



Transport
for NSW

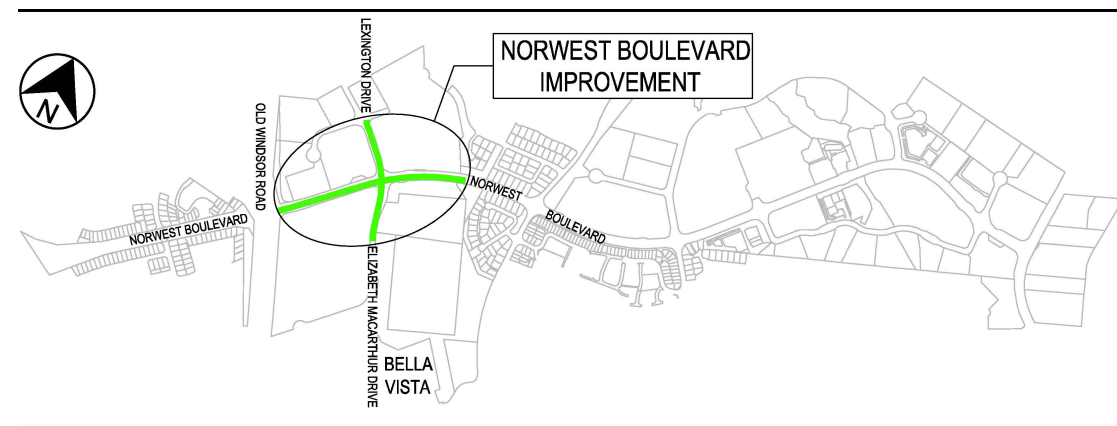
HILLS SHIRE LOCAL COUNCIL

MR NORWEST BOULEVARD

INTERSECTION UPGRADE OF NORWEST BOULEVARD, LEXINGTON DRIVE AND ELIZABETH MACARTHUR DRIVE BELLA VISTA

ROADWORKS

50% CONCEPT DESIGN



LOCALITY PLAN
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Jacobs

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DESIGNED

SIGNED *R. Turicovski*

NAME: ROBERTI RICOVSKI

TITLE: ROAD DESIGNER

DATE: 14.05.2020

LINEAR REFERENCING
START: R(0000690,0020,B1,0.032)

FINISH: R(000690,0020,B1,0.676)

REVIEWED

SIGNED *Nathan Tang*

NAME: NATHAN TANG

TITLE: DESIGN MANAGER

DATE: 14.05.2020

VERIFIED

SIGNED *Sally Swinburne*

NAME: SALLY SWINBURNE

TITLE: PROJECT MANAGER

DATE: 14.05.2020

PLOT DATE / TIME
5/14/2020

PLOT BY
Bojiss

CLIENT



Transport
for NSW

RMS PROJECT MANAGER

NAME: YASASWI KODIALI

TITLE: PROJECT MANAGER

VALIDATION AND ACCEPTANCE OF THESE
DRAWINGS AND THE DESIGN SHOWN
THEREON IS TO BE CARRIED OUT UNDER
SEPARATE PROCESS

PREPARED FOR
TECHNICAL AND PROJECT SERVICES
GREATER SYDNEY PROJECT OFFICE (GSPO)
GSPO PROGRAM 7

HILLS SHIRE LOCAL COUNCIL
MR NORWEST BOULEVARD
INTERSECTION UPGRADE OF NORWEST BOULEVARD, LEXINGTON
DRIVE AND ELIZABETH MACARTHUR DRIVE, BELLA VISTA

RMS PROJECT No. IA227900

RMS REGISTRATION No. DS2019/001395

ISSUE STATUS 50% CONCE PDESIGN

EDMS No. SHEET No. REV 1

GE-0001

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SHEET No.	DRAWING TITLE
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GE-0011	DRAWING INDEX AND GENERAL NOTES
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RD-0052	TYPICAL CROSS SECTIONS SHEET 2 OF 2
RD-0101	GENERAL ARRANGEMENT PLAN SHEET 1 OF 10
RD-0102	GENERAL ARRANGEMENT PLAN SHEET 2 OF 10
RD-0103	GENERAL ARRANGEMENT PLAN SHEET 3 OF 10
RD-0104	GENERAL ARRANGEMENT PLAN SHEET 4 OF 10
RD-0105	GENERAL ARRANGEMENT PLAN SHEET 5 OF 10
RD-0106	GENERAL ARRANGEMENT PLAN SHEET 6 OF 10
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RC-0104	CROSS SECTIONS - NORWEST BOULEVARD (MC10) SHEET 4 OF 15
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SM-0021	DRAINAGE GENERAL NOTES
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SM-0107	DRAINAGE PLAN SHEET 7 OF 10
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CS-0600	CONSTRUCTION STAGING TYPICAL SECTIONS - STAGE 6
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GENERAL

- ALL LOCATIONS, ORIENTATION AND LEVELS SHALL BE VERIFIED ON SITE BEFORE COMMENCING ANY WORK. REFER ANY DISCREPANCIES TO THE PRINCIPAL. NATURAL SURFACE LEVELS ON THE DRAWINGS ARE INDICATIVE ONLY.
- THESE NOTES SHALL BE READ IN CONJUNCTION WITH OTHER DRAWINGS, AND SPECIFICATIONS ALWAYS REFER TO TECHNICAL SPECIFICATION FOR CLARIFICATION AND DETAILS.
- ALL DIMENSIONS ON DETAILED DRAWINGS ARE IN METRES UNLESS NOTED OTHERWISE.
- LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (A.H.D.).
- COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA Zone GDA94).
- THE DESIGN AND DRAWINGS ARE SUBJECT TO UPDATE OF NATIONAL DATUM FROM GDA94 TO GDA2020.

UTILITIES

- EXISTING UTILITY INFORMATION SHOWN WAS PROVIDED BY RMS AND IS SHOWN FOR INFORMATION ONLY.

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DRAWING FILE LOCATION \ NAME				PLOT DATE \ TIME		PLOT BY		PROJECT BREAKDOWN STRUCTURE				JACOBS DOCUMENT NUMBER				PLOT DATE / TIME				PLOT BY		CLIENT		THE HILLS SHIRE COUNCIL MR690 NORWEST BOULEVARD INTERSECTION UPGRADE OF NORWEST BOULEVARD, LEXINGTON DRIVE AND ELIZABETH MACARTHUR DRIVE, BELLA VISTA GENERAL DRAWING INDEX AND NOTES				A3									
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						0	03.12.2019	ISSUED FOR 20% CONCEPT DESIGN				S.RUSBY						 ABN 37 001 024 095 and ACN 001 024 095 Jacobs Group (Australia) Pty Ltd Level 7, 177 Pacific Highway North Sydney, NSW 2060 AUSTRALIA Tel: +61 2 9928 2100 Fax: +61 2 9928 2500 Web: www.jacobs.com				DRAWN		S.BOJJI		14.05.2020		TECHNICAL AND PROJECT SERVICES GREATER SYDNEY PROJECT OFFICE (GSPO) GSPO PROGRAM 7				DS2019/001395		GE			
						1	14.05.2020	ISSUED FOR 50% CONCEPT DESIGN				S.SWINBURNE										DRG CHECK		S.GALLOWAY		14.05.2020											
																						DESIGN		R.TIRICOVSKI		14.05.2020											
																						DESIGN CHECK		D.HORWOOD		14.05.2020											
														CO-ORDINATE SYSTEM				HEIGHT DATUM				DESIGN MNGR		N.TANG		14.05.2020											
														MGA ZONE 56				AHD				PROJECT MNGR		S.SWINBURNE		14.05.2020											
																												ISSUE STATUS				EDMS No.		SHEET No.		REV	
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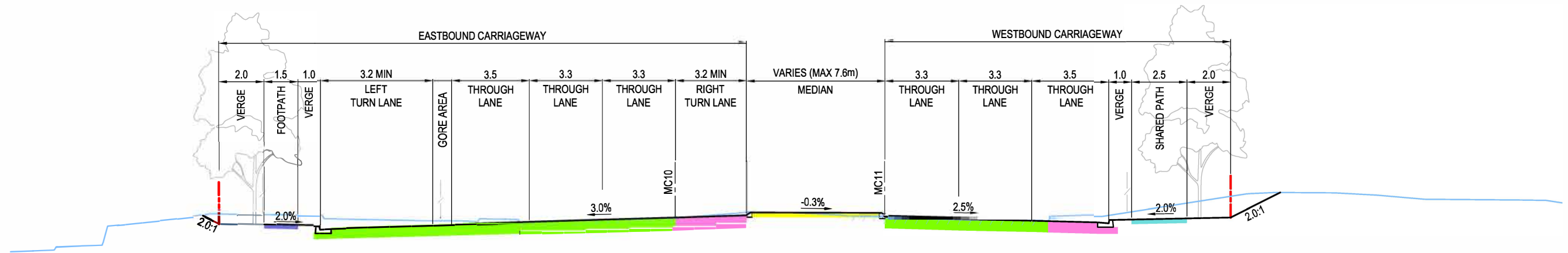


