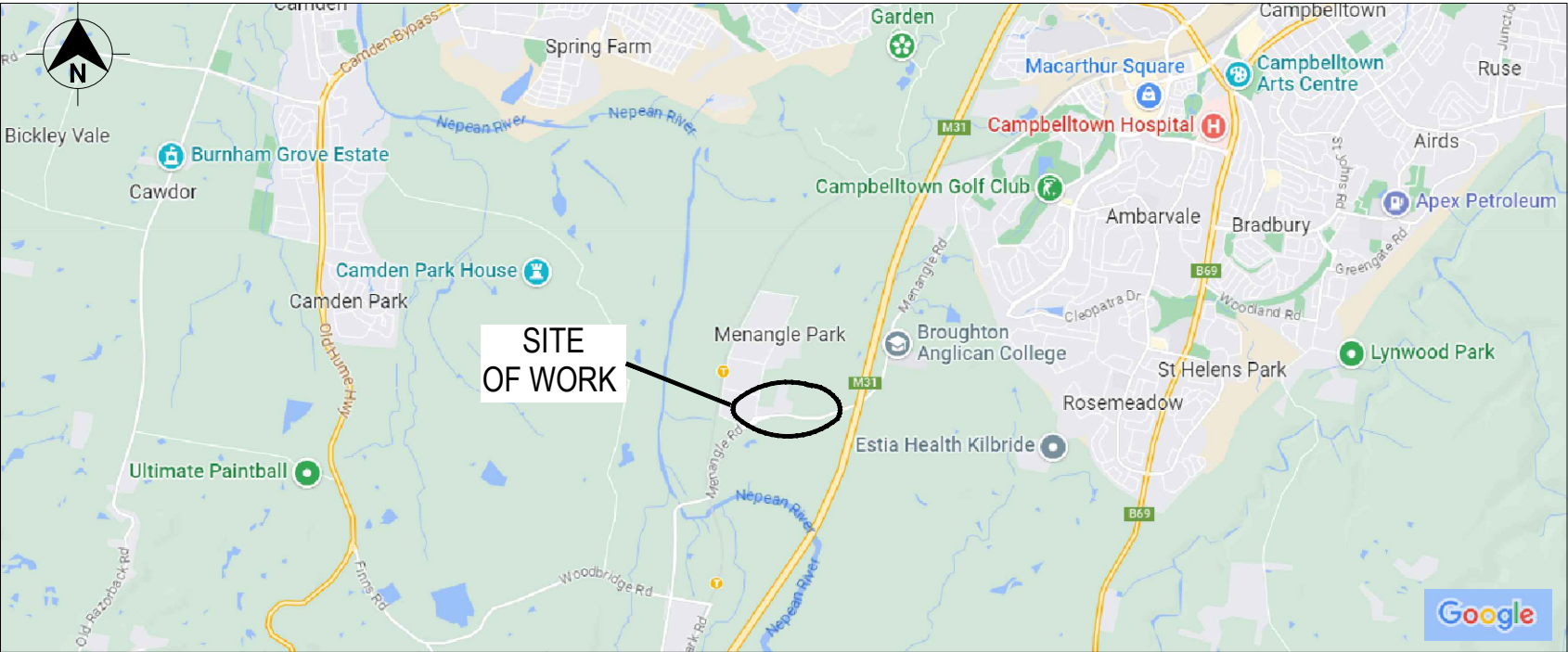




CAMPBELLTOWN CITY COUNCIL
MR 179 MENANGLE ROAD
SIGNALISED INTERSECTION
50% DETAIL DESIGN



LOCALITY PLAN
NOT TO SCALE

GROUP CODE INDEX

CODE	NAME
GE	GENERAL
RA	ROAD ALIGNMENT
RD	ROAD DETAILS
UT	UTILITIES
SM	STORMWATER MANAGEMENT
PV	PAVEMENT DETAILS
RF	ROAD FURNITURE
SP	SIGN POSTING
PM	PAVEMENT MARKING
RC	ROAD CROSS SECTION
MS	MISCELLANEOUS/SUPPLEMENTARY

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50mm ON A3 SIZE ORIGINAL

DRAWING FILE LOCATION / NAME		LINEAR REFERENCING		PLOT DATE / TIME	PLOT BY	CLIENT	CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD			A3	
PREPARED BY		DESIGNED	REVIEWED	VERIFIED	VALIDATION AND ACCEPTANCE OF THESE DRAWINGS AND THE DESIGN SHOWN THEREON IS TO BE CARRIED OUT UNDER SEPARATE PROCESS		RMS PROJECT No. ----		DESIGN PROJECT No. 19-001100		
		SIGNED	SIGNED	SIGNED			PREPARED FOR ----	RMS REGISTRATION No. -----		PART --	
NAME : JAMES MASON		NAME : JAMES MASON	NAME :	NAME :			ISSUE STATUS NOT FOR CONSTRUCTION	EDMS No. ----	SHEET No. GE-000	ISSU 4	
TITLE : PROJECT MANAGER		TITLE : PROJECT MANAGER	TITLE :	TITLE :							
DATE : MARCH 2024		DATE : MARCH 2024	DATE :	DATE :							

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50mm ON A3 SIZE ORIGINAL

DRAWING SCHEDULE	
SHEET NO.	SHEET TITLE
GE-000	COVER SHEET
GE-001	DRAWING SCHEDULE
GE-002	GENERAL NOTES
GE-003	OVERVIEW PLAN
GE-010	TYPICAL CROSS SECTIONS - MC01
GE-011	TYPICAL CROSS SECTIONS - MC02 & MC03
RA-001	ROAD ALIGNMENT
RA-101	KERB ALIGNMENT PLAN
RA-102	KERB ALIGNMENT PLAN
RA-103	KERB ALIGNMENT PLAN
RA-104	KERB ALIGNMENT PLAN
RA-105	KERB ALIGNMENT PLAN
RD-001	ROAD DETAIL PLAN
RD-002	ROAD DETAIL PLAN
RD-003	ROAD DETAIL PLAN
RD-004	ROAD DETAIL PLAN
RD-005	ROAD DETAIL PLAN
RD-006	ROAD DETAIL PLAN
RD-050	BULK EARTHWORKS PLAN
RD-060	ROAD WORKS PLAN - LIMIT OF WORKS
RD-101	LONGITUDINAL SECTION
RD-102	LONGITUDINAL SECTION
RD-201	LONGITUDINAL SECTION
RD-301	LONGITUDINAL SECTION
RC-101	ROAD CROSS SECTIONS - MC01
RC-102	ROAD CROSS SECTIONS - MC01
RC-103	ROAD CROSS SECTIONS - MC01
RC-104	ROAD CROSS SECTIONS - MC01
RC-105	ROAD CROSS SECTIONS - MC01
RC-106	ROAD CROSS SECTIONS - MC01
RC-107	ROAD CROSS SECTIONS - MC01
RC-108	ROAD CROSS SECTIONS - MC01
RC-109	ROAD CROSS SECTIONS - MC01
RC-201	ROAD CROSS SECTIONS - MC02
RC-202	ROAD CROSS SECTIONS - MC02
RC-301	ROAD CROSS SECTIONS - MC03
RC-302	ROAD CROSS SECTIONS - MC03
RC-303	ROAD CROSS SECTIONS - MC03
RC-304	ROAD CROSS SECTIONS - MC03

DRAWING SCHEDULE	
SHEET NO.	SHEET TITLE
UT-001	UTILITIES
UT-002	UTILITIES
UT-003	UTILITIES
UT-004	UTILITIES
UT-005	UTILITIES
UT-006	UTILITIES
SM-001	STORMWATER MANAGEMENT
SM-002	STORMWATER MANAGEMENT
SM-003	STORMWATER MANAGEMENT
SM-004	STORMWATER MANAGEMENT
SM-005	STORMWATER MANAGEMENT
SM-006	STORMWATER MANAGEMENT
SM-050	STORMWATER LONGITUDINAL SECTIONS
SM-051	STORMWATER LONGITUDINAL SECTIONS
SM-052	STORMWATER LONGITUDINAL SECTIONS
SM-053	STORMWATER LONGITUDINAL SECTIONS
SM-200	STORMWATER DRAINAGE CATCHMENT PLAN
SM-301	STORMWATER DRAINAGE HYDROLOGY CALCULATIONS
SM-302	STORMWATER DRAINAGE HYDRAULICS CALCULATIONS
PV-001	PAVEMENT DETAILS
PV-101	PAVEMENT PLAN
PV-102	PAVEMENT PLAN
PV-103	PAVEMENT PLAN
PV-104	PAVEMENT PLAN
PV-105	PAVEMENT PLAN
PV-106	PAVEMENT PLAN
RF-101	ROAD FURNITURE PLAN
RF-102	ROAD FURNITURE PLAN
RF-103	ROAD FURNITURE PLAN
RF-104	ROAD FURNITURE PLAN
RF-105	ROAD FURNITURE PLAN
RF-106	ROAD FURNITURE PLAN
MS-101	VEHICLE TURNING MOVEMENTS
MS-102	VEHICLE TURNING MOVEMENTS
MS-103	VEHICLE TURNING MOVEMENTS
MS-104	VEHICLE TURNING MOVEMENTS
MS-110	LAND AQUISITION PLAN
MS-120	MAINTENANCE RESPONSIBILITY
MS-130	CONCEPT EROSION AND SEDIMENT CONTROL PLAN

TfNSW STANDARD DRAWINGS	
SHEET NUMBER	SHEET TITLE
R0220-01	GULLY PIT TYPE SA FOR PIPES UP TO 450mm DIA
R0220-03	PRECAST CONCRETE LINTELS FOR TYPE SA KERB GULLY PITS
R0220-04	STANDARD GULLY PIT TYPE SA GRATINGS AND FRAMES
R0220-05	STANDARD GULLY PIT TYPE SA GRATINGS AND FRAMES
R0220-21	STANDARD GULLY PIT TYPE SO1
R0220-22	STANDARD GULLY PIT TYPE SO2
R0220-28	GULLY PIT TREATMENT FOR PIPES GREATER THAN 450mm DIA
R0300-01	STANDARD KERB AND CHANNEL SHAPES
R0300-06	KERB TRANSITION TYPE SA KERB TO TYPE SM KERB
R0300-11	KERB RAMPS
R0300-11	KERB RAMP INSTALLATION
R0300-11	TYPICAL APPLICATION OF KERB RAMPS AT INTERSECTION

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DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT				CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD DRAWING SCHEDULE		A3					
EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE							NAME	DATE		
				1	03/08/23	FIRST ISSUE								DRAWN	M. BAKER	MAY 24	PREPARED FOR ---- ----		ISSUE STATUS NOT FOR CONSTRUCTION		SHEET No. GE-001		ISSUE 6	
				2	18/08/23	MINOR AMENDMENTS								DRG CHECK	J. MASON	MAY 24								
				3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24								
				4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24								
				5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24								
				6	17/05/24	MINOR AMENDMENTS								PROJECT MNGR	B. TOMIC	MAY 24								
						CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.																

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GENERAL NOTES

1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH THE DETAILS SHOWN ON THE CONSTRUCTION DRAWINGS, TRANSPORT FOR NSW'S (TfNSW) AND COUNCIL'S STANDARDS AND SPECIFICATIONS, AND THE INSTRUCTIONS OF TfNSW'S AND/OR COUNCIL'S ENGINEER.
2. ALL LEVELS SHALL BE TAKEN FROM ESTABLISHED BENCH MARKS.
3. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE CONSTRUCTION DRAWINGS.
4. ANY DISCREPANCIES OR OMISSIONS WITH OTHER CONSULTANT'S DRAWINGS SHALL BE REFERRED TO THE SUPERINTENDENT FOR A DECISION BEFORE PROCEEDING WITH THE WORK.
5. WRITTEN PERMISSION SHALL BE OBTAINED FROM ADJOINING OWNERS PRIOR TO COMMENCEMENT OF ANY RELEVANT CONSTRUCTION AFFECTING ADJOINING LANDS.
6. THE CONTRACTOR SHALL TAKE ALL DUE CARE THAT ONLY THE ABSOLUTE MINIMUM OF AREA FOR CONSTRUCTION IS USED AND THAT NO UNDUE DAMAGE IS DONE TO THE EXISTING VEGETATION.
7. NO WORK TO BE CARRIED OUT IN SUNDAYS.
8. ALL RUBBISH, TEMPORARY OFFICES, SHEDS AND FENCES TO BE REMOVED AT THE COMPLETION OF ALL CONSTRUCTION ACTIVITY AND PRIOR TO SITE HANDOVER.

SURVEY INFORMATION

ORIGIN OF LEVELS: NOT PROVIDED
DATUM OF LEVELS: AHD
SURVEY PREPARED BY: CRAIG AND RHODES

1. EGIS DOES NOT GUARANTEE THE SURVEY INFORMATION SHOWN ON THIS DRAWING AND WILL ACCEPT NO LIABILITY FOR ANY INACCURACIES IN THE SURVEY INFORMATION PROVIDED TO US FROM ANY CAUSE WHATSOEVER.
2. SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT EGIS CONSULTING. THE FOLLOWING NOTES HAVE BEEN TAKEN DIRECTLY FROM THE ORIGINAL SURVEY DOCUMENTS.

EXISTING SERVICES NOTES

1. EGIS DOES NOT GUARANTEE THAT THE SERVICES INFORMATION SHOWN ON THIS DRAWING SHOWS MORE THAN THE PRESENCE OR ABSENCE OF SERVICES, AND WILL ACCEPT NO LIABILITY FOR INACCURACIES IN THE SERVICES INFORMATION FROM ANY CAUSE WHATSOEVER.
2. THE LOCATIONS OF UNDERGROUND SERVICES SHOWN ON THIS DRAWING HAVE BEEN PLOTTED FROM INFORMATION PROVIDED BY SERVICE AUTHORITIES AND THE SURVEYOR. THIS INFORMATION HAS BEEN PREPARED SOLELY FOR THE AUTHORITIES OWN USE AND MAY NOT NECESSARILY BE UPDATED OR ACCURATE.
3. THE POSITION OF SERVICES AS RECORDED BY THE AUTHORITY AT THE TIME OF INSTALLATION MAY NOT REFLECT CHANGES IN THE PHYSICAL ENVIRONMENT SUBSEQUENT TO INSTALLATION.
4. THE CONTRACTOR MUST CONFIRM THE EXACT LOCATION AND EXTENT OF SERVICES PRIOR TO CONSTRUCTION AND NOTIFY ANY CONFLICT WITH THE DRAWINGS IMMEDIATELY TO THE ENGINEER/SUPERINTENDENT.
5. ALL EXISTING SERVICES PITS, ENCLOSURES AND CONDUITS SHALL BE RELOCATED AND/OR ADJUSTED AS NECESSARY TO THE REQUIREMENTS OF THE RELEVANT AUTHORITY.
6. THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION AND REMOVAL IF REQUIRED OF ALL EXISTING SERVICES IN AREAS AFFECTED BY THE WORKS WITHIN THE CONTRACT AREA, AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT. ALL TO REGULATORY AUTHORITY STANDARDS AND APPROVAL.
7. CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.

8. INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE. CONTRACTOR TO GAIN APPROVAL OF THE SUPERINTENDENT FOR TIME OF INTERRUPTION.
9. THE CONTRACTOR SHALL TAKE ALL REASONABLE CARE TO PROTECT EXISTING SERVICES. DAMAGED SERVICES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

KERB

1. REFER TO TfNSW STANDARD DRAWINGS R0300-01, R0300-06, AND R0300-11 FOR KERB DETAILS

STORMWATER NOTES

1. REFER TO TfNSW STANDARD DRAWINGS R0220-01, R0220-03, R0220-04, R0220-05, R0220-021, R0220-22, AND R0220-28 FOR STORMWATER STRUCTURE DETAILS
2. ALL EXPOSED SURFACES TO BE GRADED TOWARDS DRAINAGE INLETS AT MIN. 1.0% FALL (U.N.O.).
3. ALL DRAINAGE PIPES UP TO AND INCLUDING 250 DIA. SHALL BE SEWER GRADE uPVC WITH RUBBER RING JOINTS LAID AT MINIMUM 1.0% GRADE (U.N.O.).
4. ALL STORMWATER DRAINAGE PIPES 300 DIA. AND LARGER SHALL BE CLASS "3" APPROVED SPIGOT AND SOCKET RCP PIPES WITH RUBBER RING JOINTS (U.N.O.).
5. SUBSOIL DRAINS TO BE SLOTTED FLEXIBLE uPVC WITH GEOTEXTILE FILTER FABRIC SOCK (U.N.O.). WHERE SUBSOIL DRAINAGE LINES PASS UNDER FLOOR SLABS AND VEHICULAR PAVEMENTS UNSLOTTED UPVC SEWER GRADE PIPES SHALL BE USED.
6. ALL COVER TO STORMWATER PIPES TO BE MIN. 300mm UNDER NON-TRAFFICABLE AREAS AND 600mm UNDER AREAS SUBJECT TO VEHICULAR LOADING (U.N.O.).
7. ALL PIPE ENLARGERS, CONNECTIONS, JUNCTIONS AND ADAPTORS ARE TO BE MANUFACTURED FITTINGS. IN-SITU FITTINGS AND ADAPTORS ARE NOT ACCEPTABLE WITHOUT CIVIL ENGINEER'S APPROVAL.
8. PROVIDE 3.0m LENGTH OF 100 DIA. SUBSOIL DRAINAGE PIPE WRAPPED IN FABRIC SOCK, AT UPSTREAM END OF EACH PIT (U.N.O.).
9. ALL DOWN PIPE CONNECTIONS TO BE MINIMUM 150Ø.
10. CARE IS TO BE TAKEN WITH LEVELS OF STORMWATER LINES. GRADES SHOWN ARE NOT TO BE REDUCED WITHOUT APPROVAL. (GRADES SHOWN ARE ONLY NOMINAL).
11. ALL LONGITUDINAL PIPELINES IN ROADS MUST BE LOCATED UNDER KERB AND GUTTER AND BE BACKFILLED AS INDICATED ON PLANS.
12. ALL GULLY PITS TO BE IN ACCORDANCE WITH STANDARD DETAILS AND LINTELS CENTRALLY PLACED AT SAG PITS. LENGTH OF LINTEL SHOWN INDICATES LENGTH OF CLEAR OPENING.
13. ALL PITS MUST BE BENCHED AND STREAMLINED. PROVIDE STEP IRONS TO ALL PITS OVER 0.9m DEEP.
14. ADEQUATE PROVISIONS TO BE MADE TO PREVENT SCOURING AND SEDIMENTATION TO SOFT-LINED STORMWATER DRAINAGE ELEMENTS AND AT DRAINAGE OUTLETS.

EARTHWORKS NOTES

1. REFER TO THE GEOTECHNICAL ENGINEERING REPORT " PAVEMENT DESIGN INVESTIGATION " PREPARED BY GEOTECHNIQUE PTY. LTD.
2. STRIP SITE OF ALL TOPSOIL, VEGETATION AND DELETERIOUS MATTER TO A MINIMUM DEPTH OF 100-150mm (U.N.O.).
3. PROOF ROLL SUBGRADE TO REVEAL SOFT SPOTS. SOFT SPOTS TO BE REMOVED AND BACKFILLED.

4. MATERIAL WON FROM THE SITE TO BE INSPECTED BY THE GEOTECHNICAL ENGINEER FOR APPROVAL PRIOR TO USE AS FILL. ANY IMPORTED FILL TO HAVE A MINIMUM CBR VALUE OF 15%. SELECTED EARTH FILL SHALL BE APPROVED EXCAVATED SITE MATERIAL HAVING A MAXIMUM PARTICLE SIZE OF 75mm AND PLACED IN 200mm THICK LAYERS (LOOSE) AND COMPACTED TO ACHIEVE A MINIMUM OF 98% STANDARD MAXIMUM DRY DENSITY AT AN OPTIMUM MOISTURE CONTENT OF ±2% IN ACCORDANCE WITH AS.1289.5.1.1. EXCEPT FOR THE UPPER 500mm WHICH SHOULD BE COMPACTED TO A MINIMUM 100% STANDARD MAXIMUM DRY DENSITY.
5. TEST CERTIFICATES ON THE FILL MATERIAL SHALL BE SUPPLIED TO THE SUPERINTENDENT FOR APPROVAL PRIOR TO THE USE OF THE FILL MATERIAL.
6. POSSIBLE CONTAMINATION OF THIS SITE HAS NOT BEEN INVESTIGATED. SUSPECT SOILS EXPOSED DURING EXCAVATION AND GROUND WORKS SHALL BE REPORTED TO THE SUPERINTENDENT.
7. GENERALLY ALL EARTHWORKS ARE TO BE UNDERTAKEN IN ACCORDANCE WITH THE GUIDELINES FOR EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS AS SET OUT IN AS3798(2007).
8. SITE PREPARATION WORKS AND ALL FILLING WORKS IS TO BE UNDER LEVEL 1 CONDITIONS IN ACCORDANCE WITH GEOTECHNICAL ENGINEER'S REPORTS AND AS3798(2007).
9. THE CONTRACTOR SHALL PROGRAMME THE EARTHWORKS OPERATION SO THAT THE WORKING AREAS ARE ADEQUATELY DRAINED DURING THE PERIOD OF CONSTRUCTION. THE SURFACE SHALL BE GRADED AND SEALED OFF TO REMOVE DEPRESSIONS, ROLLER MARKS AND SIMILAR WHICH WOULD ALLOW WATER TO POND AND PENETRATE THE UNDERLYING MATERIAL. ANY DAMAGE RESULTING FROM THE CONTRACTOR NOT OBSERVING THESE REQUIREMENTS SHALL BE RECTIFIED BY THE CONTRACTOR AT THEIR COST.
10. EARTHWORKS SHALL INCLUDE THE EXCAVATION, PLACING AND COMPACTION OF CUT MATERIALS TO THE LEVELS AND PROFILES AS DETAILED ON THE BULK EARTHWORKS PLAN. EXCESS SPOIL IS TO BE MANAGED AS DIRECTED BY THE SUPERINTENDENT. BATTERS SHALL CONTINUE IN REGULAR LINES AROUND CURVES.
11. WHERE BATTERS ARE NOT DETAILED ON PLANS AND SECTION, AN EVEN GRADE BETWEEN NOMINATED LEVELS WILL APPLY. THE MAXIMUM UNSUPPORTED BATTER SHALL BE 1V:3H UNLESS NOTED OTHERWISE.
12. BATTERS SHALL BE FREE OF LOOSE MATERIAL AND SHALL BE NEATLY TRIMMED AND ROLLED TO SEAL THE SURFACE (PRIOR TO REVEGETATION AS REQUIRED IN ACCORDANCE WITH SITE VMP).
13. FILL BATTERS TO BE CONSTRUCTED BY OVER PLACEMENT OF ENGINEERED FILL AND TRIMMING BACK TO THE FINAL PROFILE.
14. EXCAVATED MATERIAL NOT MEETING THE SPECIFICATION FOR FILL MATERIAL AND CLASSIFIED AS UNSUITABLE SHALL BE DISPOSED OF IN AN APPROPRIATE MANNER AND AS DIRECTED BY THE SUPERINTENDENT.
15. ALL EXCAVATED MATERIAL REMOVED FORM THE SITE MUST BE CLASSIFIED IN ACCORDANCE WITH NSW DECC (2008) ENVIRONMENTAL GUIDELINES: ASSESSMENT, CLASSIFICATION AND MANAGEMENT OF LIQUID AND NON-LIQUID WASTES PRIOR TO DISPOSAL. ALL EXCAVATED MATERIAL MUST BE DISPOSED OF TO AN APPROVED WASTE MANAGEMENT FACILITY.
16. STRIPPED PAVEMENT SUB-GRADES MUST BE PROOF ROLLED (PRIOR TO ADDITION OF SUITABLE FILL) BY A MINIMUM 12 TONNE MASS SMOOTH DRUM ROLLER WITHOUT VIBRATION UNDER THE SUPERVISION OF THE GEOTECHNICAL TESTING AUTHORITY (GTA) AND/OR SITE ENGINEER.
17. TOPSOIL WHERE PLACED OR REQUIRED IS TO HAVE A MAXIMUM THICKNESS OF 300mm AND SHALL BE LIGHTLY ROLLED TO ACHIEVE A 'NATURAL IN-SITU' COMPACTION TO PREVENT EROSION BUT TO ACHIEVE THE REQUIRED GRADES AS SPECIFIED ON THE DESIGN DRAWINGS.
18. SURFACE RUNOFF AND SCOUR MUST BE CONTROLLED AND THE SURFACE BETWEEN LAYERS GRADED WITH A 1% MINIMUM FREE DRAINING SLOPE.
19. DURING CLEARING AND EXCAVATION FOR SLABS AND FOOTINGS CUT OUT SOFT SPOTS AND FILL AS ABOVE AND AS DIRECTED BY THE GTA.

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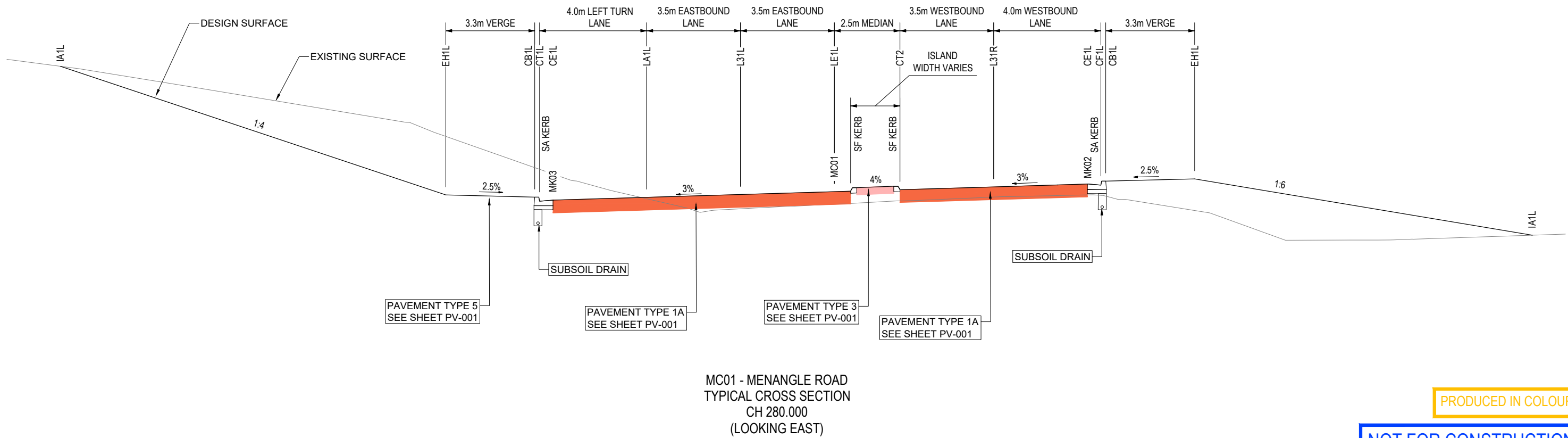
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							MGA ZONE 55 (GDA2020)		A.H.D.		DRG CHECK	J. MASON	MAY 24										
											DESIGN	M. BAKER	MAY 24										
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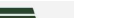
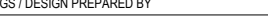
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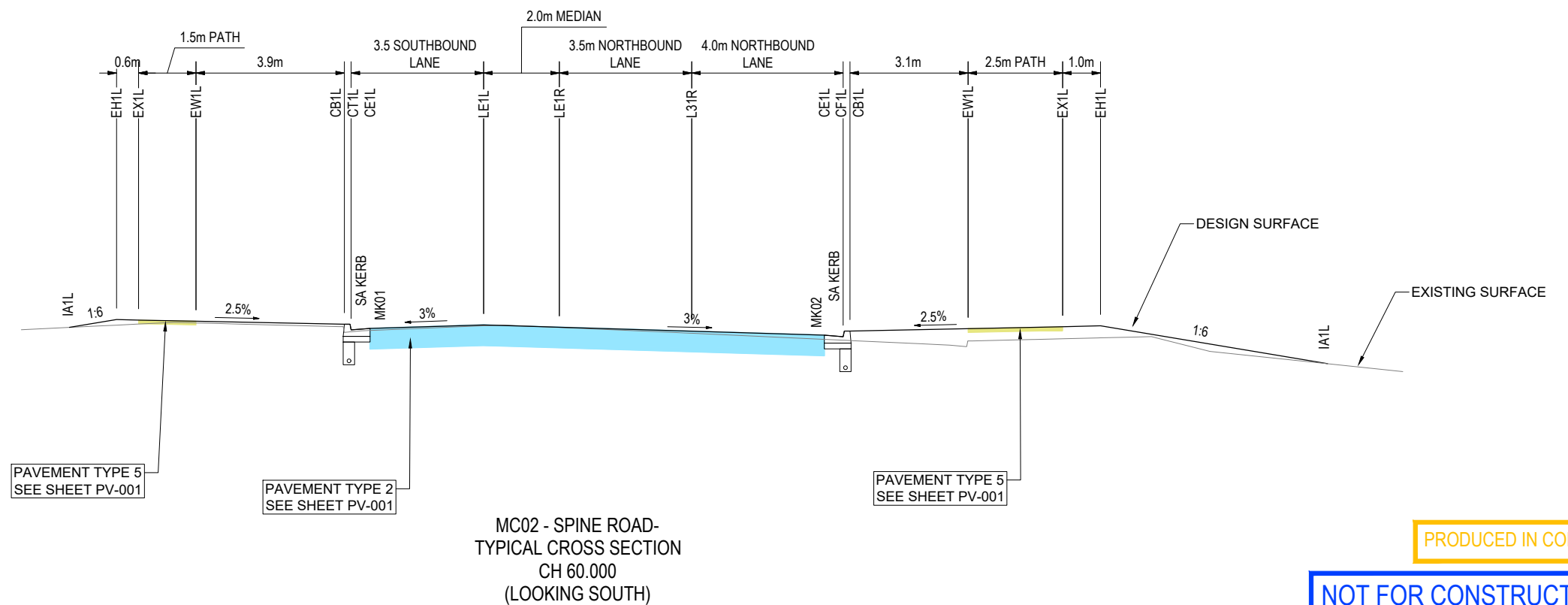
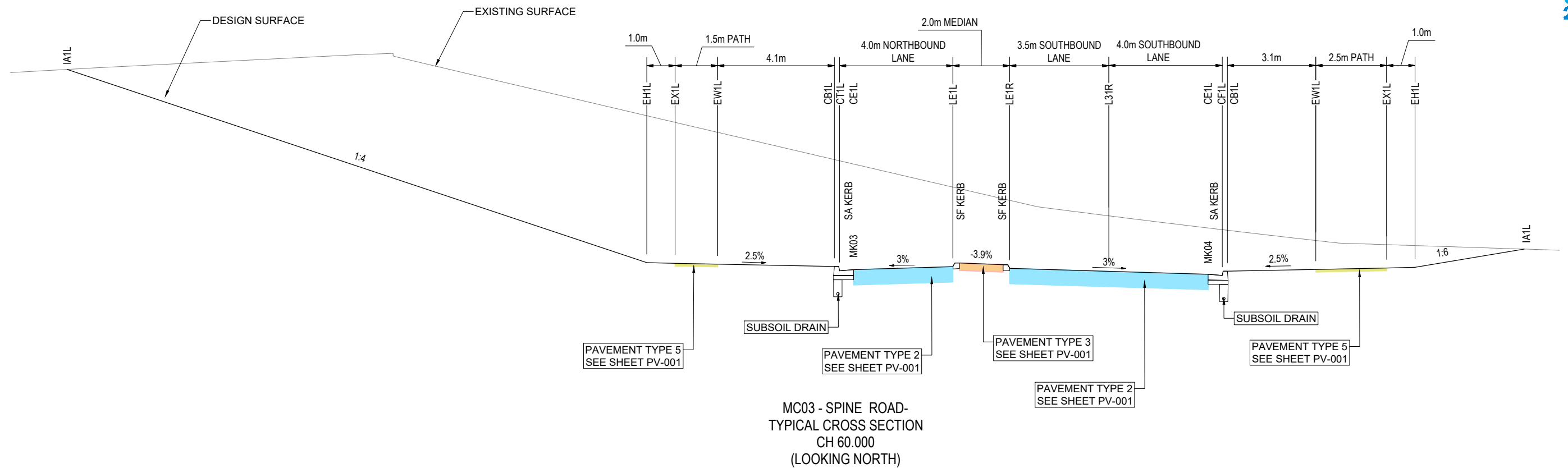


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				2	18/08/23	MINOR AMENDMENTS				DRG CHECK					J. MASON	MAY 24						
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										CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)												
						A.H.D.																
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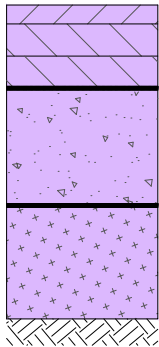
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		6	17/05/24	MINOR AMENDMENTS				CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.		PROJECT MNGR	B. TOMIC	MAY 24								



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DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELL TOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD TYPICAL CROSS SECTIONS - MC02 & MC03		A3										
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				2	18/08/23	MINOR AMENDMENTS									DRG CHECK		J. MASON		MAY 24	----							
				3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS									DESIGN		M. BAKER		MAY 24	----							
				4	26/03/24	MINOR AMENDMENTS									DESIGN CHECK		J. MASON		MAY 24	----							
				5	16/05/24	CLIENT COMMENTS ADDRESSED									DESIGN MNGR		J. MASON		MAY 24	----							
				6	17/05/24	MINOR AMENDMENTS									PROJECT MNGR		B. TOMIC		MAY 24								
										CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.															

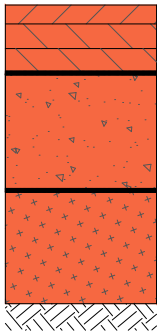


PAVEMENT TYPE 1 DETAIL

MENANGLE ROAD



DESIGN LOADING 1.76×10^7 DESA

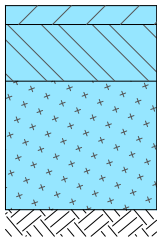


PAVEMENT TYPE 1A DETAIL

INTERSECTION



DESIGN LOADING 1.76×10^7 DESA

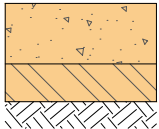


PAVEMENT TYPE 2 DETAIL

SPINE ROAD

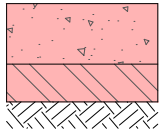


DESIGN LOADING 2.0×10^6 ESA



PAVEMENT TYPE 3 DETAIL

MEDIAN INFILL (SPINE ROAD)



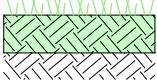
PAVEMENT TYPE 4 DETAIL

MEDIAN INFILL (MENANGLE ROAD)



PAVEMENT TYPE 5 DETAIL

CONCRETE PATH



PAVEMENT TYPE 6 DETAIL

BATTER AND VERGE

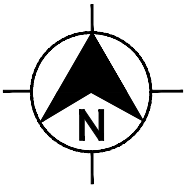


NOTES

PAVEMENT DESIGN SUBJECT TO GEOTECHNICAL TESTING AND DESIGN.

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DRAWING FILE LOCATION / NAME					DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT				CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD PAVEMENT DETAILS		A3	
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE					PREPARED FOR	
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			2	18/08/23	MINOR AMENDMENTS								DRG CHECK	J. MASON	MAY 24	----					
			3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24	----					
			4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24	----					
			5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24	----					
			6	17/05/24	MINOR AMENDMENTS								PROJECT MNGR	B. TOMIC	MAY 24	----					
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									MGA ZONE 55 (GDA2020)		A.H.D.										

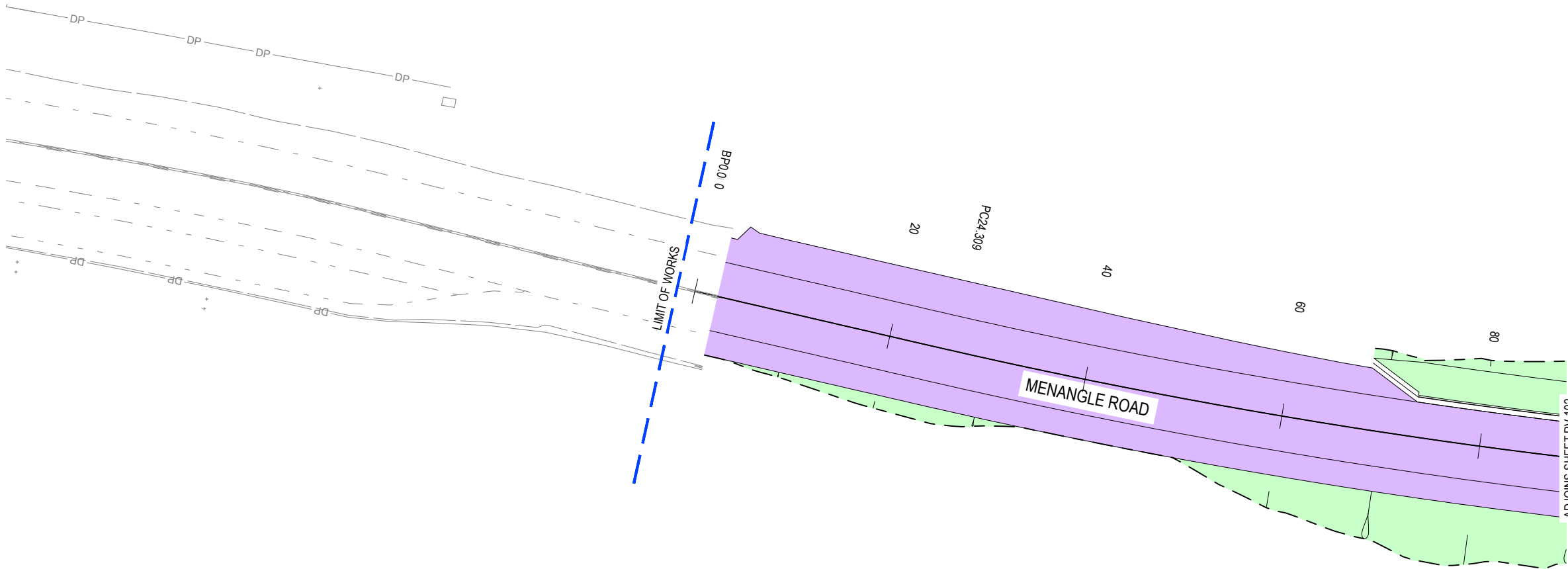


LEGEND

- PAVEMENT TYPE 1 - MENANGLE ROAD
- PAVEMENT TYPE 1A - INTERSECTION
- PAVEMENT TYPE 2 - SPINE ROAD
- PAVEMENT TYPE 3 - MEDIAN INFILL (SPINE ROAD)
- PAVEMENT TYPE 4 - MEDIAN INFILL (MENANGLE ROAD)
- PAVEMENT TYPE 5 - CONCRETE PATH
- PAVEMENT TYPE 6 - BATTER AND VERGE

NOTES

- FOR PAVEMENT PROFILES REFER TO SHEET PV-001
- CHECK LOCATION OF UTILITIES PRIOR TO CONSTRUCTION
- PROVIDE 100mm TOPSOIL AND SEED BATTERS
- REFER TO LINEMARKING, SIGNAGE AND SAFETY BARRIER PLANS, REFER TO RF-101 TO RF-106

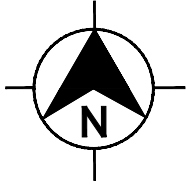


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DRAWING FILE LOCATION / NAME						DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				PLOT DATE / TIME			PLOT BY		CLIENT			CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD PAVEMENT PLAN			A3	
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY			TITLE	NAME	DATE	PREPARED FOR ----- -----								
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			2	18/08/23	MINOR AMENDMENTS								DRG CHECK	J. MASON	MAY 24									
			3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24									
			4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24									
			5	16/05/24	CLIENT COMMENTS ADDRESSED			CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.			DESIGN MNGR	J. MASON	MAY 24									
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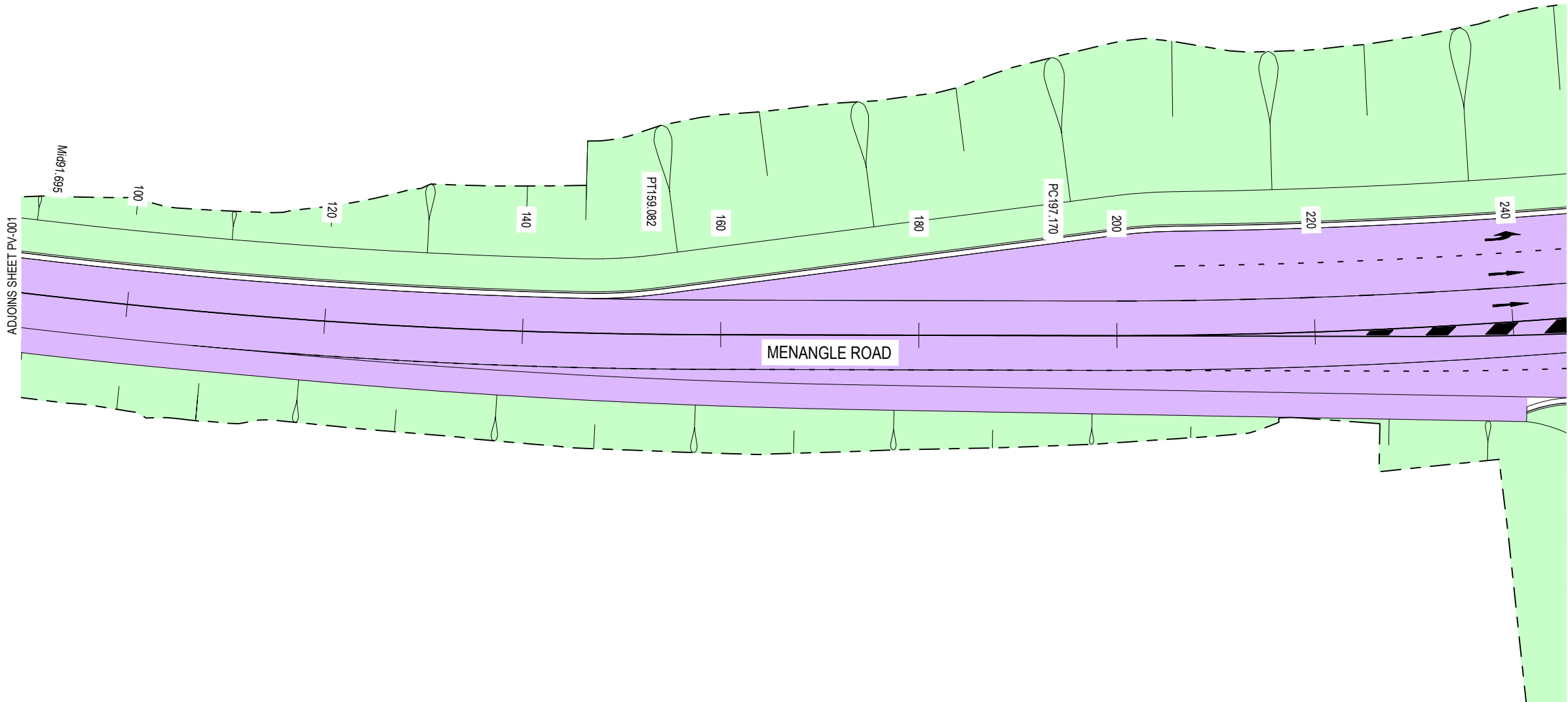


LEGEND

- | | |
|---|---|
|  | PAVEMENT TYPE 1 - MENANGLE ROAD |
|  | PAVEMENT TYPE 1A - INTERSECTION |
|  | PAVEMENT TYPE 2 - SPINE ROAD |
|  | PAVEMENT TYPE 3 - MEDIAN INFILL (SPINE ROAD) |
|  | PAVEMENT TYPE 4 - MEDIAN INFILL (MENANGLE ROAD) |
|  | PAVEMENT TYPE 5 - CONCRETE PATH |
|  | PAVEMENT TYPE 6 - BATTER AND VERGE |

NOTES

1. FOR PAVEMENT PROFILES REFER TO SHEET PV-001
2. CHECK LOCATION OF UTILITIES PRIOR TO CONSTRUCTION
3. PROVIDE 100mm TOPSOIL AND SEED BATTERS
4. REFER TO LINEMARKING, SIGNAGE AND SAFETY BARRIER PLANS, REFER TO RF-101 TO RF-106



PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD PAVEMENT PLAN		A3		
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	 PREPARED FOR ---- ----	ISSUE STATUS		SHEET No.	ISSUE
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		2	18/08/23	MINOR AMENDMENTS				HORIZONTAL SCALE 1:500m				DRG CHECK	J. MASON	MAY 24					
		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS					DESIGN			M. BAKER	MAY 24						
		4	26/03/24	MINOR AMENDMENTS					DESIGN CHECK			J. MASON	MAY 24						
		5	16/05/24	CLIENT COMMENTS ADDRESSED					DESIGN MNGR			J. MASON	MAY 24						
		6	17/05/24	MINOR AMENDMENTS					PROJECT MNGR			B. TOMIC	MAY 24						
								CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.									

