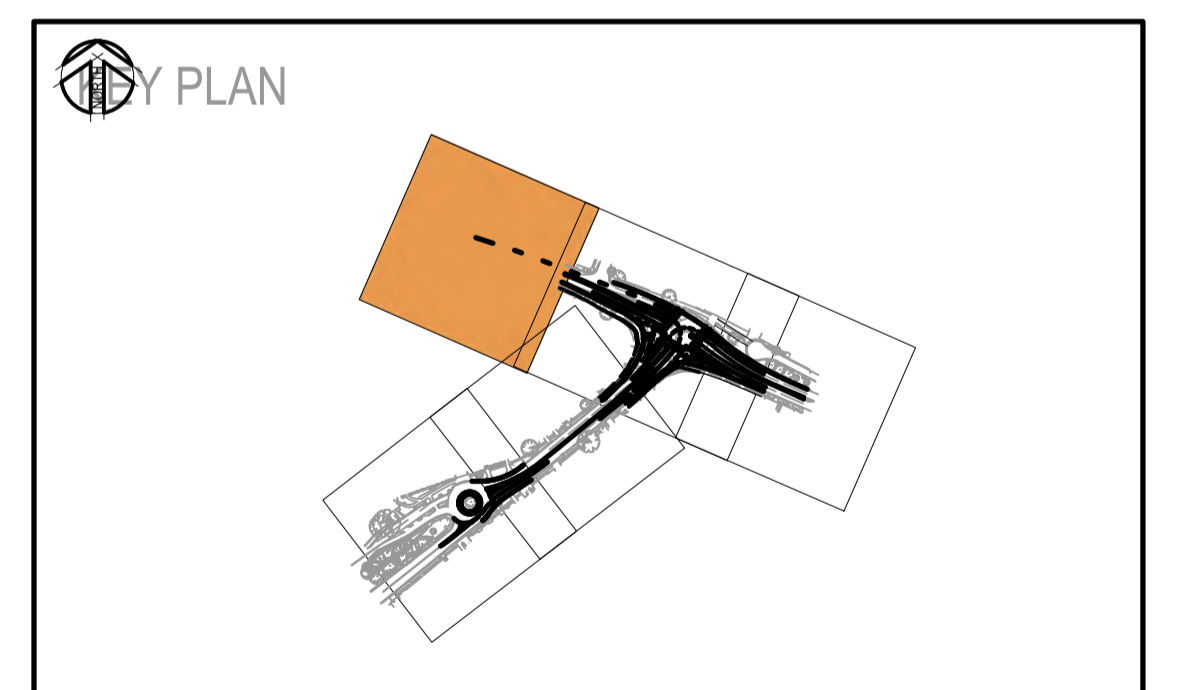
- MC10 CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED DESIGN
- EXISTING SURVEY
- EXISTING CADASTRAL BOUNDARY
- EXISTING PAVEMENT EXTENT
- TCS POST
- SURVEY MARKERS

LIMIT OF WORKS



**NOTES**

1. FOR GENERAL NOTES REFER TO DRAWING GN-DRG-000021.
2. FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-000051 TO RW-DRG-000052.
3. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



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	B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26			DRAWN _____ H.KARBALAEI SADEGH _____ 06.03.26 DESIGNED _____ S.PIYASENA _____ 06.03.26 DRG CHECK _____ K.CURLEY _____ 06.03.26 DESIGN CHECK _____ G.TASDEMIR _____ 06.03.26 PROJ/DES MNGR _____ D.ATKINSON _____ 06.03.26 APPROVED _____ D.ATKINSON _____ 06.03.26
	A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25			PREPARED FOR:  
	REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE			STANTEC CIVIL DRAWING SET No: _____ PART: _____ SHEET: 01 OF 05 A1 STATUS: 80% DETAILED DESIGN BRIDGE No: _____ DRG No: 305001822-STN-00-200-RW-DRG-000501 REV B VER 0 EDMS No. _____ AMD No. _____
COORDINATE SYSTEM: GDA1994 MGA56		HEIGHT DATUM: AHD		DESIGN LOT CODE:				

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PLOT DATE & TIME: 06/03/2026 4:27:14 PM

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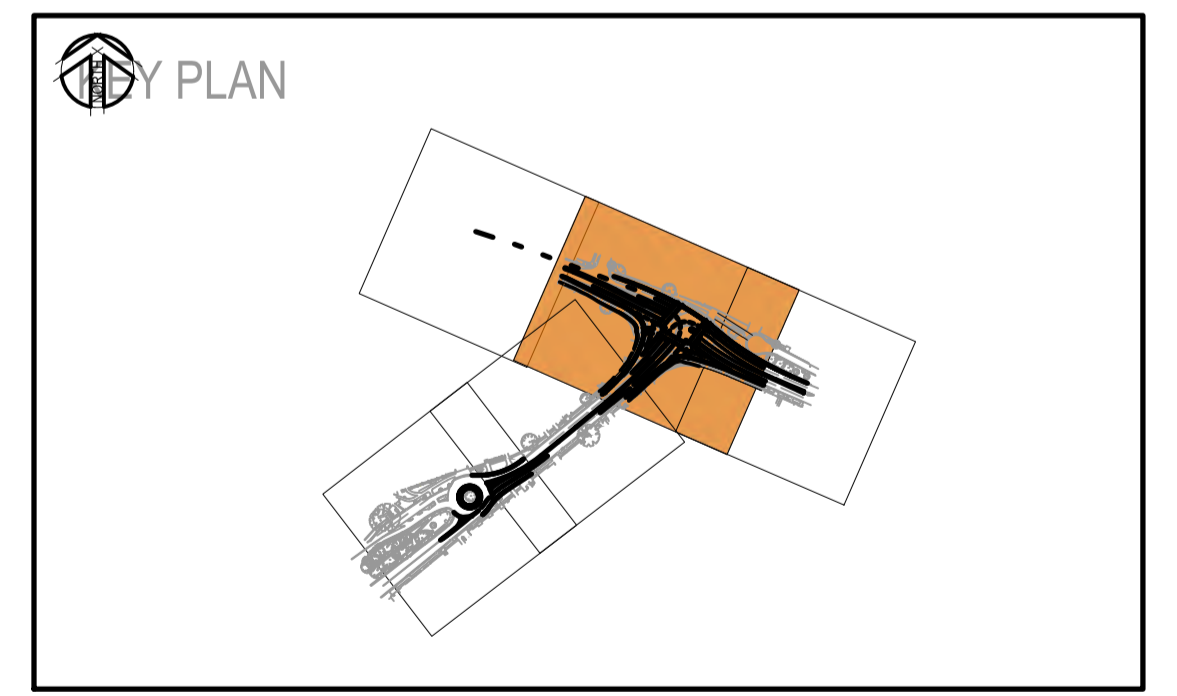


**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED DESIGN
- EXISTING SURVEY
- EXISTING CADASTRAL BOUNDARY
- EXISTING PAVEMENT EXTENT
- TCS POST
- SURVEY MARKERS

**NOTES**

1. FOR GENERAL NOTES REFER TO DRAWING GN-DRG-000021.
2. FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-000051 TO RW-DRG-000052.
3. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



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REFERENCES:

-MPT-DE-M3D-??

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B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26
A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE

COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: 1:500

SCALE 1:250 @A1

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

**Stantec**

STANTEC CIVIL

DRAWN	H.KARBALAEI SADEGH	06.03.26
DESIGNED	S.PIYASENA	06.03.26
DRG CHECK	K.CURLEY	06.03.26
DESIGN CHECK	G.TASDEMIR	06.03.26
PROJ/DES MNGR	D.ATKINSON	06.03.26
APPROVED	D.ATKINSON	06.03.26

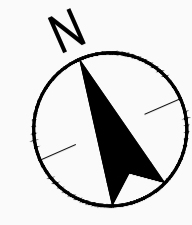
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CITY OF PARRAMATTA COUNCIL  
TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
DESIGN AND DOCUMENTATION

ROAD ALIGNMENT AND DETAIL  
ROAD ALIGNMENT PLAN - SHEET 2

DRAWING SET No:	PART:	SHEET: 02 OF 05	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:		
DRG No: 305001822-STN-00-200-RW-DRG-000502	REV B	VER 0	EDMS No. AMD No.

FILE NAME: 305001822-STN-00-200-RW-DRG-000502.dwg  
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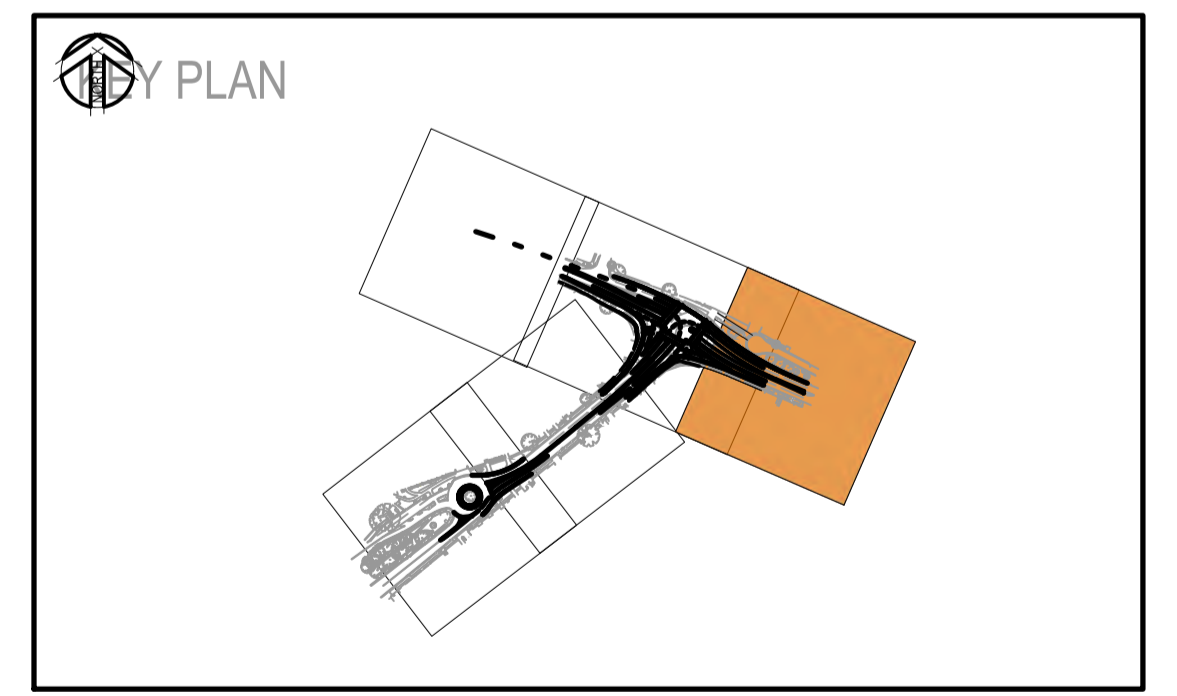
**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED DESIGN
- EXISTING SURVEY
- EXISTING CADASTRAL BOUNDARY
- EXISTING PAVEMENT EXTENT
- TCS POST
- SURVEY MARKERS



**NOTES**

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2. FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-000051 TO RW-DRG-000052.
3. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



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**OFFICIAL**

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REFERENCES:

-MPT-DE-M3D-??

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REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
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A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25

COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: 1:500

SCALE 1:250

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

STANTEC CIVIL

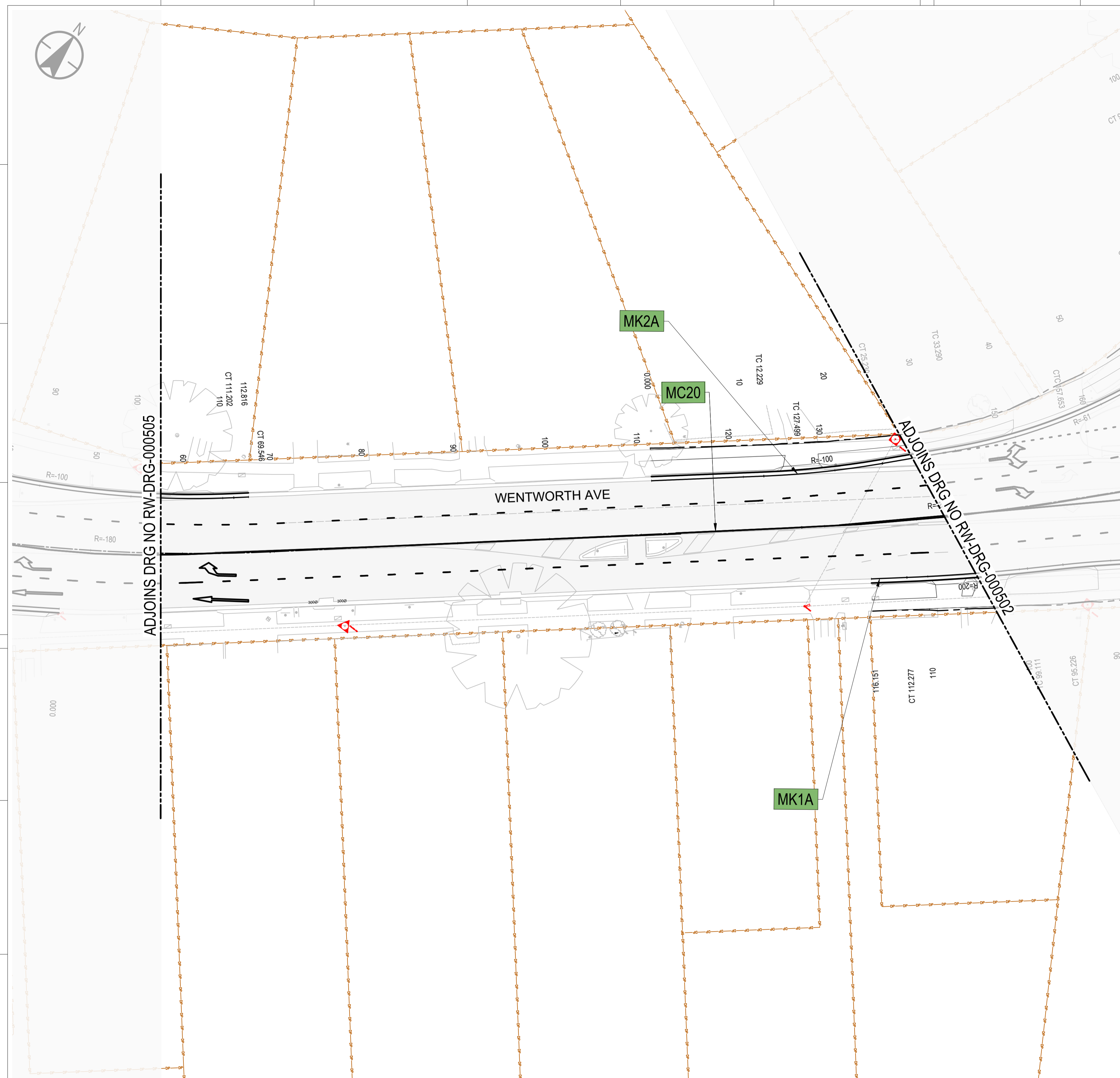
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DESIGNED	S.PIYASENA	06.03.26
DRG CHECK	K.CURLEY	06.03.26
DESIGN CHECK	G.TASDEMIR	06.03.26
PROJ/DES MNGR	D.ATKINSON	06.03.26
APPROVED	D.ATKINSON	06.03.26

CITY OF PARRAMATTA COUNCIL  
TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
DESIGN AND DOCUMENTATION

ROAD ALIGNMENT AND DETAIL  
ROAD ALIGNMENT PLAN - SHEET 3

DRAWING SET No:	PART:	SHEET: 03 OF 05	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:		
DRG No: 305001822-STN-00-200-RW-DRG-000503	REV B	VER 0	EDMS No. AMD No.

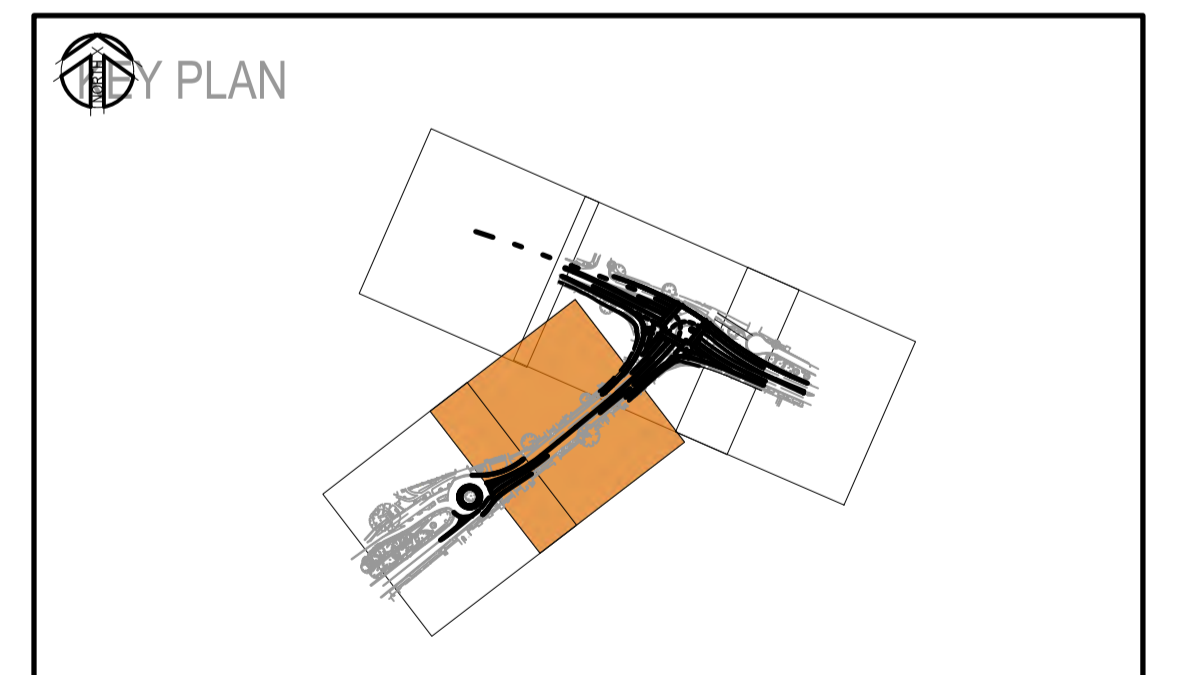
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PLOT DATE & TIME: 06/03/2026 4:27:36 PM



**LEGEND**

	CONTROL ALIGNMENT LABEL
	CONTROL ALIGNMENT
	PROPOSED DESIGN
	EXISTING SURVEY
	EXISTING CADASTRAL BOUNDARY
	EXISTING PAVEMENT EXTENT
	TCS POST
	SURVEY MARKERS

- NOTES**
- FOR GENERAL NOTES REFER TO DRAWING GN-DRG-000021.
  - FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-000051 TO RW-DRG-000052.
  - THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



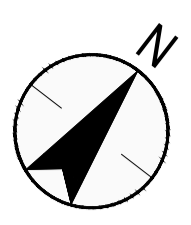
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REFERENCES: -MPT-DE-M3D-??	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.			SCALE: 1:500	CLIENT: 	<p><small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW.</small></p> <p><small>Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small></p>	<p>CITY OF PARRAMATTA COUNCIL TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</p>																
	<table border="1"> <tr> <td>B.0</td> <td>ISSUED FOR 80% DETAILED DESIGN</td> <td>SP / 06.03.26</td> <td>GT / 06.03.26</td> <td>DA / 06.03.26</td> </tr> <tr> <td>A.0</td> <td>ISSUED FOR 50% DETAILED DESIGN</td> <td>SP / 29.07.25</td> <td>GT / 29.07.25</td> <td>DA / 29.07.25</td> </tr> <tr> <td>REV</td> <td>DESCRIPTION</td> <td>DESIGNER INITIAL/DATE</td> <td>VERIFIED INITIAL/DATE</td> <td>APPROVED INITIAL/DATE</td> </tr> </table>			B.0	ISSUED FOR 80% DETAILED DESIGN			SP / 06.03.26	GT / 06.03.26	DA / 06.03.26	A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25	REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE	 SCALE 1:250	PREPARED FOR: 	<p>ROAD ALIGNMENT AND DETAIL ROAD ALIGNMENT PLAN - SHEET 4</p>
	B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26																		
	A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25																		
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE																			
COORDINATE SYSTEM: GDA1994 MGA56			DESIGN LOT CODE:	<p>DRAWN _____ H.KARBALAEI SADEGH _____ 06.03.26</p> <p>DESIGNED _____ S.PIYASENA _____ 06.03.26</p> <p>DRG CHECK _____ K.CURLEY _____ 06.03.26</p> <p>DESIGN CHECK _____ G.TASDEMIR _____ 06.03.26</p> <p>PROJ/DES MNGR _____ D.ATKINSON _____ 06.03.26</p> <p>APPROVED _____ D.ATKINSON _____ 06.03.26</p>	<p>DRAWING SET No: _____ PART: _____ SHEET: 04 OF 05 A1</p> <p>STATUS: 80% DETAILED DESIGN BRIDGE No: _____</p> <p>DRG No: 305001822-STN-00-200-RW-DRG-000504 REV B VER 0 EDMS No. _____ AMD No. _____</p>																		
HEIGHT DATUM: AHD				STANTEC CIVIL																			

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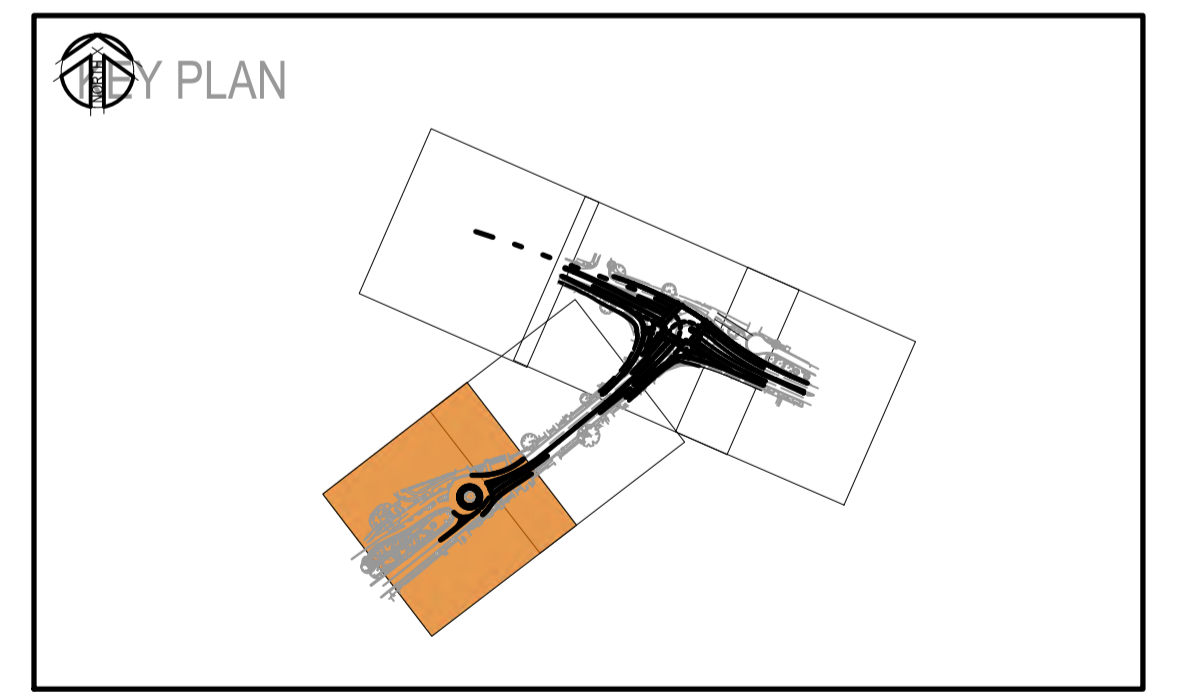


**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED DESIGN
- EXISTING SURVEY
- EXISTING CADASTRAL BOUNDARY
- EXISTING PAVEMENT EXTENT
- TCS POST
- SURVEY MARKERS

**NOTES**

1. FOR GENERAL NOTES REFER TO DRAWING GN-DRG-000021.
2. FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-000051 TO RW-DRG-000052.
3. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



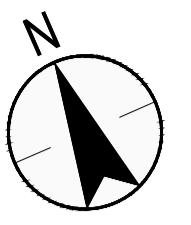
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<p>REFERENCES:</p> <p>-MPT-DE-M3D-??</p>	<p>THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.</p>	<p>SCALE: 1:500</p> <p>SCALE 1:250</p>	<p>CLIENT:</p> <p>PREPARED FOR:</p>	<p><small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small></p> <p><b>Stantec</b></p> <p>STANTEC CIVIL</p>	<p>CITY OF PARRAMATTA COUNCIL TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</p> <p>ROAD ALIGNMENT AND DETAIL ROAD ALIGNMENT PLAN - SHEET 5</p> <p>DRAWING SET No: _____ PART: SHEET: 05 OF 05 A1</p> <p>STATUS: 80% DETAILED DESIGN BRIDGE No: _____</p> <p>DRG No: 305001822-STN-00-200-RW-DRG-000505 REV B VER 0 EDMS No. _____ AMD No. _____</p>															
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REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE																
B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26																
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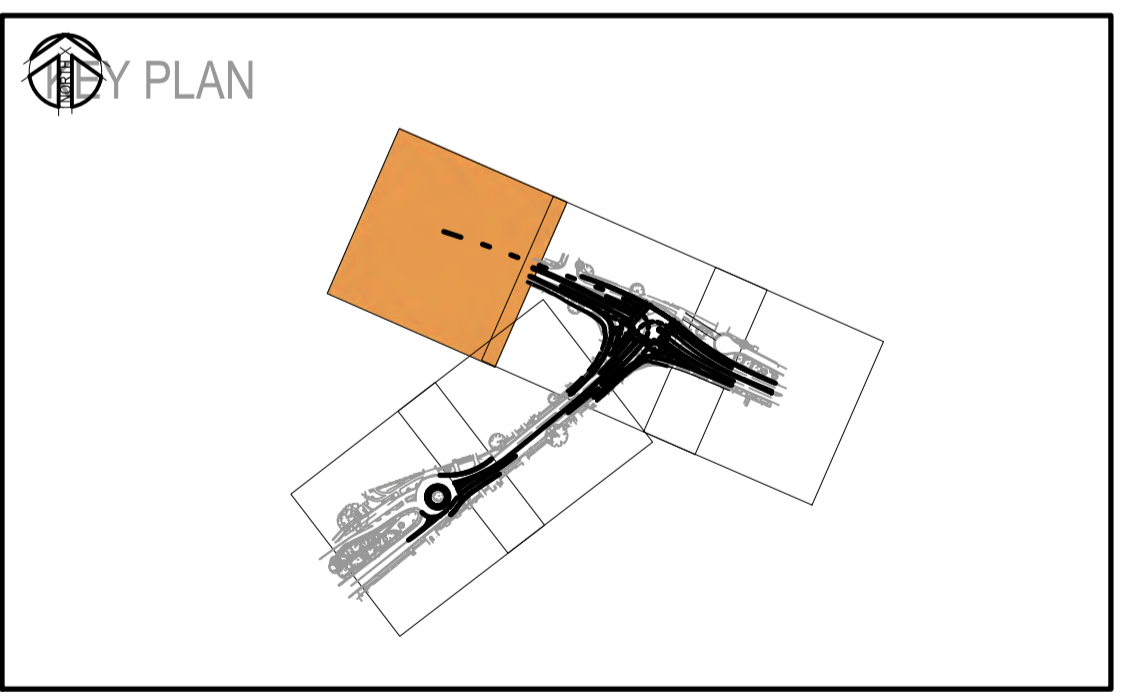
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PLOT DATE & TIME: 06/03/2026 4:28:01 PM



**LEGEND**

	CONTROL ALIGNMENT LABEL
	CONTROL ALIGNMENT
	PROPOSED DESIGN
	EXISTING SURVEY
	EXISTING CADASTRAL BOUNDARY
	EXISTING PAVEMENT EXTENT
	TCS POST

- NOTES**
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A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE

COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: 1:250

SCALE 1:250

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

STANTEC CIVIL

DRAWN	H.KARBALAEI SADEGH	06.03.26
DESIGNED	S.PIYASENA	06.03.26
DRG CHECK	K.CURLEY	06.03.26
DESIGN CHECK	G.TASDEMIR	06.03.26
PROJ/DES MNGR	D. ATKINSON	06.03.26
APPROVED	D. ATKINSON	06.03.26

CITY OF PARRAMATTA COUNCIL  
TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
DESIGN AND DOCUMENTATION

ROAD ALIGNMENT AND DETAIL  
ROAD DETAIL PLAN - SHEET 1

DRAWING SET No:	PART:	SHEET: 01 OF 05	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:	©	
DRG No: 305001822-STN-00-200-RW-DRG-001001	REV B	VER 0	EDMS No. AMD No.

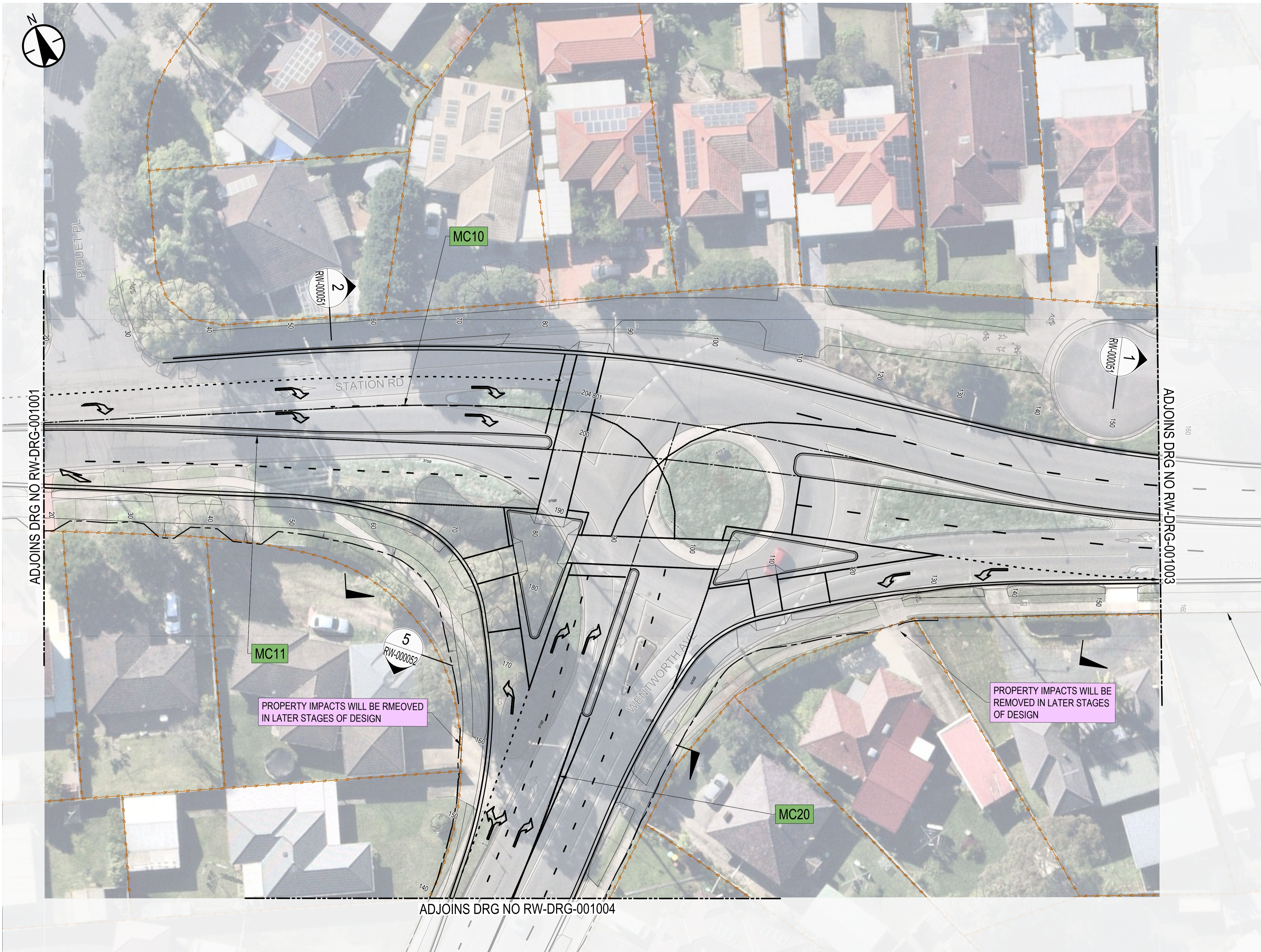
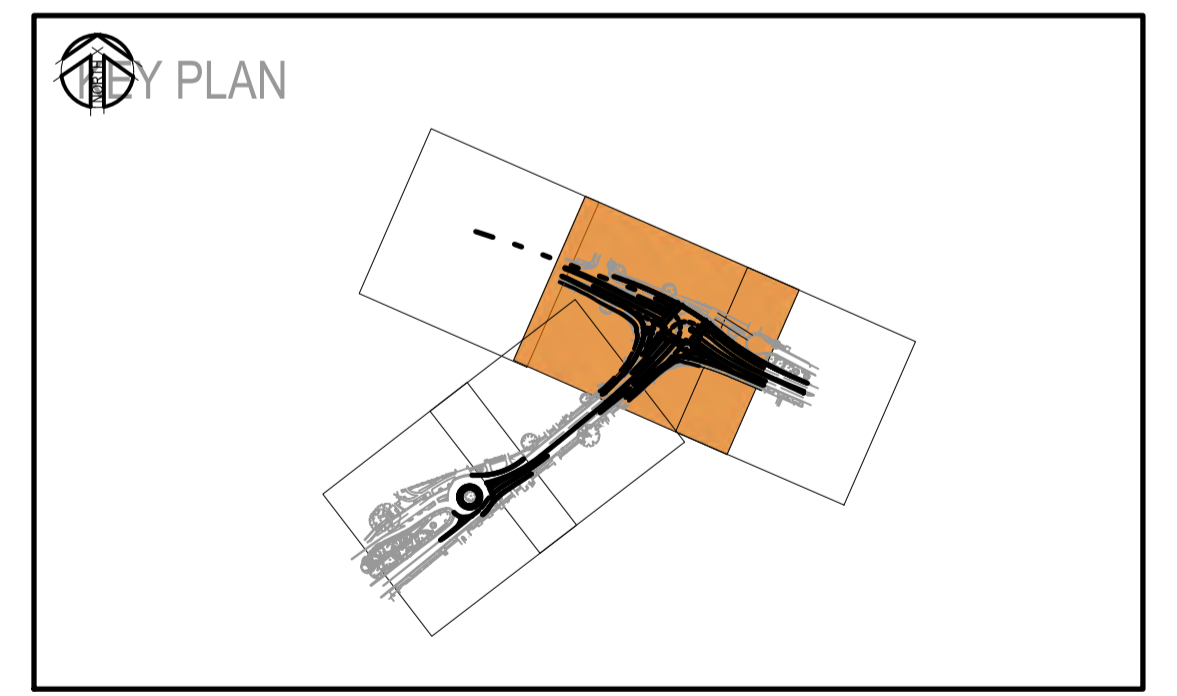


### LEGEND

- CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED DESIGN
- EXISTING SURVEY
- EXISTING CADASTRAL BOUNDARY
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A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE

COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: 1:250

SCALE 1:250 @A1

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

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STANTEC CIVIL

DRAWN	H.KARBALAEI SADEGH	06.03.26
DESIGNED	S.PIYASENA	06.03.26
DRG CHECK	K.CURLEY	06.03.26
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PROJ/DES MNGR	D.ATKINSON	06.03.26
APPROVED	D.ATKINSON	06.03.26

CITY OF PARRAMATTA COUNCIL  
TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
DESIGN AND DOCUMENTATION

ROAD ALIGNMENT AND DETAIL  
ROAD DETAIL PLAN - SHEET 2

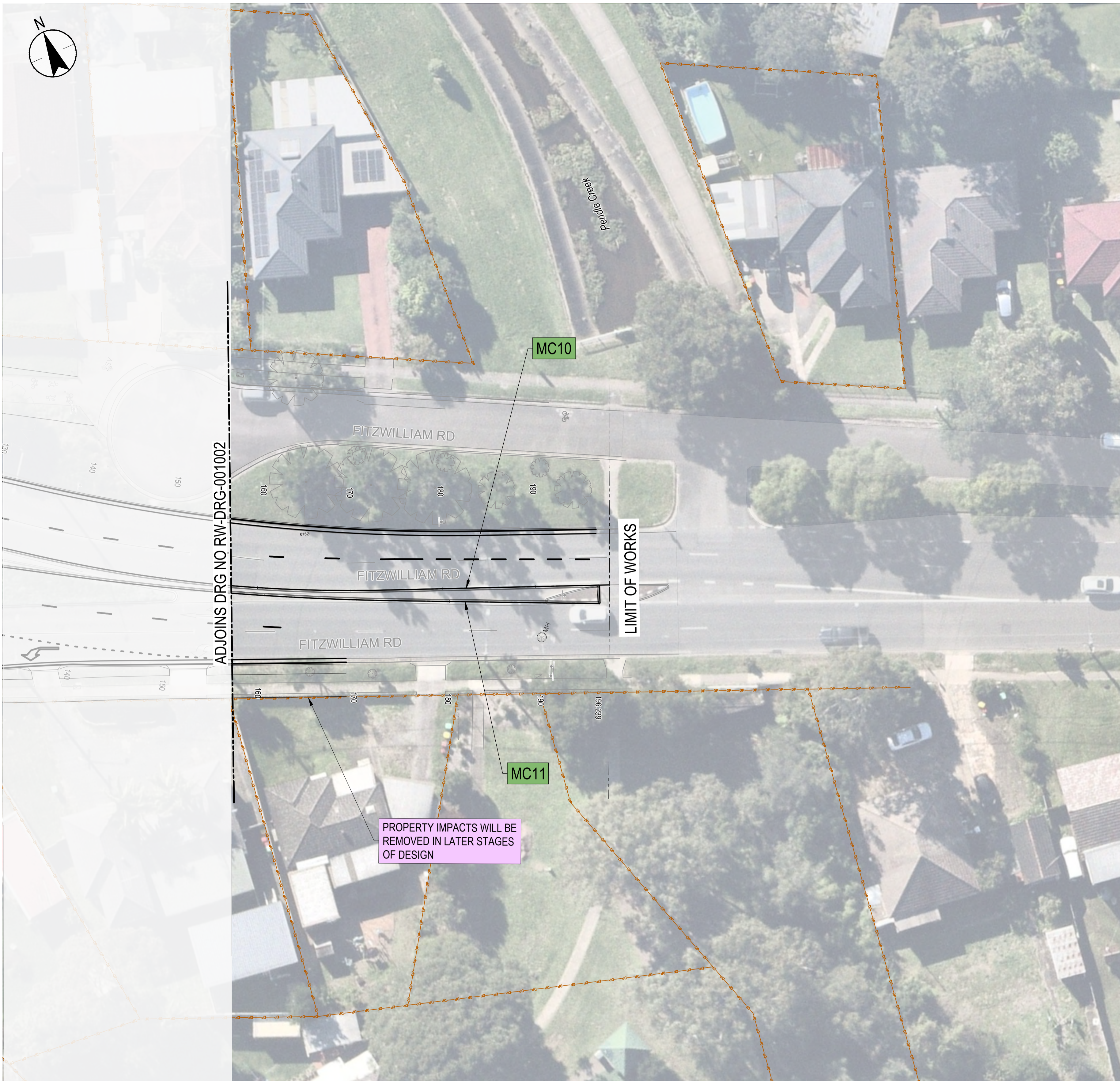
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STATUS: 80% DETAILED DESIGN	BRIDGE No:		
DRG No: 305001822-STN-00-200-RW-DRG-001002	REV B	VER 0	EDMS No. AMD No.

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PLOT DATE & TIME: 06/03/2026 4:28:36 PM



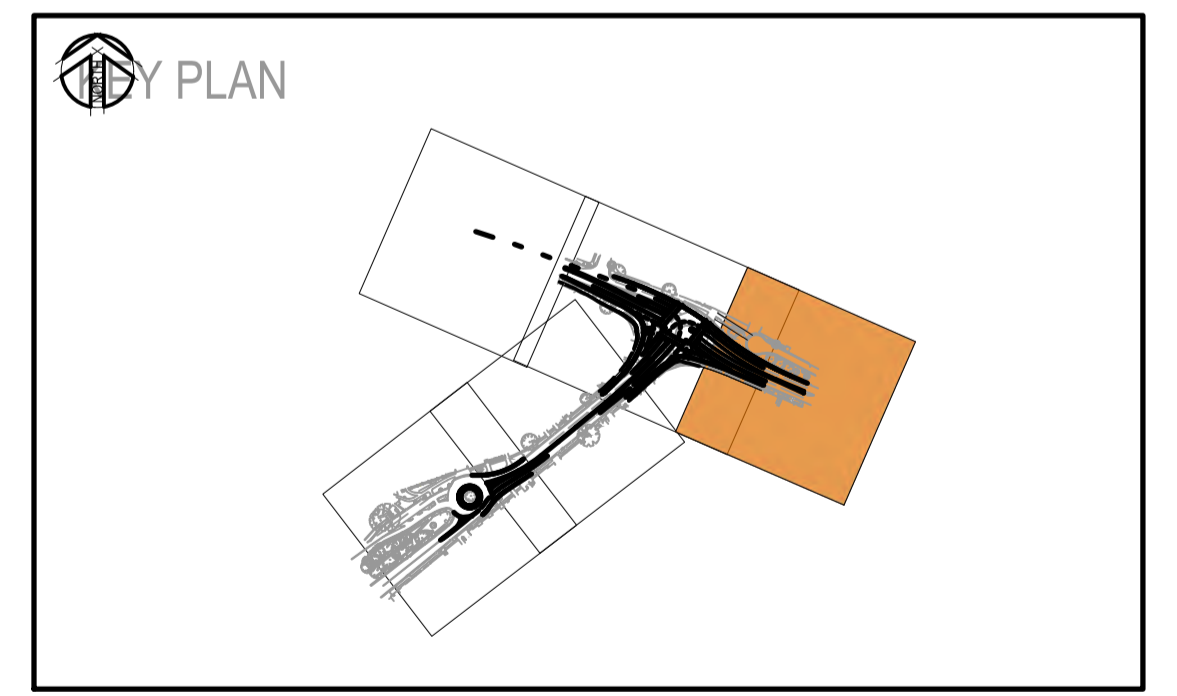
**LEGEND**

- CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED DESIGN
- EXISTING SURVEY
- EXISTING CADASTRAL BOUNDARY
- EXISTING PAVEMENT EXTENT
- TCS POST



**NOTES**

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REFERENCES:

-MPT-DE-M3D-??
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B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26
A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE

COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: 1:250

SCALE 1:250

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

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PROJ/DES MNGR	D. ATKINSON	06.03.26
APPROVED	D. ATKINSON	06.03.26

STANTEC CIVIL

CITY OF PARRAMATTA COUNCIL  
TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
DESIGN AND DOCUMENTATION

ROAD ALIGNMENT AND DETAIL  
ROAD DETAIL PLAN - SHEET 3

DRAWING SET No:	PART:	SHEET: 03 OF 05	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:	©	
DRG No: 305001822-STN-00-200-RW-DRG-001003	REV B	VER 0	EDMS No. AMD No.

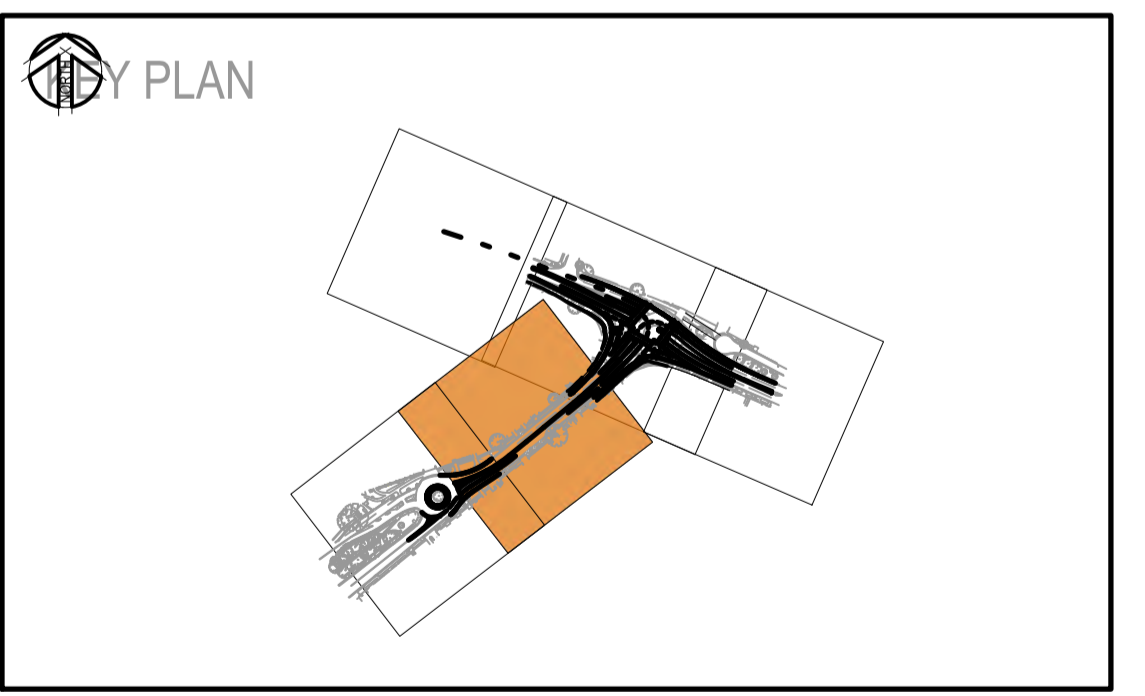
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**LEGEND**

	CONTROL ALIGNMENT LABEL
	CONTROL ALIGNMENT
	PROPOSED DESIGN
	EXISTING SURVEY
	EXISTING CADASTRAL BOUNDARY
	EXISTING PAVEMENT EXTENT
	TCS POST

- NOTES**
- FOR GENERAL NOTES REFER TO DRAWING GN-DRG-000021.
  - FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-000051 TO RW-DRG-000052.
  - THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



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**OFFICIAL**

**NOT FOR CONSTRUCTION**

**REFERENCES:**

-MPT-DE-M3D-??
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A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25
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SCALE: 1:250

SCALE 1:250

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

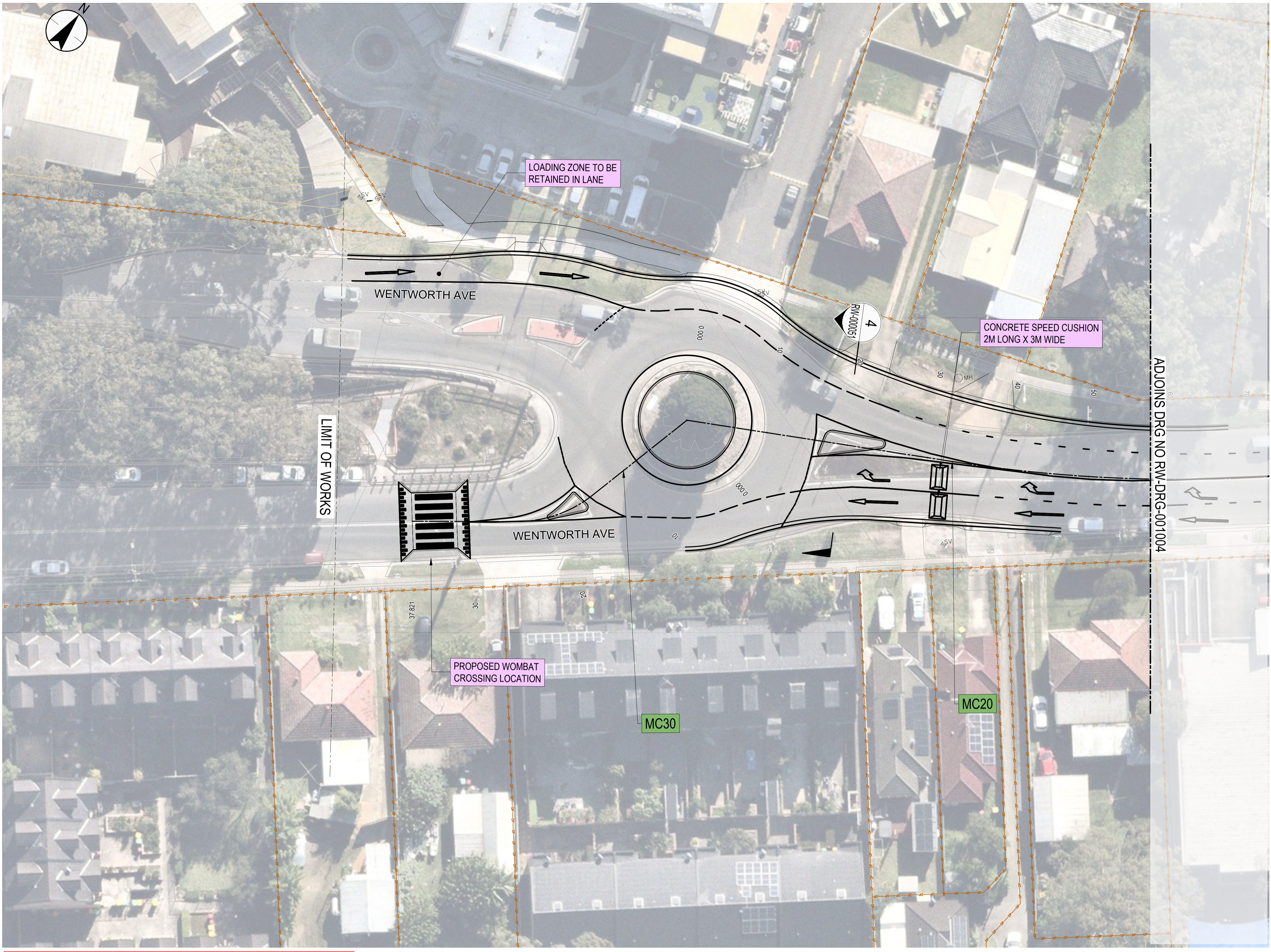
STANTEC CIVIL

DRAWN	H.KARBALAEI SADEGH	06.03.26
DESIGNED	S.PIYASENA	06.03.26
DRG CHECK	K.CURLEY	06.03.26
DESIGN CHECK	G.TASDEMIR	06.03.26
PROJ/DES MNGR	D.ATKINSON	06.03.26
APPROVED	D.ATKINSON	06.03.26

CITY OF PARRAMATTA COUNCIL  
TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
DESIGN AND DOCUMENTATION

ROAD ALIGNMENT AND DETAIL  
ROAD DETAIL PLAN - SHEET 4

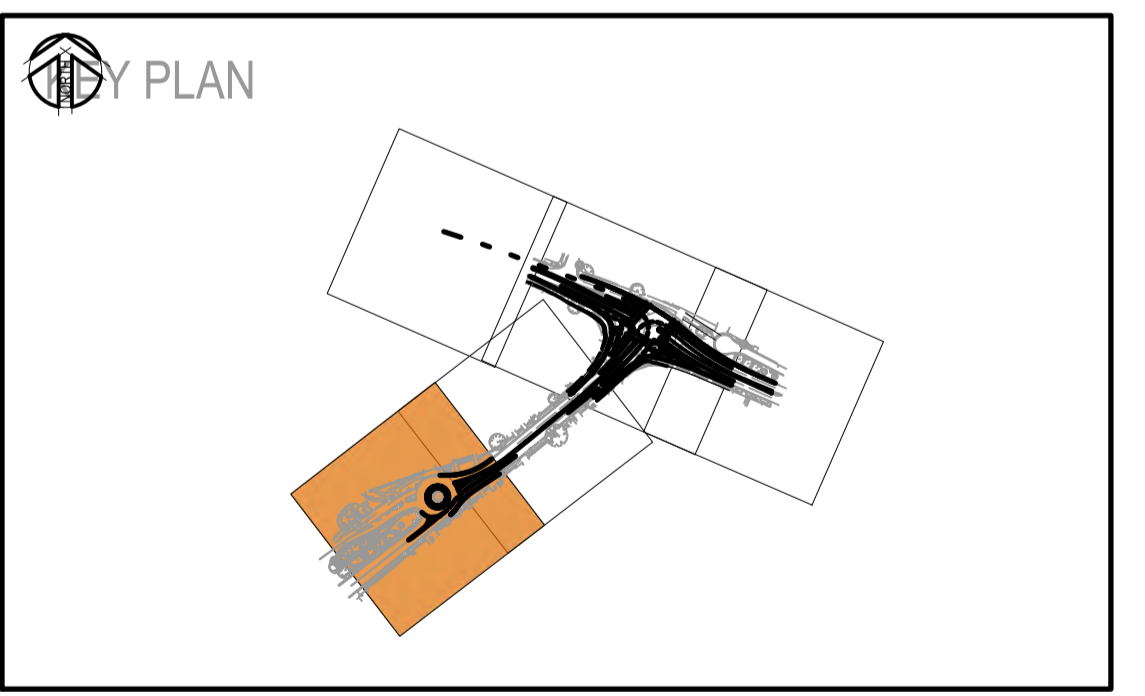
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STATUS: 80% DETAILED DESIGN	BRIDGE No:	©	
DRG No: 305001822-STN-00-200-RW-DRG-001004	REV B	VER 0	EDMS No. AMD No.