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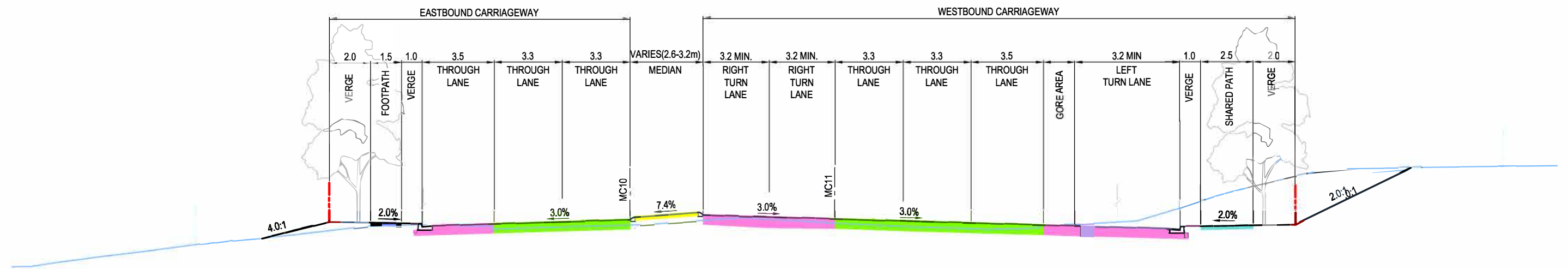
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				0	03.12.2019	ISSUED FOR 20% CONCEPT DESIGN		S. RUSBY S. SWINBURNE	SCALES ON A3 SIZE DRAWING  SCALE 1:2500		DRAWINGS / DESIGN PREPARED BY  ABN 37 001 024 095 and ACN 001 024 095 Jacobs Group (Australia) Pty Ltd Level 7, 177 Pacific Highway North Sydney, NSW 2060 AUSTRALIA Tel: +61 2 9928 2100 Fax: +61 2 9928 2500 Web: www.jacobs.com		DRAWN S. BOJJI 14.05.2020 DRG CHECK S. GALLOWAY 14.05.2020 DESIGN R. TIRICOVSKI 14.05.2020 DESIGN CHECK D. HORWOOD 14.05.2020 DESIGN MNGR N. TANG 14.05.2020 PROJECT MNGR S. SWINBURNE 14.05.2020		PREPARED FOR TECHNICAL AND PROJECT SERVICES GREATER SYDNEY PROJECT OFFICE (GSPO) GSPO PROGRAM 7		RMS REGISTRATION No. DS2019/001395		ISSUE STATUS 50% CONCEPT DESIGN		EDMS No.		SHEET No. GE-0021		REV 1	
				1	14.05.2020																					

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TYPICAL SECTION
NORWEST BOULEVARD - CH250 (MC10)



TYPICAL SECTION
NORWEST BOULEVARD - CH360 (MC10)

LEGEND

DESIGN CONTROL LINE
EXISTING CADASTRE BOUNDARY
ADJUSTED PROPERTY BOUNDARY
PROJECT BOUNDARY
EXISTING PAVEMENT
DESIGN SURFACE
KERB TYPE MODIFIED SA
KERB TYPE SF

PAVEMENT TYPE MAIN CARRIAGEWAY
PAVEMENT TYPE RECONSTRUCTION
PAVEMENT TYPE RAISED MEDIUM
PAVEMENT TYPE FOOTPATH
PAVEMENT TYPE SHARED PATH
RETAINING WALL OPTION

NOT FOR CONSTRUCTION

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		1	14.05.2020	ISSUED FOR 50% CONCEPT DESIGN	S.SWINBURN

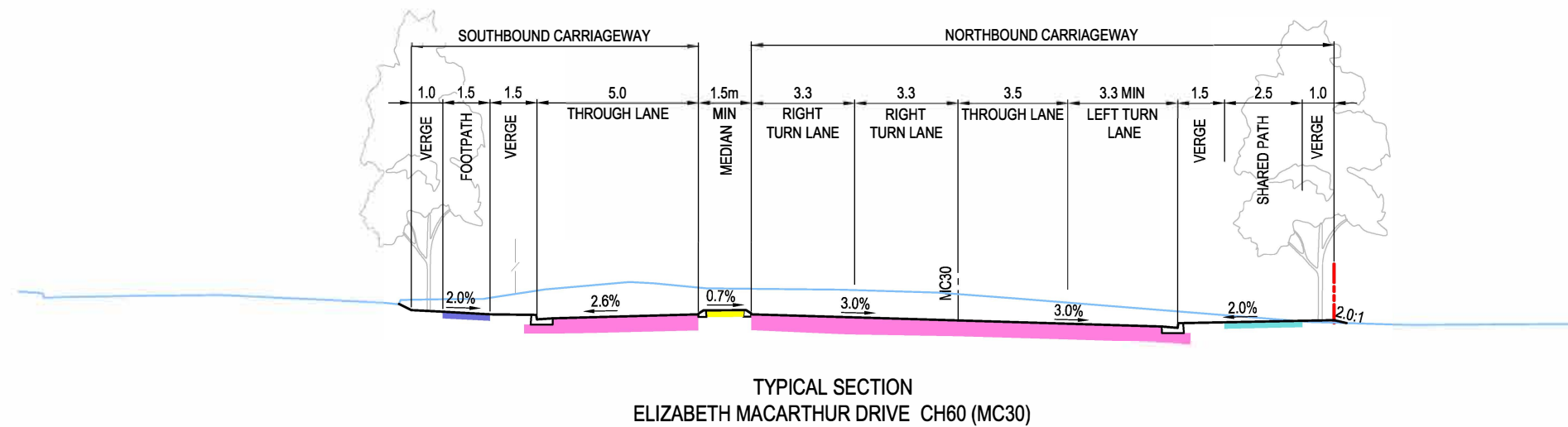
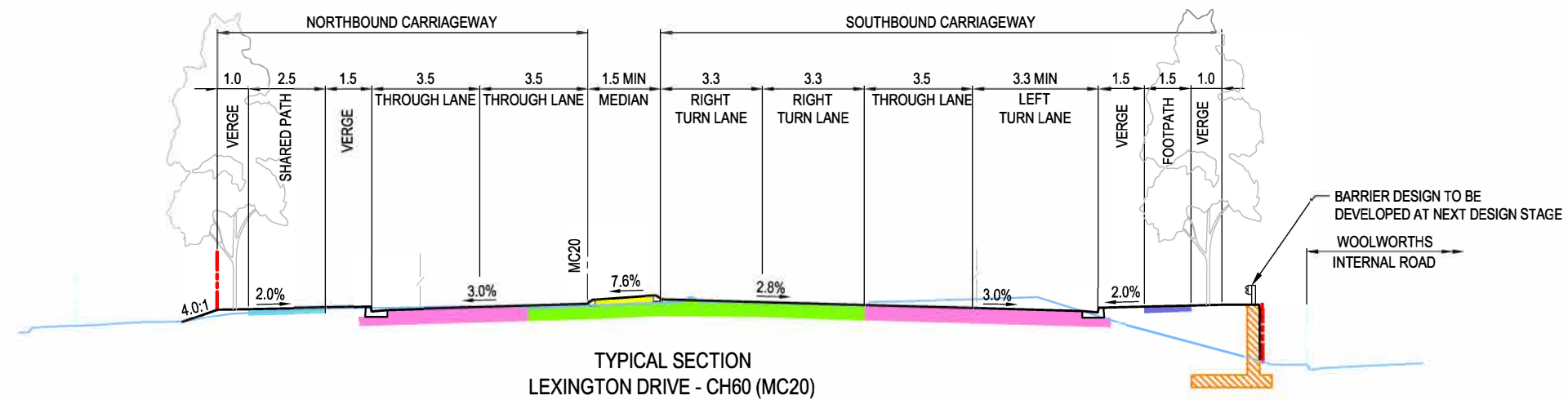
PROJECT BREAKDOWN STRUCTURE
SCALES ON A3 SIZE DRAWING
SCALE 1:200
CO-ORDINATE SYSTEM MGA ZONE 56
HEIGHT DATUM AHD