LEGEND

- PAVEMENT TYPE 1 - MENANGLE ROAD
- PAVEMENT TYPE 1A - INTERSECTION
- PAVEMENT TYPE 2 - SPINE ROAD
- PAVEMENT TYPE 3 - MEDIAN INFILL (SPINE ROAD)
- PAVEMENT TYPE 4 - MEDIAN INFILL (MENANGLE ROAD)
- PAVEMENT TYPE 5 - CONCRETE PATH
- PAVEMENT TYPE 6 - BATTER AND VERGE

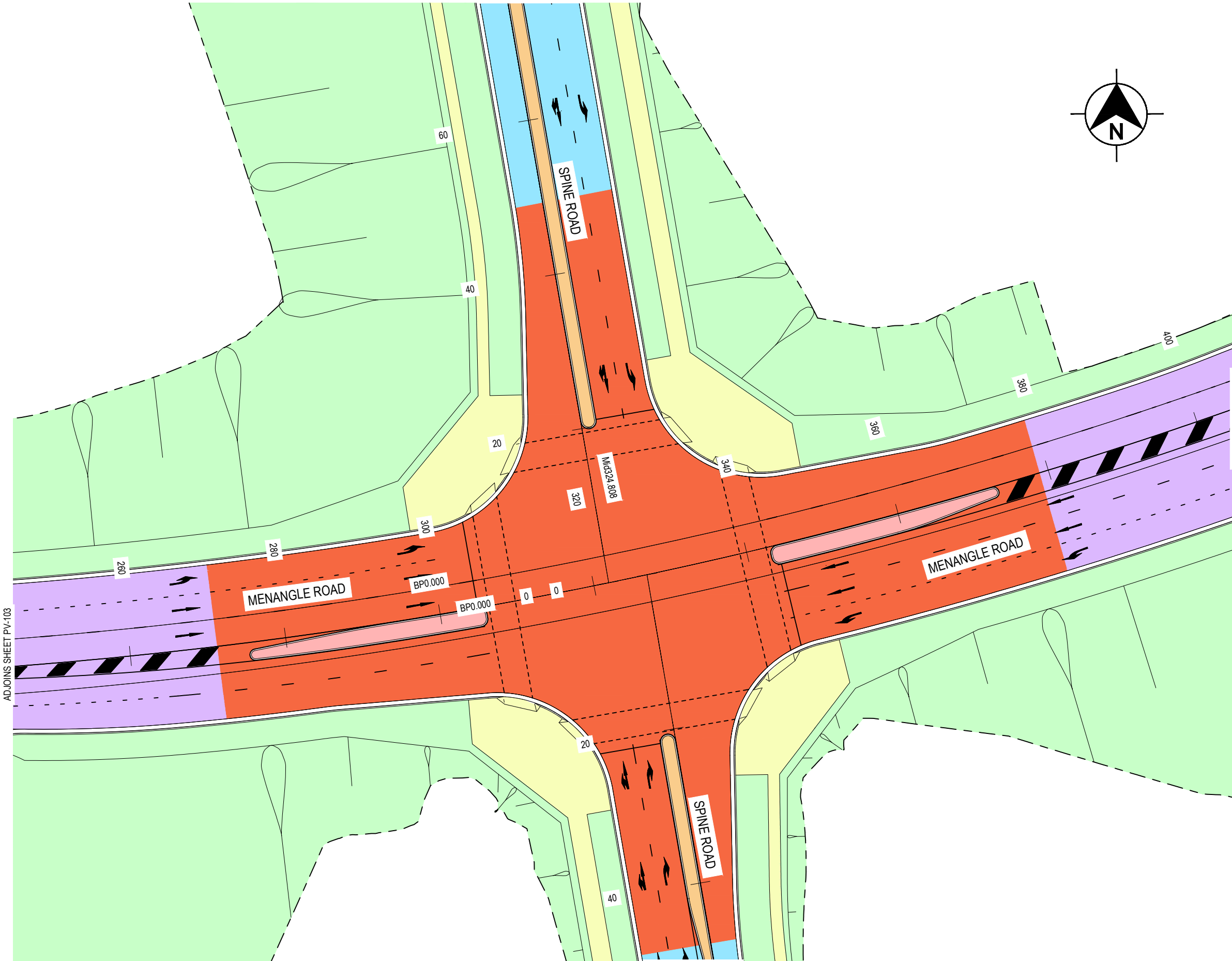
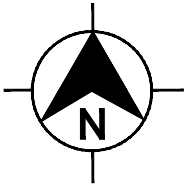
NOTES

1. FOR PAVEMENT PROFILES REFER TO SHEET PV-001
2. CHECK LOCATION OF UTILITIES PRIOR TO CONSTRUCTION
3. PROVIDE 100mm TOPSOIL AND SEED BATTERS
4. REFER TO LINEMARKING, SIGNAGE AND SAFETY BARRIER PLANS, REFER TO RF-101 TO RF-106

PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

ADJOINS SHEET PV-105

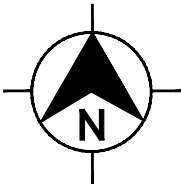


ADJOINS SHEET PV-106

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50mm ON A3 SIZE ORIGINAL

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		 CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD PAVEMENT PLAN		A3	
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY					TITLE	NAME
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		2	18/08/23	MINOR AMENDMENTS									DRG CHECK	J. MASON	MAY 24	
		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS				DESIGN	M. BAKER	MAY 24						
		4	26/03/24	MINOR AMENDMENTS				DESIGN CHECK	J. MASON	MAY 24						
		5	16/05/24	CLIENT COMMENTS ADDRESSED				DESIGN MNGR	J. MASON	MAY 24						
		6	17/05/24	MINOR AMENDMENTS				PROJECT MNGR	B. TOMIC	MAY 24						
								CO-ORDINATE SYSTEM		HEIGHT DATUM		PREPARED FOR				
								MGA ZONE 55 (GDA2020)		A.H.D.		-----				

												ISSUE STATUS				
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												SHEET No.		ISSUE		
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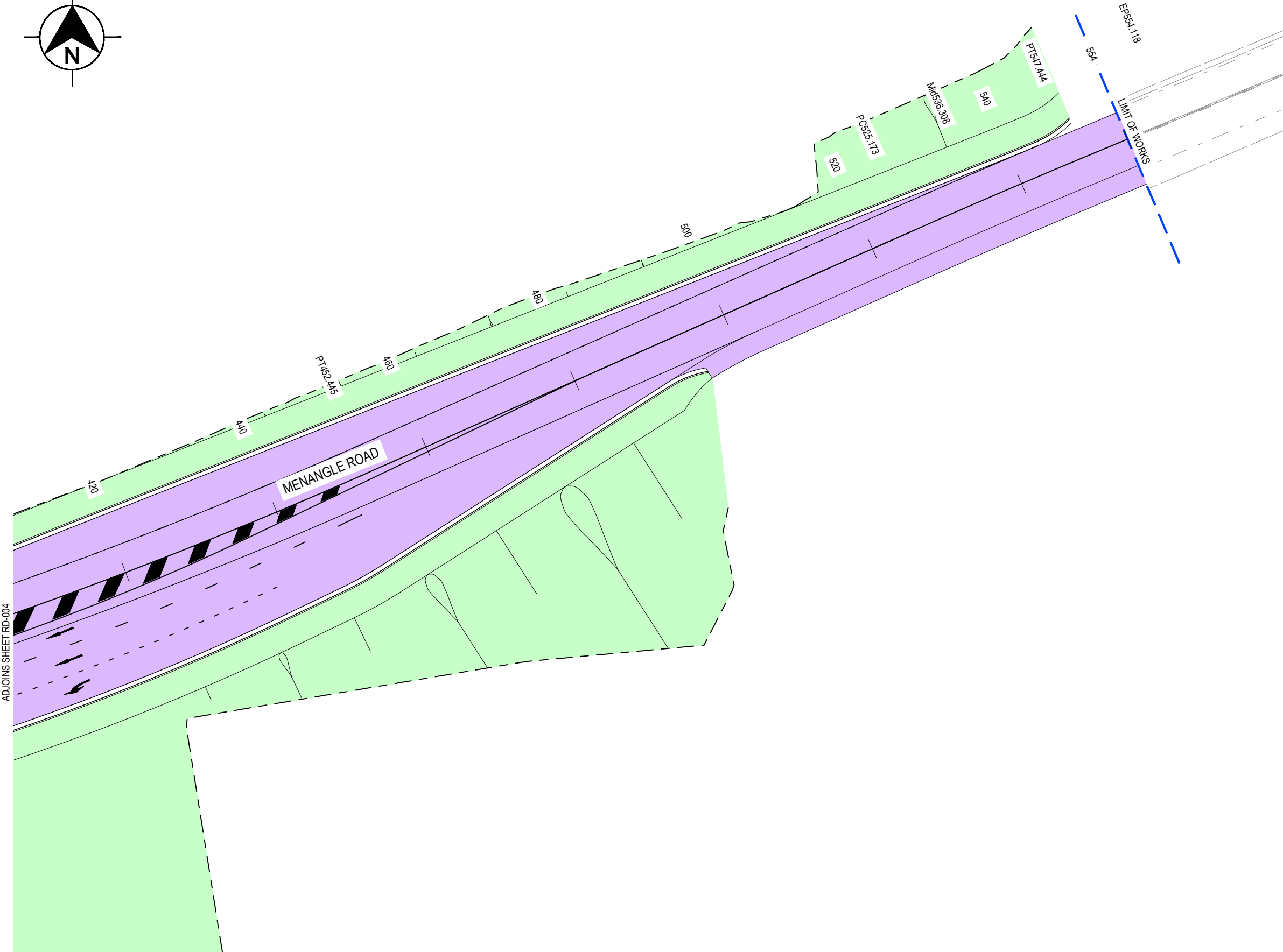


LEGEND

- PAVEMENT TYPE 1 - MENANGLE ROAD
- PAVEMENT TYPE 1A - INTERSECTION
- PAVEMENT TYPE 2 - SPINE ROAD
- PAVEMENT TYPE 3 - MEDIAN INFILL (SPINE ROAD)
- PAVEMENT TYPE 4 - MEDIAN INFILL (MENANGLE ROAD)
- PAVEMENT TYPE 5 - CONCRETE PATH
- PAVEMENT TYPE 6 - BATTER AND VERGE

NOTES

- FOR PAVEMENT PROFILES REFER TO SHEET PV-001
- CHECK LOCATION OF UTILITIES PRIOR TO CONSTRUCTION
- PROVIDE 100mm TOPSOIL AND SEED BATTERS
- REFER TO LINEMARKING, SIGNAGE AND SAFETY BARRIER PLANS, REFER TO RF-101 TO RF-106



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50mm ON A3 SIZE ORIGINAL

DRAWING FILE LOCATION / NAME						DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY					CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD PAVEMENT PLAN		A3	
EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY			TITLE					NAME	DATE
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						CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.					DESIGN CHECK	J. MASON	MAY 24						
													DESIGN MNGR	J. MASON	MAY 24						
													PROJECT MNGR	B. TOMIC	MAY 24						

LEGEND

- PAVEMENT TYPE 1 - MENANGLE ROAD
- PAVEMENT TYPE 1A - INTERSECTION
- PAVEMENT TYPE 2 - SPINE ROAD
- PAVEMENT TYPE 3 - MEDIAN INFILL (SPINE ROAD)
- PAVEMENT TYPE 4 - MEDIAN INFILL (MENANGLE ROAD)
- PAVEMENT TYPE 5 - CONCRETE PATH
- PAVEMENT TYPE 6 - BATTER AND VERGE

NOTES

1.

FOR PAVEMENT PROFILES REFER TO SHEET PV-001
2.

CHECK LOCATION OF UTILITIES PRIOR TO CONSTRUCTION
3.

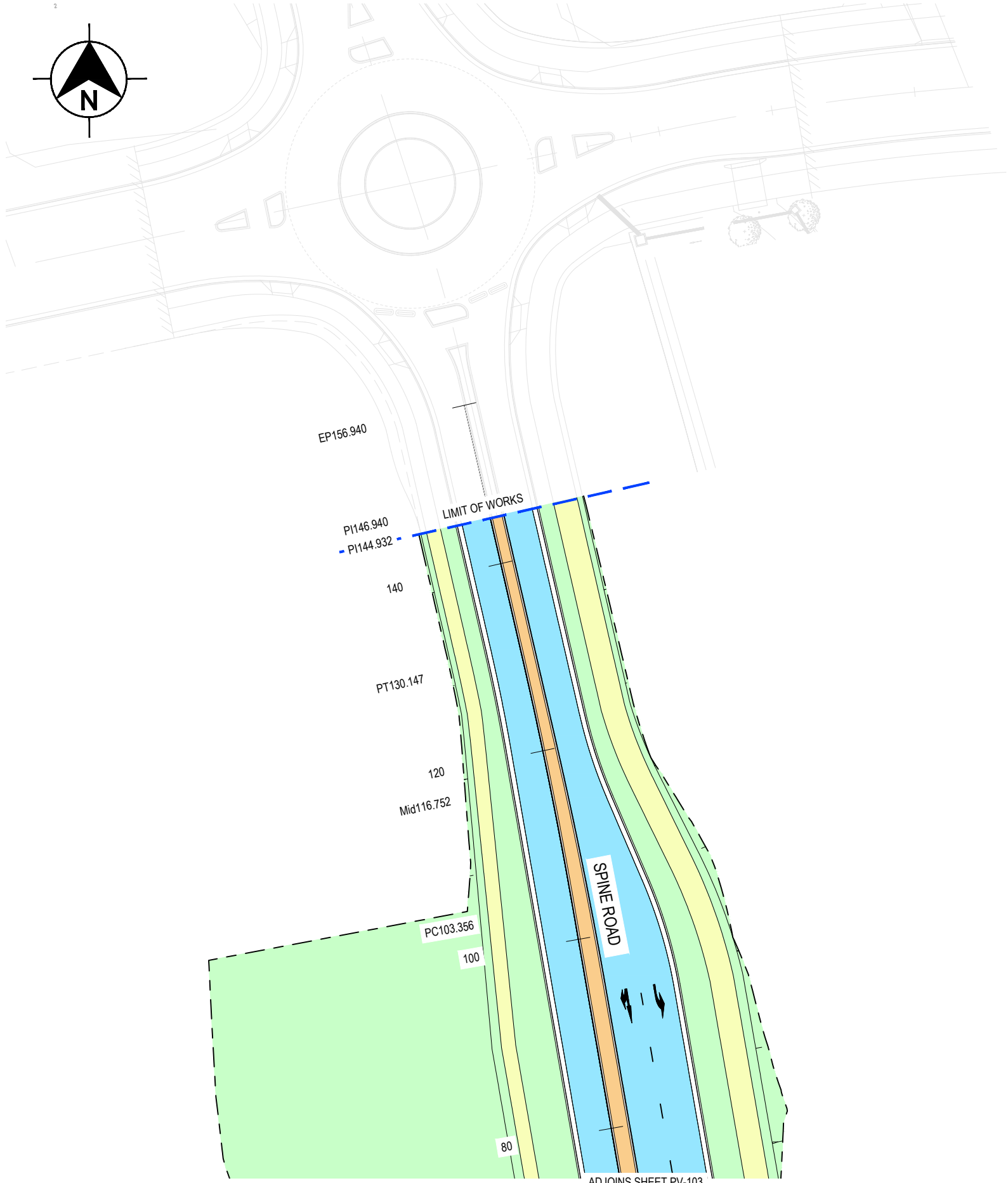
PROVIDE 100mm TOPSOIL AND SEED BATTERS
4.

REFER TO LINEMARKING, SIGNAGE AND SAFETY BARRIER PLANS, REFER TO RF-101 TO RF-106

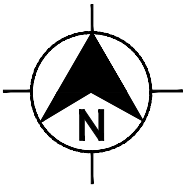
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0 5 10 15 20 25 30 35 40 45 50mm ON A3 SIZE ORIGINAL



DRAWING FILE LOCATION / NAME					DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME		PLOT BY		 CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD PAVEMENT PLAN		A3						
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY				TITLE	NAME	DATE				
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			3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24						
			4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24						
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			6	17/05/24	MINOR AMENDMENTS				PROJECT MNGR	B. TOMIC	MAY 24										
									CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.		PREPARED FOR ----			ISSUE STATUS NOT FOR CONSTRUCTION		SHEET No. PV-105		ISSUE 6	



LEGEND

- PAVEMENT TYPE 1 - MENANGLE ROAD
- PAVEMENT TYPE 1A - INTERSECTION
- PAVEMENT TYPE 2 - SPINE ROAD
- PAVEMENT TYPE 3 - MEDIAN INFILL (SPINE ROAD)
- PAVEMENT TYPE 4 - MEDIAN INFILL (MENANGLE ROAD)
- PAVEMENT TYPE 5 - CONCRETE PATH
- PAVEMENT TYPE 6 - BATTER AND VERGE

NOTES

1.

FOR PAVEMENT PROFILES REFER TO SHEET PV-001
2.

CHECK LOCATION OF UTILITIES PRIOR TO CONSTRUCTION
3.

PROVIDE 100mm TOPSOIL AND SEED BATTERS
4.

REFER TO LINEMARKING, SIGNAGE AND SAFETY BARRIER PLANS, REFER TO RF-101 TO RF-106

ADJOINS SHEET RD-103

60

PC63.962

Mid79.070

80

PT94.178

100

PC125.435

120

SPINE ROAD

LIMIT OF WORKS

Mid132.666

EP139.898

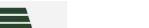
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ROAD 02a

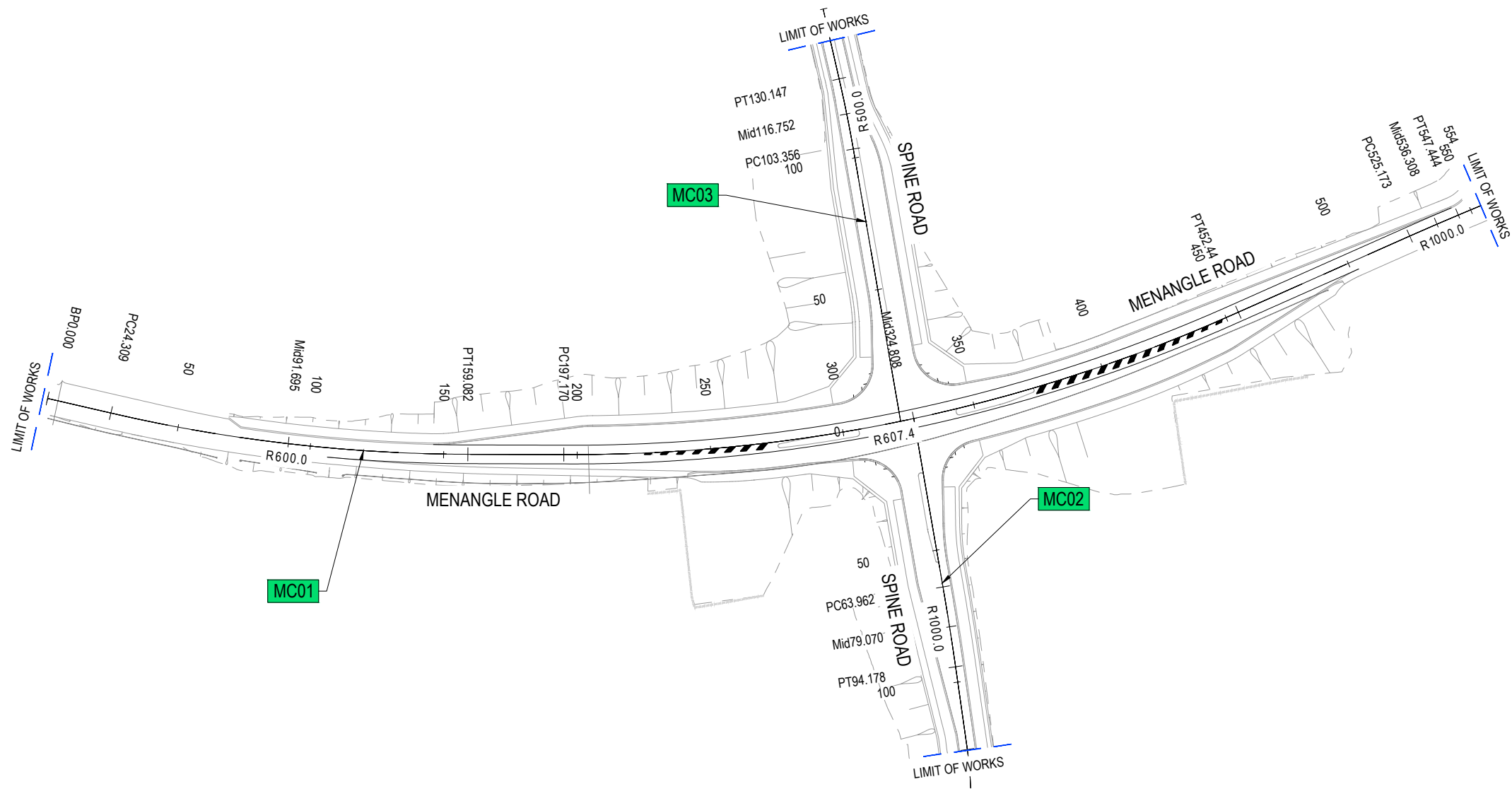
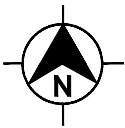
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50mm ON A3 SIZE ORIGINAL

DRAWING FILE LOCATION / NAME						DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				PLOT DATE / TIME			PLOT BY					CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD PAVEMENT PLAN				A3	
EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION			WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING			DRAWINGS / DESIGN PREPARED BY										TITLE	NAME
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MASTER CONTROL STRING LABEL



PLAN

PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

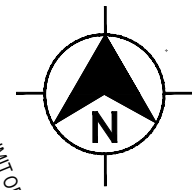
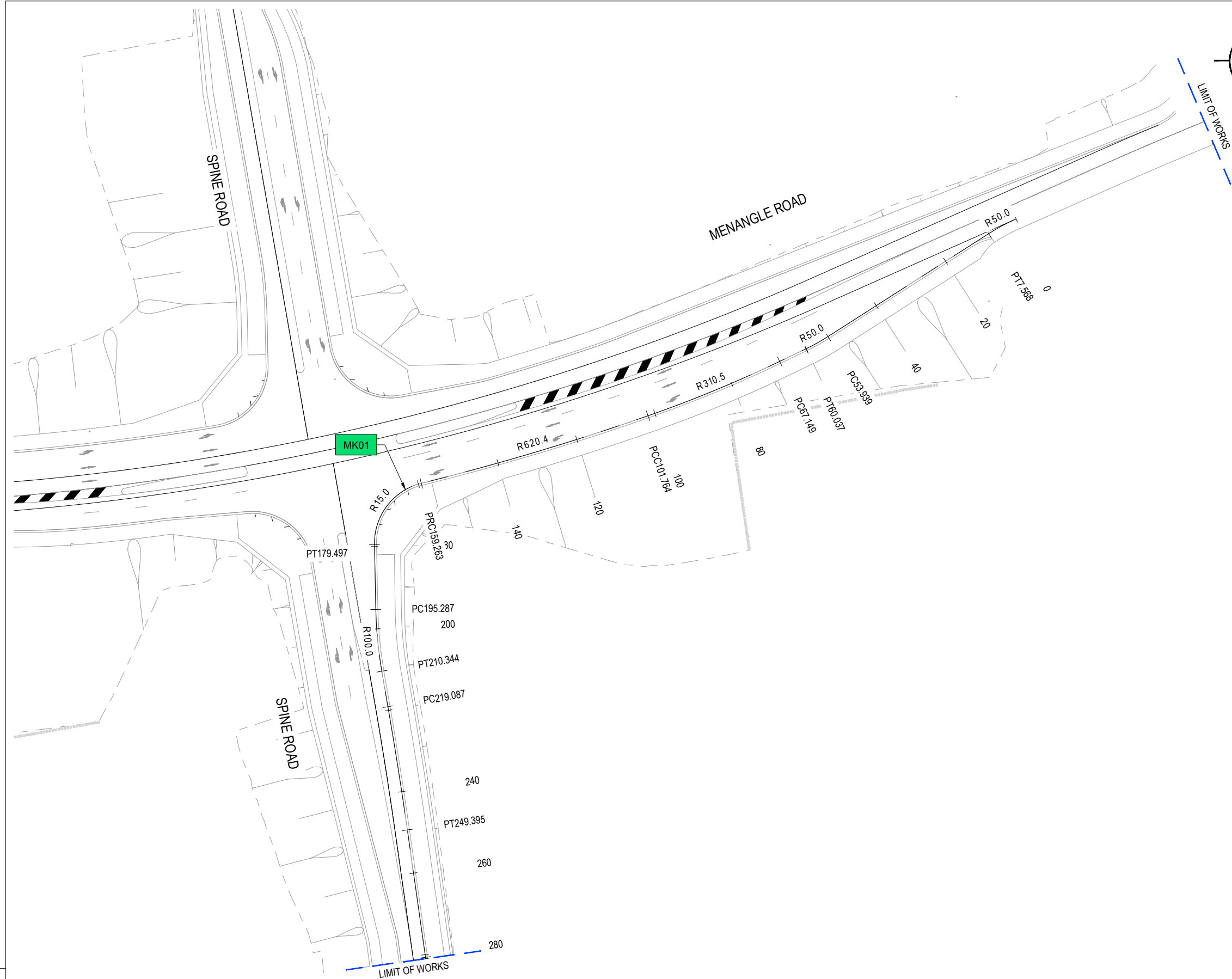
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EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	 PREPARED FOR -----							
		1	03/08/23	FIRST ISSUE				0 5 10 15 20 HORIZONTAL SCALE 1:500m				DRAWN	M. BAKER	MAY 24								
		2	18/08/23	MINOR AMENDMENTS								DRG CHECK	J. MASON	MAY 24								
		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24								
		4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24								
		5	16/05/24	CLIENT COMMENTS ADDRESSED				CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.				DESIGN MNGR	J. MASON	MAY 24	ISSUE STATUS NOT FOR CONSTRUCTION		SHEET No. RA-001		ISSUE 6	
		6	17/05/24	MINOR AMENDMENTS										PROJECT MNGR	B. TOMIC	MAY 24						

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

0	5	10	15	20	25	30	35	40	45	50mm ON A3 SIZE ORIGINAL
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THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

0 5 10 15 20 25 30 35 40 45 50mm ON A3 SIZE ORIGINAL



LEGEND

MC10

MASTER CONTROL STRING LABEL

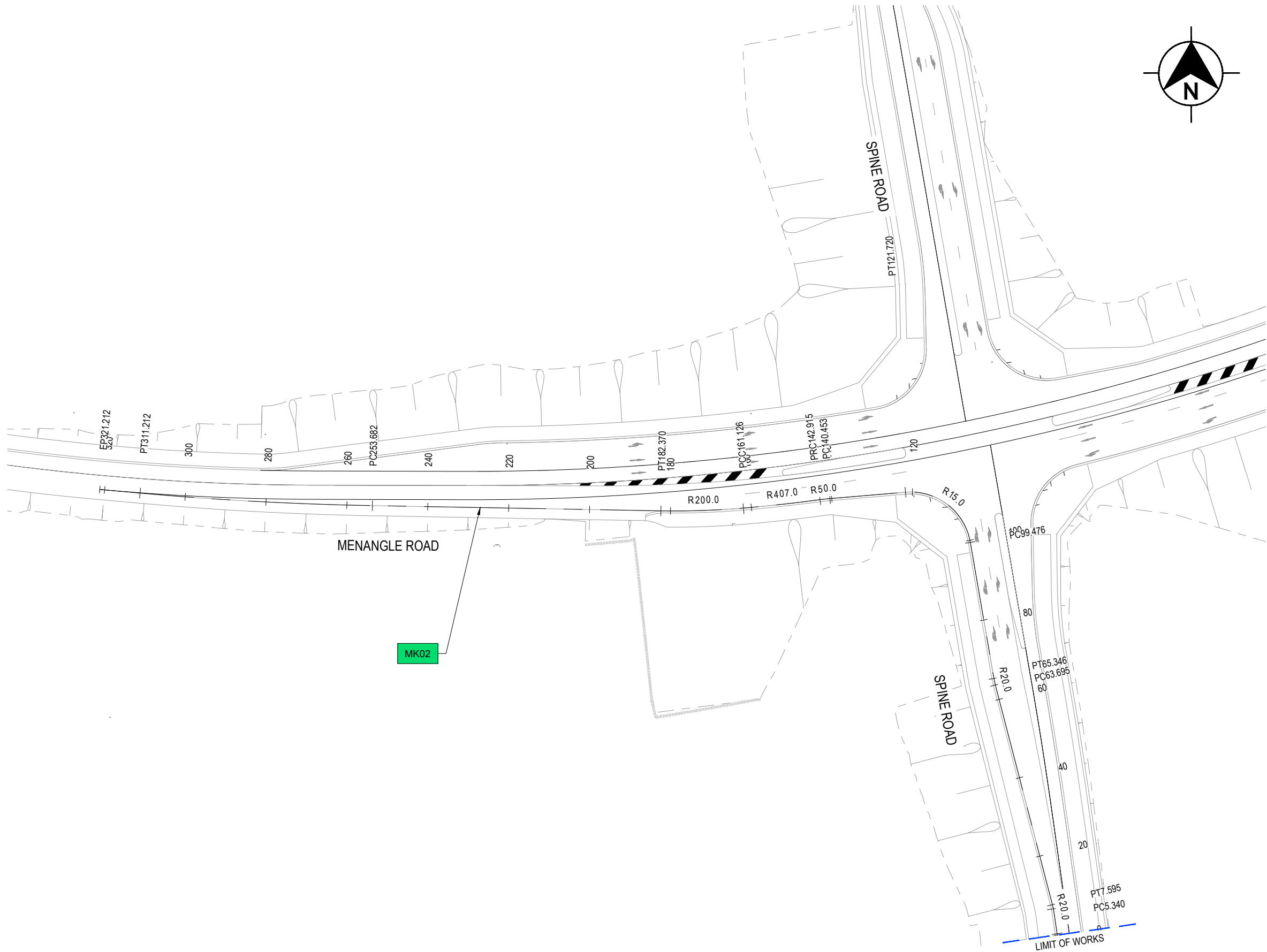
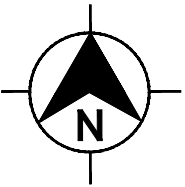


PLAN- MK01

PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME		PLOT BY			CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD KERB ALIGNMENT PLAN	A3				
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY					TITLE	NAME	DATE	
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		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24				
		4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24				
		5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24				
		6	17/05/24	MINOR AMENDMENTS								PROJECT MNGR	B. TOMIC	MAY 24				



PLAN - MK02

PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME						DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				PLOT DATE / TIME			PLOT BY		CLIENT		 CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD KERB ALIGNMENT PLAN			A3	
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	PREPARED FOR		ISSUE STATUS				SHEET No.	
			1	03/08/23	FIRST ISSUE				010203040 HORIZONTAL SCALE 1:1000m				DRAWN	M. BAKER	MAY 24	----		NOT FOR CONSTRUCTION		RA-102		6	
			2	18/08/23	MINOR AMENDMENTS								DRG CHECK	J. MASON	MAY 24	----							
			3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24	----							
			4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24	----							
			5	16/05/24	CLIENT COMMENTS ADDRESSED				CO-ORDINATE SYSTEM		DESIGN MNGR		J. MASON	MAY 24									
			6	17/05/24	MINOR AMENDMENTS				HEIGHT DATUM		PROJECT MNGR		B. TOMIC	MAY 24									
									MGA ZONE 55 (GDA2020) A.H.D.														

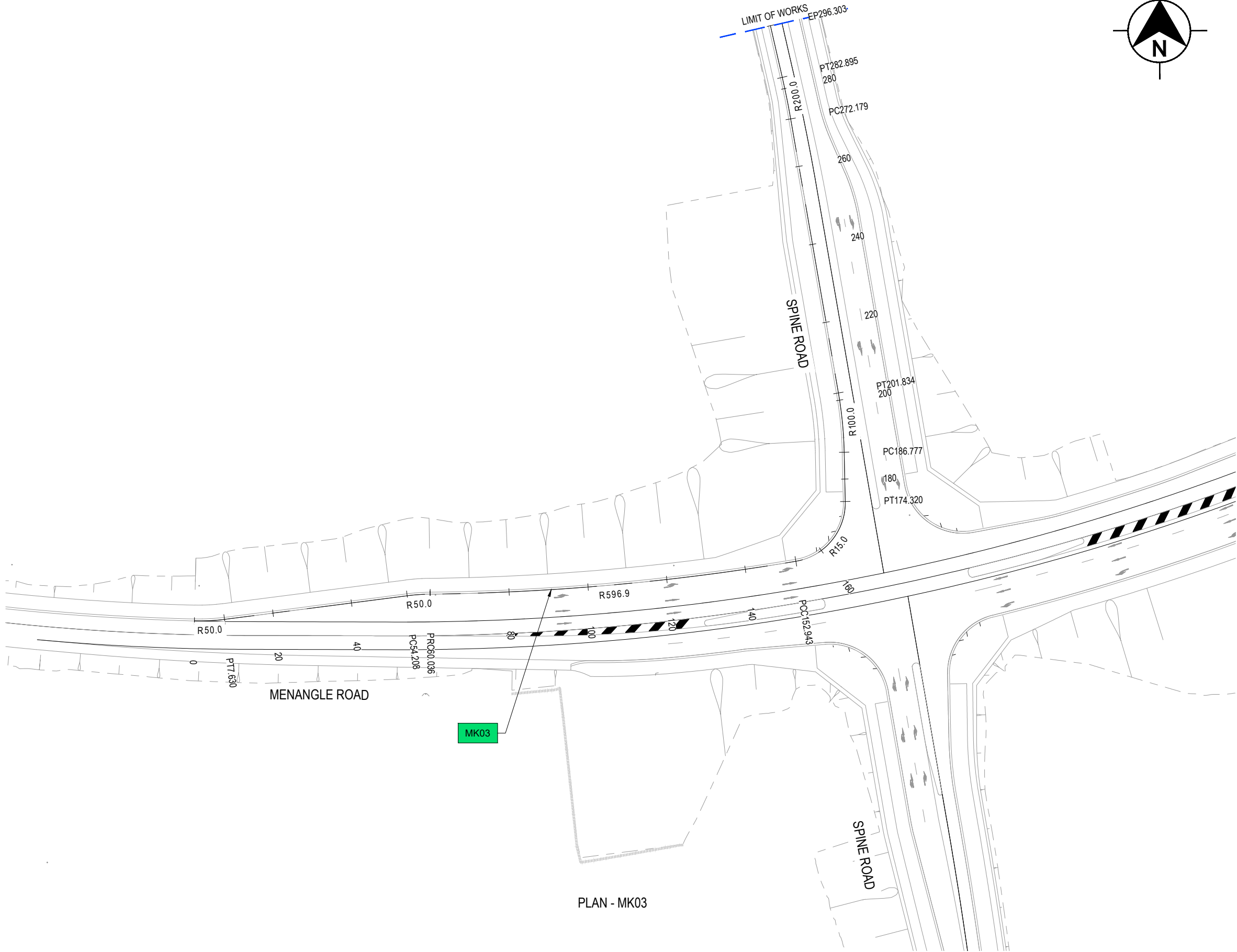
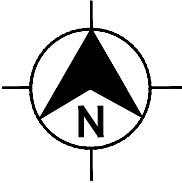
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50mm ON A3 SIZE ORIGINAL

LEGEND

MC10

MASTER CONTROL STRING LABEL



PLAN - MK03

PRODUCED IN COLOUR

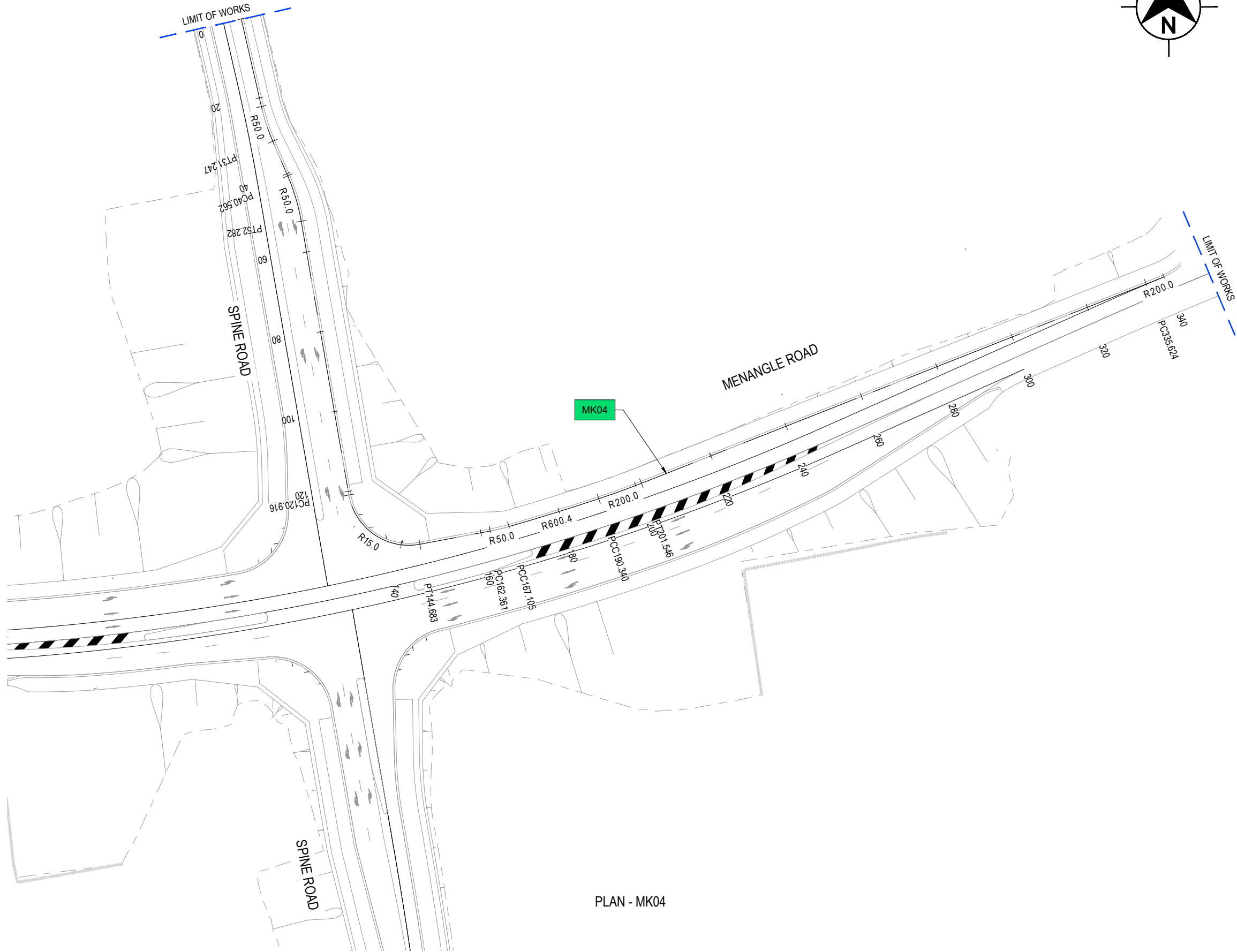
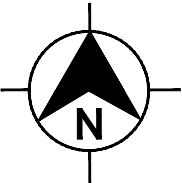
NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		 CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD KERB ALIGNMENT PLAN		A3	
EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY			TITLE	NAME
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LEGEND

MC10

MASTER CONTROL STRING LABEL



PLAN - MK04

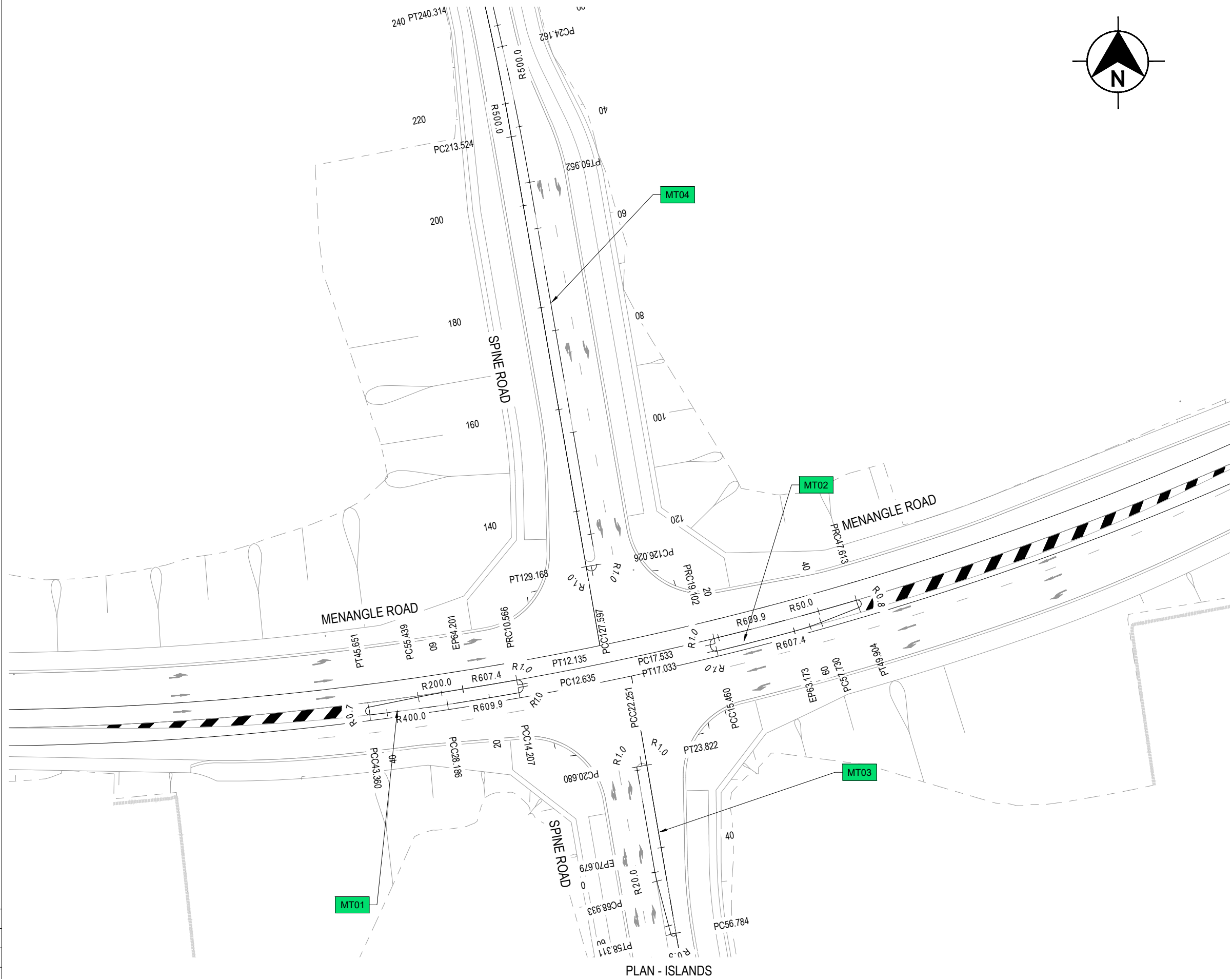
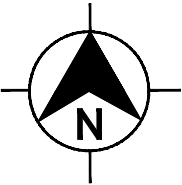
PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME						DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				PLOT DATE / TIME		PLOT BY		CLIENT				CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD KERB ALIGNMENT PLAN		A3
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	PREPARED FOR						
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			5	16/05/24	CLIENT COMMENTS ADDRESSED																	
			6	17/05/24	MINOR AMENDMENTS																	
									CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.											