**LEGEND**

	CONTROL ALIGNMENT LABEL
	CONTROL ALIGNMENT
	PROPOSED DESIGN
	EXISTING SURVEY
	EXISTING CADASTRAL BOUNDARY
	EXISTING PAVEMENT EXTENT
	TCS POST

- NOTES**
1. FOR GENERAL NOTES REFER TO DRAWING GN-DRG-000021.
  2. FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-000051 TO RW-DRG-000052.
  3. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



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REFERENCES:

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A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE

COORDINATE SYSTEM: GDA1994 MGA56

HEIGHT DATUM: AHD

SCALE: 1:250

SCALE 1:250 @A1

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

STANTEC CIVIL

DRAWN	H.KARBALAEI SADEGH	06.03.26
DESIGNED	S.PIYASENA	06.03.26
DRG CHECK	K.CURLEY	06.03.26
DESIGN CHECK	G.TASDEMIR	06.03.26
PROJ/DES MNGR	D. ATKINSON	06.03.26
APPROVED	D. ATKINSON	06.03.26

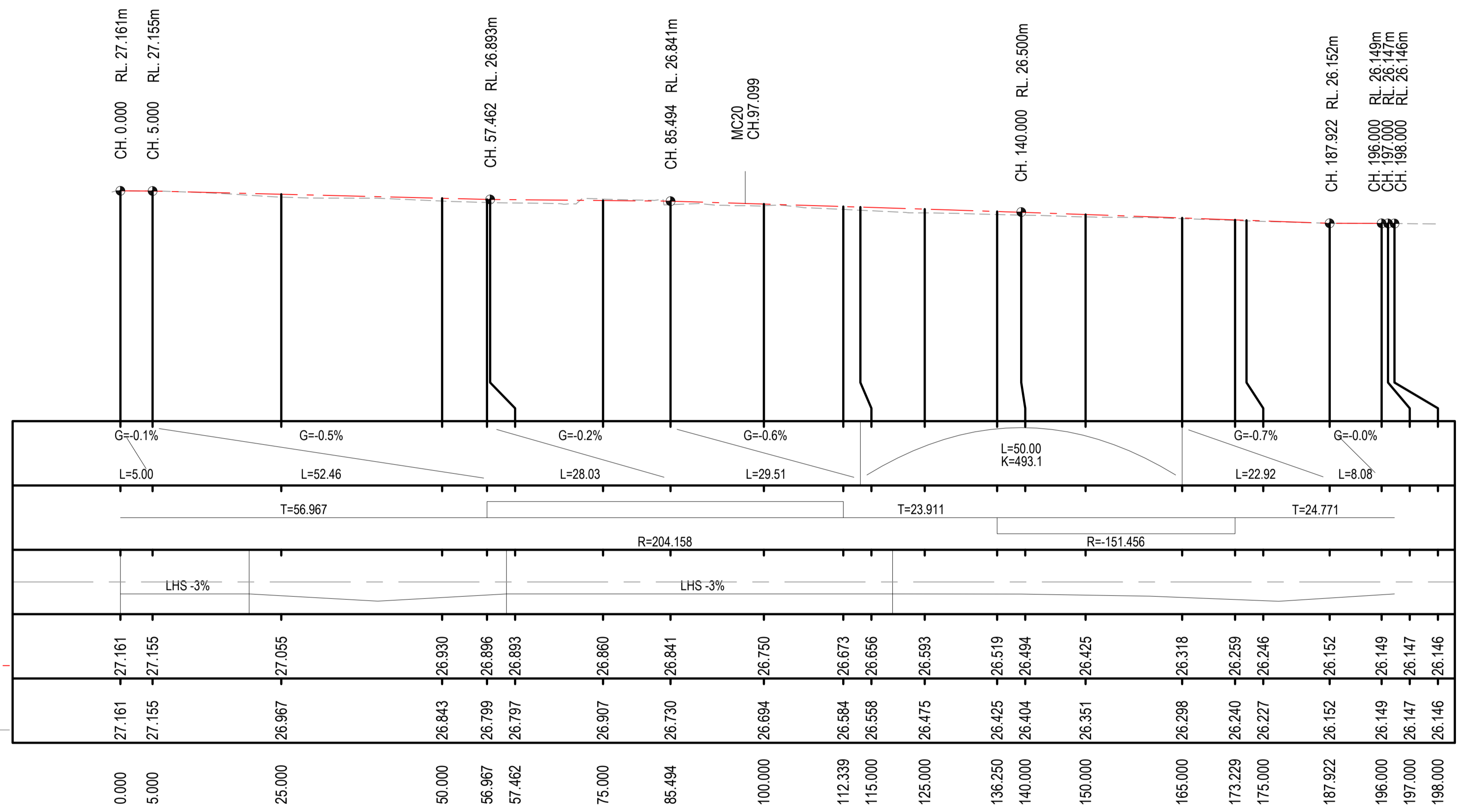
CITY OF PARRAMATTA COUNCIL

**TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION**

ROAD ALIGNMENT AND DETAIL  
ROAD DETAIL PLAN - SHEET 5

DRAWING SET No:	PART:	SHEET: 05 OF 05	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:	©	
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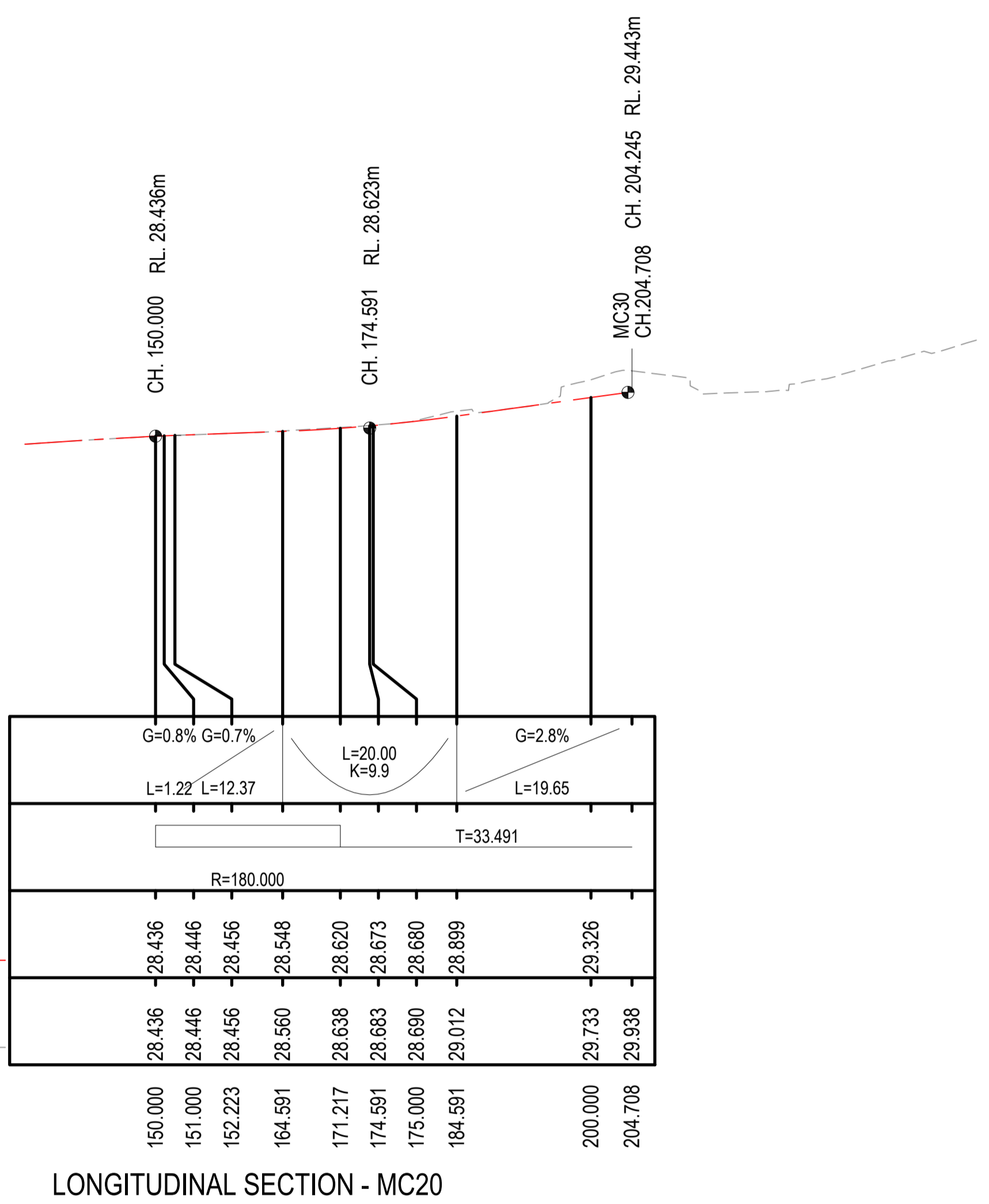
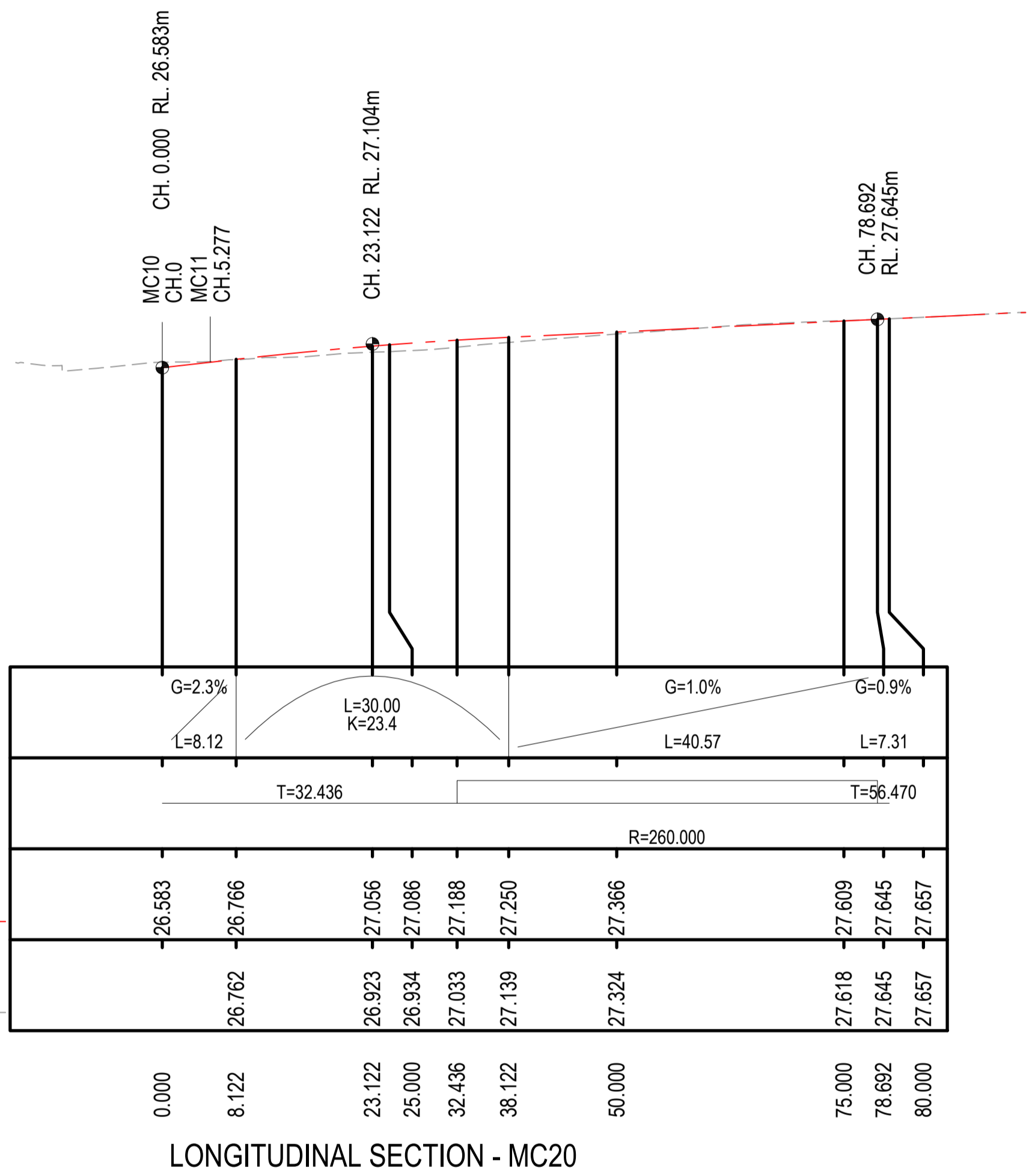


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<b>REFERENCES:</b> -MPT-DE-M3D-??	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.	SCALE: AS SHOWN SCALE: NTS 	LOCALITY PLAN 	OFFICIAL This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW.	CITY OF PARRAMATTA COUNCIL TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION															
<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DESIGNER INITIAL/DATE</th> <th>VERIFIED INITIAL/DATE</th> <th>APPROVED INITIAL/DATE</th> </tr> </thead> <tbody> <tr> <td>B.0</td> <td>ISSUED FOR 80% DETAILED DESIGN</td> <td>SP / 06.03.26</td> <td>GT / 06.03.26</td> <td>DA / 06.03.26</td> </tr> <tr> <td>A.0</td> <td>ISSUED FOR 50% DETAILED DESIGN</td> <td>SP / 29.07.25</td> <td>GT / 29.07.25</td> <td>DA / 29.07.25</td> </tr> </tbody> </table>	REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE	B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26	A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25	COORDINATE SYSTEM: GDA1994 MGA56 	HEIGHT DATUM: AHD	DESIGN LOT CODE:	DRAWN: H.KARBALAEI SADEGH 06.03.26 DESIGNED: S.PIYASENA 06.03.26 DRG CHECK: K.CURLEY 06.03.26 DESIGN CHECK: G.TASDEMIR 06.03.26 PROJ/DES MNGR: D.ATKINSON 06.03.26 APPROVED: D.ATKINSON 06.03.26	ROAD ALIGNMENT AND DETAIL LONG SECTIONS - MC10 DRAWING SET No: PART: SHEET: 01 OF 04 A1 STATUS: 80% DETAILED DESIGN BRIDGE No: © DRG No: 305001822-STN-00-200-RW-DRG-002001 REV B VER 0 EDMS No. AMD No.
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A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25																



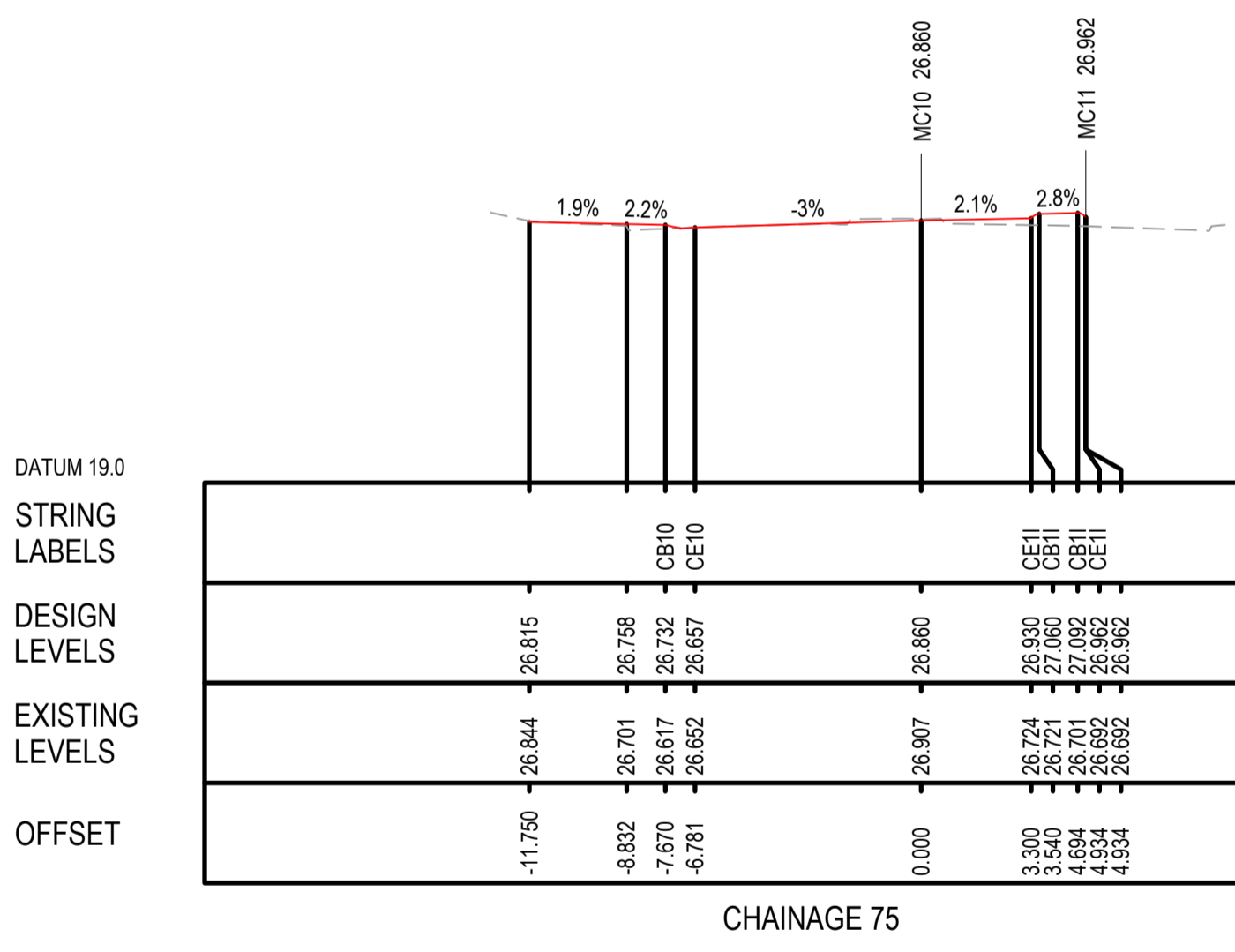
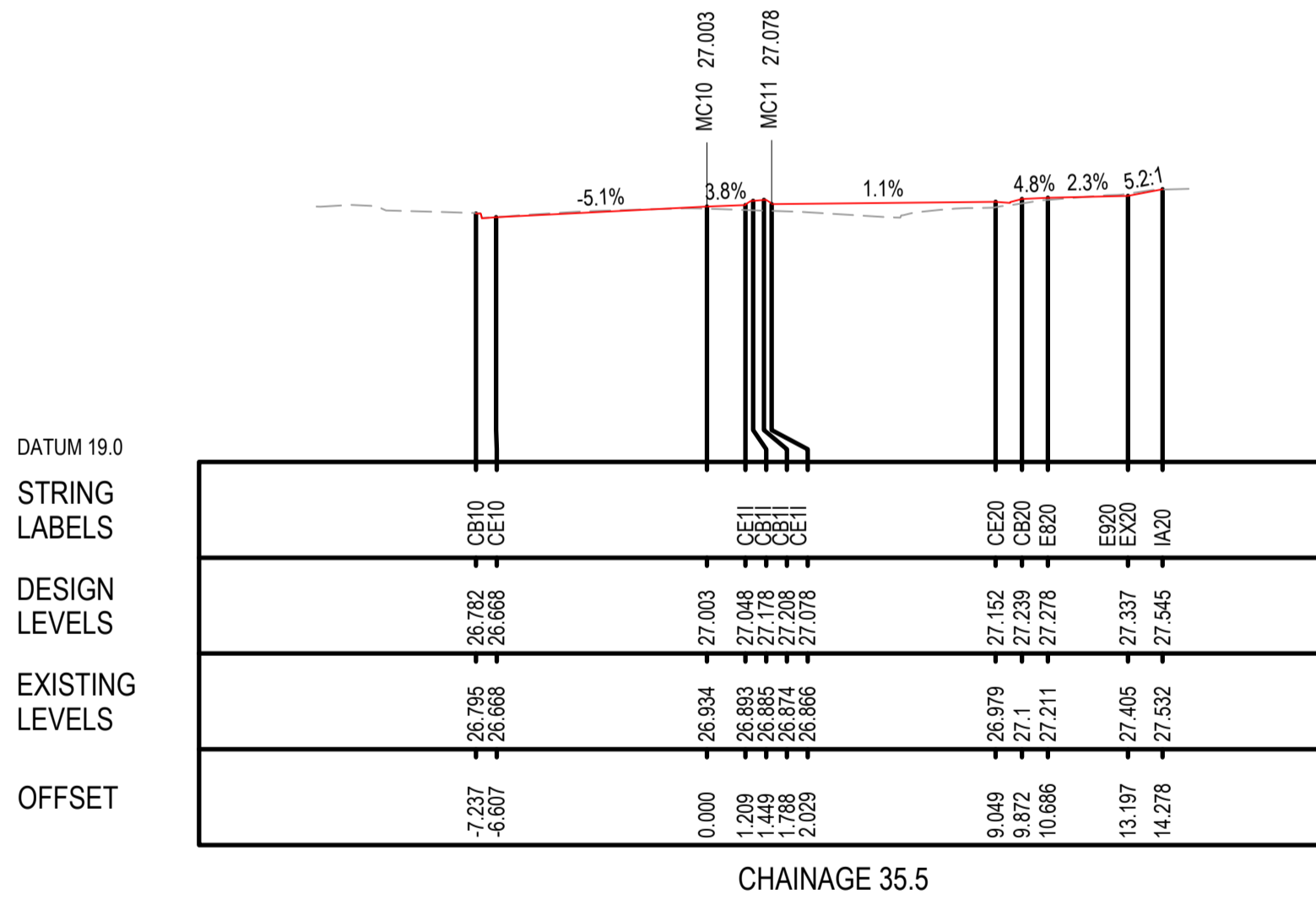
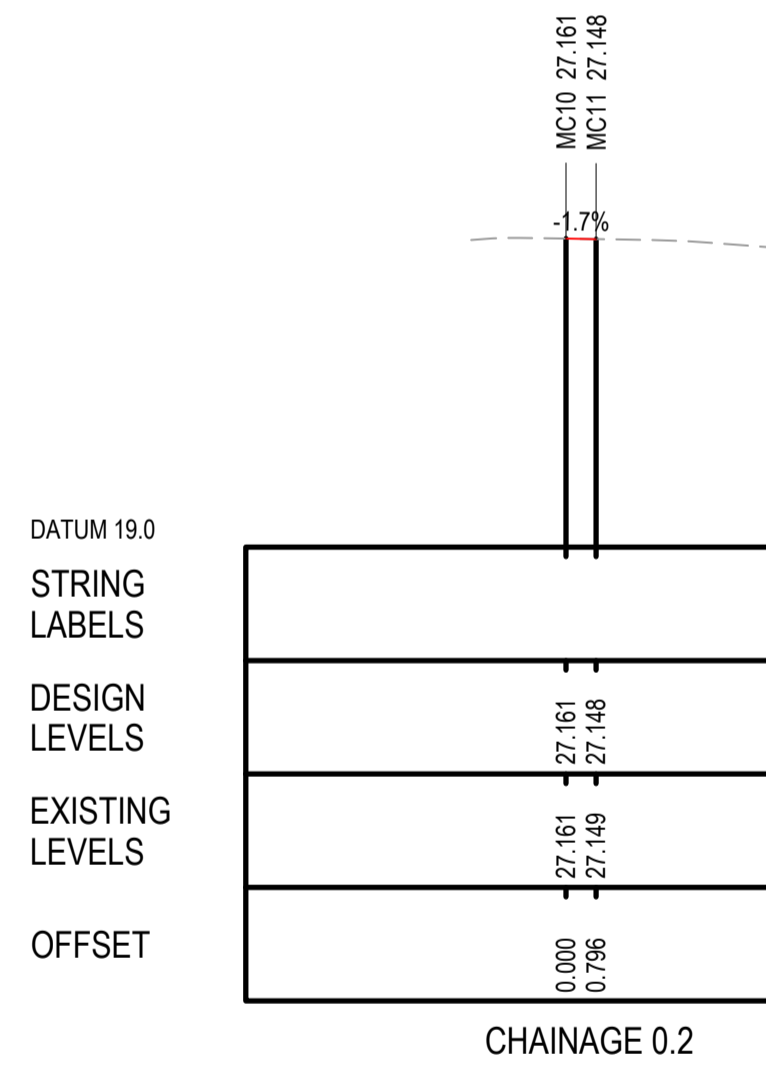
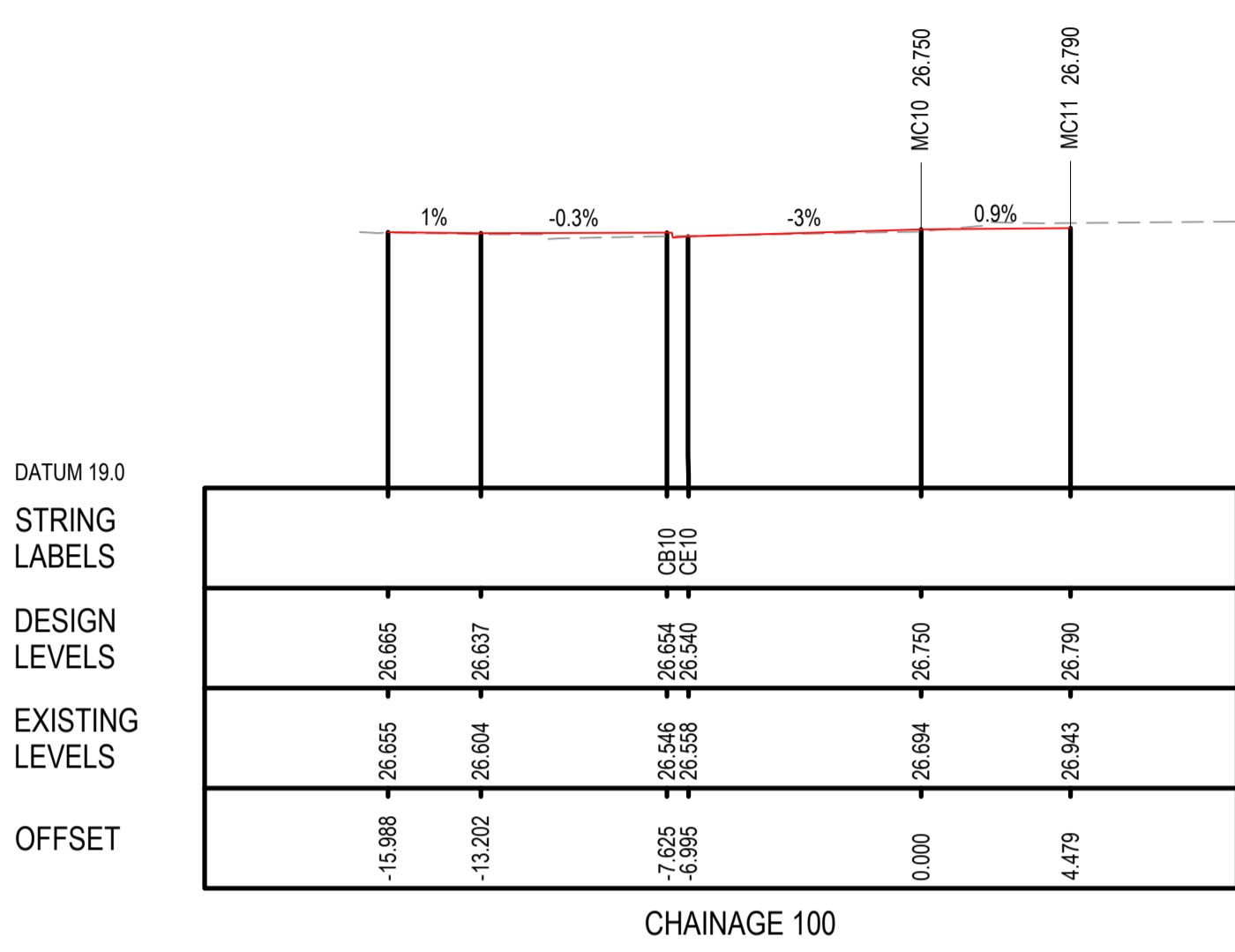
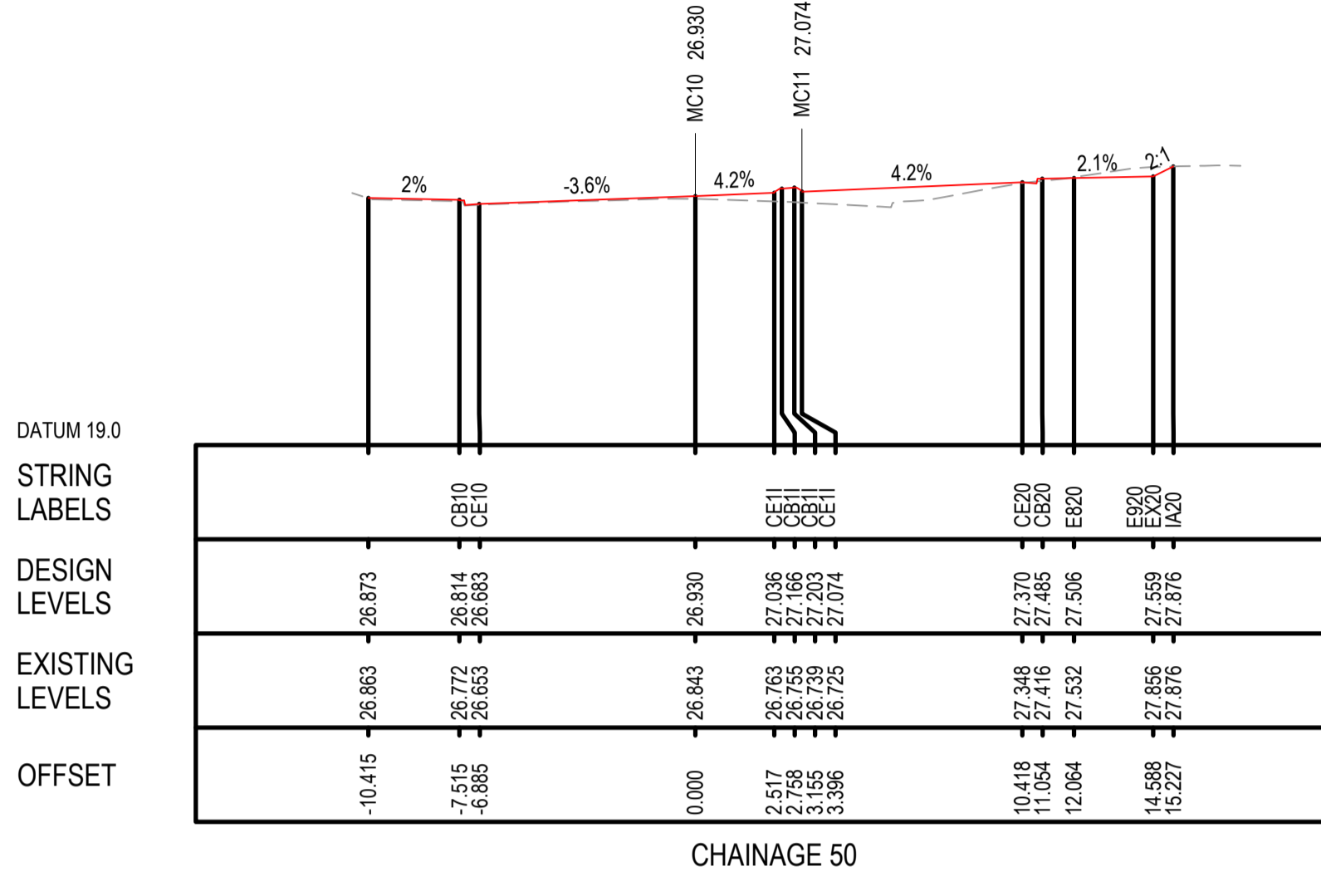
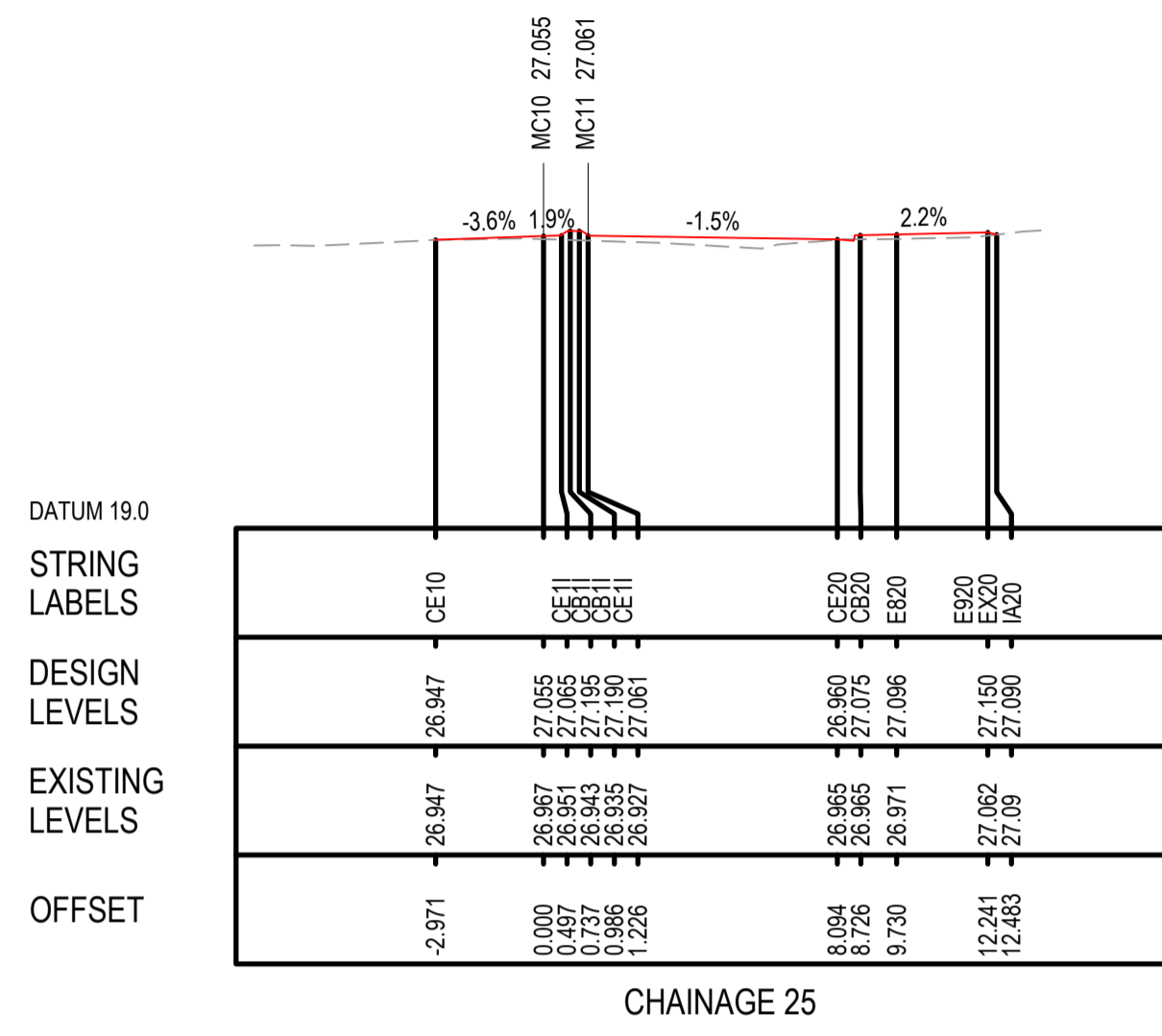


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<p>REFERENCES:</p> <p>-MPT-DE-M3D-??</p>	<p>THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.</p>	<p>SCALE: AS SHOWN</p>	<p>CLIENT:</p>	<p><i>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</i></p>	<p>CITY OF PARRAMATTA COUNCIL</p> <p>TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT</p> <p>DESIGN AND DOCUMENTATION</p>															
<table border="1"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DESIGNER INITIAL/DATE</th> <th>VERIFIED INITIAL/DATE</th> <th>APPROVED INITIAL/DATE</th> </tr> </thead> <tbody> <tr> <td>B.0</td> <td>ISSUED FOR 80% DETAILED DESIGN</td> <td>SP / 06.03.26</td> <td>GT / 06.03.26</td> <td>DA / 06.03.26</td> </tr> <tr> <td>A.0</td> <td>ISSUED FOR 50% DETAILED DESIGN</td> <td>SP / 29.07.25</td> <td>GT / 29.07.25</td> <td>DA / 29.07.25</td> </tr> </tbody> </table>	REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE	B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26	A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25	<p>COORDINATE SYSTEM: GDA1994 MGA56</p>	<p>HEIGHT DATUM: AHD</p>	<p>PREPARED FOR:</p>	<p>STANTEC CIVIL</p>	<p>ROAD ALIGNMENT AND DETAIL</p> <p>LONG SECTIONS - MC20</p>
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE																
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A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25																
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<p>BRIDGE No:</p>		<p>REV B</p>	<p>VER 0</p>	<p>EDMS No.</p>	<p>AMD No.</p>															



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REFERENCES:

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A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE

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DA / 06.03.26			
DA / 29.07.25			
APPROVED INITIAL/DATE			

COORDINATE SYSTEM: GDA1994 MGA56

SCALE: AS SHOWN

SCALE 1:100 @A1

DESIGN LOT CODE:

CLIENT: CITY OF PARRAMATTA

PREPARED FOR:

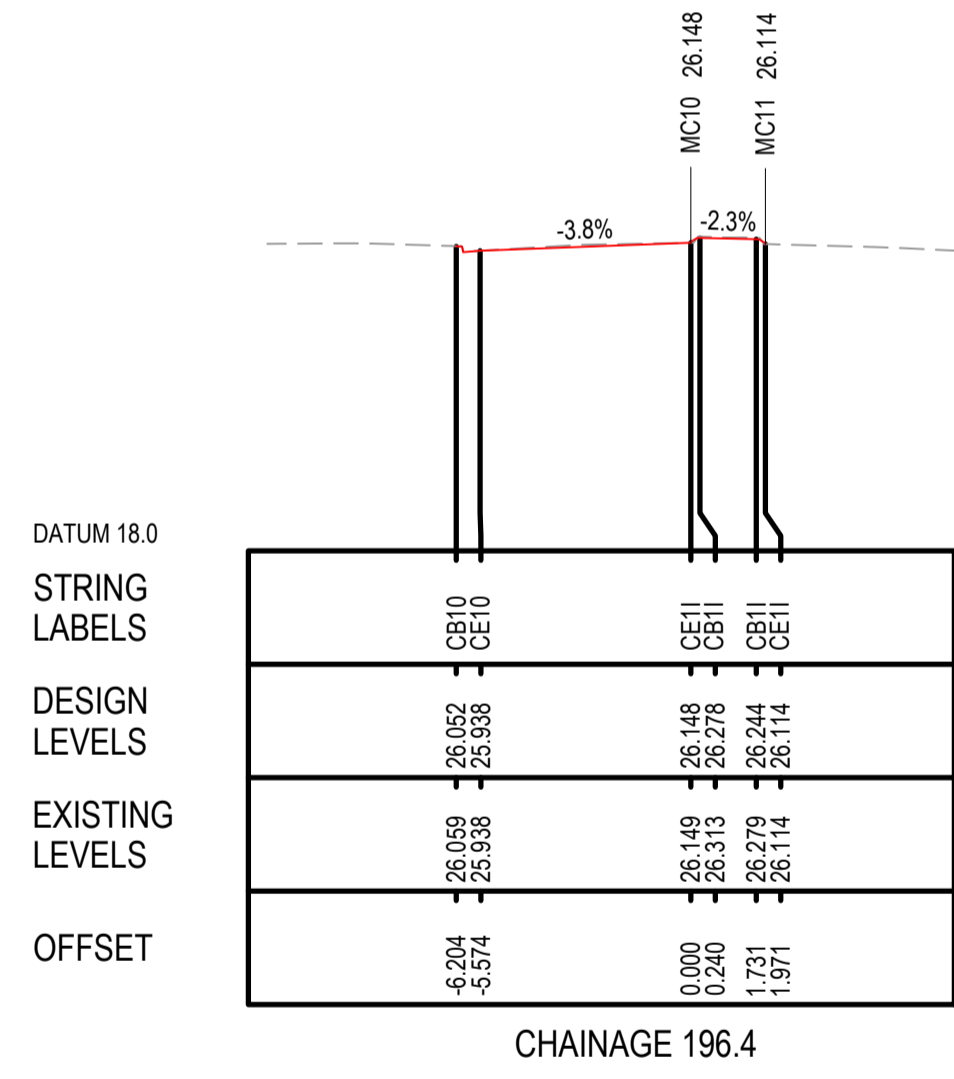
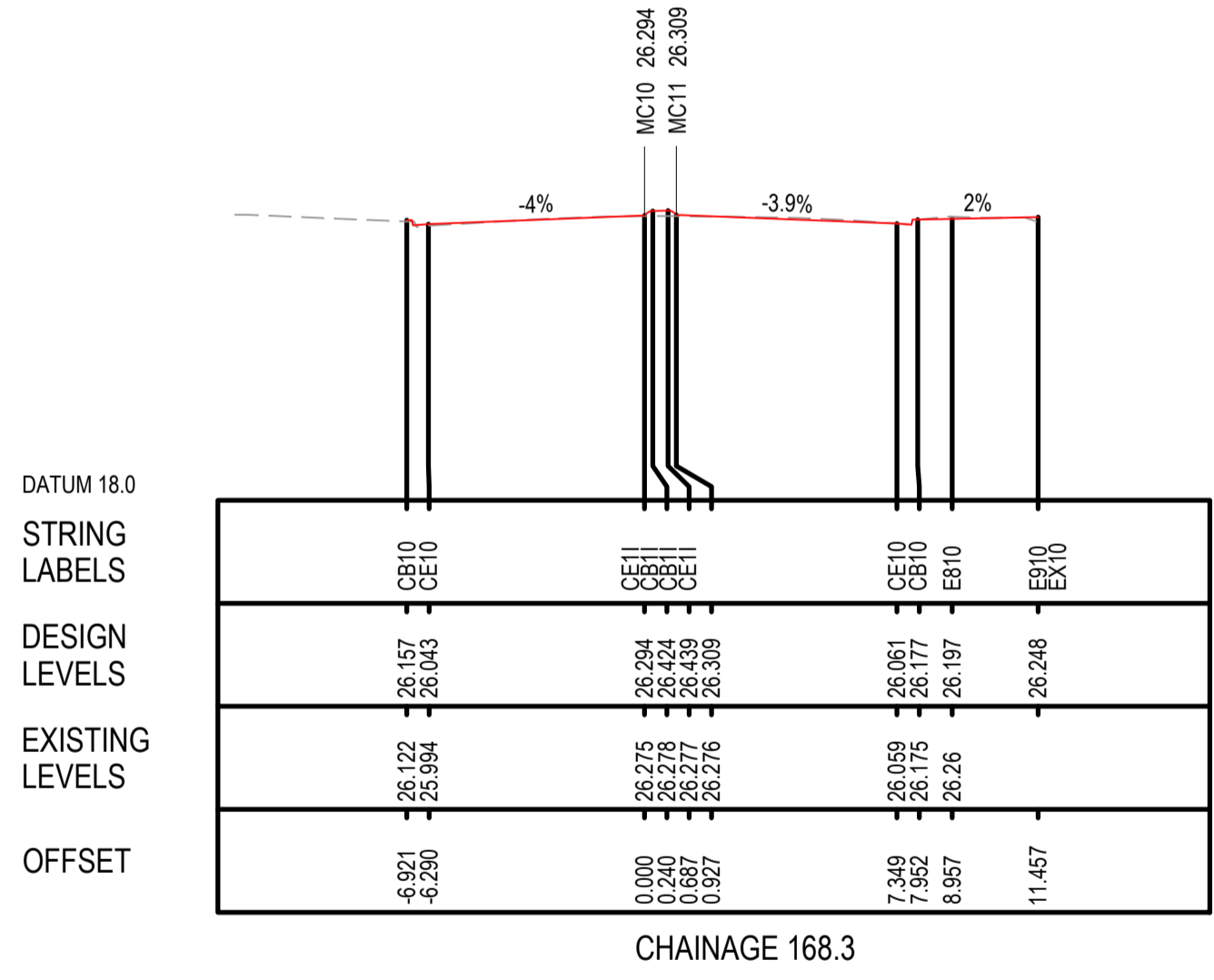
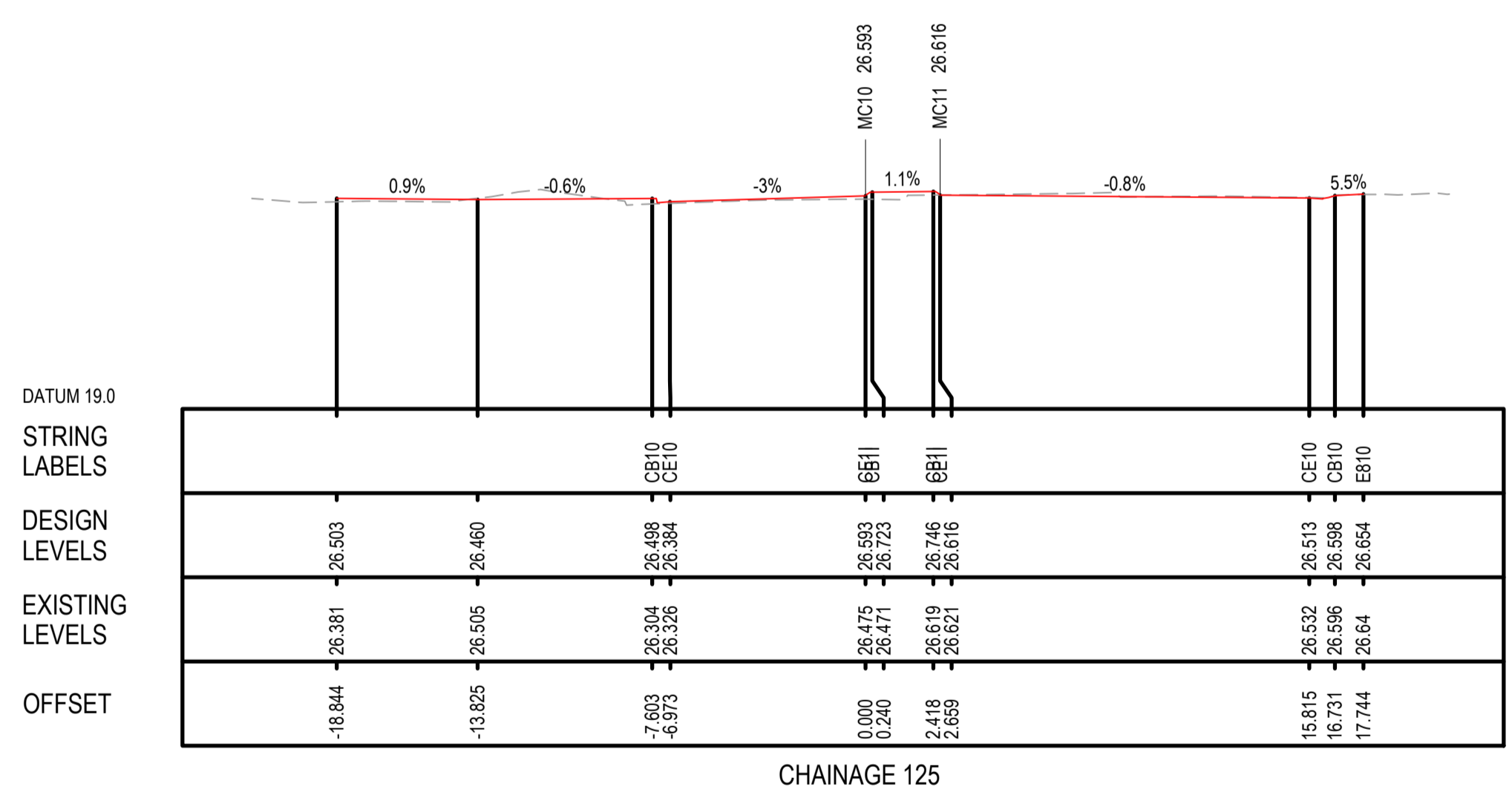
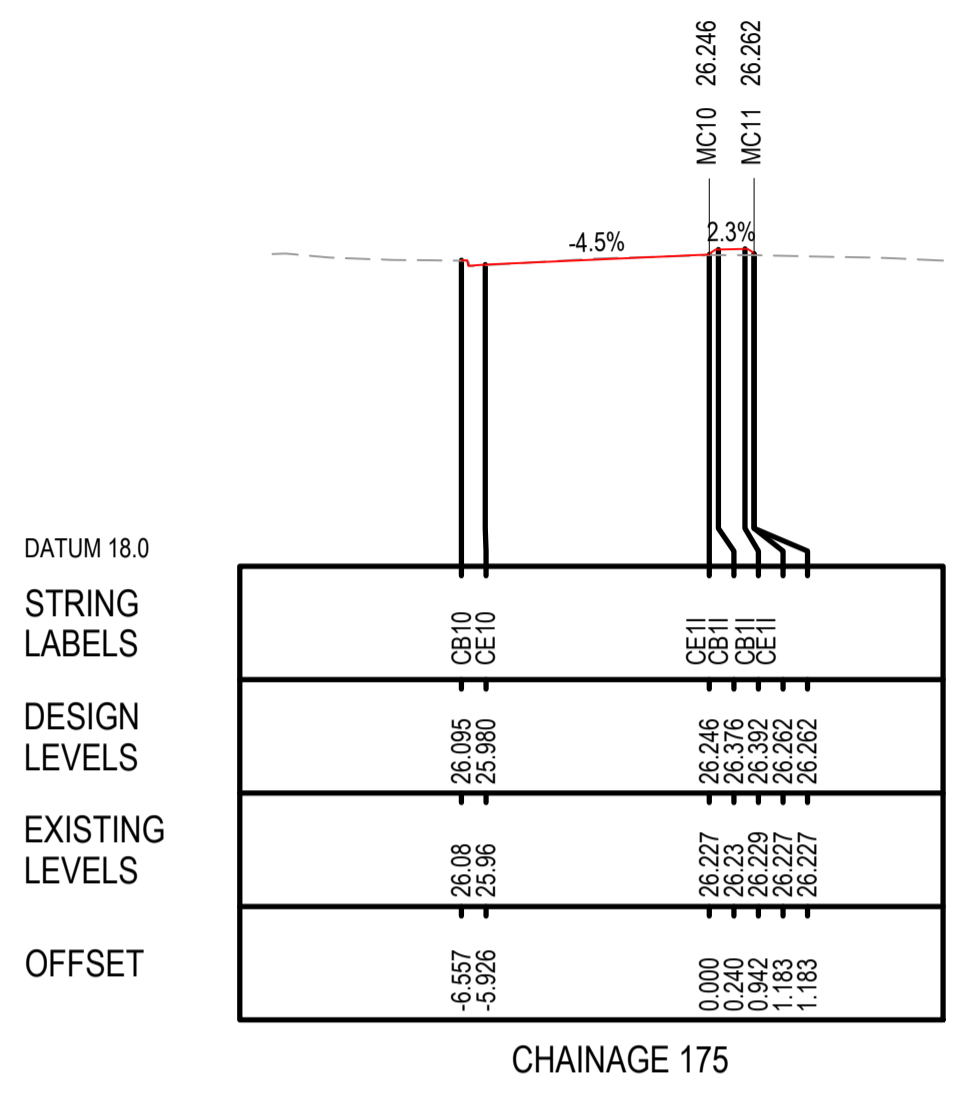
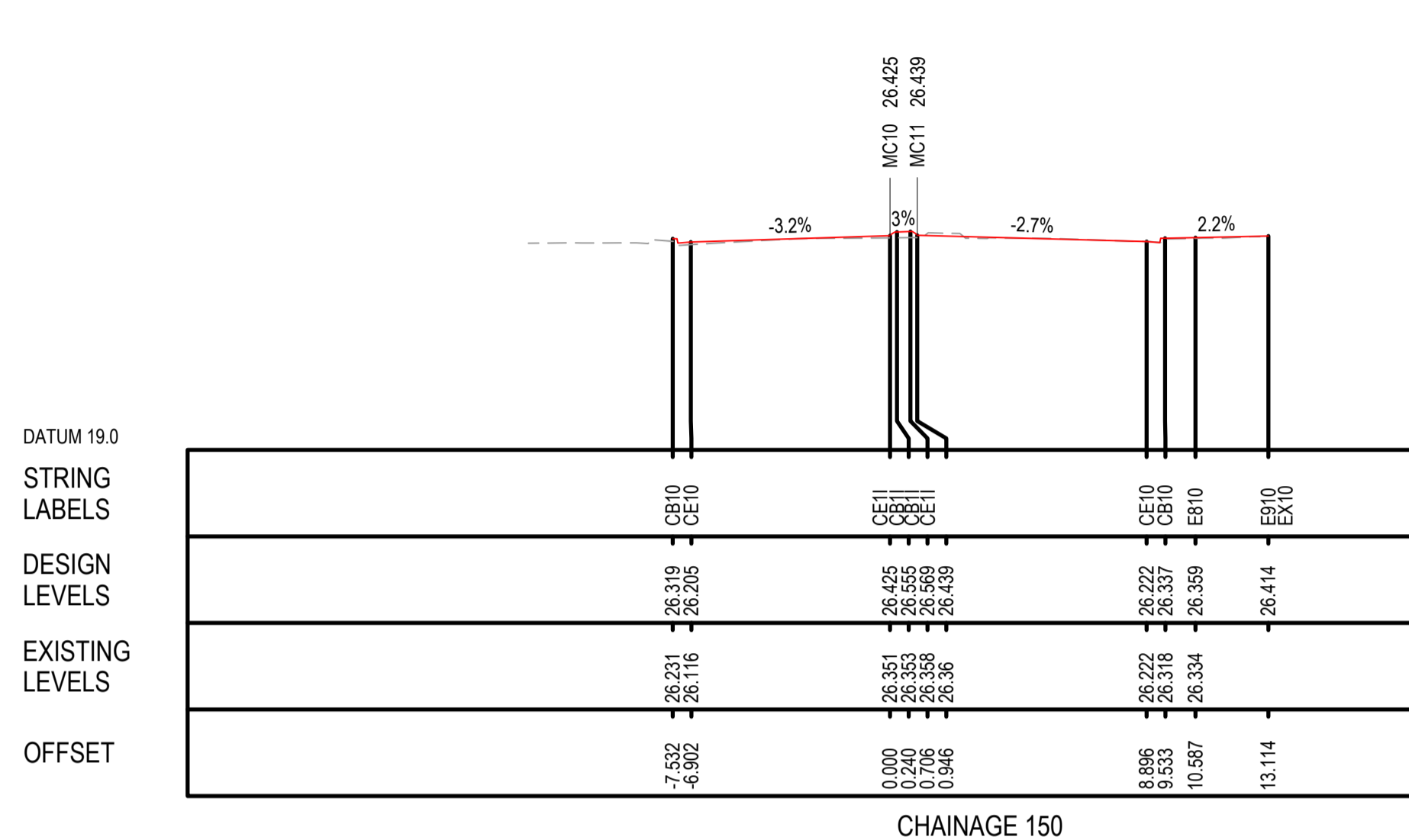
STANTEC CIVIL

DRAWN: H.KARBALAEI SADEGH 06.03.26  
 DESIGNED: S.PIYASENA 06.03.26  
 DRG CHECK: K.CURLEY 06.03.26  
 DESIGN CHECK: G.TASDEMIR 06.03.26  
 PROJ/DES MNGR: D.ATKINSON 06.03.26  
 APPROVED: D.ATKINSON 06.03.26

CITY OF PARRAMATTA COUNCIL  
 TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
 DESIGN AND DOCUMENTATION

ROAD ALIGNMENT AND DETAIL  
 CROSS SECTIONS - MC10 - SHEET 1

DRAWING SET No:	PART:	SHEET: 01 OF 02	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:		
DRG No: 305001822-STN-00-200-RW-DRG-003001	REV B	VER 0	EDMS No.