JACOBS DOCUMENT NUMBER
IA227900-DG-RD-0051
DRAWINGS / DESIGN PREPARED BY
Jacobs
ABN 37 001 024 095 and ACN 001 024 095 Jacobs Group (Australia) Pty Ltd Level 7, 177 Pacific Highway North Sydney, NSW 2060 AUSTRALIA
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PLOT DATE / TIME		PLOT BY
5/14/2020		BojjiSS
TITLE	NAME	DATE
DRAWN	S.BOJJI	14.05.2020
DRG CHECK	S.GALLOWAY	14.05.2020
DESIGN	R.TIRICOVSKI	14.05.2020
DESIGN CHECK	D.HORWOOD	14.05.2020
DESIGN MNGR	N.TANG	14.05.2020
PROJECT MNGR	S.SWINBURNE	14.05.2020

CLIENT
NSW Transport for NSW
GOVERNMENT
PREPARED FOR TECHNICAL AND PROJECT SERVICES GREATER SYDNEY PROJECT OFFICE (GSP)
GSP PROGRAM 7

THE HILLS SHIRE COUNCIL MR690 NORWEST BOULEVARD INTERSECTION UPGRADE OF NORWEST BOULEVARD, LEXINGTON DRIVE AND ELIZABETH MACARTHUR DRIVE, BELLA VISTA ROAD GEOMETRY TYPICAL CROSS SECTIONS	SHEET 1 OF 2
RMS REGISTRATION No. DS2019/001395	PART RD
ISSUE STATUS 50% CONCEPT DESIGN	EDMS No. SHEET No. RD-0051
REV 1	



LEGEND

DESIGN CONTROL LINE EXISTING CADASTRE BOUNDARY ADJUSTED PROPERTY BOUNDARY PROJECT BOUNDARY EXISTING PAVEMENT DESIGN SURFACE KERB TYPE MODIFIED SA KERB TYPE SF

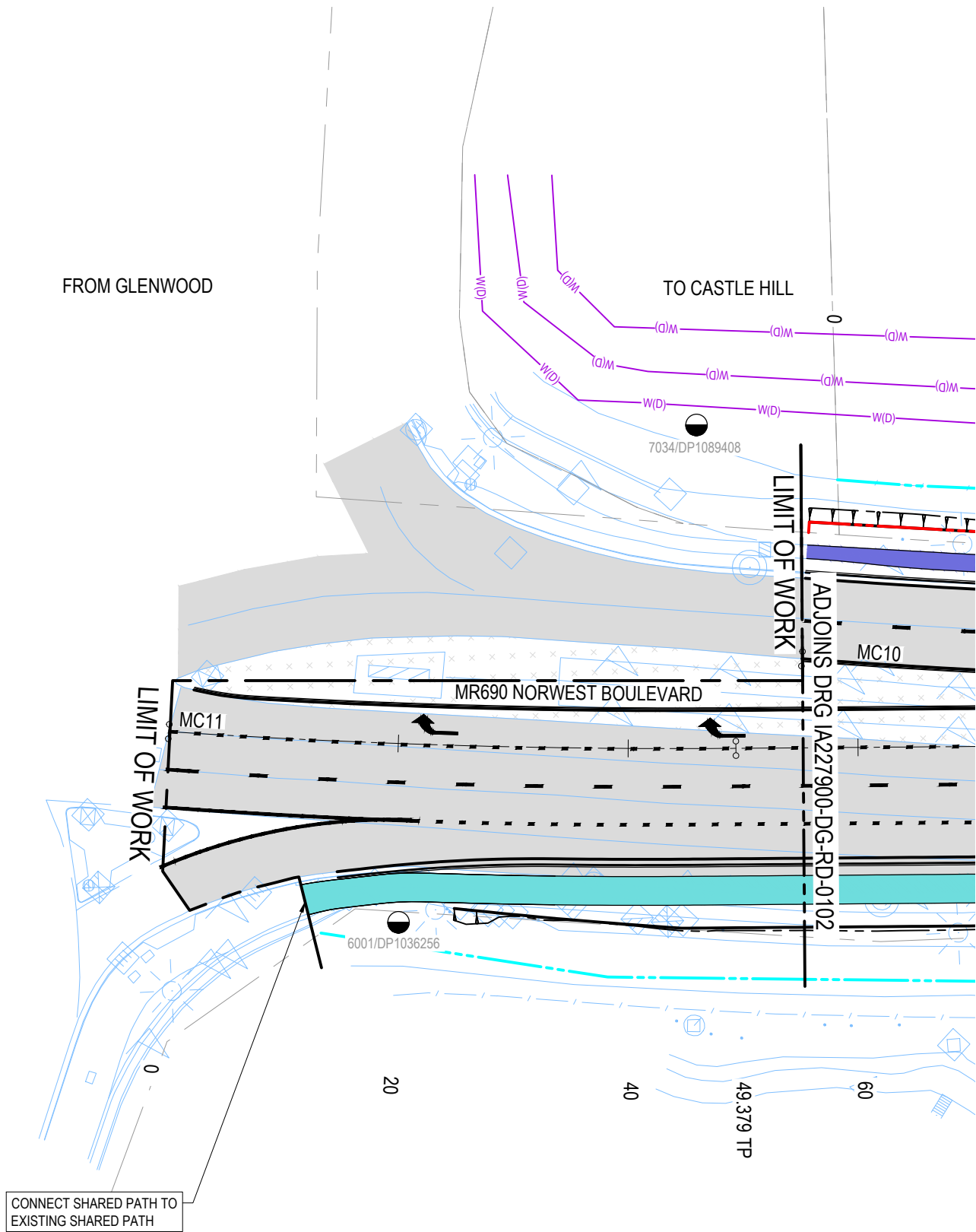
 PAVEMENT TYPE
MAIN CARRIAGEWAY
  PAVEMENT TYPE
RECONSTRUCTION
  PAVEMENT TYPE
RAISED MEDIAN
  PAVEMENT TYPE
FOOTPATH
  PAVEMENT TYPE
SHARED PATH
  RETAINING WALL
OPTION