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50mm ON A3 SIZE ORIGINAL



PRODUCED IN COLOUR

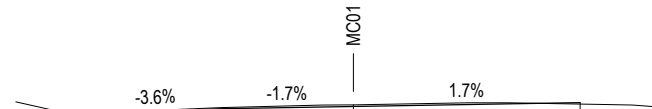
NOT FOR CONSTRUCTION

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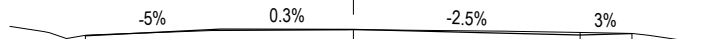
50mm ON A3 SIZE ORIGINAL

DRAWING FILE LOCATION / NAME					DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD KERB ALIGNMENT PLAN		A3	
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	 PREPARED FOR ---- ----	ISSUE STATUS NOT FOR CONSTRUCTION	SHEET No. RA-105	ISSUE 6
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			5	16/05/24	CLIENT COMMENTS ADDRESSED			DESIGN MNGR	J. MASON			MAY 24							
			6	17/05/24	MINOR AMENDMENTS			CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		PROJECT MNGR		B. TOMIC	MAY 24						
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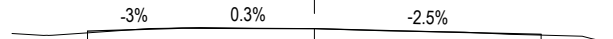
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OFFSET	-6.933	0.000	6.000

CH 40.000



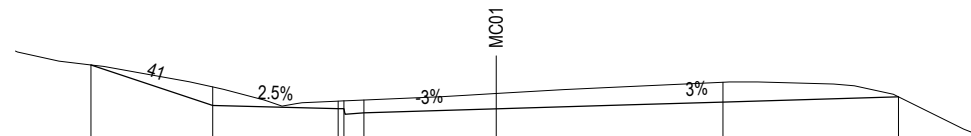
DATUM 99	CE1L	LE1L	CE1R	IA1R
DESIGN	103.178	103.345	103.195	103.237
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CH 20.000



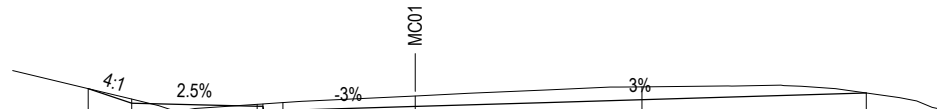
DATUM 99	CE1L	LE1L	ØERR
DESIGN	102.595	102.660	102.510
EXISTING	102.551	102.664	102.489
OFFSET	-6.000	0.000	6.000

CH 2.362



DATUM 101								
	IA1L	EH1L	CB1L	CT1L	CE1L	LE1L	CE1R	IA1R
	106.786	105.712	105.629	105.629	105.519	105.624	105.804	105.943
	106.786	106.205	105.830	105.836	105.859	106.030	106.326	105.943
	-10.720	-7.500	-4.180	-4.030	-3.500	0.000	6.000	10.642

CH 100.000



DATUM 102												
	IA1L	EH1L		CB1L	CT1L	CE1L		LE1L		CE1R		IA1R
	105.714	105.331		105.248	105.248	105.138		105.243		105.423		105.601
	105.714	105.439		105.300	105.310	105.345		105.523		105.764		105.601
	-8.649	-7.500		-4.180	-4.030	-3.500		0.000		6.000		11.936

CH 80.000



DATUM 101				
	CE1L	LE1L	CE1R	IA1R
	104.564	104.735	104.915	105.014
	104.570	104.891	105.043	105.014
	-6.374	0.000	6.000	9.295

CH 60.000

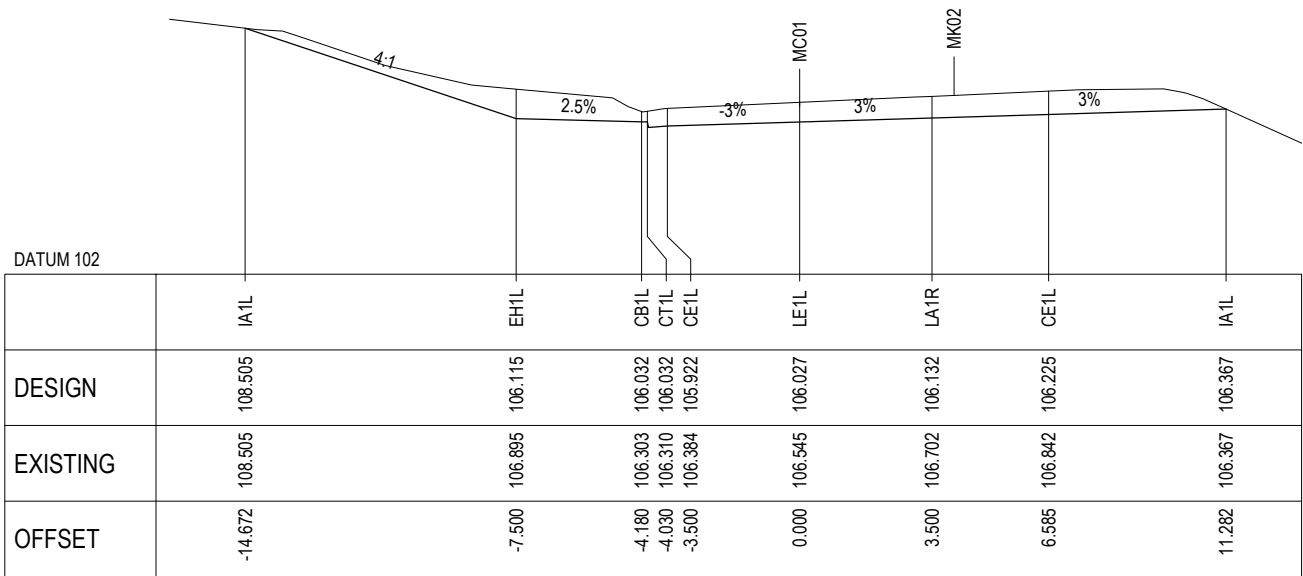
MC01- CROSS SECTIONS

PRODUCED IN COLOUR

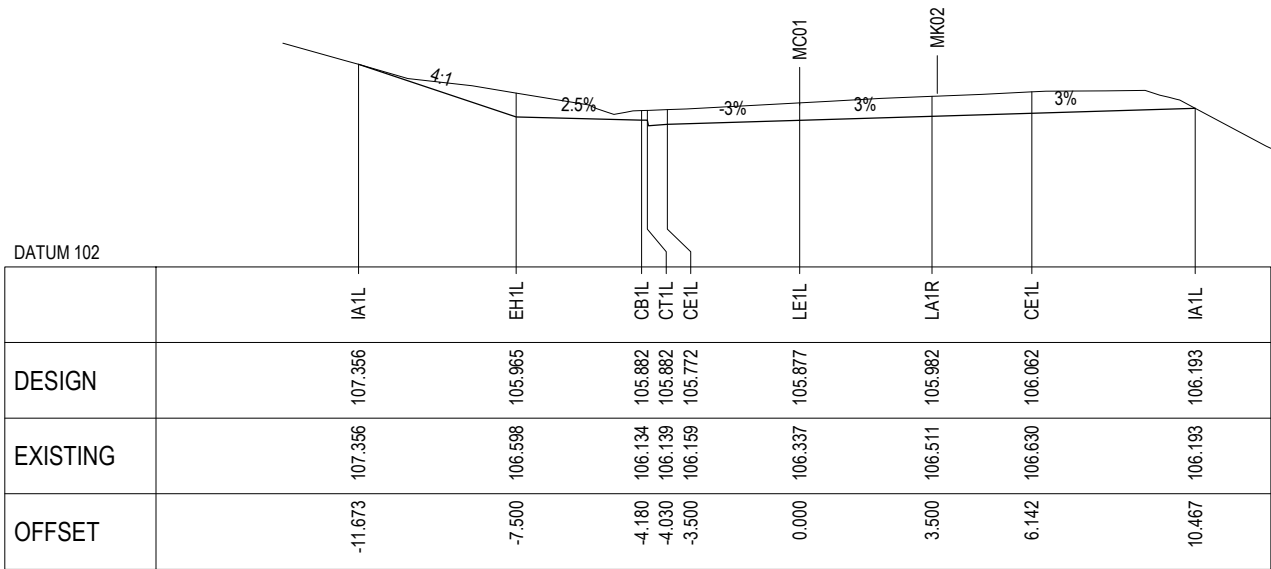
NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				PLOT DATE / TIME			PLOT BY		CLIENT  CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD CROSS SECTIONS - MC01		A3				
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE			PREPARED FOR				
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		2	18/08/23	MINOR AMENDMENTS								DRG CHECK	J. MASON	MAY 24			----				
		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24			----				
		4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24			----				
		5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24			----				
		6	17/05/24	MINOR AMENDMENTS								PROJECT MNGR	B. TOMIC	MAY 24			----				
								CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.						ISSUE STATUS NOT FOR CONSTRUCTION		SHEET No. RC-101		ISSUE 6	

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50mm ON A3 SIZE ORIGINAL



CH 140.000



CH 120.000

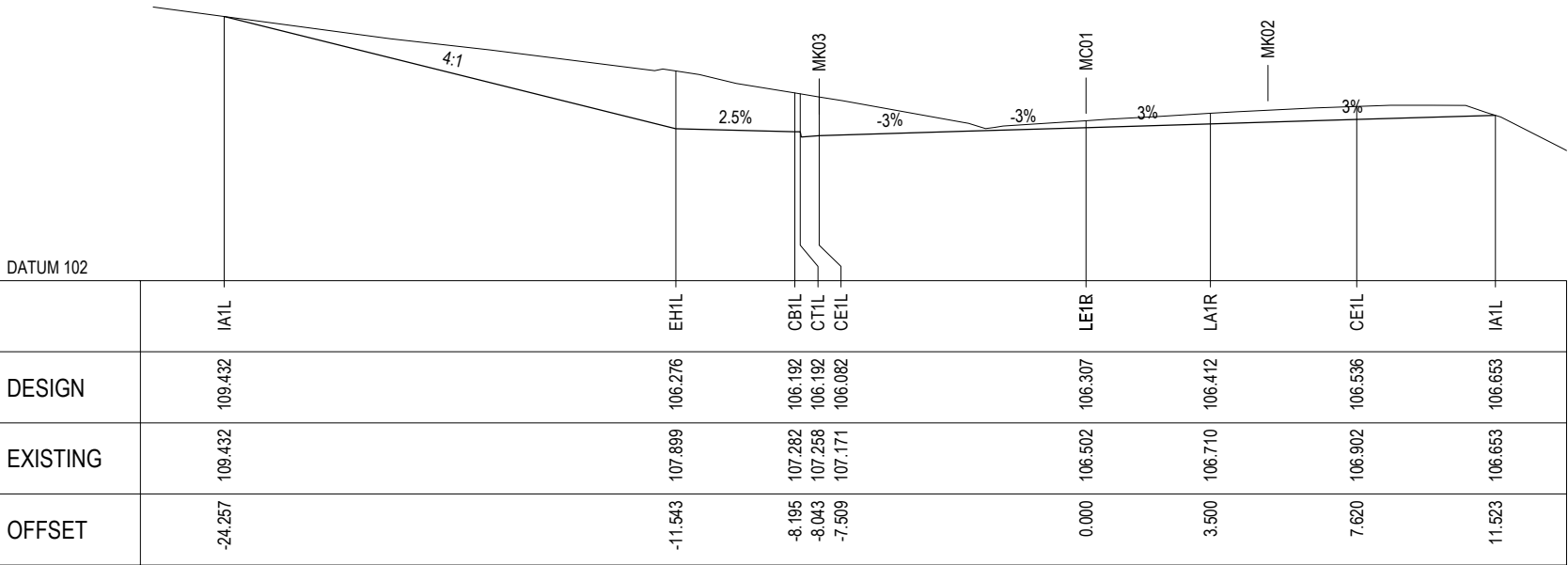
MC01- CROSS SECTIONS

PRODUCED IN COLOUR

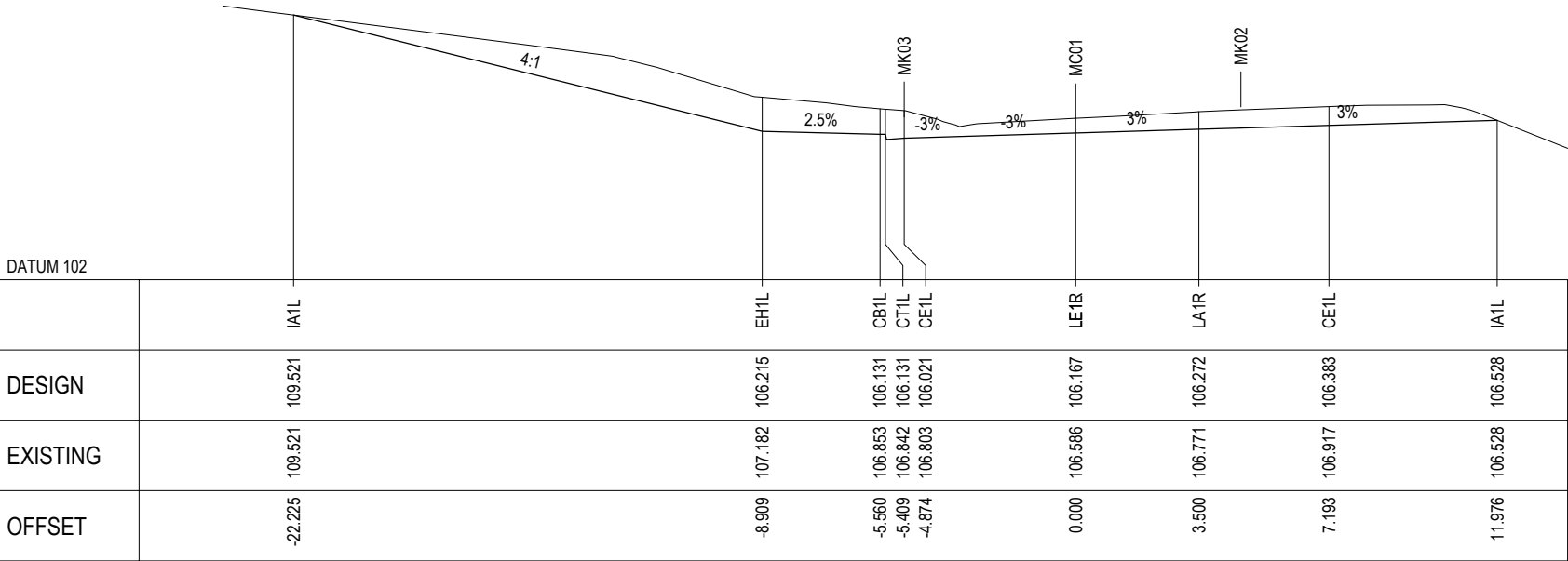
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THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED
50mm ON A3 SIZE ORIGINAL

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME		PLOT BY			CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD CROSS SECTIONS - MC01	A3					
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY				TITLE	NAME	DATE		
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			2	18/08/23	MINOR AMENDMENTS										DRG CHECK	J. MASON	MAY 24		
			3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS										DESIGN	M. BAKER	MAY 24		
			4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24				
			5	16/05/24	CLIENT COMMENTS ADDRESSED				CO-ORDINATE SYSTEM		HEIGHT DATUM		DESIGN MNGR	J. MASON	MAY 24				
			6	17/05/24	MINOR AMENDMENTS				MGA ZONE 55 (GDA2020) A.H.D.				PROJECT MNGR	B. TOMIC	MAY 24				
												PREPARED FOR				ISSUE STATUS	SHEET No.		ISSUE
												----				NOT FOR CONSTRUCTION	RC-102		6



CH 180.000



CH 160.000

MC01- CROSS SECTIONS

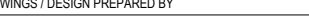
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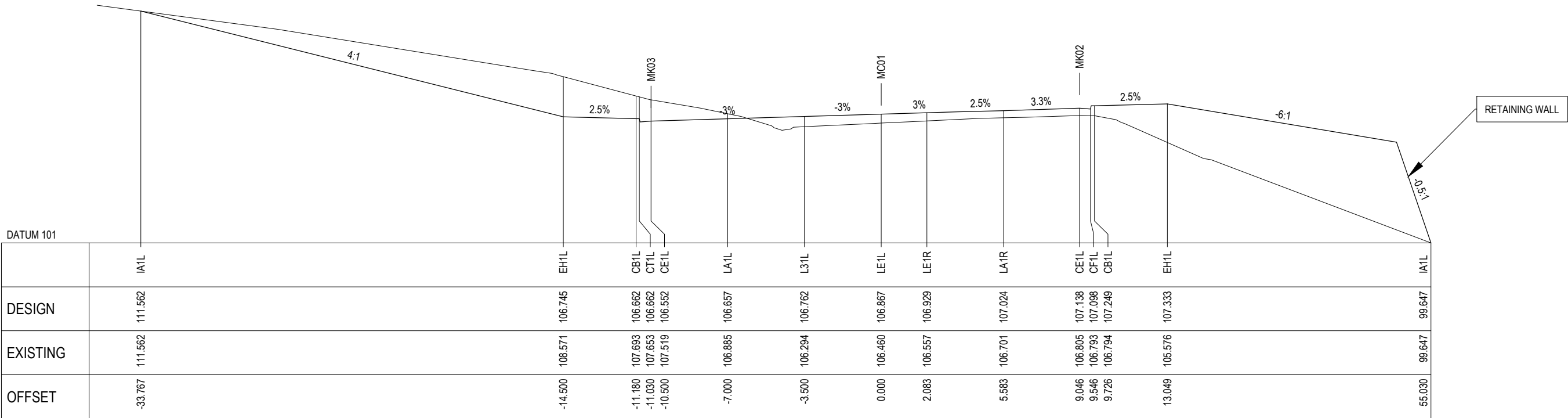
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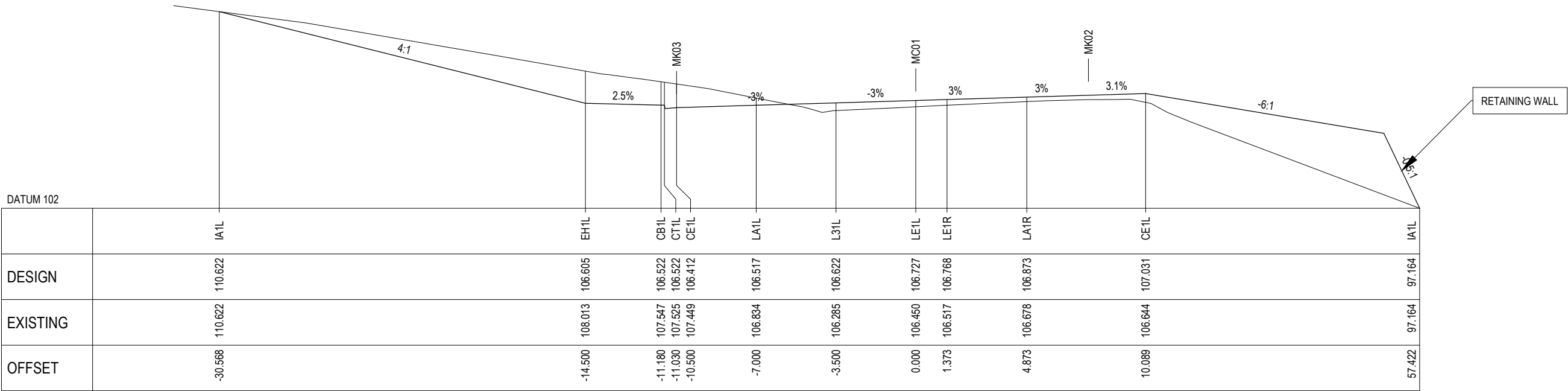
DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		 CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD CROSS SECTIONS - MC01		A3		
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE			NAME	DATE	
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		5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24			
6	17/05/24	MINOR AMENDMENTS		PROJECT MNGR	B. TOMIC	MAY 24											
								CO-ORDINATE SYSTEM		HEIGHT DATUM		PREPARED FOR					
								MGA ZONE 55 (GDA2020)		A.H.D.		-----					

												ISSUE STATUS		SHEET No.		ISSUE	
												NOT FOR CONSTRUCTION		RC-103		6	

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY			CLIENT 		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD CROSS SECTIONS - MC01			A3				
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		VWR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY			TITLE								NAME	DATE	
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CH 260.000



CH 240.000

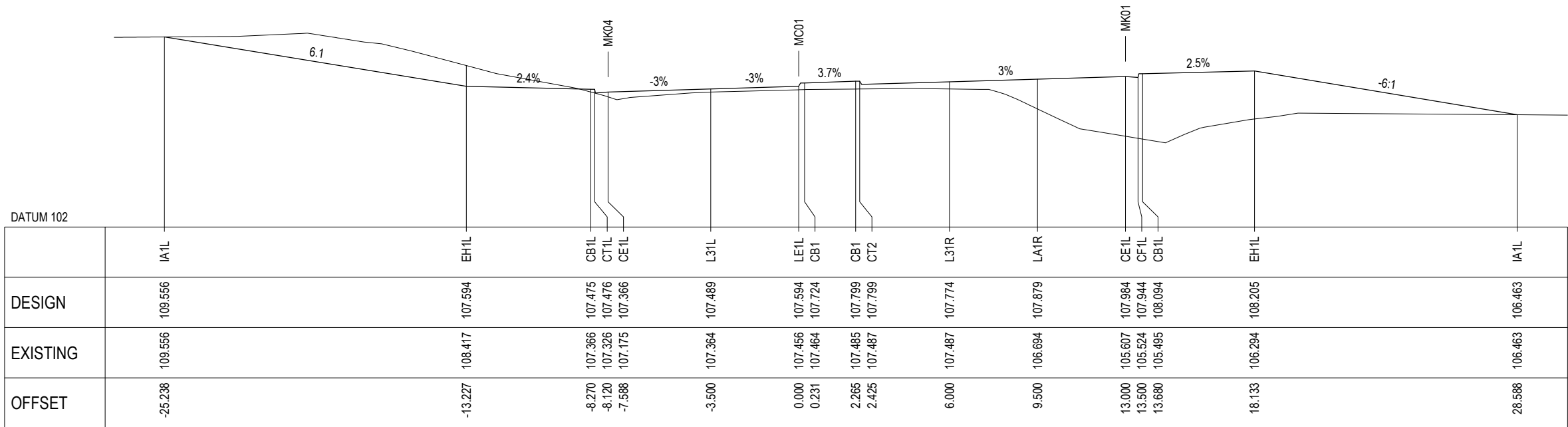
MC01- CROSS SECTIONS

PRODUCED IN COLOUR

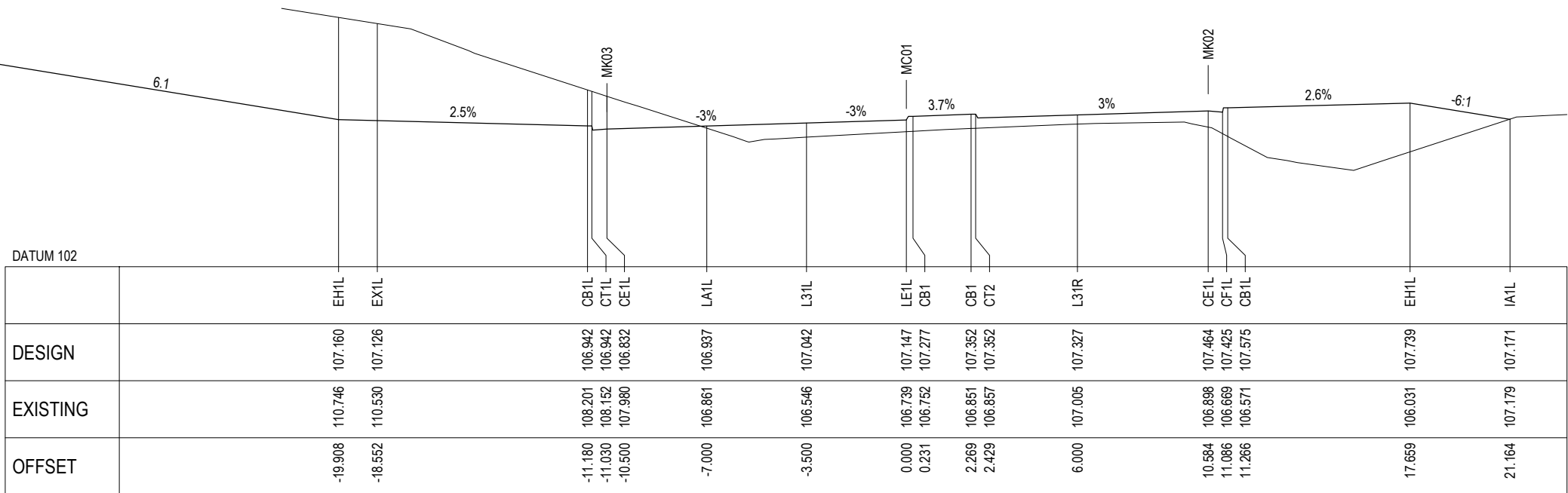
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DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD CROSS SECTIONS - MC01		A3				
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	 PREPARED FOR ----- -----		ISSUE STATUS NOT FOR CONSTRUCTION		SHEET No.		ISSUE
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		2	18/08/23	MINOR AMENDMENTS								DRG CHECK	J. MASON	MAY 24							
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CH 360.000



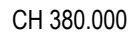
CH 300.000

MC01- CROSS SECTIONS

PRODUCED IN COLOUR

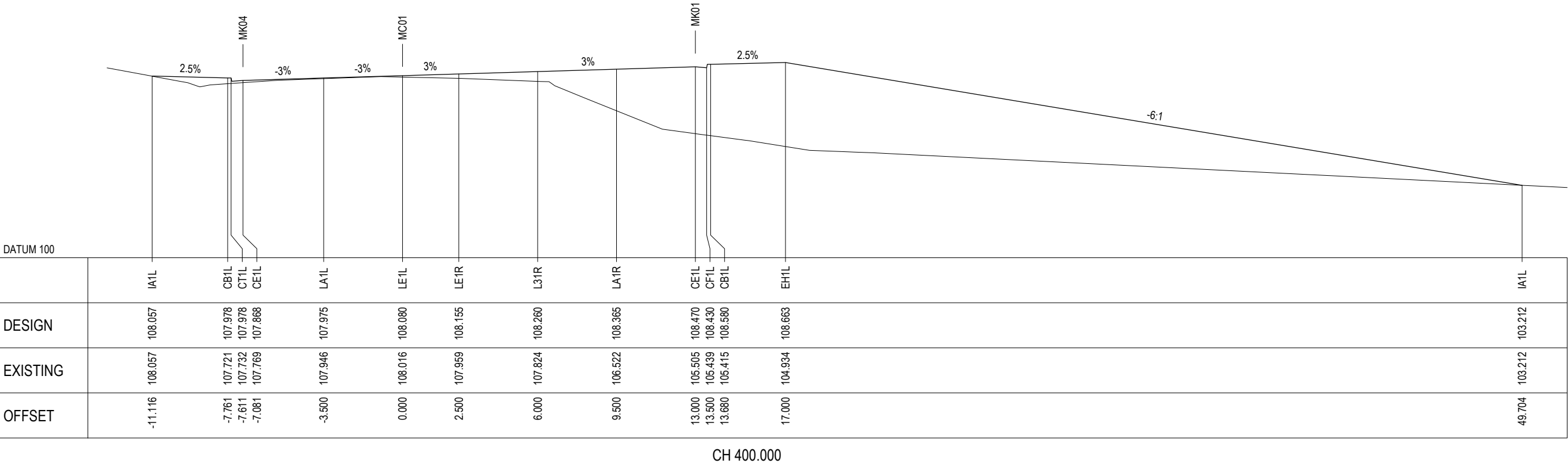
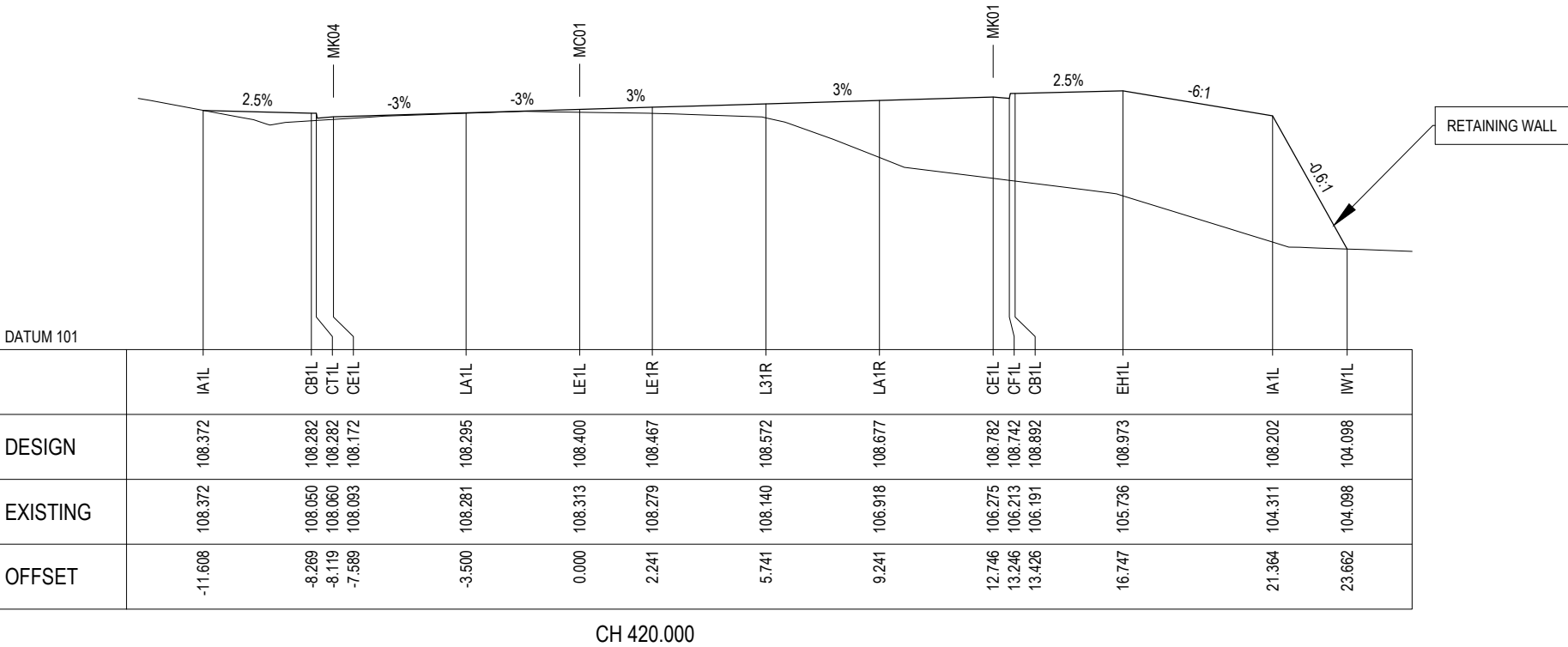
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DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD CROSS SECTIONS - MC01		A3		
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE			PREPARED FOR		ISSUE STATUS
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NOT FOR CONSTRUCTION

ISSUE
6



MC01- CROSS SECTIONS

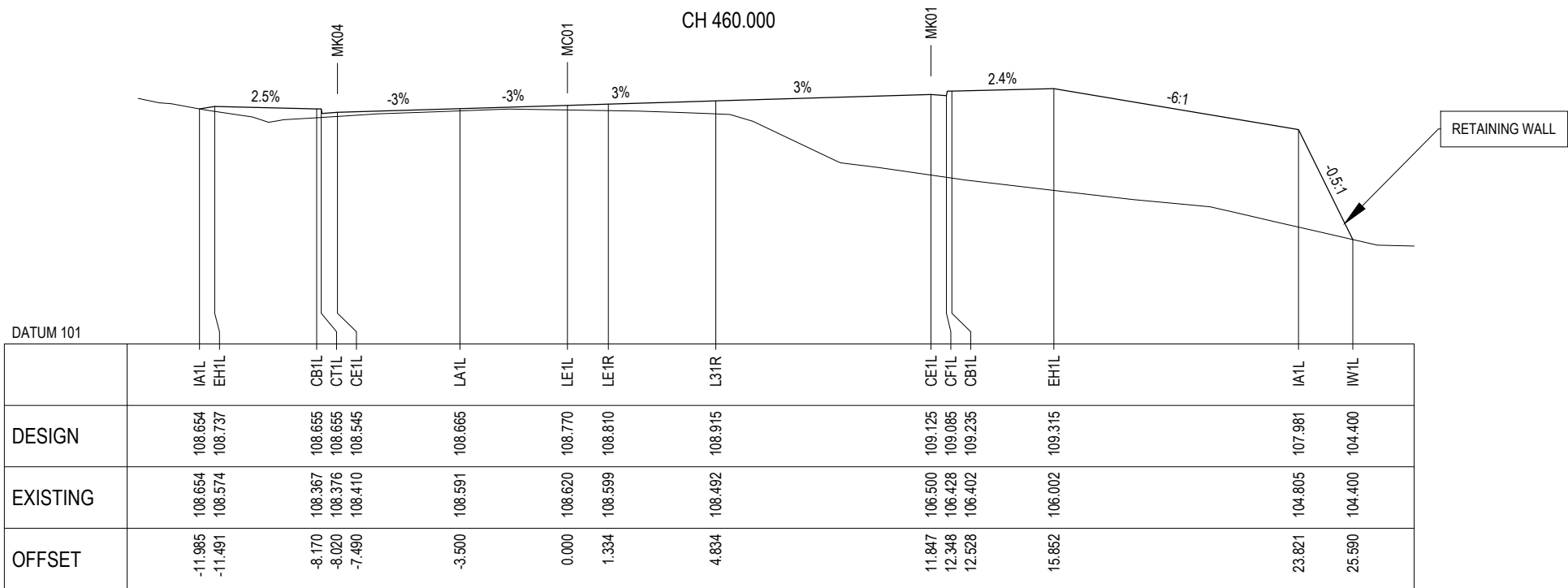
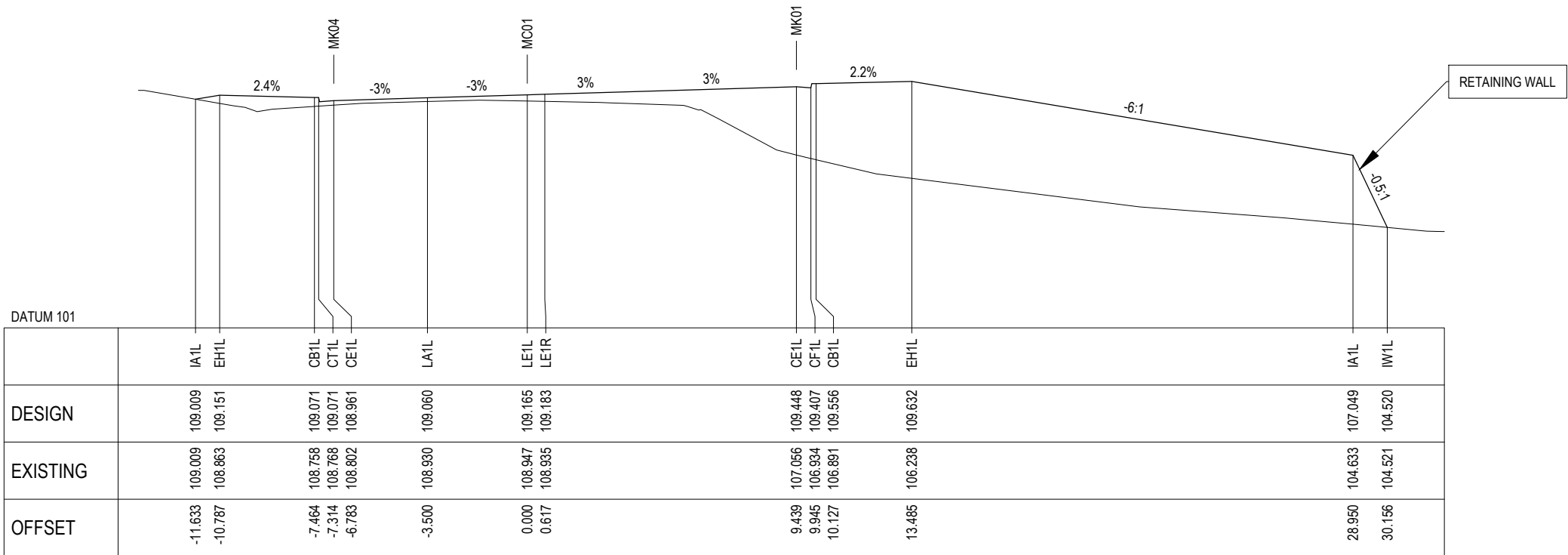
PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD CROSS SECTIONS - MC01		A3				
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	 PREPARED FOR ----- -----	ISSUE STATUS NOT FOR CONSTRUCTION		SHEET No. RC-108		ISSUE 6	
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								DESIGN MNGR	J. MASON	MAY 24											
								PROJECT MNGR	B. TOMIC	MAY 24											
								CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020) A.H.D.													