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REFERENCES:

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A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE

COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: AS SHOWN

SCALE 1:100 @A1

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

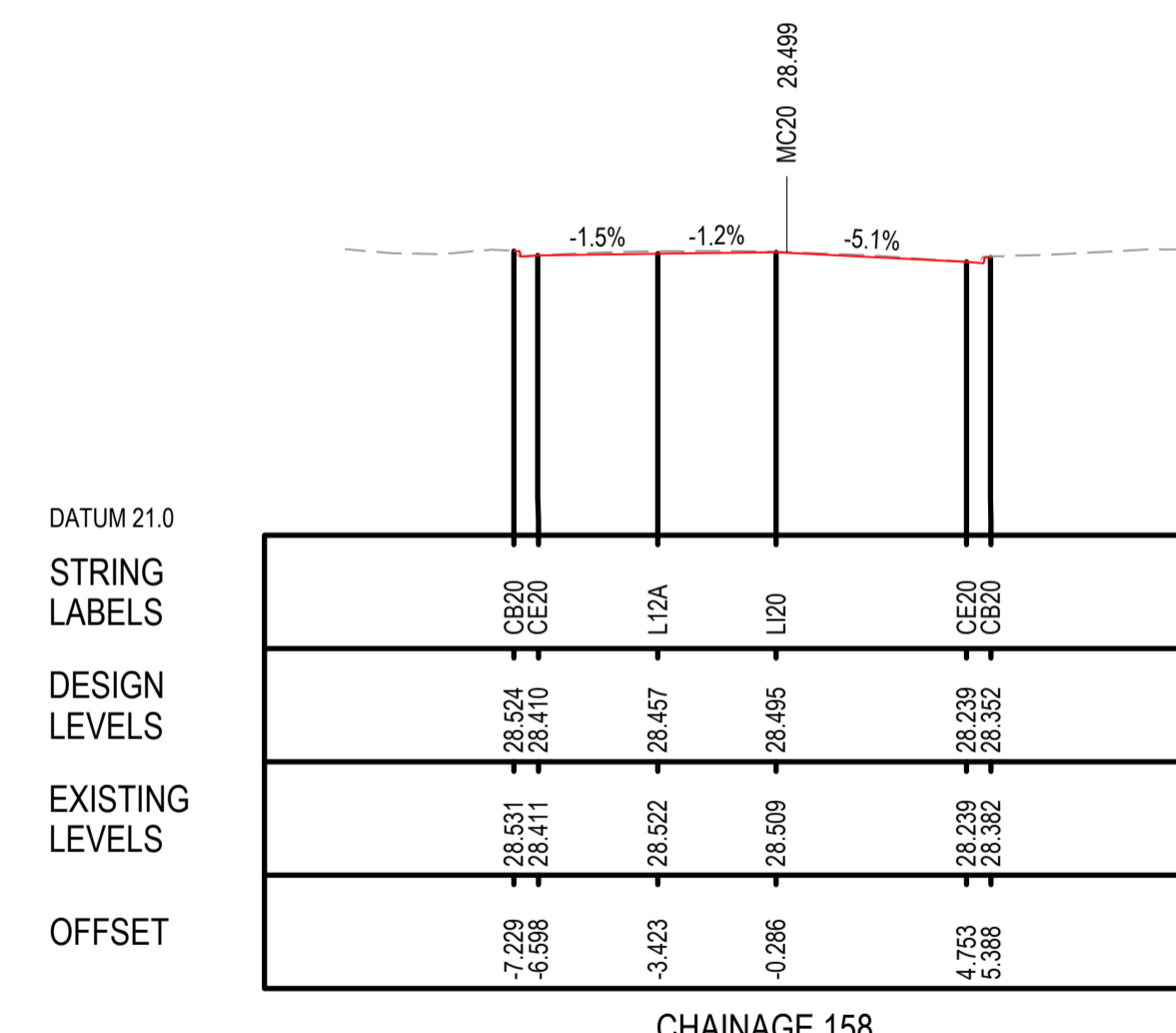
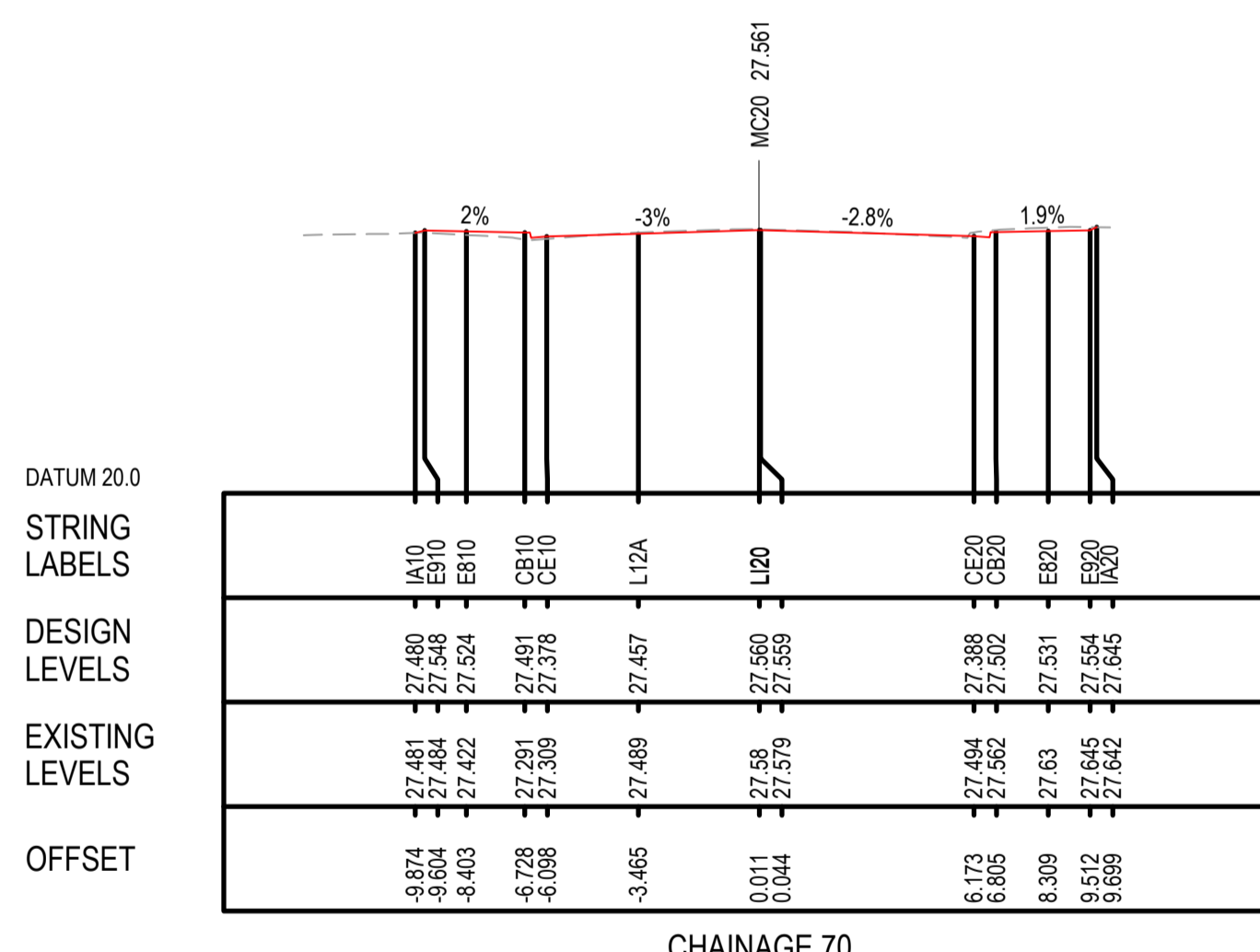
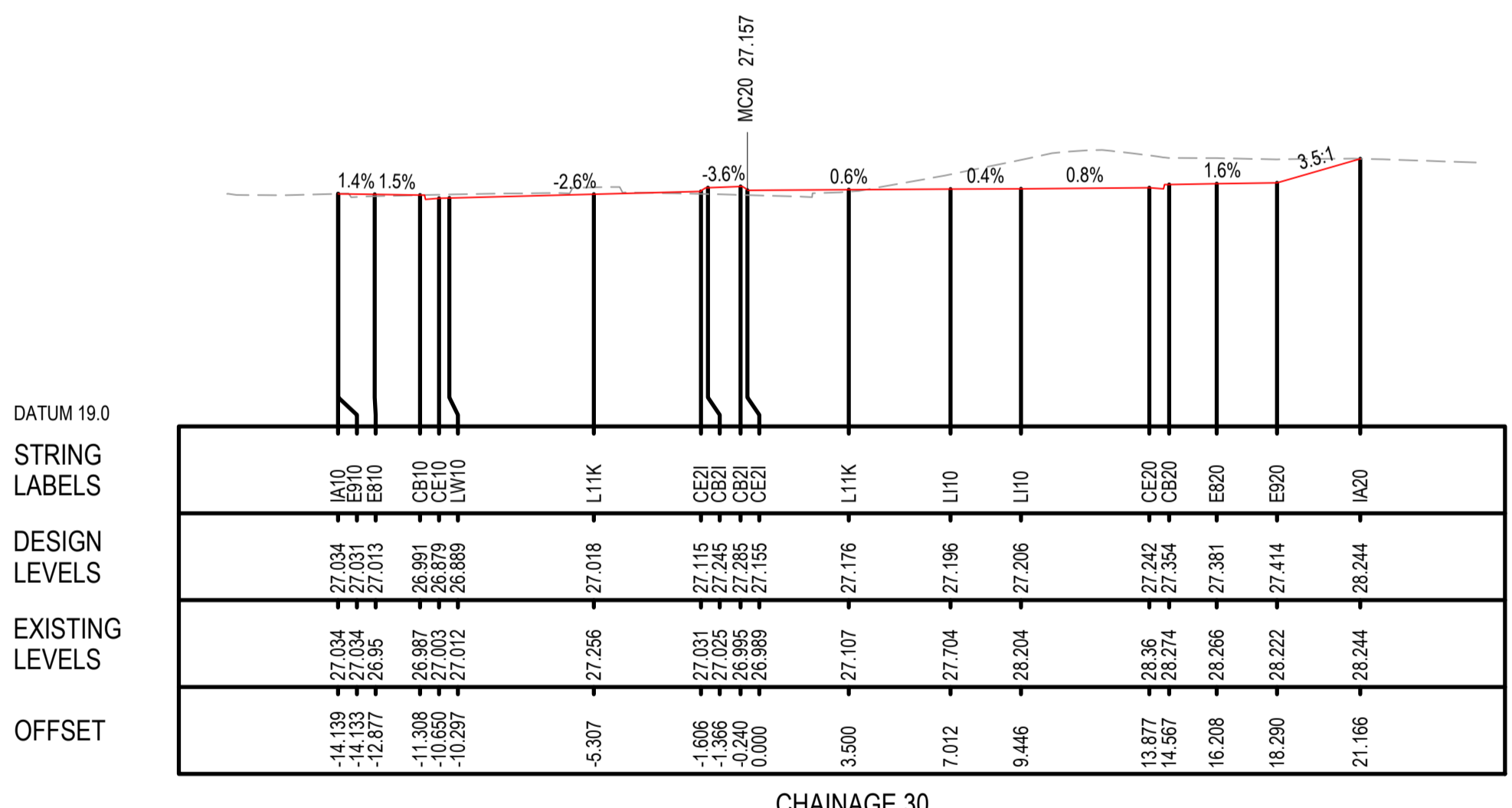
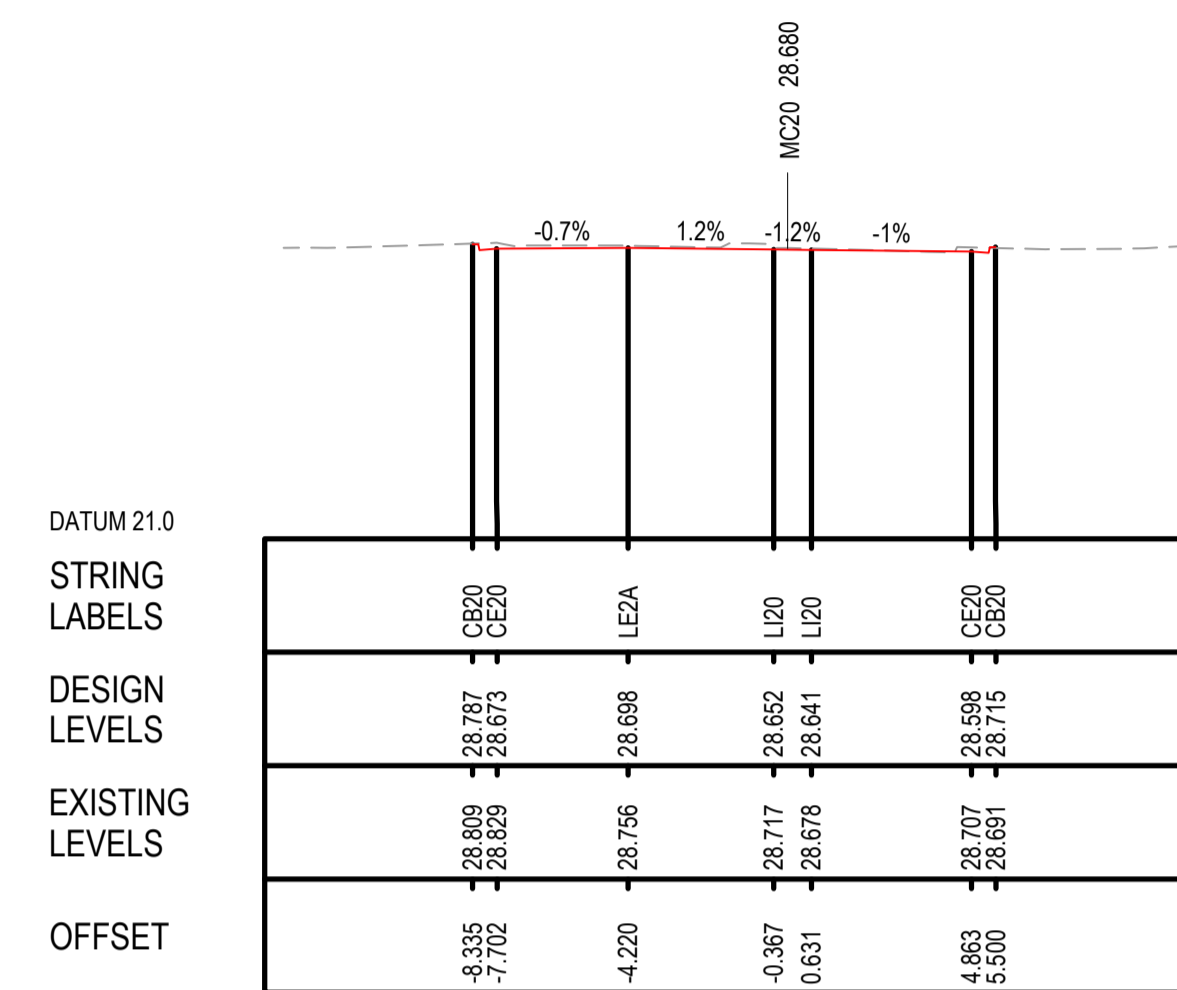
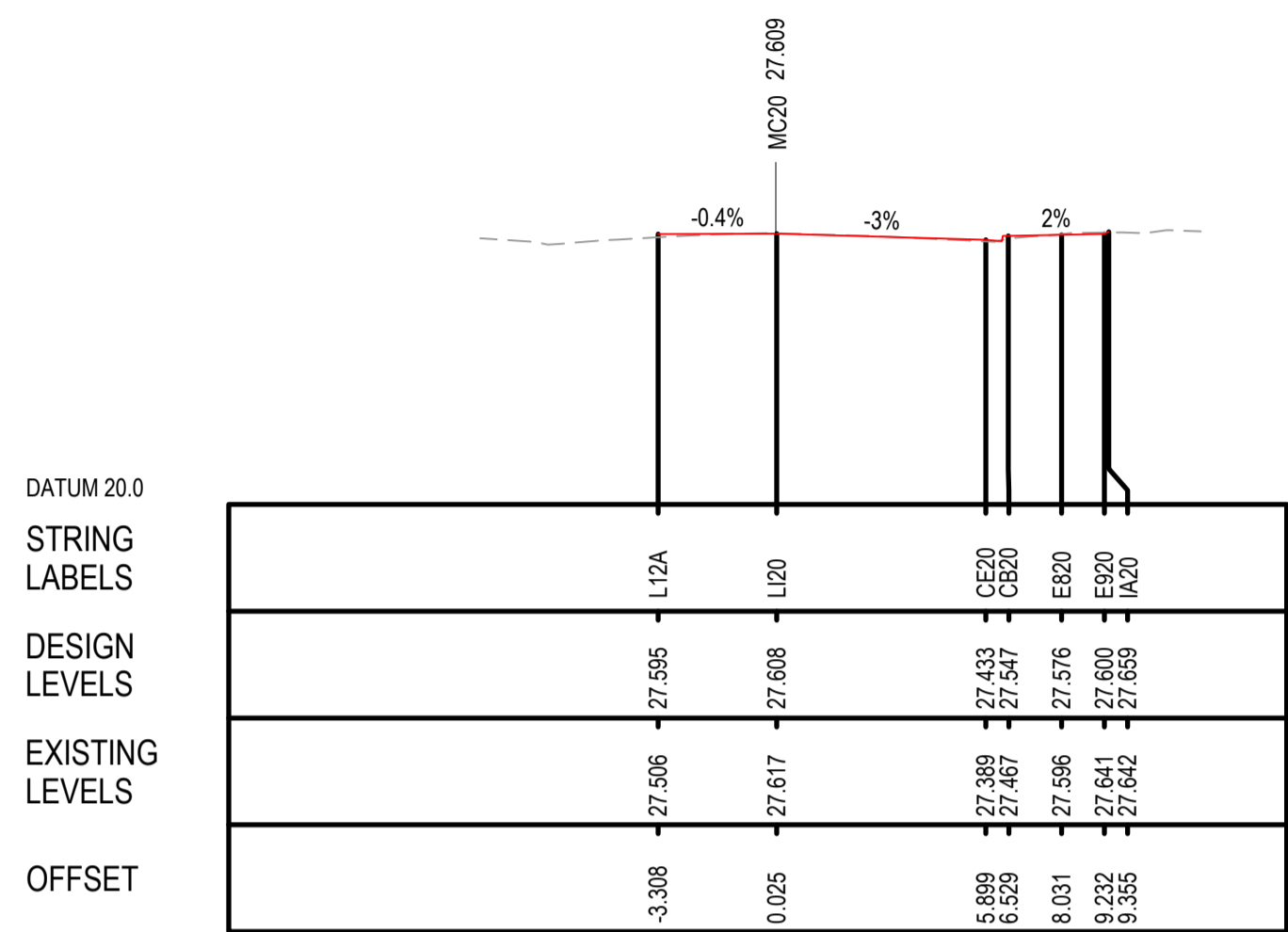
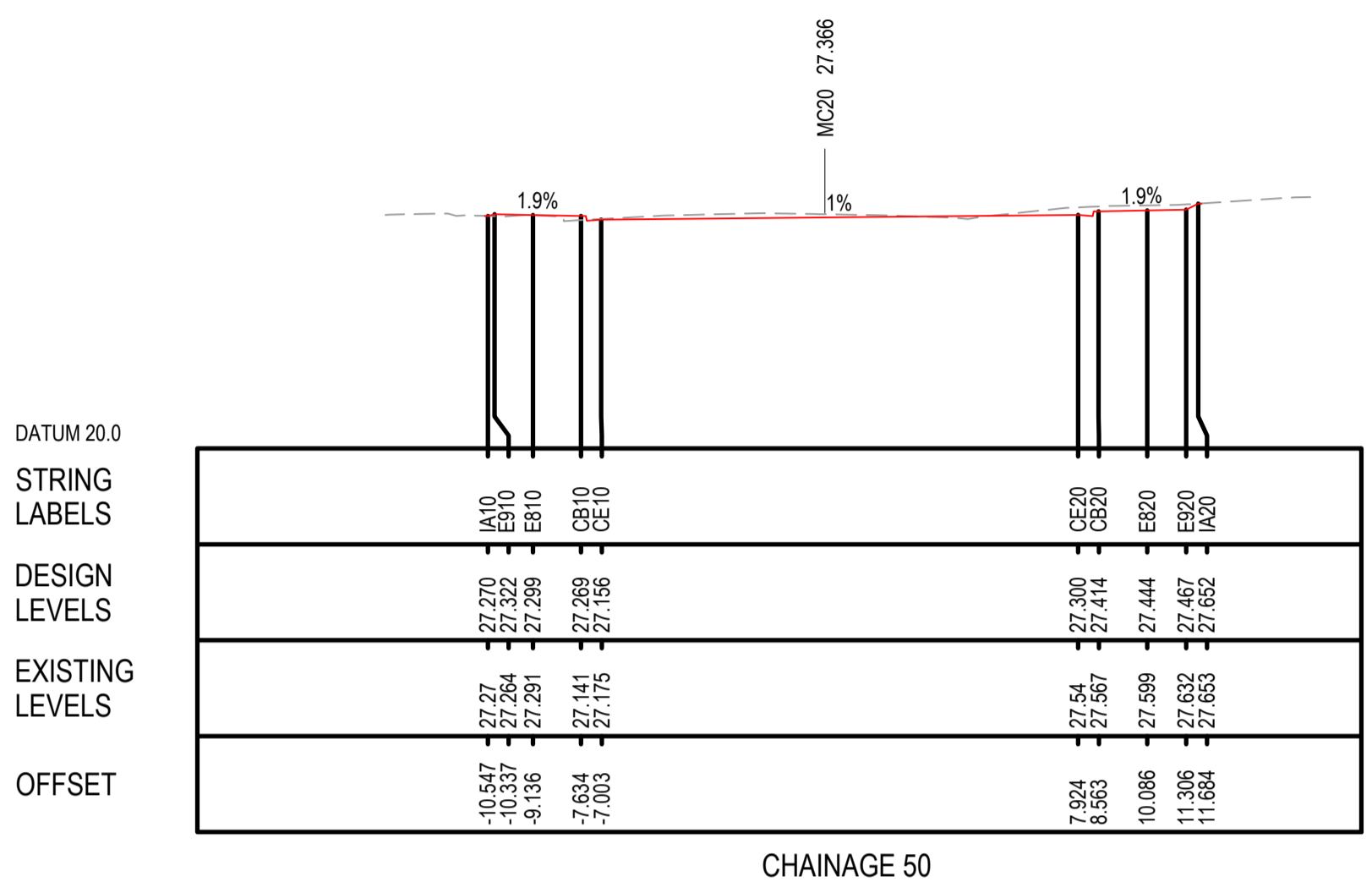
STANTEC CIVIL

DRAWN	H.KARBALAEI SADEGH	06.03.26
DESIGNED	S.PIYASENA	06.03.26
DRG CHECK	K.CURLEY	06.03.26
DESIGN CHECK	G.TASDEMIR	06.03.26
PROJ/DES MNGR	D. ATKINSON	06.03.26
APPROVED	D. ATKINSON	06.03.26

CITY OF PARRAMATTA COUNCIL  
TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
DESIGN AND DOCUMENTATION

ROAD ALIGNMENT AND DETAIL  
CROSS SECTIONS - MC10 - SHEET 2

DRAWING SET No:	PART:	SHEET: 02 OF 02	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:	©	
DRG No: 305001822-STN-00-200-RW-DRG-003002	REV B	VER 0	EDMS No. AMD No.



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REFERENCES:

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A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE

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COORDINATE SYSTEM: GDA1994 MGA56			
GDA2020		HEIGHT DATUM: AHD	

SCALE: AS SHOWN

SCALE 1:100 @A1

DESIGN LOT CODE:

CLIENT: CITY OF PARRAMATTA

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STANTEC CIVIL

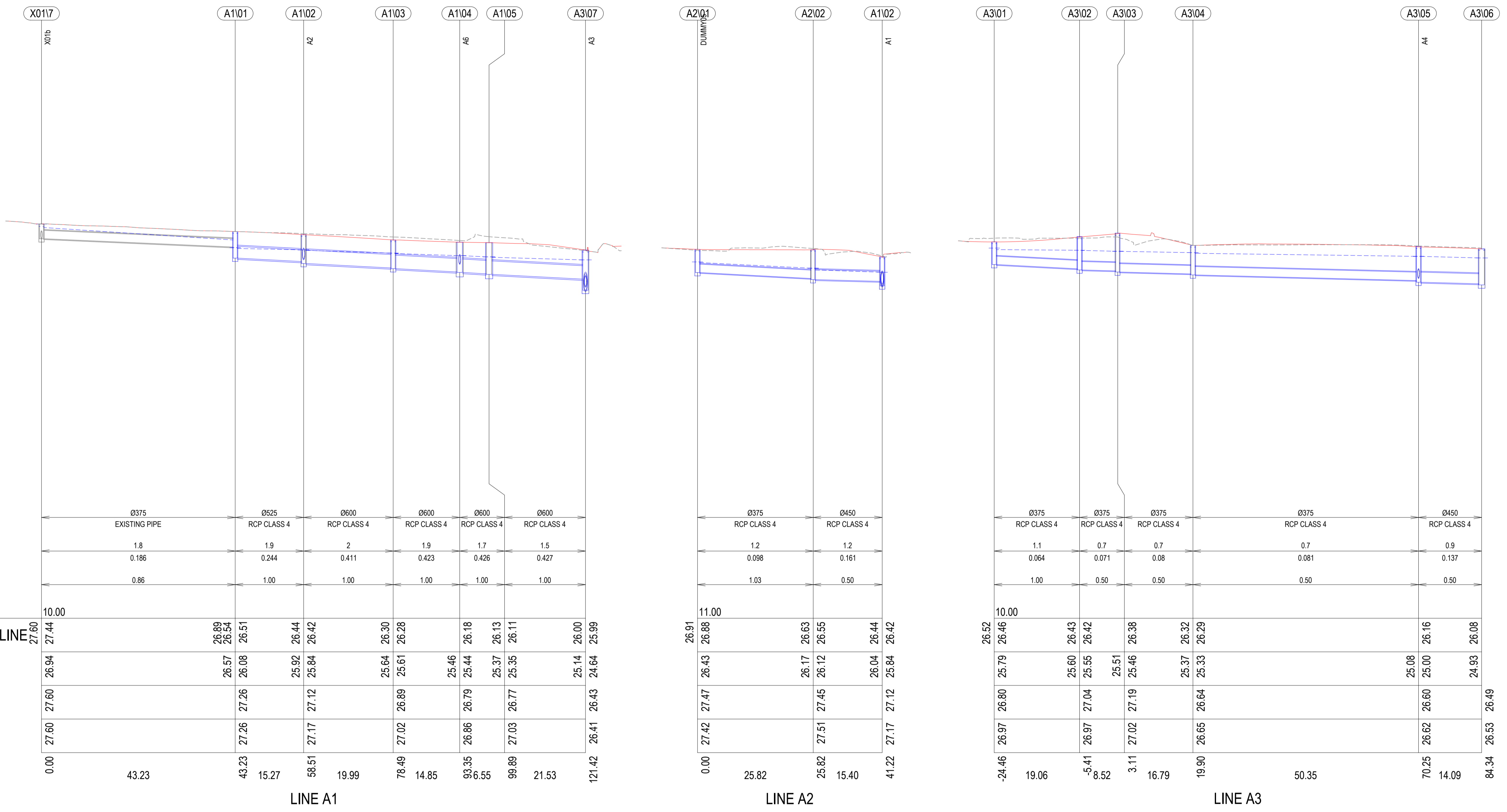
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DESIGNED	S.PIYASENA	06.03.26
DRG CHECK	K.CURLEY	06.03.26
DESIGN CHECK	G.TASDEMIR	06.03.26
PROJ/DES MNGR	D.ATKINSON	06.03.26
APPROVED	D.ATKINSON	06.03.26

CITY OF PARRAMATTA COUNCIL  
TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
DESIGN AND DOCUMENTATION

ROAD ALIGNMENT AND DETAIL  
CROSS SECTIONS - MC20 - SHEET 1

DRAWING SET No:	PART:	SHEET: 01 OF 02	A1
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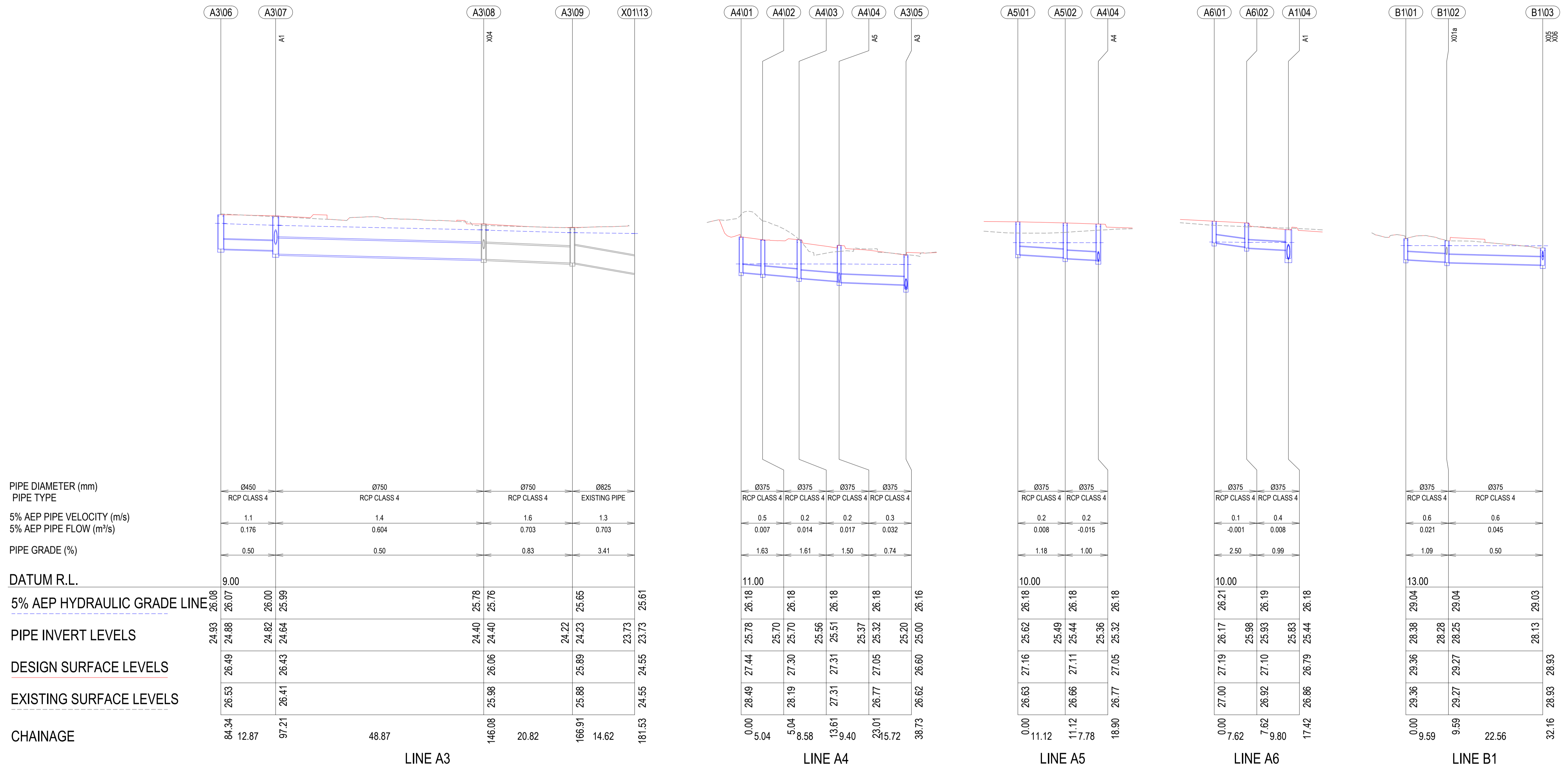
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<b>REFERENCES:</b> -MPT-DE-M3D-??	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.	SCALE: AS SHOWN 	CLIENT: PREPARED FOR:	This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.	CITY OF PARRAMAMTTA COUNCIL TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION STORMWATER MANAGEMENT LONG SECTIONS - SHEET 1
A.0 ISSUED FOR 80% DETAILED DESIGN REV DESCRIPTION	SG / 06.03.26 DESIGNER INITIAL/DATE	BW / 06.03.26 VERIFIED INITIAL/DATE	DA / 06.03.26 APPROVED INITIAL/DATE	DRAWN H.KARBALAEI SADEGH 06.03.26 DESIGNED S.GRIBBLE 06.03.26 DRG CHECK K.CURLEY 06.03.26 DESIGN CHECK B.WOLELO 06.03.26 PROJ/DES MNGR D.ATKINSON 06.03.26 APPROVED D.ATKINSON 06.03.26	DRAWING SET No: PART: SHEET: 01 OF 03 A1 STATUS: 80% DETAILED DESIGN BRIDGE No: © DRG No: 305001822-STN-00-200-SD-DRG-000501 REV A VER 0 EDMS No. AMD No.
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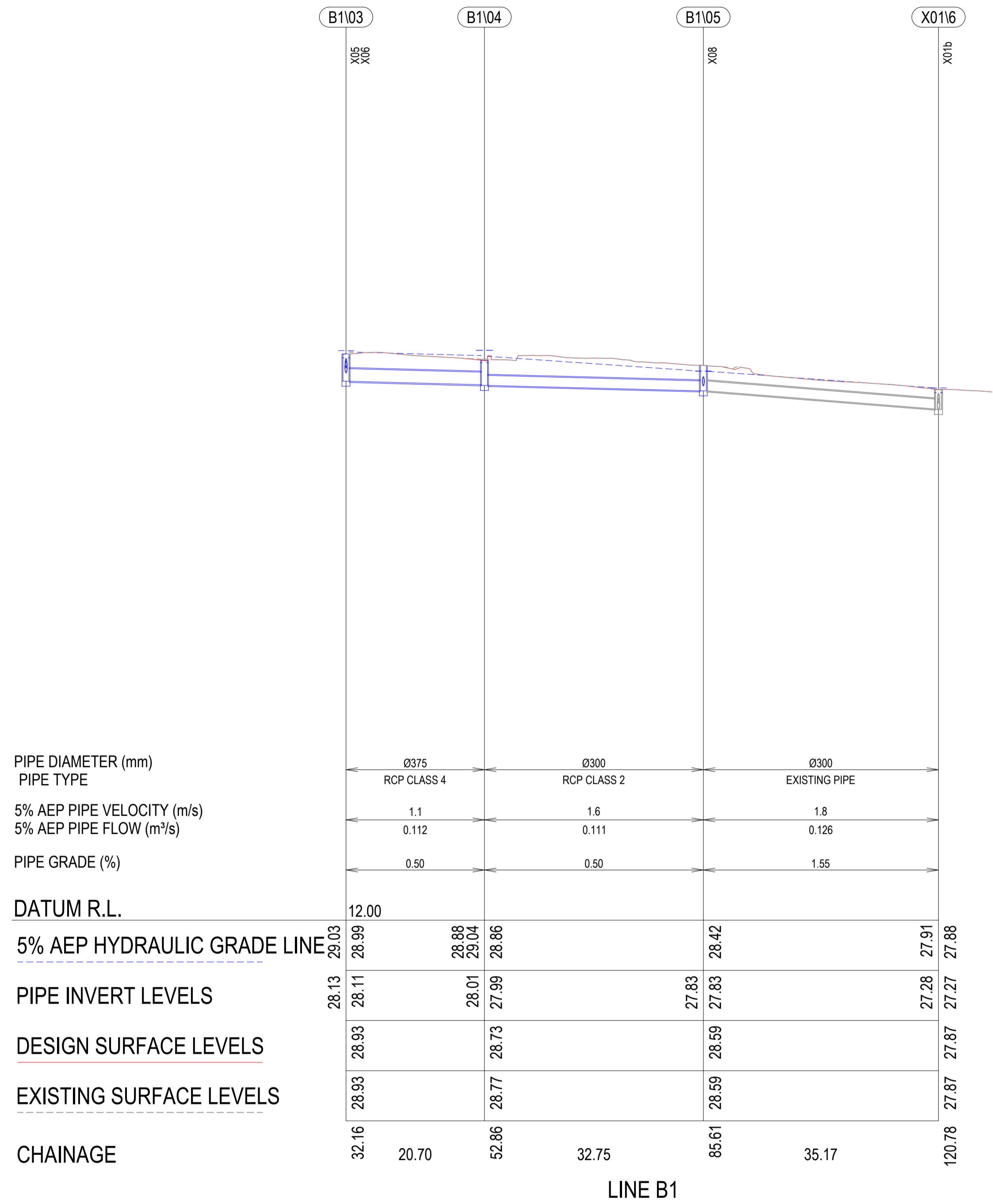


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<b>REFERENCES:</b> -MPT-DE-M3D-??	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.	SCALE: AS SHOWN SCALE 1:1000	CLIENT: PREPARED FOR:	This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.	CITY OF PARRAMATTA COUNCIL <b>TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</b> STORMWATER MANAGEMENT LONG SECTIONS - SHEET 2
A.0 ISSUED FOR 80% DETAILED DESIGN REV DESCRIPTION	SG / 06.03.26 DESIGNER INITIAL/DATE	BW / 06.03.26 VERIFIED INITIAL/DATE	DA / 06.03.27 APPROVED INITIAL/DATE	DRAWN H.KARBALAEI SADEGH 06.03.26 DESIGNED S.GRIBBLE 06.03.26 DRG CHECK K.CURLY 06.03.26 DESIGN CHECK B.WOLELO 06.03.26 PROJ/DES MNGR D. ATKINSON 06.03.26 APPROVED D. ATKINSON 06.03.26	DRAWING SET No: _____ PART: SHEET: 02 OF 03 A1 STATUS: 80% DETAILED DESIGN BRIDGE No: _____ DRG No: 305001822-STN-00-200-SD-DRG-000502 REV A VER 0 EDMS No. _____ AMD No. _____
COORDINATE SYSTEM: GDA1994 MGA56		HEIGHT DATUM: AHD		DESIGN LOT CODE: _____	

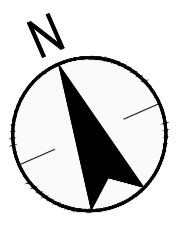


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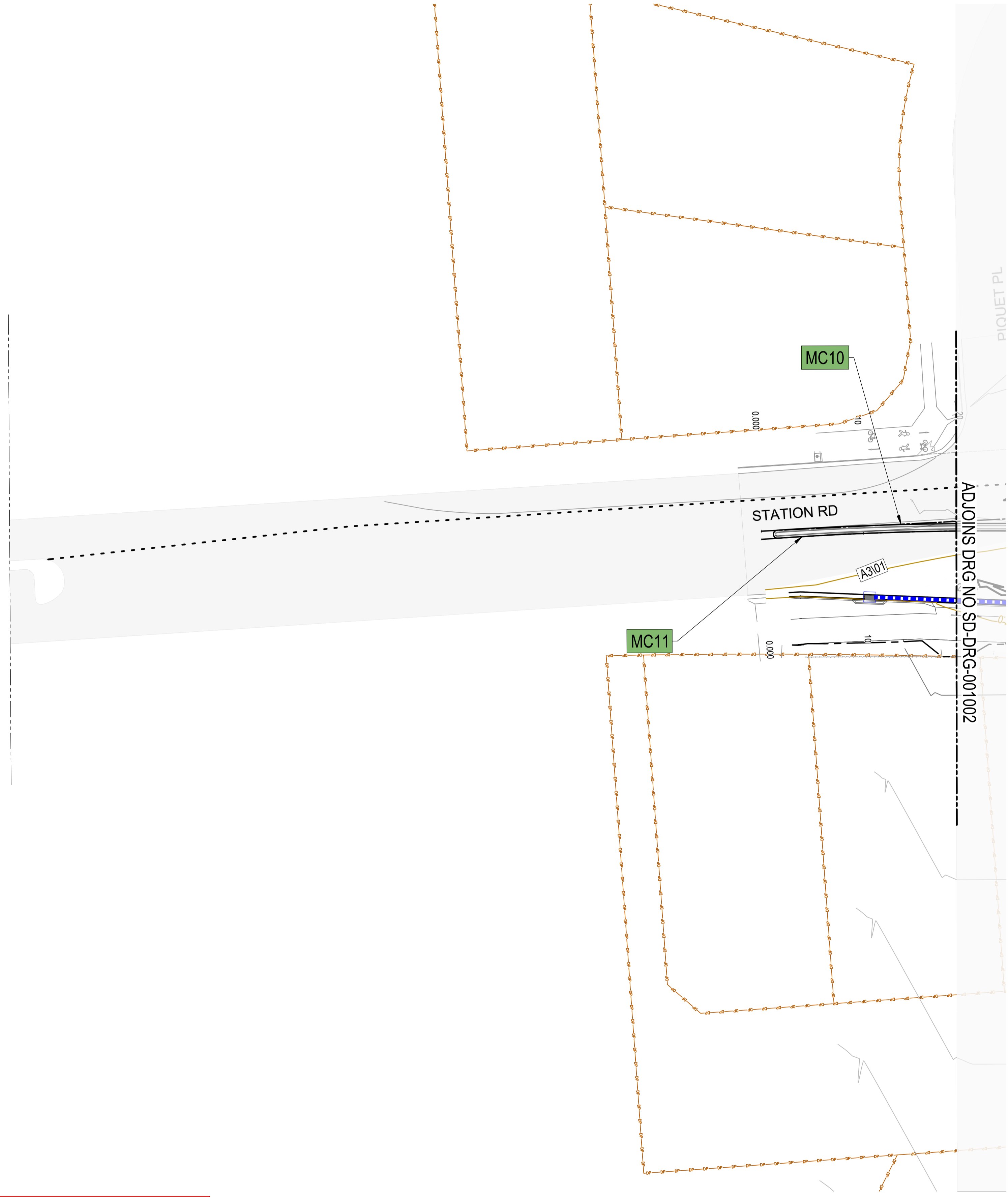
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<b>REFERENCES:</b> -MPT-DE-M3D-??	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.	SCALE: AS SHOWN 	CLIENT: PREPARED FOR:	This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.	CITY OF PARRAMAMTTA COUNCIL <b>TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</b> STORMWATER MANAGEMENT LONG SECTIONS - SHEET 3
A.0 ISSUED FOR 80% DETAILED DESIGN REV DESCRIPTION COORDINATE SYSTEM: GDA1994 MGA56	SG /06.03.26 DESIGNER INITIAL/DATE BW /06.03.26 VERIFIED INITIAL/DATE DA /06.03.28 APPROVED INITIAL/DATE HEIGHT DATUM: AHD	DESIGN LOT CODE:	DRAWN H.KARBALAEI SADEGH 06.03.26 DESIGNED S.GRIBBLE 06.03.26 DRG CHECK K.CURLEY 06.03.26 DESIGN CHECK B.WOLELO 06.03.26 PROJ/DES MNGR D. ATKINSON 06.03.26 APPROVED D. ATKINSON 06.03.26	DRAWING SET No: STATUS: 80% DETAILED DESIGN DRG No: 305001822-STN-00-200-SD-DRG-000503	PART: SHEET: 03 OF 03 A1 BRIDGE No: REV A VER 0 EDMS No. AMD No.



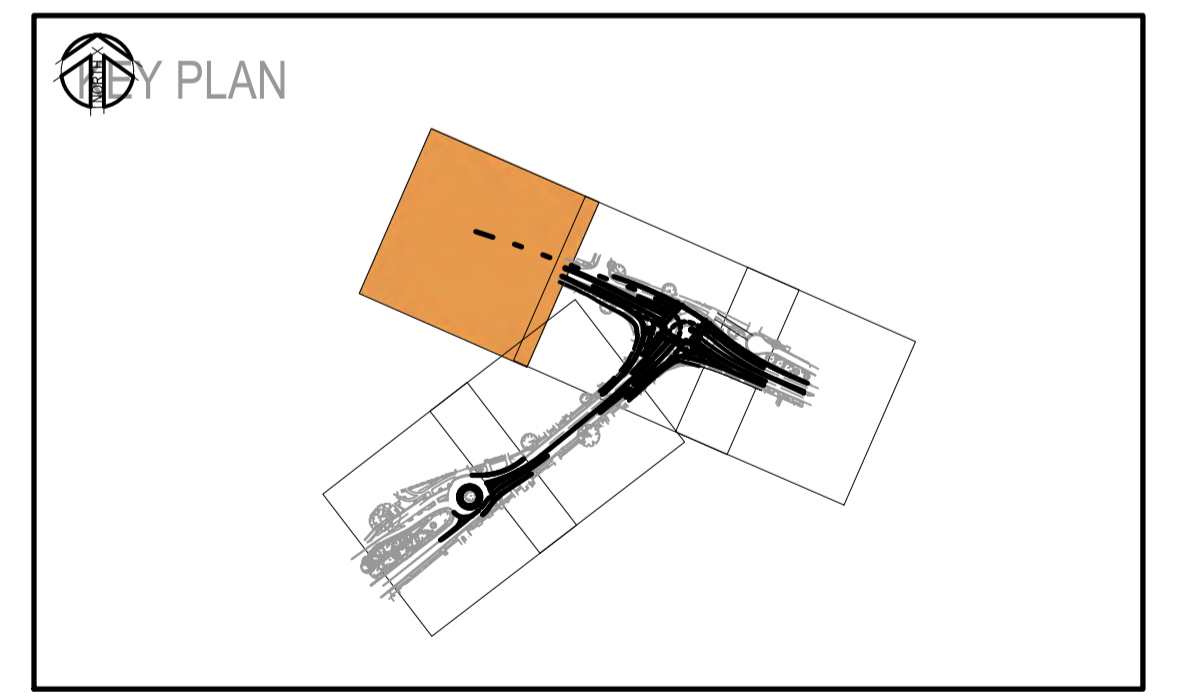
LIMIT OF WORKS



**LEGEND**

<span style="border: 1px solid black; padding: 2px;">MC10</span>	CONTROL ALIGNMENT LABEL
	CONTROL ALIGNMENT
	PROPOSED DESIGN
	EXISTING SURVEY
	EXISTING CADASTRAL BOUNDARY
	EXISTING PAVEMENT EXTENT
	EXISTING CONTOUR MAJOR
	EXISTING CONTOUR MINOR
	DESIGN CONTOUR MAJOR
	DESIGN CONTOUR MINOR
	DRAINAGE PIT LABEL
	PROPOSED DRAINAGE PIPE WITH DIAMETER AND DIRECTION OF FLOW
	PROPOSED ACO TD300 SLOPED GRATED CHANNEL
	PROPOSED DRAINAGE PIT
	EXISTING PIT
	EXISTING DRAINAGE TO BE RETAINED
	EXISTING DRAINAGE TO BE DECOMMISSIONED

- NOTES**
- FOR GENERAL NOTES REFER TO DRAWING GN-DRG-000021.
  - THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



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<p>REFERENCES:</p> <p>-MPT-DE-M3D-??</p>	<p>THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.</p>	<p>SCALE: 1:500</p>	<p>CLIENT:</p>	<p><small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small></p>	<p>CITY OF PARRAMATTA COUNCIL</p> <p><b>TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</b></p>														
				<p>DRAWN _____ H.KARBALAEI SADEGH _____ 06.03.26</p> <p>DESIGNED _____ S.GRIBBLE _____ 06.03.26</p> <p>DRG CHECK _____ K.CURLEY _____ 06.03.26</p> <p>DESIGN CHECK _____ B.WOLELO _____ 06.03.26</p> <p>PROJ/DES MNGR _____ D.ATKINSON _____ 06.03.26</p> <p>APPROVED _____ D.ATKINSON _____ 06.03.26</p>	<p>STORMWATER MANAGEMENT</p> <p>PLAN - SHEET 1</p>														
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DESIGNER INITIAL/DATE</th> <th>VERIFIED INITIAL/DATE</th> <th>APPROVED INITIAL/DATE</th> </tr> </thead> <tbody> <tr> <td>B.0</td> <td>ISSUED FOR 80% DETAILED DESIGN</td> <td>SG / 06.03.26</td> <td>BW / 06.03.26</td> <td>DA / 06.03.26</td> </tr> <tr> <td>A.0</td> <td>ISSUED FOR 50% DETAILED DESIGN</td> <td>SG / 29.07.25</td> <td>BW / 29.07.25</td> <td>DA / 29.07.25</td> </tr> </tbody> </table>	REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE	B.0	ISSUED FOR 80% DETAILED DESIGN	SG / 06.03.26	BW / 06.03.26	DA / 06.03.26	A.0	ISSUED FOR 50% DETAILED DESIGN	SG / 29.07.25	BW / 29.07.25	DA / 29.07.25		<p>PREPARED FOR:</p>	<p>DRAWING SET No: _____ PART: _____ SHEET: 01 OF 05 A1</p> <p>STATUS: 80% DETAILED DESIGN BRIDGE No: _____</p> <p>DRG No: 305001822-STN-00-200-SD-DRG-001001 REV B VER 0 EDMS No. _____ AMD No. _____</p>
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE															
B.0	ISSUED FOR 80% DETAILED DESIGN	SG / 06.03.26	BW / 06.03.26	DA / 06.03.26															
A.0	ISSUED FOR 50% DETAILED DESIGN	SG / 29.07.25	BW / 29.07.25	DA / 29.07.25															
	<p>COORDINATE SYSTEM: GDA1994 MGA56 </p> <p>HEIGHT DATUM: AHD</p>	<p>DESIGN LOT CODE:</p>		<p>STANTEC CIVIL</p>															

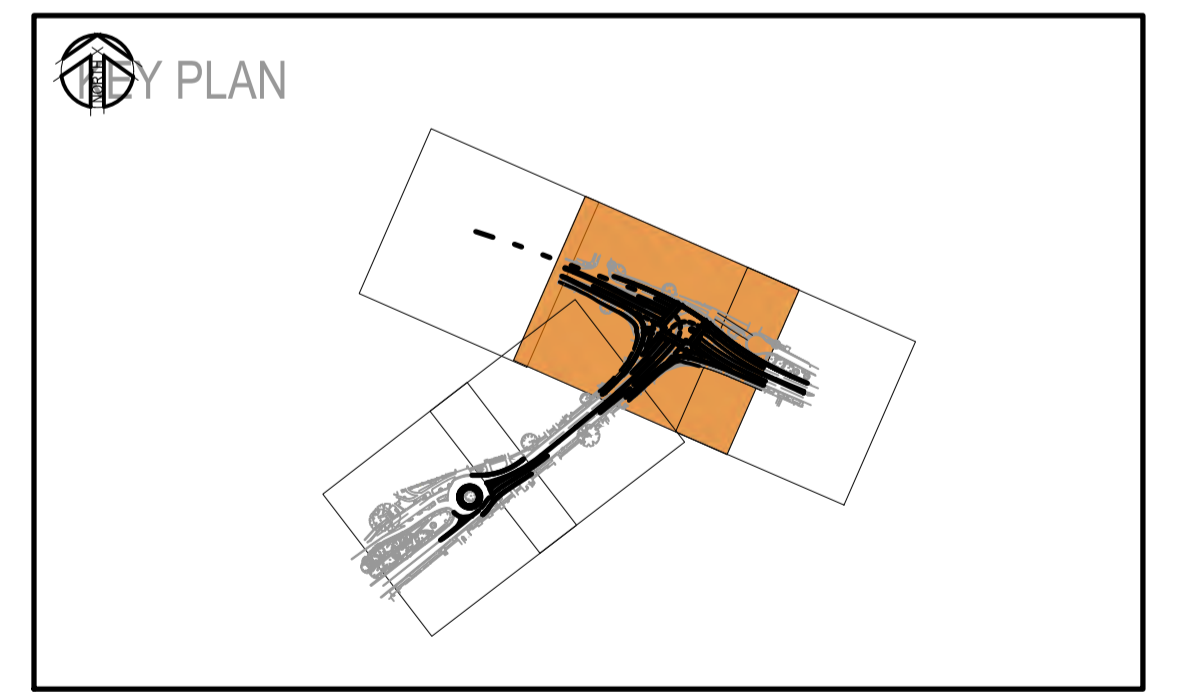


**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED DESIGN
- EXISTING SURVEY
- EXISTING CADASTRAL BOUNDARY
- EXISTING PAVEMENT EXTENT
- EXISTING CONTOUR MAJOR
- EXISTING CONTOUR MINOR
- DESIGN CONTOUR MAJOR
- DESIGN CONTOUR MINOR
- DRAINAGE PIT LABEL
- PROPOSED DRAINAGE PIPE WITH DIAMETER AND DIRECTION OF FLOW
- PROPOSED ACO TD300 SLOPED GRATED CHANNEL
- PROPOSED DRAINAGE PIT
- EXISTING PIT
- EXISTING DRAINAGE TO BE RETAINED
- EXISTING DRAINAGE TO BE DECOMMISSIONED

**NOTES**

1. FOR GENERAL NOTES REFER TO DRAWING GN-DRG-000021.
2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



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A.0	ISSUED FOR 50% DETAILED DESIGN	SG / 29.07.25	BW / 29.07.25	DA / 29.07.25
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE

COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: 1:500

SCALE 1:250 @A1

DESIGN LOT CODE:

CLIENT:

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STANTEC CIVIL

DRAWN	H.KARBALAEI SADEGH	06.03.26
DESIGNED	S.GRIBBLE	06.03.26
DRG CHECK	K.CURLEY	06.03.26
DESIGN CHECK	B.WOLELO	06.03.26
PROJ/DES MNGR	D.ATKINSON	06.03.26
APPROVED	D.ATKINSON	06.03.26

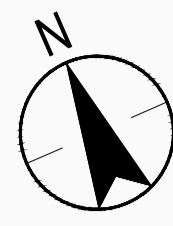
CITY OF PARRAMATTA COUNCIL

**TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION**

STORMWATER MANAGEMENT  
PLAN - SHEET 2

DRAWING SET No:	PART:	SHEET: 02 OF 05	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:		
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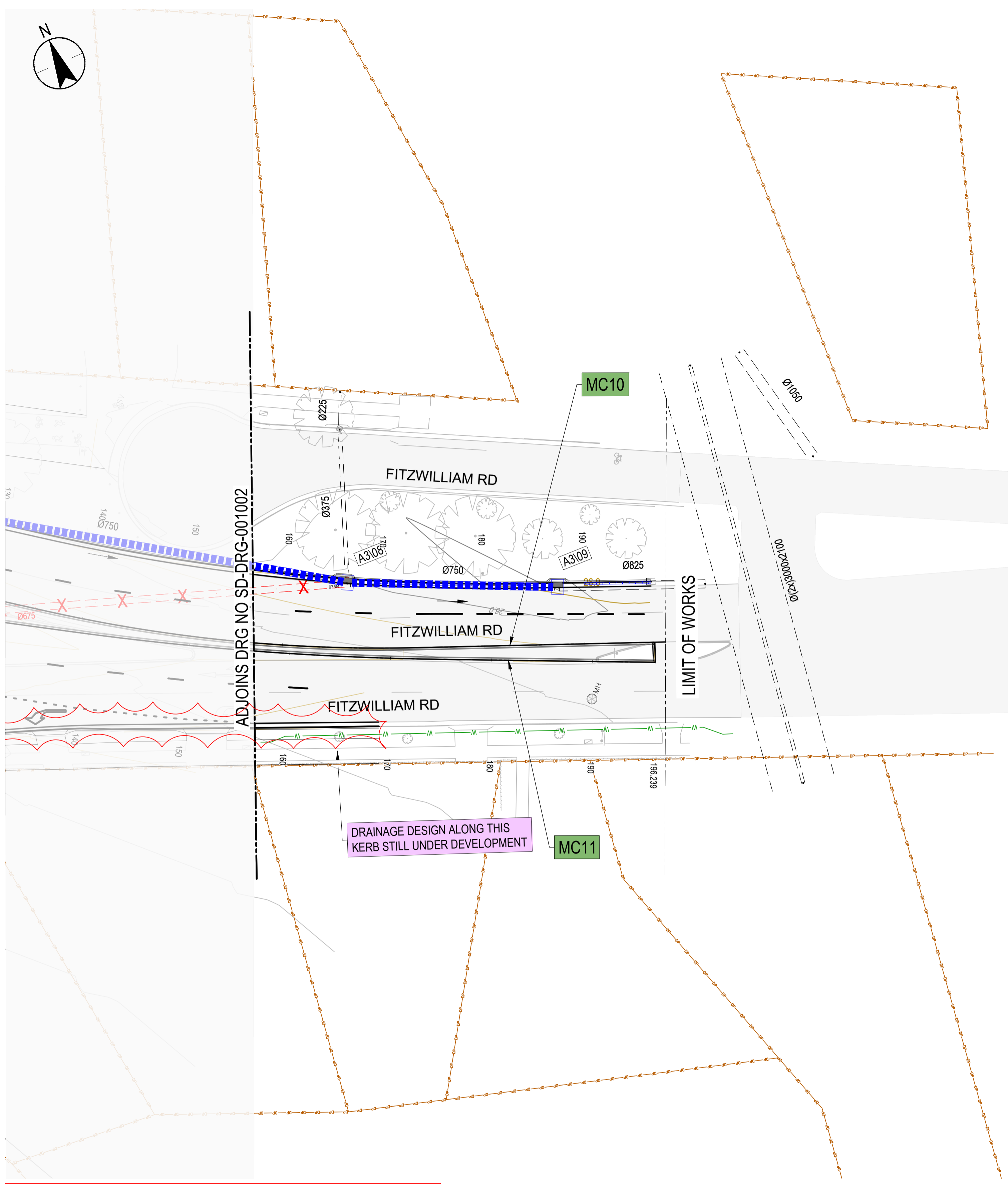
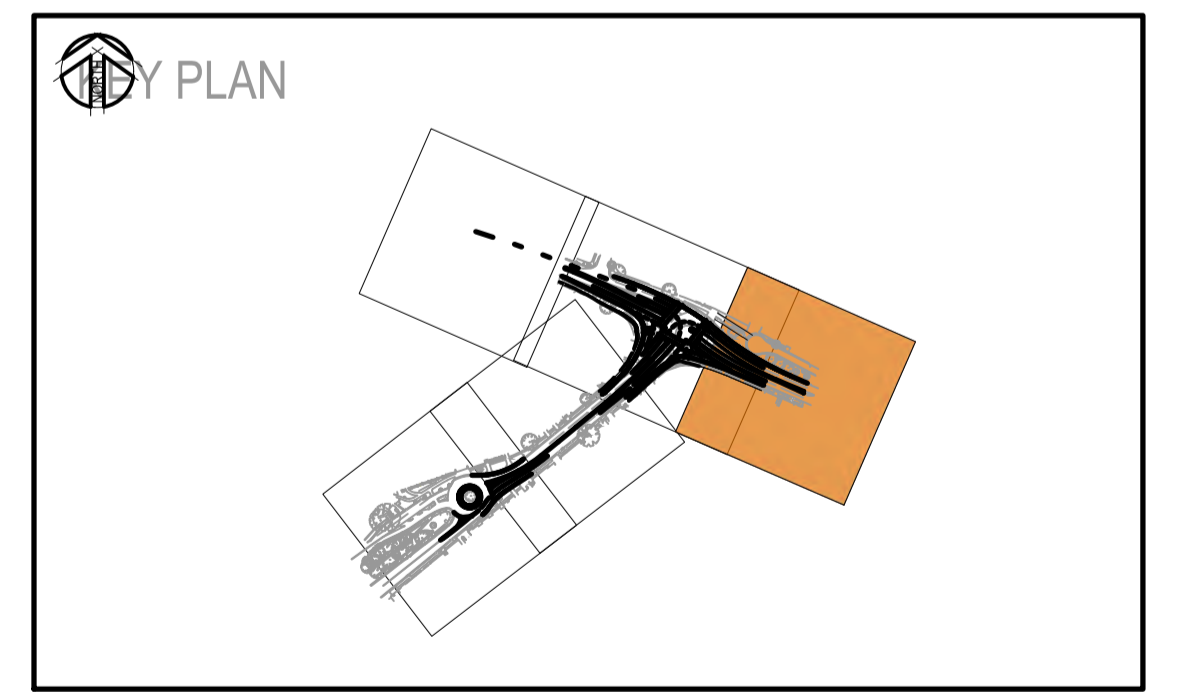


**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED DESIGN
- EXISTING SURVEY
- EXISTING CADASTRAL BOUNDARY
- EXISTING PAVEMENT EXTENT
- EXISTING CONTOUR MAJOR
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- PROPOSED ACO TD300 SLOPED GRATED CHANNEL
- PROPOSED DRAINAGE PIT
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A.0	ISSUED FOR 50% DETAILED DESIGN	SG / 29.07.25	BW / 29.07.25	DA / 29.07.25
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE

COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: 1:500

SCALE 1:250

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

**Stantec**

STANTEC CIVIL

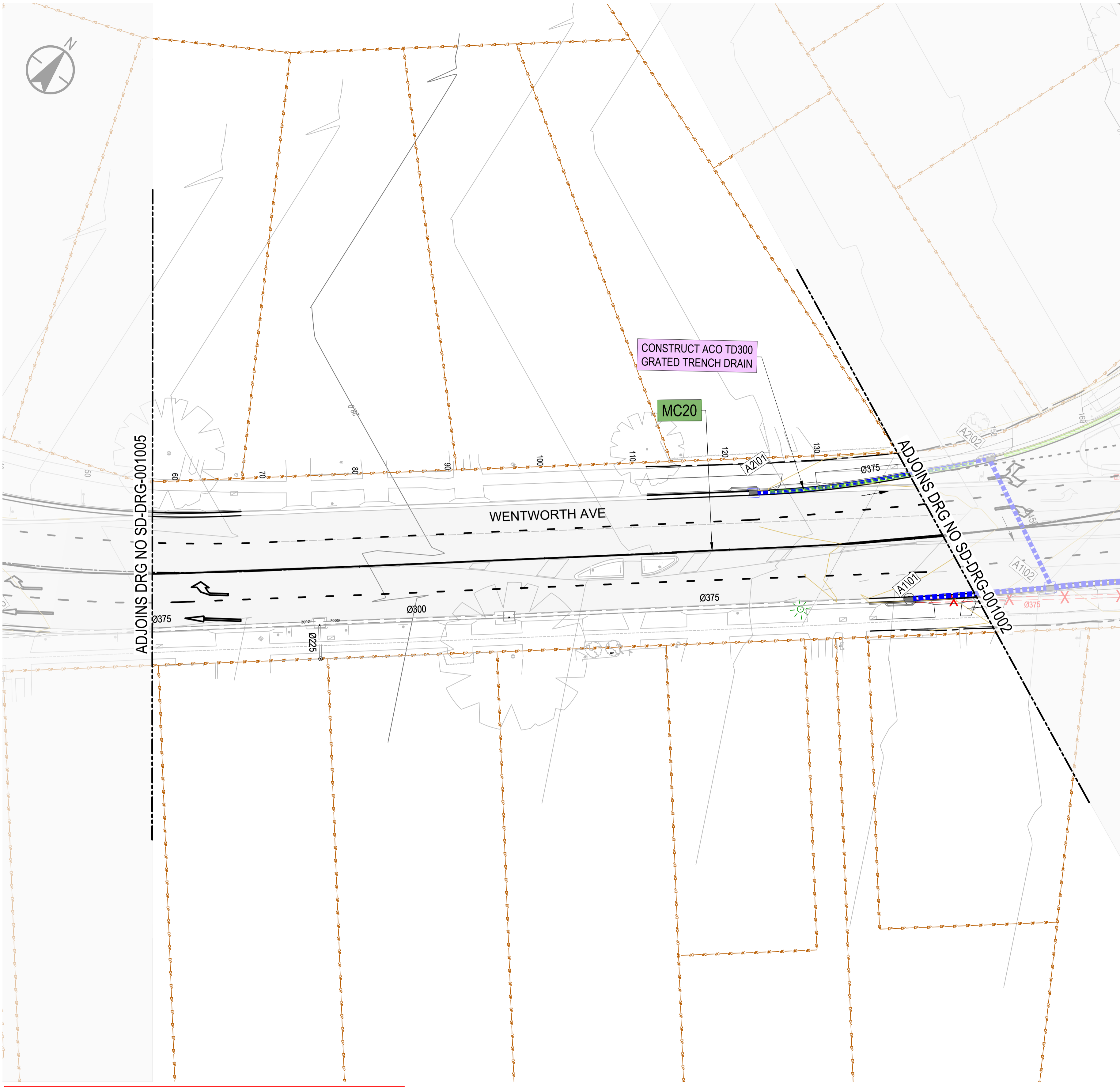
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DESIGN CHECK	B.WOLELO	06.03.26
PROJ/DES MNGR	D.ATKINSON	06.03.26
APPROVED	D.ATKINSON	06.03.26

CITY OF PARRAMATTA COUNCIL  
TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
DESIGN AND DOCUMENTATION

STORMWATER MANAGEMENT  
PLAN - SHEET 3

DRAWING SET No:	PART:	SHEET: 03 OF 05	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:		
DRG No: 305001822-STN-00-200-SD-DRG-001003	REV B	VER 0	EDMS No. AMD No.