NOT FOR CONSTRUCTION

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DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING									REV			DATE			AMENDMENT / REVISION DESCRIPTION			APPROVAL			SCALES ON A3 SIZE DRAWING			DRAWINGS / DESIGN PREPARED BY			TITLE			NAME			DATE																																																																										
									0			03.12.2019			ISSUED FOR 20% CONCEPT DESIGN			S.RUSBY			SCALE 1200  AT A3			 AEN 3F 001 024 095 and ACN 001 024 095 Jacobs Group (Australia) Pty Ltd Level 7, 177 Pacific Highway North Sydney, NSW 2060 AUSTRALIA Tel: +61 2 9928 2100 Fax: +61 2 9928 2500 Web: www.jacobs.com			DRAWN			S.BOJJI			14.05.2020																																																																										
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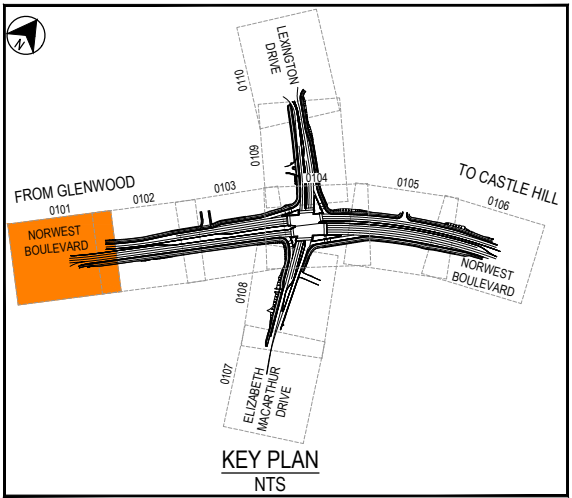
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LEGEND	
GENERAL	
	EXISTING PAVEMENT
	EXISTING MEDIAN
	SURVEY
	EXISTING PEDESTRIAN FENCE
	DIGITAL CADASTRE
	ADJUSTED PROPERTY BOUNDARY
	PROJECT BOUNDARY
	CONTROL LINE AND LABEL
	EARTHWORKS & GROUND INTERFACE
	STREET, LOT & DP NUMBER
	PROPERTY ADJUSTMENT
	RETAINING WALL
	W-BEAM SAFETY BARRIER
	PEDESTRIAN SAFETY FENCE
	DRIVEWAY
	FOOTPATH
	SHARED PATH
	TRANSVERSE DRAINAGE CULVERT
EXISTING MAJOR UTILITIES TO REMAIN	
	ELECTRICAL TRANSMISSION
	WATER MAIN

- NOTES
- FOR GENERAL NOTES REFER SHEET GE-0011.

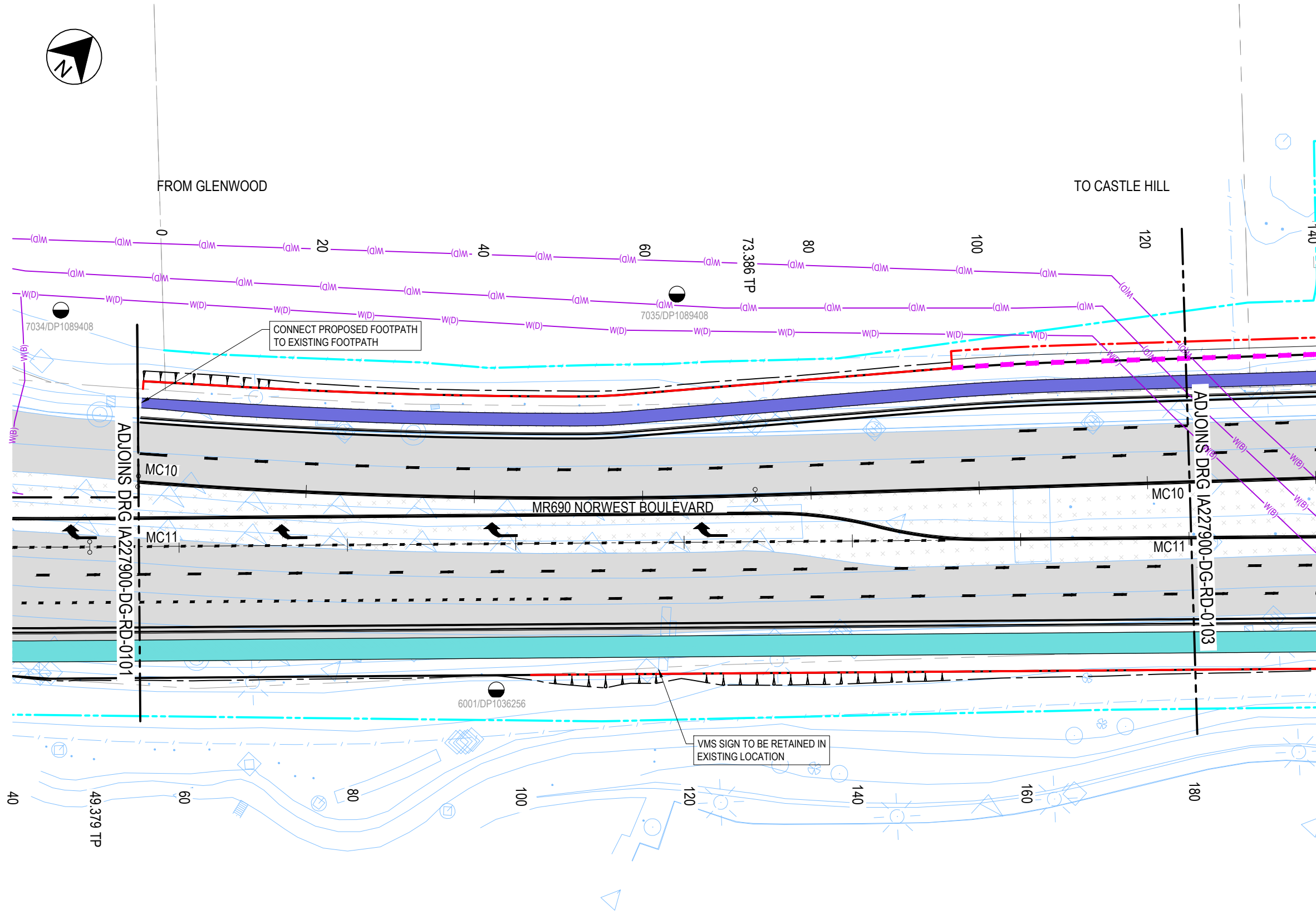


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CO-ORDINATE SYSTEM MGA ZONE 56										HEIGHT DATUM AHD					ISSUE STATUS 50% CONCEPT DESIGN					EDMS No.					SHEET No. RD-0101					REV 1																																																																

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LEGEND

GENERAL

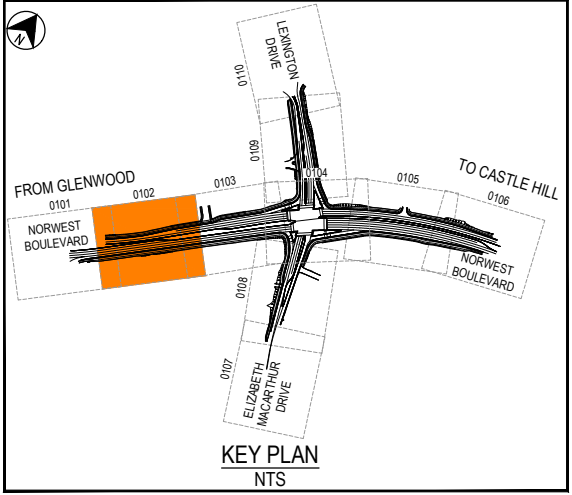
- EXISTING PAVEMENT
- EXISTING MEDIAN
- SURVEY
- EXISTING PEDESTRIAN FENCE
- DIGITAL CADASTRE
- ADJUSTED PROPERTY BOUNDARY
- PROJECT BOUNDARY
- CONTROL LINE AND LABEL
- EARTHWORKS & GROUND INTERFACE
- STREET, LOT & DP NUMBER
- PROPERTY ADJUSTMENT
- RETAINING WALL
- W-BEAM SAFETY BARRIER
- PEDESTRIAN SAFETY FENCE
- DRIVEWAY
- FOOTPATH
- SHARED PATH
- TRANSVERSE DRAINAGE CULVERT