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50mm ON A3 SIZE ORIGINAL



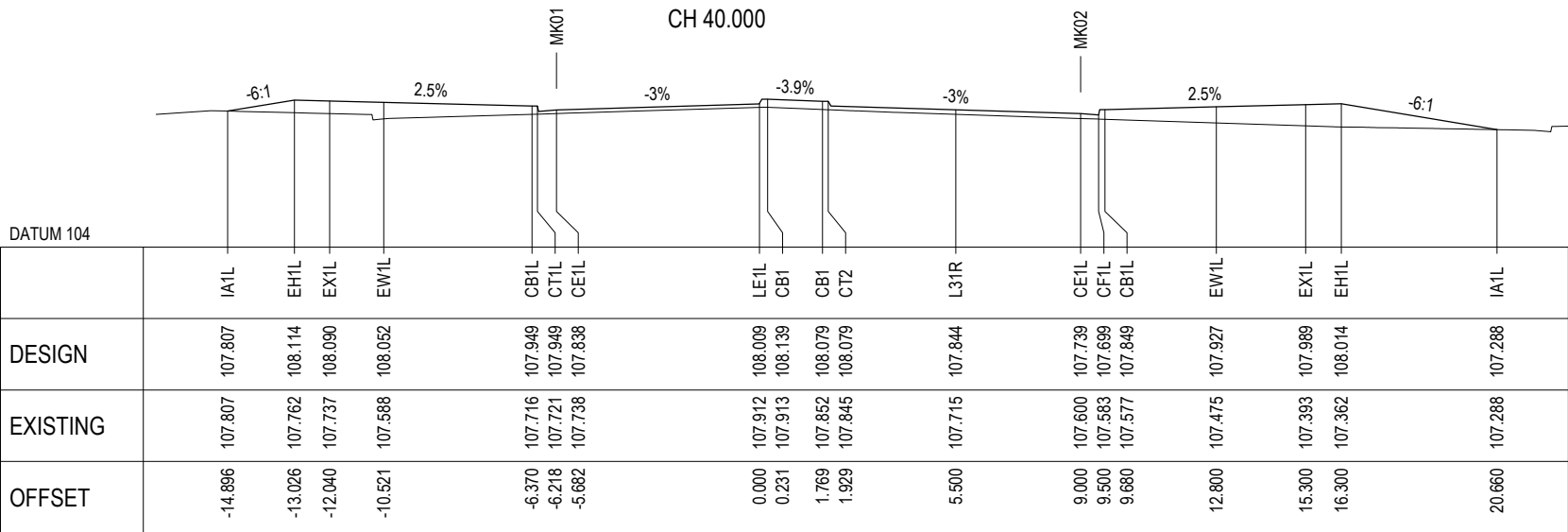
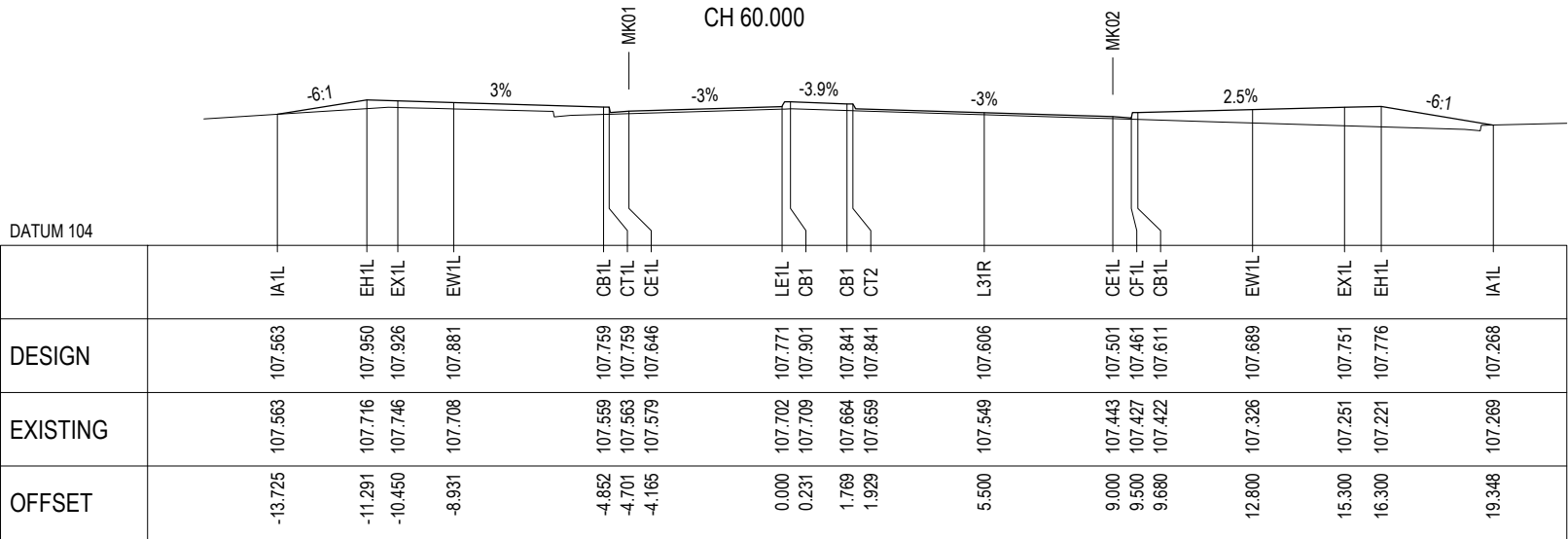
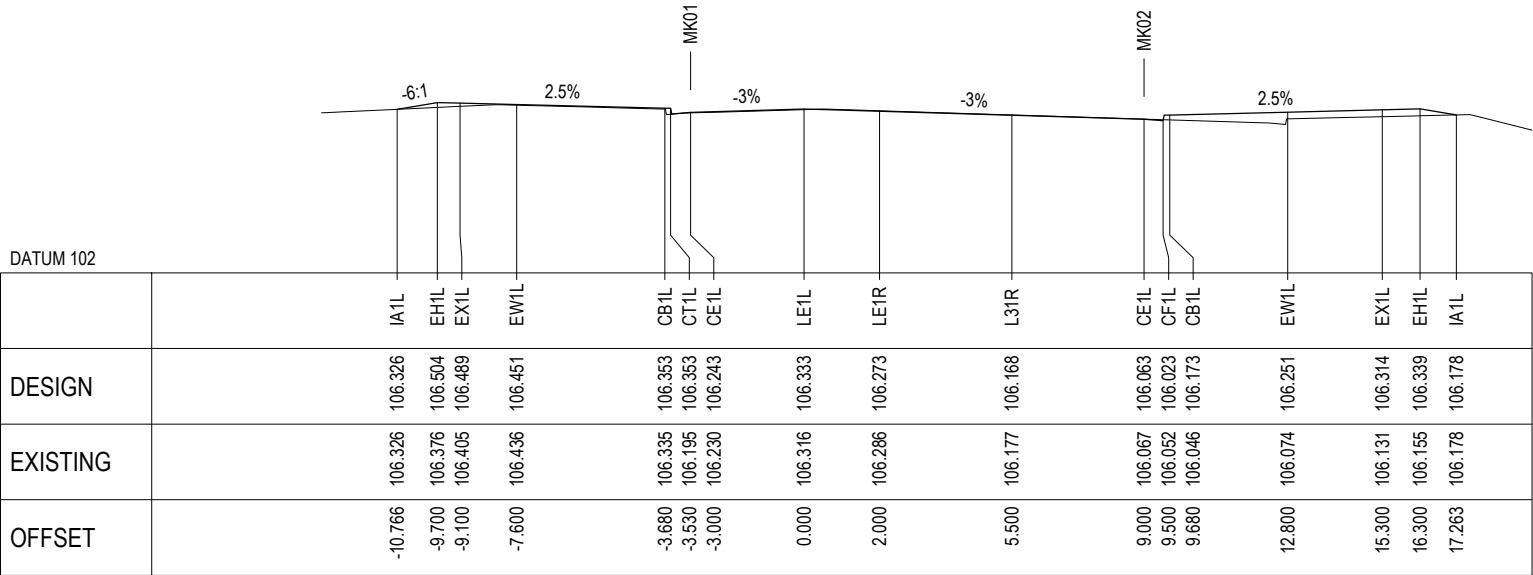
CH 440.000

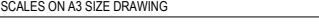
MC01- CROSS SECTIONS

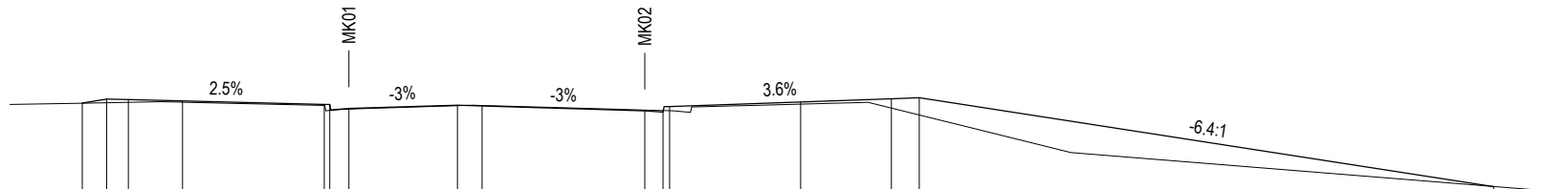
DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD CROSS SECTIONS - MC01			A3
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	PREPARED FOR	ISSUE STATUS				SHEET No.
	1	03/08/23	FIRST ISSUE			0 2 4 6 8 HORIZONTAL SCALE 1:200m		egis		DRAWN	M. BAKER	MAY 24	---	NOT FOR CONSTRUCTION	RC-109	6		
	2	18/08/23	MINOR AMENDMENTS							DRG CHECK	J. MASON	MAY 24	---					
	3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS							DESIGN	M. BAKER	MAY 24	---					
	4	28/03/24	MINOR AMENDMENTS							DESIGN CHECK	J. MASON	MAY 24	---					
	5	18/05/24	CLIENT COMMENTS ADDRESSED							DESIGN MNGR	J. MASON	MAY 24	---					
	6	17/05/24	MINOR AMENDMENTS			CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)				PROJECT MNGR	B. TOMIC	MAY 24	---					
			A.H.D.															

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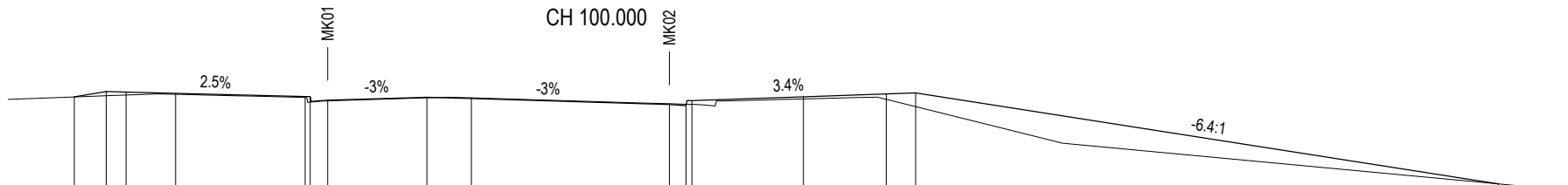
50mm ON A3 SIZE ORIGINAL



DRAWING FILE LOCATION / NAME						DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				PLOT DATE / TIME			PLOT BY			CLIENT		 CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD CROSS SECTIONS - MC02			A3	
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING			DRAWINGS / DESIGN PREPARED BY				TITLE	NAME	DATE	PREPARED FOR					
			1	03/08/23	FIRST ISSUE MINOR AMENDMENTS MINOR AMENDMENTS ADDRESSING DA COMMENTS MINOR AMENDMENTS CLIENT COMMENTS ADDRESSED MINOR AMENDMENTS				 HORIZONTAL SCALE 1:200m							DRAWN	M. BAKER	MAY 24	---- ----					
			2	18/08/23																				
			3	22/03/24					DRG CHECK	J. MASON	MAY 24													
			4	26/03/24					DESIGN	M. BAKER	MAY 24													
			5	16/05/24					DESIGN CHECK	J. MASON	MAY 24													
			6	17/05/24					DESIGN MNGR	J. MASON	MAY 24													
CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020) A.H.D.													PROJECT MNGR	B. TOMIC	MAY 24	ISSUE STATUS NOT FOR CONSTRUCTION			SHEET No. RC-201		ISSUE 6			



DATUM 96	IA1L	EH1L	EX1L	EW1L	CB1L	CT1L	CE1L	LE1L	LE1R	CE1L	CF1L	CB1L	EW1L	EX1L	EH1L	IA1L
DESIGN	102.428	102.541	102.526	102.488	102.390	102.390	102.280	102.370	102.350	102.215	102.180	102.332	102.461	102.550	102.577	100.114
EXISTING	102.427	102.439	102.450	102.454	102.365	102.225	102.262	102.357	102.363	102.236	102.222	102.216	102.401	102.290	102.100	100.120
OFFSET	-10.374	-9.700	-9.100	-7.600	-3.680	-3.530	-3.000	0.000	0.682	5.184	5.687	5.869	9.491	12.004	12.771	28.657



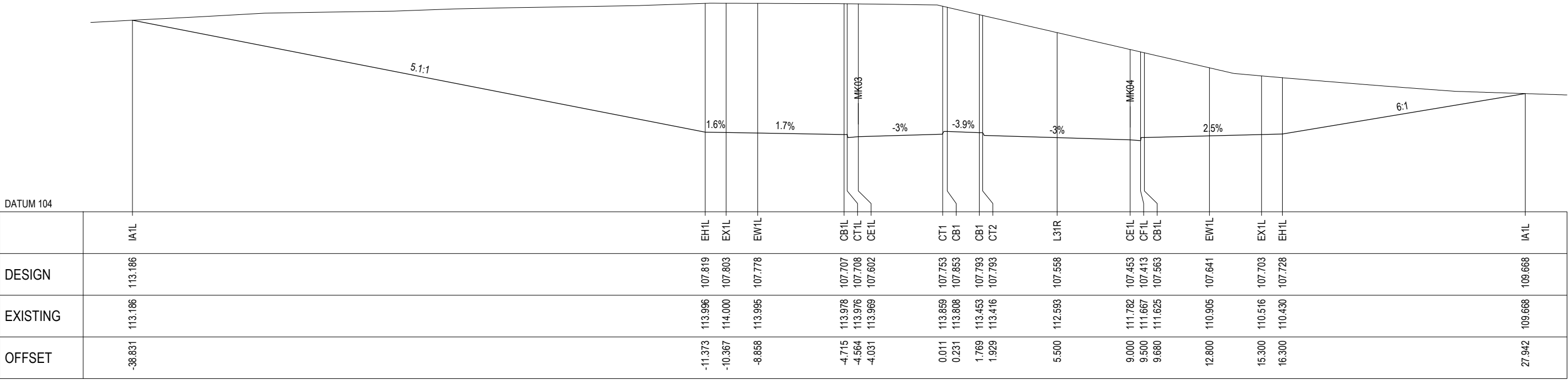
DATUM 98	IA1L	EH1L	EX1L	EW1L	CB1L	CT1L	CE1L	LE1L	LE1R	CE1L	CF1L	CB1L	EW1L	EX1L	EH1L	IA1L
DESIGN	104.361	104.522	104.507	104.470	104.372	104.372	104.262	104.352	104.311	104.132	104.096	104.248	104.364	104.450	104.481	101.723
EXISTING	104.360	104.395	104.417	104.440	104.345	104.202	104.240	104.331	104.331	104.153	104.138	104.133	104.299	104.288	104.066	101.727
OFFSET	-10.666	-9.700	-9.100	-7.600	-3.680	-3.530	-3.000	0.000	1.349	7.337	7.840	8.021	11.391	13.900	14.789	32.410

CH 80.000

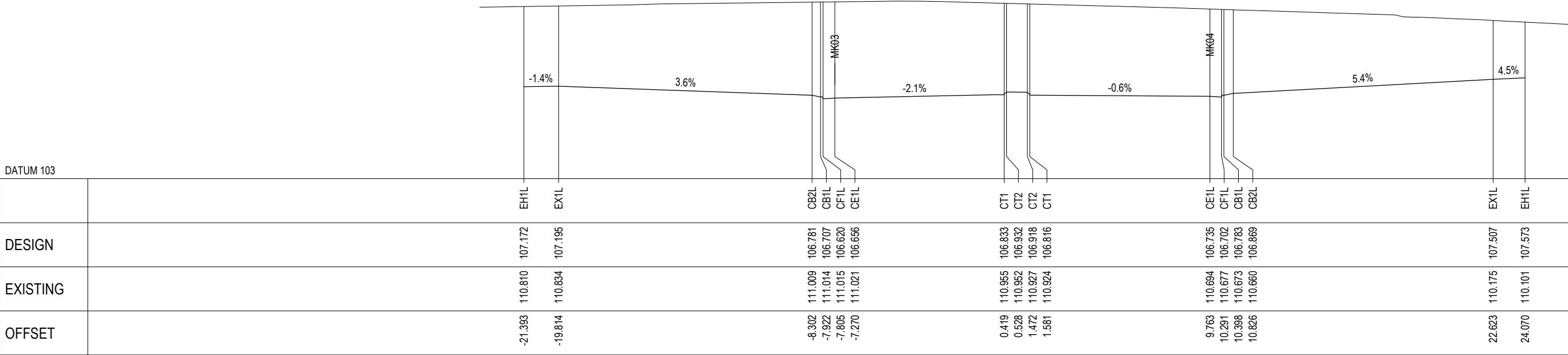
DRAWING FILE LOCATION / NAME					DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING			PLOT DATE / TIME			PLOT BY		CLIENT 	CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD CROSS SECTIONS - MC02	A3		
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME				DATE	
			1	03/08/23	FIRST ISSUE				 HORIZONTAL SCALE 1:200m				DRAWN	M. BAKER	MAY 24	PREPARED FOR ----- -----	ISSUE STATUS NOT FOR CONSTRUCTION	SHEET No. RC-202	ISSUE 6
			2	18/08/23	MINOR AMENDMENTS														
			3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS														
			4	26/03/24	MINOR AMENDMENTS														
			5	16/05/24	CLIENT COMMENTS ADDRESSED														
			6	17/05/24	MINOR AMENDMENTS		CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.		DESIGN CHECK	J. MASON	MAY 24						
											DESIGN MNGR	J. MASON	MAY 24						
											PROJECT MNGR	B. TOMIC	MAY 24						

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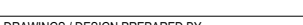
50mm ON A3 SIZE ORIGINAL

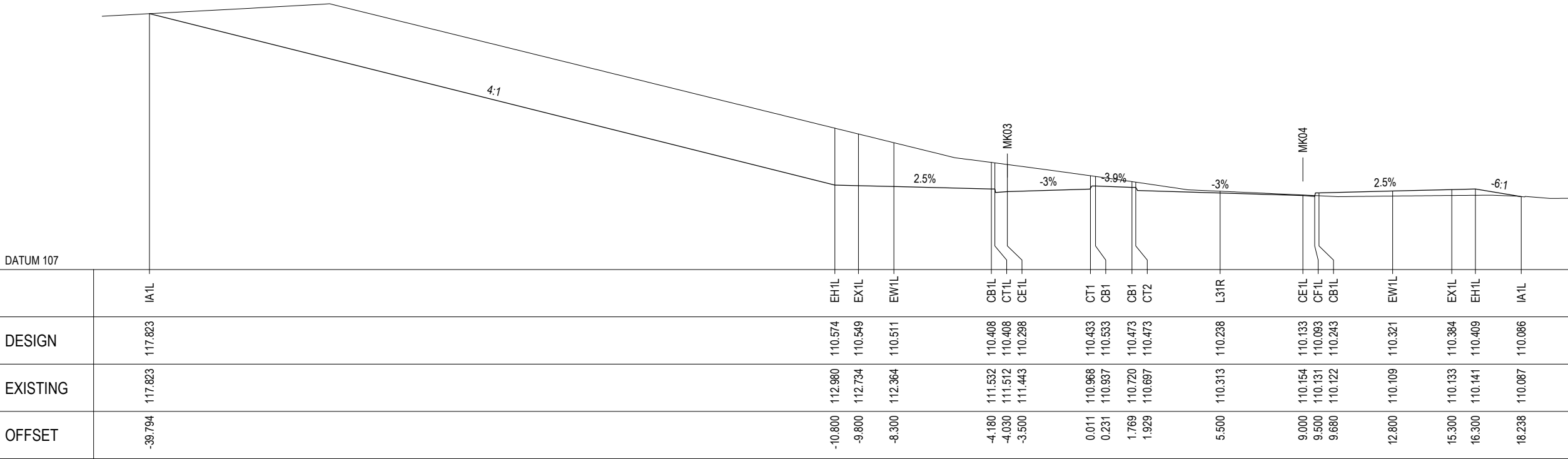


CH 40.000

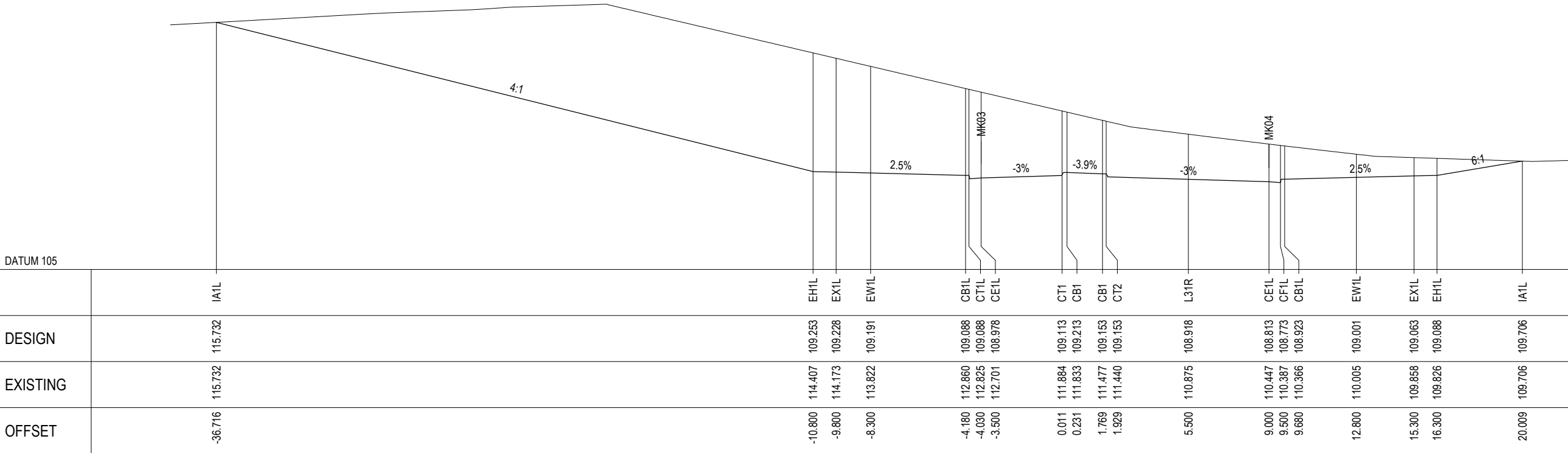


CH 20.000

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD CROSS SECTIONS - MC03	A3		
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE					NAME	DATE
		1	03/08/23	FIRST ISSUE				 HORIZONTAL SCALE 1:200m				DRAWN	M. BAKER	MAY 24	PREPARED FOR -----	ISSUE STATUS NOT FOR CONSTRUCTION	SHEET No. RC-301	ISSUE 6
		2	18/08/23	MINOR AMENDMENTS								DRG CHECK	J. MASON	MAY 24				
		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24				
		4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24				
		5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24				
		6	17/05/24	MINOR AMENDMENTS		CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.		PROJECT MNGR		B. TOMIC	MAY 24					



CH 80.000

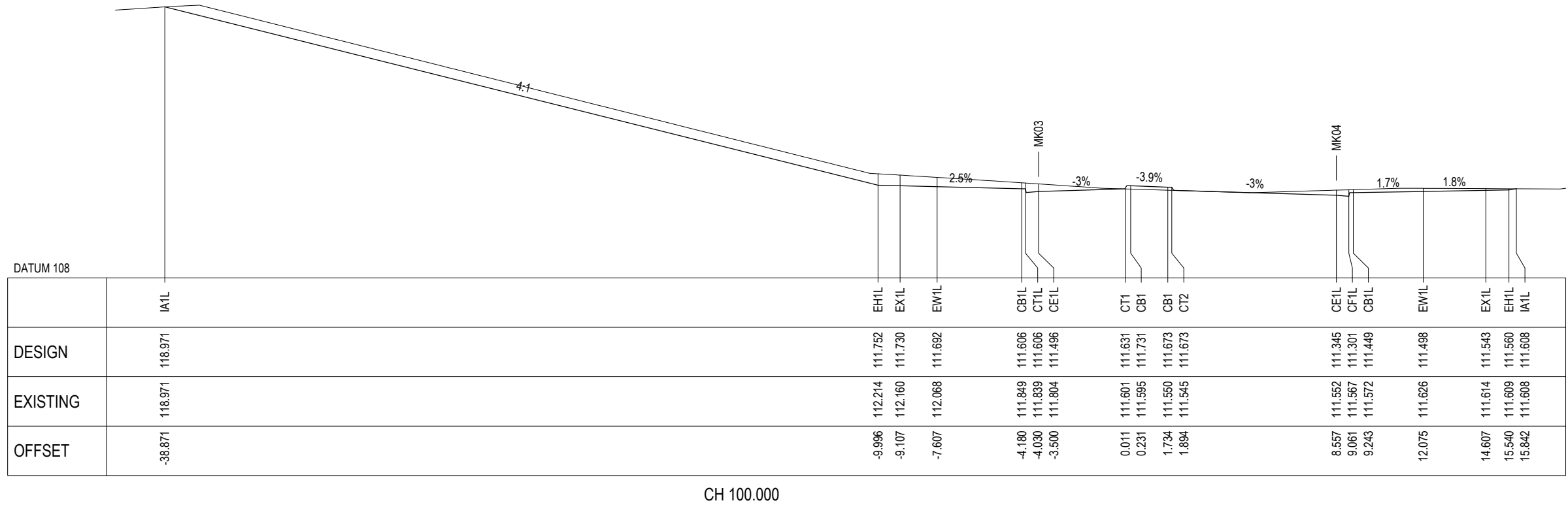


CH 60.000

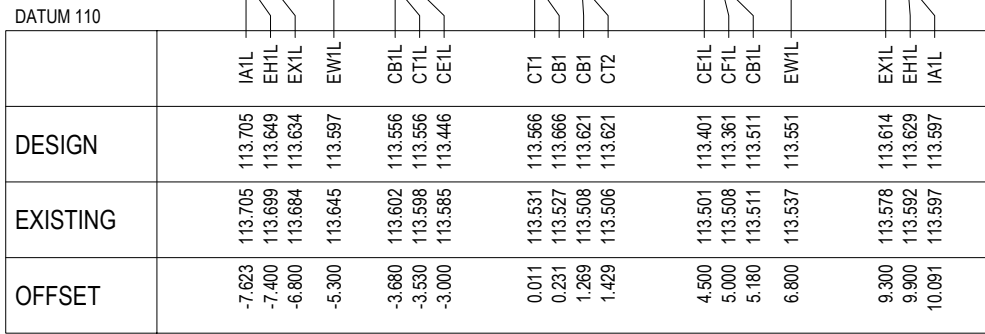
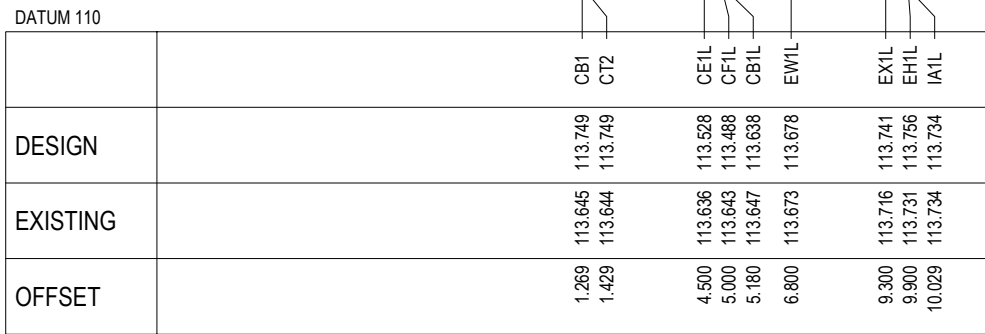
DRAWING FILE LOCATION / NAME					DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY			CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD CROSS SECTIONS - MC03			A3	
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	 PREPARED FOR ----- -----	ISSUE STATUS NOT FOR CONSTRUCTION			SHEET No. RC-302	ISSUE 6
			1	03/08/23	FIRST ISSUE				02468 HORIZONTAL SCALE 1:200m				DRAWN	M. BAKER	MAY 24						
			2	18/08/23	MINOR AMENDMENTS								DRG CHECK	J. MASON	MAY 24						
			3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24						
			4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24						
			5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24						
			6	17/05/24	MINOR AMENDMENTS								PROJECT MNGR	B. TOMIC	MAY 24						
									CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.										

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50mm ON A3 SIZE ORIGINAL



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LEGEND

- PROPOSED BOUNDARY
- EXISTING BOUNDARY
- EXISTING TELECOMMUNICATION
- EXISTING OPTUS - OVERHEAD
- EXISTING OPTUS - UNDERGROUND
- EXISTING NBN
- EXISTING OVERHEAD ELECTRICAL
- EXISTING GAS
- SURVEY
- DESIGN
- ULTIMATE DESIGN
- MASTER STRING CONTROL AND ALIGNMENT LABEL
- PAVEMENT AREA
- PROPOSED W-BEAM BARRIER
- PROPOSED SEWER Ø225 RISING MAIN
- PROPOSED WATER Ø200 WATER MAIN
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIT
- EXISTING STORMWATER PIT
- BATTER SLOPE
- PROPOSED RETAINING WALL

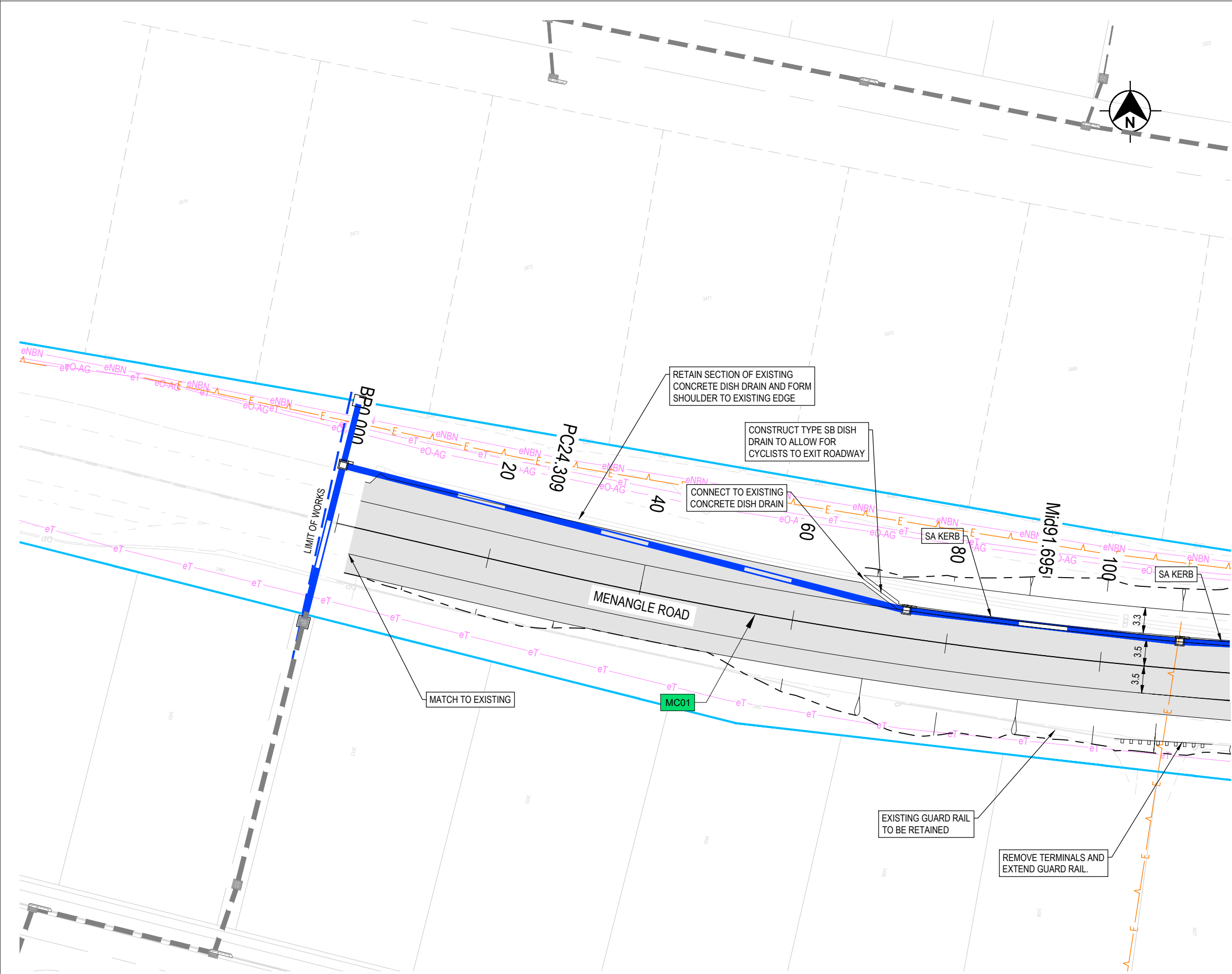
NOTES

- CHECK LOCATION OF UTILITIES PRIOR TO CONSTRUCTION
- PROVIDE TOPSOIL AND SEED BATTERS

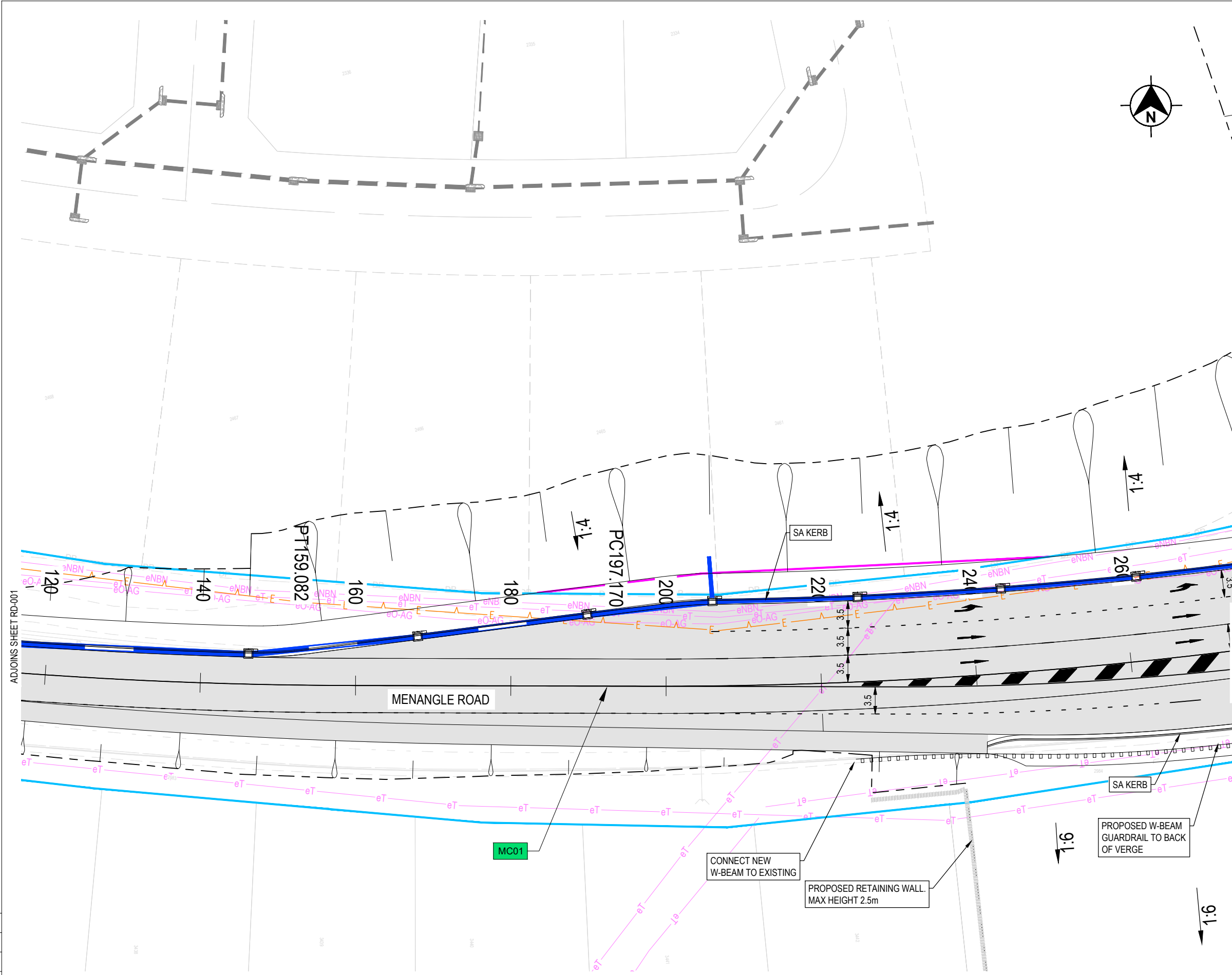
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50mm ON A3 SIZE ORIGINAL



DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD DETAIL PLAN		A3				
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE		PREPARED FOR ----	ISSUE STATUS		SHEET No.		ISSUE
		1	03/08/23	FIRST ISSUE				 HORIZONTAL SCALE 1:500m				DRAWN	M. BAKER	MAY 24			NOT FOR CONSTRUCTION		RD-001		6
		2	18/08/23	MINOR AMENDMENTS								DRG CHECK	J. MASON	MAY 24							
		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24							
		4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24							
		5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24							
		6	17/05/24	MINOR AMENDMENTS								PROJECT MNGR	B. TOMIC	MAY 24							
								CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)													
								HEIGHT DATUM A.H.D.													