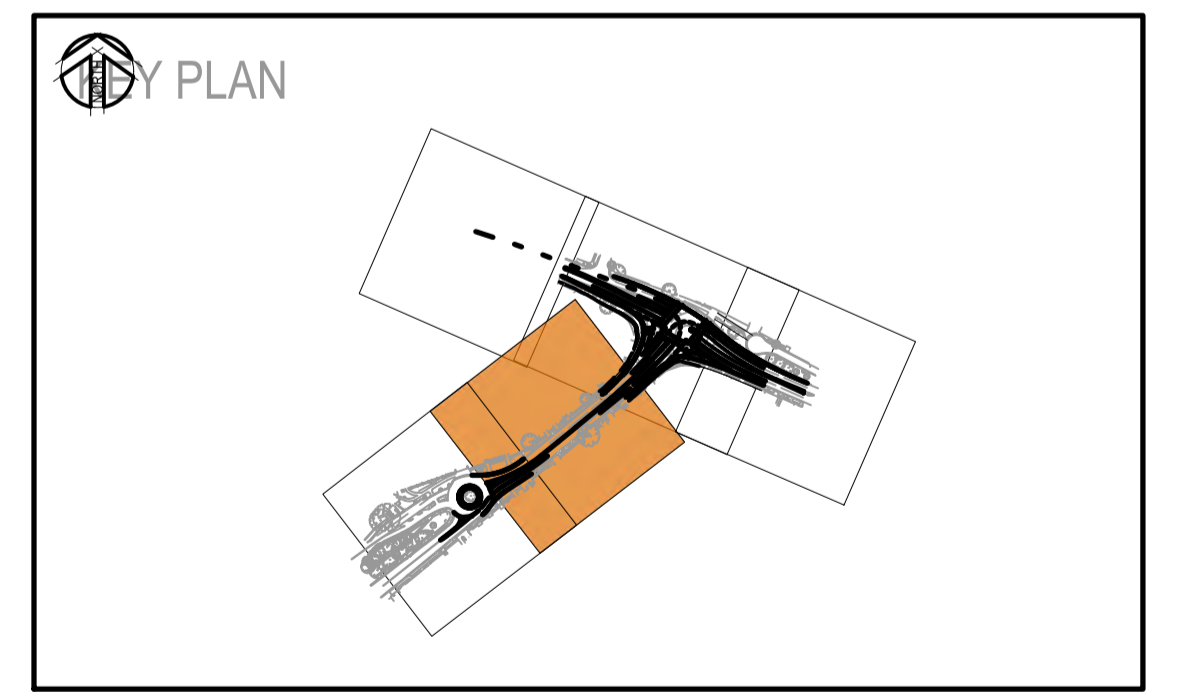
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**LEGEND**

	CONTROL ALIGNMENT LABEL
	CONTROL ALIGNMENT
	PROPOSED DESIGN
	EXISTING SURVEY
	EXISTING CADASTRAL BOUNDARY
	EXISTING PAVEMENT EXTENT
	EXISTING CONTOUR MAJOR
	EXISTING CONTOUR MINOR
	DESIGN CONTOUR MAJOR
	DESIGN CONTOUR MINOR
	DRAINAGE PIT LABEL
	PROPOSED DRAINAGE PIPE WITH DIAMETER AND DIRECTION OF FLOW
	PROPOSED ACO TD300 SLOPED GRATED CHANNEL
	PROPOSED DRAINAGE PIT
	EXISTING PIT
	EXISTING DRAINAGE TO BE RETAINED
	EXISTING DRAINAGE TO BE DECOMMISSIONED

- NOTES**
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REFERENCES:

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B.0	ISSUED FOR 80% DETAILED DESIGN	SG / 06.03.26	BW / 06.03.26	DA / 06.03.26
A.0	ISSUED FOR 50% DETAILED DESIGN	SG / 29.07.25	BW / 29.07.25	DA / 29.07.25
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE

COORDINATE SYSTEM: GDA1994 MGA56

SCALE: 1:500

SCALE 1:250

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

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**Stantec**

STANTEC CIVIL

DRAWN	H.KARBALAEI SADEGH	06.03.26
DESIGNED	S.GRIBBLE	06.03.26
DRG CHECK	K.CURLEY	06.03.26
DESIGN CHECK	B.WOLELO	06.03.26
PROJ/DES MNGR	D.ATKINSON	06.03.26
APPROVED	D.ATKINSON	06.03.26

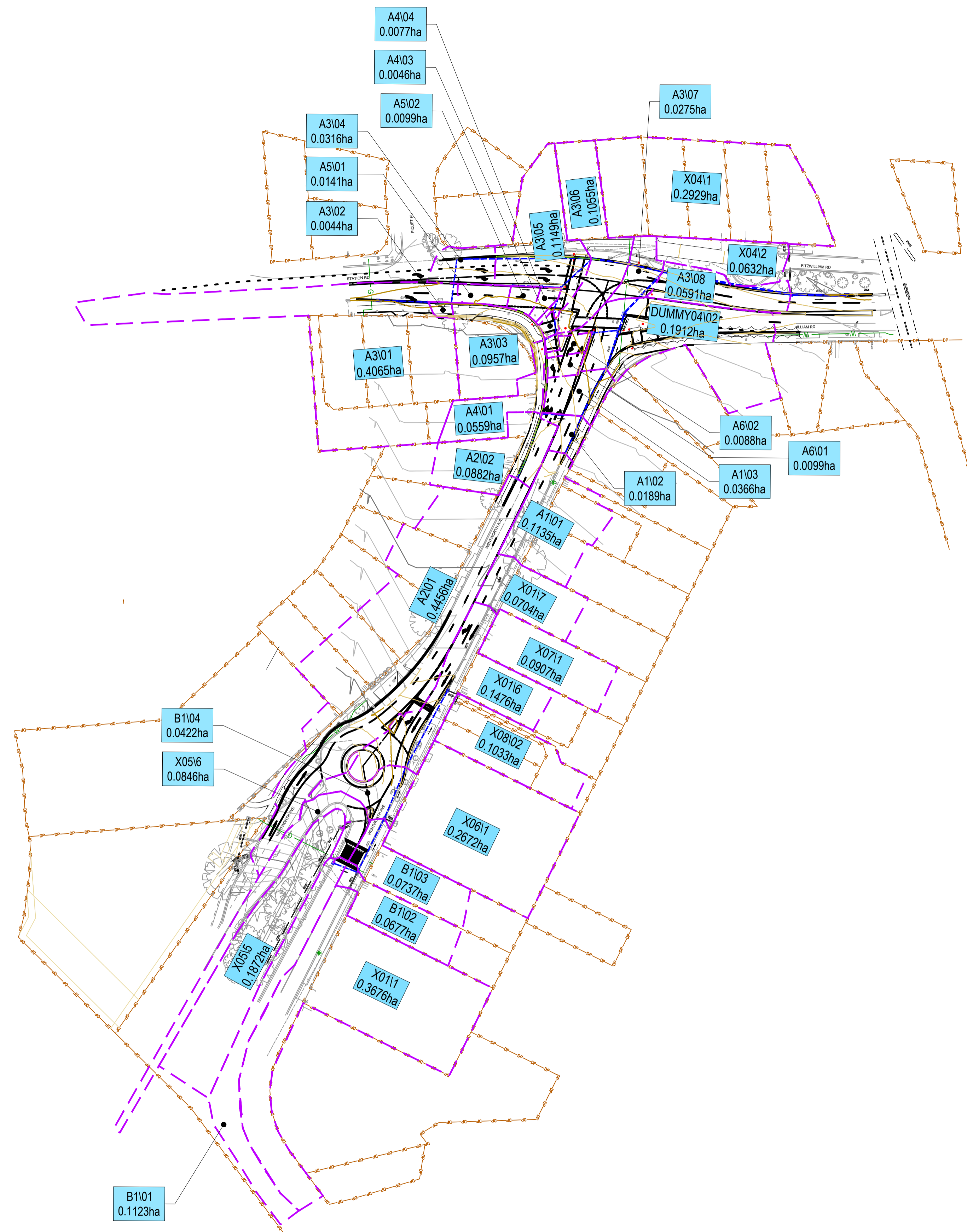
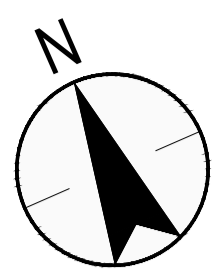
CITY OF PARRAMATTA COUNCIL

TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION

STORMWATER MANAGEMENT PLAN - SHEET 4

DRAWING SET No:	PART:	SHEET: 04 OF 05	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:	©	
DRG No: 305001822-STN-00-200-SD-DRG-001004	REV B	VER 0	EDMS No. AMD No.





**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- DP --- DP --- DP --- EXISTING CADASTRAL BOUNDARY
- EXISTING FENCE
- EXISTING SURVEY
- PROPOSED DESIGN
- FINAL SURFACE MAJOR CONTOURS (1m)
- FINAL SURFACE MINOR CONTOURS (0.2m)
- ○ EXISTING STORMWATER PIT
- EXISTING STORMWATER LINE
- DRAINAGE CATCHMENT BOUNDARY
- DRAINAGE PITS
- DRAINAGE PIPE WITH SIZE AND DIRECTION OF FLOW

**NOTES**

1. FOR GENERAL NOTES REFER TO DRAWING GN-DRG-000003.
2. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DESIGN REPORT ??.
3. FOR COMPLETE CATCHMENT DETAILS, REFER TO APPENDIX D IN THE DESIGN REPORT.

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REFERENCES:

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A.0	ISSUED FOR 80% DETAILED DESIGN	SG / 06.03.26	BW / 06.03.26	DA / 06.03.26
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE

COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: AS SHOWN

SCALE 1:1000

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

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DRAWN	H.KARBALAEI SADEGH	06.03.26
DESIGNED	S.GRIBBLE	06.03.26
DRG CHECK	K.CURLEY	06.03.26
DESIGN CHECK	B.WOLELO	06.03.26
PROJ/DES MNGR	D.ATKINSON	06.03.26
APPROVED	D.ATKINSON	06.03.26

STANTEC CIVIL

CITY OF PARRAMATTA COUNCIL

**TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION**

STORMWATER MANAGEMENT CATCHMENT OVERVIEW PLAN

DRAWING SET No:	PART:	SHEET: 01 OF 01	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:	©	
DRG No: 305001822-STN-00-200-SD-DRG-002001	REV A	VER 0	EDMS No. AMD No.

FILE NAME: 305001822-STN-00-200-SD-DRG-002001.dwg  
PLOT DATE & TIME: 06/03/2026 4:32:13 PM

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H

PIT SCHEDULE												
PIT NAME	PIT TYPE	EASTING	NORTHING	PIT SETOUT LEVEL (m AHD)	PIT DEPTH (m)	OUTLET PIT PIPE INVERT (m AHD)	D/S PIPE DIA (mm)	D/S PIPE LENGTH (m)	D/S PIT PIPE INVERT	D/S PIPE CLASS AND TYPE	DRAWING REFERENCE	COMMENT
A1101	3.0m KERB INLET	310550.133	6259854.956	27.279	1.186	26.077	525	15.28	25.924	RCP CLASS 4	CITY OF PARRAMATTA DS21	
A1102	1.8m KERB INLET	310561.454	6259865.190	27.141	1.288	25.837	600	19.99	25.637	RCP CLASS 4	CITY OF PARRAMATTA DS21	
A1103	1.8m KERB INLET	310576.889	6259877.900	26.904	1.280	25.607	600	14.86	25.459	RCP CLASS 4	CITY OF PARRAMATTA DS21	
A1104	HDJP	310586.935	6259888.764	26.786	1.348	25.439	600	6.55	25.373	RCP CLASS 4	CITY OF PARRAMATTA DS26 SHEET 2	
A1105	HDJP	310591.313	6259893.629	26.768	1.414	25.353	600	21.53	25.138	RCP CLASS 4	CITY OF PARRAMATTA DS26 SHEET 2	
A2101	3.0m SAG LINTEL	310530.117	6259853.442	27.486	1.587	26.433	375	25.82	26.167	RCP CLASS 4	CITY OF PARRAMATTA DS24	
A2102	1.8m KERB INLET	310548.225	6259871.888	27.476	1.331	26.117	450	15.40	26.040	RCP CLASS 4	CITY OF PARRAMATTA DS21	
A3101	3.0m SAG LINTEL	310509.170	6259935.716	26.817	1.010	25.790	375	19.06	25.599	RCP CLASS 4	CITY OF PARRAMATTA DS24	
A3102	ACO TD300-KI Pit	310526.292	6259927.351	27.038	1.489	25.549	375	8.52	25.506	RCP CLASS 4	CITY OF PARRAMATTA DS21 & SHEET ???	
A3103	ACO TD300-KI Pit	310533.949	6259923.610	27.194	1.737	25.456	375	16.79	25.372	RCP CLASS 4	CITY OF PARRAMATTA DS21 & SHEET ???	
A3104	2.4m SAG LINTEL	310542.293	6259937.519	26.659	1.312	25.327	375	50.35	25.076	RCP CLASS 4	CITY OF PARRAMATTA DS24	
A3105	ACO TD300-KI Pit	310588.345	6259917.311	26.605	1.604	25.001	450	14.09	24.930	RCP CLASS 4	CITY OF PARRAMATTA DS21 & SHEET ???	
A3106	1.8m KERB INLET	310600.503	6259910.202	26.490	1.610	24.880	450	12.87	24.816	RCP CLASS 4	CITY OF PARRAMATTA DS21	
A3107	1.8m KERB INLET	310610.756	6259902.426	26.441	1.794	24.641	750	48.88	24.397	RCP CLASS 4	CITY OF PARRAMATTA DS21	
A3108	1.8m KERB INLET	310651.414	6259875.284	26.061	1.659	24.396	750	20.82	24.224	RCP CLASS 4	CITY OF PARRAMATTA DS21	ADJUST GRATE AND LINTEL TO SUIT NEW KERB
A3109	EXISTING	310670.313	6259866.530	25.899	1.671	24.228	825	14.62	23.730	RCP CLASS 4	CITY OF PARRAMATTA DS21	ADJUST GRATE AND LINTEL TO SUIT NEW KERB LEVELS
A4101	ACO TD300-KI Pit	310560.244	6259896.825	27.444	1.666	25.778	375	5.04	25.696	RCP CLASS 4	CITY OF PARRAMATTA DS21 & SHEET ???	
A4102	600x900 GRATE	310565.287	6259897.028	27.286	1.609	25.696	375	8.58	25.558	RCP CLASS 4	REFER SHEET ????	
A4103	SF1	310567.241	6259905.337	27.192	1.807	25.508	375	9.40	25.367	RCP CLASS 4	TNSW DRAWING R0220-09.A.2	
A4104	SF1	310573.756	6259911.739	26.929	2.183	25.317	375	15.72	25.200	RCP CLASS 4	TNSW DRAWING R0220-09.A.2	
A5101	SF1	310556.829	6259920.123	27.042	1.539	25.619	375	11.12	25.488	RCP CLASS 4	TNSW DRAWING R0220-09.A.2	
A5102	SF1	310566.803	6259915.211	26.983	2.138	24.968	375	7.78	24.870	RCP CLASS 4	TNSW DRAWING R0220-09.A.2	
A6101	SF1	310572.303	6259886.823	27.064	1.016	26.170	375	7.62	25.980	RCP CLASS 4	TNSW DRAWING R0220-09.A.2	
A6102	SF1	310577.443	6259892.447	26.983	1.175	25.930	375	9.80	25.833	RCP CLASS 4	TNSW DRAWING R0220-09.A.2	
B1101	0.9m KERB INLET	310409.464	6259749.266	29.336	0.984	28.380	375	9.60	28.276	RCP CLASS 4	CITY OF PARRAMATTA DS21	
B1102	600x900 GRATE	310416.163	6259742.631	29.259	1.022	28.246	375	22.56	28.133	RCP CLASS 4	REFER SHEET ????	
B1103	1.8m KERB INLET	310433.520	6259757.036	28.905	0.816	28.113	375	20.71	28.010	RCP CLASS 4	CITY OF PARRAMATTA DS21	
B1104	2.4m SAG LINTEL	310448.183	6259771.574	28.762	0.745	27.990	375	32.75	27.825	RCP CLASS 4	CITY OF PARRAMATTA DS24	
B1105	JP	310474.381	6259791.405	28.591	0.765	27.825	375	35.17	27.282	RCP CLASS 4	CITY OF PARRAMATTA DS26 SHEET 1	INVERT LEVEL OF EXISTING PIT TO BE CONFIRMED

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COORDINATE SYSTEM: GDA1994 MGA56 		HEIGHT DATUM: AHD	DESIGN LOT CODE: _____	DRAWN _____ H.KARBALAEI SADEGH _____ 06.03.26 DESIGNED _____ S.GRIBBLE _____ 06.03.26 DRG CHECK _____ K.CURLEY _____ 06.03.26 DESIGN CHECK _____ B.WOLELO _____ 06.03.26 PROJ/DES MNGR _____ D.ATKINSON _____ 06.03.26 APPROVED _____ D.ATKINSON _____ 06.03.26	

FILE NAME: 305001822-STN-00-200-SD-DRG-002501.dwg PLOT DATE & TIME: 06/03/2026 4:30:34 PM

**DECOM UTILITIES**

**DECOM STRUCTURES**

**EXISTING UTILITIES**

**EXISTING STRUCTURES**

**DESIGN UTILITIES**

C (A)	DECOMMISSIONED COMMS (QLA)	
C (B)	DECOMMISSIONED COMMS (QLB)	
C (C)	DECOMMISSIONED COMMS (QLC)	
C (D)	DECOMMISSIONED COMMS (QLD)	
C OH	DECOMMISSIONED COMMS (OVERHEAD)	
D (A)	DECOMMISSIONED DRAI (QLA)	
D (B)	DECOMMISSIONED DRAI (QLB)	
D (C)	DECOMMISSIONED DRAI (QLC)	
D (D)	DECOMMISSIONED DRAI (QLD)	
E (A)	DECOMMISSIONED ELEC (QLA)	
E (B)	DECOMMISSIONED ELEC (QLB)	
E (C)	DECOMMISSIONED ELEC (QLC)	
E (D)	DECOMMISSIONED ELEC (QLD)	
E OH	DECOMMISSIONED ELEC (OVERHEAD)	
F (A)	DECOMMISSIONED PETROLEUM (QLA)	
P (A)	DECOMMISSIONED PETROLEUM (QLB)	
P (A)	DECOMMISSIONED PETROLEUM (QLC)	
P (A)	DECOMMISSIONED PETROLEUM (QLD)	
G (A)	DECOMMISSIONED GAS (QLA)	
G (B)	DECOMMISSIONED GAS (QLB)	
G (C)	DECOMMISSIONED GAS (QLC)	
G (D)	DECOMMISSIONED GAS (QLD)	
S (A)	DECOMMISSIONED SEWR (QLA)	
S (B)	DECOMMISSIONED SEWR (QLB)	
S (C)	DECOMMISSIONED SEWR (QLC)	
S (D)	DECOMMISSIONED SEWR (QLD)	
T (A)	DECOMMISSIONED TRAFFIC (QLA)	
T (A)	DECOMMISSIONED TRAFFIC (QLB)	
T (A)	DECOMMISSIONED TRAFFIC (QLC)	
T (A)	DECOMMISSIONED TRAFFIC (QLD)	
U (A)	DECOMMISSIONED UNKN (QLA)	
U (B)	DECOMMISSIONED UNKN (QLB)	
U (C)	DECOMMISSIONED UNKN (QLC)	
U (D)	DECOMMISSIONED UNKN (QLD)	
W (A)	DECOMMISSIONED WATR (QLA)	
W (B)	DECOMMISSIONED WATR (QLB)	
W (C)	DECOMMISSIONED WATR (QLC)	
W (D)	DECOMMISSIONED WATR (QLD)	
CSR	DECOMMISSIONED RAIL (CSR)	
-----	DECOMMISSIONED - ALL	

C (A)	EXISTING COMMS (QLA)	
C (B)	EXISTING COMMS (QLB)	
C (C)	EXISTING COMMS (QLC)	
C (D)	EXISTING COMMS (QLD)	
C (A)	EXISTING COMMS (OVERHEAD) (QLA)	
C (B)	EXISTING COMMS (OVERHEAD) (QLD)	
D (A)	EXISTING DRAI (QLA)	
D (B)	EXISTING DRAI (QLB)	
D (C)	EXISTING DRAI (QLC)	
D (D)	EXISTING DRAI (QLD)	
E (A)	EXISTING ELEC (QLA)	
E (B)	EXISTING ELEC (QLB)	
E (C)	EXISTING ELEC (QLC)	
E (D)	EXISTING ELEC (QLD)	
E (A)	EXISTING ELEC (OVERHEAD) (QLA)	
E (D)	EXISTING ELEC (OVERHEAD) (QLD)	
F (A)	EXISTING FIRE (QLA)	
F (B)	EXISTING FIRE (QLB)	
F (C)	EXISTING FIRE (QLC)	
F (D)	EXISTING FIRE (QLD)	
G (A)	EXISTING GAS (QLA)	
G (B)	EXISTING GAS (QLB)	
G (C)	EXISTING GAS (QLC)	
G (D)	EXISTING GAS (QLD)	
T (A)	EXISTING TRAFFIC (QLA)	
T (B)	EXISTING TRAFFIC (QLB)	
T (C)	EXISTING TRAFFIC (QLC)	
T (D)	EXISTING TRAFFIC (QLD)	
S (A)	EXISTING SEWR (QLA)	
S (B)	EXISTING SEWR (QLB)	
S (C)	EXISTING SEWR (QLC)	
S (D)	EXISTING SEWR (QLD)	
U (A)	EXISTING UNKN (QLA)	
U (B)	EXISTING UNKN (QLB)	
U (C)	EXISTING UNKN (QLC)	
U (D)	EXISTING UNKN (QLD)	
W (A)	EXISTING WATR (QLA)	
W (B)	EXISTING WATR (QLB)	
W (C)	EXISTING WATR (QLC)	
W (D)	EXISTING WATR (QLD)	
R (A)	EXISTING RECYCLED WATR (QLA)	
R (B)	EXISTING RECYCLED WATR (QLB)	
R (C)	EXISTING RECYCLED WATR (QLC)	
R (D)	EXISTING RECYCLED WATR (QLD)	
ITS	EXISTING ITS	

C	C	DESIGN COMM
V	C	DESIGN COMM OH
D	D	DESIGN DRAIN OH
V	E	DESIGN ELEC OH
E	E	DESIGN ELEC
F	F	DESIGN FIRE
G	G	DESIGN GAS
P	P	DESIGN PETROLEUM
R	R	DESIGN RECYCLED WATER
S	S	DESIGN SEWER
T	T	DESIGN TRAFFIC
W	W	DESIGN WATER

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	COORDINATE SYSTEM: GDA1994 MGA56			HEIGHT DATUM: AHD	DESIGN LOT CODE:		PREPARED FOR:	DRAWN _____ H.KARBALAEI SADEGH _____ 06.03.26 DESIGNED _____ L.SCHLITTER _____ 06.03.26 DRG CHECK _____ K.CURLEY _____ 06.03.26 DESIGN CHECK _____ S.PAKIZEHJAME _____ 06.03.26 PROJ/DES MNGR _____ D. ATKINSON _____ 06.03.26 APPROVED _____ D. ATKINSON _____ 06.03.26	UTILITIES GENERAL LEGEND DRAWING SET No: _____ PART: _____ SHEET: 01 OF 01 A1 STATUS: 80% DETAILED DESIGN BRIDGE No: _____ DRG No: 305001822-STN-00-200-UT-DRG-000021 REV B VER 0 EDMS No. _____ AMD No. _____			
	B.0 ISSUED FOR 80% DETAILED DESIGN SP / 06.03.26 GT / 06.03.26 DA / 06.03.26											
	A.0 ISSUED FOR 50% DETAILED DESIGN SP / 29.07.25 GT / 29.07.25 DA / 29.07.25											
	REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE							

**GENERAL**

1. DRAWINGS TO BE READ IN CONJUNCTION WITH ALL OTHER SPECIFICATIONS FOR THE PROJECT.
2. LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
3. CO-ORDINATES ARE TO MAP GRID AUSTRALIA GDA 2020/MGA (ZONE 55).
4. ALL DIMENSIONS ARE IN METRES U.N.O. ALL LEVELS, METREAGES, CHAINAGES AND CO-ORDINATES ARE EXPRESSED IN METRES.
5. SERVICES ARE SHOWN INDICATIVE ONLY. CONTRACTORS TO CONFIRM LOCATION OF ALL SERVICES PRIOR TO COMMENCING WORK. CONTRACTOR TO ENSURE ADOPTED METHOD OF CONSTRUCTION WILL AVOID DAMAGE TO ALL SERVICES.
6. ALL WORK TO BE UNDERTAKEN IN ACCORDANCE WITH THE LATEST VERSION OF TNSW STANDARDS AT THE TIME OF TENDER UNLESS NOTED OTHERWISE.

**UTILITIES**

1. THE UTILITIES DRAWINGS AND THE NOTES BELOW ARE FOR COORDINATION PURPOSES ONLY.
2. THE UTILITY AUTHORITIES RELEVANT TO THIS DESIGN PACKAGE ARE:

UTILITY AUTHORITIES	
UTILITY OWNER	ASSET TYPE
ENDEAVOUR ENERGY	ELECTRICITY
TRANSGRID	ELECTRICITY
TELSTRA	TELECOMMUNICATIONS
NBN	TELECOMMUNICATIONS
SYDNEY WATER	WATER

UTILITY INFORMATION SHOWN TO THE PLANS DOES NOT DEPICT ANY MORE THAN THE PRESENCE OF A SERVICE BASED ON AVAILABLE DOCUMENTARY EVIDENCE. THE PRESENCE OF A UTILITY SERVICE, ITS SIZE AND LOCATION SHOULD BE CONFIRMED BY FIELD INSPECTION PRIOR TO THE COMMENCEMENT OF ROAD WORKS, AND THE RELATIVE UTILITY PLANS OBTAINED THROUGH BEFORE YOU DIG AUSTRALIA ([www.byda.com.au](http://www.byda.com.au)). CAUTION SHOULD BE EXERCISED WHEN WORKING IN THE VICINITY OF ALL UTILITY SERVICES.

3. THE LOCATIONS OF UTILITIES SHOWN HAVE BEEN PRODUCED FROM BEFORE YOU DIG AUSTRALIA DATA AND LIMITED SURVEY.
4. THE UTILITY DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER ENGINEERING DRAWINGS AND SPECIFICATIONS AND WITH RELEVANT UTILITY AUTHORITY'S CERTIFIED AND / OR APPROVED DETAILED DESIGN DRAWINGS AND SPECIFICATIONS.
5. LOCATION AND LEVEL OF ALL SERVICES CROSSING PROPOSED DRAINAGE MUST BE OBTAINED BY CONTRACTOR PRIOR TO CONSTRUCTION. ALL LEVELS MUST BE CHECKED FOR CONFLICT WITH ANY SERVICES, AND ANY CONFLICTS TO BE RESOLVED WITH THE ENGINEERING MANAGER.
6. ALL CHANGES TO THE UTILITY DESIGN MUST BE APPROVED AND AUTHORISED BY THE RELEVANT UTILITY AUTHORITY AND THE PRINCIPAL PRIOR TO COMMENCING WORK.
7. UNCHARTED UTILITY SERVICES MAY BE PRESENT ON THE SITE. THE CONTRACTOR MUST MAKE ALL EFFORTS TO IDENTIFY THE PRESENCE OF UTILITY SERVICES ON THE SITE AND ARRANGE FOR RELOCATION OR PROTECTION AS NECESSARY TO SUIT THE PARTICULAR WORKS, AS AGREED WITH THE PRINCIPAL AND IN CONJUNCTION WITH THE RELEVANT UTILITY AUTHORITY.
8. PRIOR TO ANY EXCAVATION, EXISTING GROUND CONDITIONS MUST BE ASSESSED ON SITE BY AN EXPERIENCED ENGINEERING GEOLOGISTS OR GEOTECHNICAL ENGINEER. THIS INCLUDES FOR THE INSTALLATION OF UTILITIES AND POLES, AND FOR EXCAVATIONS NEAR CUT OR FILL BATTERS.
9. ALL EXCAVATIONS MUST BE CARRIED OUT FOLLOWING THE REGULATIONS SET OUT BY EACH INDIVIDUAL UTILITY SERVICE AUTHORITY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THESE REGULATIONS AND COMPLY WITH THEM.
10. THE CONTRACTOR MUST MAKE ITSELF AWARE OF AND COMPLY WITH ALL UTILITY SERVICE AUTHORITY REGULATIONS AND STANDARDS IN RELATION TO THE USE OF MACHINERY AND EQUIPMENT IN THE VICINITY OF THE UTILITY SERVICES AND WITHIN ANY EASEMENTS.
11. VERIFY SETTING OUT INFORMATION WITH UTILITY AUTHORITY BEFORE CONSTRUCTION AND FABRICATION IS COMMENCED.
12. THE CONTRACTOR TO CLEARLY MARK THE LOCATION ON THE GROUND OF ADJUSTED UTILITY.
13. THE CONTRACTOR MUST CHECK THAT ANY CLEARANCES UTILITY SERVICES SPECIFIED ON THE CERTIFIED UTILITY RELOCATION DRAWINGS ARE ACHIEVED ON SITE.
14. PRIOR TO THE COMMISSIONING OF ADJUSTED SERVICES INTEGRITY OF SERVICE & SLEEVING TO BE VERIFIED.
15. DO NOT OBTAIN DIMENSIONS BY SCALING FROM THE DRAWING.

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**UTILITIES - QUALITY LEVEL DESCRIPTION**

UTILITY SURVEYS HAVE BEEN LABELLED IN ACCORDANCE WITH AS5488:2022. REFER EXPLANATION BELOW:

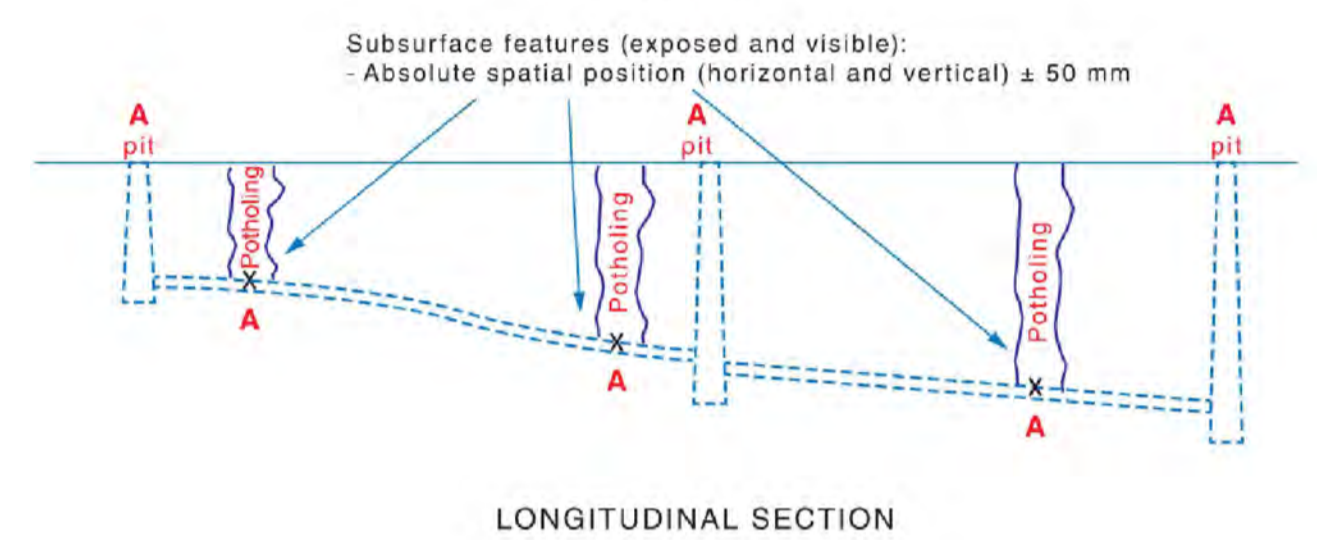
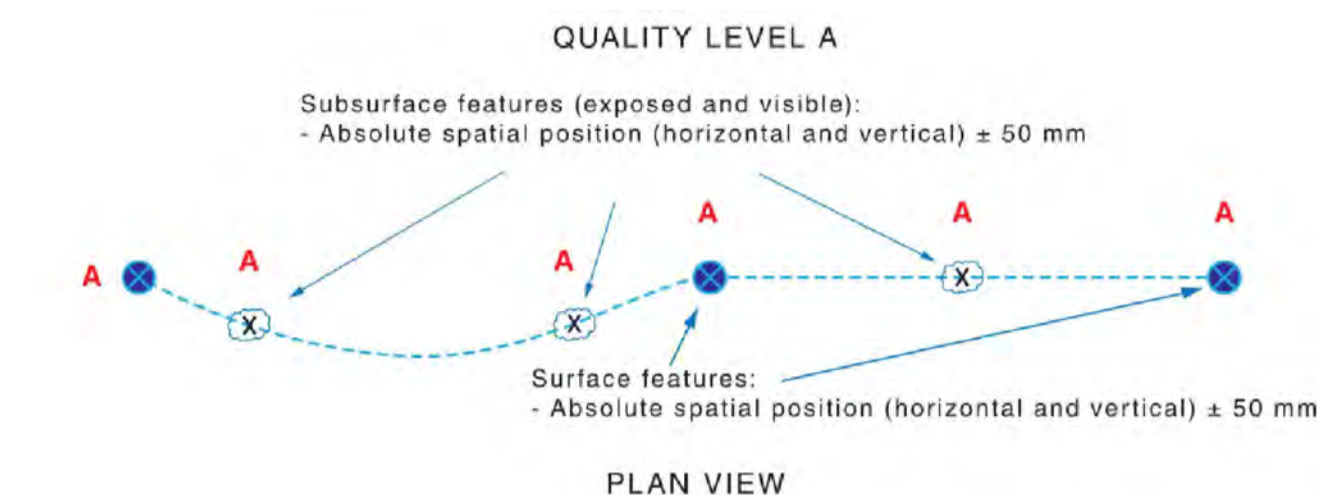


Figure A.5 — Quality Level A

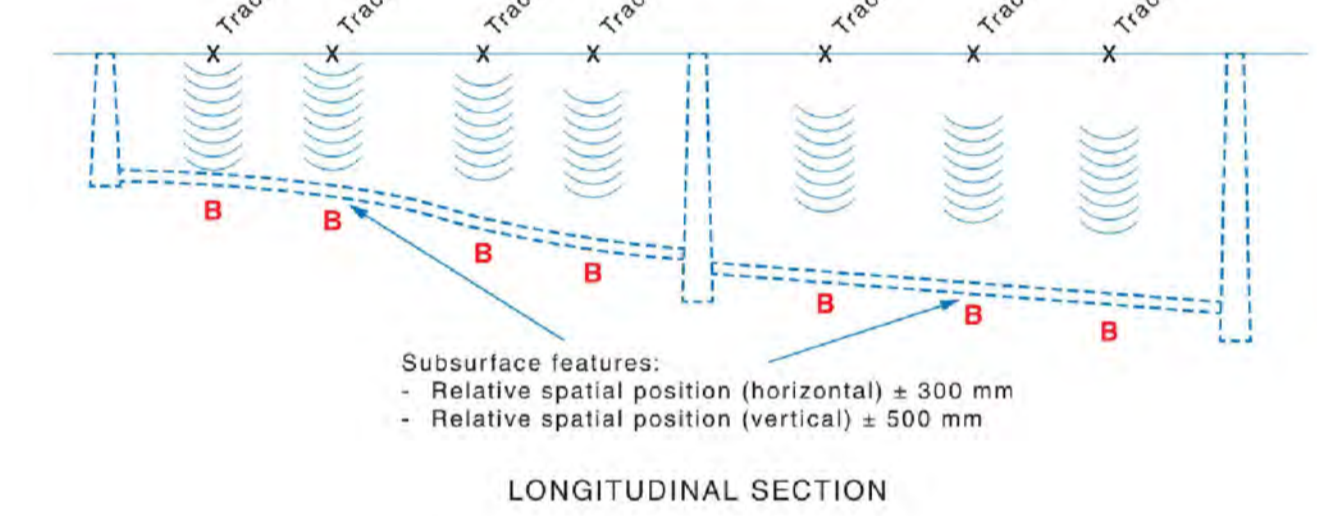
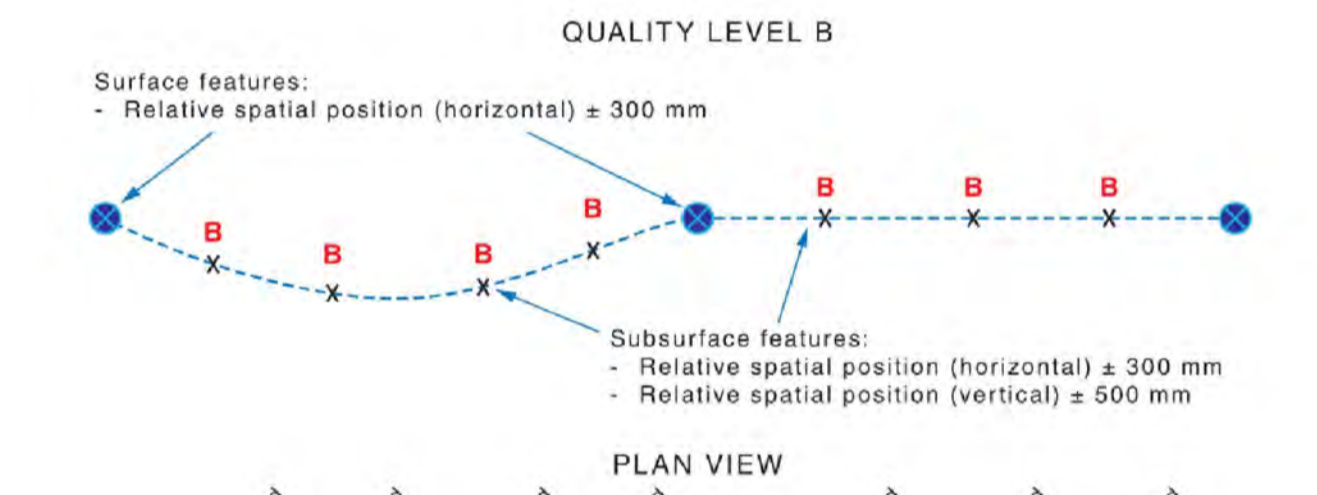


Figure A.4 — Quality Level B

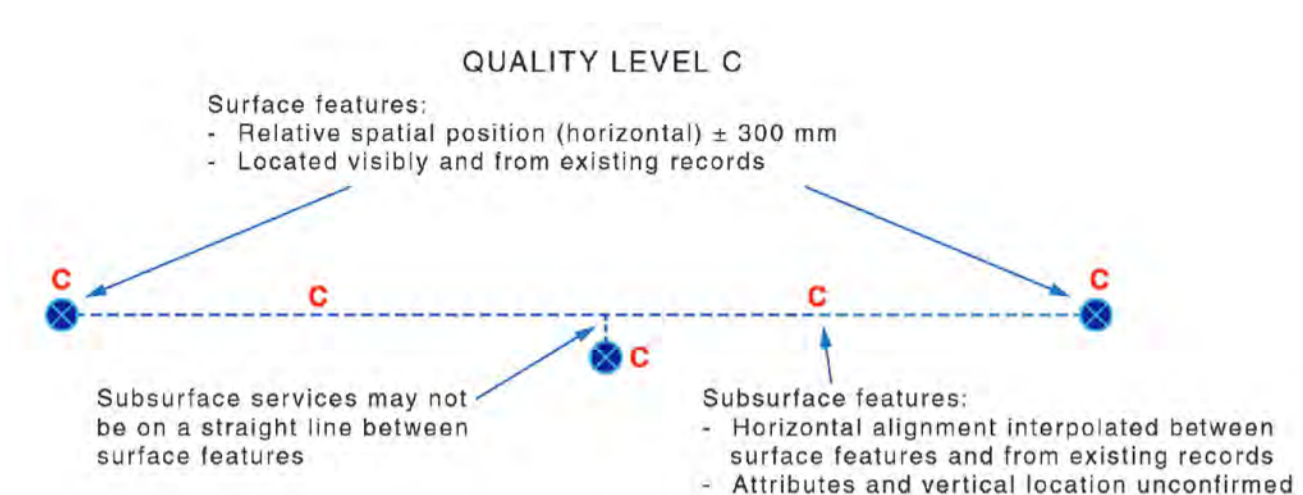


Figure A.3 — Quality Level C

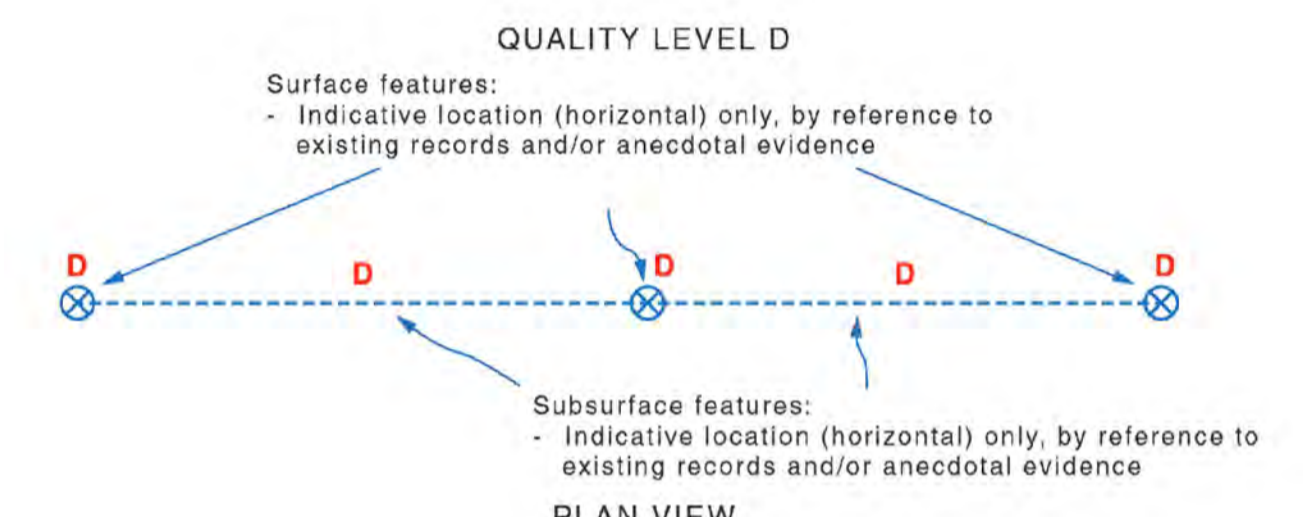


Figure A.2 — Quality Level D

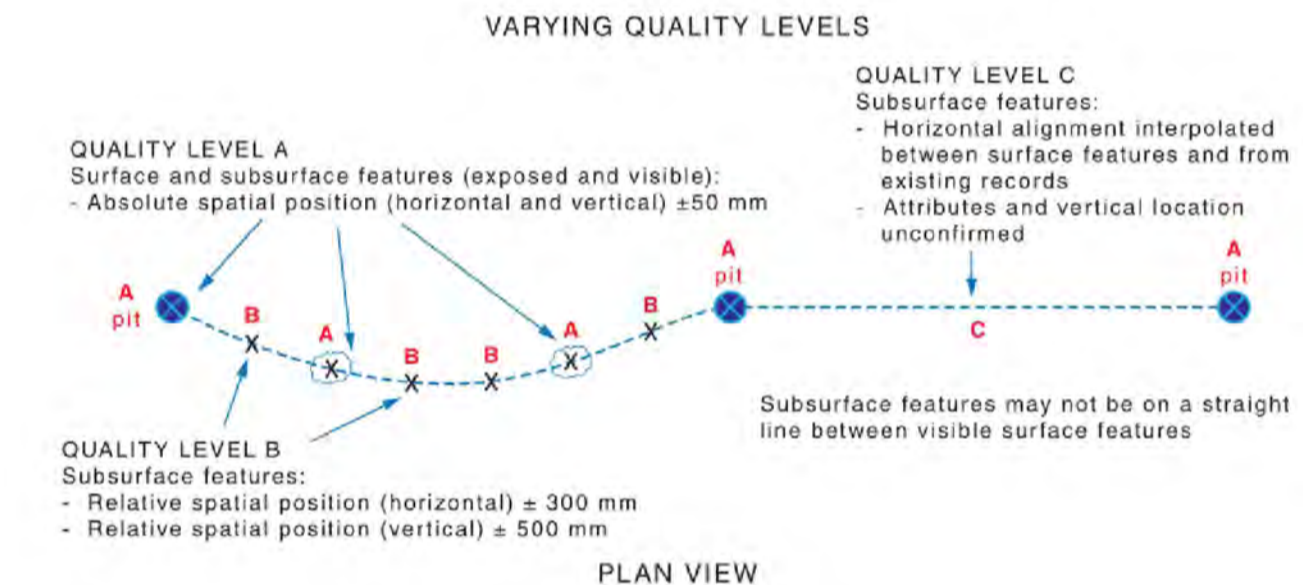


Figure A.6 — Varying quality levels

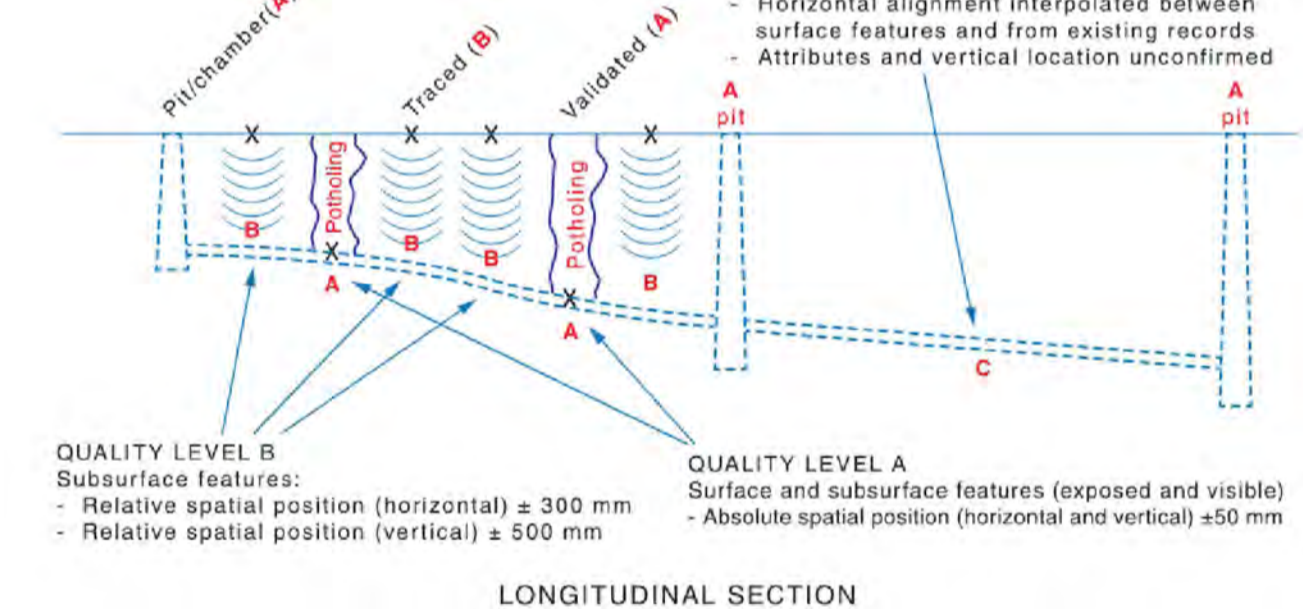


Figure A.6 — Varying quality levels



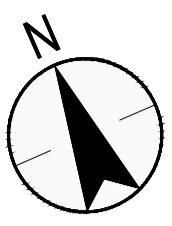
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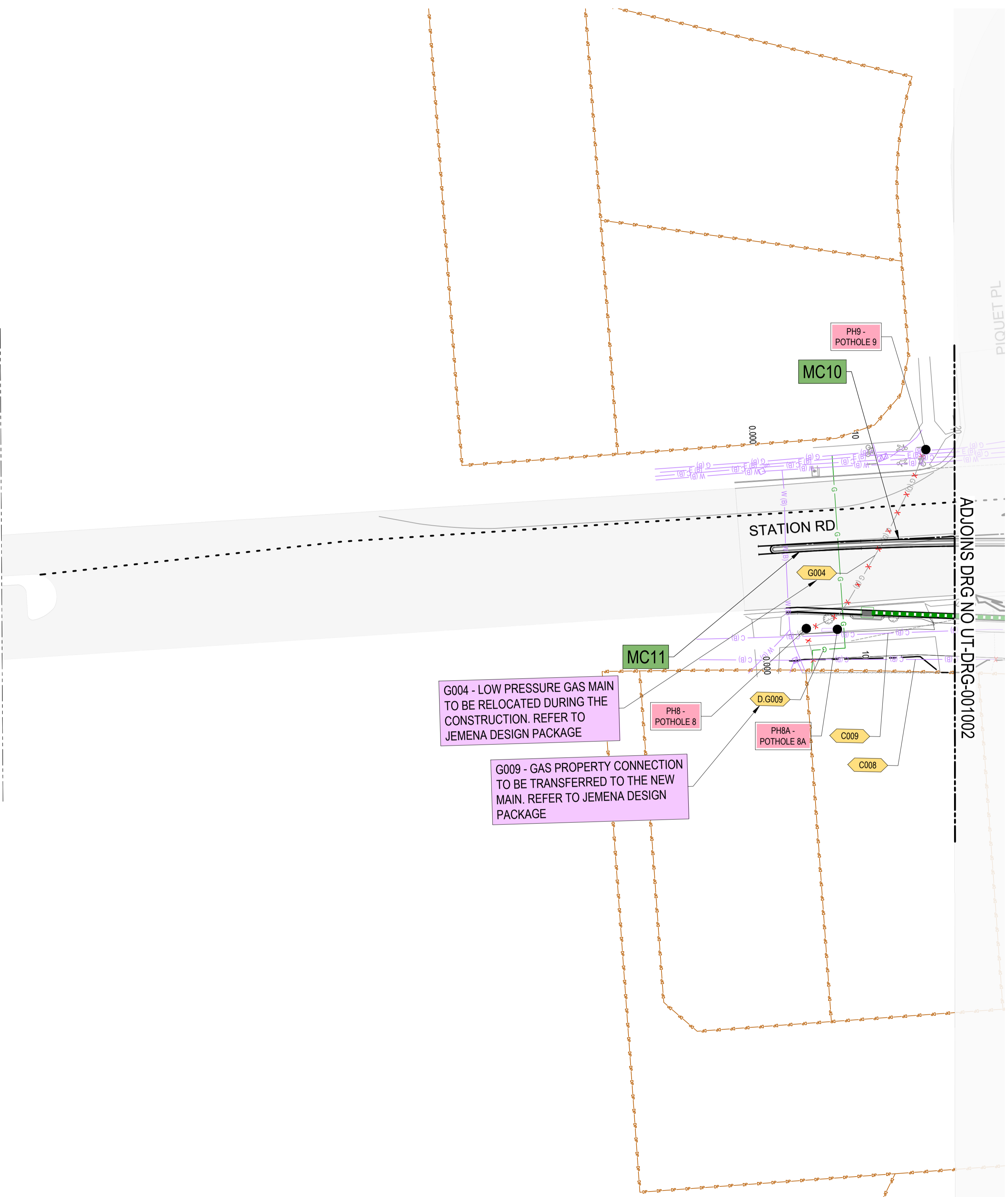
REFERENCES: -MPT-DE-M3D-??	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.	SCALE: AS SHOWN	CLIENT: 	<p><i>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW.</i></p> <p><i>Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</i></p>	CITY OF PARRAMATTA COUNCIL <b>TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</b>  UTILITIES GENERAL NOTES DRAWING SET No: _____ PART: SHEET: 01 OF 01 A1 STATUS: 80% DETAILED DESIGN BRIDGE No: _____ © DRG No: 305001822-STN-00-200-UT-DRG-000022 REV B VER 0 EDMS No. _____ AMD No. _____											
<table border="1"> <tr> <td>B.0</td> <td>ISSUED FOR 80% DETAILED DESIGN</td> <td>SP / 06.03.26</td> <td>GT / 06.03.26</td> <td>DA / 06.03.26</td> </tr> <tr> <td>A.0</td> <td>ISSUED FOR 50% DETAILED DESIGN</td> <td>SP / 29.07.25</td> <td>GT / 29.07.25</td> <td>DA / 29.07.25</td> </tr> <tr> <td>REV</td> <td>DESCRIPTION</td> <td>DESIGNER INITIAL/DATE</td> <td>VERIFIED INITIAL/DATE</td> <td>APPROVED INITIAL/DATE</td> </tr> </table> COORDINATE SYSTEM: GDA1994 MGA56  HEIGHT DATUM: AHD DESIGN LOT CODE: _____	B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26			GT / 06.03.26	DA / 06.03.26	A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25	REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE
B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26												
A.0	ISSUED FOR 50% DETAILED DESIGN	SP / 29.07.25	GT / 29.07.25	DA / 29.07.25												
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE												

FILE NAME: 305001822-STN-00-200-UT-DRG-000022.dwg PLOT DATE & TIME: 06/03/2026 4:32:38 PM





LIMIT OF WORKS

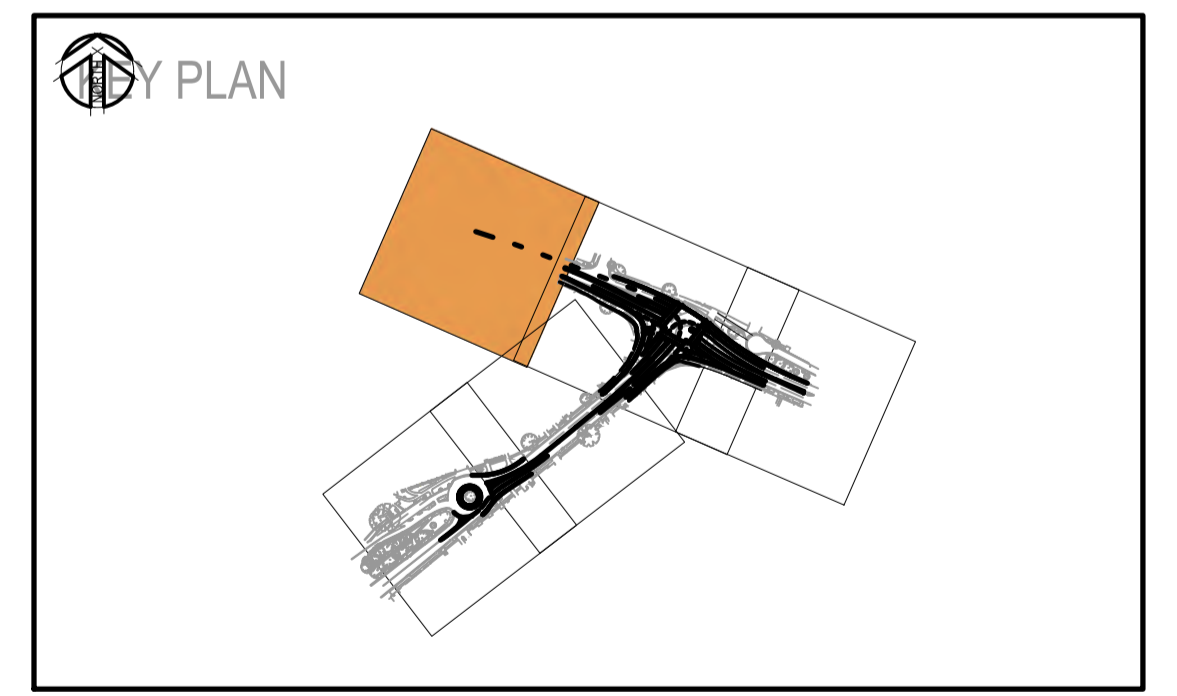


LEGEND

- MC10** CONTROL ALIGNMENT LABEL
  - CONTROL ALIGNMENT
  - DP --- DP --- EXISTING CADASTRAL BOUNDARY
  - EXISTING SURVEY
  - PROPOSED DESIGN
- EXISTING UTILITIES
- EXISTING UTILITY ID TAG PREFIX:
- C = COMMS E = ELEC
  - G = GAS W = WATER
  - S = SEWER D = DESIGN
  - U = UNKNOWN
- UTILITY DESIGN:
- DRAINAGE (REFER DRAINAGE PLANS)
  - ACO TD300 SLOPED GRATED CHANNEL (REFER DRAINAGE PLANS)
  - DECOMMISSIONING OF ASSET
  - GAS
  - POTABLE WATER
  - ☀ PROPOSED ELECTRIC LIGHT POLE
  - PROPOSED TCS POSTS

NOTES

- FOR GENERAL LEGEND REFER TO DRAWING UT-DRG-000021.
- FOR GENERAL NOTES REFER TO DRAWING UT-DRG-000022.
- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAIL DESIGN REPORT & UTILITY MANAGEMENT PLANS.
- REFER UTILITY MANAGEMENT PLAN APPENDIX FOR UTILITY SURVEY REPORTS.