EXISTING MAJOR UTILITIES TO REMAIN

- E(B) ELECTRICAL TRANSMISSION
- W(B) WATER MAIN

NOTES

1. FOR GENERAL NOTES REFER SHEET GE-0011.

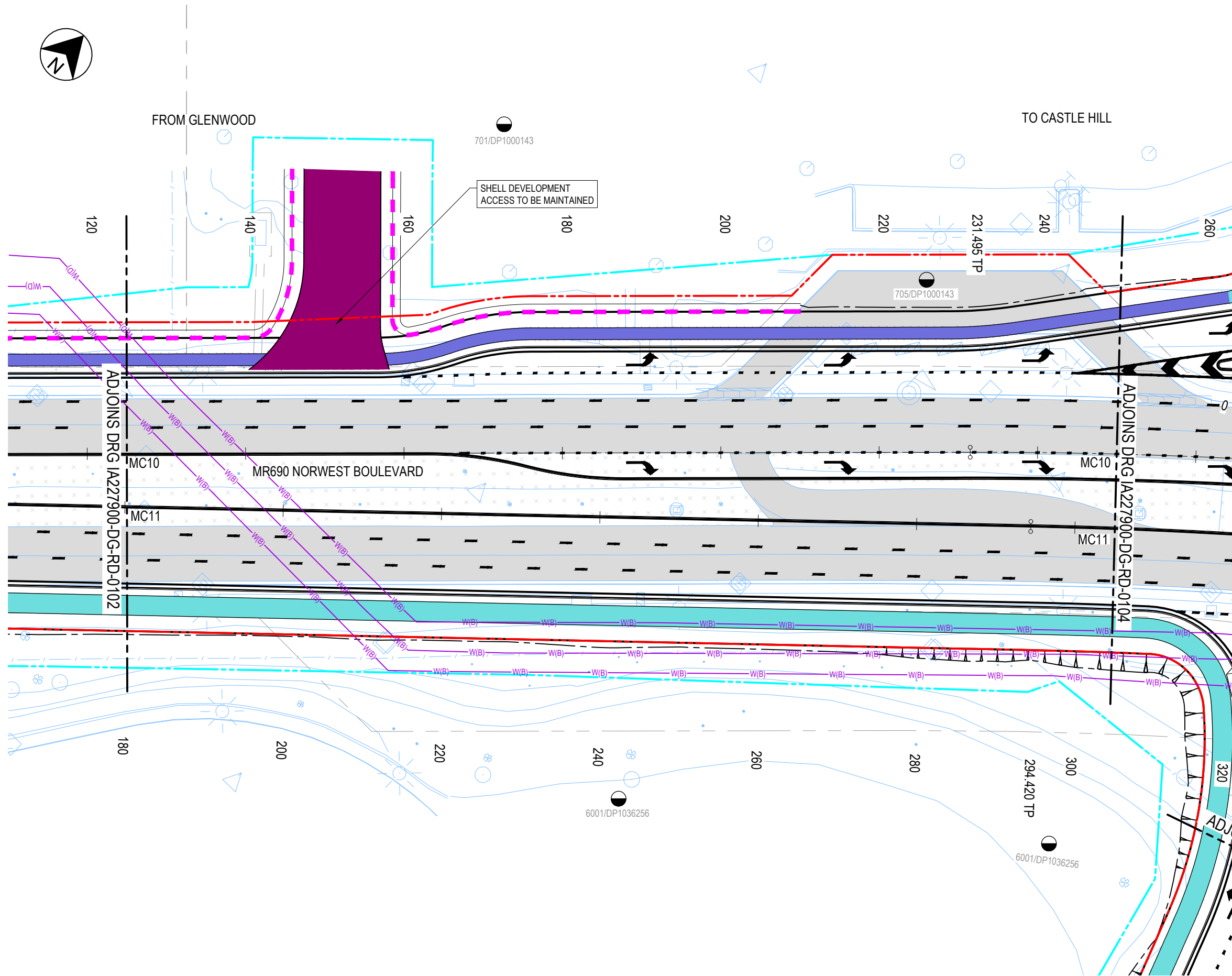


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DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING MX-GENIO-DES-NORWEST-50%-20200514.txt				REV		DATE		AMENDMENT / REVISION DESCRIPTION		APPROVAL		SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE		NAME		DATE		RMS REGISTRATION No. DS2019/001395		PART RD	
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												CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		DESIGN CHECK		D.HORWOOD		14.05.2020		PREPARED FOR TECHNICAL AND PROJECT SERVICES GREATER SYDNEY PROJECT OFFICE (GSPO) GSPO PROGRAM 7			
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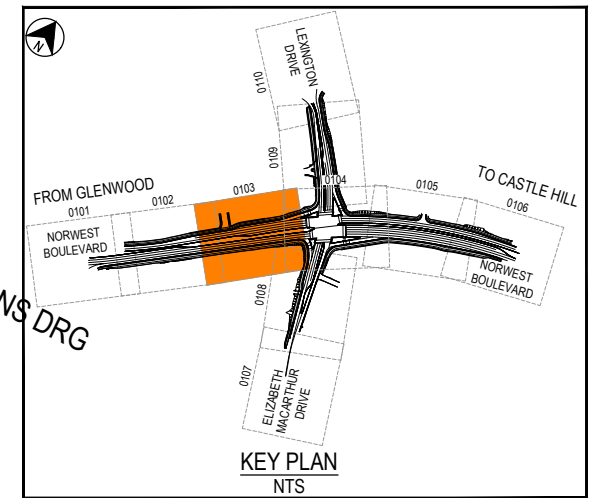
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50mm ON A3 SIZE ORIGINAL

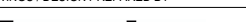


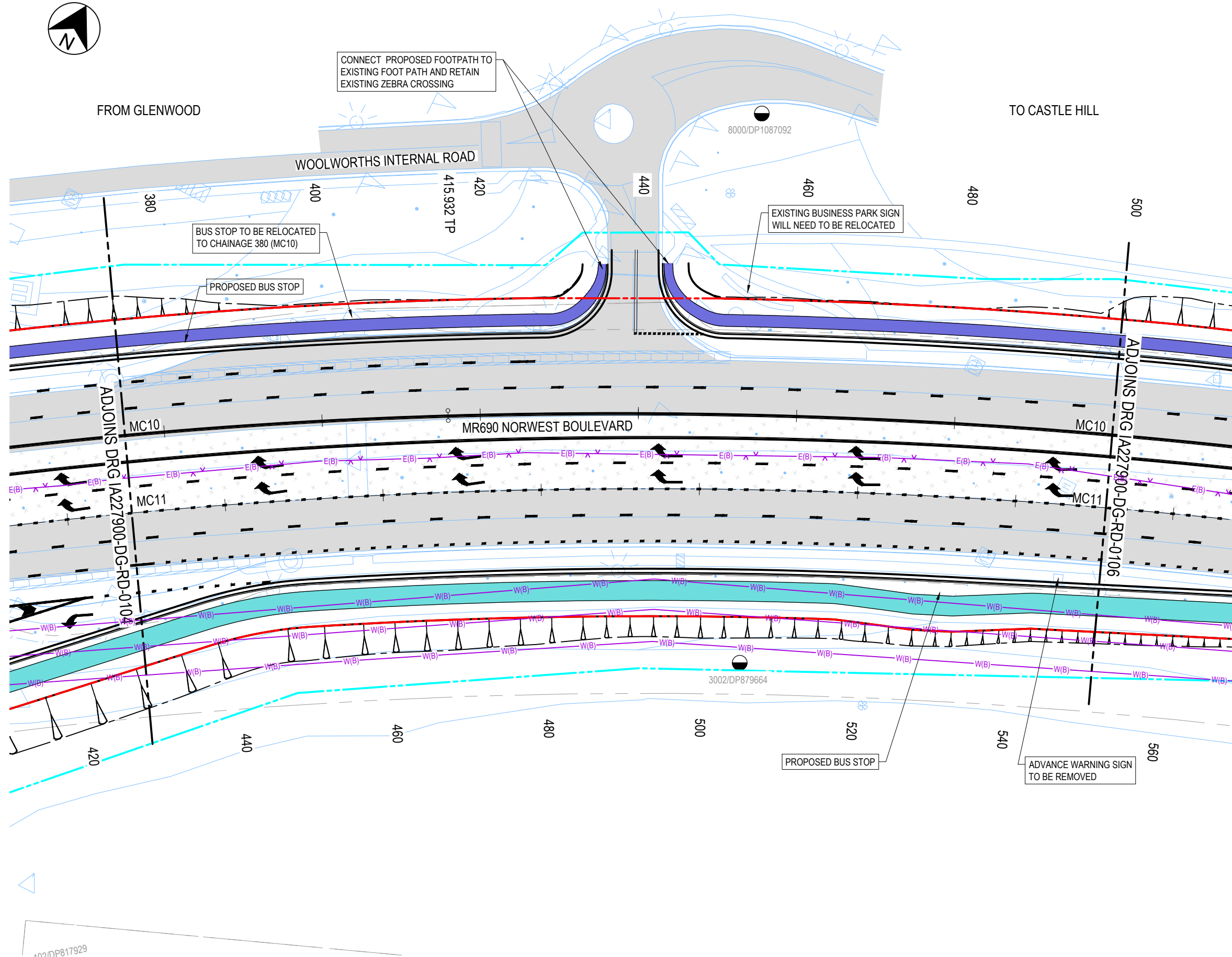
- LEGEND**
- GENERAL**
- EXISTING PAVEMENT
 - EXISTING MEDIAN
 - SURVEY
 - EXISTING PEDESTRIAN FENCE
 - DIGITAL CADASTRE
 - ADJUSTED PROPERTY BOUNDARY
 - PROJECT BOUNDARY
 - CONTROL LINE AND LABEL
 - EARTHWORKS & GROUND INTERFACE
 - STREET, LOT & DP NUMBER
 - PROPERTY ADJUSTMENT
 - RETAINING WALL
 - W-BEAM SAFETY BARRIER
 - PEDESTRIAN SAFETY FENCE
 - DRIVEWAY
 - FOOTPATH
 - SHARED PATH
 - TRANSVERSE DRAINAGE CULVERT
- EXISTING MAJOR UTILITIES TO REMAIN**
- E(B) ELECTRICAL TRANSMISSION
 - W(B) WATER MAIN