LEGEND

- PROPOSED BOUNDARY
- EXISTING BOUNDARY
- EXISTING TELECOMMUNICATION
- EXISTING OPTUS - OVERHEAD
- EXISTING OPTUS - UNDERGROUND
- EXISTING NBN
- EXISTING OVERHEAD ELECTRICAL
- EXISTING GAS
- SURVEY
- DESIGN
- ULTIMATE DESIGN
- MASTER STRING CONTROL AND ALIGNMENT LABEL
- PAVEMENT AREA
- PROPOSED W-BEAM BARRIER
- PROPOSED SEWER Ø225 RISING MAIN
- PROPOSED WATER Ø200 WATER MAIN
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIT
- EXISTING STORMWATER PIT
- BATTER SLOPE
- PROPOSED RETAINING WALL

NOTES

- CHECK LOCATION OF UTILITIES PRIOR TO CONSTRUCTION
- PROVIDE TOPSOIL AND SEED BATTERS

PRODUCED IN COLOUR

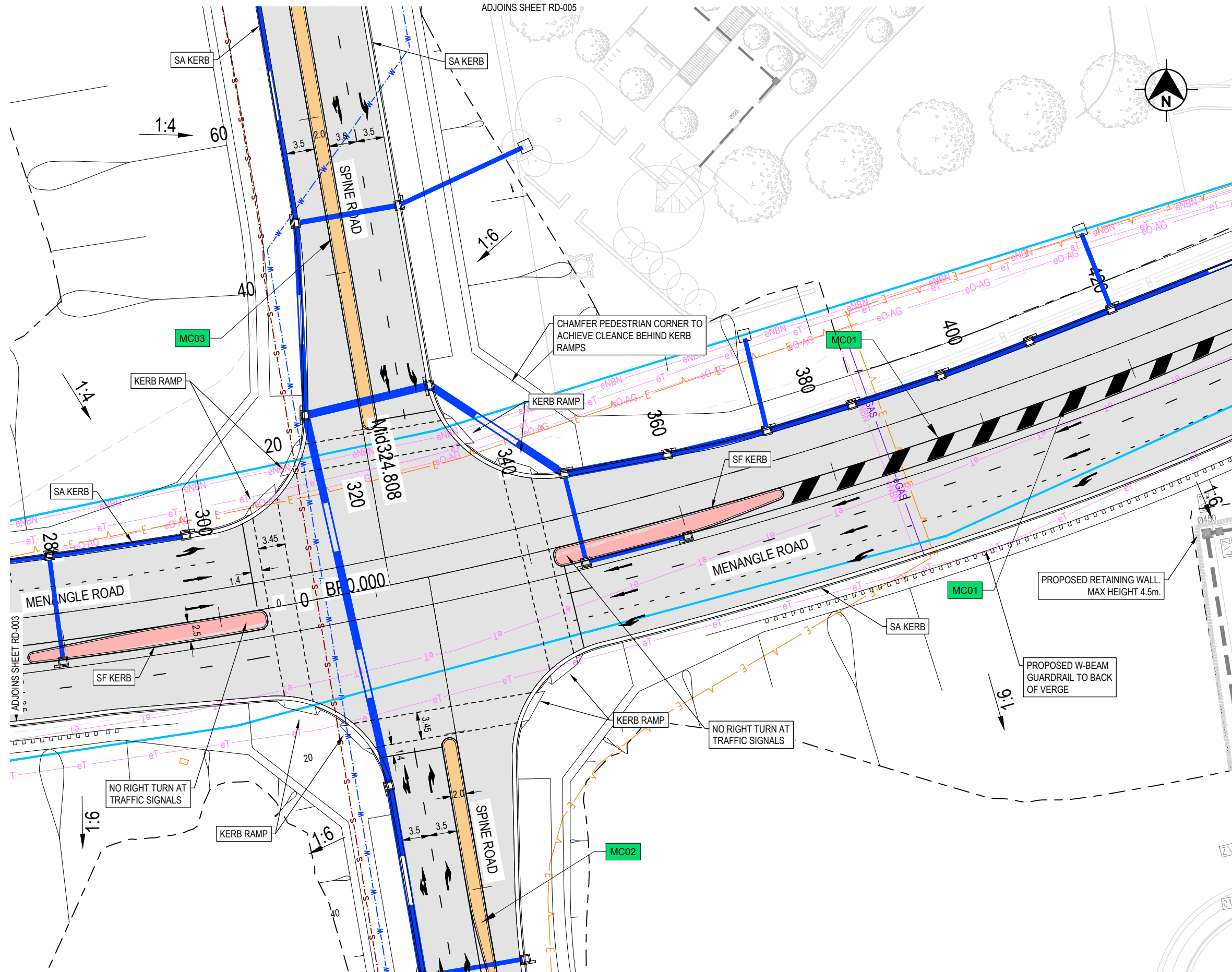
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50mm ON A3 SIZE ORIGINAL

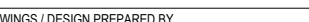
DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT			CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD DETAIL PLAN	A3	
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE				PREPARED FOR ---- ----
		1	03/08/23	FIRST ISSUE				0 5 10 15 20 HORIZONTAL SCALE 1:500m				DRAWN	M. BAKER	MAY 24				
		2	18/08/23	MINOR AMENDMENTS								DRG CHECK	J. MASON	MAY 24				
		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24				
		4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24				
		5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24				
		6	17/05/24	MINOR AMENDMENTS				CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)				PROJECT MNGR	B. TOMIC	MAY 24				
								HEIGHT DATUM A.H.D.								ISSUE STATUS NOT FOR CONSTRUCTION	SHEET No. RD-002	ISSUE 6

1. CHECK LOCATION OF UTILITIES PRIOR TO CONSTRUCTION
2. PROVIDE TOPSOIL AND SEED BATTERS

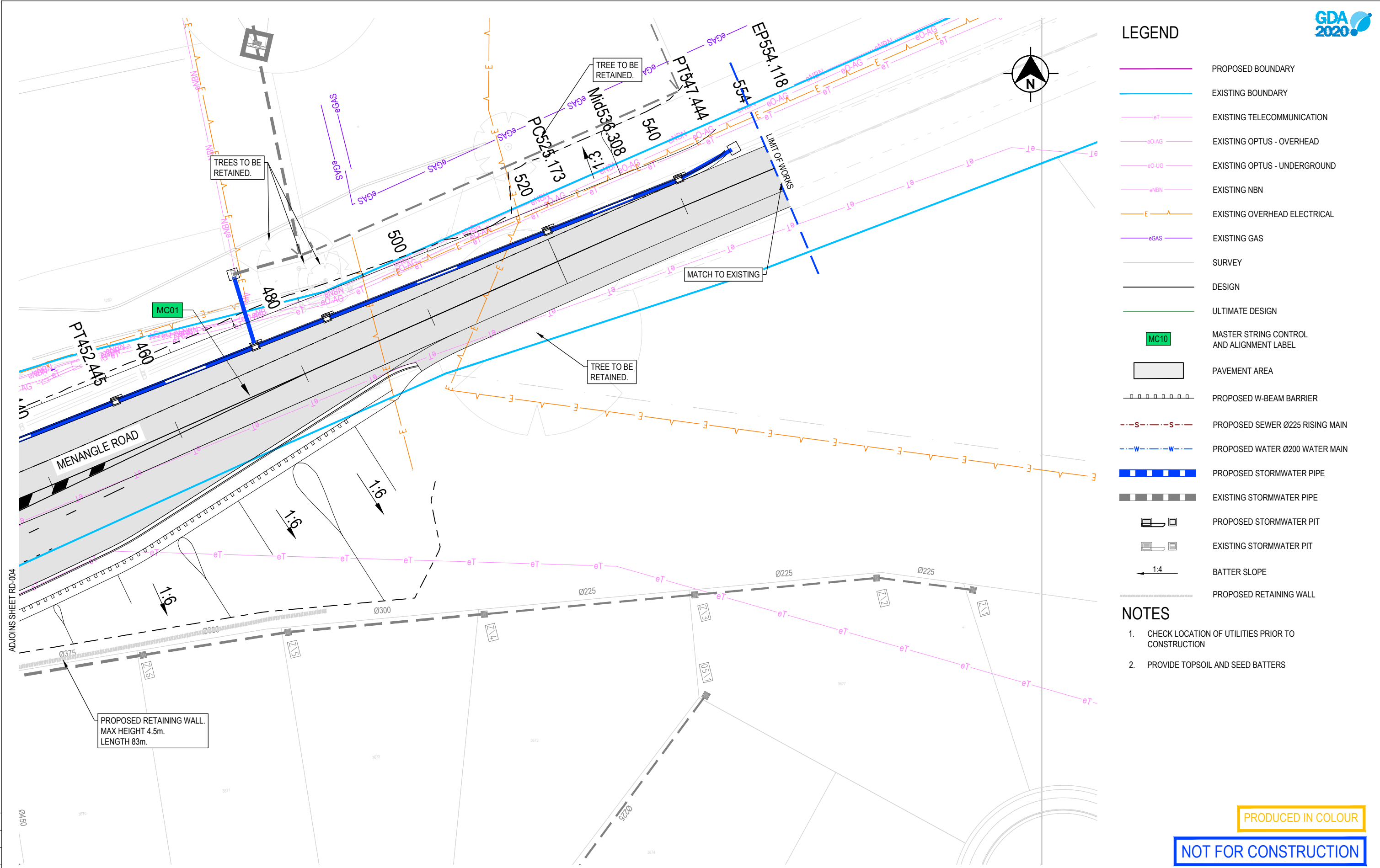
NOT FOR CONSTRUCTION



ADJOINS SHEET RD-006

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD DETAIL PLAN				A3	
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		VWR No.	APPROVAL	SCALES ON A3 SIZE DRAWING			DRAWINGS / DESIGN PREPARED BY			TITLE	NAME	DATE			PREPARED FOR ---- ----			
		1	03/08/23	FIRST ISSUE				0 5 10 15 20 HORIZONTAL SCALE 1:500m						DRAWN	M. BAKER	MAY 24						
		2	18/08/23	MINOR AMENDMENTS				DESIGN	M. BAKER	MAY 24												
		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS				DESIGN CHECK	J. MASON	MAY 24												
		4	26/03/24	MINOR AMENDMENTS				DESIGN MNGR	J. MASON	MAY 24												
		5	16/05/24	CLIENT COMMENTS ADDRESSED				PROJECT MNGR	B. TOMIC	MAY 24												
		6	17/05/24	MINOR AMENDMENTS				CO-ORDINATE SYSTEM HEIGHT DATUM MGA ZONE 55 (GDA2020) A.H.D.									ISSUE STATUS NOT FOR CONSTRUCTION		SHEET No. RD-003		ISSUE 6	

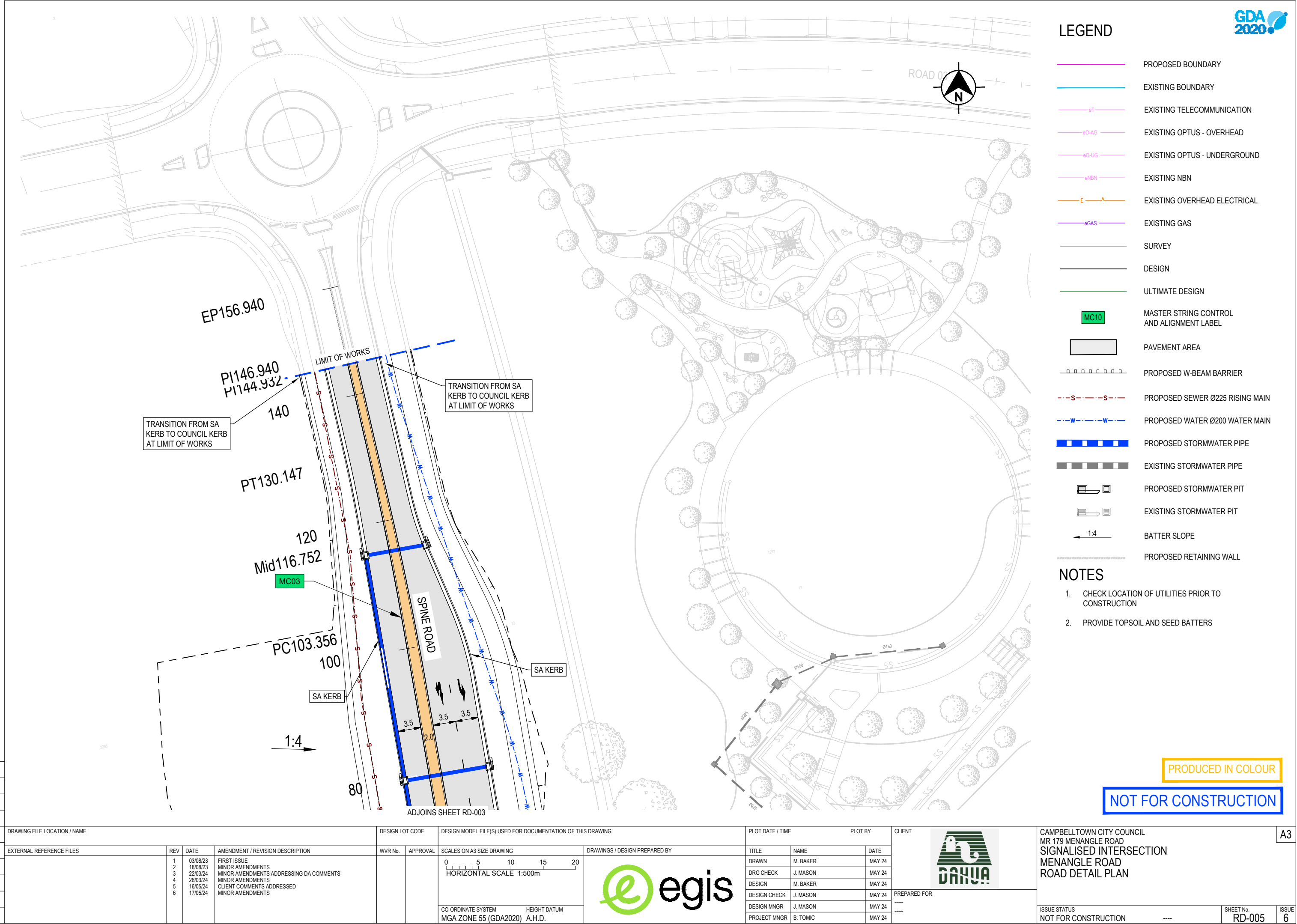
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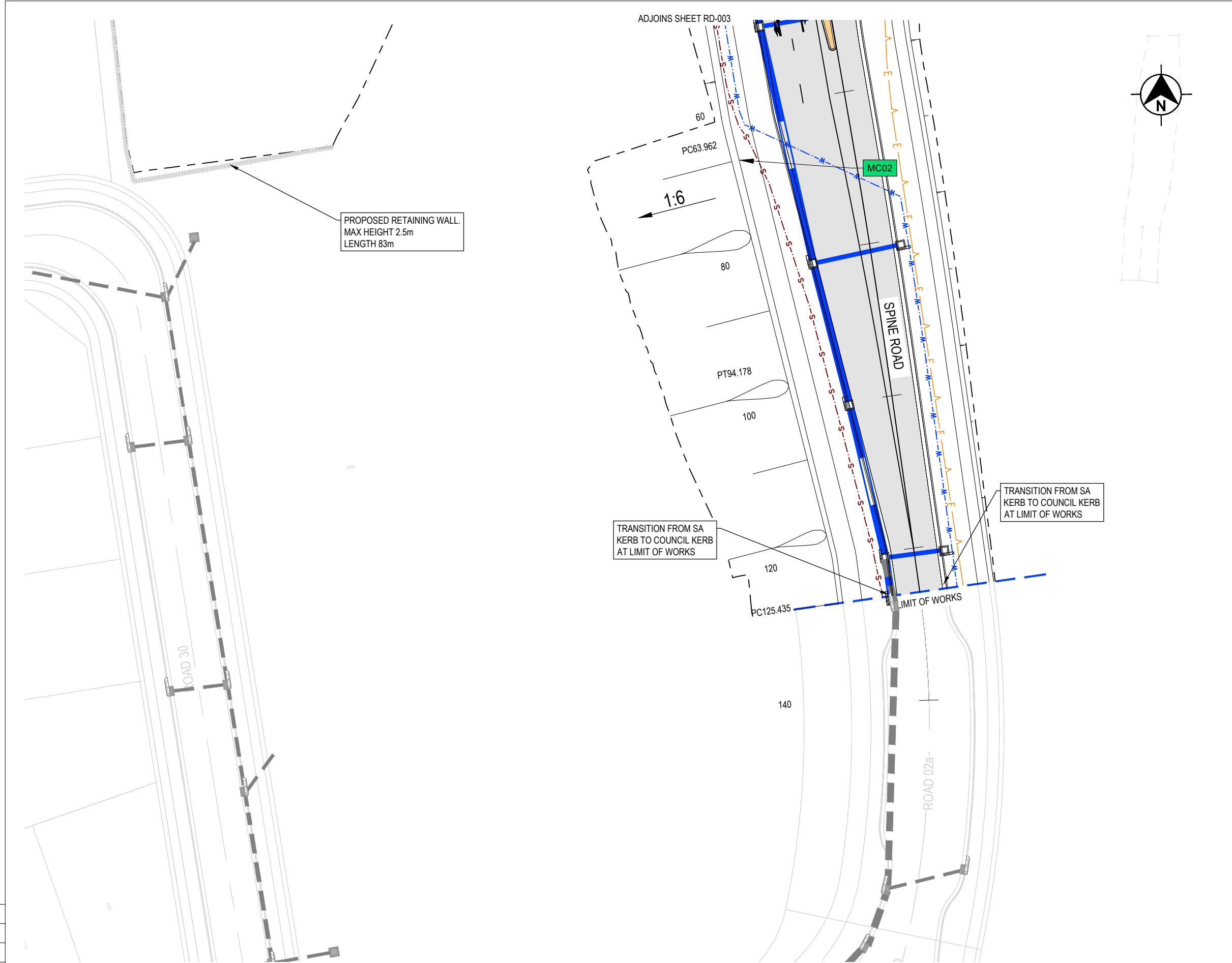
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EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	PREPARED FOR ----	ISSUE STATUS NOT FOR CONSTRUCTION	SHEET No. RD-004	ISSUE 6				
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		2	18/08/23	MINOR AMENDMENTS							DRG CHECK	J. MASON	MAY 24								
		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS							DESIGN	M. BAKER	MAY 24								
		4	26/03/24	MINOR AMENDMENTS							DESIGN CHECK	J. MASON	MAY 24								
		5	16/05/24	CLIENT COMMENTS ADDRESSED							DESIGN MNGR	J. MASON	MAY 24								
		6	17/05/24	MINOR AMENDMENTS			CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.		PROJECT MNGR	B. TOMIC	MAY 24								

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50mm ON A3 SIZE ORIGINAL



LEGEND

- PROPOSED BOUNDARY
- EXISTING BOUNDARY
- EXISTING TELECOMMUNICATION
- EXISTING OPTUS - OVERHEAD
- EXISTING OPTUS - UNDERGROUND
- EXISTING NBN
- EXISTING OVERHEAD ELECTRICAL
- EXISTING GAS
- SURVEY
- DESIGN
- ULTIMATE DESIGN
- MASTER STRING CONTROL AND ALIGNMENT LABEL
- PAVEMENT AREA
- PROPOSED W-BEAM BARRIER
- PROPOSED SEWER Ø225 RISING MAIN
- PROPOSED WATER Ø200 WATER MAIN
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIT
- EXISTING STORMWATER PIT
- BATTER SLOPE
- PROPOSED RETAINING WALL

NOTES

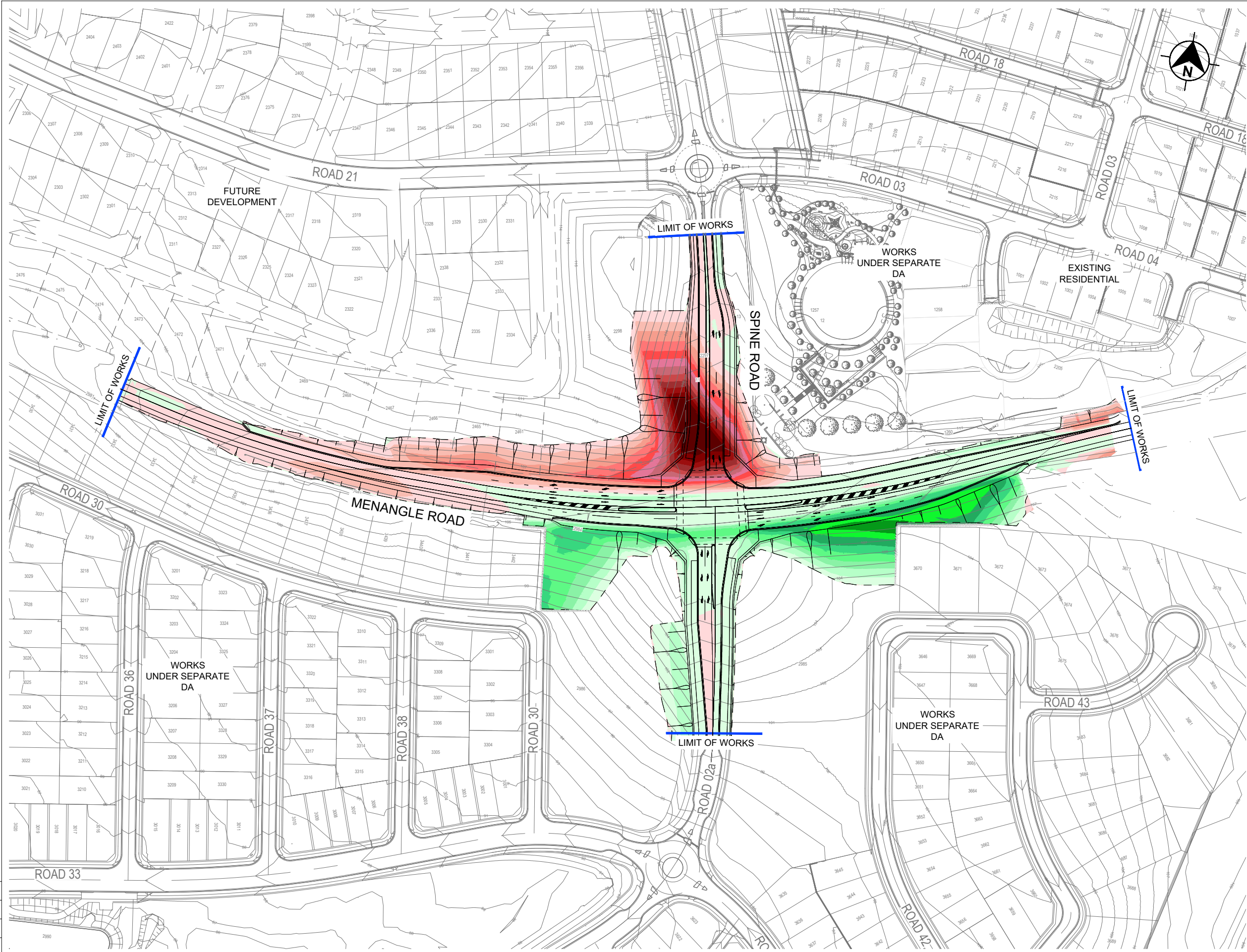
- CHECK LOCATION OF UTILITIES PRIOR TO CONSTRUCTION
- PROVIDE TOPSOIL AND SEED BATTERS

PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD DETAIL PLAN		A3					
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	 PREPARED FOR ----- -----		ISSUE STATUS NOT FOR CONSTRUCTION		SHEET No. RD-006		ISSUE 6	
				05101520 HORIZONTAL SCALE 1:500m				DRAWN	M. BAKER	MAY 24												
								DRG CHECK	J. MASON	MAY 24												
								DESIGN	M. BAKER	MAY 24												
								DESIGN CHECK	J. MASON	MAY 24												
								CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.		DESIGN MNGR	J. MASON	MAY 24								
												PROJECT MNGR	B. TOMIC	MAY 24								

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0 5 10 15 20 25 30 35 40 45 50mm ON A3 SIZE ORIGINAL



ISOPACH LEGEND

LOWER VALUE		UPPER VALUE		COLOUR
-10	TO	-5.5	m	
-5.5	TO	-5	m	
-5	TO	-4.5	m	
-4.5	TO	-4	m	
-4	TO	-3.5	m	
-3.5	TO	-3	m	
-3	TO	-2.5	m	
-2.5	TO	-2	m	
-2	TO	-1.5	m	
-1.5	TO	-1	m	
-1	TO	-0.5	m	
-0.5	TO	0	m	
0	TO	0.5	m	
0.5	TO	1	m	
1	TO	1.5	m	
1.5	TO	2	m	
2	TO	2.5	m	
2.5	TO	3	m	
3	TO	3.5	m	
3.5	TO	4	m	
4	TO	4.5	m	
4.5	TO	5	m	
5	TO	10	m	

EARTHWORK QUANTITY	
CUT	18,196 m ³
FILL	14,402 m ³

PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME

EXTERNAL REFERENCE FILES

REV

DATE

AMENDMENT / REVISION DESCRIPTION

DESIGN LOT CODE

WVR No.

APPROVAL

DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING

SCALES ON A3 SIZE DRAWING

0 20 40 60 80
HORIZONTAL SCALE 1:2000m

CO-ORDINATE SYSTEM
MGA ZONE 55 (GDA2020) A.H.D.

DRAWINGS / DESIGN PREPARED BY



PLOT DATE / TIME

PLOT BY

CLIENT



CAMPBELLTOWN CITY COUNCIL
MR 179 MENANGLE ROAD
SIGNALISED INTERSECTION
MENANGLE ROAD
BULK EARTHWORKS PLAN

PREPARED FOR

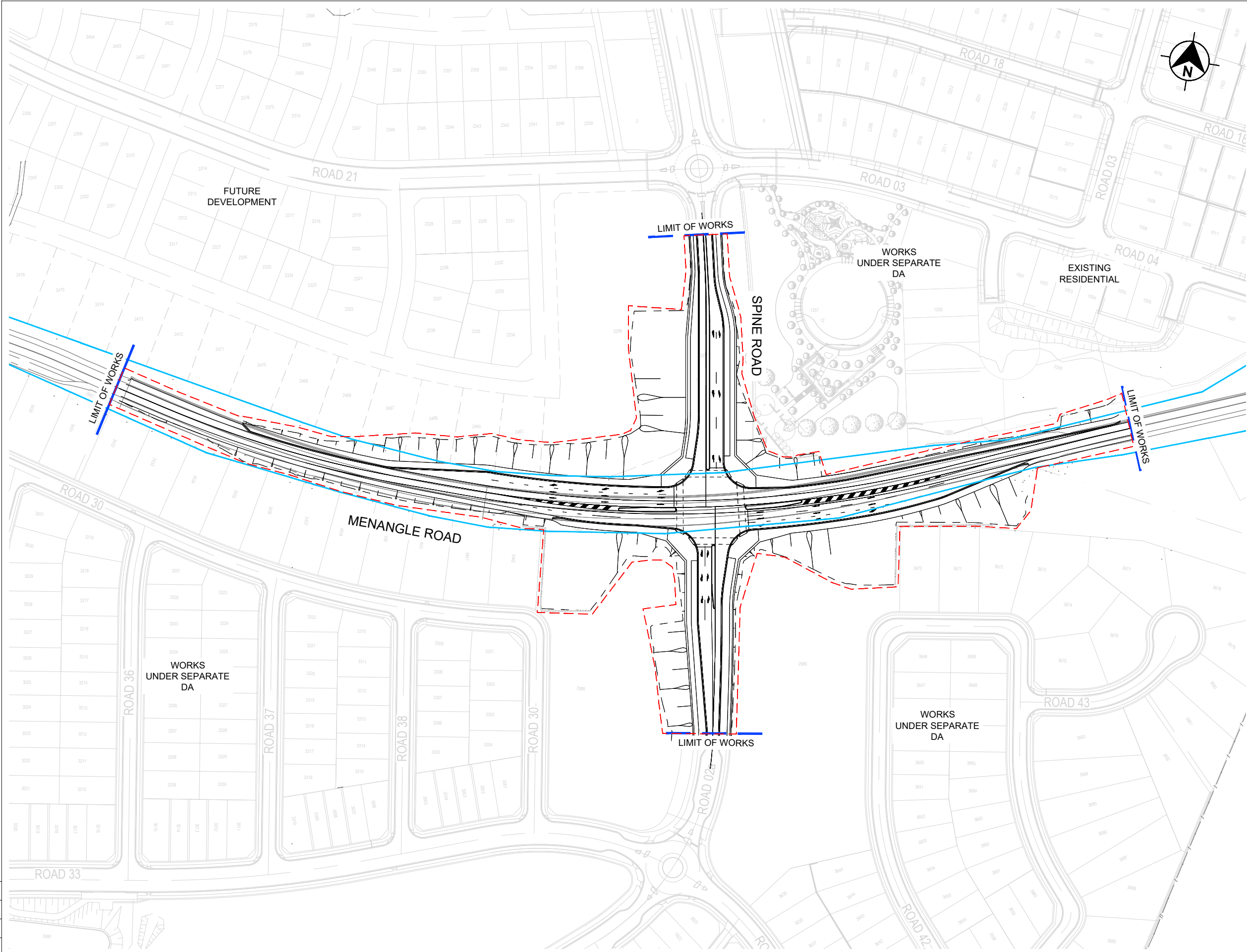
ISSUE STATUS
NOT FOR CONSTRUCTION

SHEET No.
RD-050

A3

ISSUE
6

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED
0 5 10 15 20 25 30 35 40 45 50mm ON A3 SIZE ORIGINAL



LEGEND:

--- LIMIT OF WORK

— EXISTING ROAD CORRIDOR BOUNDARY

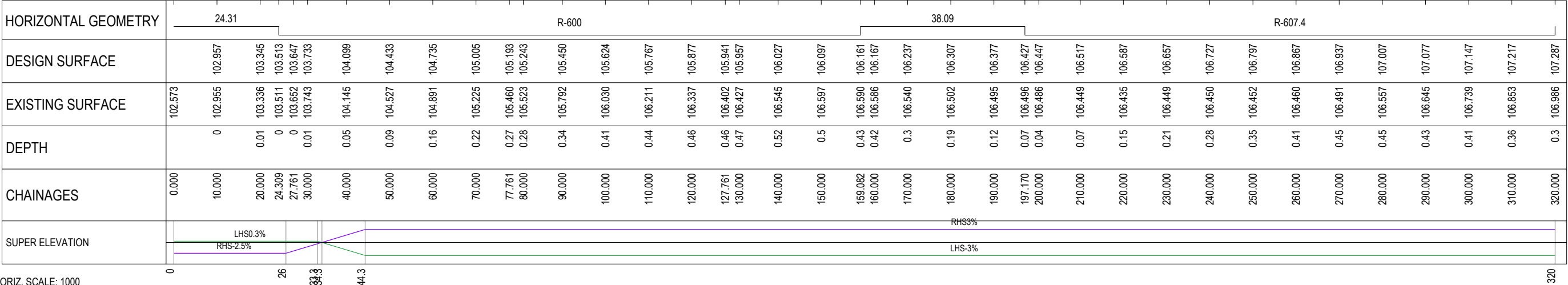
PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME						DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				PLOT DATE / TIME			PLOT BY			CLIENT		 CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD WORKS PLAN - LIMIT OF WORKS			A3	
EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING			DRAWINGS / DESIGN PREPARED BY				TITLE	NAME	DATE				PREPARED FOR	
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				2	18/08/23	MINOR AMENDMENTS											DRG CHECK	J. MASON	MAY 24					
				3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS											DESIGN	M. BAKER	MAY 24					
				4	26/03/24	MINOR AMENDMENTS											DESIGN CHECK	J. MASON	MAY 24					
				5	16/05/24	CLIENT COMMENTS ADDRESSED				DESIGN MNGR	J. MASON	MAY 24												
				6	17/05/24	MINOR AMENDMENTS				PROJECT MNGR	B. TOMIC	MAY 24												
										CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)				HEIGHT DATUM A.H.D.				ISSUE STATUS NOT FOR CONSTRUCTION			SHEET No. RD-060		ISSUE 6	

APPROXIMATE - LENGTH & K VALUE
APPROXIMATE - GRADE

DATUM RL. 94

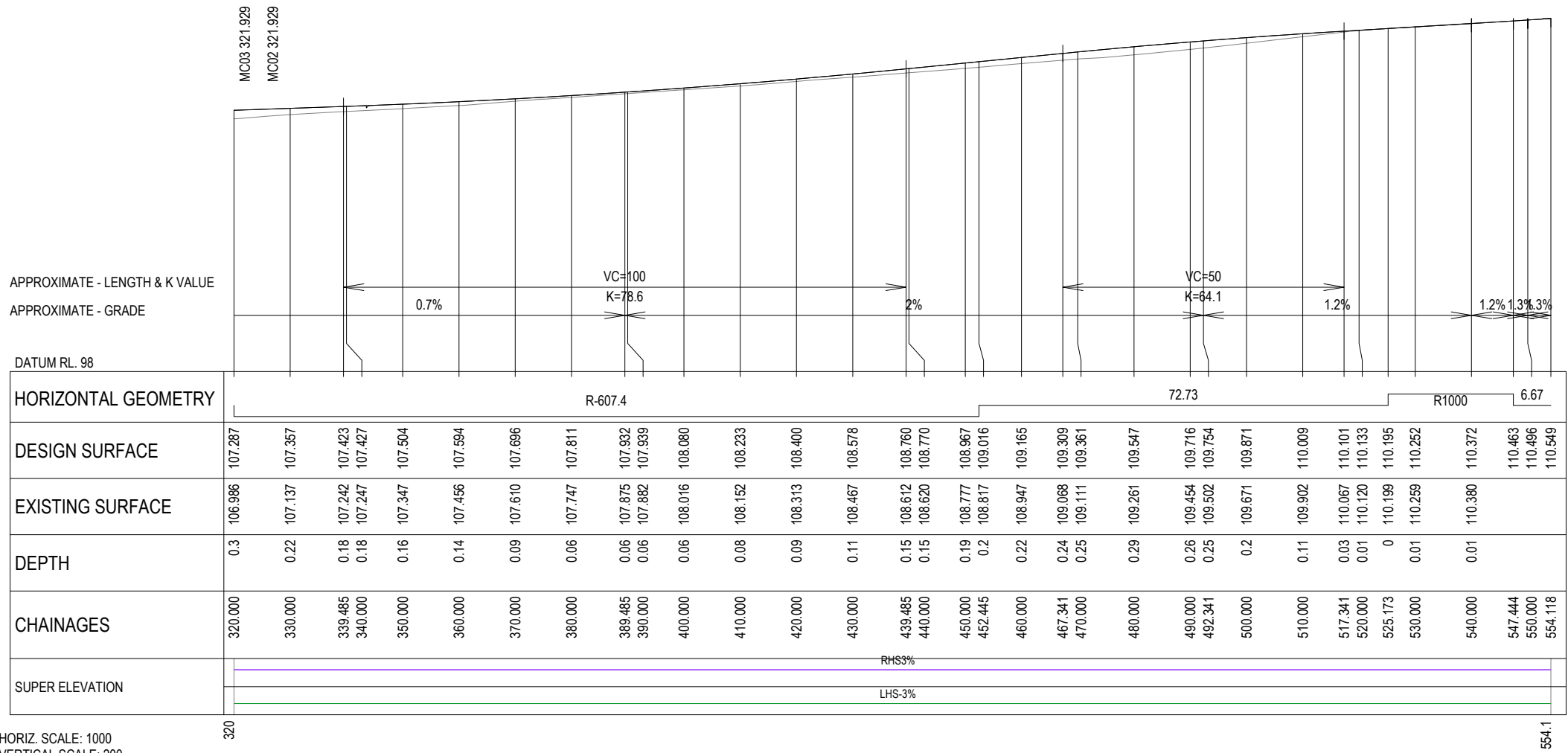


HORIZ. SCALE: 1000
VERTICAL SCALE: 200

LONGITUDINAL SECTION MC01

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

DRAWING FILE LOCATION / NAME					DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING			PLOT DATE / TIME		PLOT BY		 CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD LONGITUDINAL SECTION		A3							
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY					TITLE	NAME	DATE					
			1	03/08/23	FIRST ISSUE				0 2 4 6 8 HORIZONTAL SCALE 1:200m					DRAWN	M. BAKER	MAY 24	PREPARED FOR ---- ----	ISSUE STATUS NOT FOR CONSTRUCTION ----		SHEET No. RD-101		ISSUE 6	
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			3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS									DESIGN	M. BAKER	MAY 24							
			4	26/03/24	MINOR AMENDMENTS									DESIGN CHECK	J. MASON	MAY 24							
			5	16/05/24	CLIENT COMMENTS ADDRESSED									DESIGN MNGR	J. MASON	MAY 24							
6	17/05/24	MINOR AMENDMENTS		PROJECT MNGR	B. TOMIC	MAY 24																	
									CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020) A.H.D.														

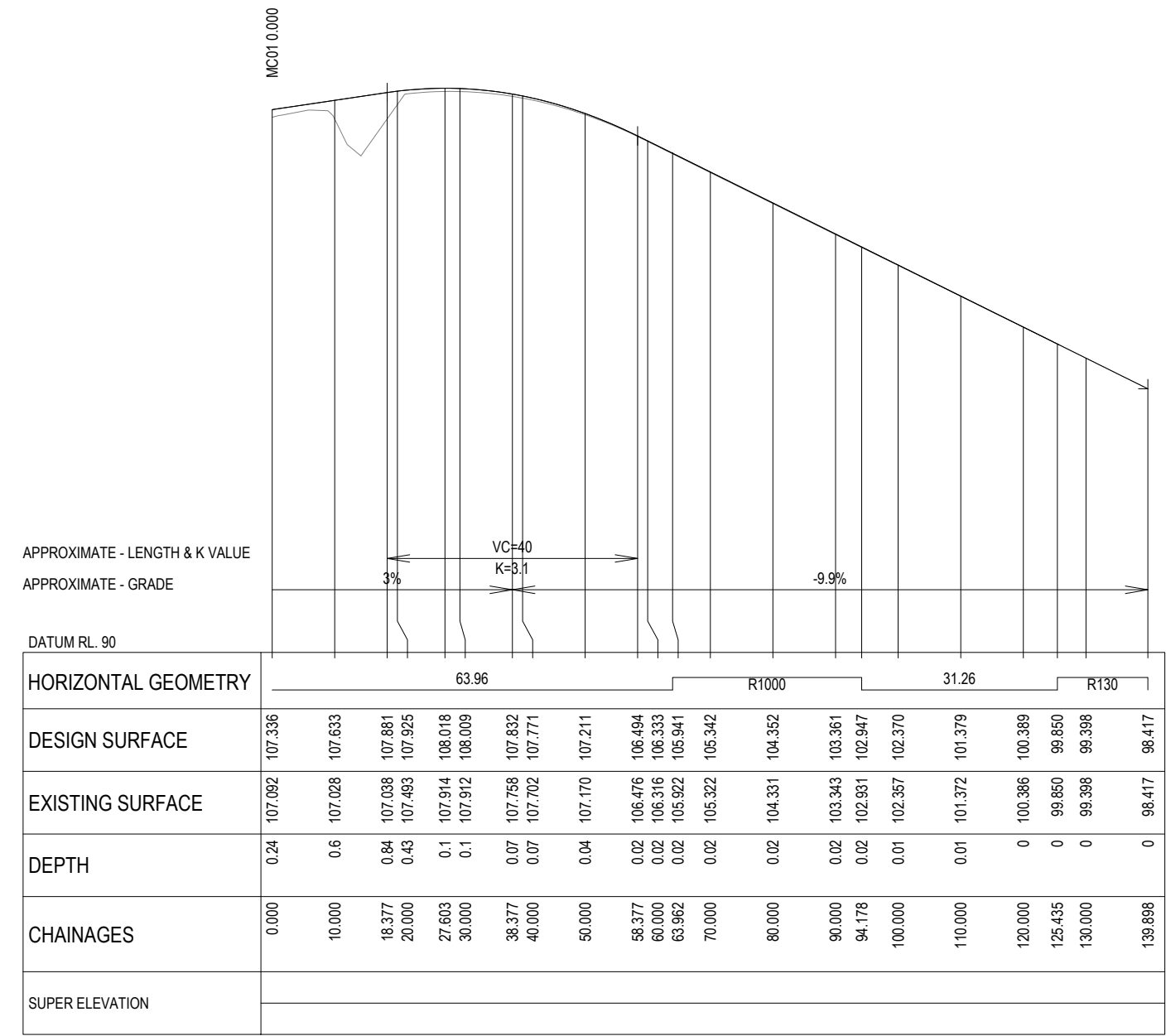


HORIZ. SCALE: 1000
VERTICAL SCALE: 200

LONGITUDINAL SECTION MC01

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

DRAWING FILE LOCATION / NAME					DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD LONGITUDINAL SECTION			A3
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	PREPARED FOR				
			1	03/08/23	FIRST ISSUE MINOR AMENDMENTS MINOR AMENDMENTS ADDRESSING DA COMMENTS MINOR AMENDMENTS CLIENT COMMENTS ADDRESSED MINOR AMENDMENTS			02468 HORIZONTAL SCALE 1:200m		egis		DRAWN	M. BAKER	MAY 24	PREPARED FOR ---- ----				
			2	18/08/23								DRG CHECK	J. MASON	MAY 24					
			3	22/03/24								DESIGN	M. BAKER	MAY 24					
			4	26/03/24				DESIGN CHECK	J. MASON	MAY 24									
			5	16/05/24				DESIGN MNGR	J. MASON	MAY 24									
			6	17/05/24				PROJECT MNGR	B. TOMIC	MAY 24									
								CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.									
															ISSUE STATUS NOT FOR CONSTRUCTION		SHEET No. RD-102		ISSUE 6

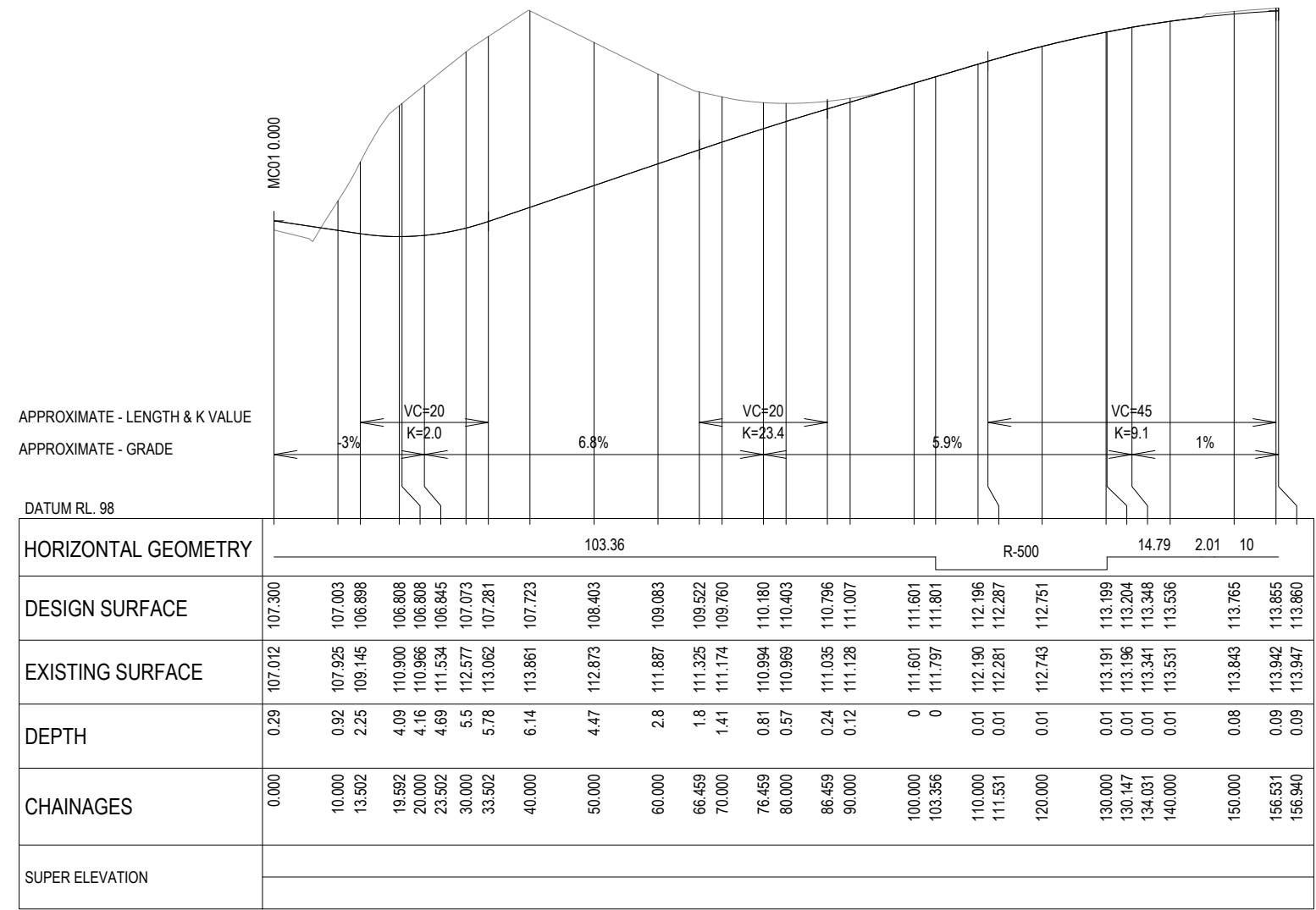


HORIZ. SCALE: 1000
VERTICAL SCALE: 200

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

50mm ON A3 SIZE ORIGINAL

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				PLOT DATE / TIME			PLOT BY		CLIENT  CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD LONGITUDINAL SECTION	ISSUE STATUS NOT FOR CONSTRUCTION	SHEET No. RD-201	ISSUE 6	
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY			TITLE	NAME					DATE
		1	03/08/23	FIRST ISSUE				02468 HORIZONTAL SCALE 1:200m					DRAWN	M. BAKER					MAY 24
		2	18/08/23	MINOR AMENDMENTS				DRG CHECK	J. MASON				MAY 24						
		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS				DESIGN	M. BAKER				MAY 24						
		4	26/03/24	MINOR AMENDMENTS				DESIGN CHECK	J. MASON				MAY 24						
		5	16/05/24	CLIENT COMMENTS ADDRESSED				DESIGN MNGR	J. MASON				MAY 24						
		6	17/05/24	MINOR AMENDMENTS				CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020) A.H.D.		HEIGHT DATUM		PROJECT MNGR	B. TOMIC	MAY 24					
PREPARED FOR															---				
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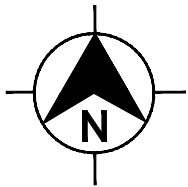


HORIZ. SCALE: 1000
VERTICAL SCALE: 200

LONGITUDINAL SECTION MC03

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

DRAWING FILE LOCATION / NAME					DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		 CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD LONGITUDINAL SECTION			A3	
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE					
			1	03/08/23	FIRST ISSUE				02468 HORIZONTAL SCALE 1:200m				DRAWN	M. BAKER	MAY 24	----- -----				
			2	18/08/23	MINOR AMENDMENTS								DRG CHECK	J. MASON	MAY 24					
			3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24					
			4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24					
			5	16/05/24	CLIENT COMMENTS ADDRESSED				DESIGN MNGR	J. MASON	MAY 24									
			6	17/05/24	MINOR AMENDMENTS				PROJECT MNGR	B. TOMIC	MAY 24									
							CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.											
															ISSUE STATUS NOT FOR CONSTRUCTION		SHEET No. RD-301		ISSUE 6	



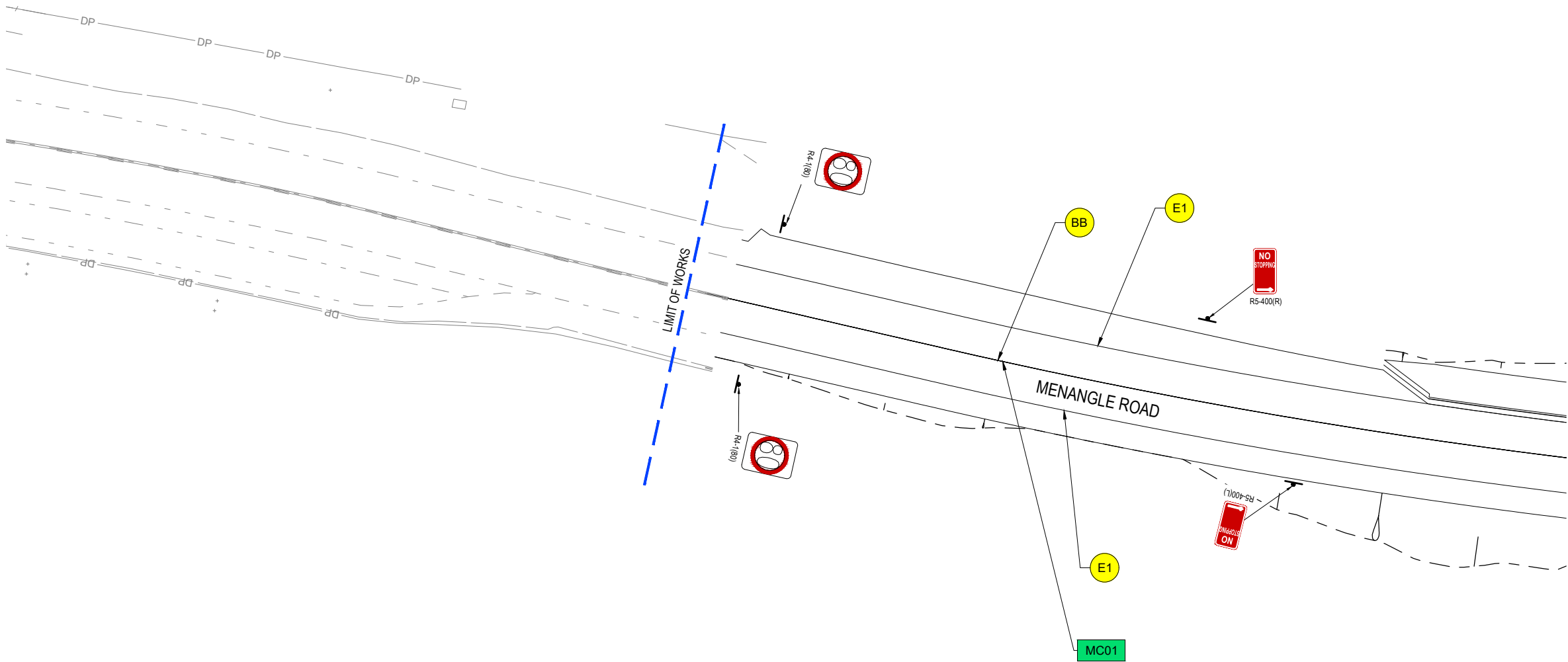
LEGEND

- E1

LINEMARKING TYPE
- TRAFFIC SIGNAL
- TRAFFIC SIGN

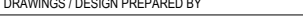
NOTES

1. FOR LINEMARKING SCHEDULE REFER TO SHEET RF-0001.
2. ALL REDUNDANT LINEMARKING TO BE REMOVED.
3. PAVEMENT MARKING AND SIGNPOSTING TO BE IN ACCORDANCE WITH TNSW STANDARDS.
4. ALL WARNING/REGULATORY SIGNS ARE TO BE B SIZE UNLESS OTHERWISE NOTED.
5. ALL EXISTING SIGN CONDITION TO BE DETERMINED FIT FOR PURPOSE PRIOR TO INSTALLATION.
6. ALL NEW SAFETY BARRIERS (INCLUDING TERMINALS) ARE TO BE TNSW APPROVED PRODUCTS.
7. EDGE LINE E1 TO HAVE ATLM (AUDIO TACTILE LINE MARKING) BLACK, 300mm OFFSET FROM WHITE LINE.
8. EDGE LINE E5 TO HAVE ATLM (AUDIO TACTILE LINE MARKING) INCORPORATED IN WHITE LINE.
9. SIGN POSTS LOCATED WITHIN THE CLEARZONE NEED TO BE INSTALLED WITH A FRANGIBLE SLIP BASE IN ACCORDANCE WITH AS1742.2.
10. ENSURE BARRIER TYPE ACHIEVES MINIMUM LENGTHS.



PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD FURNITURE PLAN		A3	
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE				
		1	03/08/23	FIRST ISSUE				0 5 10 15 20 HORIZONTAL SCALE 1:500m				DRAWN	M. BAKER	MAY 24				
		2	18/08/23	MINOR AMENDMENTS								DRG CHECK	J. MASON	MAY 24				
		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24				
		4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24				
		5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24				
		6	17/05/24	MINOR AMENDMENTS								PROJECT MNGR	B. TOMIC	MAY 24				
								CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)								ISSUE STATUS NOT FOR CONSTRUCTION		
								HEIGHT DATUM A.H.D.								SHEET No. RF-101		
																ISSUE 6		

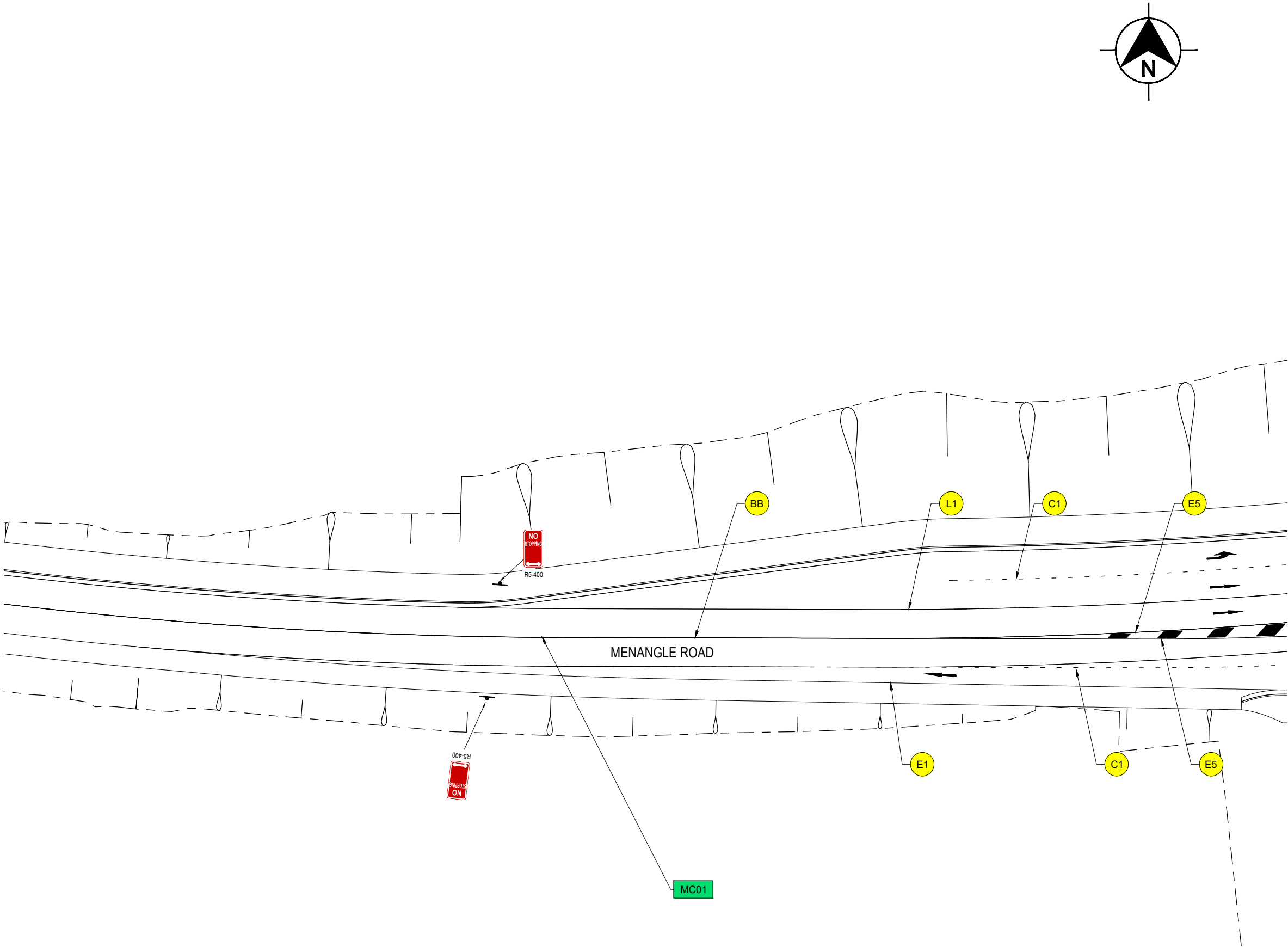
LEGEND

- E1

LINEMARKING TYPE
- TRAFFIC SIGNAL
- TRAFFIC SIGN

NOTES

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10. ENSURE BARRIER TYPE ACHIEVES MINIMUM LENGTHS.



PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME	PLOT BY	CLIENT	DANUA	CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD FURNITURE PLAN	A3
EXTERNAL REFERENCE FILES				WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING	DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	
						0 5 10 15 20 HORIZONTAL SCALE 1:500m			DRAWN	M. BAKER	MAY 24	
						CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)	HEIGHT DATUM A.H.D.		DRG CHECK	J. MASON	MAY 24	
									DESIGN	M. BAKER	MAY 24	
									DESIGN CHECK	J. MASON	MAY 24	
									DESIGN MNGR	J. MASON	MAY 24	
									PROJECT MNGR	B. TOMIC	MAY 24	
									PREPARED FOR		----	
											ISSUE STATUS NOT FOR CONSTRUCTION	
											SHEET No. RF-102	
											ISSUE 6	

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50mm ON A3 SIZE ORIGINAL

LEGEND

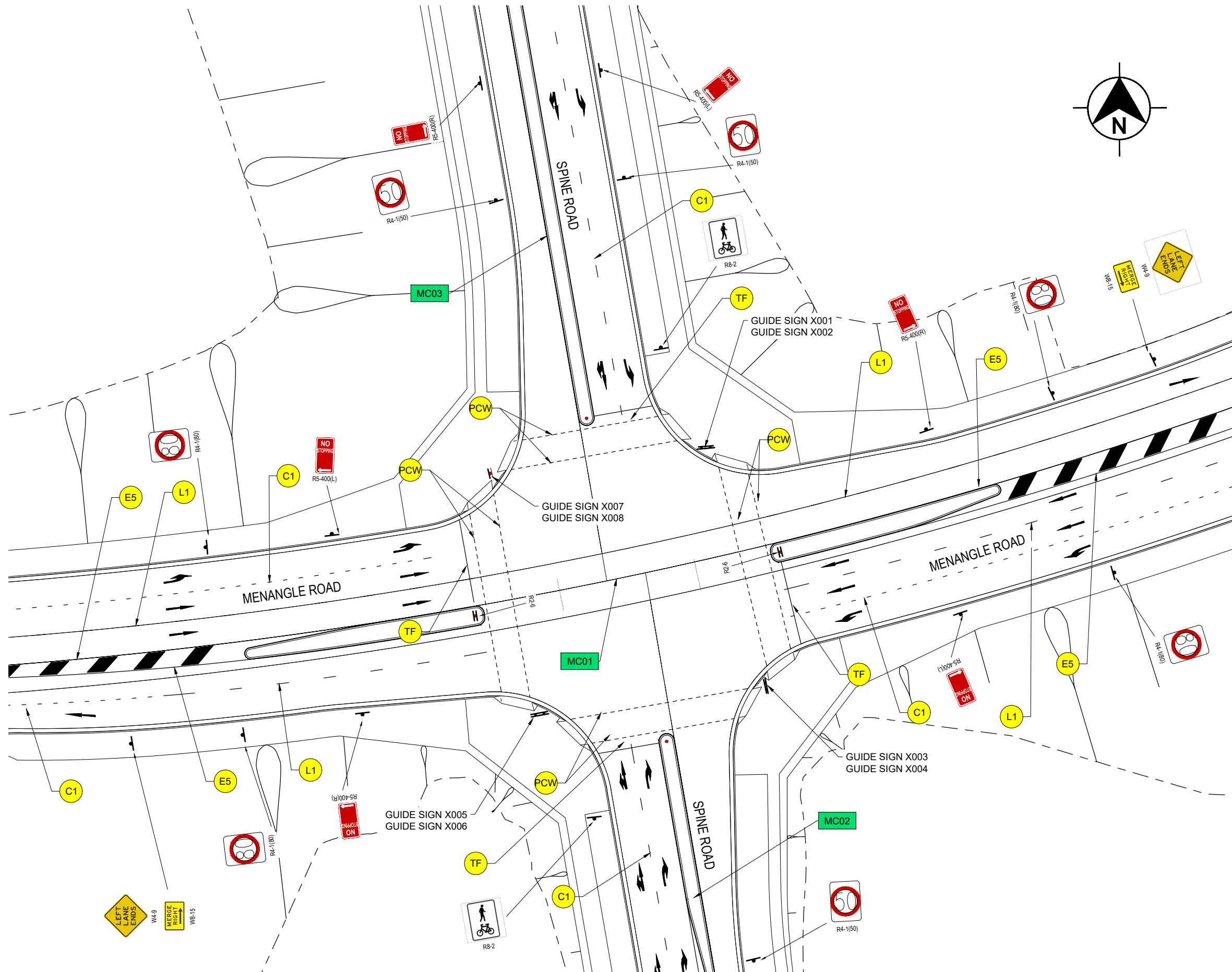
- E1 LINEMARKING TYPE
- TRAFFIC SIGNAL
- TRAFFIC SIGN

NOTES

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- ENSURE BARRIER TYPE ACHIEVES MINIMUM LENGTHS.

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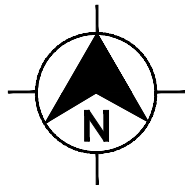
50mm ON A3 SIZE ORIGINAL



PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD FURNITURE PLAN		A3			
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE		PREPARED FOR ----	ISSUE STATUS		SHEET No.	ISSUE No.
		1	03/08/23	FIRST ISSUE				0 5 10 15 20 HORIZONTAL SCALE 1:500m				DRAWN	M. BAKER	MAY 24			NOT FOR CONSTRUCTION		RF-103	6
		2	18/08/23	MINOR AMENDMENTS								DRG CHECK	J. MASON	MAY 24						
		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24						
		4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24						
		5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24						
		6	17/05/24	MINOR AMENDMENTS				CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020) A.H.D.				PROJECT MNGR	B. TOMIC	MAY 24						

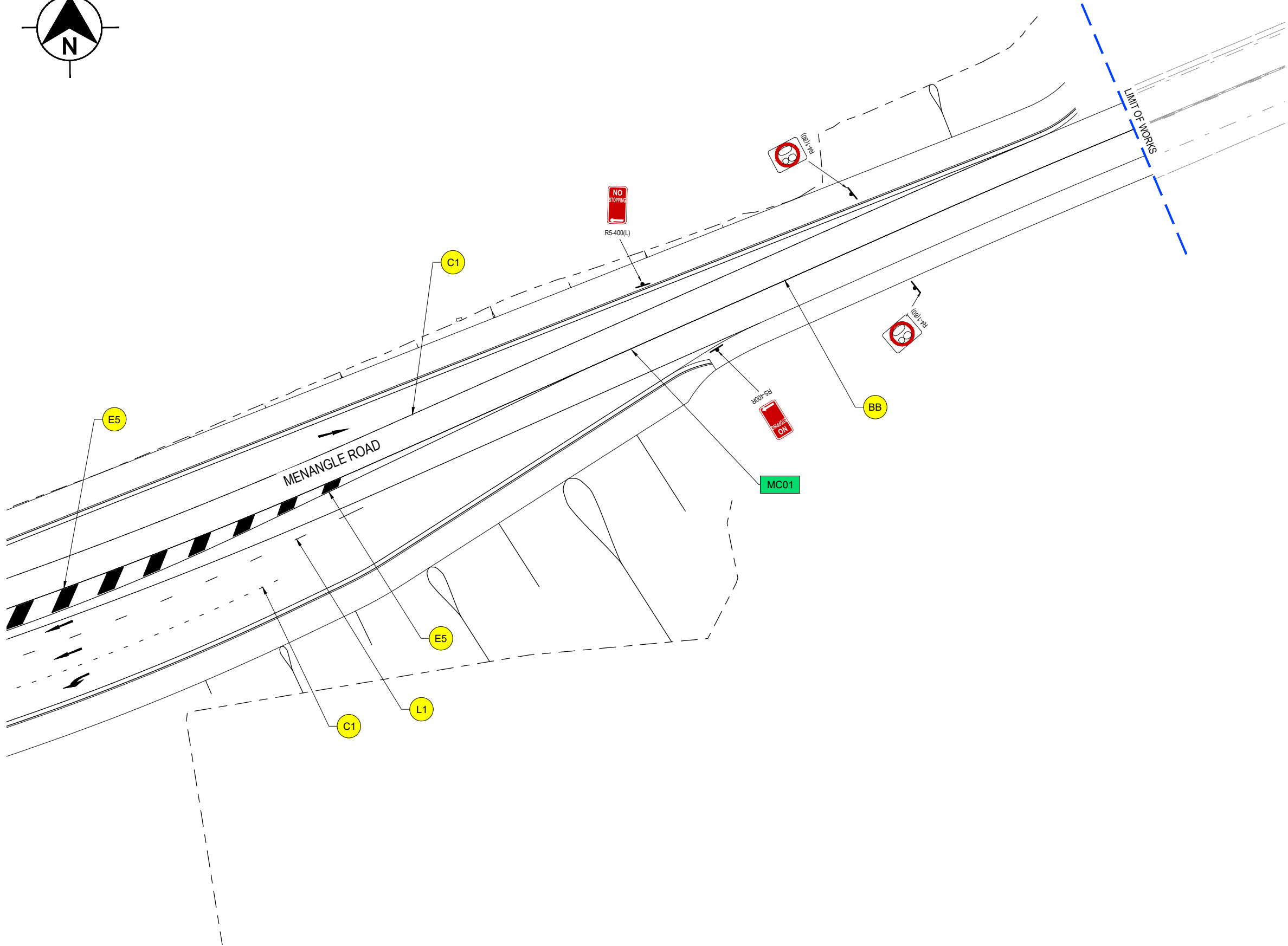


LEGEND

- E1 LINEMARKING TYPE
- TRAFFIC SIGNAL
- TRAFFIC SIGN

NOTES

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- ENSURE BARRIER TYPE ACHIEVES MINIMUM LENGTHS.



PRODUCED IN COLOUR

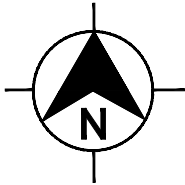
NOT FOR CONSTRUCTION

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED
50mm ON A3 SIZE ORIGINAL

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY			CLIENT 		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD FURNITURE PLAN			A3			
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY									TITLE	NAME	DATE
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			3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS																	
			4	26/03/24	MINOR AMENDMENTS																	
			5	16/05/24	CLIENT COMMENTS ADDRESSED																	
			6	17/05/24	MINOR AMENDMENTS																	
CO-ORDINATE SYSTEM		HEIGHT DATUM		DESIGN CHECK			J. MASON	MAY 24														
MGA ZONE 55 (GDA2020)		A.H.D.		DESIGN MNGR			J. MASON	MAY 24														
				PROJECT MNGR			B. TOMIC	MAY 24														

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50mm ON A3 SIZE ORIGINAL



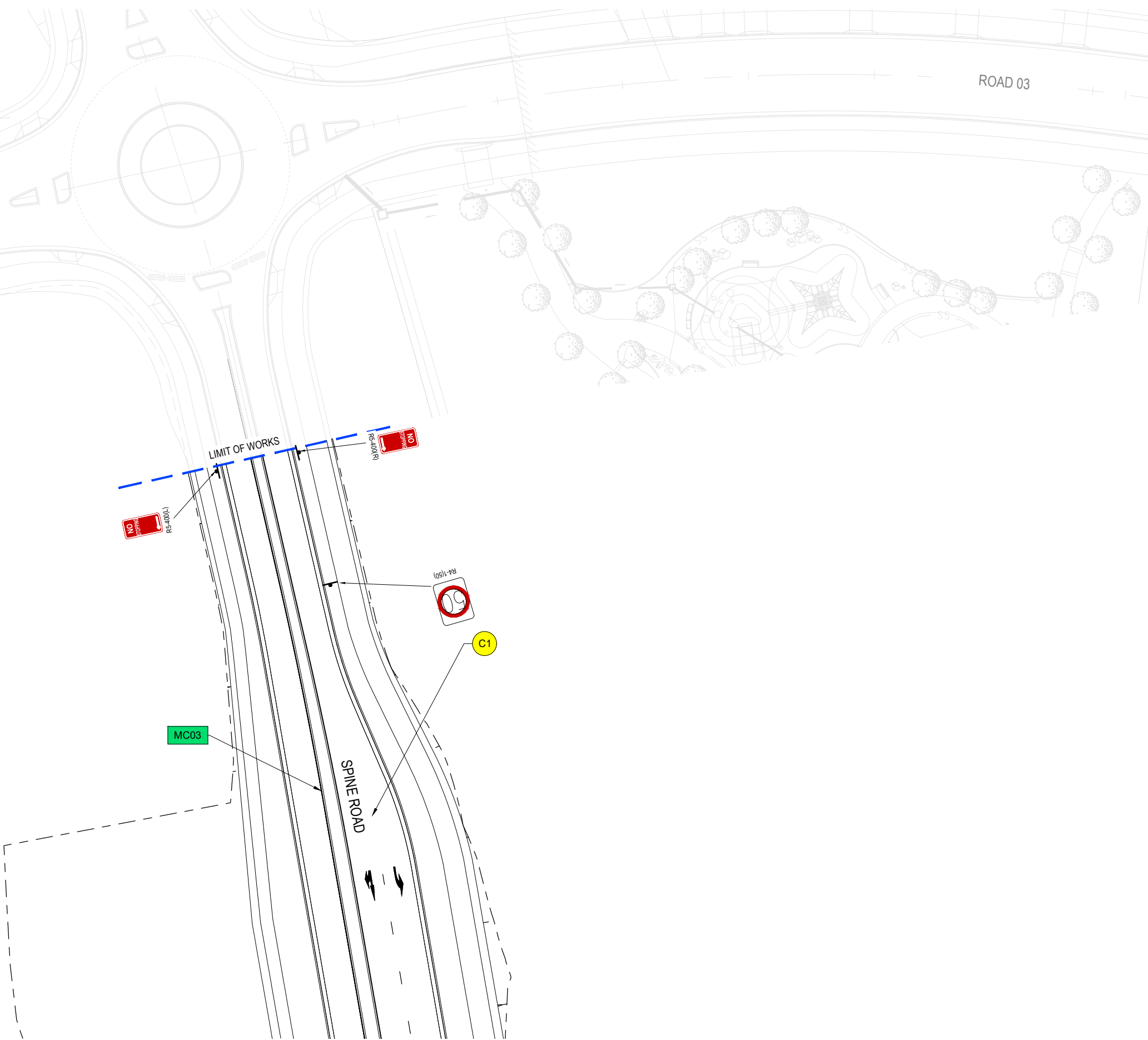
LEGEND

- E1

LINEMARKING TYPE
- TRAFFIC SIGNAL
- TRAFFIC SIGN

NOTES

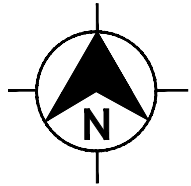
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9. SIGN POSTS LOCATED WITHIN THE CLEARZONE NEED TO BE INSTALLED WITH A FRANGIBLE SLIP BASE IN ACCORDANCE WITH AS1742.2.
10. ENSURE BARRIER TYPE ACHIEVES MINIMUM LENGTHS.



PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME		PLOT BY		DANUA	CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD FURNITURE PLAN	A3						
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY				TITLE	NAME	DATE			
			1	03/08/23	FIRST ISSUE				05101520 HORIZONTAL SCALE 1:500m		egis				DRAWN	M. BAKER	MAY 24			
			2	18/08/23	MINOR AMENDMENTS										DRG CHECK	J. MASON	MAY 24			
			3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS										DESIGN	M. BAKER	MAY 24			
			4	26/03/24	MINOR AMENDMENTS										DESIGN CHECK	J. MASON	MAY 24			
			5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24					
6	17/05/24	MINOR AMENDMENTS		PROJECT MNGR	B. TOMIC	MAY 24														
						CO-ORDINATE SYSTEM		HEIGHT DATUM								ISSUE STATUS		SHEET No.		ISSUE
						MGA ZONE 55 (GDA2020)		A.H.D.						NOT FOR CONSTRUCTION		RF-105		6		



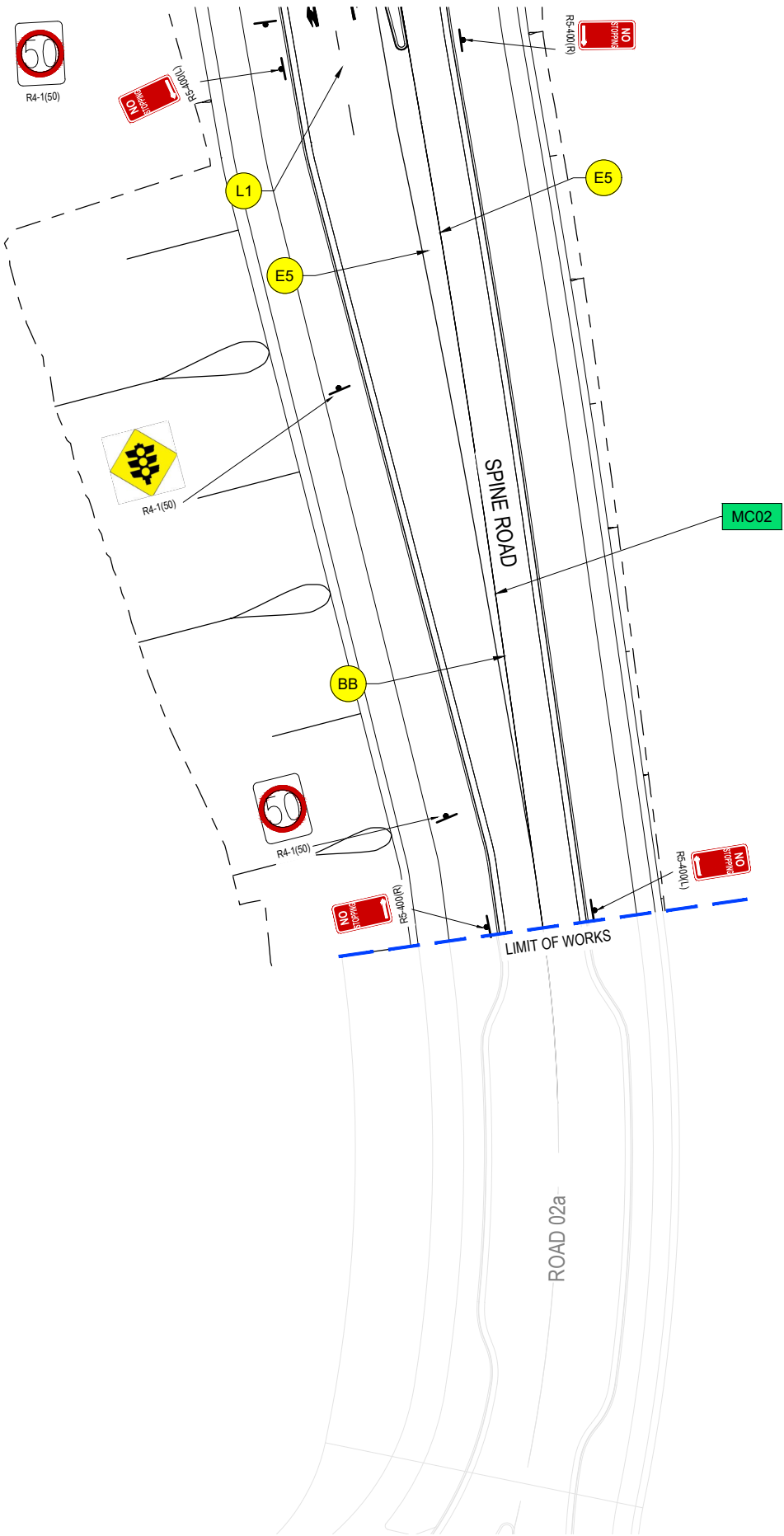
LEGEND

- E1

LINEMARKING TYPE
- TRAFFIC SIGNAL
- TRAFFIC SIGN

NOTES

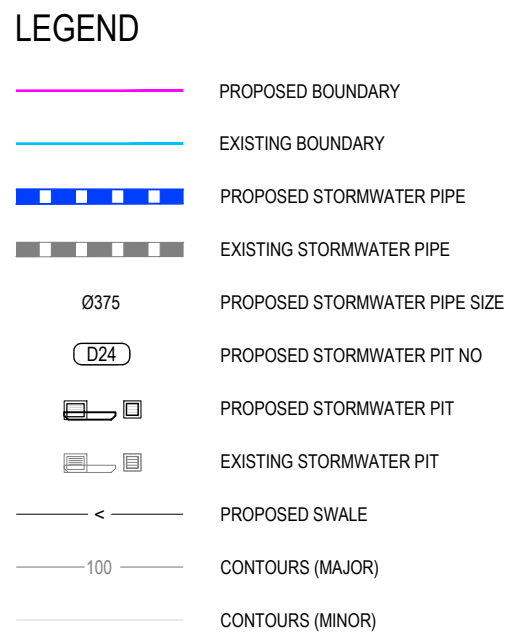
1. FOR LINEMARKING SCHEDULE REFER TO SHEET RF-0001.
2. ALL REDUNDANT LINEMARKING TO BE REMOVED.
3. PAVEMENT MARKING AND SIGNPOSTING TO BE IN ACCORDANCE WITH TNSW STANDARDS.
4. ALL WARNING/REGULATORY SIGNS ARE TO BE B SIZE UNLESS OTHERWISE NOTED.
5. ALL EXISTING SIGN CONDITION TO BE DETERMINED FIT FOR PURPOSE PRIOR TO INSTALLATION.
6. ALL NEW SAFETY BARRIERS (INCLUDING TERMINALS) ARE TO BE TNSW APPROVED PRODUCTS.
7. EDGE LINE E1 TO HAVE ATLM (AUDIO TACTILE LINE MARKING) BLACK, 300mm OFFSET FROM WHITE LINE.
8. EDGE LINE E5 TO HAVE ATLM (AUDIO TACTILE LINE MARKING) INCORPORATED IN WHITE LINE.
9. SIGN POSTS LOCATED WITHIN THE CLEARZONE NEED TO BE INSTALLED WITH A FRANGIBLE SLIP BASE IN ACCORDANCE WITH AS1742.2.
10. ENSURE BARRIER TYPE ACHIEVES MINIMUM LENGTHS.



PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		DANUA	CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD ROAD FURNITURE PLAN	A3			
EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY			TITLE	NAME	DATE	
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				2	18/08/23	MINOR AMENDMENTS				HORIZONTAL SCALE 1:500m					DRG CHECK	J. MASON	MAY 24	
				3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS									DESIGN	M. BAKER	MAY 24	
				4	26/03/24	MINOR AMENDMENTS									DESIGN CHECK	J. MASON	MAY 24	
				5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24		
				6	17/05/24	MINOR AMENDMENTS								PROJECT MNGR	B. TOMIC	MAY 24		
										CO-ORDINATE SYSTEM								
										HEIGHT DATUM								
										MGA ZONE 55 (GDA2020) A.H.D.								



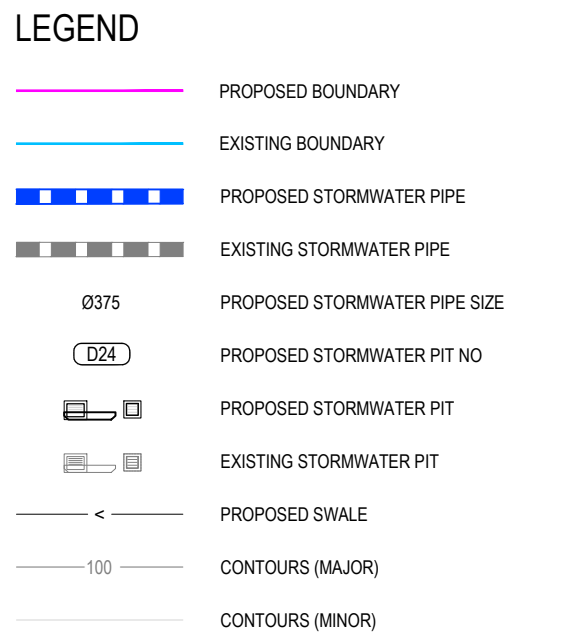
ADDITIONS SHEET SM-002

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NOT FOR CONSTRUCTION

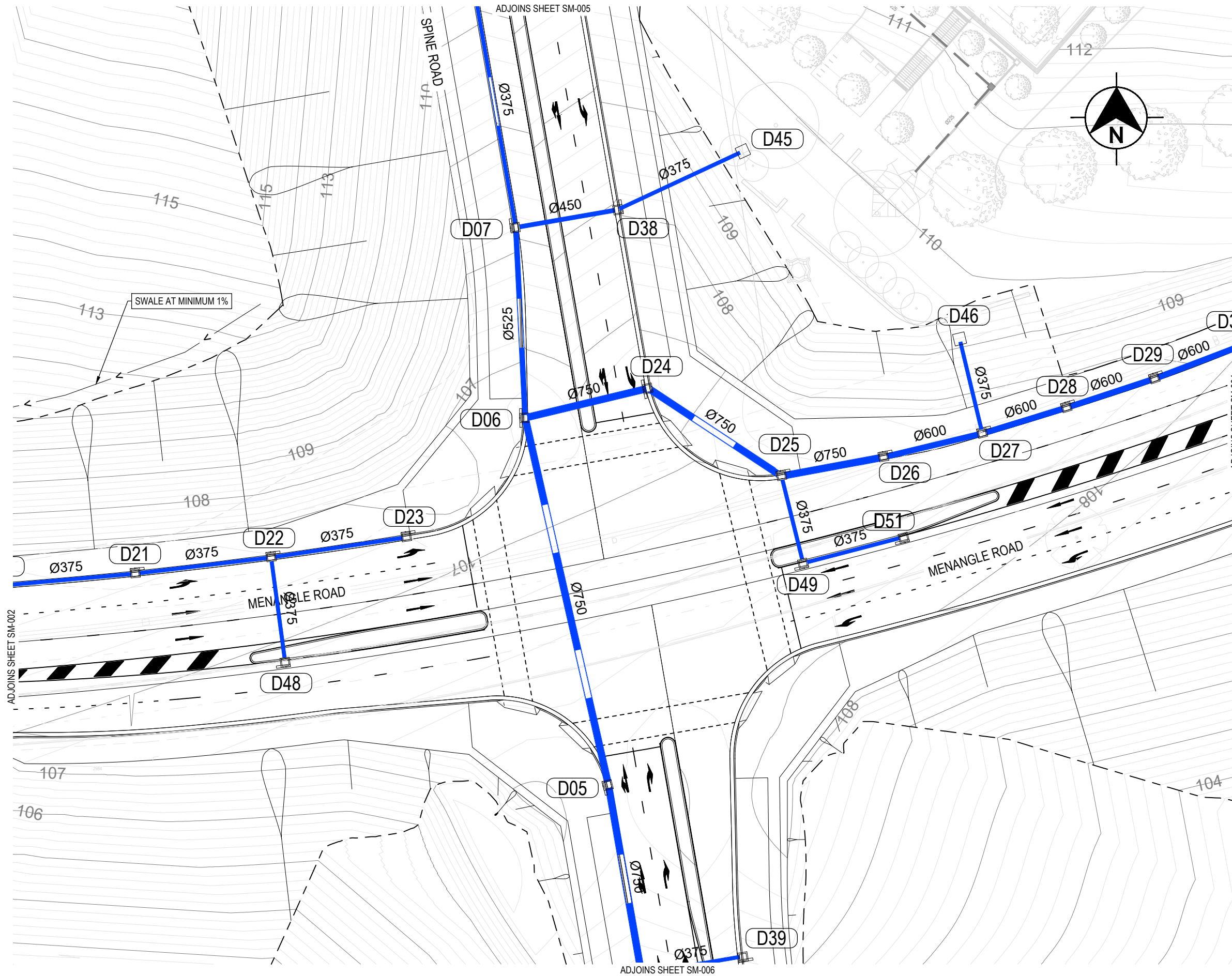
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EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE		NAME				DATE	
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		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN		M. BAKER		MAY 24			
		4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK		J. MASON		MAY 24			
		5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR		J. MASON		MAY 24			
		6	17/05/24	MINOR AMENDMENTS				CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)				PROJECT MNGR		B. TOMIC		MAY 24			
								HEIGHT DATUM A.H.D.											
														PREPARED FOR					

														ISSUE STATUS		SHEET No.		ISSUE	
														NOT FOR CONSTRUCTION		SM-001		6	



NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		 CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD STORMWATER MANAGEMENT			A3	
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE		NAME				DATE	
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		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN		M. BAKER		MAY 24			
		4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK		J. MASON		MAY 24			
		5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR		J. MASON		MAY 24			
		6	17/05/24	MINOR AMENDMENTS								PROJECT MNGR		B. TOMIC		MAY 24			
								CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)								PREPARED FOR ---- ----			
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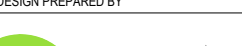
LEGEND

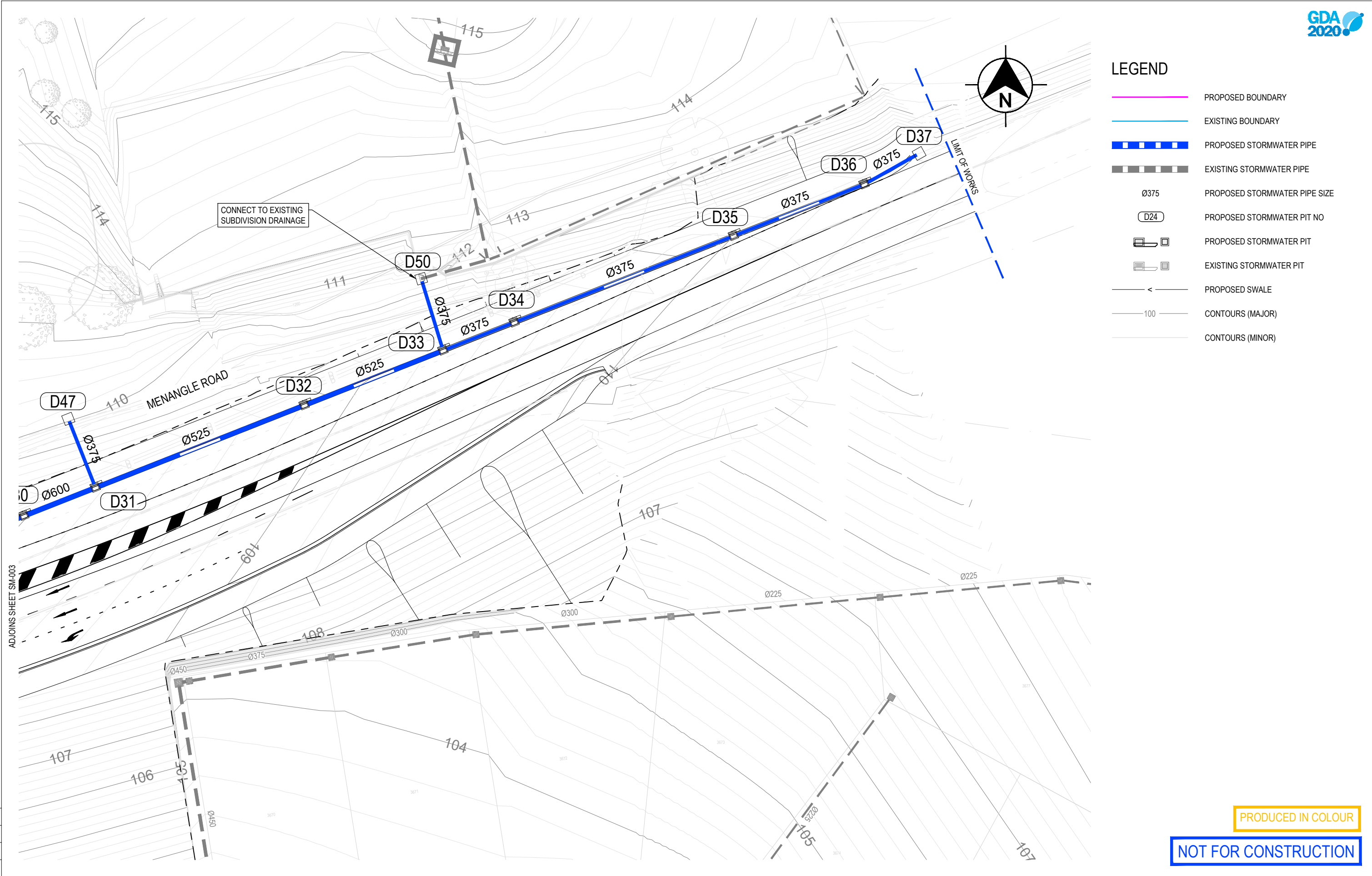
- PROPOSED BOUNDARY
- EXISTING BOUNDARY
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIPE SIZE
- PROPOSED STORMWATER PIT NO
- PROPOSED STORMWATER PIT
- EXISTING STORMWATER PIT
- PROPOSED SWALE
- CONTOURS (MAJOR)
- CONTOURS (MINOR)

PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

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50mm ON A3 SIZE ORIGINAL

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD STORMWATER MANAGEMENT		A3				
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	 PREPARED FOR ----		ISSUE STATUS NOT FOR CONSTRUCTION		SHEET No. SM-003		ISSUE No. 6
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		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS							DESIGN	M. BAKER	MAY 24								
		4	26/03/24	MINOR AMENDMENTS							DESIGN CHECK	J. MASON	MAY 24								
		5	16/05/24	CLIENT COMMENTS ADDRESSED							DESIGN MNGR	J. MASON	MAY 24								
		6	17/05/24	MINOR AMENDMENTS							PROJECT MNGR	B. TOMIC	MAY 24								
								CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)													
								HEIGHT DATUM A.H.D.													