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<p>REFERENCES:</p> <p>-MPT-DE-M3D-??</p>	<p>THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.</p>	<p>SCALE: 1:500</p>	<p>CLIENT:</p>	<p><i>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW.</i></p> <p><i>Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</i></p>	<p>CITY OF PARRAMATTA COUNCIL</p> <p>TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</p>															
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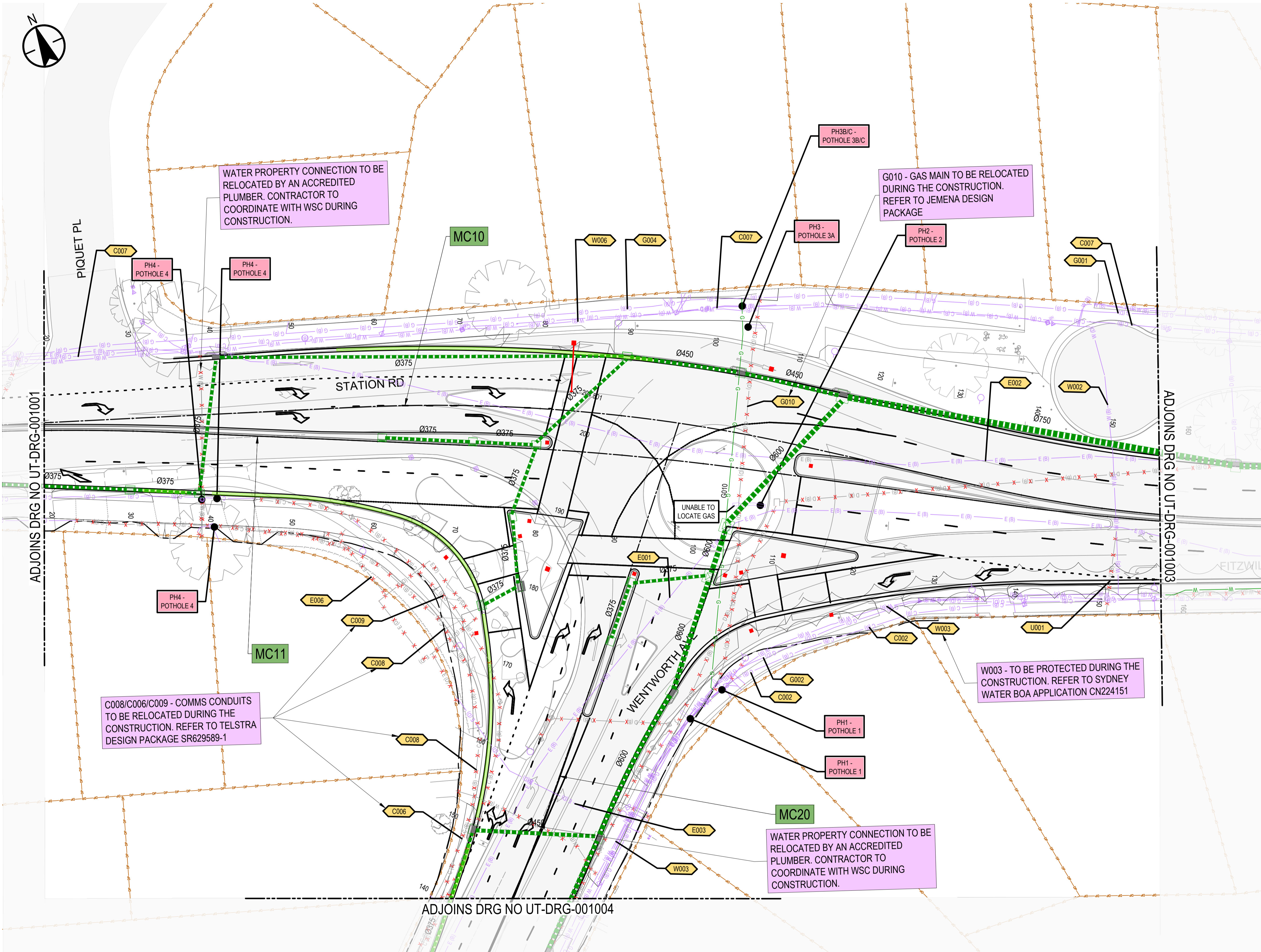
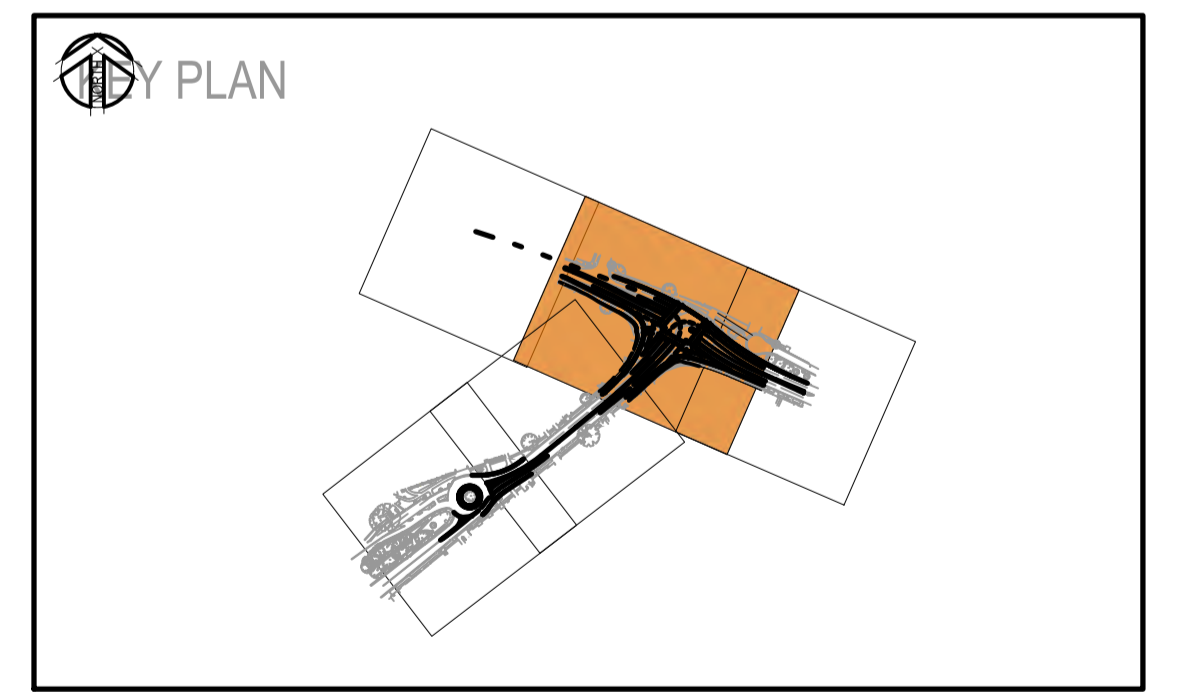


### LEGEND

- MC10** CONTROL ALIGNMENT LABEL
  - CONTROL ALIGNMENT
  - DP --- DP --- EXISTING CADASTRAL BOUNDARY
  - EXISTING SURVEY
  - PROPOSED DESIGN
- EXISTING UTILITIES**
- EXISTING UTILITY ID TAG PREFIX:
- C = COMMS
  - G = GAS
  - S = SEWER
  - U = UNKNOWN
  - E = ELEC
  - W = WATER
  - D = DESIGN
- UTILITY DESIGN:**
- DRAINAGE (REFER DRAINAGE PLANS)
  - ACO TD300 SLOPED GRATED CHANNEL (REFER DRAINAGE PLANS)
  - DECOMMISSIONING OF ASSET
  - GAS
  - POTABLE WATER
  - PROPOSED ELECTRIC LIGHT POLE
  - PROPOSED TCS POSTS

### NOTES

- FOR GENERAL LEGEND REFER TO DRAWING UT-DRG-000021.
- FOR GENERAL NOTES REFER TO DRAWING UT-DRG-000022.
- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAIL DESIGN REPORT & UTILITY MANAGEMENT PLANS.
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REFERENCES:

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REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE

COORDINATE SYSTEM: GDA1994 MGA56

HEIGHT DATUM: AHD

SCALE: 1:500

SCALE 1:250 @A1

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

**Stantec**

STANTEC CIVIL

DRAWN	H.KARBALAEI SADEGH	06.03.26
DESIGNED	L.SCHLITZER	06.03.26
DRG CHECK	K.CURLEY	06.03.26
DESIGN CHECK	S.PAKIZEHJAME	06.03.26
PROJ/DES MNGR	D. ATKINSON	06.03.26
APPROVED	D. ATKINSON	06.03.26

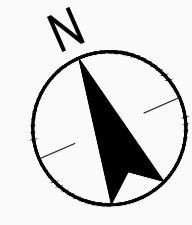
CITY OF PARRAMATTA COUNCIL

TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION

UTILITIES PLAN - SHEET 2

DRAWING SET No:	PART:	SHEET: 02 OF 05	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:		
DRG No: 305001822-STN-00-200-UT-DRG-001002	REV: B	VER: 0	EDMS No. AMD No.

FILE NAME: 305001822-STN-00-200-UT-DRG-001002.dwg  
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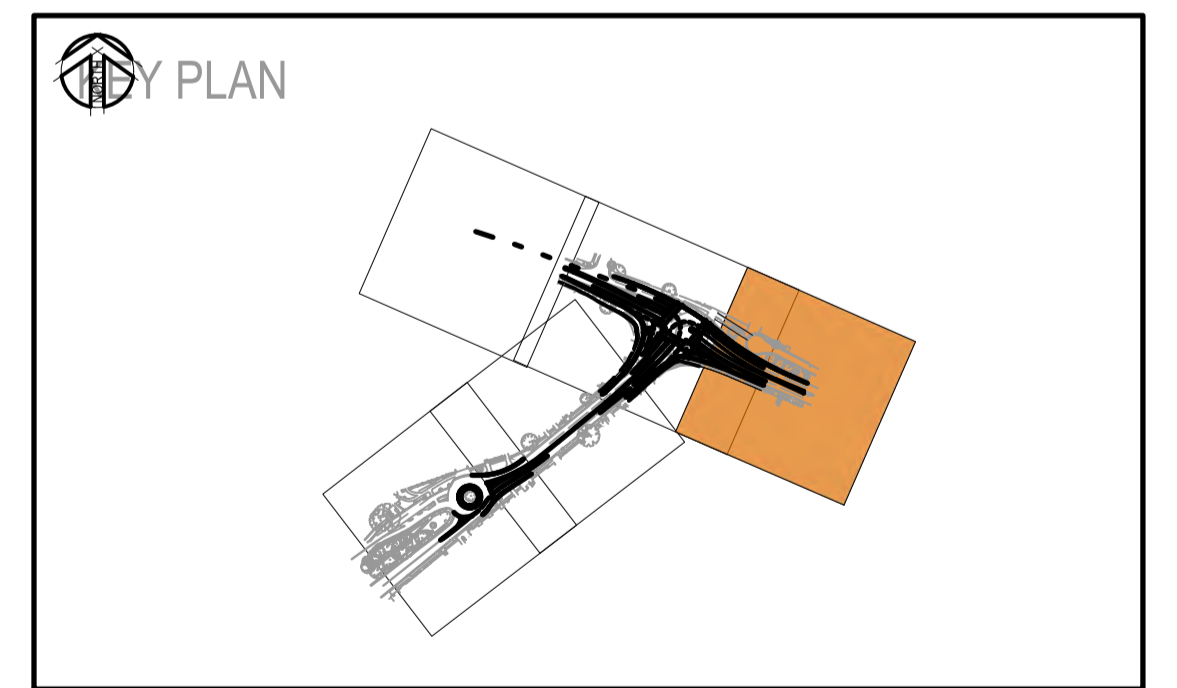


### LEGEND

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  - CONTROL ALIGNMENT
  - DP --- DP --- EXISTING CADASTRAL BOUNDARY
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  - PROPOSED DESIGN
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- EXISTING UTILITY ID TAG PREFIX:
- C = COMMS E = ELEC
  - G = GAS W = WATER
  - S = SEWER D = DESIGN
  - U = UNKNOWN
- UTILITY DESIGN:**
- DRAINAGE (REFER DRAINAGE PLANS)
  - ACO TD300 SLOPED GRATED CHANNEL (REFER DRAINAGE PLANS)
  - X X X X --- DECOMMISSIONING OF ASSET
  - G --- G --- GAS
  - W --- W --- POTABLE WATER
  - ☀ PROPOSED ELECTRIC LIGHT POLE
  - PROPOSED TCS POSTS

### NOTES

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4. REFER UTILITY MANAGEMENT PLAN APPENDIX FOR UTILITY SURVEY REPORTS.



S002 - TO BE PROTECTED DURING THE CONSTRUCTION. REFER TO SYDNEY WATER BOA APPLICATION CN224151

W001 - TO BE RELOCATED DURING THE CONSTRUCTION. REFER TO SYDNEY WATER DESIGN PACKAGE CN224150

ADJOINS DRG NO UT-DRG-001002

LIMIT OF WORKS

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REFERENCES:

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COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: 1:500

SCALE 1:250

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

**OFFICIAL**

STANTEC CIVIL

DRAWN	H.KARBALAEI SADEGH	06.03.26
DESIGNED	L.SCHLITZER	06.03.26
DRG CHECK	K.CURLEY	06.03.26
DESIGN CHECK	S.PAKIZEHJAME	06.03.26
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CITY OF PARRAMATTA COUNCIL

**TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION**

UTILITIES PLAN - SHEET 3

DRAWING SET No:	PART:	SHEET: 03 OF 05	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:		
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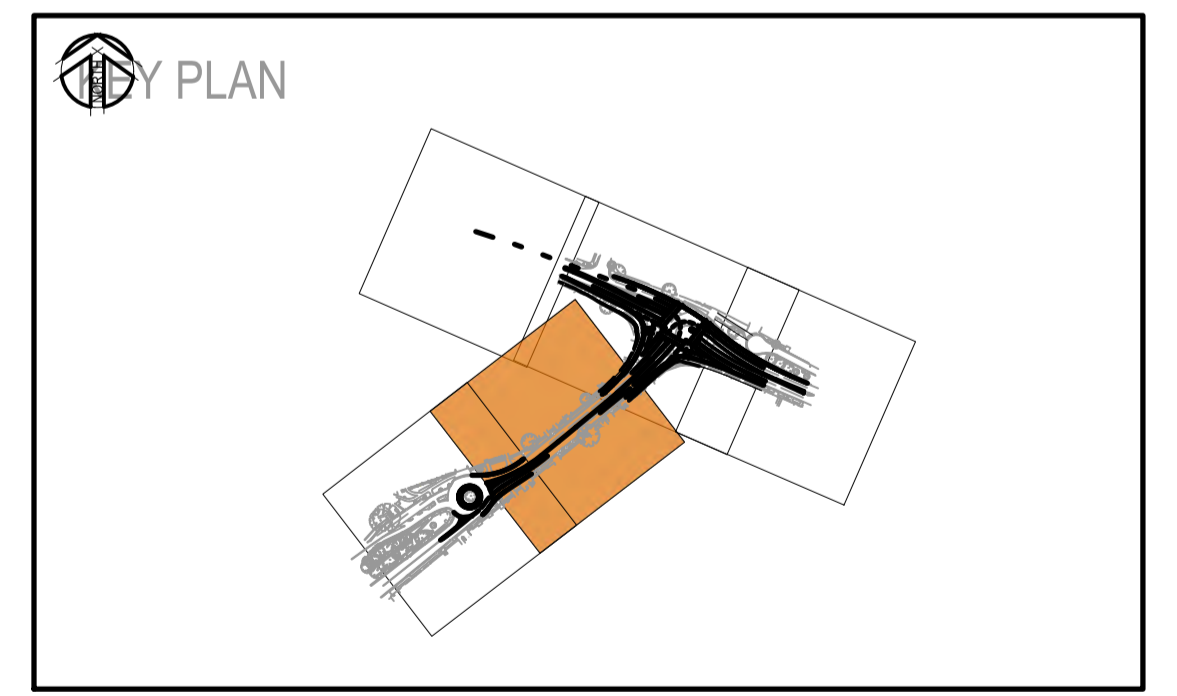


**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
  - CONTROL ALIGNMENT
  - DP--- DP EXISTING CADASTRAL BOUNDARY
  - EXISTING SURVEY
  - PROPOSED DESIGN
- EXISTING UTILITIES**
- EXISTING UTILITY ID TAG PREFIX:
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- UTILITY DESIGN:**
- DRAINAGE (REFER DRAINAGE PLANS)
  - ACO TD300 SLOPED GRATED CHANNEL (REFER DRAINAGE PLANS)
  - \*---\*---\*---\*--- DECOMMISSIONING OF ASSET
  - G---G--- GAS
  - W---W--- POTABLE WATER
  - ☀ PROPOSED ELECTRIC LIGHT POLE
  - PROPOSED TCS POSTS

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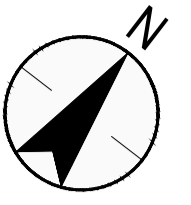
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**LEGEND**

- MC10** CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- DP DP EXISTING CADASTRAL BOUNDARY
- EXISTING SURVEY
- PROPOSED DESIGN

**EXISTING UTILITIES**

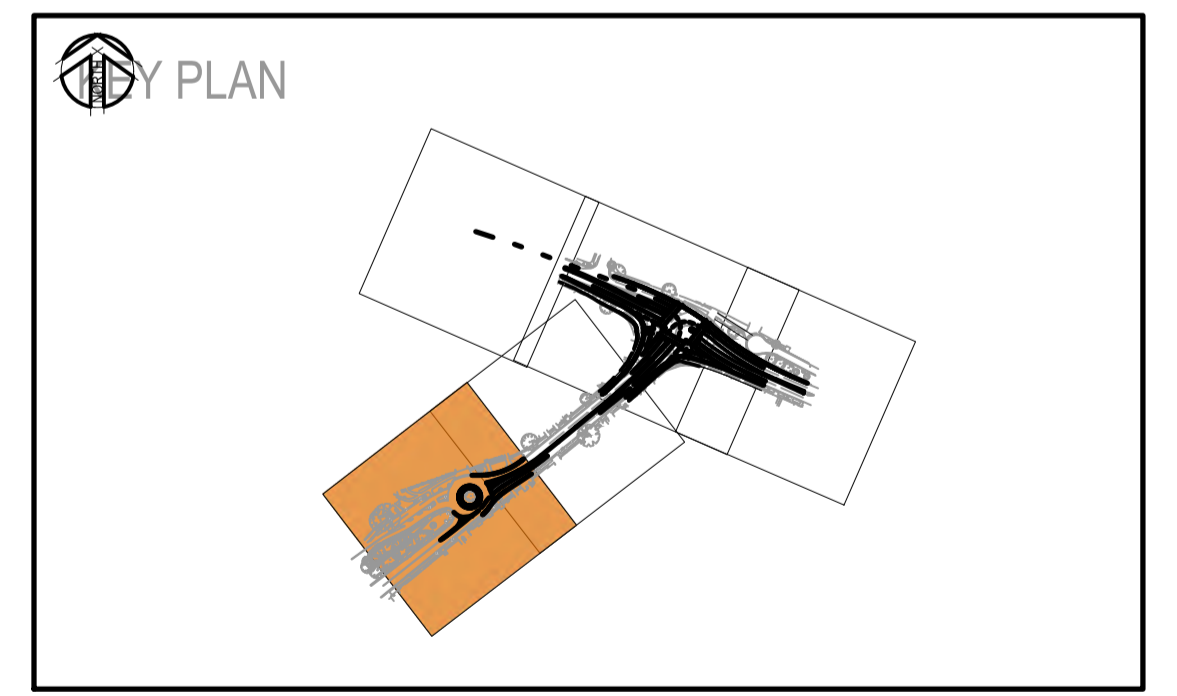
- C001 EXISTING UTILITY ID TAG PREFIX:
- C = COMMS E = ELEC
- G = GAS W = WATER
- S = SEWER D = DESIGN
- U = UNKNOWN

**UTILITY DESIGN:**

- DRAINAGE (REFER DRAINAGE PLANS)
- ACO TD300 SLOPED GRATED CHANNEL (REFER DRAINAGE PLANS)
- DECOMMISSIONING OF ASSET
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FILE NAME: 305001822-STN-00-200-UT-DRG-001005.dwg  
PLOT DATE & TIME: 06/03/2026 4:32:24 PM

**GENERAL**

- DRAWINGS TO BE READ IN CONJUNCTION WITH ALL OTHER SPECIFICATIONS FOR THE PROJECT.
- LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
- CO-ORDINATES ARE TO MAP GRID AUSTRALIA GDA2020/MGA (ZONE 56).
- ALL DIMENSIONS ARE IN METRES U.N.O. ALL LEVELS, METREAGES, CHAINAGES AND CO-ORDINATES ARE EXPRESSED IN METRES.
- SERVICES ARE SHOWN INDICATIVE ONLY. CONTRACTORS TO CONFIRM LOCATION OF ALL SERVICES PRIOR TO COMMENCING WORK. CONTRACTOR TO ENSURE ADOPTED METHOD OF CONSTRUCTION WILL AVOID DAMAGE TO ALL SERVICES.

**PAVEMENT NOTES**

- PAVEMENT DESIGN AND SUBSURFACE DRAINAGE PLANS SHALL BE PRINTED IN COLOUR TO AVOID MISINTERPRETATION.
- MATERIAL SUPPLY AND CONSTRUCTION:
  - PRIME, PRIMER SEALS AND SPRAY SEALS TO CONFORM TO TNSW SPECIFICATION TS 03276.2 (R106).
  - SELECT MATERIAL ZONE MATERIAL TO CONFORM TO TNSW SPECIFICATION TS 02158.1 (R44)
  - CONCRETE FOR MEDIAN AND TRAFFIC ISLANDS TO CONFORM TO TNSW SPECIFICATION TS 03265.1 (R54).
  - LOW CUTTER SEAL WITH MAXIMUM 2% CUTTER UNDERNEATH ASPHALT BASE COURSE. THICKNESS SEAL / PRIMER SEAL SHALL BE TAKEN INTO ACCOUNT IN THE DESIGN MILLING DEPTH AND SHALL APPROXIMATELY BE EQUIVALENT TO THE AVERAGE LEAST DIMENSION (ALD) OF THE AGGREGATE. UNTIL SUCH TIME ALD TESTS ARE CONDUCTED ON THE AGGREGATES, AN ALD OF 5mm MAY BE ASSUMED FOR A 7mm NOMINAL SIZE AGGREGATE.
- MILLED ASPHALT AND REMOVED EXISTING PAVEMENT MATERIAL MAY BE REUSED AS UPPER ZONE OF FORMATION MATERIAL SUBJECT TO COMPLIANCE WITH TNSW SPECIFICATION TS02158.1 (R44).
- COARSE AGGREGATES FOR WEARING COURSE ASPHALT OR SEALING AGGREGATE, MUST NOT BE PRODUCED FROM LIMESTONE OR DOLOMITE ROCK SOURCES.
- CONSTRUCTION PLANT, GRADERS MUST USE AUTOMATED LEVEL CONTROL SYSTEMS ON ALL PAVEMENT LAYERS.
- PAVEMENT TO BE MINIMUM OF 1.5m WIDTH. LONGITUDINAL JOINTS TO BE LOCATED AWAY FROM WHEEL PATHS.
- EXISTING PAVEMENT MUST MEET MINIMUM REQUIREMENTS OF TS 03266.1 (R71) FOR DENSITY / MOISTURE CONDITIONING PRIOR TO PLACEMENT OF SUBSEQUENT LAYERS (FOR CLASS 1 DGB IN TRAFFIC CATEGORY A BASE COURSE).
- APPROACHES TO SIGNALISED INTERSECTIONS TO COMPRISE OF HIGH FRICTION ASPHALT (HFA) FOR WEARING COURSE, FOR APPROACH DISTANCE OF 50m THROUGH THE INTERSECTION AND TO A POINT 5m BEYOND THE DEPARTURE SIDE MEDIAN NOSE ADDITIONALLY, BUS LANE MARKING AREAS TO COMPRISE OF HFA. ADOPTED HFA TO CONTAIN A MINIMUM PAFV >58 FOR 100% OF THE COURSE AGGREGATE.
- MILL AND RE-SHEET: AFTER MILLING OFF THE TOP 55 mm OF THE EXISTING PAVEMENT, THE EXPOSED SURFACE MAY REQUIRE A SUBSTANTIAL BUILD UP OF ASPHALT LAYERS TO CORRECT CROSSFALL, ASPHALT CORRECTOR COURSES MAY REQUIRE AC7 (C450) OR AC10 (C450). ASPHALT TYPES SHOULD COMPLY WITH SPECIFICATION R116 MINIMUM AND MAXIMUM COMPACTED THICKNESS REQUIREMENTS.
- ON COMPLETION OF THE MILLING OPERATION FOR MILL AND RESHEET (MR1), THE REMAINING ASPHALT LAYER SHALL BE INSPECTED BY THE INDEPENDENT VERIFIER TO ENSURE THAT SUFFICIENT AC LAYER COMPOSITION HAS REMAINED.
  - IF IT IS CRACKED, STRIPPED, DELAMINATED, VISUALLY DISTRESSED OR IF THE REMAINING LAYER IS LESS THAN 45 mm THICK, FULL AC PROFILE SHALL BE REMOVED AND REPLACED.
  - CRACKS WIDER THEN 3 mm SHALL BE SEALED IN ACCORDANCE WITH SPECIFICATION TNSW M211, PRIOR TO CONSTRUCTION OF THE NEW ASPHALT BASE COURSE.
- THE CONTRACTOR IS TO ENSURE A SMOOTH TRANSITION IS ACHIEVED BETWEEN EXISTING AND PROPOSED PAVEMENTS.
- METHODOLOGY OF CONSTRUCTION OF RBM800 LAYER AND ASPHALT LAYERS (FP1-ALT PAVEMENT PROFILE):
  - EXCAVATE TO SUBGRADE AS PER TNSW SPECIFICATION TS 02158.1 (R44). UNSUITABLE MATERIAL AS PER TNSW SPECIFICATION TS 02158.1 (R44).
  - FOR TOP 250mm OF RBM800 LAYER FIELD DENSITY TEST TO BE CARRIED OUT TO ACHIEVE THE FIELD WET DENSITY READING OF AT LEAST 2.24 t/m<sup>3</sup> WHICH CORRESPONDS TO 102% RELATIVE COMPACTION FOR RBM800. THE WET DENSITY READING OF 2.24 t/m<sup>3</sup> IS AN AVERAGE DENSITY READING DERIVED FROM OTHER TNSW PROJECTS WHICH CORRESPONDS TO 102% RELATIVE COMPACTION. BOTTOM 300mm OF THE HEAVILY BOUND LAYER TO ACHIEVE 98% COMPACTION.
  - AC20 LAYERS TO BE WARM MIX ASPHALT.
  - IN LOCALISED AREAS WHERE A ROLLER CANNOT ACCESS (SUCH AS CORNERS OF EXCAVATION), PLATE COMPACTOR CAN BE USED BY PLACING THINNER RBM800 LAYERS TO ACHIEVE APPROPRIATE COMPACTION MENTIONED ABOVE.
  - MILL AND RESHEET WEARING COURSE WITH AC14 IN SEPARATE SHIFT WHEN ALL THE WORKS IN THIS AREA IS COMPLETED.
  - FOR UTILITY TRENCH WORKS, SAND:CEMENT MIX (8:1) (M258) TO REPLACE HEAVILY BOUND SUBBASE.

**PAVEMENT JOINTING**

- THE CONTRACTOR IS TO ENSURE A UNIFORM TRANSITION IS ACHIEVED BETWEEN EXISTING AND PROPOSED PAVEMENTS.
- SHARED PATH JOINTING DETAILS TO BE IN ACCORDANCE WITH DS2012/000293, ED1 REV 2, RIGID PAVEMENT BICYCLE PATH DESIGN AS A MINIMUM

**PAVEMENT EDGE DETAILS**

- PAVEMENT EDGE DETAIL SCHEDULES ARE TO BE READ IN CONJUNCTION WITH THE PAVEMENT PLANS, ALIGNMENT CROSS-SECTIONS AND TYPICAL EDGE DETAILS INCLUDED IN PROJECT WIDE PAVEMENT TYPICAL DETAILS DESIGN.
- PAVEMENT EDGE DETAILS SHOWN IN THE SCHEDULE HAVE BEEN DETERMINED BASED ON CROSS - SECTIONAL LEVEL OUTPUTS AT 25m INTERVALS. THE CONTRACTOR SHALL CONFIRM ON SITE THE EXACT TRANSITION LOCATIONS BETWEEN DIFFERENT EDGE DETAIL TREATMENTS.

**SPECIFICATIONS**

- ALL PAVEMENT WORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH RELEVANT TNSW PROJECT QA SPECIFICATIONS AVAILABLE ON TNSW WEBSITE, UNLESS STATED OTHERWISE.




**SUBSURFACE DRAINAGE NOTES**

- THE CONTRACTOR SHALL ENSURE CORRECT INTEGRATION OF SUBSURFACE DRAINS AND PAVEMENT EDGE DETAILS.
- FOR HIGH SIDE OR LOW SIDE EDGE DETAILS, THE POSITION OF THE TRENCH DRAINS IS TO BE LOCATED UNDER THE LOW SIDE OF THE NFC PAD.
- DRAINAGE PIPE TO BE MINIMUM 100mm CORRUGATED PERFORATED PLASTIC DRAINAGE PIPE (TNSW SPECIFICATION TS 03552.1 (3552)).
- SUBSURFACE DRAINS TO COMPRISE OF NO FINES CONCRETE (TNSW SPECIFICATION TS 03325.1 - 3222) UNDER TRAFFICABLE AREAS INCLUDES DRIVEWAY CROSSING AND SIDE ROADS. TRENCH WIDTHS ARE PRESENTED ON EDGE AND INTERFACE DETAILS.
- UNPERFORATED PLASTIC PIPE SHALL BE USED FOR SECTIONS OF SUBSURFACE DRAINS THAT ARE USED AS CARRIER PIPE (SUCH AS AT VERGE CROSSINGS TO OUTLETS) IN ACCORDANCE WITH TNSW STANDARD PAVEMENT SUBSURFACE DRAINAGE DETAILS - DRAWING SERIES MD.R33.A04 - SHEET 1 AND SHEET 2.
- CARRIER PIPES TO BE ORIENTATED 40 - 60 DEGREES FROM SUBSOIL OUTLETS, IN DIRECTION OF FLOW.
- LOCAL ADJUSTMENTS MAYBE REQUIRED TO AVOID CLASHES WITH UTILITY SERVICES.
- PAVEMENT TYPE FP1 HAS BEEN ADOPTED TO MATCH EXISTING, NOT REQUIRING SUBSURFACE DRAINAGE WHERE MOISTURE FLOW PATHS CAN BE MAINTAINED.

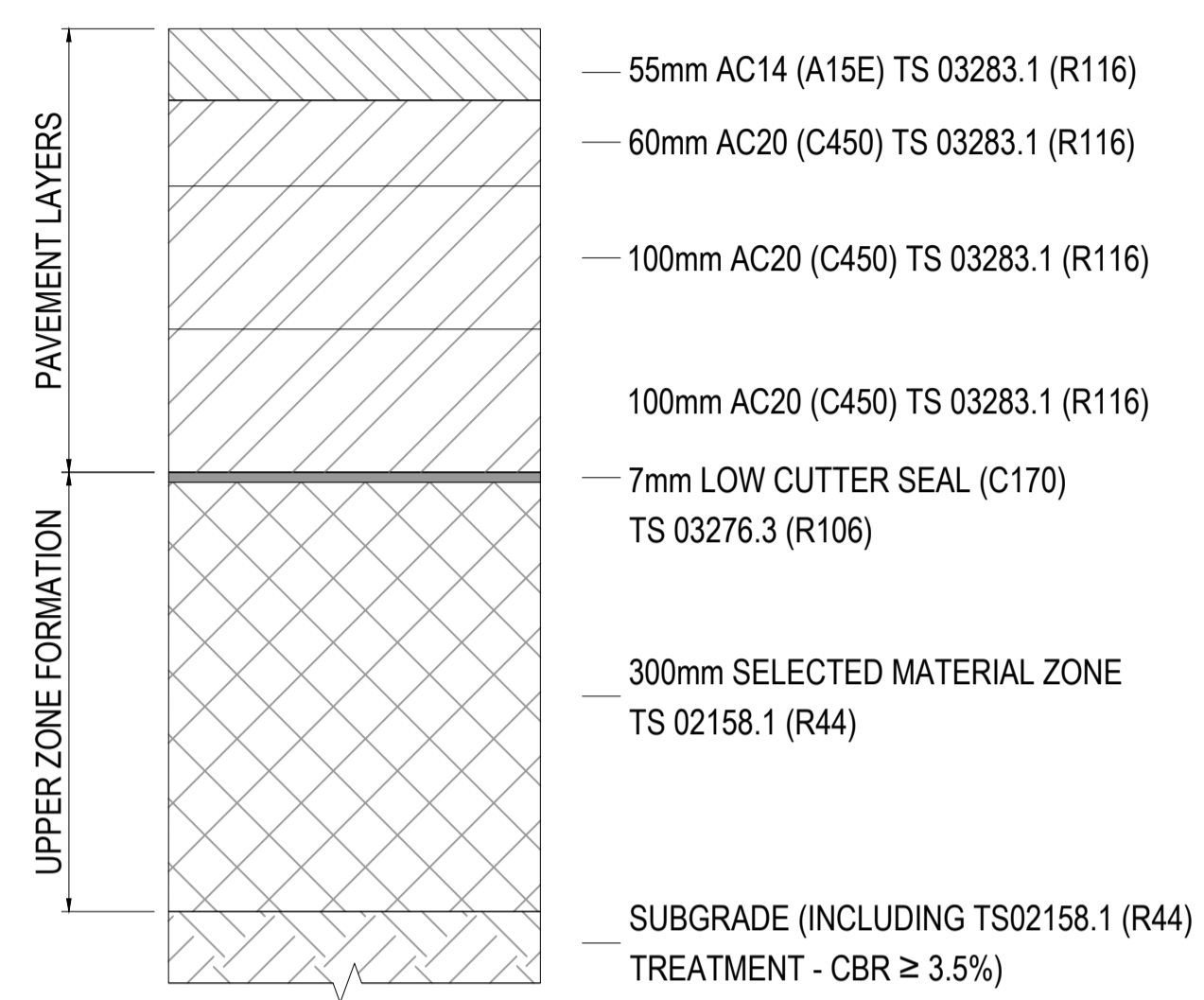
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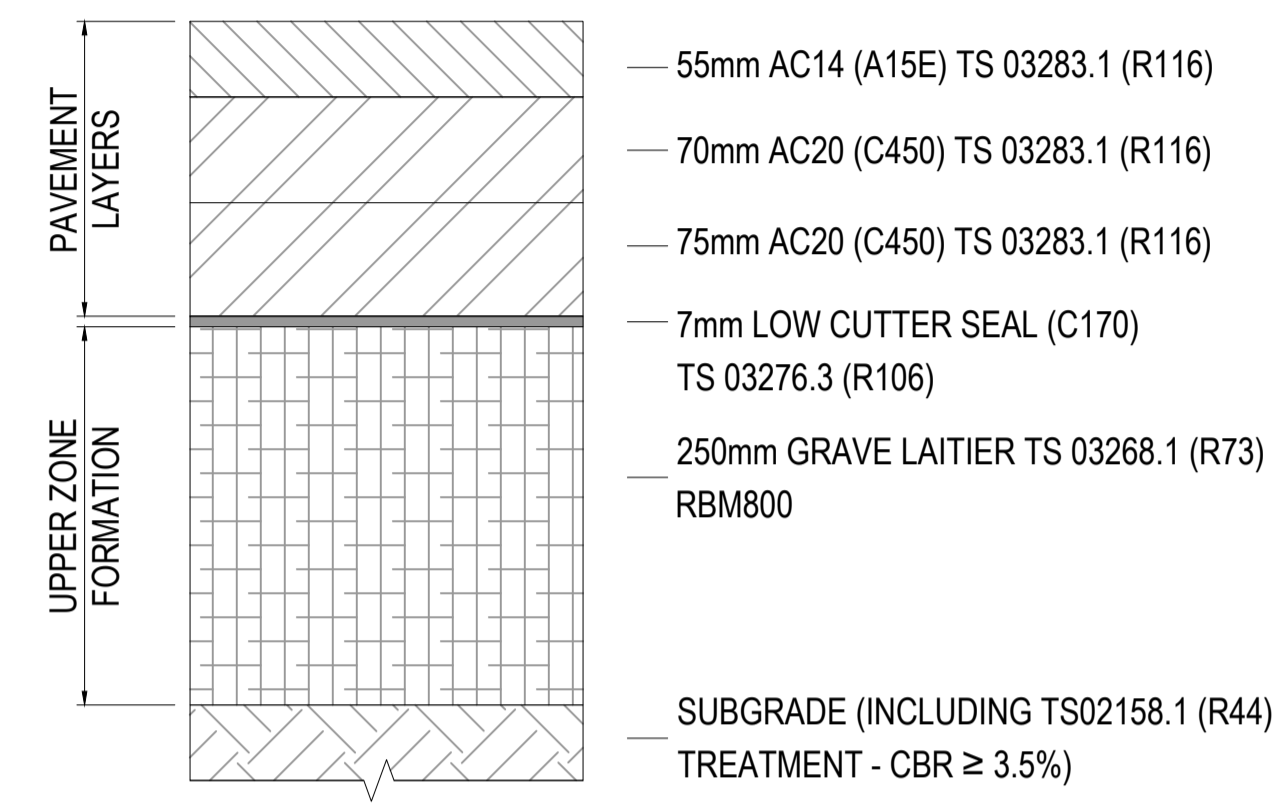
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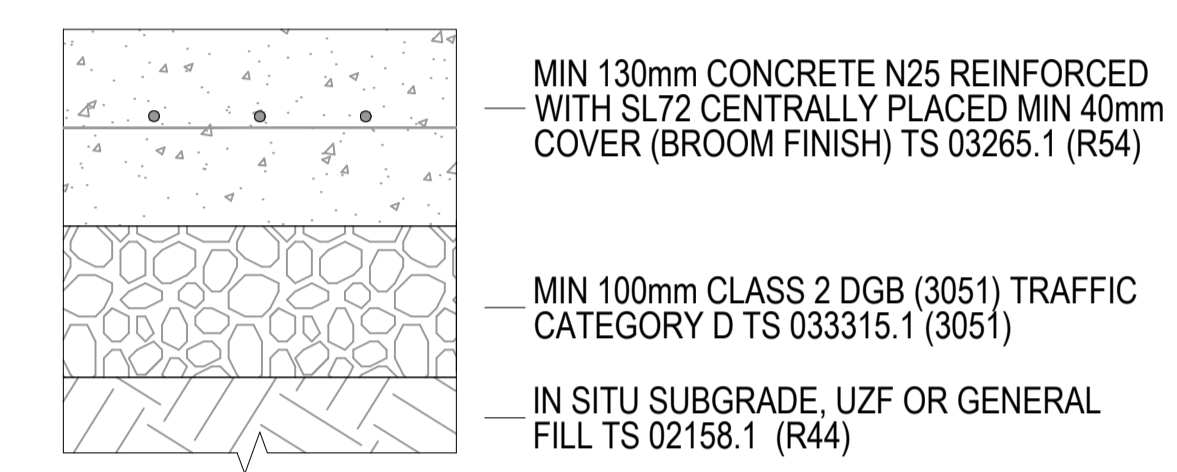


**PAVEMENT TYPE FP1**  
FULL DEPTH ASPHALT  
(LANE AND EDGE WIDENING)  
SCALE 1:5

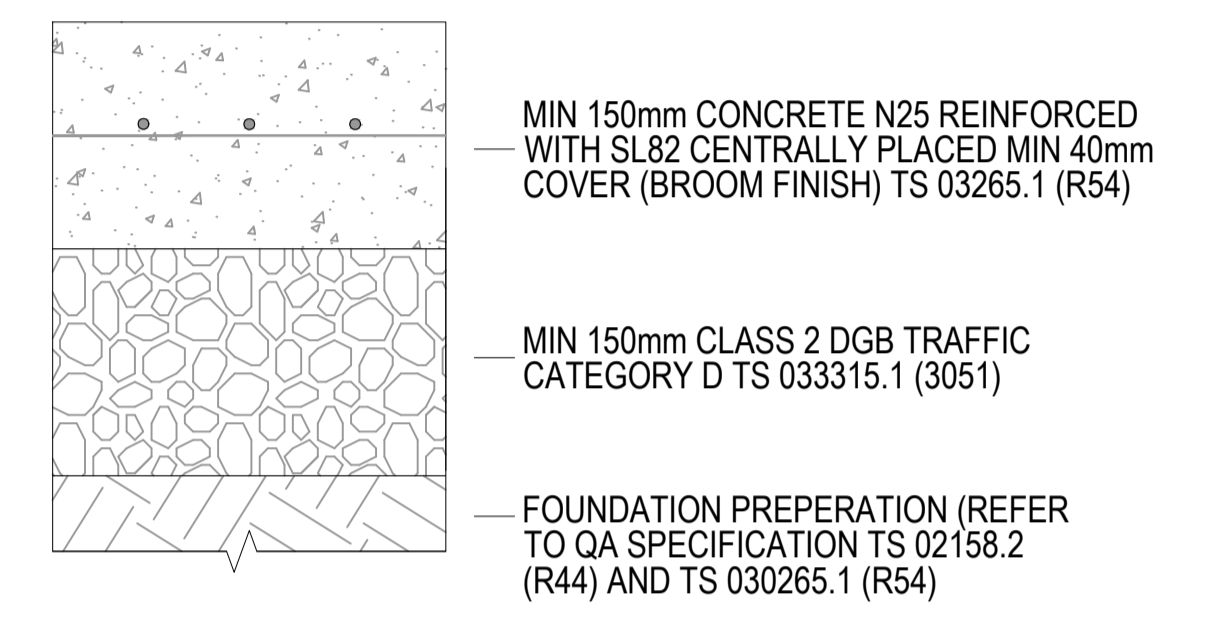


**PAVEMENT TYPE FP1-ALT**  
THICK ASPHALT OVER HEAVY BOUND MATERIAL  
SCALE 1:5

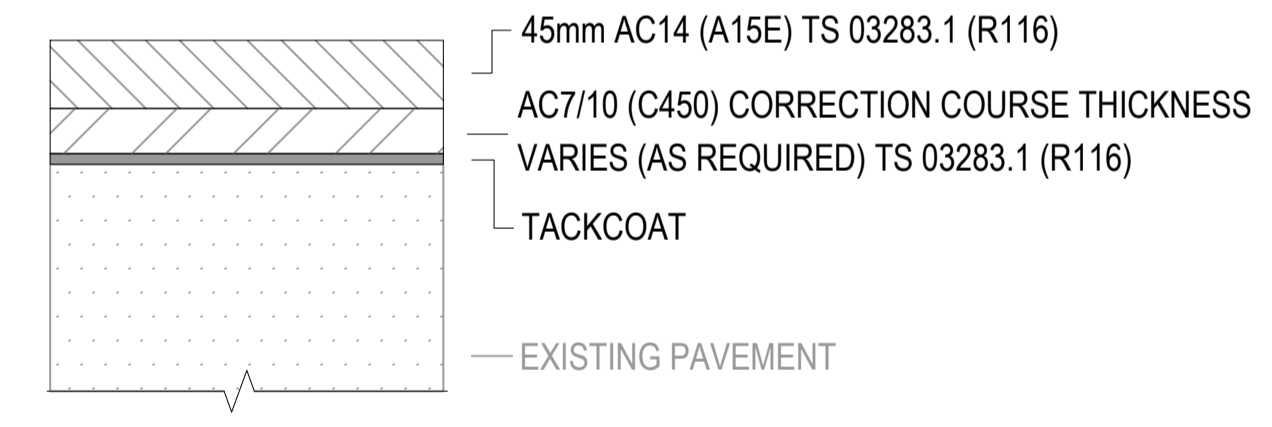
NOTE:  
1. WARM MIX ASPHALT CAN BE USED FOR ALL AC20 LAYERS  
2. REFER NOTE 13



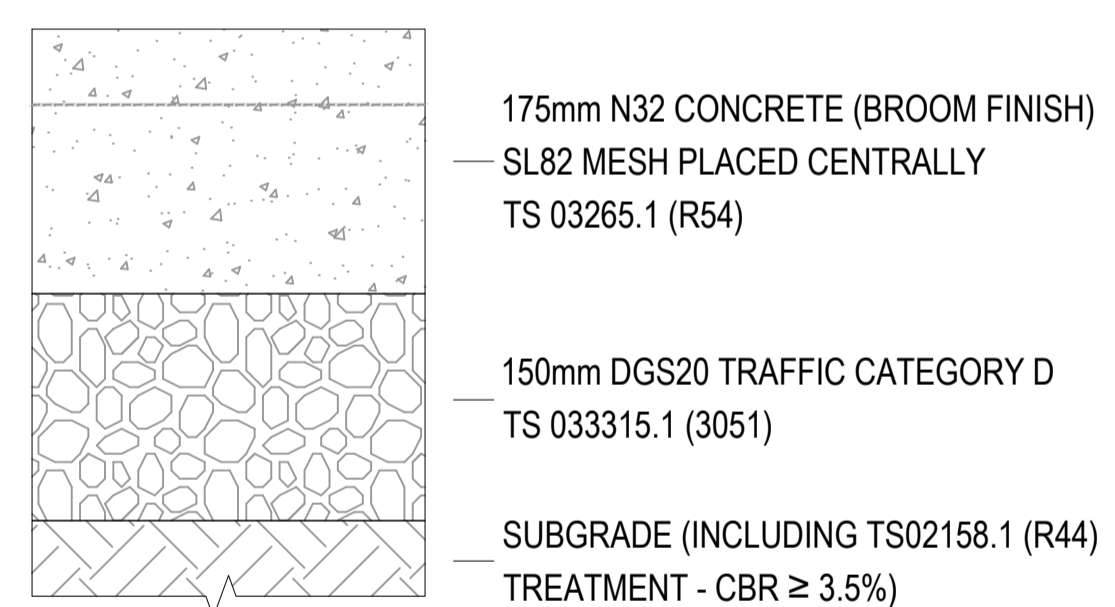
**PAVEMENT TYPE RM1**  
JOINTED REINFORCED CONCRETE  
SCALE 1:5



**PAVEMENT TYPE SP1**  
JOINTED REINFORCED CONCRETE  
SCALE 1:5



**PAVEMENT TYPE MR1**  
WITH DENSE GRADED ASPHALT WEARING COURSE  
SCALE 1:5



**PAVEMENT TYPE DR1**  
DRIVEWAY  
SCALE 1:5

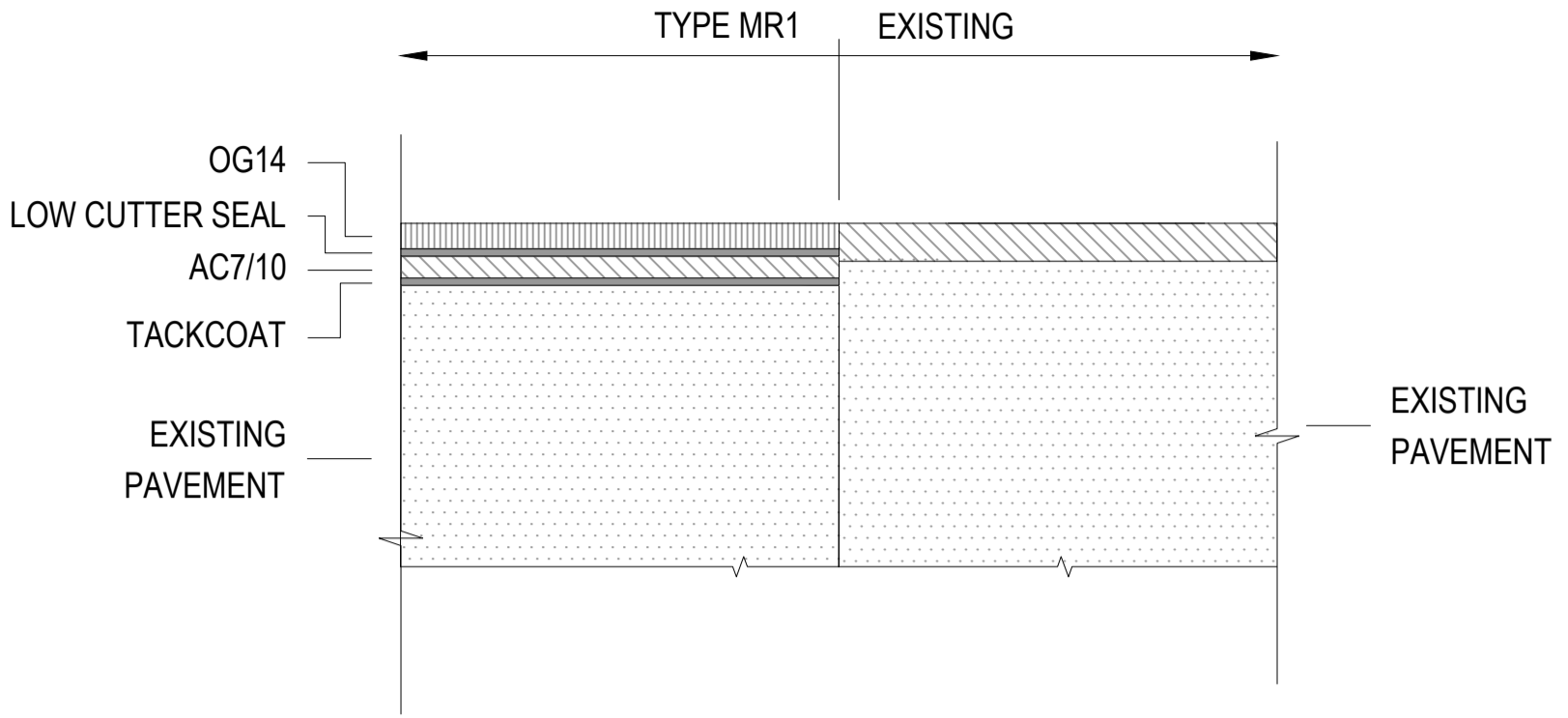


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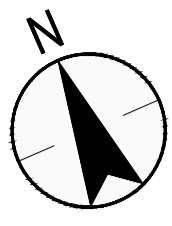
**DETAIL IF01**  
PAVEMENT TYPE MR1 TO EXISTING  
TRANSVERSE INTERFACE DETAIL  
SCALE 1:10

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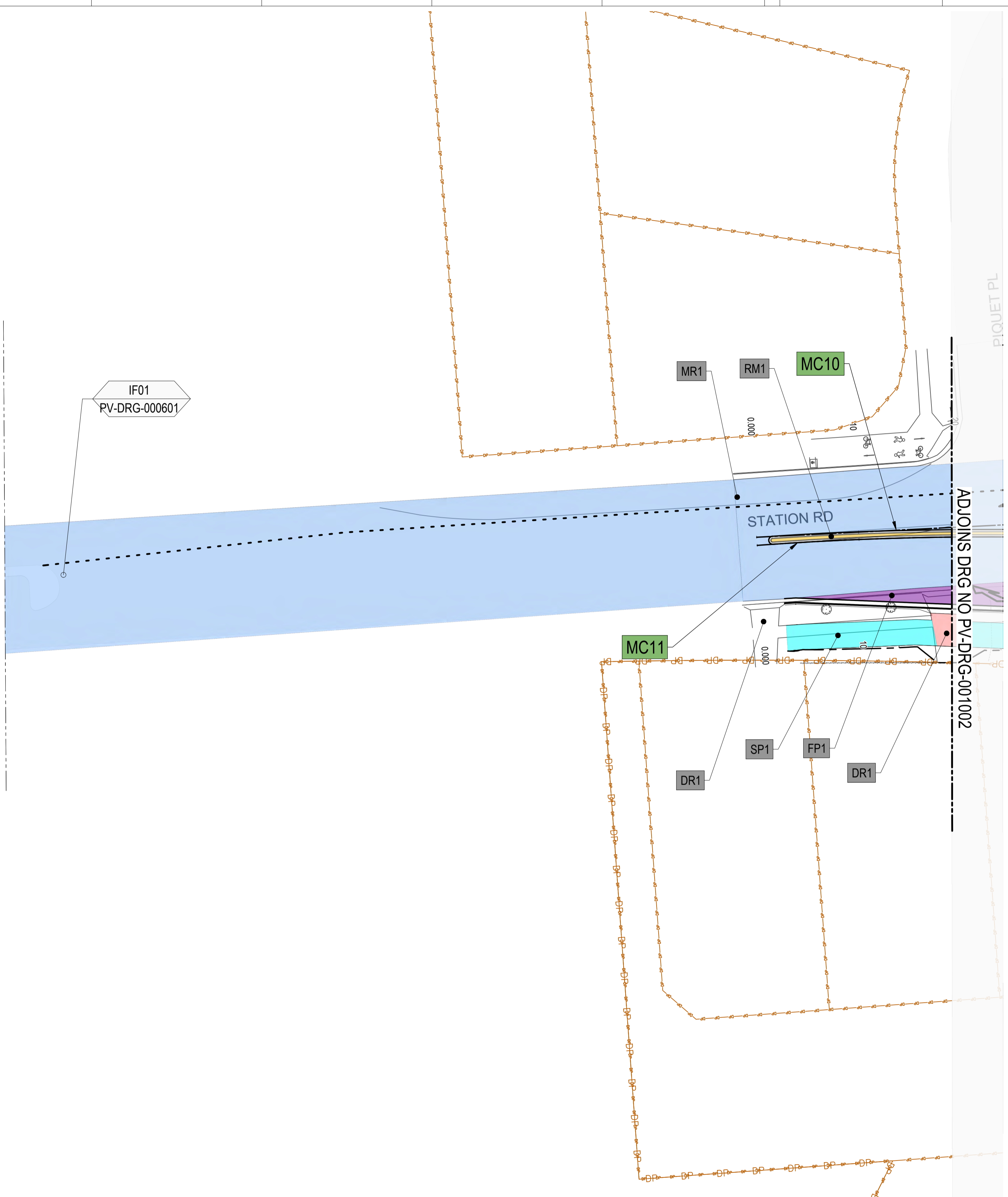
E

F

G

H

LIMIT OF WORKS

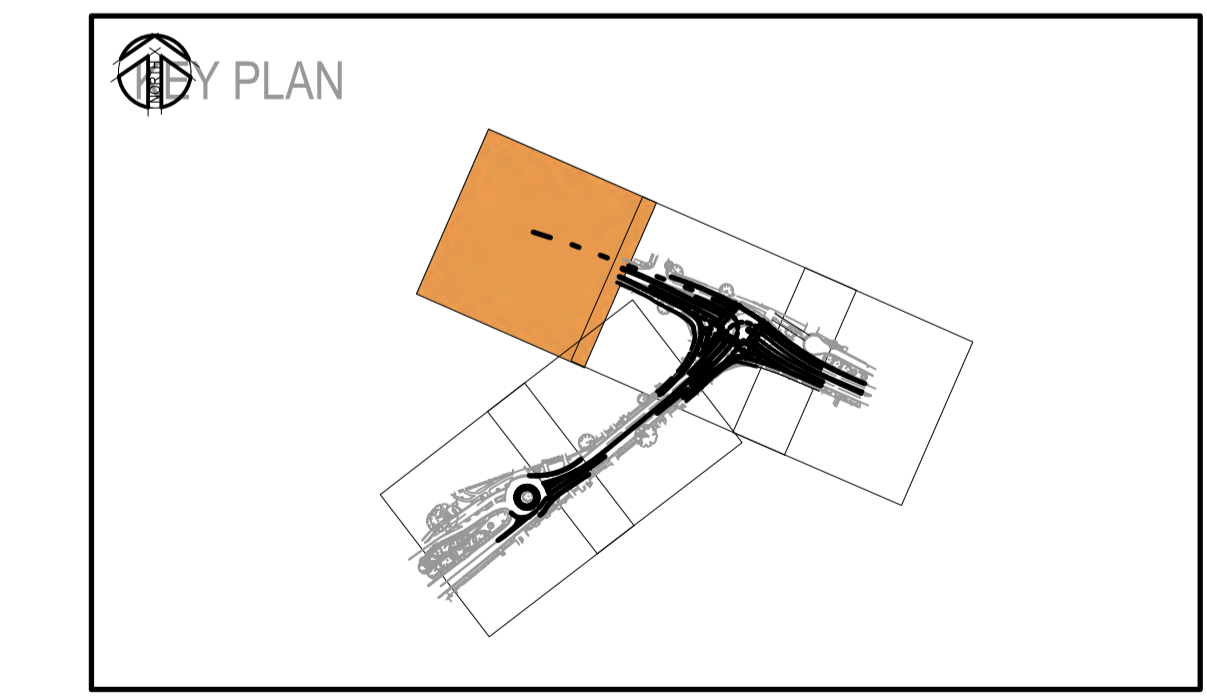


**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED PROJECT BOUNDARY
- PROPOSED DESIGN
- EXISTING CADASTRAL BOUNDARY
- EXISTING SURVEY
- PAVEMENT TYPE FP1
- PAVEMENT TYPE FP1 WITH HFA (REFER TO PAVEMENT NOTE 9)
- PAVEMENT TYPE FP1- ALT
- PAVEMENT TYPE FP1- ALT WITH HFA (REFER TO PAVEMENT NOTE 9)
- PAVEMENT TYPE MR1
- PAVEMENT TYPE MR1 WITH HFA (REFER TO PAVEMENT NOTE 9)
- PAVEMENT TYPE RM1
- PAVEMENT TYPE DR1
- PAVEMENT TYPE SP1
- IF06 PV-DRG-016 EDGE AND INTERFACE TAG