- NOTES**
1. FOR GENERAL NOTES REFER SHEET GE-0011.



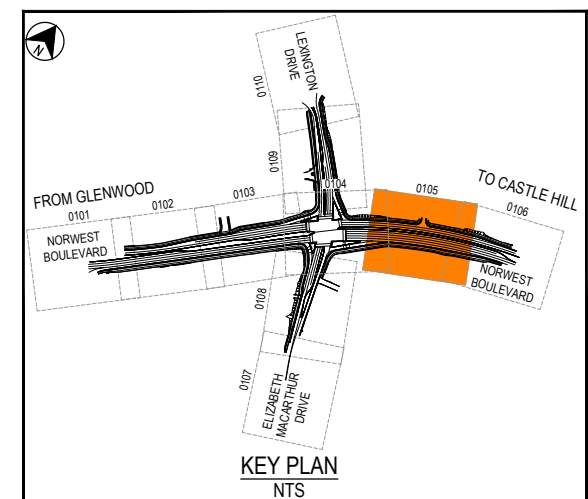
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DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING										REV			DATE			AMENDMENT / REVISION DESCRIPTION			APPROVAL			SCALES ON A3 SIZE DRAWING			DRAWINGS / DESIGN PREPARED BY			TITLE			NAME			DATE															
MX-GENIO-DES-NORWEST-50%_20200514.txt										0			03.12.2019			ISSUED FOR 20% CONCEPT DESIGN			S.RUSBY			 SCALE 1:500 AT A3			 ABN 37 001 024 095 and ACN 001 024 095 Jacobs Group (Australia) Pty Ltd Level 7, 177 Pacific Highway North Sydney, NSW 2060 AUSTRALIA Tel: +61 2 9928 2100 Fax: +61 2 9928 2500 Web: www.jacobs.com			DRAWN			S.BOJJI			14.05.2020															
										1			14.05.2020			ISSUED FOR 50% CONCEPT DESIGN			S.SWINBURNE									DRG CHECK			S.GALLOWAY			14.05.2020															
																									DESIGN			R.TIRICOVSKI			14.05.2020																		
																												DESIGN CHECK			D.HORWOOD			14.05.2020															
																															DESIGN MNGR			N.TANG			14.05.2020												
																																		PROJECT MNGR			S.SWINBURNE			14.05.2020									
																																								PREPARED FOR TECHNICAL AND PROJECT SERVICES GREATER SYDNEY PROJECT OFFICE (GSPO) GSPO PROGRAM 7			RMS REGISTRATION No. DS2019/001395			PART RD			
																																								ISSUE STATUS 50% CONCEPT DESIGN			EDMS No.			SHEET No. RD-0103			REV 1



LEGEND	
GENERAL	
	EXISTING PAVEMENT
	EXISTING MEDIAN
	SURVEY
	EXISTING PEDESTRIAN FENCE
	DIGITAL CADASTRE
	ADJUSTED PROPERTY BOUNDARY
	PROJECT BOUNDARY
	CONTROL LINE AND LABEL
	EARTHWORKS & GROUND INTERFACE
	STREET, LOT & DP NUMBER
	PROPERTY ADJUSTMENT
	RETAINING WALL
	W-BEAM SAFETY BARRIER
	PEDESTRIAN SAFETY FENCE
	DRIVEWAY
	FOOTPATH
	SHARED PATH
	TRANSVERSE DRAINAGE CULVERT
EXISTING MAJOR UTILITIES TO REMAIN	
	ELECTRICAL TRANSMISSION
	WATER MAIN

NOTES
1. FOR GENERAL NOTES REFER SHEET GE-0011.