LEGEND

- PROPOSED BOUNDARY
- EXISTING BOUNDARY
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIPE SIZE
- PROPOSED STORMWATER PIT NO
- PROPOSED STORMWATER PIT
- EXISTING STORMWATER PIT
- PROPOSED SWALE
- CONTOURS (MAJOR)
- CONTOURS (MINOR)

PRODUCED IN COLOUR

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50mm ON A3 SIZE ORIGINAL

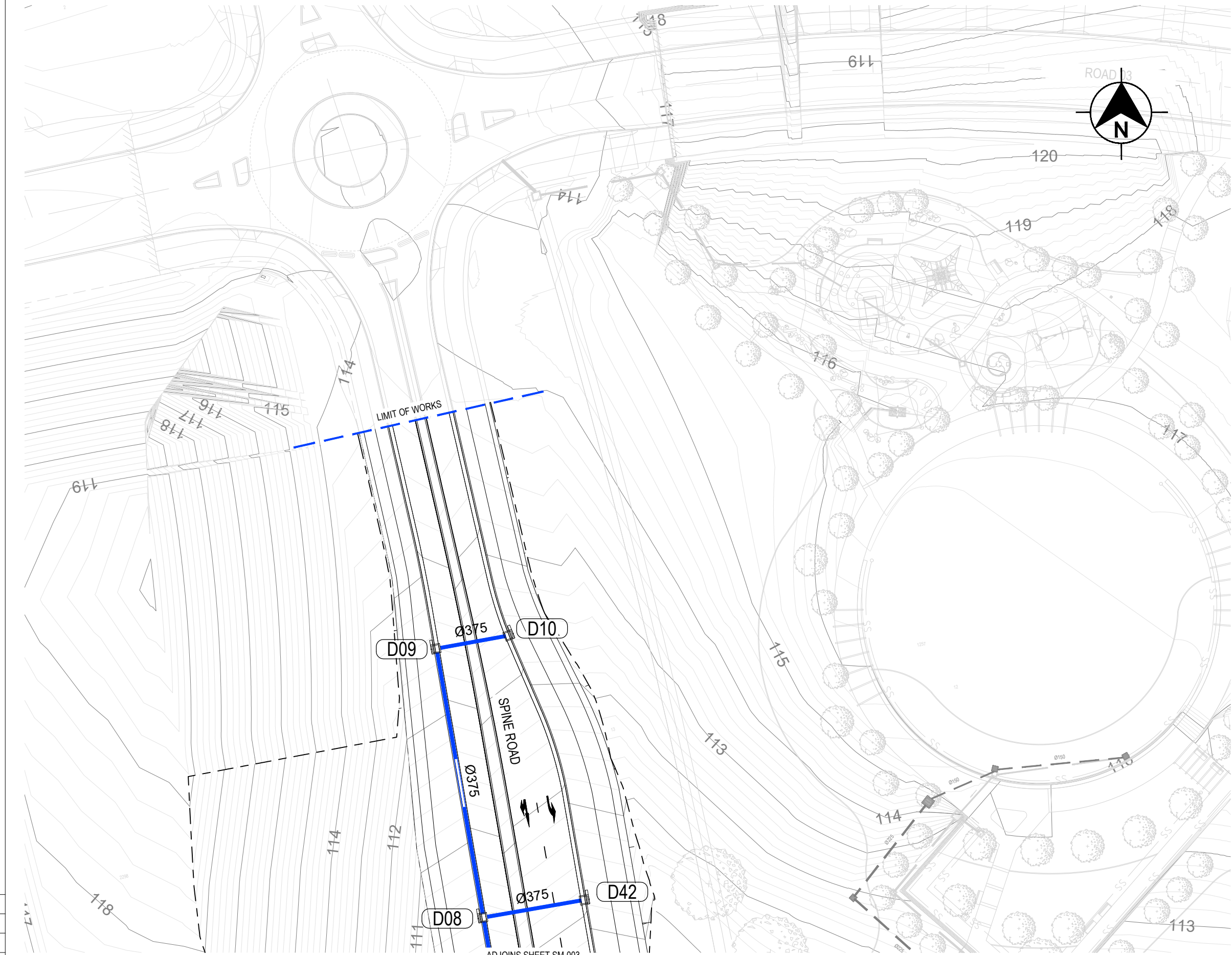
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EXTERNAL REFERENCE FILES				REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE					NAME	DATE	PREPARED FOR			
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				4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24								
				5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24								
				6	17/05/24	MINOR AMENDMENTS								PROJECT MNGR	B. TOMIC	MAY 24								
										CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.												

LEGEND

- PROPOSED BOUNDARY
- EXISTING BOUNDARY
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIPE SIZE
- PROPOSED STORMWATER PIT NO
- PROPOSED STORMWATER PIT
- EXISTING STORMWATER PIT
- PROPOSED SWALE
- CONTOURS (MAJOR)
- CONTOURS (MINOR)

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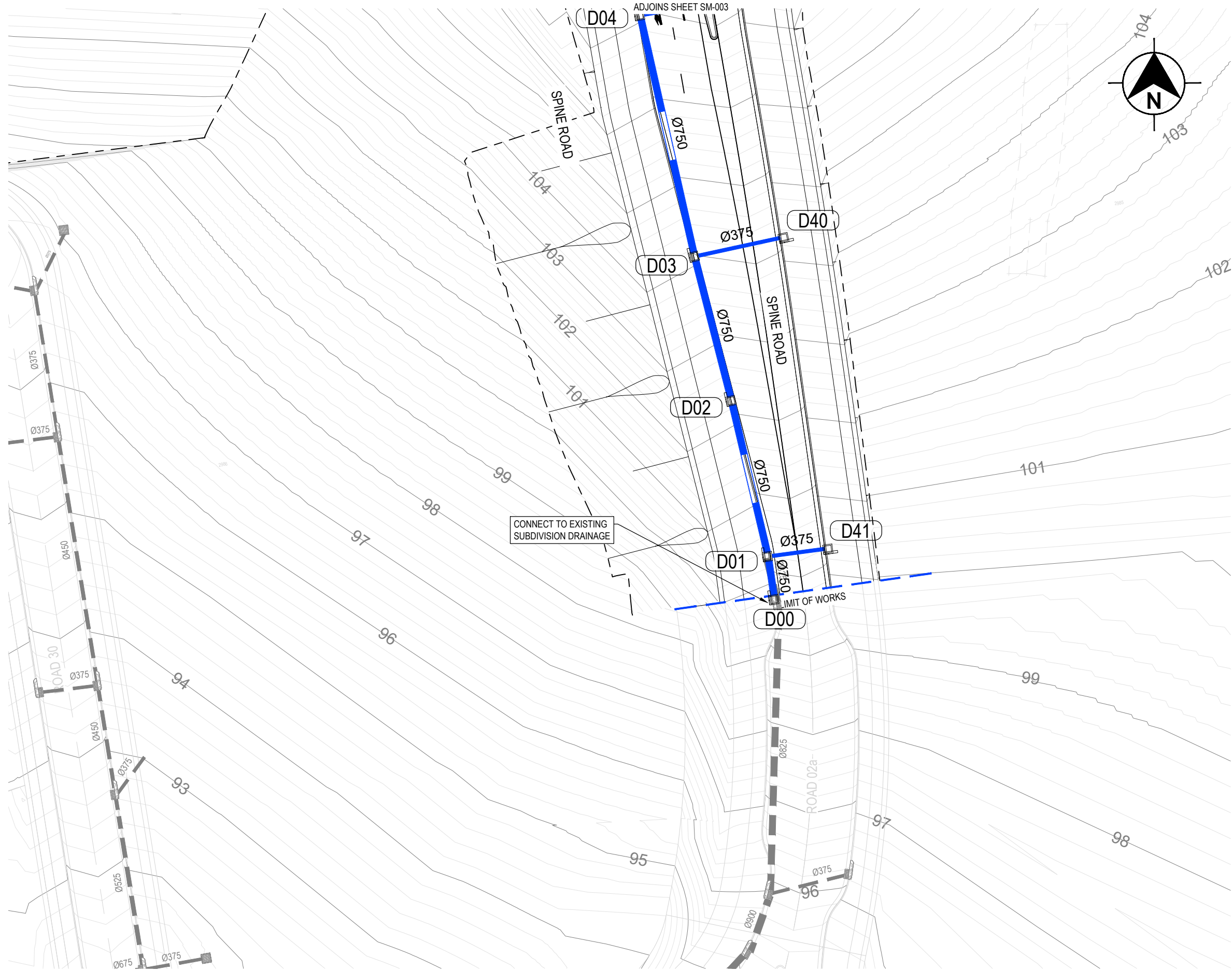
50mm ON A3 SIZE ORIGINAL



PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD STORMWATER MANAGEMENT		A3					
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE			PREPARED FOR		ISSUE STATUS		SHEET No.	
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		4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24								
		5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24								
		6	17/05/24	MINOR AMENDMENTS								PROJECT MNGR	B. TOMIC	MAY 24								



LEGEND

- PROPOSED BOUNDARY
- EXISTING BOUNDARY
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- Ø375 PROPOSED STORMWATER PIPE SIZE
- D24 PROPOSED STORMWATER PIT NO
- PROPOSED STORMWATER PIT
- EXISTING STORMWATER PIT
- PROPOSED SWALE
- 100 CONTOURS (MAJOR)
- CONTOURS (MINOR)

PRODUCED IN COLOUR

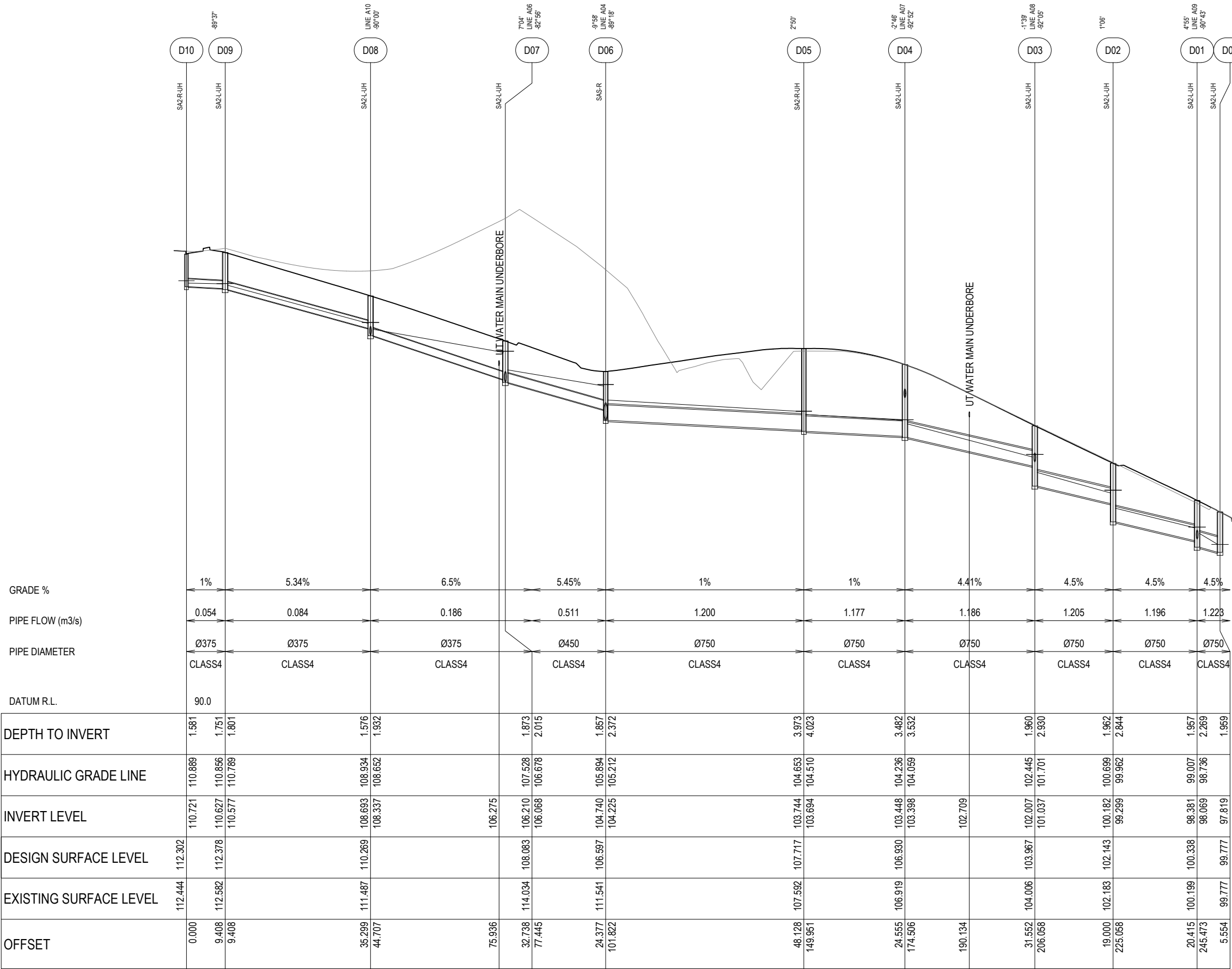
NOT FOR CONSTRUCTION

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50mm ON A3 SIZE ORIGINAL

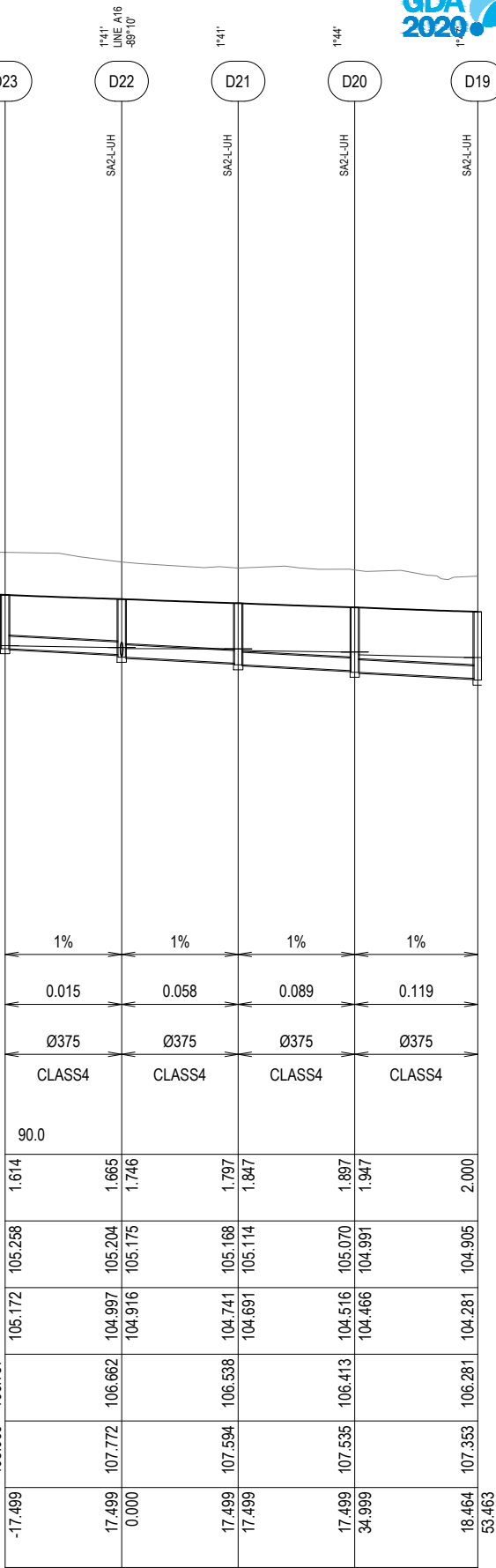
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EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	 PREPARED FOR ----- -----		ISSUE STATUS NOT FOR CONSTRUCTION	SHEET No. SM-006	ISSUE 6
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		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24					
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		5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24					
		6	17/05/24	MINOR AMENDMENTS								PROJECT MNGR	B. TOMIC	MAY 24					
								CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)											
								HEIGHT DATUM A.H.D.											

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50mm ON A3 SIZE ORIGINAL



A01



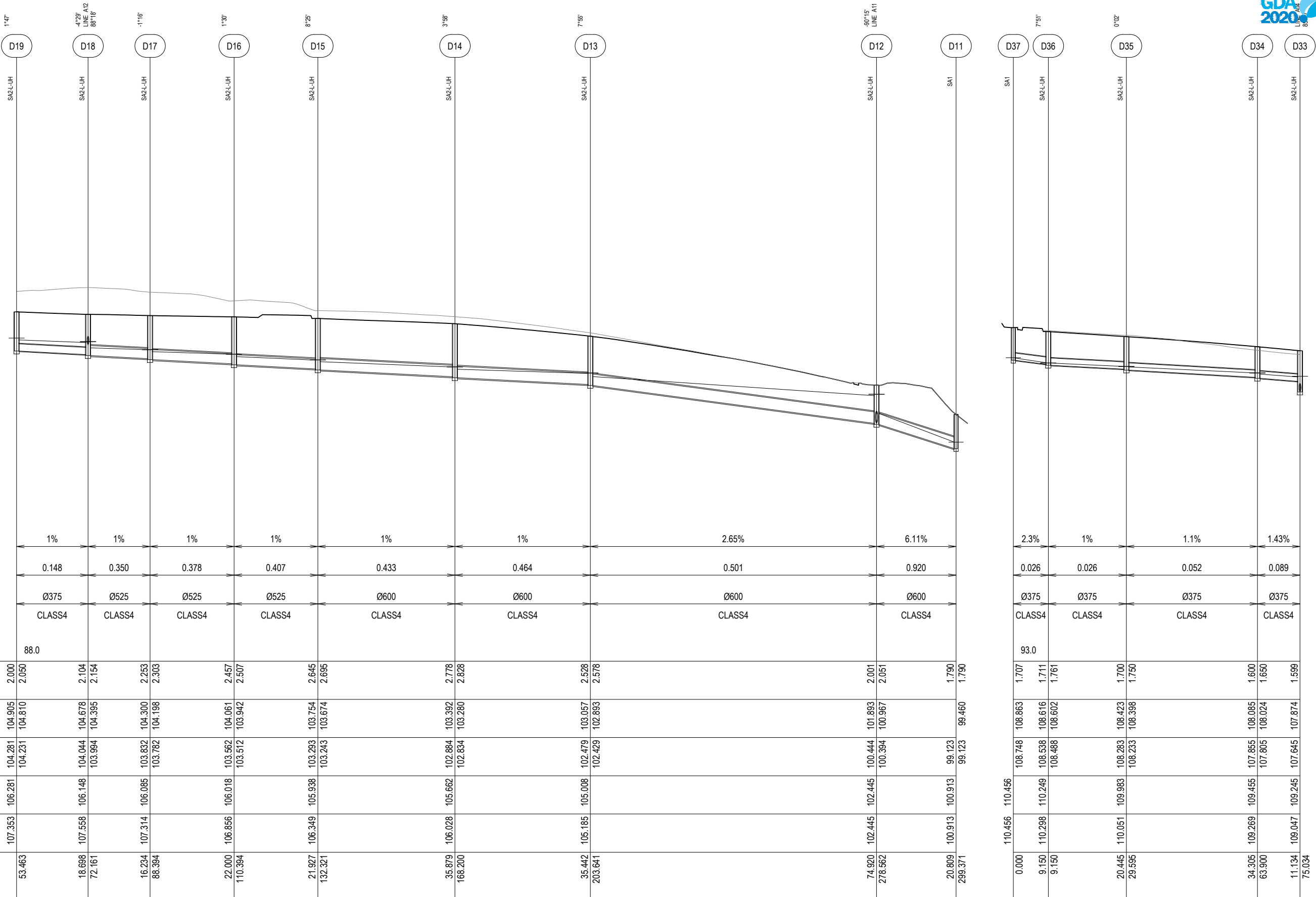
A02

NOT FOR CONSTRUCTION

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EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE		PREPARED FOR ----- -----	ISSUE STATUS NOT FOR CONSTRUCTION	SHEET No. SM-050	ISSUE 6
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			4	26/03/24	MINOR AMENDMENTS				DESIGN CHECK	J. MASON			MAY 24							
			5	16/05/24	CLIENT COMMENTS ADDRESSED				CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)				DESIGN MNGR	J. MASON	MAY 24					
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THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

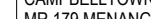
0 5 10 15 20 25 30 35 40 45 50mm ON A3 SIZE ORIGINAL



A02 A04 NOT FOR CONSTRUCTION

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		4	26/03/24	MINOR AMENDMENTS						DESIGN CHECK	J. MASON	MAY 24										
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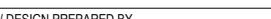


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EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	 PREPARED FOR ---- ----	ISSUE STATUS NOT FOR CONSTRUCTION	SHEET No. SM-052	ISSUE 6
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		4	26/03/24	MINOR AMENDMENTS				DESIGN CHECK	J. MASON			MAY 24						
		5	16/05/24	CLIENT COMMENTS ADDRESSED				CO-ORDINATE SYSTEM		HEIGHT DATUM		DESIGN MNGR	J. MASON	MAY 24				
		6	17/05/24	MINOR AMENDMENTS				MGA ZONE 55 (GDA2020)		A.H.D.		PROJECT MNGR	B. TOMIC	MAY 24				

A3

 CATCHMENT AREA
 EXTERNAL CATCHMENT AREA
 OVERLAND FLOW DIRECTION

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD STORMWATER DRAINAGE CATCHMENT PLAN			A3				
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	 PREPARED FOR ---- ----	ISSUE STATUS NOT FOR CONSTRUCTION			SHEET No. SM-200		ISSUE 6	
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	3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS				DESIGN	M. BAKER			MAY 24											
	4	26/03/24	MINOR AMENDMENTS				DESIGN CHECK	J. MASON			MAY 24											
	5	16/05/24	CLIENT COMMENTS ADDRESSED						DESIGN MNGR	J. MASON	MAY 24											
	6	17/05/24	MINOR AMENDMENTS				CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.		PROJECT MNGR	B. TOMIC	MAY 24									

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

50mm ON A3 SIZE ORIGINAL

Node Name	Node Type	Setout Easting	Setout Northing	Setout RL	Catch ID	Time Tc	Intensity I	Runoff C	Area A	Full CA	Full Sum CA	Full Qc=CA	Partial CA	Partial Sum CA	Partial Qc=CA	Approach Flow Qa	Road Capacity	Flooded Depth	Flooded Width	Flooded Vel.Dep
(-)	(-)	(m)	(m)	(m)	(-)	(min)	(mm/hr)	(-)	(ha)	(ha)	(ha)	(L/s)	(ha)	(ha)	(L/s)	(L/s)	(L/s)	(m)	(m)	(sq.m/s)
D10	SA2-R-UH	293106.920	6223656.140	112.300	1P	10.000	166.250	0.750	0.071	0.053	0.116	53.700	0.026	0.090	52.700	53.700	4722.000	0.067	1.910	0.080
D09	SA2-L-UH	293097.660	6223654.470	112.380	1P	10.000	166.250	0.750	0.006	0.005	0.057	26.100	0.002	0.054	31.800	31.800	3805.100	0.059	1.170	0.070
D08	SA2-L-UH	293103.720	6223619.690	110.270	1P	10.000	166.250	0.750	0.014	0.011	0.125	57.700	0.005	0.120	70.100	70.100	4403.900	0.074	1.640	0.110
D07	SA2-L-UH	293109.340	6223587.440	108.080	1P	10.000	166.250	0.750	0.015	0.011	0.128	59.100	0.005	0.123	71.800	71.800	4475.000	0.073	1.690	0.110
D06	SAS-R	293110.540	6223563.090	106.600	1P	10.000	166.250	0.750	0.023	0.017	0.206	95.000	0.009	0.197	115.500	115.500		0.000		
D05	SA2-R-UH	293121.180	6223516.150	107.720	1P	10.000	166.250	0.750	0.003	0.002	0.024	11.100	0.001	0.023	13.500	13.500	8838.500	0.042	0.560	0.050
D04	SA2-L-UH	293125.420	6223491.970	106.930	1P	10.000	166.250	0.750	0.005	0.004	0.041	19.100	0.002	0.040	23.200	23.200	8629.400	0.048	0.720	0.070
D03	SA2-L-UH	293132.360	6223461.190	103.970	1P	10.000	166.250	0.750	0.005	0.004	0.041	19.100	0.002	0.040	23.200	23.200	8629.400	0.048	0.720	0.070
D02	SA2-L-UH	293137.070	6223442.780	102.140	1P	10.000	166.250	0.750	0.004	0.003	0.039	17.900	0.002	0.037	21.700	21.700	564.700	0.047	0.750	0.070
D01	SA2-L-UH	293141.750	6223422.910	100.340	1P	10.000	166.250	0.750	0.004	0.003	0.039	17.900	0.002	0.037	21.700	21.700	564.700	0.047	0.750	0.070
D00	SA2-L-UH	293142.560	6223417.410	99.780	1P	10.000	166.250	0.750	0.003	0.002	0.026	12.100	0.001	0.025	14.700	14.700	3018.800	0.064	1.310	0.030
D23	SA2-L-UH	293095.340	6223547.810	106.790	1P	10.000	166.250	0.750	0.003	0.002	0.026	12.100	0.001	0.025	14.700	14.700	3018.800	0.064	1.310	0.030
D22	SA2-L-UH	293078.030	6223545.240	106.660	1P	10.000	166.250	0.750	0.005	0.004	0.046	21.200	0.002	0.044	25.800	25.800	3078.500	0.076	1.700	0.040
D21	SA2-L-UH	293060.660	6223543.170	106.540	1P	10.000	166.250	0.750	0.006	0.005	0.056	25.800	0.002	0.053	31.300	31.300	3075.500	0.080	1.860	0.040
D20	SA2-L-UH	293043.230	6223541.610	106.410	1P	10.000	166.250	0.750	0.007	0.005	0.058	26.600	0.002	0.055	32.300	32.300	3075.200	0.081	1.880	0.040
D19	SA2-L-UH	293024.790	6223540.520	106.280	1P	10.000	166.250	0.750	0.006	0.005	0.053	24.700	0.002	0.051	30.000	30.000	3075.300	0.079	1.820	0.040
D18	SA2-L-UH	293006.100	6223540.000	106.150	1P	10.000	166.250	0.750	0.005	0.004	0.048	22.100	0.002	0.046	26.900	26.900	3075.600	0.077	1.740	0.040
D17	SA2-L-UH	292989.960	6223538.280	106.080	1P	10.000	166.250	0.750	0.006	0.005	0.057	26.200	0.002	0.054	31.800	31.800	2095.900	0.092	2.210	0.040
D16	SA2-L-UH	292968.140	6223535.470	106.020	1P	10.000	166.250	0.750	0.007	0.005	0.060	27.700	0.003	0.057	33.600	33.600	2095.900	0.093	2.260	0.040
D15	SA2-L-UH	292946.330	6223533.230	105.940	1P	10.000	166.250	0.750	0.006	0.005	0.055	25.500	0.002	0.053	31.100	31.100	2964.000	0.081	1.880	0.040
D14	SA2-L-UH	292910.490	6223534.840	105.660	1P	10.000	166.250	0.750	0.008	0.006	0.073	33.800	0.003	0.070	41.100	41.100	4096.200	0.080	1.840	0.060
D13	SA2-L-UH	292875.280	6223538.880	105.010	1P	10.000	166.250	0.750	0.009	0.007	0.083	38.500	0.004	0.080	46.800	46.800	5663.400	0.075	1.690	0.070
D12	SA2-L-UH	292802.720	6223557.570	102.440	1P	10.000	166.250	0.750	0.017	0.012	0.146	67.300	0.006	0.140	81.800	81.800				
D11	SA1	292797.620	6223537.400	100.910	1P	10.000	166.250	0.750	0.005	0.004	0.046	21.200	0.002	0.044	25.800	25.800	0.000	0.003	0.050	4.180
D50	SA1	293260.060	6223606.900	110.370	1P	10.000	166.250	0.750	0.005	0.004	0.046	21.200	0.002	0.044	25.800	25.800	0.000	0.003	0.050	4.180
D37	SA1	293332.510	6223625.110	110.460	1P	10.000	166.250	0.750	0.005	0.004	0.046	21.200	0.002	0.044	25.800	25.800	0.000	0.003	0.050	4.180
D36	SA2-L-UH	293324.540	6223620.620	110.250	1P	10.000	166.250	0.750	0.005	0.005	0.048	22.200	0.002	0.046	27.000	27.000	4031.700	0.070	1.530	0.050
D35	SA2-L-UH	293305.530	6223613.110	109.980	1P	10.000	166.250	0.750	0.008	0.006	0.069	32.000	0.003	0.066	38.900	38.900	1539.200	0.074	1.690	0.060
D34	SA2-L-UH	293273.610	6223600.520	109.460	1P	10.000	166.250	0.750	0.003	0.002	0.028	13.100	0.001	0.027	15.900	15.900	1613.800	0.056	1.060	0.040
D33	SA2-L-UH	293263.260	6223596.430	109.240	1P	10.000	166.250	0.750	0.004	0.003	0.032	14.600	0.001	0.030	17.800	17.800	1664.300	0.057	1.110	0.040
D32	SA2-L-UH	293243.070	6223588.470	108.790	1P	10.000	166.250	0.750	0.004	0.003	0.032	14.600	0.001	0.030	17.800	17.800	1664.300	0.057	1.110	0.040
D31	SA2-L-UH	293212.670	6223576.480	108.150	1P	10.000	166.250	0.750	0.010	0.008	0.089	40.900	0.004	0.085	49.800	49.800	4824.700	0.081	1.870	0.070
D30	SA2-L-UH	293202.270	6223572.370	107.970	1P	10.000	166.250	0.750	0.005	0.004	0.042	19.400	0.002	0.040	23.600	23.600	4616.900	0.066	1.360	0.050
D29	SA2-L-UH	293191.050	6223568.100	107.800	1P	10.000	166.250	0.750	0.005	0.004	0.043	20.000	0.002	0.042	24.300	24.300	4389.600	0.067	1.410	0.050
D28	SA2-L-UH	293179.800	6223564.390	107.630	1P	10.000	166.250	0.750	0.005	0.004	0.041	19.100	0.002	0.040	23.300	23.300	4137.600	0.067	1.420	0.040
D27	SA2-L-UH	293169.030	6223561.090	107.500	1P	10.000	166.250	0.750	0.005	0.003	0.040	18.200	0.002	0.038	22.200	22.200	3873.400	0.067	1.430	0.040
D26	SA2-L-UH	293156.390	6223558.060	107.340	1P	10.000	166.250	0.750	0.005	0.004	0.043	20.000	0.002	0.041	24.300	24.300	10946.000	0.069	1.500	0.040
D25	SA2-L-UH	293143.330	6223555.640	107.200	1P	10.000	166.250	0.750	0.003	0.002	0.029	13.300	0.001	0.028	16.200	16.200	8575.200	0.063	1.280	0.030
D24	SAS-L	293126.300	6223566.870	106.620	1P	10.000	166.250	0.750	0.022	0.016	0.190	87.800	0.008	0.182	106.800	106.800		0.000		
D38	SA2-R-UH	293122.310	6223589.700	107.920	1P	10.000	166.250	0.750	0.008	0.006	0.069	32.000	0.003	0.067	39.000	39.000	24428.600	0.061	1.210	0.080
D39	SA2-R-UH	293138.400	6223494.220	107.250	1P	10.000	166.250	0.750	0.002	0.001	0.016	7.100	0.001	0.015	8.700	8.700	4446.600	0.035	0.440	0.040
D40	SA2-R-UH	293143.690	6223463.650	104.310	1P	10.000	166.250	0.750	0.003	0.002	0.024	11.000	0.001	0.023	13.400	13.400	564.400	0.038	0.490	0.060
D41	SA2-R-UH	293149.350	6223423.930	100.330	1P	10.000	166.250	0.750	0.004	0.003	0.033	15.300	0.001	0.032	18.600	18.600	565.600	0.044	0.660	0.060
D42	SA2-R-UH	293116.700	6223621.950	110.100	1P	10.000	166.250	0.750	0.007	0.005	0.063	29.000	0.003	0.060	35.300	35.300	8306.500	0.060	1.180	0.080
D43	SA1	292804.810	6223565.820	102.680	1P	10.000	166.250	0.750	0.166	0.124	0.721	332.900	0.062	0.659	386.400	386.400				
D44	CAPPED PIPE	293005.300	6223550.480	108.070	1P	10.000	166.250	0.750	0.078	0.058	0.339	156.500	0.029	0.310	181.600	181.600				
D45	SA1	293138.390	6223597.180	109.680	1P	10.000	166.250	0.750	0.299	0.224	0.494	228.000	0.112	0.382	223.700	228.000				
D46	SA1	293166.120	6223573.190	109.180	1P	10.000	166.250	0.750	0.093	0.069	0.153	70.500	0.035	0.118	69.200	70.500				
D47	SA1	293208.720	6223586.500	110.090	1P	10.000	166.250	0.750	0.038	0.028	0.062	28.600	0.014	0.048	28.100	28.600				
D48	SA2-L-UH	293079.820	6223531.910	107.080	1P	10.000	166.250	0.750	0.004	0.003	0.032	14.800	0.001	0.031	18.000	18.000	259.800	0.048	1.620	0.020
D51	SA2-L-UH	293158.940	6223547.840	107.670	1P	10.000	166.250	0.750	0.001	0.001	0.011	5.000	0.001	0.010	6.000	6.000	290.000	0.031	1.020	0.010
D49	SA2-L-UH	293146.110	6223544.500	107.560	1P	10.000	166.250	0.750	0.002	0.002	0.019	8.900	0.001	0.018	10.800	10.800	269.700	0.039	1.320	0.020

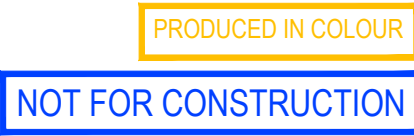


DRAWING FILE LOCATION / NAME					DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				PLOT DATE / TIME		
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THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED

50mm ON A3 SIZE ORIGINAL

Pipe	Pipe	Pipe	Pipe	Full Pipe	Pipe	Pipe	Full-a	Full-a	Full-a	Full-a	Part-a	Part-a	Part-a	Part-a	Catchm	Direct	Pipe	Capacit	Q/Qcap	Full Pipe	Norm	Crit	Capacit	US	Pipe	Pipe	DS	Cover	Pipe	Pipe	US	US	Pipe	P'head	WSE	Pipe	US	Pipe	Pipe	DS	HGL	HGL	F'board			
ID	Type	Length	Size	Area Af	Grade	Grade	Tct	I	Sum CA	Qc=CIA	Tct	I	Sum CA	Qc=CIA	Flow	Qc	Flow	Q	Flow	Ratio	Vf=Q/A f	Vn=Q/ An	Vc=Q/ Ac	Vcap=Q cap/Af	Grate RL	US IL	DS IL	Grate RL	Min	DS Bend	DS Drop	Ku	Kw	V'head	(Ku.V'h ead)	(Kw.V'h ead)	T'head Loss	HGL	US HGL	Pipe HGL	Pipe HGL	DS Node	HGL	Grade	Grade	US
(-)	(-)	(m)	(mm)	(sq.m)	(%)	(1 in)	(min)	(mm/hr)	(ha)	(L/s)	(min)	(mm/hr)	(ha)	(L/s)	(L/s)	(L/s)	(L/s)	(L/s)	(-)	(m/s)	(m/s)	(m/s)	(m/s)	(m)	(m)	(m)	(m)	(m)	(deg)	(m)	(-)	(-)	(m)	(m)	(m)	(m)	(m)	(m)	(m)	(%)	(1 in)	(m)				
D10 to D09	4.000	9.410	375.00 0	0.110	1.000	100.000	10.000	166.250	0.116	53.700	5.000	211.120	0.090	52.700	53.700		53.700	175.400	0.310	0.490	1.400	1.120	1.590	112.300	110.720	110.630	112.380	1.200	-89.60 0	0.050	9.700		0.010	0.120		0.070	111.010	110.890	110.860	110.870	0.350	286.30 0	1.300			
D09 to D08	4.000	35.300	375.00 0	0.110	5.340	18.700	10.080	165.780	0.173	79.600	5.080	210.180	0.144	84.100	84.100		84.100	405.20 0	0.210	0.760	2.890	1.300	3.670	112.380	110.580	108.690	110.270	1.200	0.000	0.356	2.260	2.660	0.030	0.070	0.080	1.880	110.870	110.790	108.930	108.980	5.260	19.000	1.510			
D08 to D07	4.000	32.740	375.00 0	0.110	6.500	15.400	10.370	164.030	0.361	164.300	5.370	206.66 0	0.324	186.200	186.200		186.200	447.100	0.420	1.690	3.860	1.880	4.050	110.270	108.340	106.210	108.080	1.490	7.100	0.142	1.940	2.280	0.140	0.280	0.330	1.160	108.980	108.650	107.530	107.580	3.430	29.100	1.290			
D07 to D06	4.000	24.380	450.00 0	0.159	5.450	18.300	10.650	162.400	1.052	474.40 0	5.570	204.33 0	0.901	511.400	511.400		511.400	665.90 0	0.770	3.220	4.610	3.240	4.190	108.080	106.070	104.740	106.600	1.230	-10.00 0	0.515	1.610	1.720	0.530	0.850	0.910	0.780	107.580	106.680	105.890	105.970	3.210	31.100	0.500			
D06 to D05	4.000	48.130	750.00 0	0.442	1.000	100.000	11.990	154.970	2.242	965.20 0	5.850	200.95 0	1.976	1103.10 0	1103.10 0	97.000	1200.10 0	1113.70 0	1.080	2.720	2.720	2.900	2.520	106.600	104.230	103.740	107.720	1.560	2.800	0.050	1.810	2.000	0.380	0.680	0.750	0.560	105.970	105.210	104.650	104.670	1.160	86.100	0.630			
D05 to D04	4.000	24.550	750.00 0	0.442	1.000	100.000	12.390	153.010	2.242	953.00 0	6.310	196.010	1.983	1079.80 0	1079.80 0	97.000	1176.80 0	1113.70 0	1.060	2.660	2.850	2.860	2.520	107.720	103.690	103.450	106.930	2.710	-2.800	0.050	0.400	0.440	0.360	0.140	0.160	0.270	104.670	104.510	104.240	104.260	1.120	89.600	3.050			
D04 to D03	4.000	31.550	750.00 0	0.442	4.410	22.700	12.590	152.010	2.282	963.50 0	6.520	193.950	2.022	1089.10 0	1089.10 0	97.000	1186.10 0	2338.9 0	0.510	2.680	5.310	2.880	5.290	106.930	103.400	102.010	103.970	1.200	-1.700	0.970	0.480	0.540	0.370	0.180	0.200	1.040	104.260	104.060	102.440	102.570	5.110	19.600	2.670			
D03 to D02	4.000	19.000	750.00 0	0.442	4.500	22.200	12.860	150.730	2.347	982.60 0	6.780	191.310	2.085	1107.90 0	1107.90 0	97.000	1204.90 0	2362.6 0	0.510	2.730	5.370	2.910	5.350	103.970	101.040	100.180	102.140	1.200	1.100	0.882	1.960	2.290	0.380	0.740	0.870	0.730	102.570	101.700	100.700	100.840	5.270	19.000	1.400			
D02 to D01	4.000	20.410	750.00 0	0.442	4.500	22.200	13.020	149.960	2.347	977.60 0	6.940	189.720	2.085	1098.70 0	1098.70 0	97.000	1195.70 0	2362.6 0	0.510	2.710	5.360	2.900	5.350	102.140	99.300	98.380	100.340	1.200	4.900	0.312	1.970	2.350	0.370	0.740	0.880	0.910	100.840	99.960	99.010	99.050	4.680	21.400	1.310			
D01 to D23	4.000	5.550	750.00 0	0.442	4.500	22.200	13.190	149.200	2.419	1002.50 0	7.110	188.160	2.155	1126.30 0	1126.30 0	97.000	1223.30 0	2362.6 0	0.520	2.770	5.390	2.950	5.350	100.340	98.070	97.820	99.780	1.200	0.000		0.690	0.800	0.390	0.270	0.310	0.000	99.050	98.740	98.200	98.200	9.620	10.400	1.290			
D23 to D22	4.000	17.500	375.00 0	0.110	1.000	100.000	10.000	166.250	0.026	12.100	5.000	211.120	0.025	14.700	14.700		14.700	175.400	0.080	0.130	0.960	0.770	1.590	106.790	105.170	105.000	106.660	1.200	1.700	0.082	7.000		0.000	0.010		0.080	105.260	105.260	105.200	105.210	0.310	320.00 0	1.520			
D22 to D21	4.000	17.500	375.00 0	0.110	1.000	100.000	10.150	165.380	0.104	47.900	5.110	209.78 0	0.100	58.100	58.100		58.100	175.400	0.330	0.530	1.430	1.150	1.590	106.660	104.920	104.740	106.540	1.330	1.700	0.050	2.030	2.570	0.010	0.030	0.040	0.020	105.210	105.180	105.170	105.170	0.040	2370.6 00	1.450			
D21 to D20	4.000	17.500	375.00 0	0.110	1.000	100.000	10.290	164.510	0.160	73.100	5.260	208.03 0	0.153	88.500	88.500		88.500	175.400	0.500	0.800	1.590	1.330	1.590	106.540	104.690	104.520	106.410	1.430	1.700	0.050	1.630	1.670	0.030	0.050	0.050	0.040	105.170	105.110	105.070	105.070	0.250	392.60 00	1.370			
D20 to D19	4.000	18.460	375.00 0	0.110	1.000	100.000	10.440	163.640	0.218	98.900	5.400	206.28 0	0.209	119.500	119.500		119.500	175.400	0.680	1.080	1.710	1.500	1.590	106.410	104.470	104.280	106.280	1.530	1.800	0.050	1.320	1.360	0.060	0.080	0.080	0.090	105.070	104.990	104.910	104.910	0.460	215.600	1.340			
D19 to D18	4.000	18.700	375.00 0	0.110	1.000	100.000	10.590	162.730	0.271	122.500	5.450	205.78 0	0.259	147.700	147.700		147.700	175.400	0.840	1.340	1.780	1.650	1.590	106.280	104.230	104.040	106.150	1.640	-4.500	0.050	1.040	1.070	0.090	0.100	0.100	0.130	104.910	104.810	104.680	104.720	0.710	141.000	1.370			
D18 to D17	4.000	16.230	525.00 0	0.216	1.000	100.000	10.750	161.800	0.658	295.60 0	5.460	205.66 0	0.613	350.30	350.30		350.30	430.20 0	0.810	1.620	2.210	1.970	1.990	106.150	103.990	103.830	106.080	1.570	-1.300	0.050	2.110	2.440	0.130	0.280	0.330	0.140	104.720	104.400	104.300	104.300	0.580	171.300	1.430			
D17 to D16	4.000	22.000	525.00 0	0.216	1.000	100.000	10.880	160.990	0.714	319.400	5.440	205.79 0	0.662	378.50	378.50		378.50	430.20 0	0.880	1.750	2.240	2.060	1.990	106.080	103.780	103.560	106.020	1.720	1.500	0.050	0.660	0.680	0.160	0.100	0.110	0.190	104.300	104.200	104.060	104.070	0.620	161.300	1.780			
D16 to D15	4.000	21.930	525.00 0	0.216	1.000	100.000	11.070	159.940	0.774	343.90 0	5.630	203.59 0	0.720	407.00	407.00		407.00	430.20 0	0.950	1.880	2.260	2.140	1.990	106.020	103.510	103.290	105.940	1.920	8.400	0.050	0.660	0.690	0.180	0.120	0.120	0.210	104.070	103.940	103.750	103.770	0.860	116.700	1.950			
D15 to D14	4.000	35.880	600.00 0	0.283	1.000	100.000	11.250	158.950	0.830	366.30 0	5.810	201.400	0.773	432.50	432.50		432.50	614.300	0.700	1.530	2.350	1.990	2.170	105.940	103.240	102.880	105.660	2.030	4.000	0.050	0.670	0.790	0.120	0.080	0.090	0.340	103.770	103.670	103.390	103.400	0.790	127.200	2.170			
D14 to D13	4.000	35.440	600.00 0	0.283	1.000	100.000	11.550	157.340	0.903	394.50 0	6.110	198.030	0.844	464.20	464.20		464.20	614.300	0.760	1.640	2.390	2.060	2.170	105.660	102.830	102.480	105.010	1.880	7.900	0.050	0.810	0.880	0.140	0.110	0.120	0.300	103.400	103.280	103.060	103.080	0.630	158.800	2.260			
D13 to D12	4.000	74.920	600.00 0	0.283	2.650	37.700	11.840	155.760	0.986	426.50 0	6.410	195.060	0.925	501.000	501.000		501.000	1000.00 0	0.500	1.770	3.540	2.140	3.540	105.010	102.430	100.440	102.440	1.230	-90.30 0	0.050	1.030	1.170	0.160	0.160	0.190	1.070	103.080	102.890	101.890	101.970	1.330	74.900	1.930			
D12 to D11	4.000	20.810	600.00 0	0.283	6.110	16.400	12.470	152.630	1.853	785.40 0	6.810	191.020	1.735	920.40 0	920.40 0		920.40 0	1518.30 0	0.610	3.260	5.620	3.310	5.370	102.440	100.390	99.120	100.910	1.200	0.000		1.710	1.850	0.540	0.930	1.000	0.450	101.970	100.970	99.460	99.460	7.240	13.800	0.480			
D11 to D33	4.000	10.940	375.00 0	0.110	8.700	11.500										97.000	97.000	517.400	0.190	0.880	3.590	1.370	4.680	110.370	108.090	107.140	109.240	1.200	85.400	0.050	6.290		0.040	0.250		0.500	108.560	108.320	107.870	107.910	4.040	24.700	1.800			
D33 to D36	4.000	9.150	375.00 0	0.110	2.300	43.400	10.000	166.250	0.046	21.200	5.000	211.120	0.044	25.800	25.800		25.800	175.400																												