**NOTES:**

1. FOR GENERAL PAVEMENT NOTES REFER TO DRAWING PV-DRG-000003.
2. FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-000011 TO RW-DRG-000016.
3. FOR PAVEMENT PROFILES REFER TO DRAWINGS PV-DRG-000011
4. FOR PAVEMENT DETAILS REFER TO DRAWINGS PV-DRG-000015, PV-DRG-000016, PV-DRG-000018 & PV-DRG-000019.
5. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



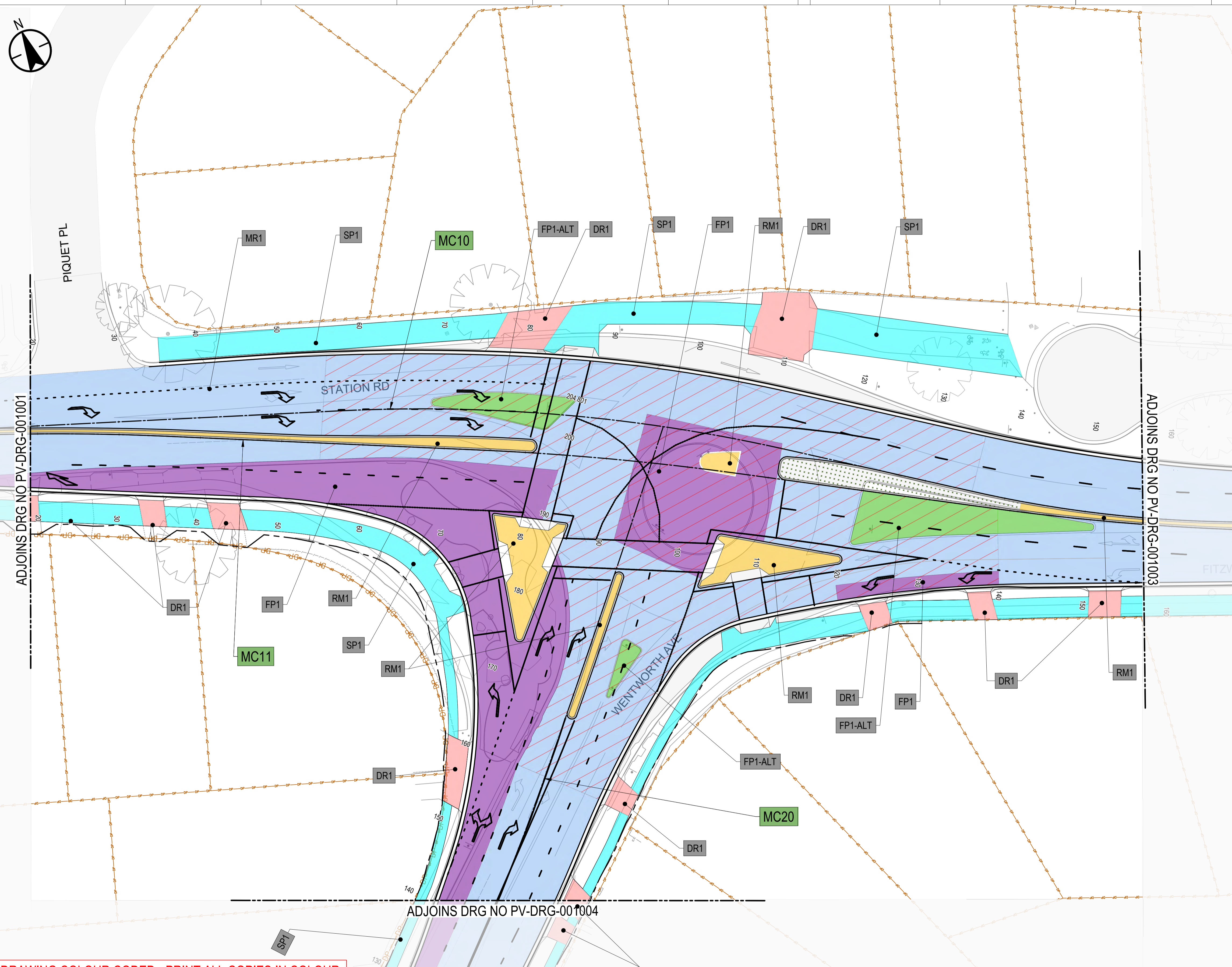
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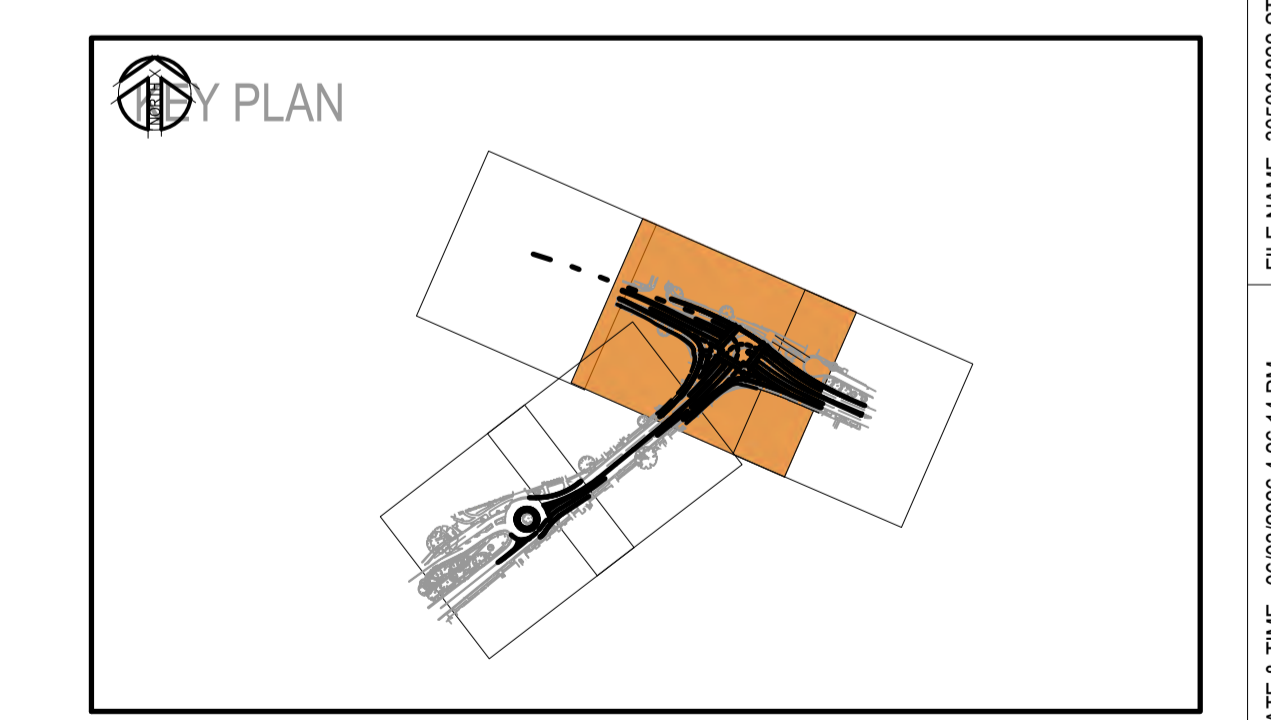
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### LEGEND

- MC10 CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED PROJECT BOUNDARY
- PROPOSED DESIGN
- DP --- DP --- DP --- EXISTING CADASTRAL BOUNDARY
- EXISTING SURVEY
- PAVEMENT TYPE FP1
- PAVEMENT TYPE FP1 WITH HFA (REFER TO PAVEMENT NOTE 9)
- PAVEMENT TYPE FP1- ALT
- PAVEMENT TYPE FP1- ALT WITH HFA (REFER TO PAVEMENT NOTE 9)
- PAVEMENT TYPE MR1
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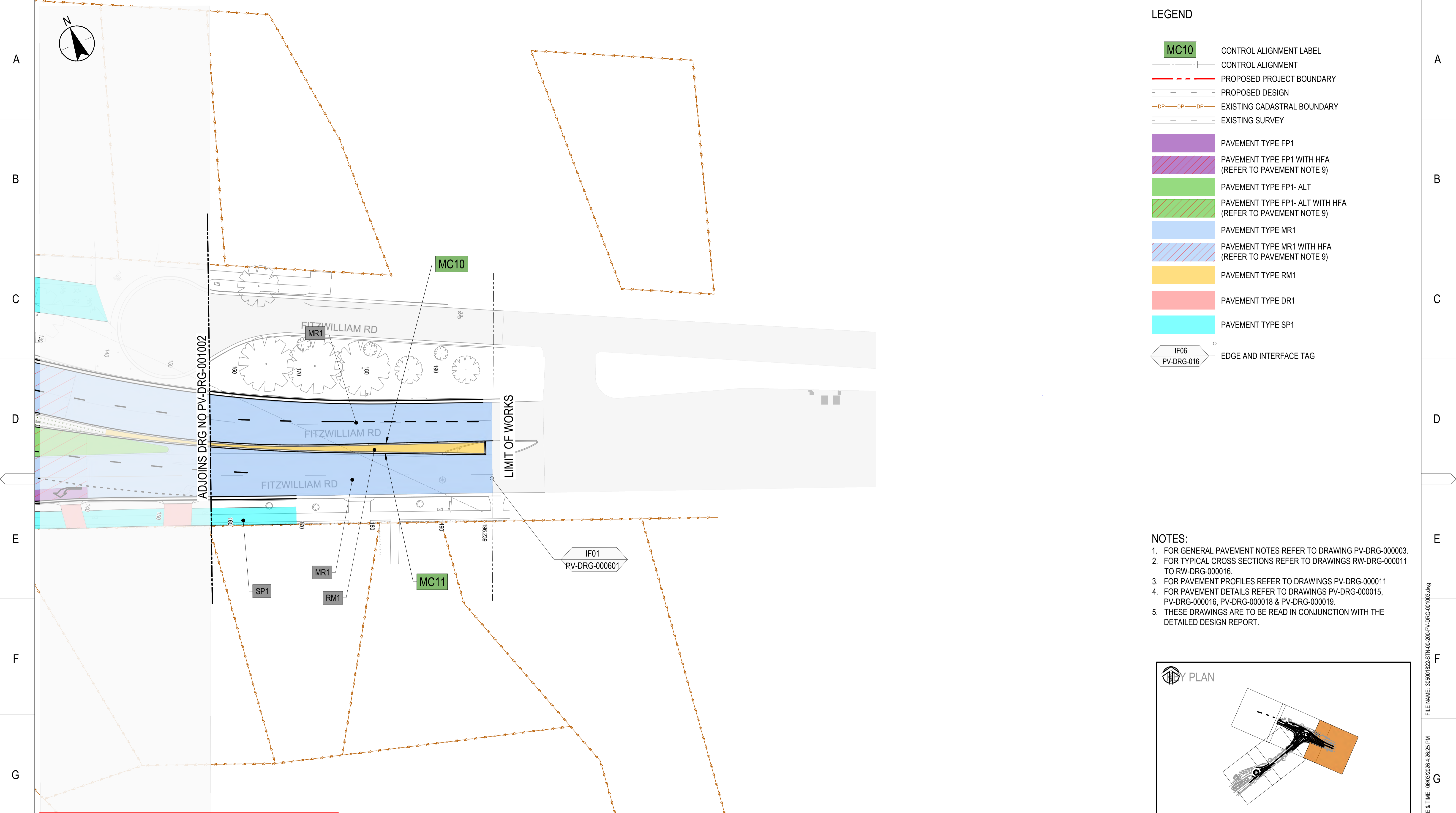
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<b>REFERENCES:</b> -MPT-DE-M3D-??	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.	SCALE: 1:500 	<b>CLIENT:</b> 	<small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small>	<b>CITY OF PARRAMATTA COUNCIL</b> <b>TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</b>																																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV</th> <th>DESCRIPTION</th> <th>DESIGNER INITIAL/DATE</th> <th>VERIFIED INITIAL/DATE</th> <th>APPROVED INITIAL/DATE</th> </tr> </thead> <tbody> <tr> <td>B.0</td> <td>ISSUED FOR 80% DETAILED DESIGN</td> <td>BD / 06.03.26</td> <td>DD / 06.03.26</td> <td>DA / 06.03.26</td> </tr> <tr> <td>A.0</td> <td>ISSUED FOR 50% DETAILED DESIGN</td> <td>BD / 29.07.25</td> <td>DD / 29.07.25</td> <td>DA / 29.07.25</td> </tr> </tbody> </table>	REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE	B.0	ISSUED FOR 80% DETAILED DESIGN	BD / 06.03.26	DD / 06.03.26	DA / 06.03.26	A.0	ISSUED FOR 50% DETAILED DESIGN	BD / 29.07.25	DD / 29.07.25	DA / 29.07.25	COORDINATE SYSTEM: GDA1994 MGA56  HEIGHT DATUM: AHD	DESIGN LOT CODE:	<b>PREPARED FOR:</b> 	<table border="0" style="width: 100%;"> <tr> <td>DRAWN</td><td>H.KARBALAEI SADEGH</td><td>06.03.26</td> </tr> <tr> <td>DESIGNED</td><td>B. DEOJU</td><td>06.03.26</td> </tr> <tr> <td>DRG CHECK</td><td>K. CURLEY</td><td>06.03.26</td> </tr> <tr> <td>DESIGN CHECK</td><td>D. DATE</td><td>06.03.26</td> </tr> <tr> <td>PROJ/DES MNGR</td><td>D. ATKINSON</td><td>06.03.26</td> </tr> <tr> <td>APPROVED</td><td>D. ATKINSON</td><td>06.03.26</td> </tr> </table>	DRAWN	H.KARBALAEI SADEGH	06.03.26	DESIGNED	B. DEOJU	06.03.26	DRG CHECK	K. CURLEY	06.03.26	DESIGN CHECK	D. DATE	06.03.26	PROJ/DES MNGR	D. ATKINSON	06.03.26	APPROVED	D. ATKINSON	06.03.26	PAVEMENT PLAN - SHEET 2 DRAWING SET No: _____ PART: SHEET: 02 OF 05 A1 STATUS: 80% DETAILED DESIGN BRIDGE No: _____ DRG No: 305001822-STN-00-200-PV-DRG-001002 REV B VER 0 EDMS No. _____ AMD No. _____
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE																																		
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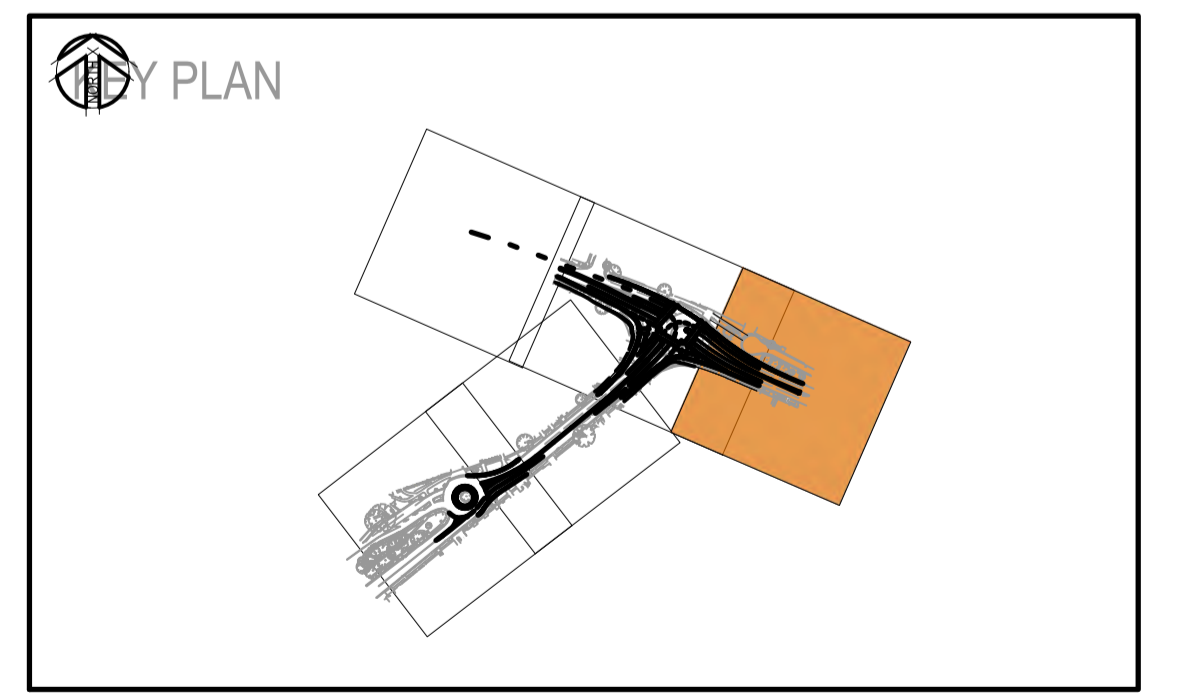
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**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED PROJECT BOUNDARY
- PROPOSED DESIGN
- DP---DP---DP--- EXISTING CADASTRAL BOUNDARY
- EXISTING SURVEY
- PAVEMENT TYPE FP1
- PAVEMENT TYPE FP1 WITH HFA (REFER TO PAVEMENT NOTE 9)
- PAVEMENT TYPE FP1- ALT
- PAVEMENT TYPE FP1- ALT WITH HFA (REFER TO PAVEMENT NOTE 9)
- PAVEMENT TYPE MR1
- PAVEMENT TYPE MR1 WITH HFA (REFER TO PAVEMENT NOTE 9)
- PAVEMENT TYPE RM1
- PAVEMENT TYPE DR1
- PAVEMENT TYPE SP1
- IF06  
PV-DRG-016 EDGE AND INTERFACE TAG

- NOTES:**
- FOR GENERAL PAVEMENT NOTES REFER TO DRAWING PV-DRG-000003.
  - FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-000011 TO RW-DRG-000016.
  - FOR PAVEMENT PROFILES REFER TO DRAWINGS PV-DRG-000011
  - FOR PAVEMENT DETAILS REFER TO DRAWINGS PV-DRG-000015, PV-DRG-000016, PV-DRG-000018 & PV-DRG-000019.
  - THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.

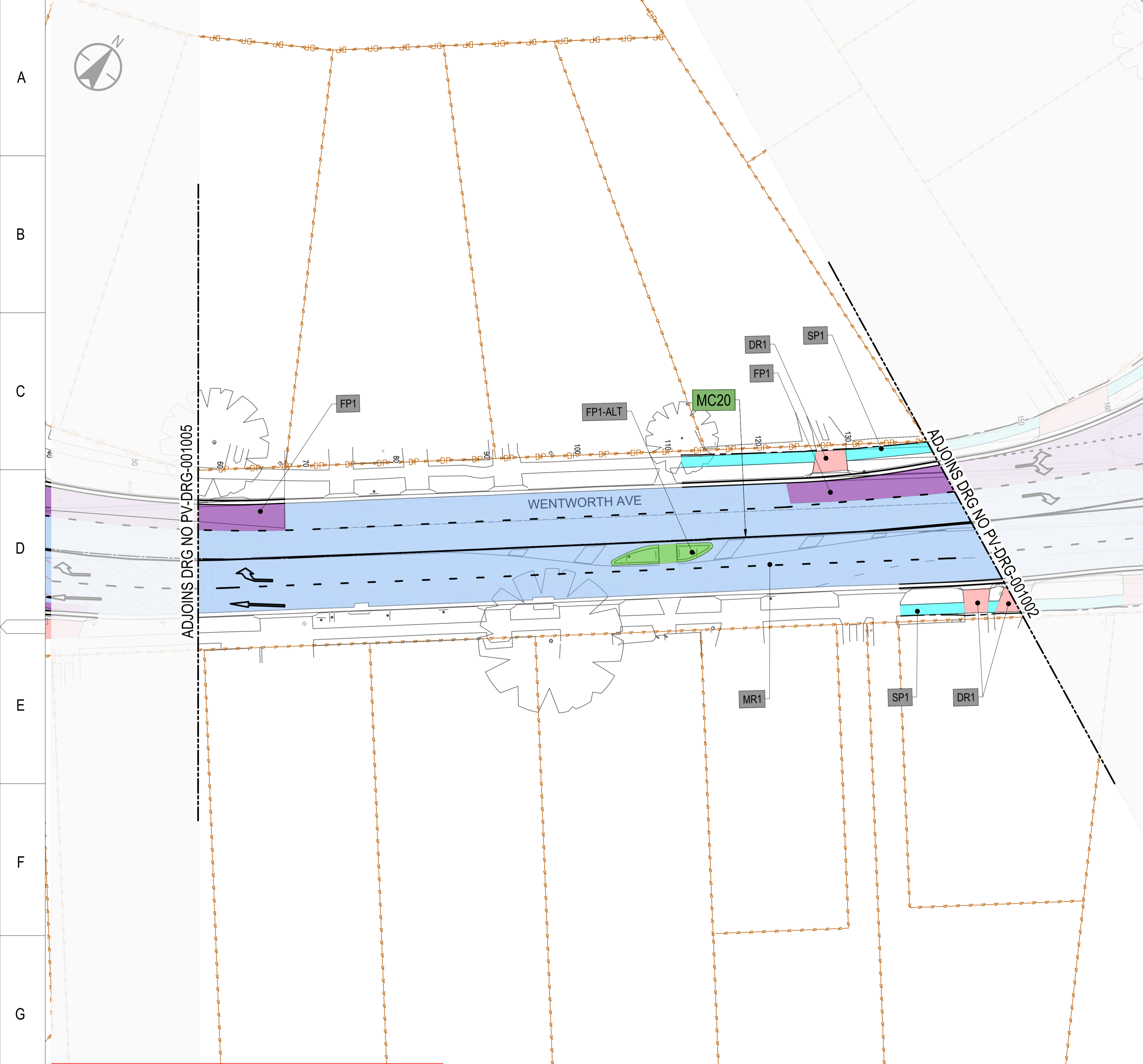


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<p><b>REFERENCES:</b></p> <p>-MPT-DE-M3D-??</p>	<p>THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.</p>	<p>SCALE: 1:500</p>	<p>CLIENT:</p> <p>PREPARED FOR:</p>	<p><small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small></p>	<p>CITY OF PARRAMATTA COUNCIL <b>TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</b></p>																																	
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<p>DRAWING SET No:</p>		<p>PART: SHEET: 03 OF 05 A1</p>		<p>BRIDGE No:</p>																																		
<p>DRG No: 305001822-STN-00-200-PV-DRG-01003</p>		<p>REV B VER 0</p>		<p>EDMS No. AMD No.</p>																																		

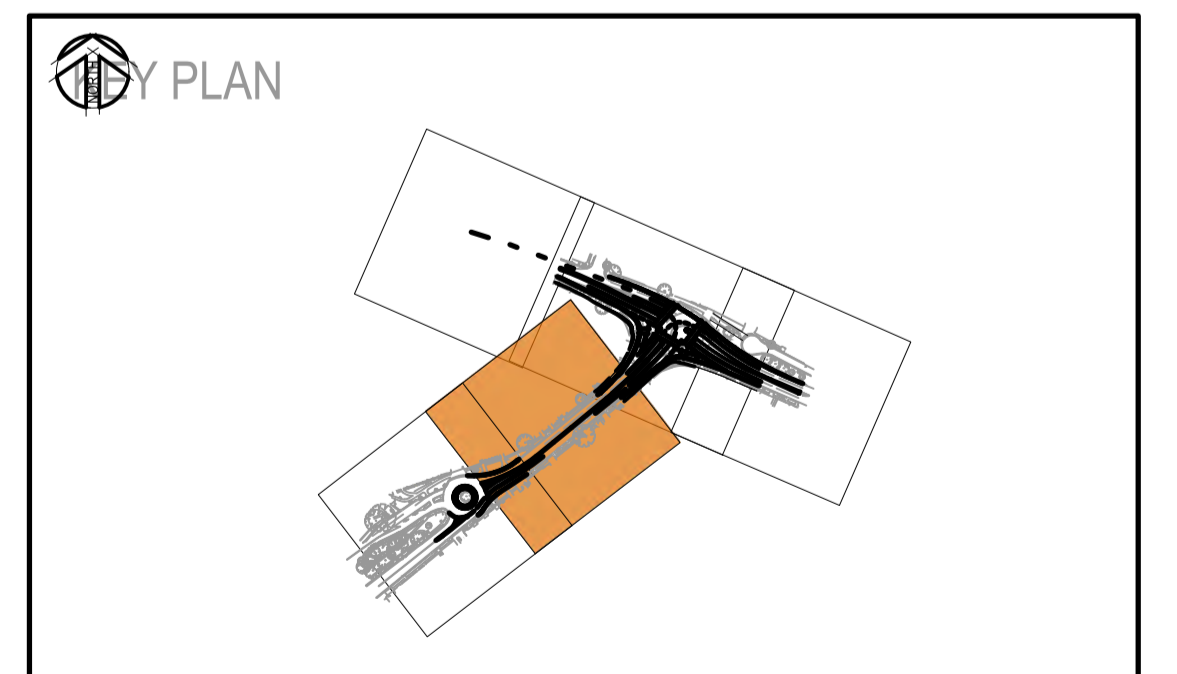
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**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED PROJECT BOUNDARY
- PROPOSED DESIGN
- EXISTING CADASTRAL BOUNDARY
- EXISTING SURVEY
- PAVEMENT TYPE FP1
- PAVEMENT TYPE FP1 WITH HFA (REFER TO PAVEMENT NOTE 9)
- PAVEMENT TYPE FP1- ALT
- PAVEMENT TYPE FP1- ALT WITH HFA (REFER TO PAVEMENT NOTE 9)
- PAVEMENT TYPE MR1
- PAVEMENT TYPE MR1 WITH HFA (REFER TO PAVEMENT NOTE 9)
- PAVEMENT TYPE RM1
- PAVEMENT TYPE DR1
- PAVEMENT TYPE SP1
- IF06 PV-DRG-016 EDGE AND INTERFACE TAG

- NOTES:**
- FOR GENERAL PAVEMENT NOTES REFER TO DRAWING PV-DRG-000003.
  - FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-000011 TO RW-DRG-000016.
  - FOR PAVEMENT PROFILES REFER TO DRAWINGS PV-DRG-000011
  - FOR PAVEMENT DETAILS REFER TO DRAWINGS PV-DRG-000015, PV-DRG-000016, PV-DRG-000018 & PV-DRG-000019.
  - THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



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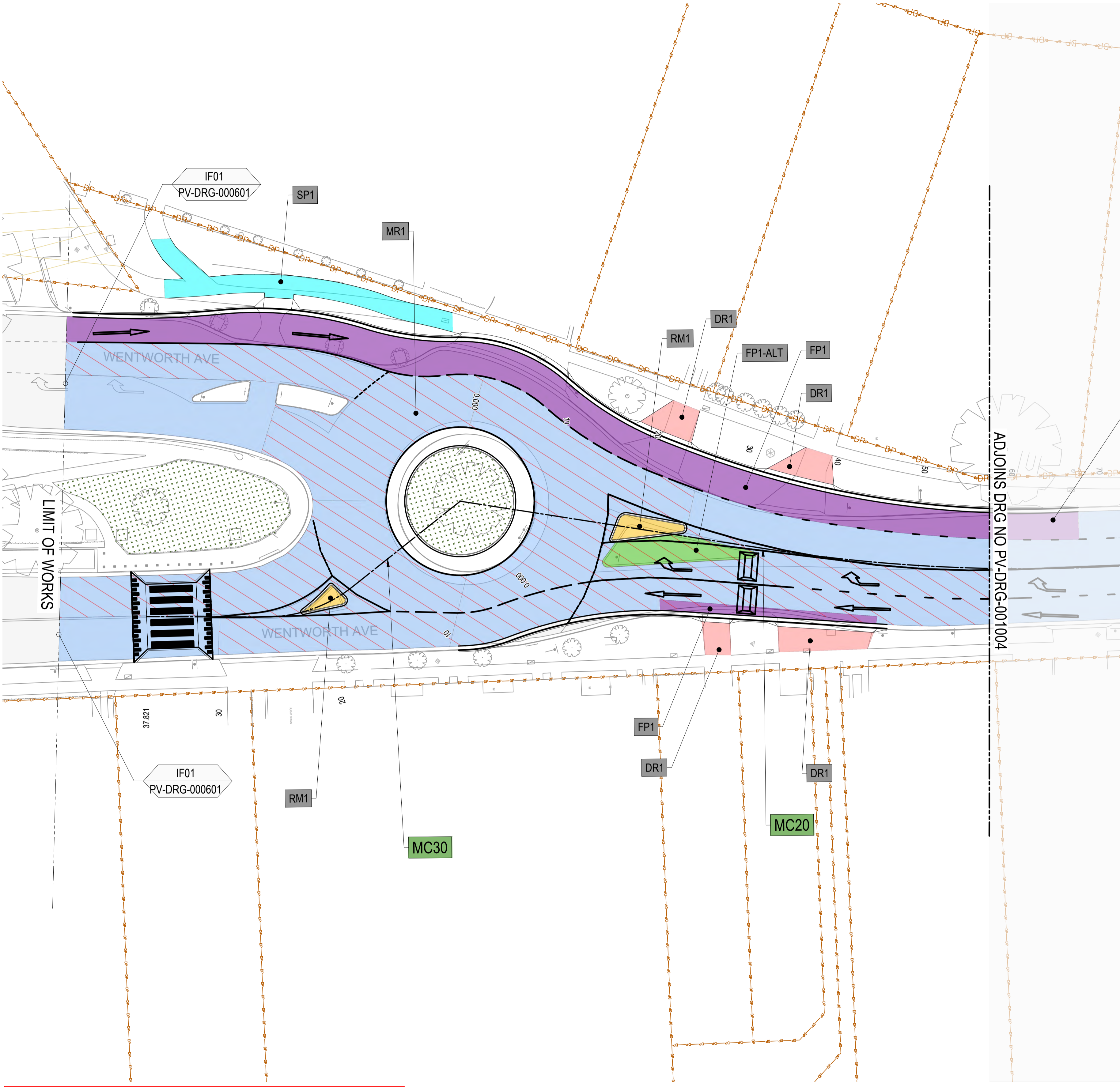
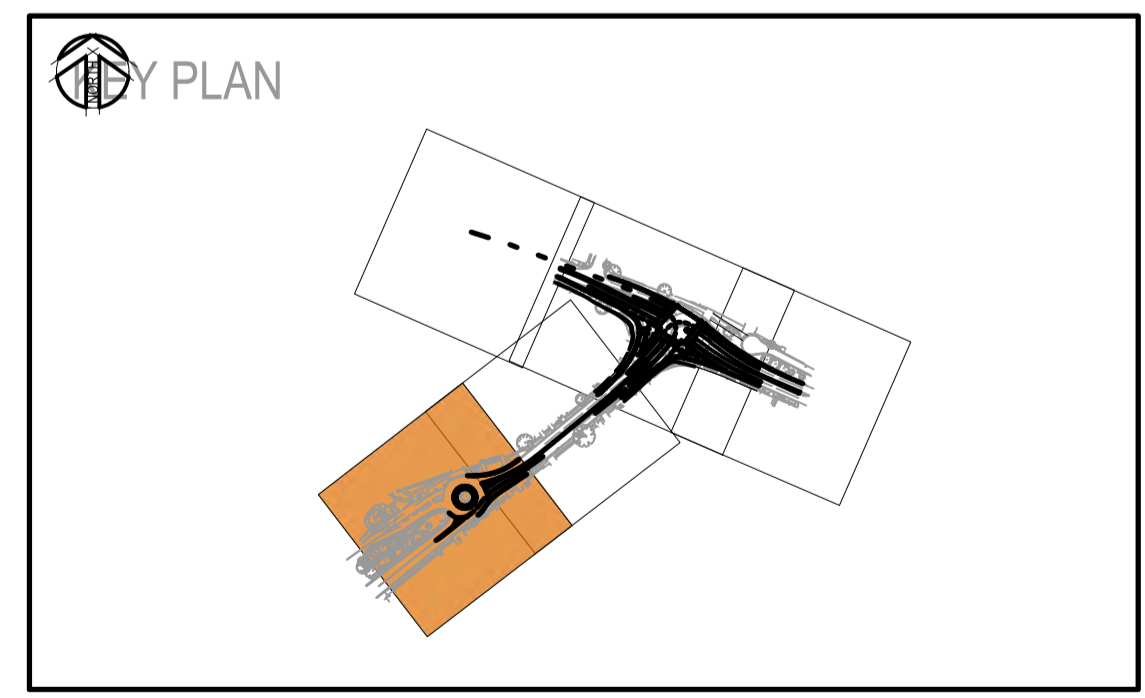
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COORDINATE SYSTEM: GDA1994 MGA56			HEIGHT DATUM: AHD	DESIGN LOT CODE:	STANTEC CIVIL																			
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**LEGEND**

	CONTROL ALIGNMENT LABEL
	CONTROL ALIGNMENT
	PROPOSED PROJECT BOUNDARY
	PROPOSED DESIGN
	EXISTING CADASTRAL BOUNDARY
	EXISTING SURVEY
	PAVEMENT TYPE FP1
	PAVEMENT TYPE FP1 WITH HFA (REFER TO PAVEMENT NOTE 9)
	PAVEMENT TYPE FP1- ALT
	PAVEMENT TYPE FP1- ALT WITH HFA (REFER TO PAVEMENT NOTE 9)
	PAVEMENT TYPE MR1
	PAVEMENT TYPE MR1 WITH HFA (REFER TO PAVEMENT NOTE 9)
	PAVEMENT TYPE RM1
	PAVEMENT TYPE DR1
	PAVEMENT TYPE SP1
	EDGE AND INTERFACE TAG

- NOTES:**
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  - FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-000011 TO RW-DRG-000016.
  - FOR PAVEMENT PROFILES REFER TO DRAWINGS PV-DRG-000011
  - FOR PAVEMENT DETAILS REFER TO DRAWINGS PV-DRG-000015, PV-DRG-000016, PV-DRG-000018 & PV-DRG-000019.
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A.0	ISSUED FOR 50% DETAILED DESIGN	BD / 29.07.25	DD / 29.07.25	DA / 29.07.25
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE

COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: 1:500

SCALE 1:250

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

STANTEC CIVIL

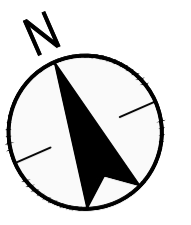
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DESIGNED	B. DEOJU	06.03.26
DRG CHECK	K. CURLEY	06.03.26
DESIGN CHECK	D. DATE	06.03.26
PROJ/DES MNGR	D. ATKINSON	06.03.26
APPROVED	D. ATKINSON	06.03.26

CITY OF PARRAMATTA COUNCIL  
TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
DESIGN AND DOCUMENTATION

PAVEMENT  
PLAN - SHEET 5

DRAWING SET No:	PART:	SHEET: 05 OF 05	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:		
DRG No: 305001822-STN-00-200-PV-DRG-001005	REV B	VER 0	EDMS No. AMD No.

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Girraween Creek

LIMIT OF WORKS

PIQUET PL

STATION RD

ADJOINS DRG NO LV-DRG-001002

MC10

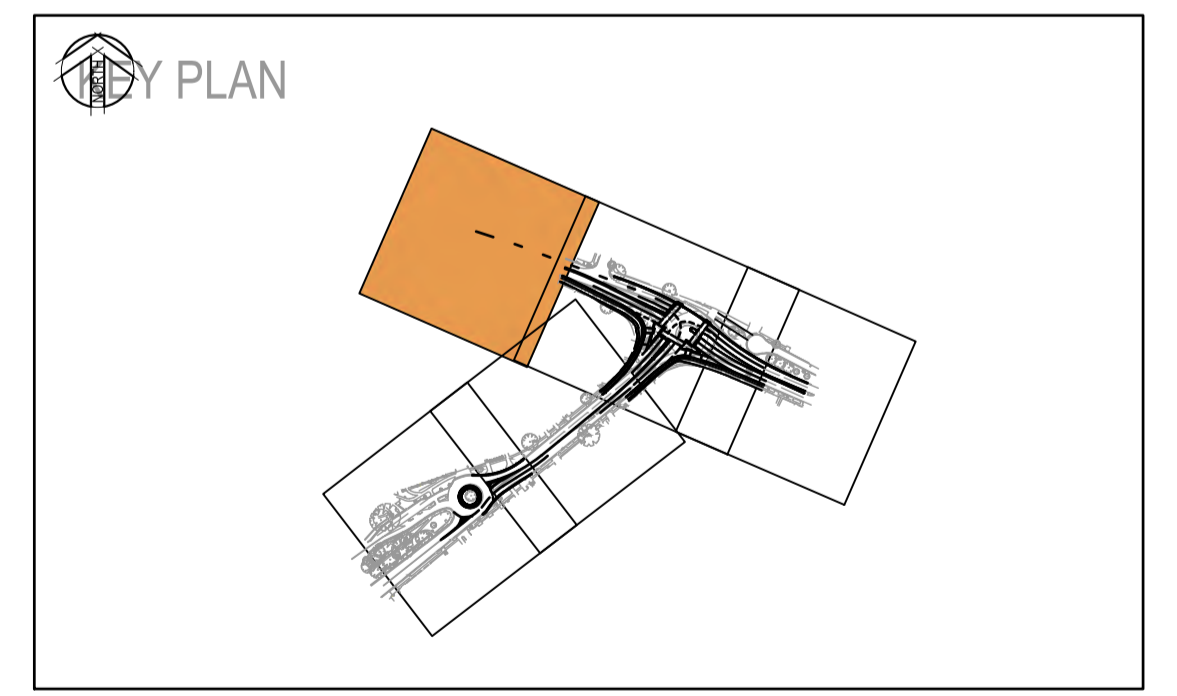
MC11

**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED PROJECT BOUNDARY
- PROPOSED CLEARING BOUNDARY
- PROPOSED DESIGN
- PROPOSED RETAINING WALL
- EXISTING CADASTRAL BOUNDARY
- EXISTING SURVEY
- 165W EXISTING LIGHTING POLE
- 165W EXISTING LIGHTING POLE TO BE RELOCATED.
- 165W PROPOSED NEW LIGHTING POLE
- Ⓢ LIGHT POLE NUMBER
- 3.75 LUX CONTOUR
- 5.0 LUX CONTOUR
- 7.5 LUX CONTOUR
- 10 LUX CONTOUR

**NOTES**

1. FOR GENERAL NOTES REFER TO DRAWING GN-DRG-500021.
2. FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-500011 & RW-DRG-500012.
3. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



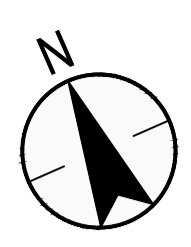
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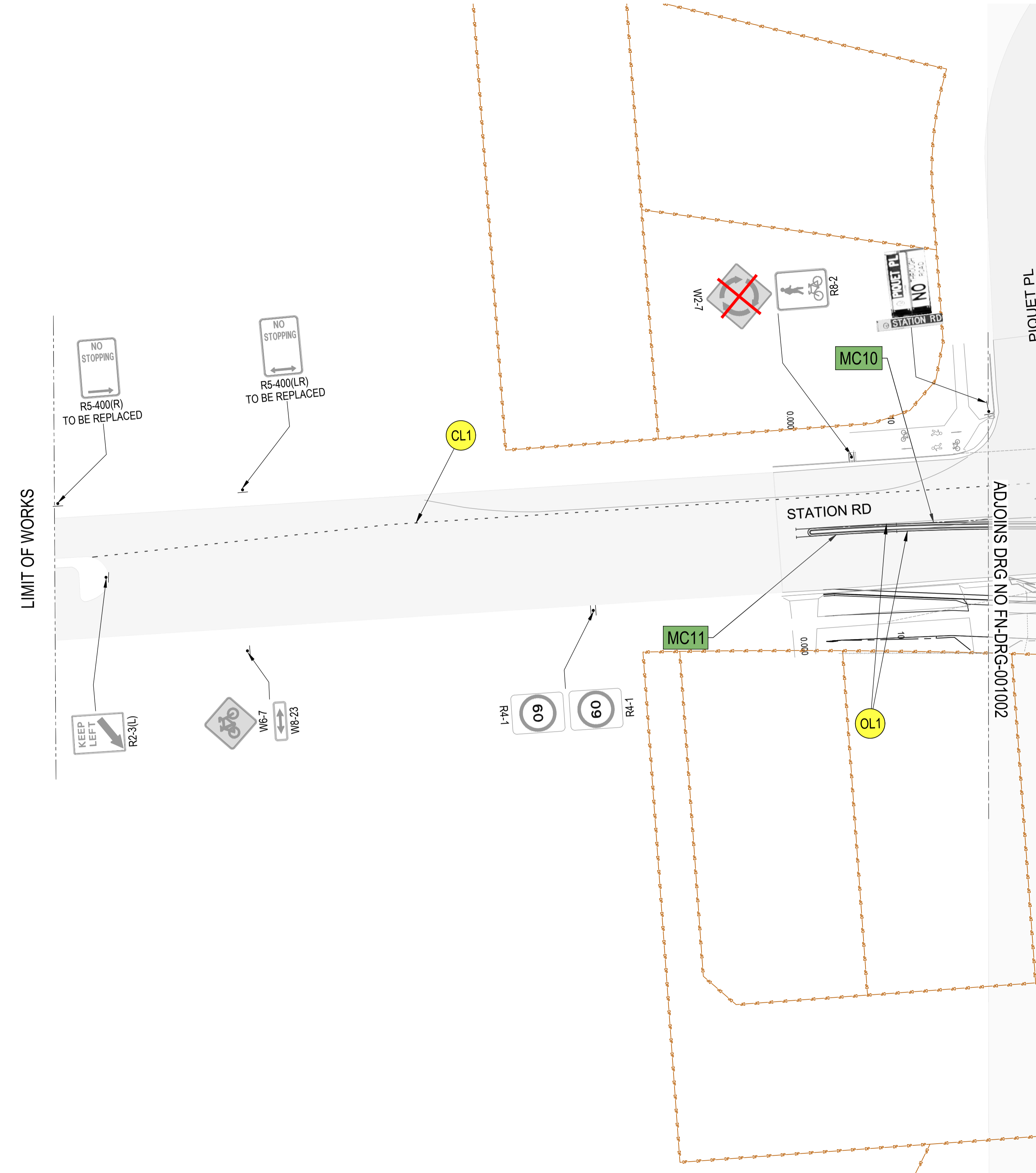
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LIGHTING PLAN - SHEET 1		DRAWING SET No: _____ PART: _____ SHEET: 01 OF 05 A1		STATUS: 80% DETAILED DESIGN BRIDGE No: _____	
REV A 0		EDMS No. _____		AMD No. _____	

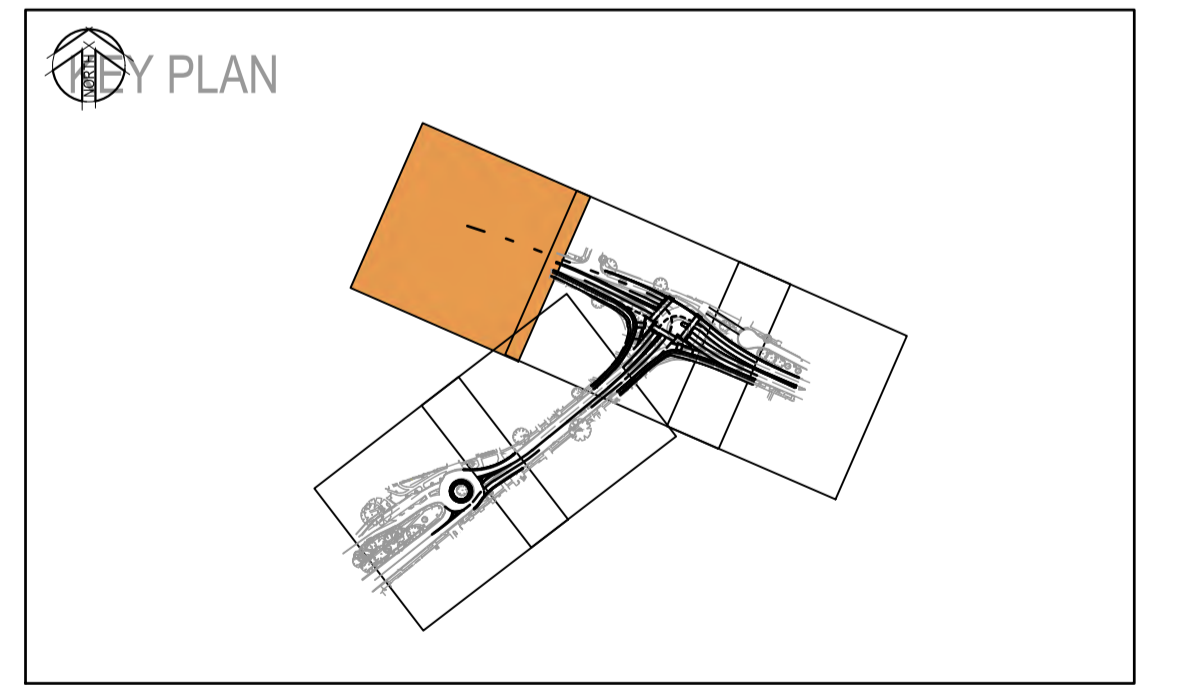
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LEGEND	
	CONTROL ALIGNMENT LABEL
	PROPOSED PROJECT BOUNDARY
	CONTROL ALIGNMENT
	EXISTING CADASTRAL BOUNDARY
	EXISTING FENCE
	EXISTING GATE
	PAVEMENT MARKING TAG
	PROPOSED PAVEMENT MARKING ARROWS AR1, AR3(L), AR3(R), AR5-2(R)
	PROPOSED BICYCLE PAVEMENT MARKING PS-2
	PROPOSED SIGN POST LOCATION
	EXISTING SIGN POST
	EXISTING SIGN POST TO BE REMOVED / RELOCATED
	PROPOSED SIGN
	EXISTING SIGN TO BE RETAINED
	EXISTING SIGN TO BE RELOCATED
	EXISTING SIGN TO BE REMOVED



- NOTES**
- FOR GENERAL NOTES REFER TO DRAWING GN-DRG-000021.
  - THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.
  - LOCATION OF PROPOSED KERBSIDE BARRIERS ON HOLD SUBJECT TO AGREEMENT ON TYPICAL CROSS SECTION FOR ROAD CORRIDOR.



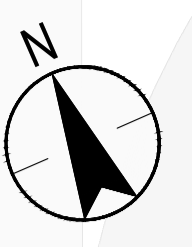
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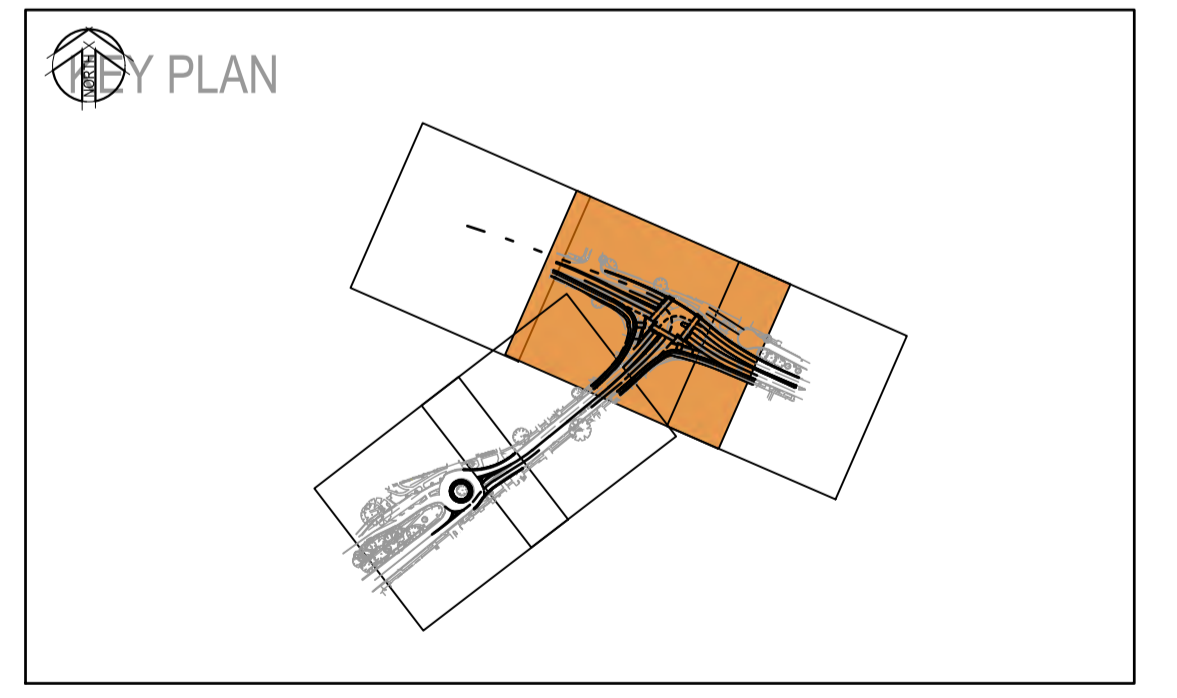
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	B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26		
	A.0	ISSUED FOR 50% DETAILED DESIGN	DP / 29.07.25	GT / 29.07.25	DA / 29.07.25		
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	COORDINATE SYSTEM: GDA1994 MGA56		HEIGHT DATUM: AHD		DESIGN LOT CODE:		
				 SCALE 1:250	<p>PREPARED FOR:</p> <p><b>Stantec</b></p> <p>DRAWN _____ H.KARBALAEI SADEGH _____ 06.03.26</p> <p>DESIGNED _____ D.POL _____ 06.03.26</p> <p>DRG CHECK _____ K.CURLEY _____ 06.03.26</p> <p>DESIGN CHECK _____ G.TASDEMIR _____ 06.03.26</p> <p>PROJ/DES MNGR _____ D.ATKINSON _____ 06.03.26</p> <p>APPROVED _____ D.ATKINSON _____ 06.03.26</p>	<p>DRAWING SET No: _____ PART: _____ SHEET: 01 OF 05 A1</p> <p>STATUS: 80% DETAILED DESIGN BRIDGE No: _____</p> <p>DRG No: 305001822-STN-00-200-FN-DRG-001001 REV B VER 0 EDMS No. _____ AMD No. _____</p>	

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PLOT DATE & TIME: 06/03/2026 4:19:36 PM



LEGEND	
	CONTROL ALIGNMENT LABEL
	PROPOSED PROJECT BOUNDARY
	CONTROL ALIGNMENT
	EXISTING CADASTRAL BOUNDARY
	EXISTING FENCE
	EXISTING GATE
	PAVEMENT MARKING TAG
	PROPOSED PAVEMENT MARKING ARROWS AR1, AR3(L), AR3(R), AR5-2(R)
	PROPOSED BICYCLE PAVEMENT MARKING PS-2
	PROPOSED SIGN POST LOCATION
	EXISTING SIGN POST
	EXISTING SIGN POST TO BE REMOVED / RELOCATED
	PROPOSED SIGN
	EXISTING SIGN TO BE RETAINED
	EXISTING SIGN TO BE RELOCATED
	EXISTING SIGN TO BE REMOVED

- NOTES**
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  - LOCATION OF PROPOSED KERBSIDE BARRIERS ON HOLD SUBJECT TO AGREEMENT ON TYPICAL CROSS SECTION FOR ROAD CORRIDOR.