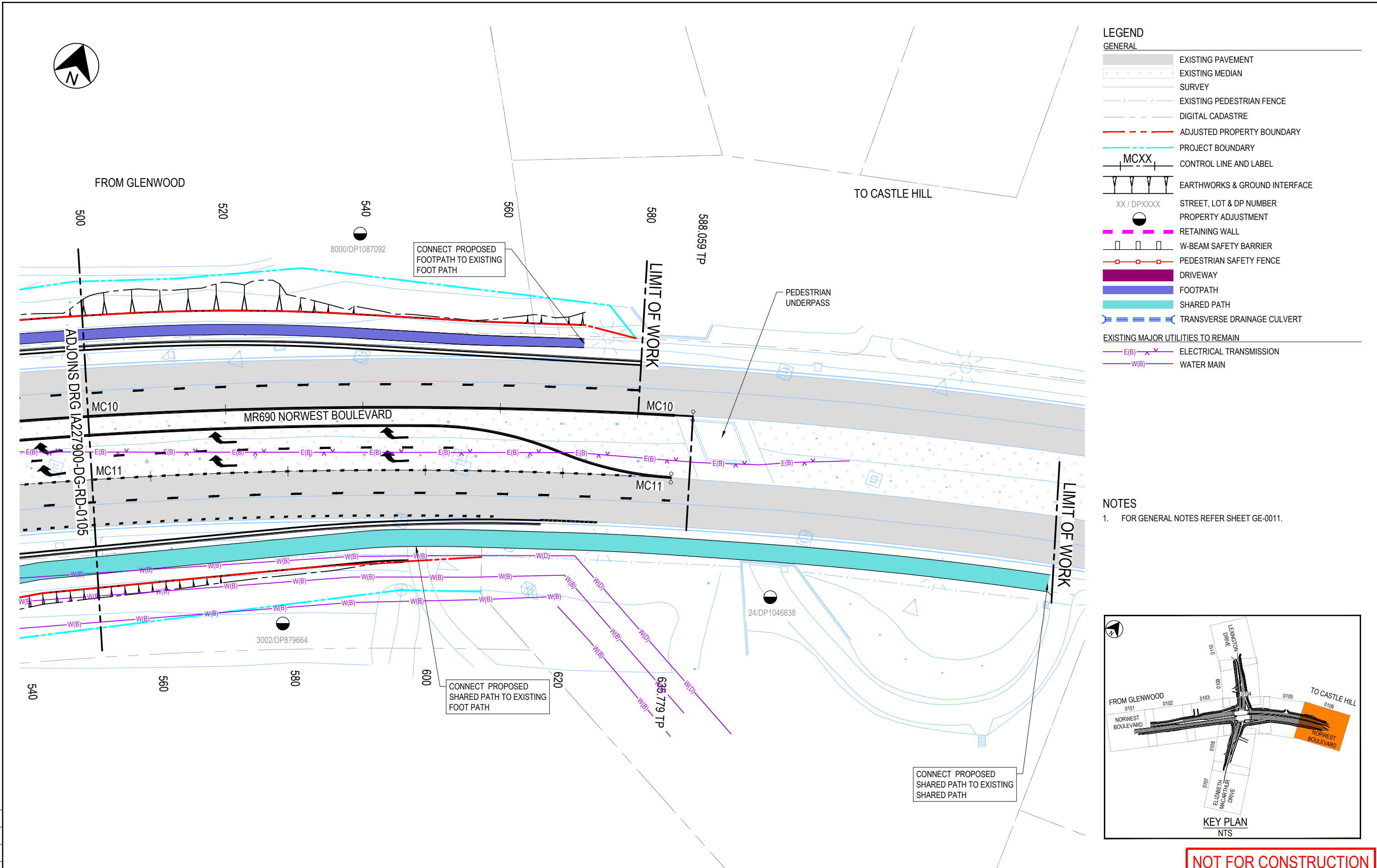


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DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING MX-GENIO-DES-NORWEST-50%-20200514.txd			APPROVAL S.RUSBY S.SWINBURNE		DRAWINGS / DESIGN PREPARED BY 		TITLE DRAWN DRG CHECK DESIGN DESIGN CHECK DESIGN MNGR PROJECT MNGR		NAME S.BOJJI S.GALLOWAY R.TIRICOVSKI D.HORWOOD N.TANG S.SWINBURNE		DATE 14.05.2020 14.05.2020 14.05.2020 14.05.2020 14.05.2020 14.05.2020		PREPARED FOR TECHNICAL AND PROJECT SERVICES GREATER SYDNEY PROJECT OFFICE (GSPO) GSPO PROGRAM 7		RMS REGISTRATION No. DS2019/001395	
REV 0 1			DATE 03.12.2019 14.05.2020		AMENDMENT / REVISION DESCRIPTION ISSUED FOR 20% CONCEPT DESIGN ISSUED FOR 50% CONCEPT DESIGN		SCALES ON A3 SIZE DRAWING SCALE 1:500 		CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		ISSUE STATUS 50% CONCEPT DESIGN		EDMS No.	
													SHEET No. RD-0105		REV 1	

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50mm ON A3 SIZE ORIGINAL



GENERAL

EXISTING MAJOR UTILITIES TO REMAIN

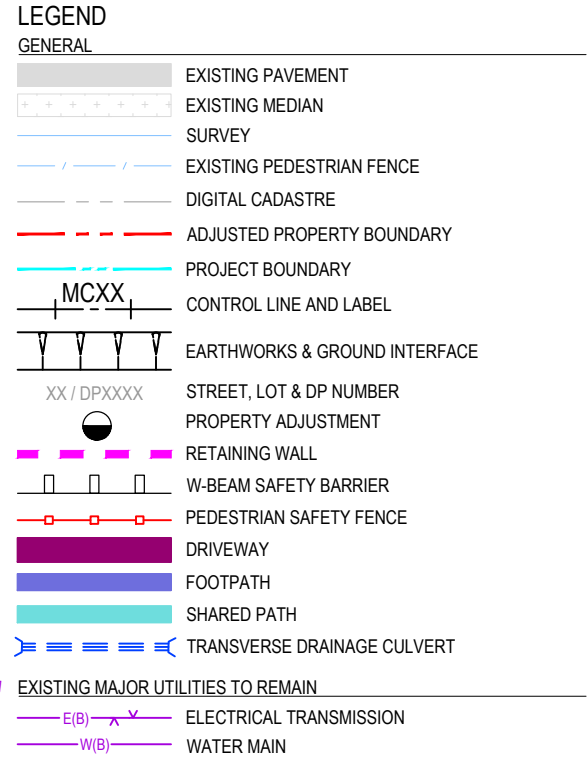
— E(B) —  — ELECTRICAL TRANSMISSION

— W(B) — WATER MAIN

1. FOR GENERAL NOTES REFER SHEET GE-0011.

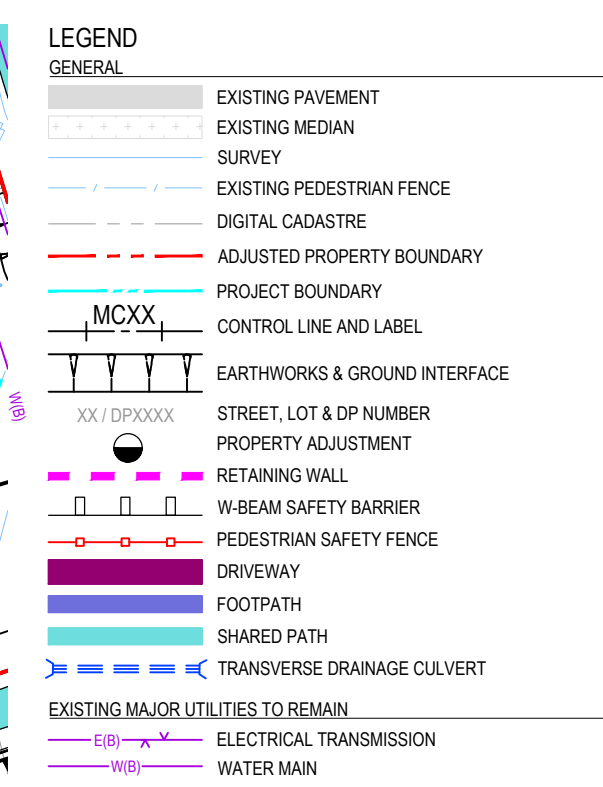


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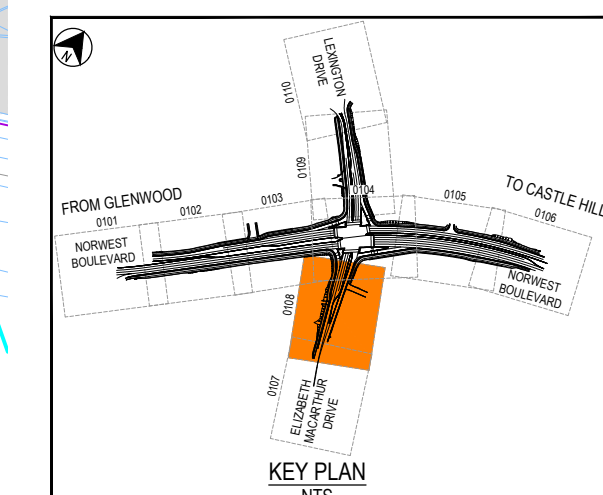
A key plan map showing the intersection of Northwest Boulevard, Lenington Drive, and Elizabeth McArthur Drive. The map includes lot numbers 0101 through 0106 and 0107 through 0108. A north arrow is located in the top left corner. The map is titled "KEY PLAN NTS" at the bottom.