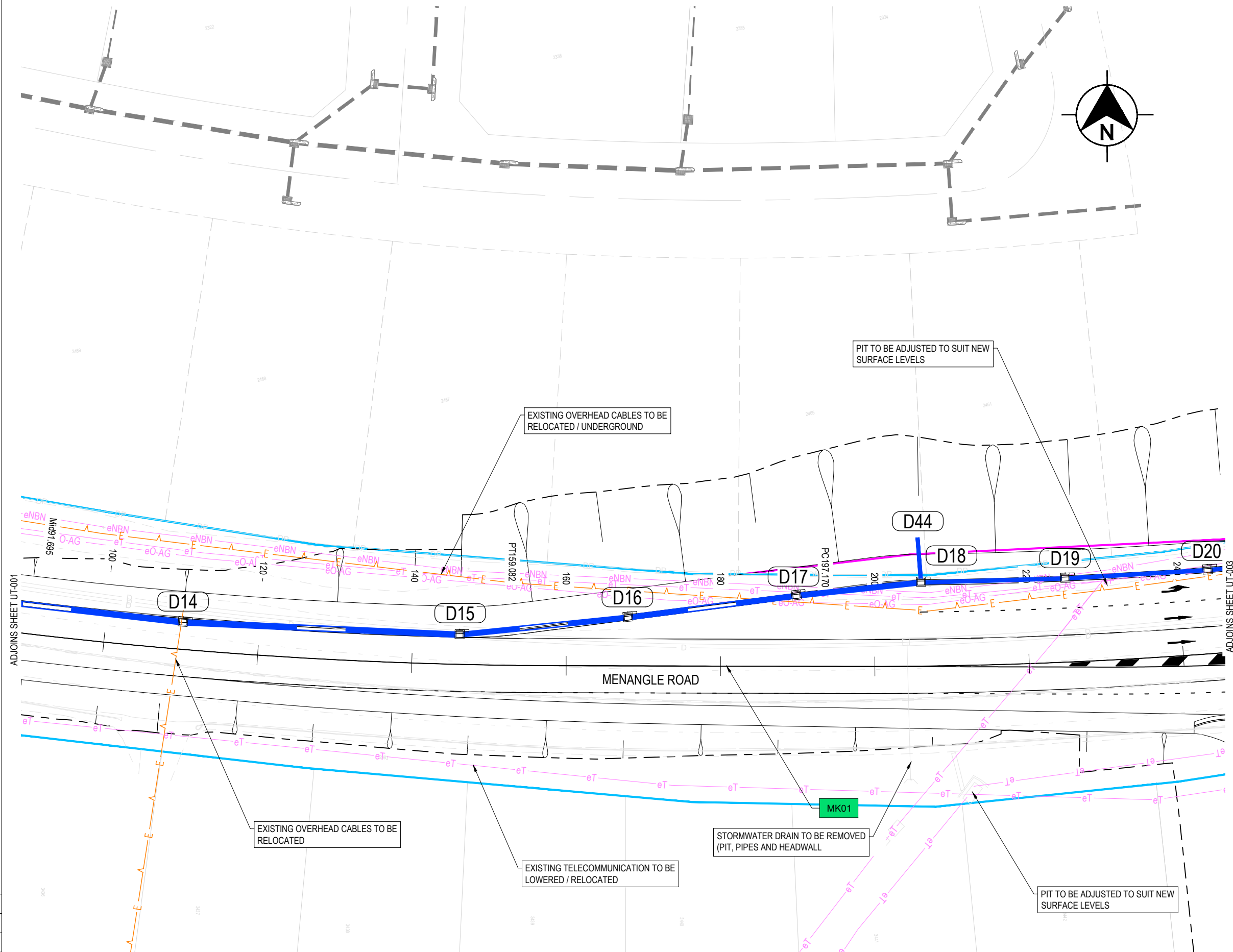


DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD UTILITIES		A3	
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	 PREPARED FOR ---- ---- ----		ISSUE STATUS NOT FOR CONSTRUCTION ---- SHEET No. UT-001 ISSUE 6	
		1	03/08/23	FIRST ISSUE				0 5 10 15 20				DRAWN	M. BAKER	MAY 24				
		2	18/08/23	MINOR AMENDMENTS				HORIZONTAL SCALE 1:500m				DRG CHECK	J. MASON	MAY 24				
		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS					DESIGN			M. BAKER	MAY 24					
		4	26/03/24	MINOR AMENDMENTS					DESIGN CHECK			J. MASON	MAY 24					
		5	16/05/24	CLIENT COMMENTS ADDRESSED				CO-ORDINATE SYSTEM		DESIGN MNGR		J. MASON	MAY 24					
		6	17/05/24	MINOR AMENDMENTS				HEIGHT DATUM MGA ZONE 55 (GDA2020) A.H.D.		PROJECT MNGR		B. TOMIC	MAY 24					

LEGEND

- PROPOSED BOUNDARY
- EXISTING BOUNDARY
- EXISTING TELECOMMUNICATION
- EXISTING OPTUS - OVERHEAD
- EXISTING OPTUS - UNDERGROUND
- EXISTING NBN
- EXISTING OVERHEAD ELECTRICAL
- EXISTING GAS
- PROPOSED SEWER Ø225 RISING MAIN
- PROPOSED WATER Ø200 WATER MAIN
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIT
- EXISTING STORMWATER PIT

THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED
50mm ON A3 SIZE ORIGINAL



PRODUCED IN COLOUR

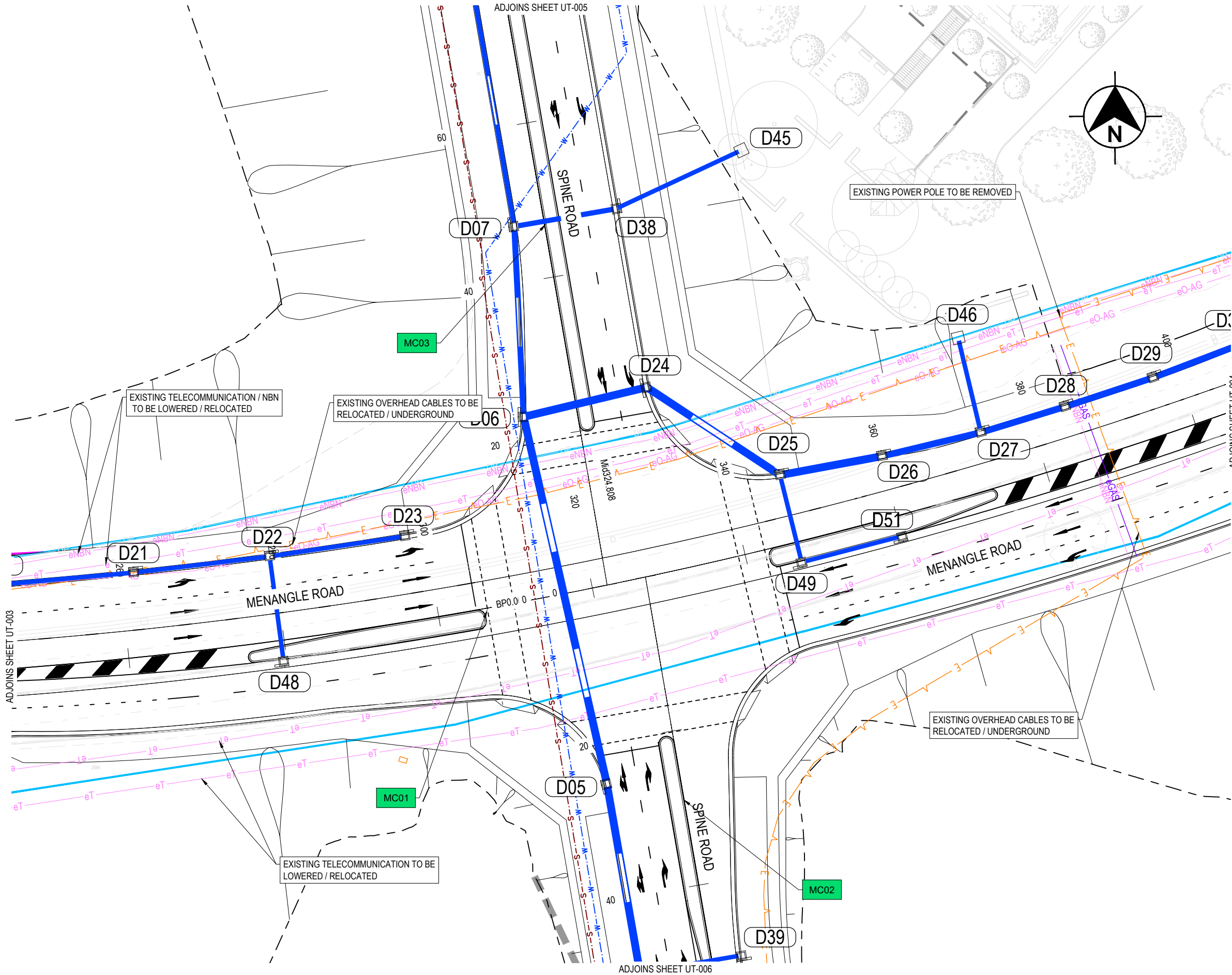
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DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD UTILITIES			A3	
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE			PREPARED FOR ----		
		1	03/08/23	FIRST ISSUE				0 5 10 15 20 HORIZONTAL SCALE 1:500m				DRAWN	M. BAKER	MAY 24					
		2	18/08/23	MINOR AMENDMENTS				DRG CHECK	J. MASON			MAY 24							
		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS				DESIGN	M. BAKER			MAY 24							
		4	26/03/24	MINOR AMENDMENTS				CO-ORDINATE SYSTEM HEIGHT DATUM				DESIGN CHECK	J. MASON	MAY 24			ISSUE STATUS NOT FOR CONSTRUCTION	SHEET No. UT-002	ISSUE 6
		5	16/05/24	CLIENT COMMENTS ADDRESSED				MGA ZONE 55 (GDA2020) A.H.D.				DESIGN MNGR	J. MASON	MAY 24					
		6	17/05/24	MINOR AMENDMENTS								PROJECT MNGR	B. TOMIC	MAY 24					

LEGEND

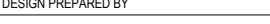
- PROPOSED BOUNDARY
- EXISTING BOUNDARY
- EXISTING TELECOMMUNICATION
- EXISTING OPTUS - OVERHEAD
- EXISTING OPTUS - UNDERGROUND
- EXISTING NBN
- EXISTING OVERHEAD ELECTRICAL
- EXISTING GAS
- PROPOSED SEWER Ø225 RISING MAIN
- PROPOSED WATER Ø200 WATER MAIN
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIT
- EXISTING STORMWATER PIT

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50mm ON A3 SIZE ORIGINAL



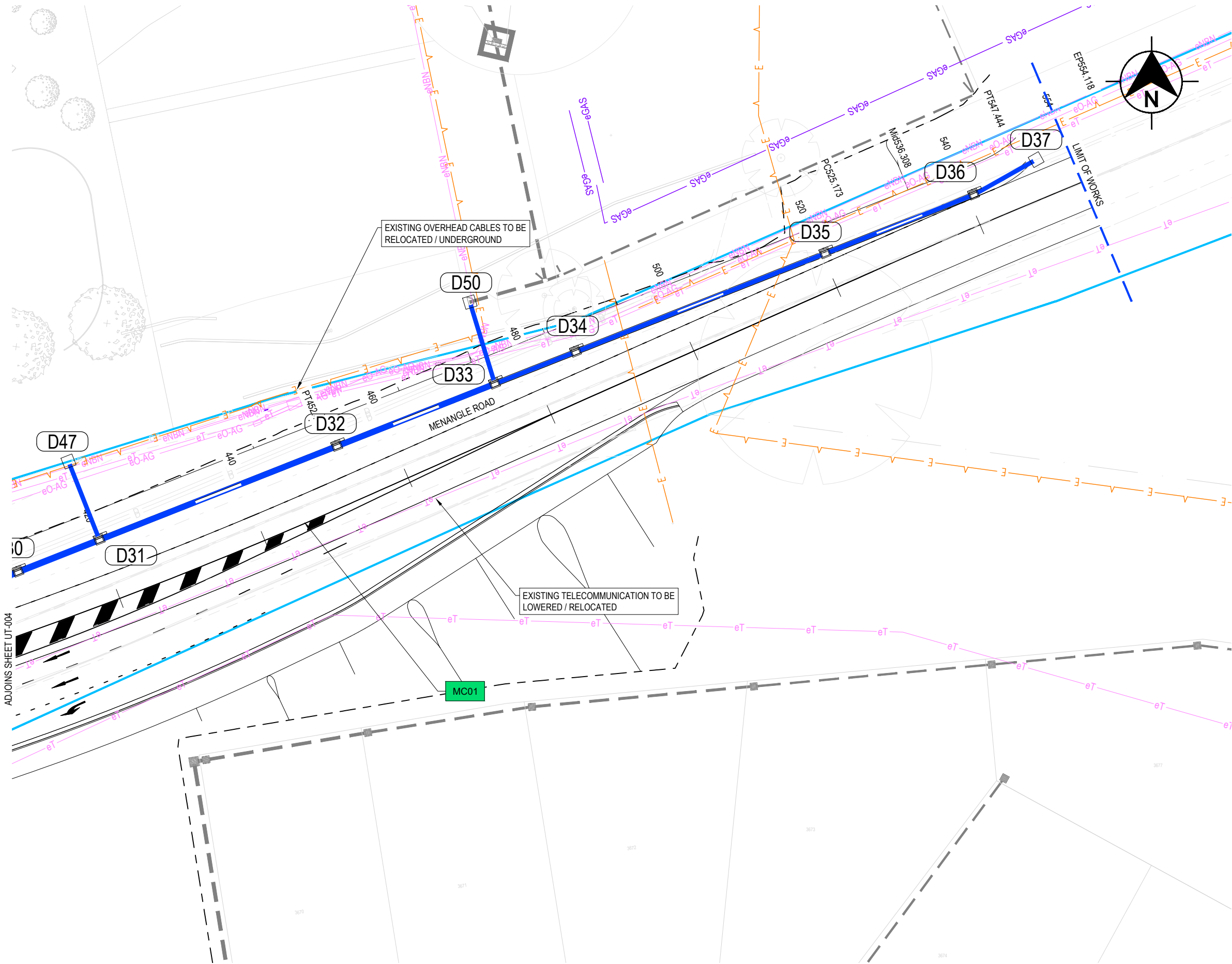
PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME					DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD UTILITIES		A3			
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE		PREPARED FOR ----- -----	ISSUE STATUS		SHEET No.	ISSUE
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			2	18/08/23	MINOR AMENDMENTS				HORIZONTAL SCALE 1:500m				DRG CHECK	J. MASON	MAY 24						
			3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS								DESIGN	M. BAKER	MAY 24						
			4	26/03/24	MINOR AMENDMENTS								DESIGN CHECK	J. MASON	MAY 24						
			5	16/05/24	CLIENT COMMENTS ADDRESSED								DESIGN MNGR	J. MASON	MAY 24						
			6	17/05/24	MINOR AMENDMENTS				CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020) HEIGHT DATUM A.H.D.				PROJECT MNGR	B. TOMIC	MAY 24						

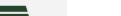
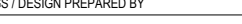
LEGEND

- PROPOSED BOUNDARY
- EXISTING BOUNDARY
- EXISTING TELECOMMUNICATION
- EXISTING OPTUS - OVERHEAD
- EXISTING OPTUS - UNDERGROUND
- EXISTING NBN
- EXISTING OVERHEAD ELECTRICAL
- EXISTING GAS
- PROPOSED SEWER Ø225 RISING MAIN
- PROPOSED WATER Ø200 WATER MAIN
- PROPOSED STORMWATER PIPE
- EXISTING STORMWATER PIPE
- PROPOSED STORMWATER PIT
- EXISTING STORMWATER PIT



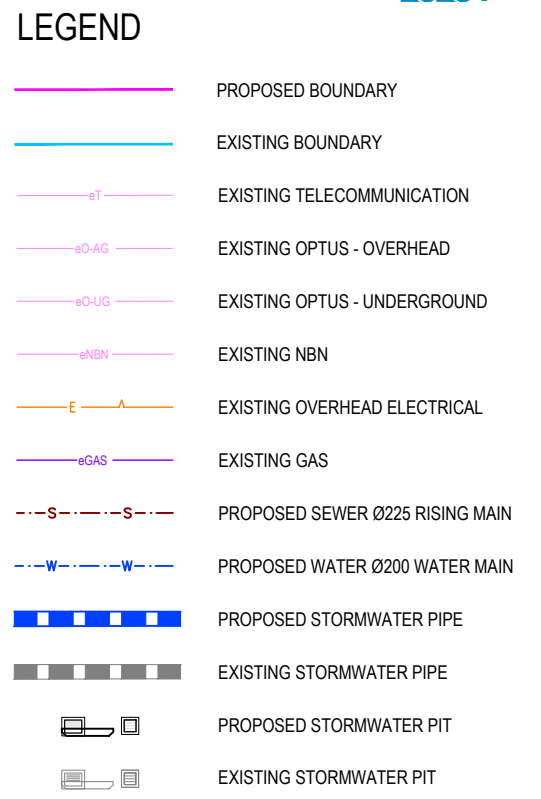
PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME					DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY			CLIENT		 CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD UTILITIES			A3			
EXTERNAL REFERENCE FILES			REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	PREPARED FOR				ISSUE STATUS		SHEET No.	
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			2	18/08/23	MINOR AMENDMENTS																		
			3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS																		
			4	26/03/24	MINOR AMENDMENTS				DRG CHECK	J. MASON	MAY 24												
			5	16/05/24	CLIENT COMMENTS ADDRESSED				DESIGN	M. BAKER	MAY 24												
			6	17/05/24	MINOR AMENDMENTS				DESIGN CHECK	J. MASON	MAY 24												
CO-ORDINATE SYSTEM									HEIGHT DATUM		DESIGN MNGR	J. MASON	MAY 24										
MGA ZONE 55 (GDA2020)									A.H.D.		PROJECT MNGR	B. TOMIC	MAY 24										

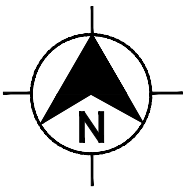
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50mm ON A3 SIZE ORIGINAL





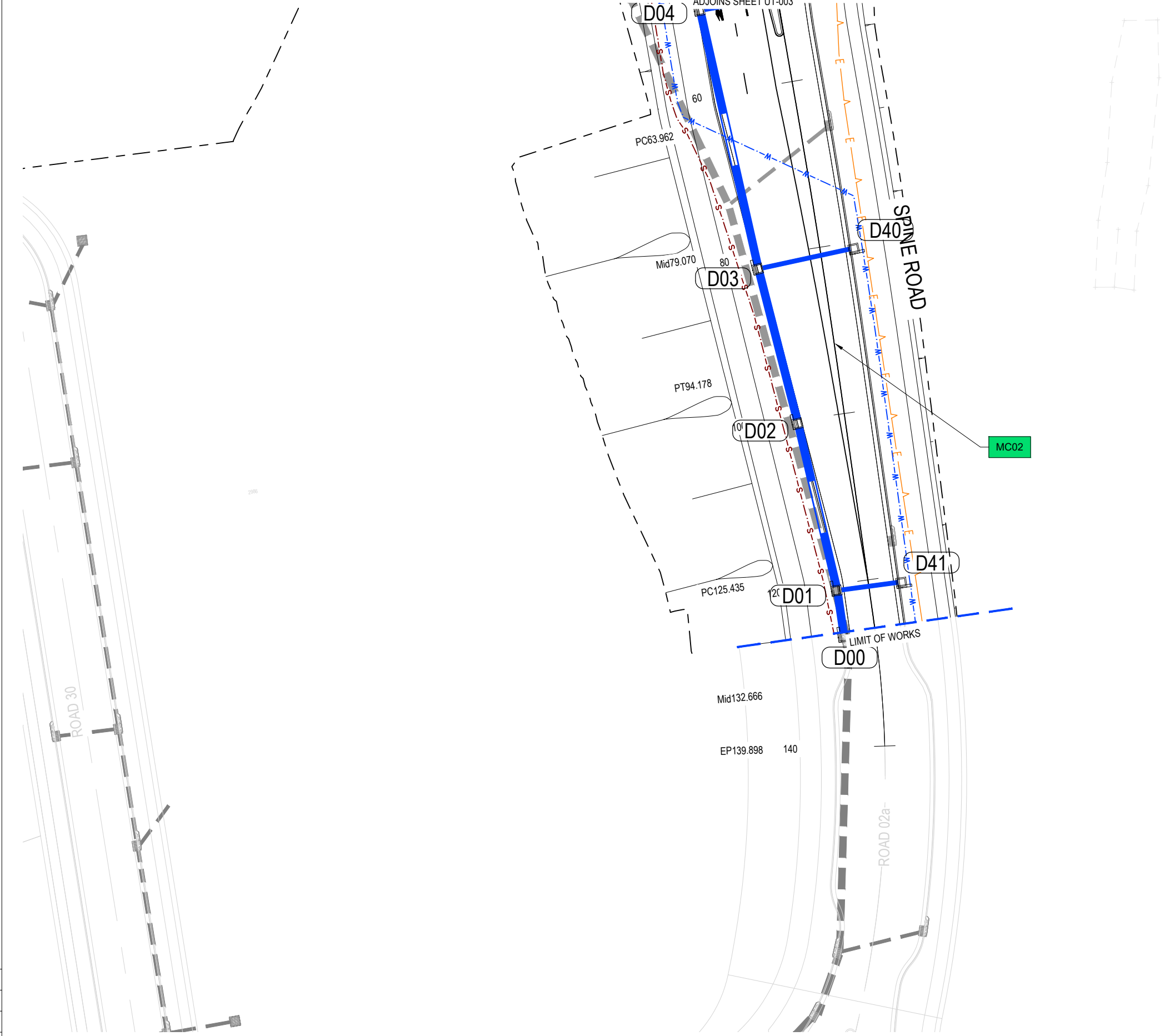
NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME					DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING			PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD UTILITIES			A3	
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	PREPARED FOR ---- ----	ISSUE STATUS		SHEET No.	ISSUE			
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		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS							DESIGN	M. BAKER	MAY 24								
		4	28/03/24	MINOR AMENDMENTS							DESIGN CHECK	J. MASON	MAY 24								
		5	16/05/24	CLIENT COMMENTS ADDRESSED							DESIGN MNGR	J. MASON	MAY 24								
		6	17/05/24	MINOR AMENDMENTS			CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)		HEIGHT DATUM A.H.D.		PROJECT MNGR	B. TOMIC	MAY 24								



LEGEND

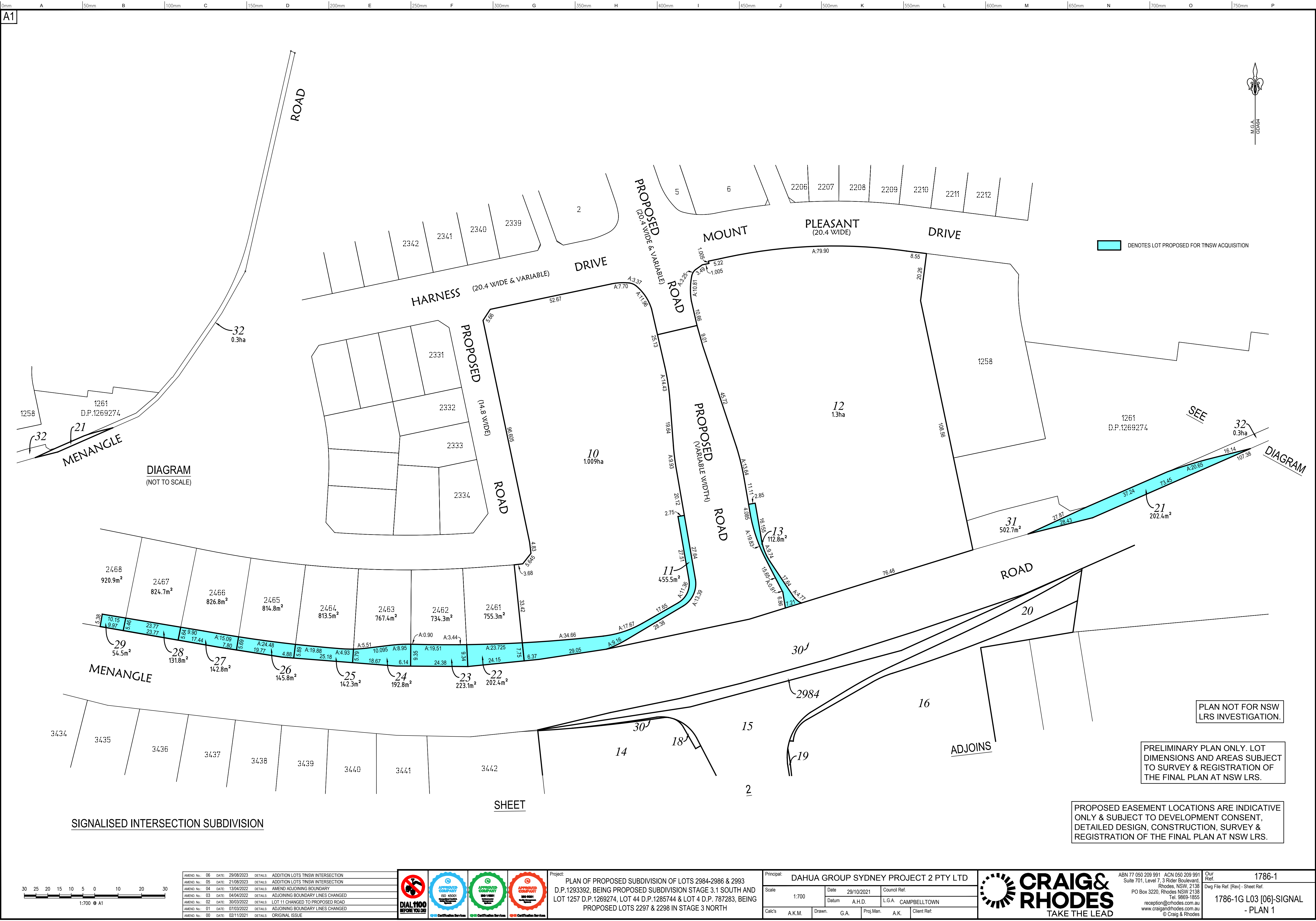
- | | |
|---|---------------------------------|
|  | PROPOSED BOUNDARY |
|  | EXISTING BOUNDARY |
|  | EXISTING TELECOMMUNICATION |
|  | EXISTING OPTUS - OVERHEAD |
|  | EXISTING OPTUS - UNDERGROUND |
|  | EXISTING NBN |
|  | EXISTING OVERHEAD ELECTRICAL |
|  | EXISTING GAS |
|  | PROPOSED SEWER Ø225 RISING MAIN |
|  | PROPOSED WATER Ø200 WATER MAIN |
|  | PROPOSED STORMWATER PIPE |
|  | EXISTING STORMWATER PIPE |
|  | PROPOSED STORMWATER PIT |
|  | EXISTING STORMWATER PIT |



PRODUCED IN COLOUR

NOT FOR CONSTRUCTION

DRAWING FILE LOCATION / NAME				DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME			PLOT BY		CLIENT		CAMPBELLTOWN CITY COUNCIL MR 179 MENANGLE ROAD SIGNALISED INTERSECTION MENANGLE ROAD UTILITIES		A3	
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION		WVR No.	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	PREPARED FOR ---- ----	ISSUE STATUS NOT FOR CONSTRUCTION	SHEET No. UT-006	ISSUE 6
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		3	22/03/24	MINOR AMENDMENTS ADDRESSING DA COMMENTS				DESIGN	M. BAKER			MAY 24						
		4	28/03/24	MINOR AMENDMENTS				DESIGN CHECK	J. MASON			MAY 24						
		5	16/05/24	CLIENT COMMENTS ADDRESSED				CO-ORDINATE SYSTEM MGA ZONE 55 (GDA2020)				DESIGN MNGR	J. MASON	MAY 24				
		6	17/05/24	MINOR AMENDMENTS				HEIGHT DATUM A.H.D.				PROJECT MNGR	B. TOMIC	MAY 24				



SIGNALISED INTERSECTION SUBDIVISION

SHEET

PLAN NOT FOR NSW
LRS INVESTIGATION.

PRELIMINARY PLAN ONLY. LOT
DIMENSIONS AND AREAS SUBJECT
TO SURVEY & REGISTRATION OF
THE FINAL PLAN AT NSW LRS.

PROPOSED EASEMENT LOCATIONS ARE INDICATIVE
ONLY & SUBJECT TO DEVELOPMENT CONSENT,
DETAILED DESIGN, CONSTRUCTION, SURVEY &
REGISTRATION OF THE FINAL PLAN AT NSW LRS.

AMEND No.	06	DATE	29/08/2023	DETAILS	ADDITION LOTS TNSW INTERSECTION
AMEND No.	05	DATE	21/08/2023	DETAILS	ADDITION LOTS TNSW INTERSECTION
AMEND No.	04	DATE	13/04/2022	DETAILS	AMEND ADJOINING BOUNDARY
AMEND No.	03	DATE	04/04/2022	DETAILS	ADJOINING BOUNDARY LINES CHANGED
AMEND No.	02	DATE	30/03/2022	DETAILS	LOT 11 CHANGED TO PROPOSED ROAD
AMEND No.	01	DATE	07/03/2022	DETAILS	ADJOINING BOUNDARY LINES CHANGED
AMEND No.	00	DATE	02/11/2021	DETAILS	ORIGINAL ISSUE



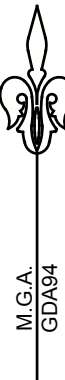
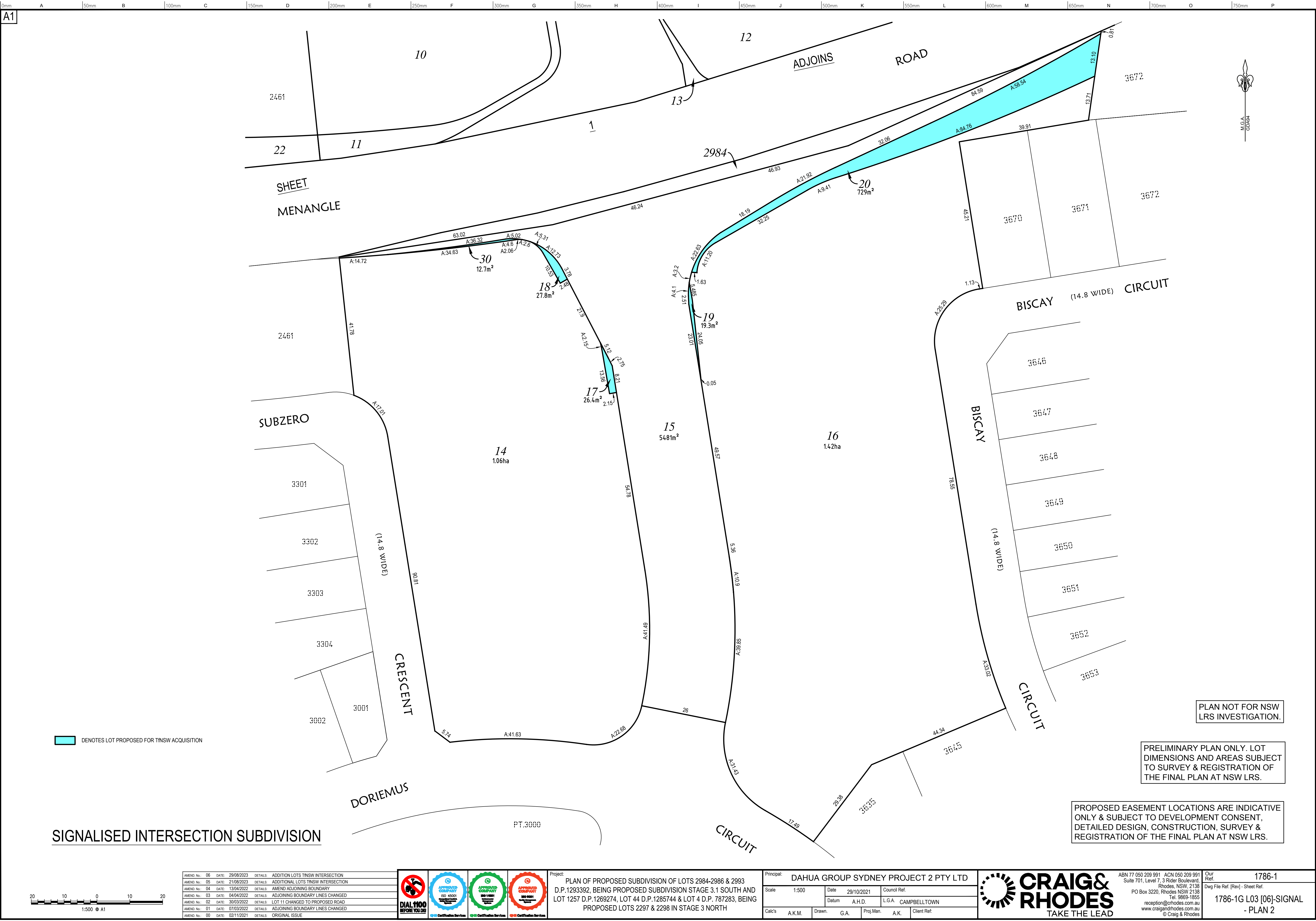
Project:
PLAN OF PROPOSED SUBDIVISION OF LOTS 2984-2986 & 2993
D.P.1293392, BEING PROPOSED SUBDIVISION STAGE 3.1 SOUTH AND
LOT 1257 D.P.1269274, LOT 44 D.P.1285744 & LOT 4 D.P. 787283, BEING
PROPOSED LOTS 2297 & 2298 IN STAGE 3 NORTH

Principal:	DAHUA GROUP SYDNEY PROJECT 2 PTY LTD			
Scale	1:700	Date	29/10/2021	Council Ref.
Datum	A.H.D.	L.G.A.	CAMPBELLTOWN	
Calc's	A.K.M.	Drawn	G.A.	Proj.Man. A.K.
				Client Ref.



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Our Ref. 1786-1
Dwg File Ref. (Rev) - Sheet Ref.
1786-1G L03 [06]-SIGNAL
- PLAN 1



SIGNALISED INTERSECTION SUBDIVISION

■ DENOTES LOT PROPOSED FOR TNSW ACQUISITION

PLAN NOT FOR NSW LRS INVESTIGATION.

PRELIMINARY PLAN ONLY. LOT DIMENSIONS AND AREAS SUBJECT TO SURVEY & REGISTRATION OF THE FINAL PLAN AT NSW LRS.

PROPOSED EASEMENT LOCATIONS ARE INDICATIVE ONLY & SUBJECT TO DEVELOPMENT CONSENT, DETAILED DESIGN, CONSTRUCTION, SURVEY & REGISTRATION OF THE FINAL PLAN AT NSW LRS.

AMEND. No.	06	DATE:	29/08/2023	DETAILS:	ADDITION LOTS TNSW INTERSECTION
AMEND. No.	05	DATE:	21/08/2023	DETAILS:	ADDITIONAL LOTS TNSW INTERSECTION
AMEND. No.	04	DATE:	13/04/2022	DETAILS:	AMEND ADJOINING BOUNDARY
AMEND. No.	03	DATE:	04/04/2022	DETAILS:	ADJOINING BOUNDARY LINES CHANGED
AMEND. No.	02	DATE:	30/03/2022	DETAILS:	LOT 11 CHANGED TO PROPOSED ROAD
AMEND. No.	01	DATE:	07/03/2022	DETAILS:	ADJOINING BOUNDARY LINES CHANGED
AMEND. No.	00	DATE:	02/11/2021	DETAILS:	ORIGINAL ISSUE



Project: PLAN OF PROPOSED SUBDIVISION OF LOTS 2984-2986 & 2993 D.P.1293392, BEING PROPOSED SUBDIVISION STAGE 3.1 SOUTH AND LOT 1257 D.P.1269274, LOT 44 D.P.1285744 & LOT 4 D.P. 787283, BEING PROPOSED LOTS 2297 & 2298 IN STAGE 3 NORTH

Principal:	DAHUA GROUP SYDNEY PROJECT 2 PTY LTD			
Scale:	1:500	Date:	29/10/2021	Council Ref:
Cal'g's:	A.K.M.	Datum:	A.H.D.	L.G.A. CAMPBELLTOWN
Drawn:	G.A.	Proj.Man:	A.K.	Client Ref:



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Our Ref.	1786-1
Dwg File Ref. (Rev) - Sheet Ref.	
1786-1G L03 [06]-SIGNAL	
- PLAN 2	