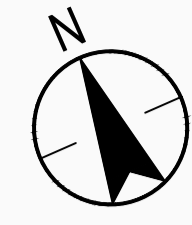
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**NOT FOR CONSTRUCTION**

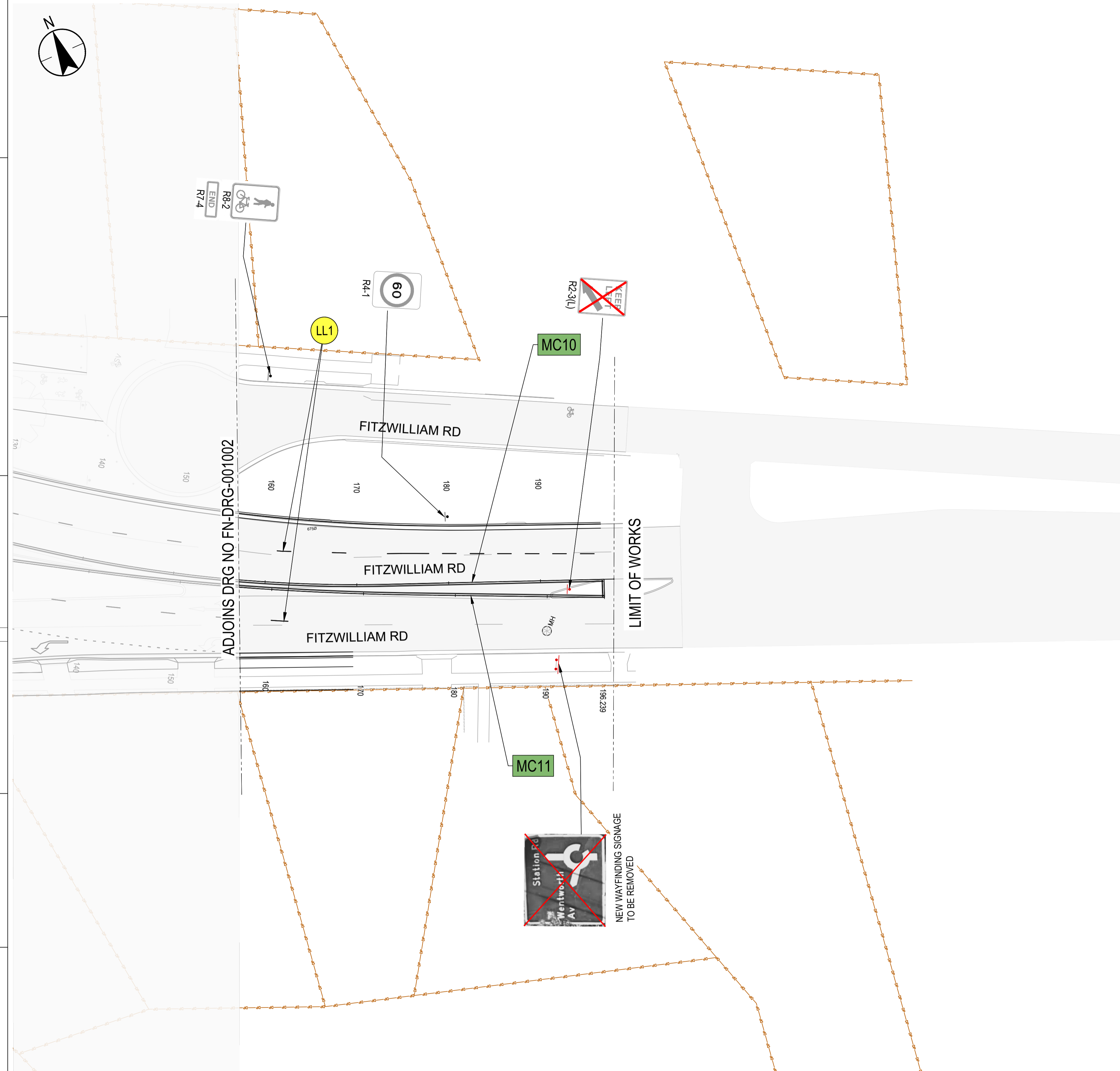
REFERENCES: -MPT-DE-M3D-??	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.			SCALE: 1:500	CLIENT:	<small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small>	CITY OF PARRAMATTA COUNCIL <b>TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</b>  ROAD FURNITURE, SIGNPOSTING AND PAVEMENT MARKING PLAN - SHEET 2																								
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FILE NAME: 305001822-STN-00-200-FN-DRG-001002.dwg  
PLOT DATE & TIME: 06/03/2026 4:19:45 PM



**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
- PROPOSED PROJECT BOUNDARY
- CONTROL ALIGNMENT
- EXISTING CADASTRAL BOUNDARY
- EXISTING FENCE
- EXISTING GATE
- C1 PAVEMENT MARKING TAG
- PROPOSED PAVEMENT MARKING ARROWS  
AR1, AR3(L), AR3(R), AR5-2(R)
- PROPOSED BICYCLE PAVEMENT MARKING PS-2
- PROPOSED SIGN POST LOCATION
- EXISTING SIGN POST
- EXISTING SIGN POST TO BE REMOVED / RELOCATED
- PROPOSED SIGN
- EXISTING SIGN TO BE RETAINED
- EXISTING SIGN TO BE RELOCATED
- EXISTING SIGN TO BE REMOVED

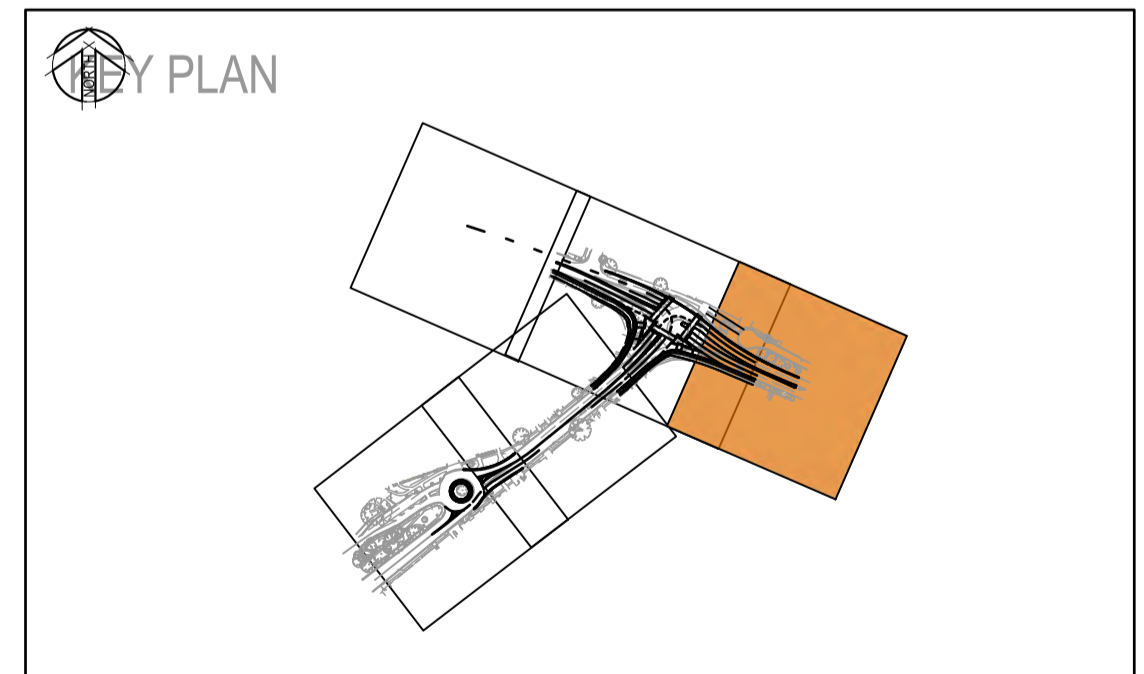


ADJOINS DRG NO FN-DRG-001002

LIMIT OF WORKS

**NOTES**

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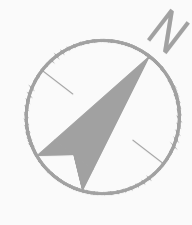
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<p>REFERENCES:</p> <p>-MPT-DE-M3D-??</p>	<p>THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.</p>	<p>SCALE: 1:500</p>	<p>CLIENT:</p>	<p><small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small></p>	<p>CITY OF PARRAMATTA COUNCIL</p> <p><b>TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</b></p>																																													
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FILE NAME: 305001822-STN-00-200-FN-DRG-001003.dwg  
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**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
- PROPOSED PROJECT BOUNDARY
- CONTROL ALIGNMENT
- DP --- DP --- DP --- EXISTING CADASTRAL BOUNDARY
- EXISTING FENCE
- EXISTING GATE
- C1 PAVEMENT MARKING TAG
- ↑ ↑ ↑ PROPOSED PAVEMENT MARKING ARROWS  
AR1, AR3(L), AR3(R), AR5-2(R)
- PROPOSED BICYCLE PAVEMENT MARKING PS-2
- PROPOSED SIGN POST LOCATION
- EXISTING SIGN POST
- EXISTING SIGN POST TO BE REMOVED / RELOCATED
- 60 PROPOSED SIGN
- 60 EXISTING SIGN TO BE RETAINED
- 60 EXISTING SIGN TO BE RELOCATED
- 60 EXISTING SIGN TO BE REMOVED

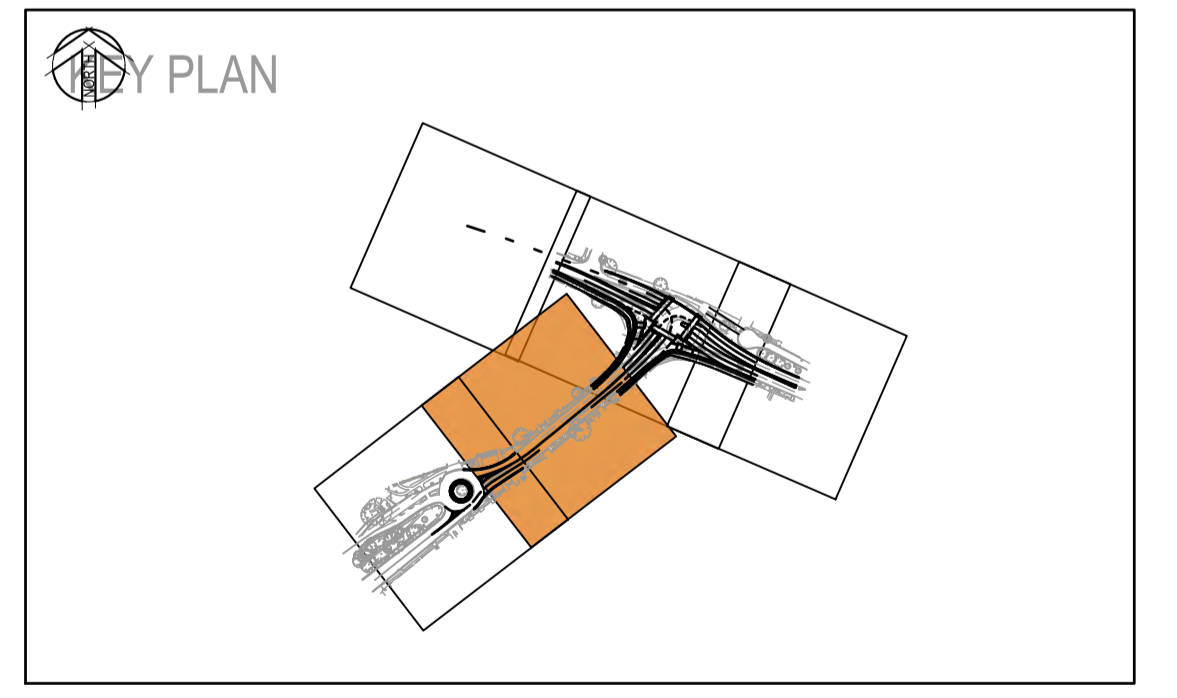
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ADJOINS DRG NO FN-DRG-001002

WENTWORTH AVE

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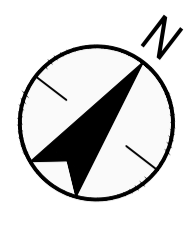
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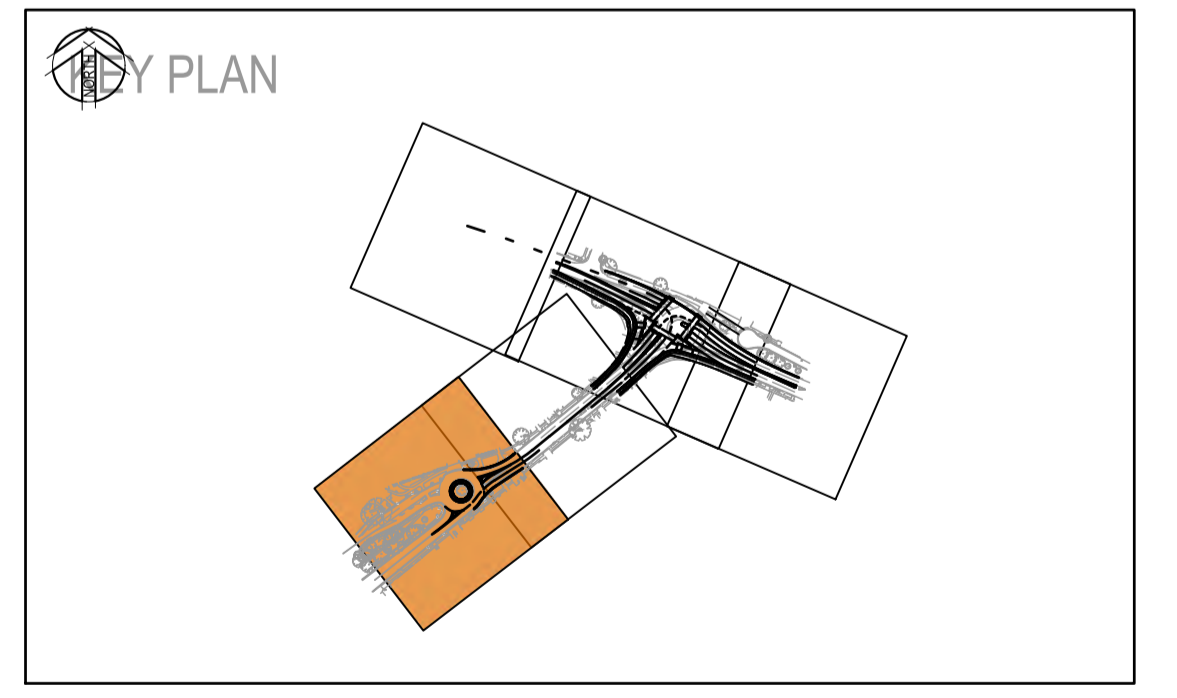
<p>REFERENCES:</p> <p>-MPT-DE-M3D-??</p>	<p>THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.</p>	<p>SCALE: 1:500</p>	<p>CLIENT:</p>	<p><small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small></p>	<p>CITY OF PARRAMATTA COUNCIL</p> <p><b>TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</b></p>																											
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LEGEND	
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	CONTROL ALIGNMENT
	EXISTING CADASTRAL BOUNDARY
	EXISTING FENCE
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	PAVEMENT MARKING TAG
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	EXISTING SIGN TO BE RETAINED
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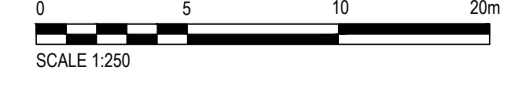


SIGN SCHEDULE

SHEET NUMBER	CONTROL LINE	CHAINAGE	CONTROL LINE (LOCATION)	SIGN REFERENCE CODE	SIGN DESCRIPTION	TRAVEL AND OFFSET DIRECTION	TREATMENT	PLATE WIDTH (mm)	PLATE HEIGHT (mm)	PLATE AREA (m2)	MIN MOUNTED H (m)	POST HEIGHT TO CENTRE OF PRESSURE (m)	POST SIZE (1 POST) (mm)	FRANGIBLE (1 POST)	POST SIZE (2 POST) (mm)	FRANGIBLE (2 POSTS)	NOTES
305001822-STN-00-200-FN-DRG-001001	MC10	5	STATION ROAD	W2-7	ROUNDBABOUT (symbolic)	WB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001001	MC10	5	STATION ROAD	R8-2	SHARED PATH	EB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001001	MC10	20	STATION ROAD	CUSTOM	THREE LOCAL ROAD SIGNS	EB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC10	24	STATION ROAD	R2-6	NO LEFT TURN / NO RIGHT TURN	EB, RHS	PROPOSED	450	900	0.405	2.5	2.95	60.3	FRANGIBLE	-	-	
305001822-STN-00-200-FN-DRG-001002	MC10	31	PIQUET PLACE	R1-2	GIVE WAY	SB, LHS	PROPOSED	0	750	0	2.5	3.275	60.3	FRANGIBLE	-	FRANGIBLE	MOUNTED WITH SIGN BELOW
305001822-STN-00-200-FN-DRG-001002	MC10	31	PIQUET PLACE	R2-6	NO LEFT TURN / NO RIGHT TURN	SB, LHS	PROPOSED	600	400	0.24	2.5	2.7	76.1	FRANGIBLE	-	FRANGIBLE	MOUNTED WITH SIGN ABOVE
305001822-STN-00-200-FN-DRG-001002	MC10	82	STATION ROAD	R1-3	Roundabout Give Way (Symbolic)	EB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC10	91	STATION ROAD	R1-3	Roundabout Give Way (Symbolic)	EB, RHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC10	102	STATION ROAD	D4-1-1	Sight board	EB, RHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC10	102	STATION ROAD	CUSTOM	FITZWILLIAM ROAD	EB, RHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC10	121	FITZWILLIAM ROAD	R7-2	AHEAD	EB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC10	121	FITZWILLIAM ROAD	W8-25	REFUGE ISLAND	EB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC10	138	FITZWILLIAM ROAD	R7-4	END	EB, LHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC10	138	FITZWILLIAM ROAD	R8-2	SHARED PATH	EB, LHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC10	138	FITZWILLIAM ROAD	R8-2	SHARED PATH	WB, RHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC10	140	FITZWILLIAM ROAD	W6-3	CHILDREN CROSSING (symbolic)	EB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC10	140	FITZWILLIAM ROAD	W8-25	REFUGE ISLAND	EB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001003	MC10	160	FITZWILLIAM ROAD	R8-2	SHARED PATH	EB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001003	MC10	160	FITZWILLIAM ROAD	R7-4	END	EB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001003	MC10	180	FITZWILLIAM ROAD	R4-1	SPEED LIMIT (symbolic)	EB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001003	MC10	194	FITZWILLIAM ROAD	R2-3	KEEP LEFT / KEEP RIGHT	EB, RHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC11	29	STATION ROAD	W6-3	CHILDREN CROSSING (symbolic)	WB, LHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC11	29	STATION ROAD	W8-25	REFUGE ISLAND	WB, LHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC11	80	STATION ROAD	CUSTOM	TWO LOCAL ROAD SIGNS	WB, LHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC11	98	STATION ROAD	D4-1-1	Sight board	NB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC11	98	STATION ROAD	CUSTOM	FITZWILLIAM ROAD	NB, RHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC11	119	STATION ROAD	R1-3	Roundabout Give Way (Symbolic)	WB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC11	122	STATION ROAD	R1-3	Roundabout Give Way (Symbolic)	WB, RHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC11	135	STATION ROAD	R5-400	NO STOPPING	WB, RHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC11	156	STATION ROAD	R5-400	NO STOPPING	WB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001003	MC11	191	STATION ROAD	CUSTOM	ROUNDBABOUT DIRECTIONAL SIGNAGE	WB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	1	WENTWORTH AVE	D4-1-1	Sight board	SB, RHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	1	WENTWORTH AVE	R1-3	Roundabout Give Way (Symbolic)	SB, RHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	10	WENTWORTH AVE	D4-1-1	Sight board	SB, RHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	14	WENTWORTH AVE	D4-1-1	Sight board	NB, LHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	14	WENTWORTH AVE	R1-3	Roundabout Give Way (Symbolic)	SB, LHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	14	WENTWORTH AVE	R5-400	NO STOPPING	SB, LHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	20	WENTWORTH AVE	R1-3	Roundabout Give Way (Symbolic)	SB, RHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	25	WENTWORTH AVE	R2-3	KEEP LEFT / KEEP RIGHT	SB, RHS	PROPOSED	600	400	0.24	1.5	1.7	76.1	FRANGIBLE	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	44	WENTWORTH AVE	W6-1	PEDESTRIAN (symbolic)	NB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	44	WENTWORTH AVE	W6-18	AGED	NB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	44	WENTWORTH AVE	W8-25	REFUGE ISLAND	NB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	48	WENTWORTH AVE	R5-400	NO STOPPING	SB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	48	WENTWORTH AVE	W3-4	SPEED HUMP AHEAD (symbolic)	SB, LHS	PROPOSED	600	400	0.24	2.5	2.7	76.1	FRANGIBLE	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	50	WENTWORTH AVE	CUSTOM	SIGN NOT FOUND	NB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	55	WENTWORTH AVE	R6-10-2	TRUCKS PROHIBITED (symbolic)	SB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC20	55	WENTWORTH AVE	CUSTOM	SIGN NOT FOUND	SB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001004	MC20	72	WENTWORTH AVE	R5-20	BUS ZONE (Examples Only)	SB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001004	MC20	72	WENTWORTH AVE	R5-400	NO STOPPING	SB, LHS	PROPOSED	600	400	0.24	2.5	2.7	76.1	FRANGIBLE	-	-	
305001822-STN-00-200-FN-DRG-001004	MC20	73	WENTWORTH AVE	CUSTOM	SIGN NOT FOUND	SB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001004	MC20	78	WENTWORTH AVE	R5-400	NO STOPPING	NB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001004	MC20	79	WENTWORTH AVE	W2-7	ROUNDBABOUT (symbolic)	SB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001004	MC20	85	WENTWORTH AVE	R5-20	BUS ZONE (Examples Only)	SB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001004	MC20	105	WENTWORTH AVE	R2-3	KEEP LEFT / KEEP RIGHT	NB, RHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001004	MC20	114	WENTWORTH AVE	R2-3	KEEP LEFT / KEEP RIGHT	SB, RHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001004	MC20	122	WENTWORTH AVE	R5-400	NO STOPPING	NB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001004	MC20	133	WENTWORTH AVE	R5-400	NO STOPPING	NB, LHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001004	MC20	133	WENTWORTH AVE	R5-20	BUS ZONE (Examples Only)	NB, LHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC20	149	WENTWORTH AVE	CUSTOM	SIGN NOT FOUND	NB, RHS	RELOCATE	-	-	-	-	-	-	-	-	-	

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A.0 ISSUED FOR 80% DETAILED DESIGN REV DESCRIPTION	SP / 06.03.26 GT / 06.03.26 DA / 06.03.26		PREPARED FOR: 	DRAWN _____ H.KARBALAEI SADEGH _____ 06.03.26 DESIGNED _____ D.POL _____ 06.03.26 DRG CHECK _____ K.CURLEY _____ 06.03.26 DESIGN CHECK _____ G.TASDEMIR _____ 06.03.26 PROJ/DES MNGR _____ D.ATKINSON _____ 06.03.26 APPROVED _____ D.ATKINSON _____ 06.03.26	ROAD FURNITURE, SIGNPOSTING AND PAVEMENT MARKING SIGN SCHEDULE - SHEET 1 DRAWING SET No: _____ PART: _____ SHEET: 01 OF 02 A1 STATUS: 80% DETAILED DESIGN BRIDGE No: _____ DRG No: 305001822-STN-00-200-FN-DRG-005001 REV A VER 0 EDMS No. _____ AMD No. _____
COORDINATE SYSTEM: GDA1994 MGA56 		HEIGHT DATUM: AHD	DESIGN LOT CODE: _____	STANTEC CIVIL	

FILE NAME: 305001822-STN-00-200-FN-DRG-005001.dwg PLOT DATE & TIME: 06/03/2026 4:20:26 PM





SIGN SCHEDULE

SHEET NUMBER	CONTROL LINE	CHAINAGE	CONTROL LINE (LOCATION)	SIGN REFERENCE CODE	SIGN DESCRIPTION	TRAVEL AND OFFSET DIRECTION	TREATMENT	PLATE WIDTH (mm)	PLATE HEIGHT (mm)	PLATE AREA (m2)	MIN MOUNTED H (m)	POST HEIGHT TO CENTRE OF PRESSURE (m)	POST SIZE (1 POST) (mm)	FRANGIBLE (1 POST)	POST SIZE (2 POST) (mm)	FRANGIBLE (2 POSTS)	NOTES
305001822-STN-00-200-FN-DRG-001001	MC10	5	STATION ROAD	W2-7	ROUNDBABOUT (symbolic)	WB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC20	150	WENTWORTH AVE	R5-20	BUS ZONE (Examples Only)	NB, LHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC20	157	WENTWORTH AVE	W6-1	PEDESTRIAN (symbolic)	SB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC20	157	WENTWORTH AVE	W8-18	AGED	SB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC20	157	WENTWORTH AVE	W8-25	REFUGE ISLAND	SB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC20	164	WENTWORTH AVE	G9-15	FORM 1 LANE	SB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC20	173	WENTWORTH AVE	R2-3	KEEP LEFT / KEEP RIGHT	NB, RHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC20	180	WENTWORTH AVE	R5-400	NO STOPPING	SB, LHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC20	180	WENTWORTH AVE	CUSTOM	SIGN NOT FOUND	SB, LHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001002	MC20	180	WENTWORTH AVE	R1-3	Roundabout Give Way (Symbolic)	NB, RHS	REMOVE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	22	WENTWORTH AVE	R1-3	Roundabout Give Way (Symbolic)	SB, RHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	30	WENTWORTH AVE	R1-3	Roundabout Give Way (Symbolic)	SB, RHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	27	WENTWORTH AVE	CUSTOM	WENTWORTH AVE	NB, RHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	28	WENTWORTH AVE	R2-6	NO LEFT TURN / NO RIGHT TURN	NB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	28	WENTWORTH AVE	R9-223	VEHICLES OVER 12.5m	NB, LHS	RETAIN	-	-	-	-	-	-	-	-	-	VEHICLES OVER 9M
305001822-STN-00-200-FN-DRG-001005	MC30	30	WENTWORTH AVE	R3-1	PEDESTRIAN CROSSING (symbolic)	SB, LHS	PROPOSED	600	0	0	2.5	2.9	60.3	FRANGIBLE	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	30	WENTWORTH AVE	W8-2	xx km/h	SB, LHS	PROPOSED	600	400	0.24	2.5	2.7	60.3	FRANGIBLE	-	-	25km/h ADVISORY SPEED
305001822-STN-00-200-FN-DRG-001005	MC30	38	WENTWORTH AVE	R3-1	PEDESTRIAN CROSSING (symbolic)	NB, RHS	PROPOSED	600	0	0	2.5	2.9	60.3	FRANGIBLE	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	38	WENTWORTH AVE	W8-2	xx km/h	NB, RHS	PROPOSED	600	400	0.24	2.5	2.7	60.3	FRANGIBLE	-	-	25km/h ADVISORY SPEED
305001822-STN-00-200-FN-DRG-001005	MC30	31	WENTWORTH AVE	R4-1	SPEED LIMIT (symbolic)	SB, LHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	31	WENTWORTH AVE	CUSTOM	BLACKSPOT SIGNAGE	NB, RHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	31	WENTWORTH AVE	R4-1	SPEED LIMIT (symbolic)	NB, RHS	RELOCATE	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	31	WENTWORTH AVE	R2-3	KEEP LEFT / KEEP RIGHT	NB, RHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	32	WENTWORTH AVE	R5-400	NO STOPPING	NB, RHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	32	WENTWORTH AVE	R5-23	LOADING ZONE (Examples Only)	NB, RHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	38	WENTWORTH AVE	R3-1	PEDESTRIAN CROSSING (symbolic)	SB, LHS	PROPOSED	600	0	0	2.5	2.9	60.3	FRANGIBLE	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	38	WENTWORTH AVE	W8-2	xx km/h	SB, LHS	PROPOSED	600	400	0.24	2.5	2.7	60.3	FRANGIBLE	-	-	25km/h ADVISORY SPEED
305001822-STN-00-200-FN-DRG-001005	MC30	38	WENTWORTH AVE	R3-1	PEDESTRIAN CROSSING (symbolic)	NB, RHS	PROPOSED	600	0	0	2.5	2.9	60.3	FRANGIBLE	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	38	WENTWORTH AVE	W8-2	xx km/h	NB, RHS	PROPOSED	600	400	0.24	2.5	2.7	60.3	FRANGIBLE	-	-	25km/h ADVISORY SPEED
305001822-STN-00-200-FN-DRG-001005	MC30	39	WENTWORTH AVE	R5-400	NO STOPPING	NB, RHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	39	WENTWORTH AVE	R5-23	LOADING ZONE (Examples Only)	NB, RHS	RETAIN	-	-	-	-	-	-	-	-	-	
305001822-STN-00-200-FN-DRG-001005	MC30	-	WENTWORTH AVE	R5-400	NO STOPPING	NB, RHS	RETAIN	-	-	-	-	-	-	-	-	-	

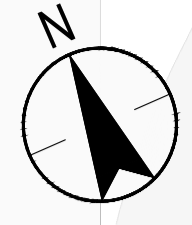
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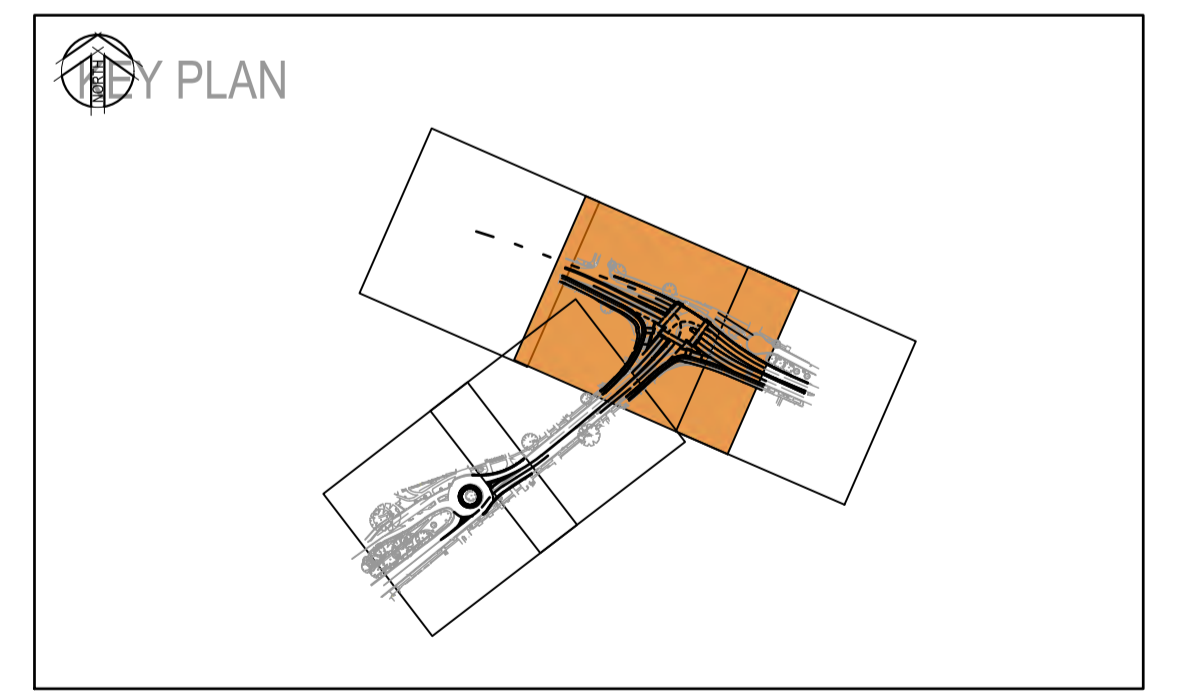
<p>REFERENCES:</p> <p>-MPT-DE-M3D-??</p>	<p>THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.</p>	<p>SCALE: 1:502</p> 	<p>CLIENT:</p> 	<p><small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small></p>	<p>CITY OF PARRAMAMTTA COUNCIL</p> <p>TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</p>
<p>A.0 ISSUED FOR 80% DETAILED DESIGN</p> <p>REV DESCRIPTION</p>	<p>SP / 06.03.27</p> <p>GT / 06.03.27</p> <p>DA / 06.03.27</p>	<p>SCALE 1:250</p>	<p>PREPARED FOR:</p> 	<p>DRAWN H.KARBALAEI SADEGH 06.03.26</p> <p>DESIGNED D.POL 06.03.26</p> <p>DRG CHECK K.CURLEY 06.03.26</p> <p>DESIGN CHECK G.TASDEMIR 06.03.26</p> <p>PROJ/DES MNGR D.ATKINSON 06.03.26</p> <p>APPROVED D.ATKINSON 06.03.26</p>	<p>ROAD FURNITURE, SIGNPOSTING AND PAVEMENT MARKING</p> <p>SIGN SCHEDULE - SHEET 2</p> <p>DRAWING SET No: PART: SHEET: 02 OF 02 A1</p> <p>STATUS: 80% DETAILED DESIGN BRIDGE No: (C)</p> <p>DRG No: 305001822-STN-00-200-FN-DRG-005002 REV A VER 0 EDMS No. AMD No.</p>
<p>COORDINATE SYSTEM: GDA1994 MGA56</p> 		<p>HEIGHT DATUM: AHD</p>	<p>DESIGN LOT CODE:</p>	<p>STANTEC CIVIL</p>	

FILE NAME: 305001822-STN-00-200-FN-DRG-005002.dwg  
PLOT DATE & TIME: 06/03/2026 4:19:29 PM



LEGEND	
	CONTROL ALIGNMENT LABEL
	CONTROL ALIGNMENT
	PROPOSED PROJECT BOUNDARY
	PROPOSED CLEARING BOUNDARY
	PROPOSED DESIGN
	PROPOSED RETAINING WALL
	EXISTING CADASTRAL BOUNDARY
	EXISTING SURVEY
	EXISTING LIGHTING POLE
	EXISTING LIGHTING POLE TO BE RELOCATED.
	PROPOSED NEW LIGHTING POLE
	LIGHT POLE NUMBER
	3.75 LUX CONTOUR
	5.0 LUX CONTOUR
	7.5 LUX CONTOUR
	10 LUX CONTOUR

- NOTES**
- FOR GENERAL NOTES REFER TO DRAWING GN-DRG-500021.
  - FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-500011 & RW-DRG-500012.
  - THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



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REFERENCES:	
-MPT-DE-M3D-??	

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A.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
COORDINATE SYSTEM: GDA1994 MGA56		HEIGHT DATUM: AHD		

SCALE: 1:500
DESIGN LOT CODE:

CLIENT:

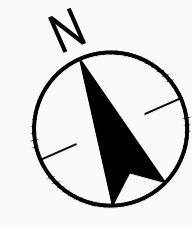
PREPARED FOR:

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DRAWN	H. KARBALAEI SADEGH	06.03.26
DESIGNED	D. POL	06.03.26
DRG CHECK	K. CURLEY	06.03.26
DESIGN CHECK	G. TASDEMIR	06.03.26
PROJ/DES MNGR	D. ATKINSON	06.03.26
APPROVED	D. ATKINSON	06.03.26

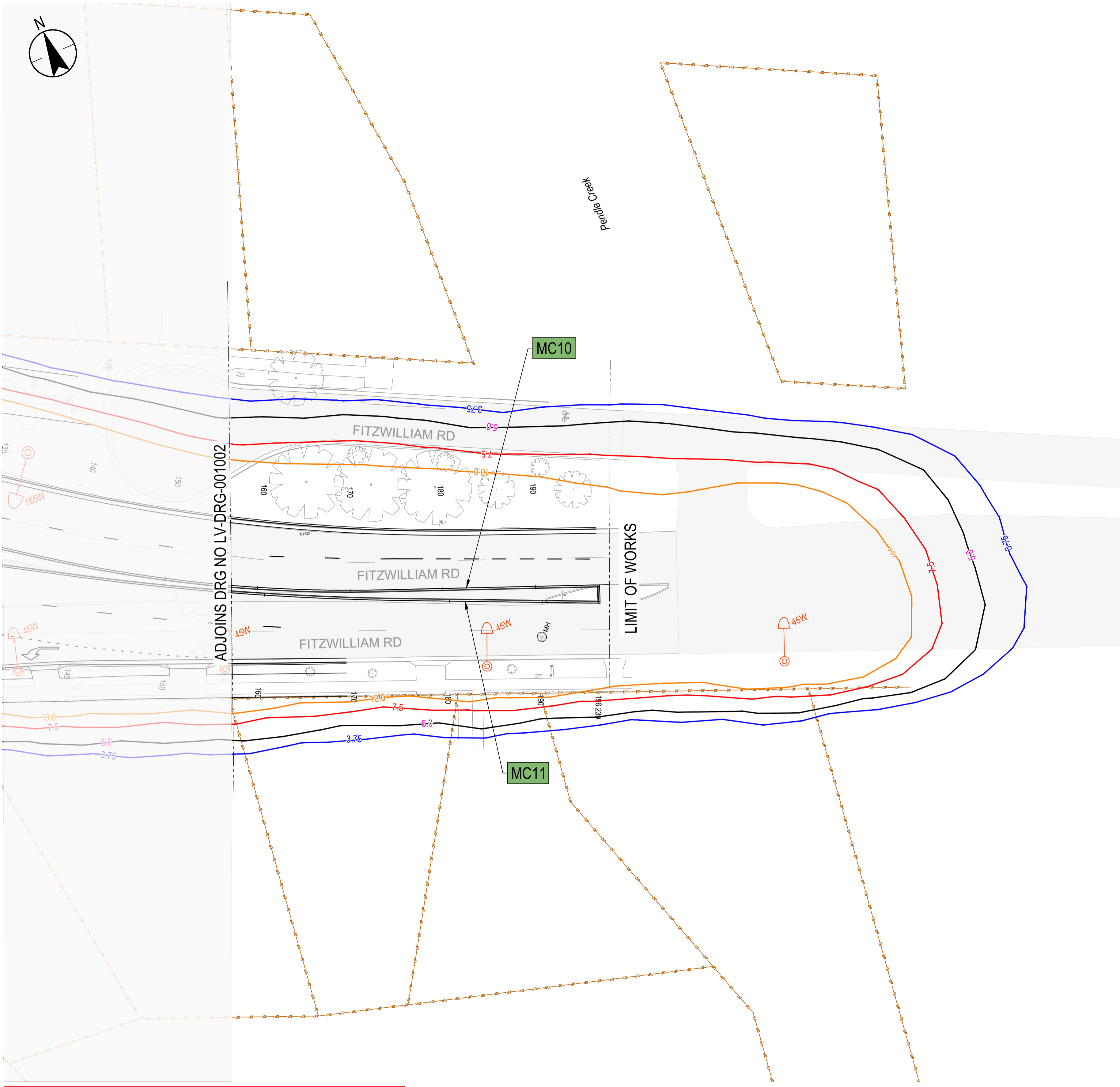
CITY OF PARRAMATTA COUNCIL			
TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT			
DESIGN AND DOCUMENTATION			
LIGHTING		PLAN - SHEET 2	
DRAWING SET No:	PART:	SHEET: 02 OF 05	A1
STATUS: 80% DETAILED DESIGN		BRIDGE No:	
DRG No:	REV	VER	EDMS No.
305001822-STN-00-200-LV-DRG-001002	A	0	

FILE NAME: 305001822-STN-00-200-LV-DRG-001002.dwg  
PLOT DATE & TIME: 06/03/2026 4:20:57 PM



**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED PROJECT BOUNDARY
- PROPOSED CLEARING BOUNDARY
- PROPOSED DESIGN
- PROPOSED RETAINING WALL
- EXISTING CADASTRAL BOUNDARY
- EXISTING SURVEY
  
- EXISTING LIGHTING POLE
- EXISTING LIGHTING POLE TO BE RELOCATED.
- PROPOSED NEW LIGHTING POLE
- LIGHT POLE NUMBER
  
- 3.75 LUX CONTOUR
- 5.0 LUX CONTOUR
- 7.5 LUX CONTOUR
- 10 LUX CONTOUR

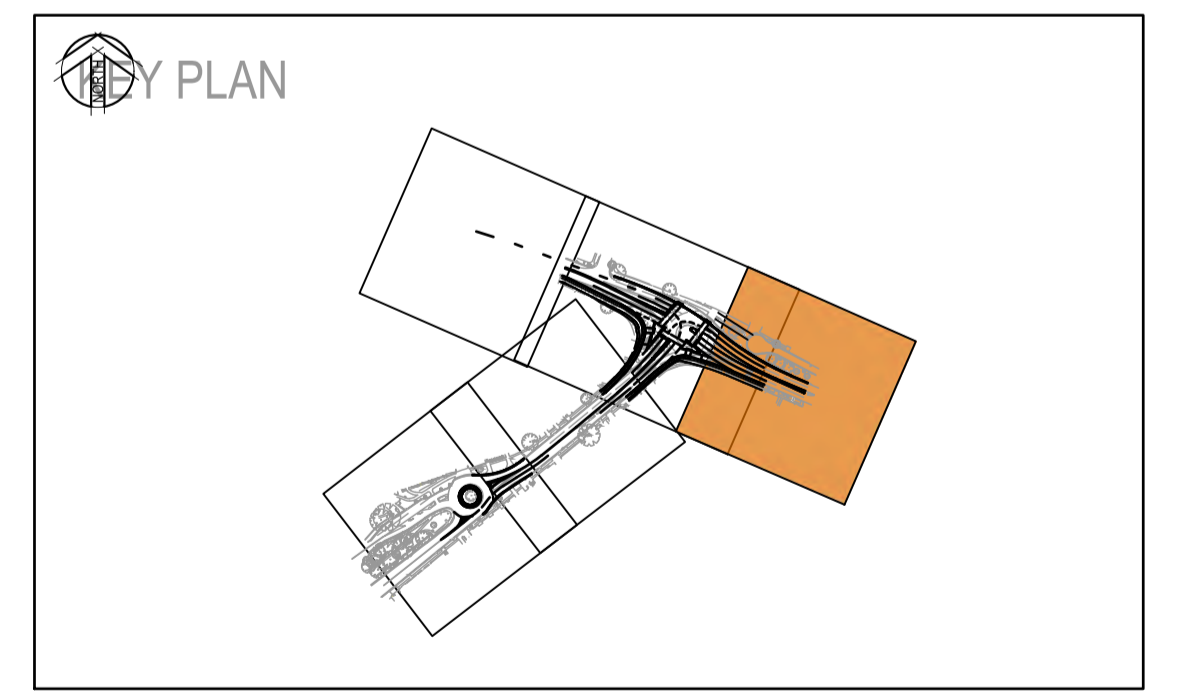


ADJOINS DRG NO LV-DRG-001002

LIMIT OF WORKS

**NOTES**

1. FOR GENERAL NOTES REFER TO DRAWING GN-DRG-500021.
2. FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-500011 & RW-DRG-500012.
3. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



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REFERENCES:

-MPT-DE-M3D-??
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REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
A.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26

COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: 1:500

SCALE 1:250

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

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DRAWN	H. KARBALAEI SADEGH	06.03.26
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DRG CHECK	K. CURLEY	06.03.26
DESIGN CHECK	G. TASDEMIR	06.03.26
PROJ/DES MNGR	D. ATKINSON	06.03.26
APPROVED	D. ATKINSON	06.03.26

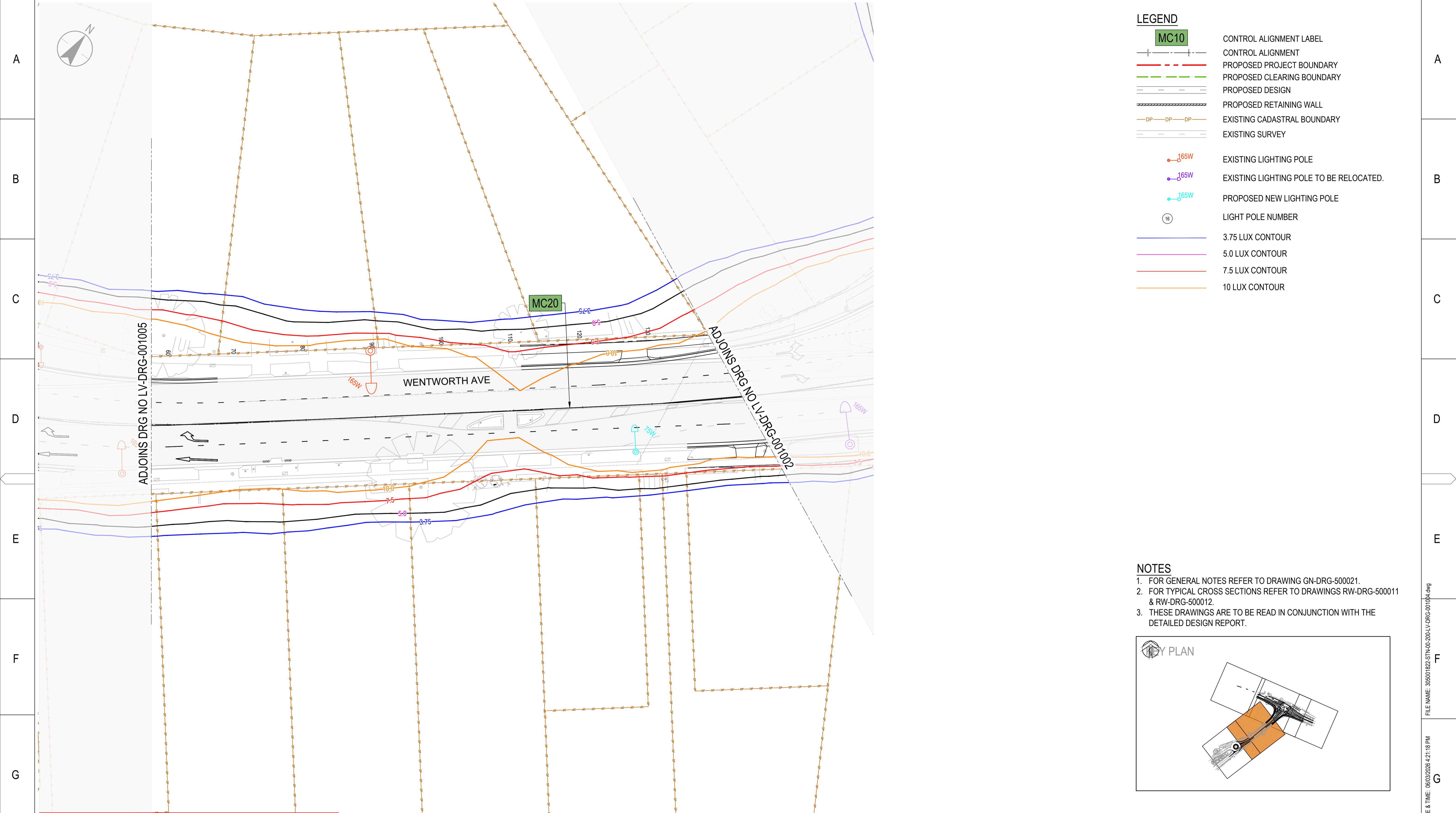
STANTEC CIVIL

CITY OF PARRAMATTA COUNCIL  
TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
DESIGN AND DOCUMENTATION

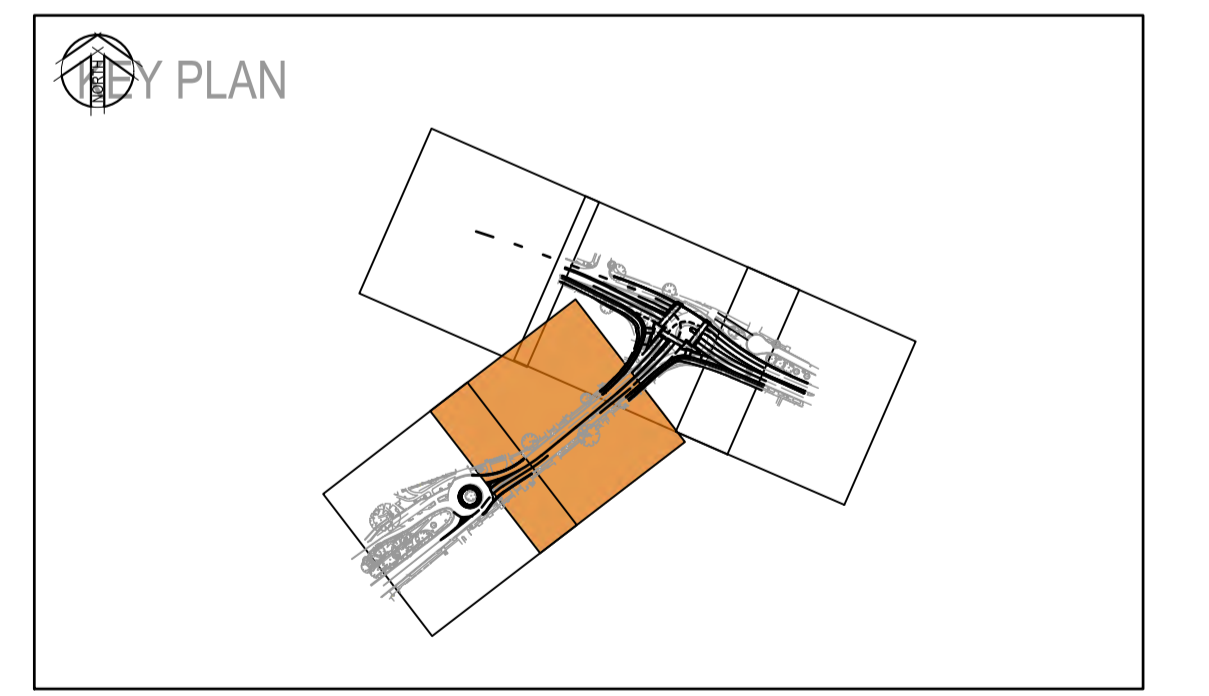
LIGHTING  
PLAN - SHEET 3

DRAWING SET No:	PART:	SHEET: 03 OF 05	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:	©	
DRG No: 305001822-STN-00-200-LV-DRG-001003	REV A	VER 0	EDMS No. AMD No.

FILE NAME: 305001822-STN-00-200-LV-DRG-001003.dwg  
PLOT DATE & TIME: 06/03/2026 4:21:07 PM



- NOTES**
- FOR GENERAL NOTES REFER TO DRAWING GN-DRG-500021.
  - FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-500011 & RW-DRG-500012.
  - THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



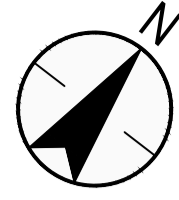
DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

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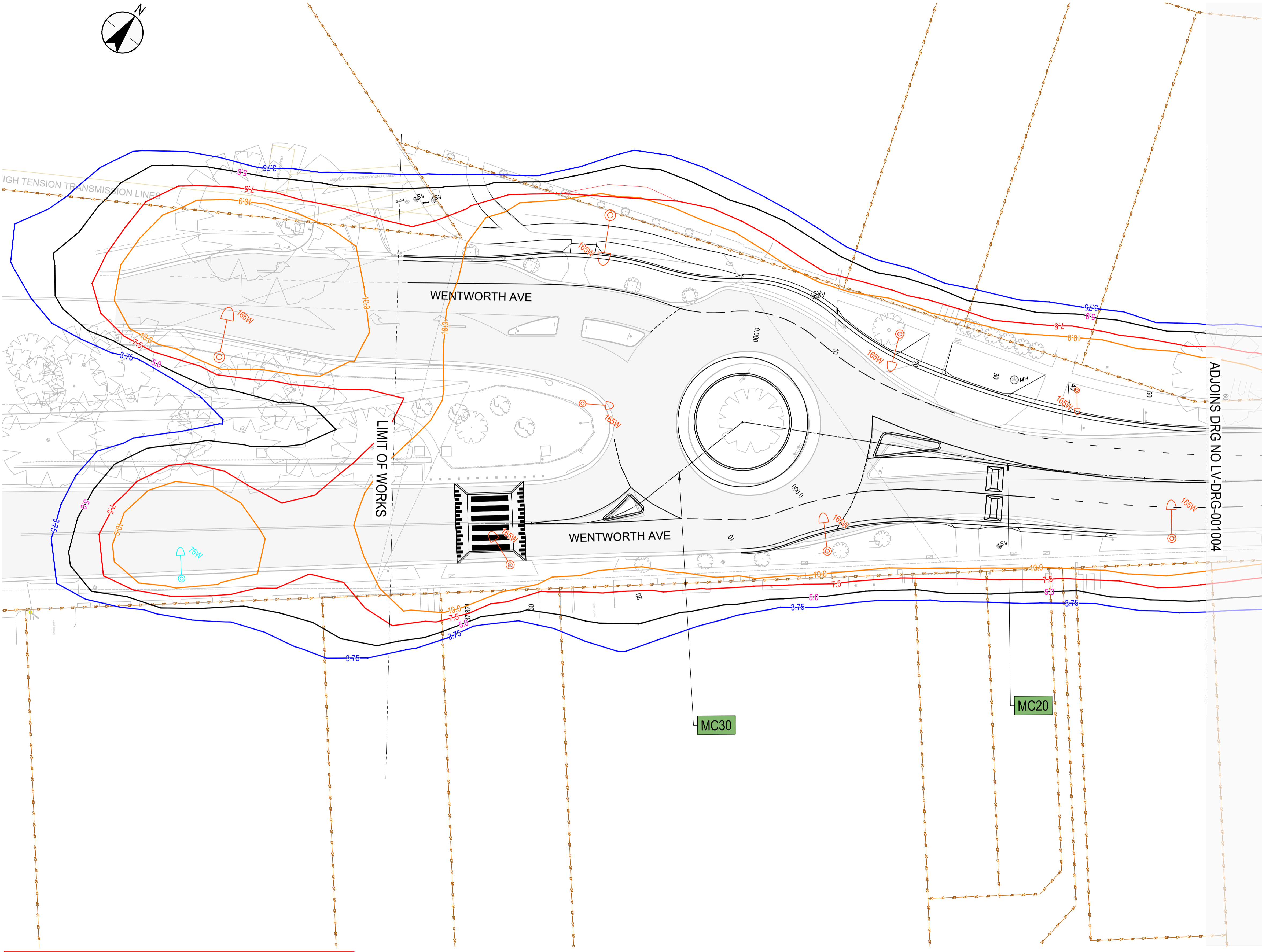
REFERENCES: -MPT-DE-M3D-??	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.				SCALE: 1:500	CLIENT: 	This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.	CITY OF PARRAMATTA COUNCIL TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION												
	<table border="1"> <tr> <td>A.0</td> <td>ISSUED FOR 80% DETAILED DESIGN</td> <td>SP / 06.03.26</td> <td>GT / 06.03.26</td> <td>DA / 06.03.26</td> </tr> <tr> <td>REV</td> <td>DESCRIPTION</td> <td>DESIGNER INITIAL/DATE</td> <td>VERIFIED INITIAL/DATE</td> <td>APPROVED INITIAL/DATE</td> </tr> </table>				A.0	ISSUED FOR 80% DETAILED DESIGN			SP / 06.03.26	GT / 06.03.26	DA / 06.03.26	REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE	 SCALE 1:250	PREPARED FOR: 	DRAWN _____ H.KARBALAEI SADEGH _____ 06.03.26 DESIGNED _____ D.POL _____ 06.03.26 DRG CHECK _____ K.CURLEY _____ 06.03.26 DESIGN CHECK _____ G.TASDEMIR _____ 06.03.26 PROJ/DES MNGR _____ D.ATKINSON _____ 06.03.26 APPROVED _____ D.ATKINSON _____ 06.03.26	LIGHTING PLAN - SHEET 4 DRAWING SET No: _____ PART: _____ SHEET: 04 OF 05 A1 STATUS: 80% DETAILED DESIGN BRIDGE No: _____ DRG No: 305001822-STN-00-200-LV-DRG-001004 REV A VER 0 EDMS No. _____ AMD No. _____
	A.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26															
	REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE															
COORDINATE SYSTEM: GDA1994 MGA56				HEIGHT DATUM: AHD	DESIGN LOT CODE:															
REFERENCES: THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED. SCALE: 1:500 CLIENT: CITY OF PARRAMATTA																				

FILE NAME: 305001822-STN-00-200-LV-DRG-001004.dwg  
PLOT DATE & TIME: 06/03/2026 4:21:18 PM



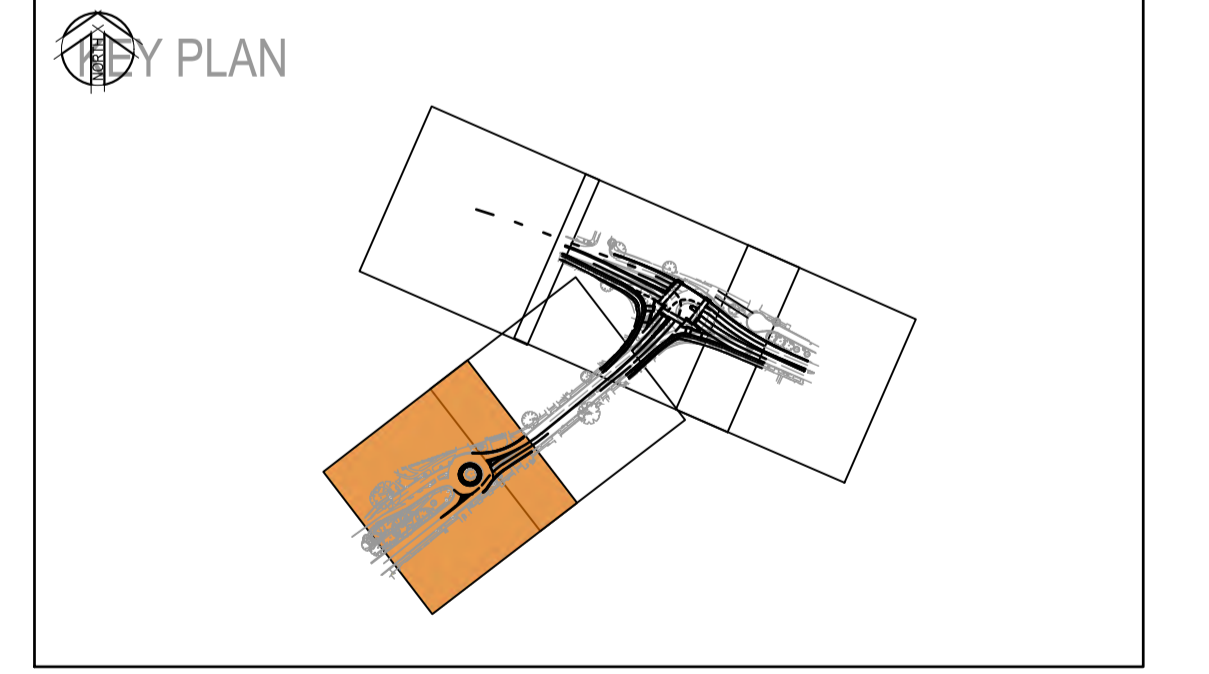
**LEGEND**

- MC10 CONTROL ALIGNMENT LABEL
- CONTROL ALIGNMENT
- PROPOSED PROJECT BOUNDARY
- PROPOSED CLEARING BOUNDARY
- PROPOSED DESIGN
- PROPOSED RETAINING WALL
- EXISTING CADASTRAL BOUNDARY
- EXISTING SURVEY
- 165W EXISTING LIGHTING POLE
- 165W EXISTING LIGHTING POLE TO BE RELOCATED.
- 165W PROPOSED NEW LIGHTING POLE
- Ⓟ LIGHT POLE NUMBER
- 3.75 LUX CONTOUR
- 5.0 LUX CONTOUR
- 7.5 LUX CONTOUR
- 10 LUX CONTOUR



**NOTES**

1. FOR GENERAL NOTES REFER TO DRAWING GN-DRG-500021.
2. FOR TYPICAL CROSS SECTIONS REFER TO DRAWINGS RW-DRG-500011 & RW-DRG-500012.
3. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE DETAILED DESIGN REPORT.



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REFERENCES:

-MPT-DE-M3D-??

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REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
A.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26

COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: 1:500

SCALE 1:250 @A1

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

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**Stantec**

STANTEC CIVIL

DRAWN	H. KARBALAEI SADEGH	06.03.26
DESIGNED	D. POL	06.03.26
DRG CHECK	K. CURLEY	06.03.26
DESIGN CHECK	G. TASDEMIR	06.03.26
PROJ/DES MNGR	D. ATKINSON	06.03.26
APPROVED	D. ATKINSON	06.03.26

CITY OF PARRAMATTA COUNCIL  
TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
DESIGN AND DOCUMENTATION

LIGHTING  
PLAN - SHEET 5

DRAWING SET No:	PART:	SHEET: 05 OF 05	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:	©	
DRG No: 305001822-STN-00-200-LV-DRG-001005	REV A	VER 0	EDMS No. AMD No.