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DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING				REV		DATE		AMENDMENT / REVISION DESCRIPTION		APPROVAL		TITILE		NAME		DATE		 Transport for NSW		SHEET 7 OF 10													
MX-GENIO-DES-NORWEST-50%-20200514.txt				0		03.12.2019		ISSUED FOR 20% CONCEPT DESIGN		S.RUSBY		DRAWN		S.BOJI		14.05.2020																	
				1		14.05.2020		ISSUED FOR 50% CONCEPT DESIGN		S.SWINBURNE		DRG CHECK		S.GALLOWAY		14.05.2020																	
SCALE 1:500  AT A3										 ARN 37 001 024 095 and ACN 001 024 095 Jacobs Group (Australia) Pty Ltd Level 7, 177 Pacific Highway North Sydney, NSW 2060 AUSTRALIA Tel: +61 2 9928 2100 Fax: +61 2 9928 2500 Web: www.jacobs.com										DESIGN		R.TIRICOVSKI		14.05.2020		PREPARED FOR TECHNICAL AND PROJECT SERVICES GREATER SYDNEY PROJECT OFFICE (GSP0) GSP0 PROGRAM 7		RMS REGISTRATION No.		DS2019/001395		PART RD	
																				CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		DESIGN CHECK				D.HORWOOD		14.05.2020		ISSUE STATUS	
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												PROJECT MNGR		S.SWINBURNE		14.05.2020																	

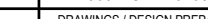


NOTES

1. FOR GENERAL NOTES REFER SHEET GE-0011.

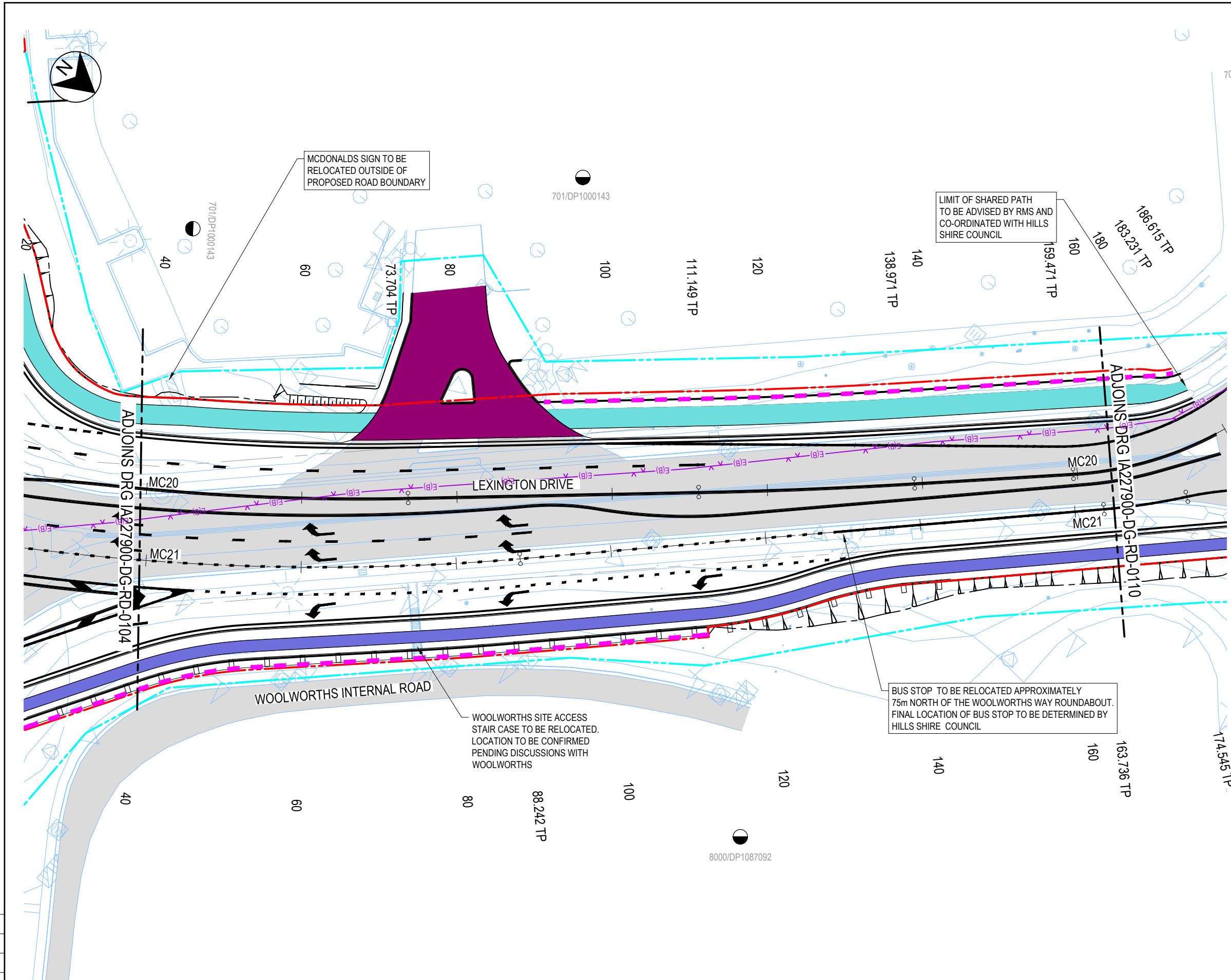


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DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING MX-GENIO-DES-NORWEST-50%-20200514.bxt		REV 0 1	DATE 03.12.2019 14.05.2020	AMENDMENT / REVISION DESCRIPTION ISSUED FOR 20% CONCEPT DESIGN ISSUED FOR 50% CONCEPT DESIGN		APPROVAL S.RUSBY S.SWINBURNE	SCALES ON A3 SIZE DRAWING SCALE 1:500  AT A3		DRAWINGS / DESIGN PREPARED BY  ABN 37 001 024 095 and ACN 001 024 095 Jacobs Group (Australia) Pty Ltd Level 7, 177 Pacific Highway North Sydney, NSW 2060 AUSTRALIA Tel: +61 2 9628 2100 Fax: +61 2 9628 2500 Web: www.jacobs.com		TITLE DRAWN DRG CHECK DESIGN DESIGN CHECK DESIGN MNGR PROJECT MNGR		NAME S.BOJJI S.GALLOWAY R.TIRICOVSKI D.HORWOOD N.TANG S.SWINBURNE		DATE 14.05.2020 14.05.2020 14.05.2020 14.05.2020 14.05.2020 14.05.2020		PREPARED FOR TECHNICAL AND PROJECT SERVICES GREATER SYDNEY PROJECT OFFICE (GSPO) GSPO PROGRAM 7		RMS REGISTRATION No. DS2019/001395 ISSUE STATUS 50% CONCEPT DESIGN		EDMS No. SHEET No. RD-0108	

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LEGEND

GENERAL

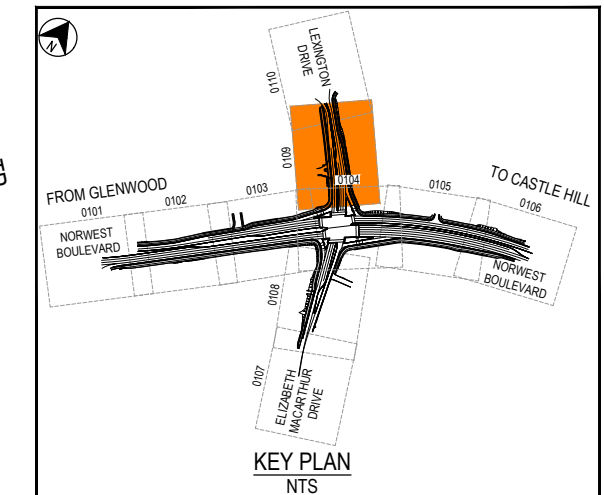
- EXISTING PAVEMENT
- EXISTING MEDIAN
- SURVEY
- EXISTING PEDESTRIAN FENCE
- DIGITAL CADASTRE
- ADJUSTED PROPERTY BOUNDARY
- PROJECT BOUNDARY
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EXISTING MAJOR UTILITIES TO REMAIN

- E(B) ELECTRICAL TRANSMISSION
- W(B) WATER MAIN

NOTES

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DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING MX-GENIO-DES-NORWEST-50%-20200514.txt				SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY		TITLE		NAME		DATE		RMS REGISTRATION No. DS2019/001395		PART RD	
REV 0 03.12.2019 ISSUED FOR 20% CONCEPT DESIGN 1 14.05.2020 ISSUED FOR 50% CONCEPT DESIGN				SCALE 1:500		JACOBS		DRAWN		S.BOJJI		14.05.2020		ISSUE STATUS		SHEET No. RD-0109	
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						PROJECT MNGR		S.SWINBURNE		14.05.2020							