FILE NAME: 305001822-STN-00-200-LV-DRG-001005.dwg  
PLOT DATE & TIME: 06/03/2026 4:21:28 PM

A  
B  
C  
D  
E  
F  
G  
H

A  
B  
C  
D  
E  
F  
G  
H

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Description
	1	200603PH-E-275	Single	N.A.	0.800	RoadLED Midi 165W 4K Std Visor Existing 2.75m OR
	2	200603PH-E-36	Single	N.A.	0.800	RoadLED Midi 165W 4K Std Visor Existing 3.6m OR
	8	200603PH-E-45	Single	N.A.	0.800	RoadLED Midi 165W 4K Std Visor Existing 4.5m OR
	6	200603PH-E-6	Single	N.A.	0.800	RoadLED Midi 165W 4K Std Visor Existing 6m OR
	1	200611PH-275	Single	N.A.	0.800	RoadLED Midi 70W 4K Std Visor Existing 2.75m OR
	1	200611PH-36	Single	N.A.	0.800	RoadLED Midi 70W 4K Std Visor Existing 3.6m OR
	1	200603PH-R-45	Single	N.A.	0.800	RoadLED Midi 165W 4K Std Visor RELOCATED 4.5m OR
	3	200603PH-R-6	Single	N.A.	0.800	RoadLED Midi 165W 4K Std Visor RELOCATED 6m OR

Luminaire Location Summary						
Lum No	Label	X	Y	Z	Orient	Tilt
1	200603PH-E-6	310553.2	6259935.	11.12	252.99	5
2	200603PH-E-36	310589.2	6259921.	11.3	245.958	5
3	200603PH-R-6	310549.2	6259908.	10	58	5
4	200603PH-R-45	310612.0	6259907.	11.3	228	5
5	200603PH-E-6	310626.1	6259895.	11	230.681	5
6	200603PH-R-6	310555.4	6259893.	11	315	5
7	200603PH-R-6	310565.5	6259866.	10	134.869	5
8	200603PH-E-6	310586.9	6259877.	9.3	105	5
9	200603PH-E-45	310615.7	6259874.	11.5	73	5
10	200603PH-E-45	310636.2	6259865.	10.4	67.92	5
11	200603PH-E-45	310662.2	6259854.	10.8	66.52	5
12	200611PH-275	310541.6	6259846.	8.5	130.384	5
13	200603PH-E-45	310691.9	6259842.	11.89	67.377	5
14	200603PH-E-6	310502.3	6259834.	9.5	309.144	5
15	200603PH-E-275	310464.3	6259806.	10.6	307.934	5
16	200603PH-E-45	310484.6	6259799.	10.5	128.385	5
17	200603PH-E-45	310442.7	6259798.	11	292.892	5
18	200603PH-E-6	310405.5	6259788.	10.1	298.8	5
19	200603PH-E-45	310451.9	6259771.	10.23	134.412	5
20	200603PH-E-36	310416.9	6259768.	9.74	33.145	5
21	200603PH-E-45	310421.9	6259746.	9.43	158.86	5
22	200603PH-E-6	310377.9	6259745.	9.43	115.763	5
23	200611PH-36	310390.8	6259720.	9	129.997	5

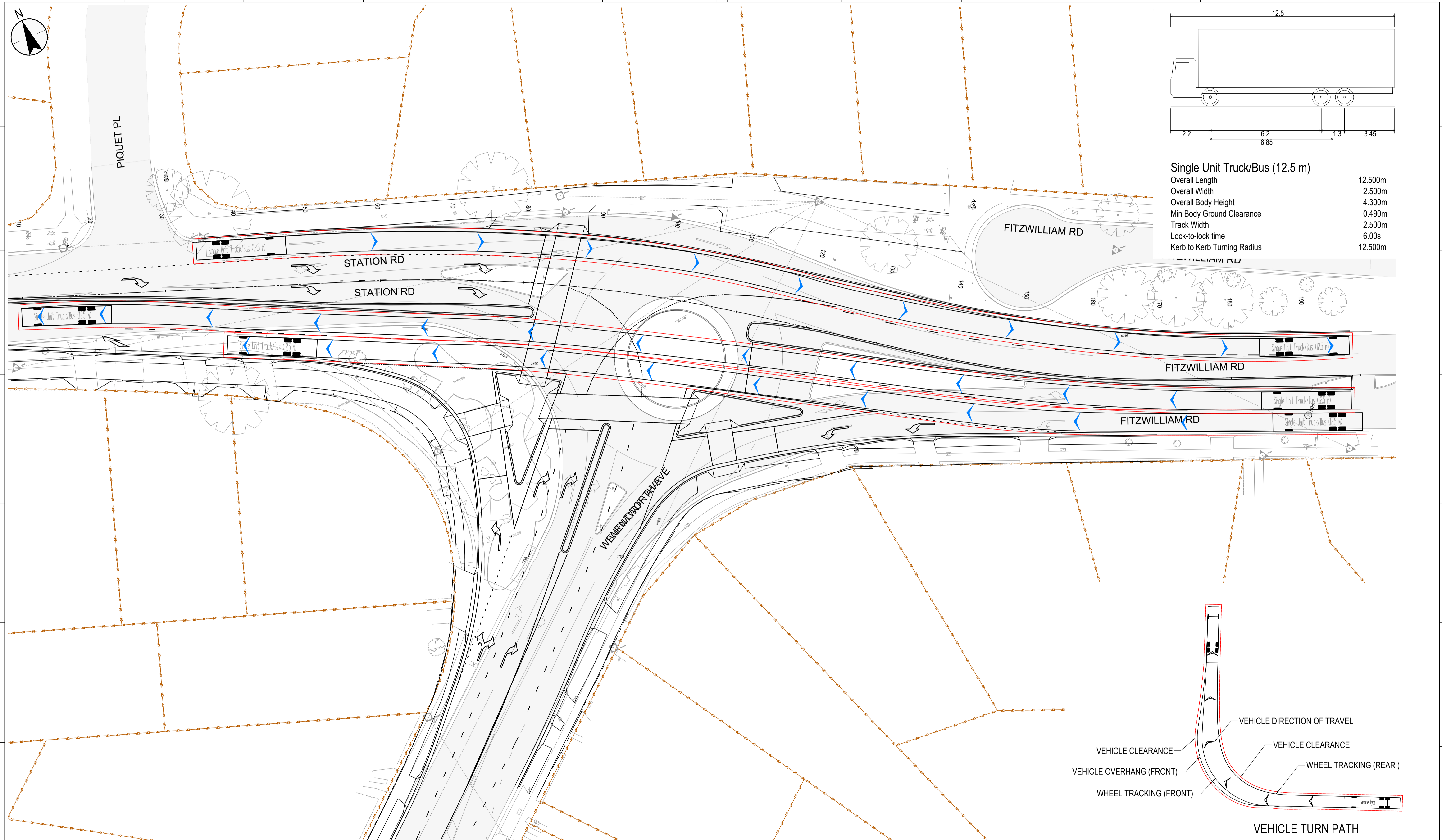
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REFERENCES: -MPT-DE-M3D-??	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.	SCALE: 1:501 	CLIENT: 	This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.	CITY OF PARRAMATTA COUNCIL TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION
A.0 ISSUED FOR 80% DETAILED DESIGN REV DESCRIPTION COORDINATE SYSTEM: GDA1994 MGA56	SP / 06.03.26 GT / 06.03.26 DA / 06.03.26 DESIGNER INITIAL/DATE VERIFIED INITIAL/DATE APPROVED INITIAL/DATE HEIGHT DATUM: AHD	DESIGN LOT CODE:	PREPARED FOR: 	DRAWN _____ H.KARBALAEI SADEGH _____ 06.03.26 DESIGNED _____ D.POL _____ 06.03.26 DRG CHECK _____ K.CURLEY _____ 06.03.26 DESIGN CHECK _____ G.TASDEMIR _____ 06.03.26 PROJ/DES MNGR _____ D.ATKINSON _____ 06.03.26 APPROVED _____ D.ATKINSON _____ 06.03.26	LIGHTING LUMINAIRE SCHEDULE DRAWING SET No: _____ PART: SHEET: 01 OF 01 A1 STATUS: 80% DETAILED DESIGN BRIDGE No: _____ DRG No: 305001822-STN-00-200-LV-DRG-005001 REV A VER 0 EDMS No. AMD No.

FILE NAME: 305001822-STN-00-200-LV-DRG-005001.dwg  
PLOT DATE & TIME: 06/03/2026 4:20:35 PM



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REFERENCES:

-MPT-DE-M3D-??

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REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26
A.1	RE ISSUED FOR 50% DETAILED DESIGN	DP / 13.08.25	GT / 13.08.25	DA / 13.08.25
A.0	ISSUED FOR 50% DETAILED DESIGN	DP / 29.07.25	GT / 29.07.25	DA / 29.07.25

COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: 1:500

SCALE 1:250 @A1

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

STANTEC CIVIL

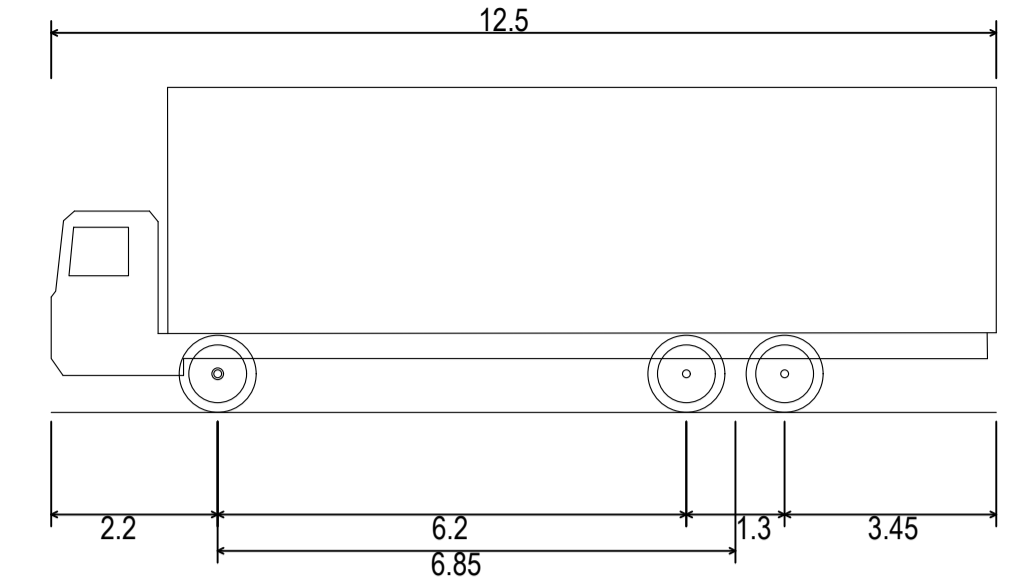
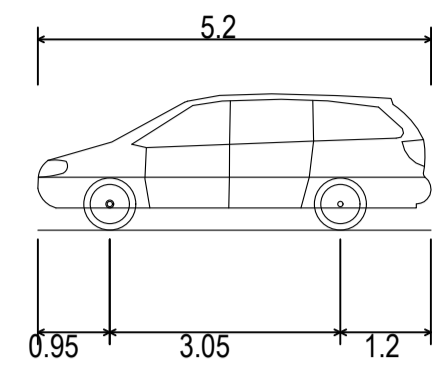
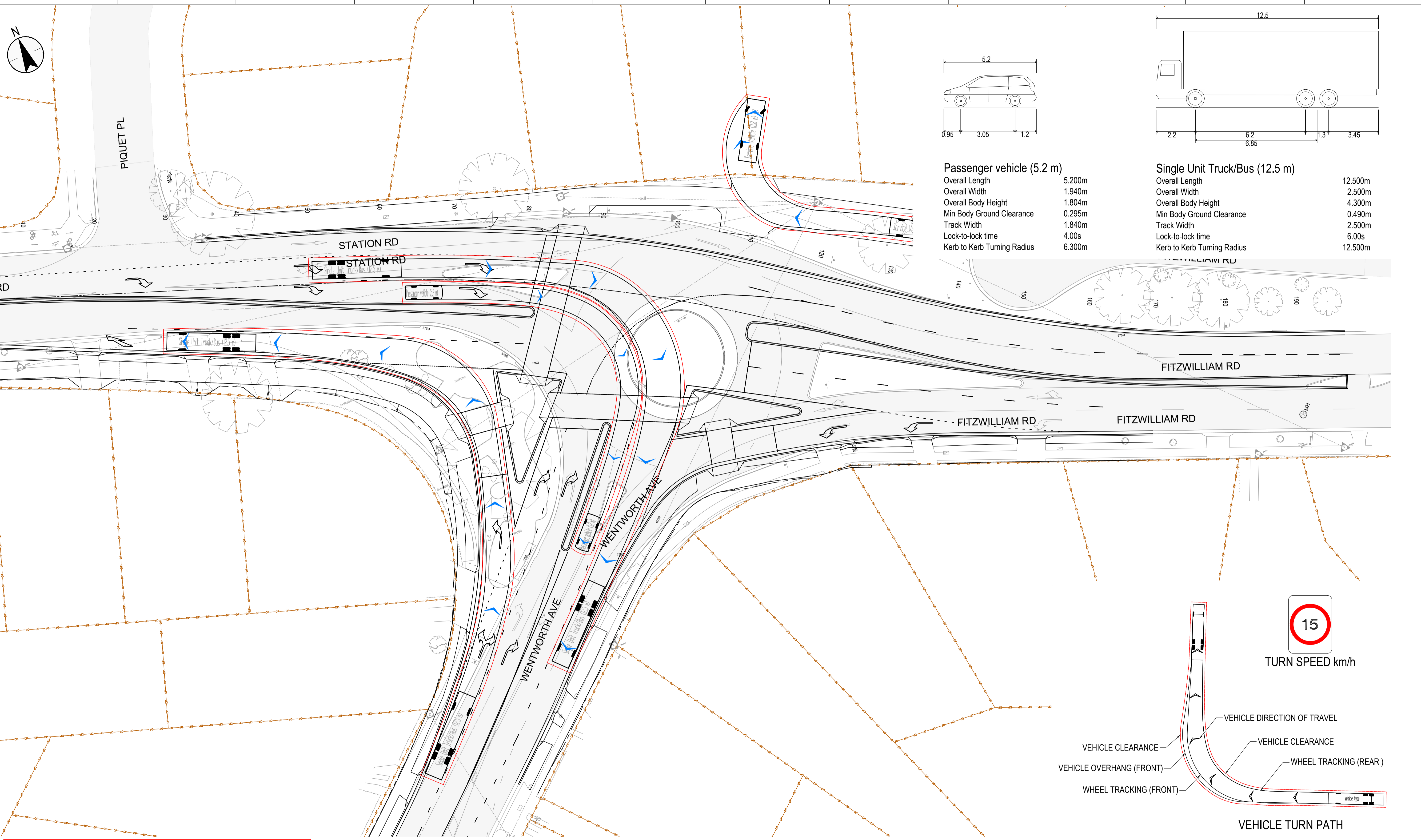
DRAWN \_\_\_\_\_ H.KARBALAEI SADEGH \_\_\_\_\_ 06.03.26  
 DESIGNED \_\_\_\_\_ D.POL \_\_\_\_\_ 06.03.26  
 DRG CHECK \_\_\_\_\_ K.CURLEY \_\_\_\_\_ 06.03.26  
 DESIGN CHECK \_\_\_\_\_ G.TASDEMIR \_\_\_\_\_ 06.03.26  
 PROJ/DES MNGR \_\_\_\_\_ D.ATKINSON \_\_\_\_\_ 06.03.26  
 APPROVED \_\_\_\_\_ D.ATKINSON \_\_\_\_\_ 06.03.26

CITY OF PARRAMATTA COUNCIL  
**TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
 DESIGN AND DOCUMENTATION**

MISCELLANEOUS  
 TURN PATH PLAN DESIGN VEHICLE - SHEET 1

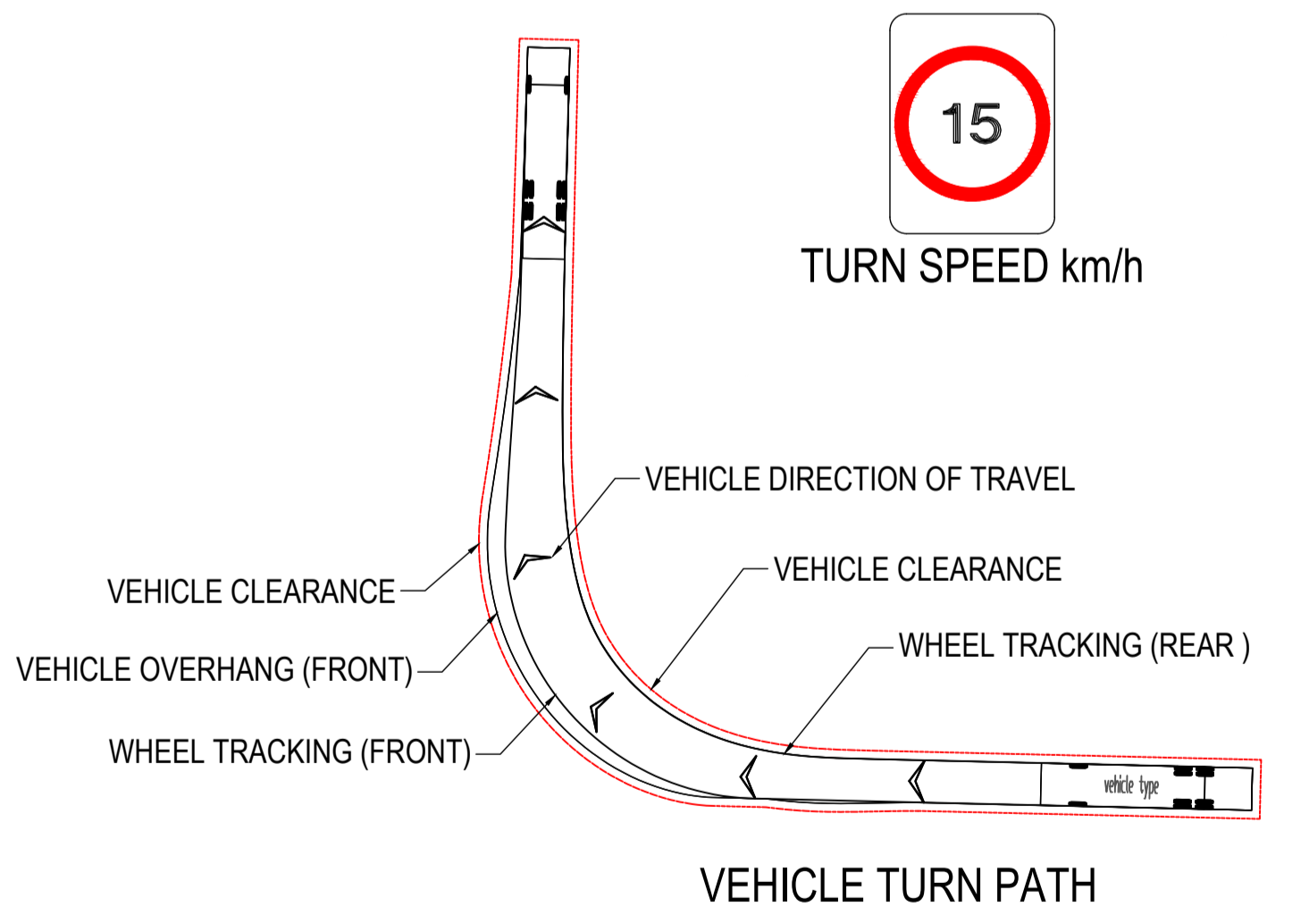
DRAWING SET No: \_\_\_\_\_ PART: SHEET: 01 OF 06 A1  
 STATUS: 80% DETAILED DESIGN BRIDGE No: \_\_\_\_\_  
 DRG No: 305001822-STN-00-200-MS-DRG-000101 REV B VER 0 EDMS No. \_\_\_\_\_ AMD No. \_\_\_\_\_

FILE NAME: 305001822-STN-00-200-MS-DRG-000101.dwg  
 PLOT DATE & TIME: 06/03/2026 4:21:44 PM



**Passenger vehicle (5.2 m)**  
 Overall Length 5.200m  
 Overall Width 1.940m  
 Overall Body Height 1.804m  
 Min Body Ground Clearance 0.295m  
 Track Width 1.840m  
 Lock-to-lock time 4.00s  
 Kerb to Kerb Turning Radius 6.300m

**Single Unit Truck/Bus (12.5 m)**  
 Overall Length 12.500m  
 Overall Width 2.500m  
 Overall Body Height 4.300m  
 Min Body Ground Clearance 0.490m  
 Track Width 2.500m  
 Lock-to-lock time 6.00s  
 Kerb to Kerb Turning Radius 12.500m



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REFERENCES:  
-MPT-DE-M3D-??

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REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE
B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26
A.1	RE ISSUED FOR 50% DETAILED DESIGN	DP / 13.08.25	GT / 13.08.25	DA / 13.08.25
A.0	ISSUED FOR 50% DETAILED DESIGN	DP / 29.07.25	GT / 29.07.25	DA / 29.07.25

COORDINATE SYSTEM: GDA1994 MGA56 HEIGHT DATUM: AHD

SCALE: 1:500

SCALE 1:250 @A1

DESIGN LOT CODE:

CLIENT:

PREPARED FOR:

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DRAWN	H.KARBALAEI SADEGH	06.03.26
DESIGNED	D.POL	06.03.26
DRG CHECK	K.CURLEY	06.03.26
DESIGN CHECK	G.TASDEMIR	06.03.26
PROJ/DES MNGR	D.ATKINSON	06.03.26
APPROVED	D.ATKINSON	06.03.26

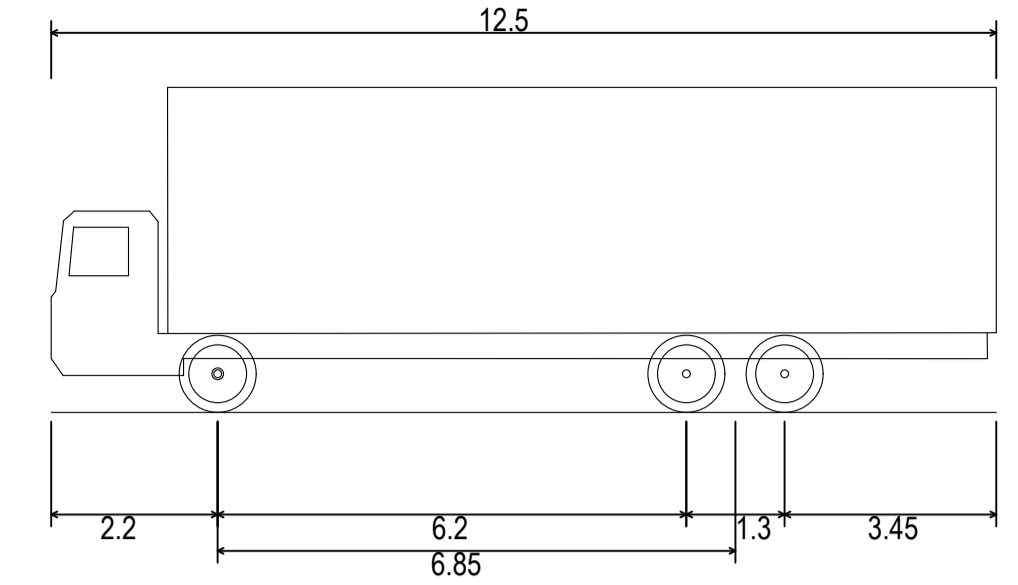
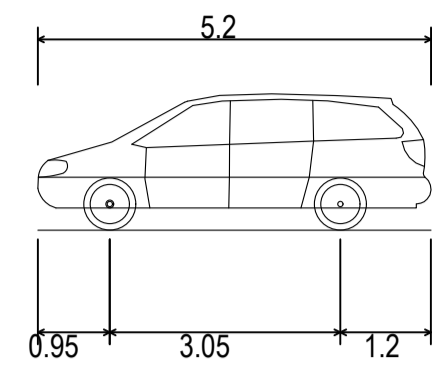
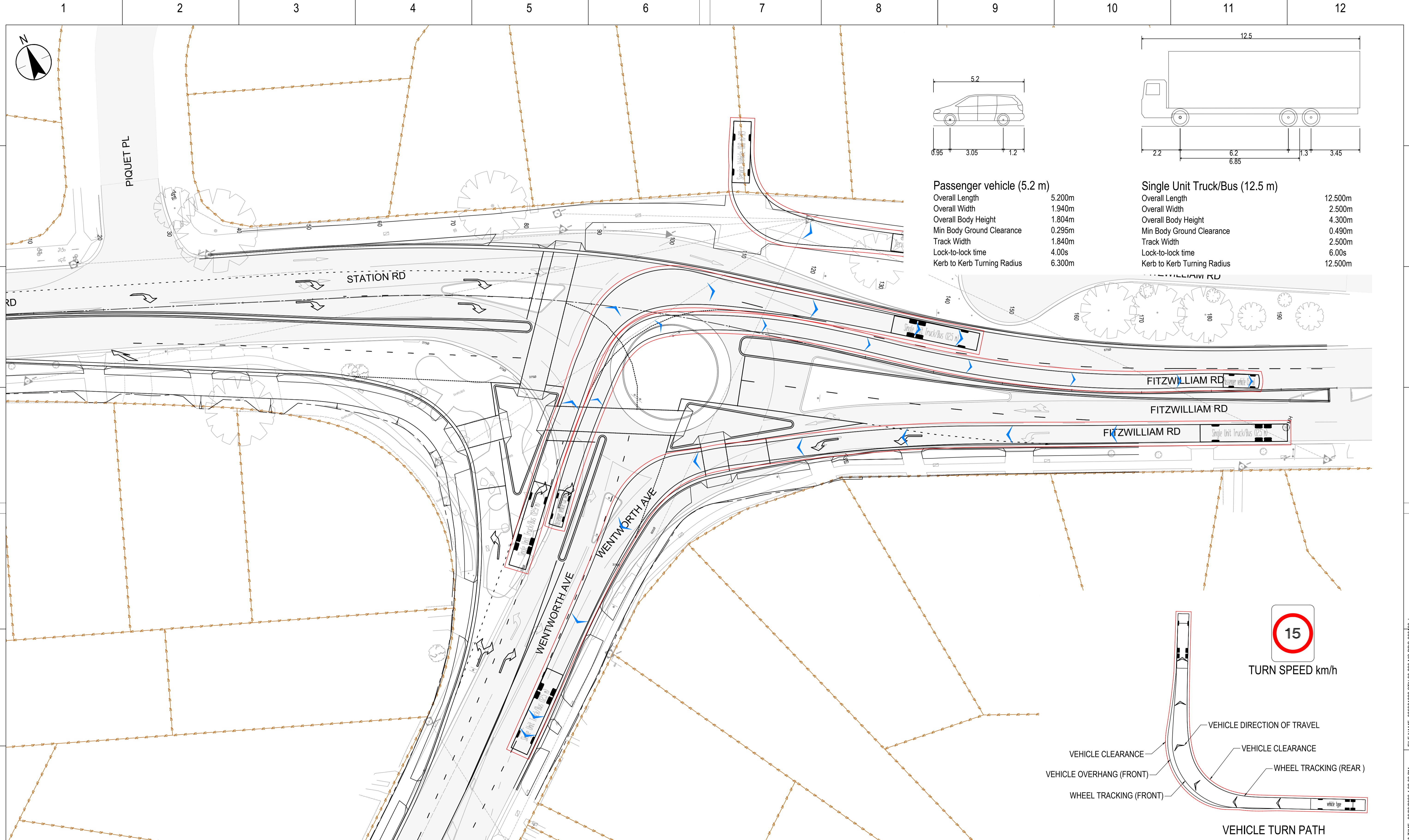
STANTEC CIVIL

CITY OF PARRAMATTA COUNCIL  
 TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT  
 DESIGN AND DOCUMENTATION

MISCELLANEOUS  
 TURN PATH PLAN DESIGN VEHICLE - SHEET 2

DRAWING SET No:	PART:	SHEET: 02 OF 06	A1
STATUS: 80% DETAILED DESIGN	BRIDGE No:		
DRG No: 305001822-STN-00-200-MS-DRG-000102	REV B	VER 0	EDMS No. AMD No.

FILE NAME: 305001822-STN-00-200-MS-DRG-000102.dwg  
PLOT DATE & TIME: 06/03/2026 4:21:53 PM

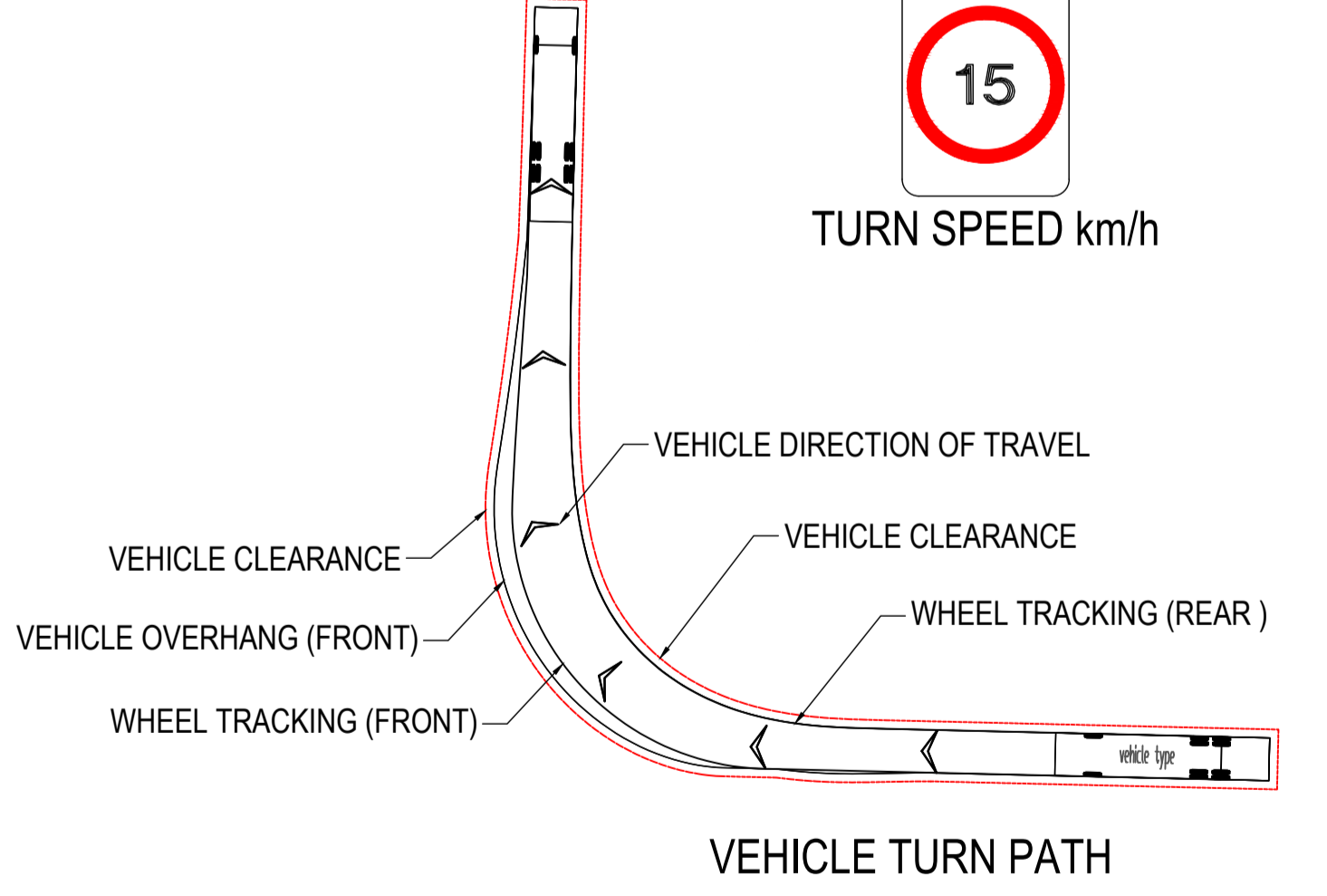


**Passenger vehicle (5.2 m)**  
 Overall Length 5.200m  
 Overall Width 1.940m  
 Overall Body Height 1.804m  
 Min Body Ground Clearance 0.295m  
 Track Width 1.840m  
 Lock-to-lock time 4.00s  
 Kerb to Kerb Turning Radius 6.300m

**Single Unit Truck/Bus (12.5 m)**  
 Overall Length 12.500m  
 Overall Width 2.500m  
 Overall Body Height 4.300m  
 Min Body Ground Clearance 0.490m  
 Track Width 2.500m  
 Lock-to-lock time 6.00s  
 Kerb to Kerb Turning Radius 12.500m



TURN SPEED km/h



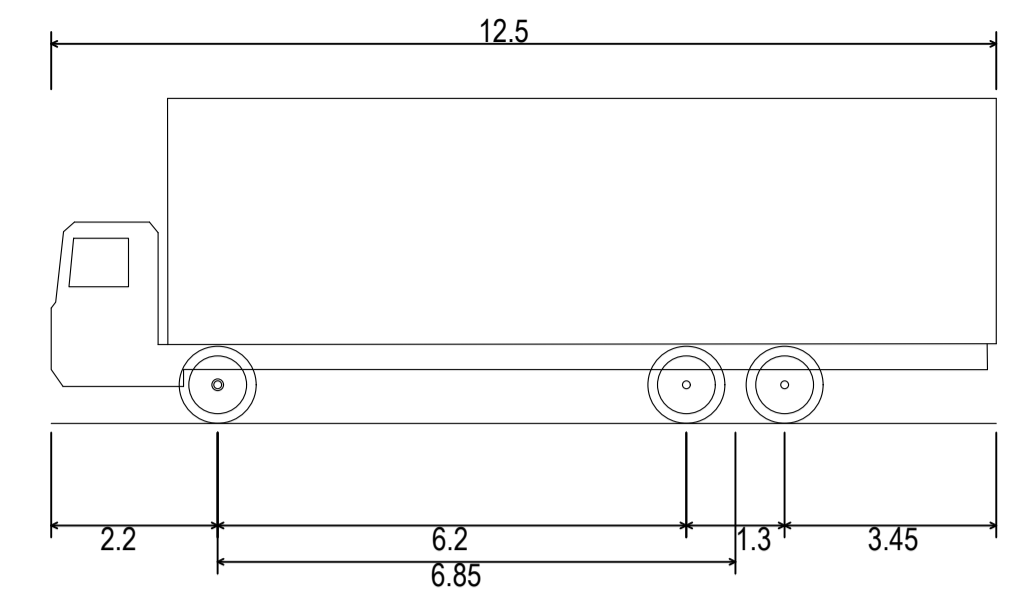
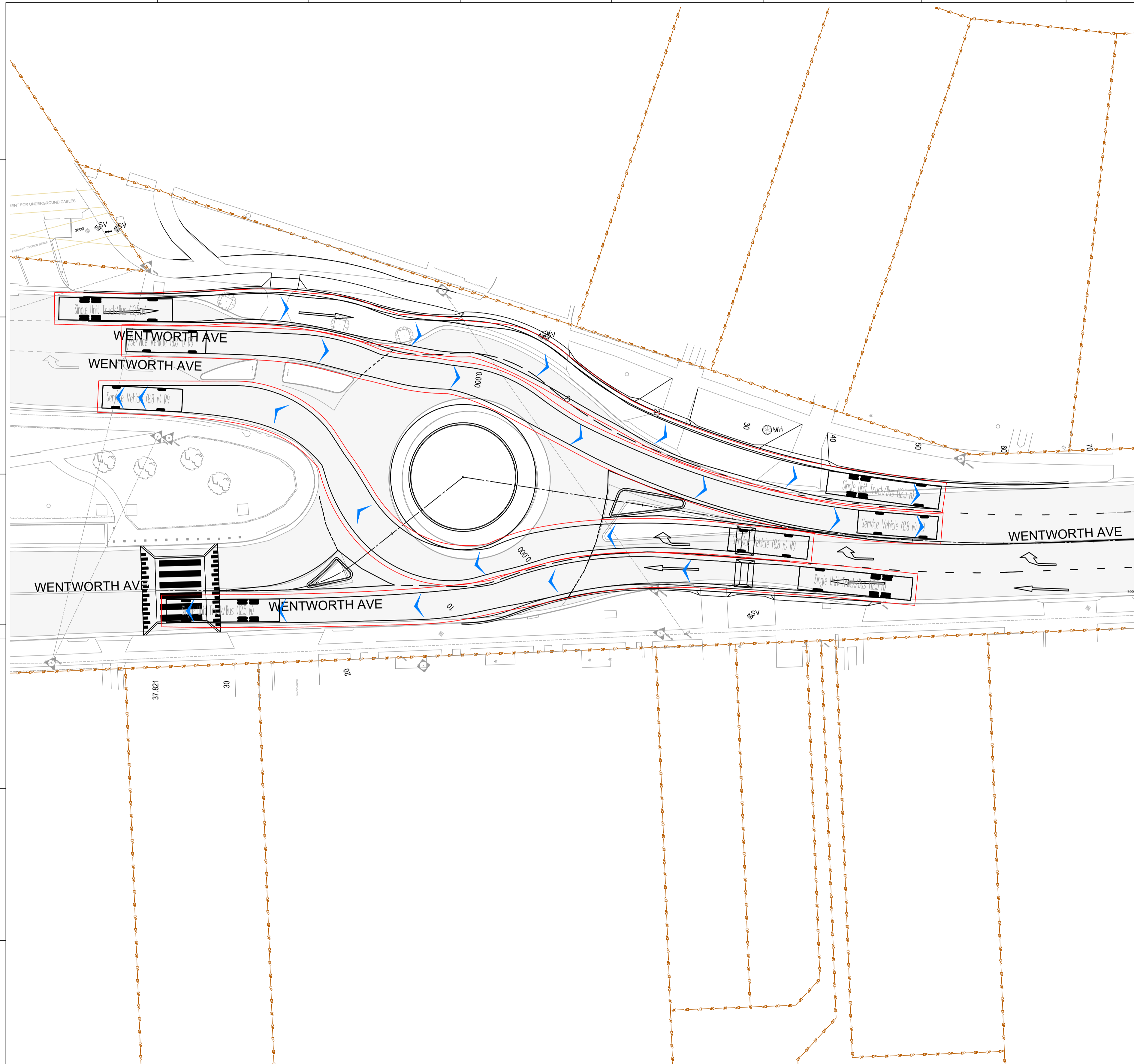
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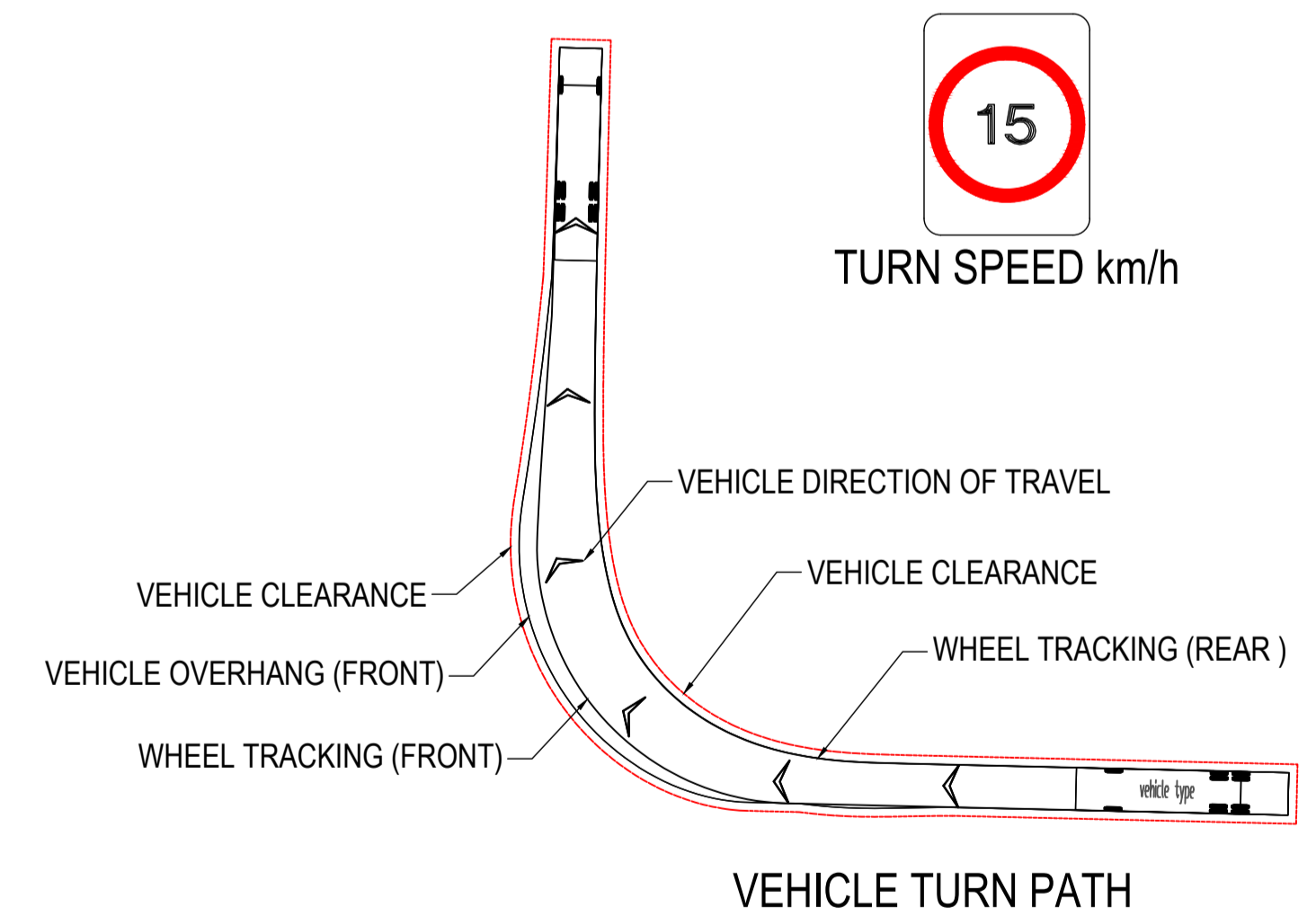
REFERENCES: -MPT-DE-M3D-??	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.			SCALE: 1:500	CLIENT:	<small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small> 	CITY OF PARRAMATTA COUNCIL <b>TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION</b>  MISCELLANEOUS TURN PATH PLAN DESIGN VEHICLE - SHEET 3	
	B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26			DRAWN _____ H.KARBALAEI SADEGH _____ 06.03.26 DESIGNED _____ D.POL _____ 06.03.26 DRG CHECK _____ K.CURLEY _____ 06.03.26 DESIGN CHECK _____ G.TASDEMIR _____ 06.03.26 PROJ/DES MNGR _____ D.ATKINSON _____ 06.03.26 APPROVED _____ D.ATKINSON _____ 06.03.26
	A.1	RE ISSUED FOR 50% DETAILED DESIGN	DP / 13.08.25	GT / 13.08.25	DA / 13.08.25			
	A.0	ISSUED FOR 50% DETAILED DESIGN	DP / 29.07.25	GT / 29.07.25	DA / 29.07.25			
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE	SCALE 1:250 @A1	DRAWING SET No: _____ PART: SHEET: 03 OF 06 A1 STATUS: 80% DETAILED DESIGN BRIDGE No: _____ DRG No: 305001822-STN-00-200-MS-DRG-000103 REV B VER 0 EDMS No. _____ AMD No. _____		
COORDINATE SYSTEM: GDA1994 MGA56		HEIGHT DATUM: AHD		DESIGN LOT CODE:				

FILE NAME: 305001822-STN-00-200-MS-DRG-000103.dwg  
PLOT DATE & TIME: 06/03/2026 4:22:03 PM



**Single Unit Truck/Bus (12.5 m)**

Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.490m
Track Width	2.500m
Lock-to-lock time	6.00s
Kerb to Kerb Turning Radius	12.500m



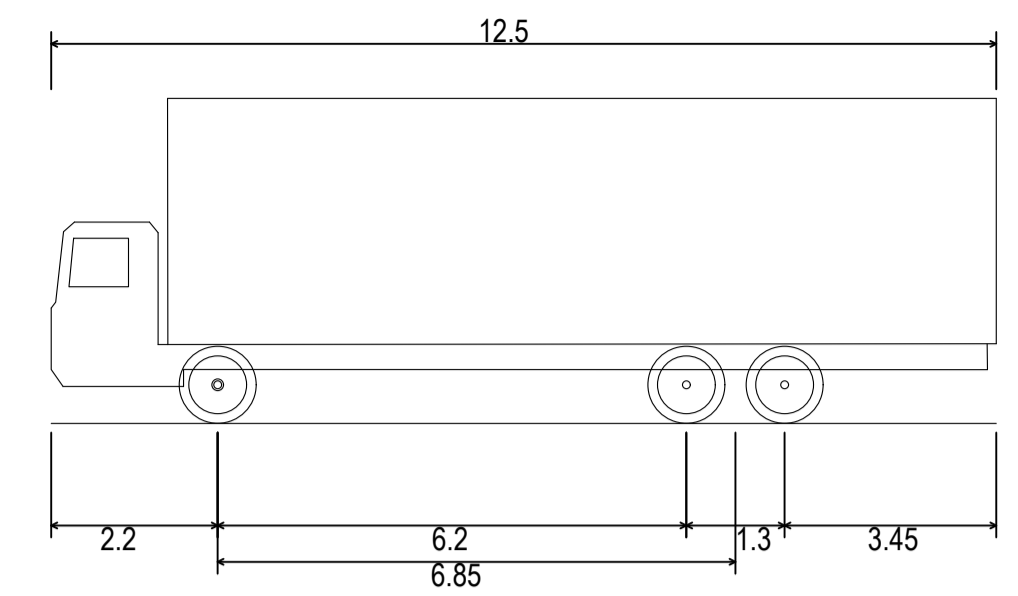
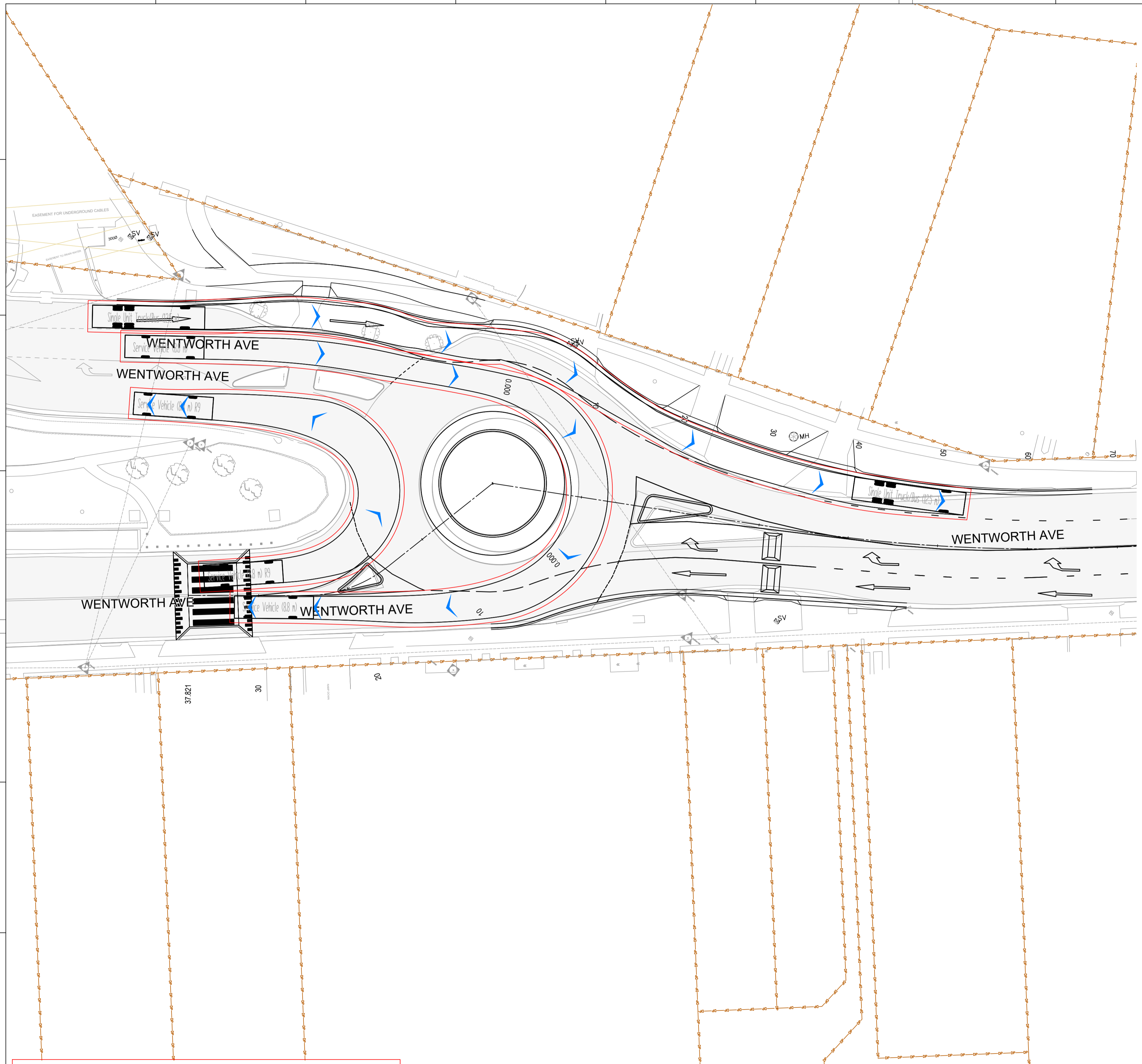
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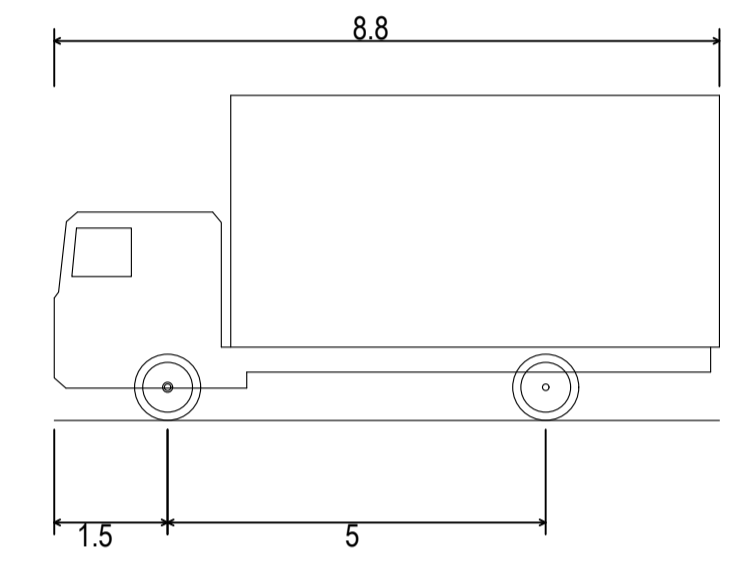
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REFERENCES: -MPT-DE-M3D-??	THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED.				SCALE: 1:500	CLIENT:	<small>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</small>	CITY OF PARRAMATTA COUNCIL TOONGABBIE LOCAL ROAD NETWORK ENHANCEMENT DESIGN AND DOCUMENTATION																		
	<table border="1"> <tr><td>B.0</td><td>ISSUED FOR 80% DETAILED DESIGN</td><td>SP / 06.03.26</td><td>GT / 06.03.26</td><td>DA / 06.03.26</td></tr> <tr><td>A.1</td><td>RE ISSUED FOR 50% DETAILED DESIGN</td><td>DP / 13.08.25</td><td>GT / 13.08.25</td><td>DA / 13.08.25</td></tr> <tr><td>A.0</td><td>ISSUED FOR 50% DETAILED DESIGN</td><td>DP / 29.07.25</td><td>GT / 29.07.25</td><td>DA / 29.07.25</td></tr> </table>				B.0	ISSUED FOR 80% DETAILED DESIGN		SP / 06.03.26	GT / 06.03.26	DA / 06.03.26	A.1	RE ISSUED FOR 50% DETAILED DESIGN	DP / 13.08.25	GT / 13.08.25	DA / 13.08.25	A.0	ISSUED FOR 50% DETAILED DESIGN	DP / 29.07.25	GT / 29.07.25	DA / 29.07.25	 SCALE 1:250 @A1	 STANTEC CIVIL	MISCELLANEOUS TURN PATH PLAN DESIGN VEHICLE - SHEET 4			
	B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26																					
	A.1	RE ISSUED FOR 50% DETAILED DESIGN	DP / 13.08.25	GT / 13.08.25	DA / 13.08.25																					
A.0	ISSUED FOR 50% DETAILED DESIGN	DP / 29.07.25	GT / 29.07.25	DA / 29.07.25																						
<table border="1"> <tr><th>REV</th><th>DESCRIPTION</th><th>DESIGNER INITIAL/DATE</th><th>VERIFIED INITIAL/DATE</th><th>APPROVED INITIAL/DATE</th></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>				REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE						DRAWING SET No: _____ PART: SHEET: 04 OF 06 A1		STATUS: 80% DETAILED DESIGN BRIDGE No: _____										
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE																						
COORDINATE SYSTEM: GDA1994 MGA56				HEIGHT DATUM: AHD		DESIGN LOT CODE: _____		DRG No: 305001822-STN-00-200-MS-DRG-000104		REV B VER 0 EDMS No. _____ AMD No. _____																

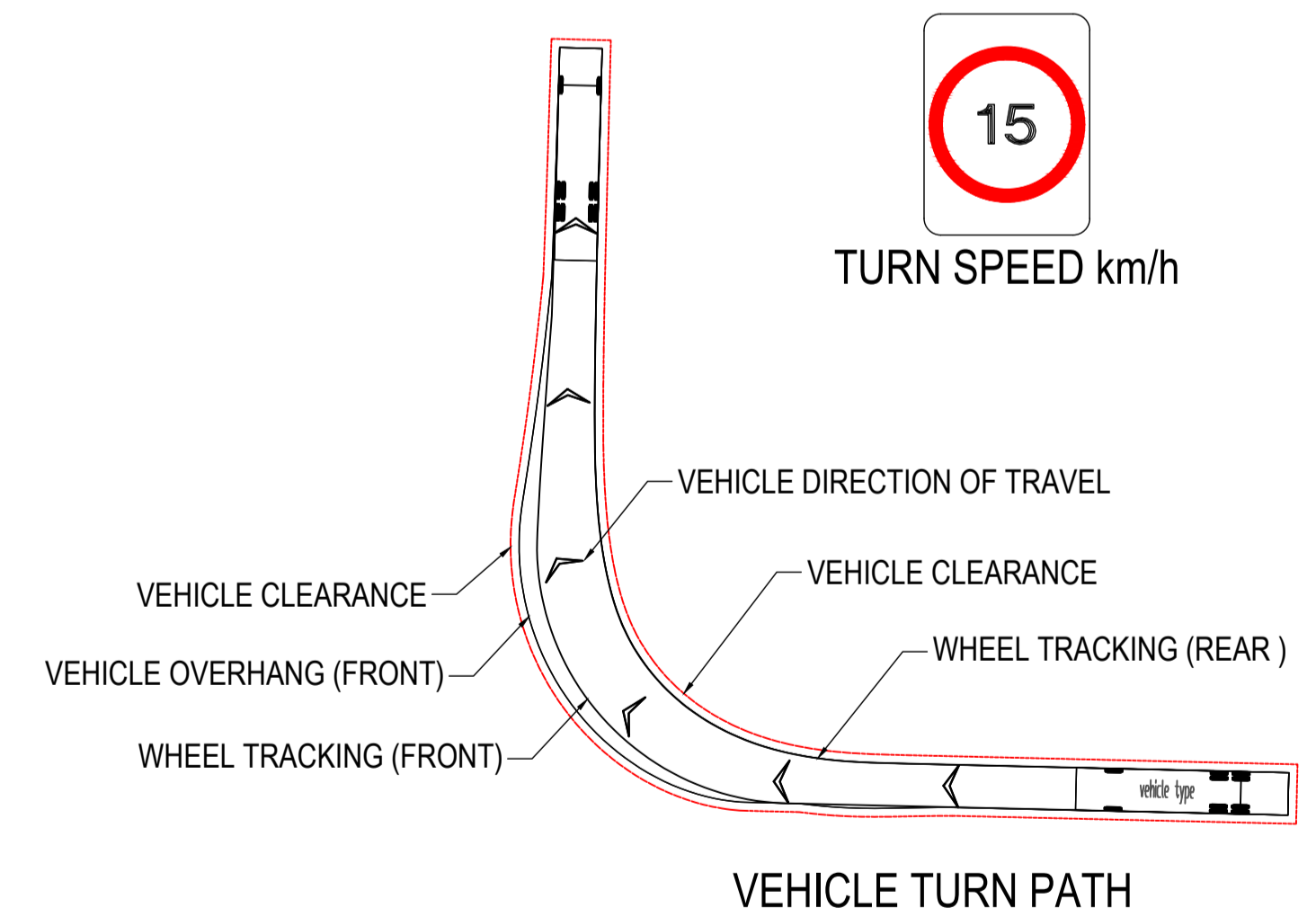
FILE NAME: 305001822-STN-00-200-MS-DRG-000104.dwg  
PLOT DATE & TIME: 06/03/2026 4:22:13 PM



**Single Unit Truck/Bus (12.5 m)**  
 Overall Length 12.500m  
 Overall Width 2.500m  
 Overall Body Height 4.300m  
 Min Body Ground Clearance 0.490m  
 Track Width 2.500m  
 Lock-to-lock time 6.00s  
 Kerb to Kerb Turning Radius 12.500m



**Service Vehicle (8.8 m)**  
 Overall Length 8.800m  
 Overall Width 2.500m  
 Overall Body Height 4.300m  
 Min Body Ground Clearance 0.427m  
 Track Width 2.500m  
 Lock-to-lock time 4.00s  
 Kerb to Kerb Turning Radius 12.500m



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	B.0	ISSUED FOR 80% DETAILED DESIGN	SP / 06.03.26	GT / 06.03.26	DA / 06.03.26	DRAWN _____ H.KARBALAEI SADEGH _____ 06.03.26 DESIGNED _____ D.POL _____ 06.03.26		
	A.1	RE ISSUED FOR 50% DETAILED DESIGN	DP / 13.08.25	GT / 13.08.25	DA / 13.08.25	DRG CHECK _____ K.CURLEY _____ 06.03.26 DESIGN CHECK _____ G.TASDEMIR _____ 06.03.26		
	A.0	ISSUED FOR 50% DETAILED DESIGN	DP / 29.07.25	GT / 29.07.25	DA / 29.07.25	PROJ/DES MNGR _____ D.ATKINSON _____ 06.03.26 APPROVED _____ D.ATKINSON _____ 06.03.26		
REV	DESCRIPTION	DESIGNER INITIAL/DATE	VERIFIED INITIAL/DATE	APPROVED INITIAL/DATE	 SCALE 1:250	DRAWING SET No: _____ PART: _____ SHEET: 05 OF 06 A1 STATUS: 80% DETAILED DESIGN BRIDGE No: _____ DRG No: 305001822-STN-00-200-MS-DRG-000105 REV B VER 0 EDMS No. _____ AMD No. _____		
COORDINATE SYSTEM: GDA1994 MGA56			HEIGHT DATUM: AHD		DESIGN LOT CODE:			

FILE NAME: 305001822-STN-00-200-MS-DRG-000105.dwg  
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