



21 January 2021

Reference: P.0043166

Bob Dwyer
Lord Mayor
City of Parramatta
126 Church Street
Parramatta, NSW 2150

Dear Bob

Consultation regarding proposed intersection upgrade at Pennant Hills Road and North Rocks Road in Carlingford

Transport for NSW is proposing to undertake works for the Pennant Hills Road and North Rocks Road intersection upgrade at Carlingford. The objectives of the proposal are to reduce delays, manage congestion and maintain travel times particularly during week day peak periods.

Transport for NSW previously consulted with Council regarding the project in July 2017. The proposal involved the provision of an additional through lane and new intersection configurations on Pennant Hills Road and North Rocks Road, which would ease congestion and improve traffic flow along the corridor. Refer to Attachment 1 for the letter provided to Council in 2017 as well as a summary of Council's comments and Transport for NSW (then Roads and Maritime Services) response.

The project was approved in 2018 however since then the scope has been modified. The modified proposal would involve:

- Widen Pennant Hills Road between Woodstock Road and Murray Farm Road to accommodate an additional through lane in each carriageway
- Additional two right turn lanes from North Rocks Road west into Pennant Hills Road southbound
- Remove the left turn only condition for road users travelling on Pennant Hills Road northbound to enable three northbound lanes through the intersection
- Install left turn slip lane with new traffic island on Pennant Hills Road southbound to North Rocks Road eastbound.
- Maintain the existing left turn slip lane on North Rocks Road eastbound into northbound Pennant Hills Road northbound
- An additional right turn lane for road users travelling eastbound and turning right from North Rocks Road into Pennant Hills Road

- Install a raised median in the centre of Pennant Hills Road between Woodstock Road and Murray Farm Road
- New pedestrian crossing on the southern leg of Pennant Hills Road/North Rocks Road intersection
- Adjust driveways and footpaths
- Adjust utilities, street lighting, drainage, signage and line marking.

The key features of the modified proposal are shown in Attachment 2.

Under the State Environmental Planning Policy (Infrastructure) 2007, Transport for NSW is required to consult with City of Parramatta under clause 13 due to the potential impacts on council related infrastructure.

These are itemised below:

- Permanent traffic changes to North Rocks Road near the intersection of Pennant Hills Road
- Realignment of footpath along Pennant Hills Road and North Rocks road near the intersection
- Additional drainage pits and pipes along Pennant Hills Road and North Rocks Road near the intersection.

A design plan of the modified proposal is attached to this letter (Attachment 3) which shows the proposal in detail.

It would be appreciated if you could provide any comments about this proposal by 12 February 2021.

Transport for NSW would be pleased to provide further information if required. In this regard Pira Ramunanathan may be contacted on 0437 797 833 or by email pira.ramunanathan@transport.nsw.gov.au.

Yours faithfully

Pira Ramunanathan
Project Manager
Easing Sydney's Congestion Program Office, Transport for NSW

Attachment 1

Letter Provided to Parramatta City Council, dated 24 July 2017 and summary of Council comments and Transport for NSW (then Roads and Maritime Services) responses

24 July 2017

Reference: P.0017982

Richard Searle
Service Manager Traffic and Transport
City of Parramatta
126 Church Street
Parramatta, NSW 2150

Dear Richard,

Consultation regarding proposed intersection upgrade at Pennant Hills Road and North Rocks Road in Carlingford

We are writing to inform you of the proposed intersection upgrade at Pennant Hills Road and North Rocks Road as part of Roads and Maritime Services (Roads and Maritime) Easing Sydney's Congestion Pinch Point Program. The objectives of the proposal are to reduce delays, manage congestion and maintain travel times particularly during week day peak periods.

The proposal would involve;

- Widening Pennant Hills Road to three through lanes, from approximately 200m north of the existing intersection, to Woodstock Road to the south (with widening within the existing road reserve, mostly to the east).
- Dedicated high entry left slip lane from Pennant Hills Road (north approach) onto North Rocks Road (eastern approach).
- Dedicated right turn bay from North Rocks Road (eastern approach) onto Pennant Hills Road (travelling north).
- Lengthen existing left turn bay from North Rocks Road (eastern approach) onto Pennant Hills Road (travelling south) to make this a shared through and left turn lane, and
- Associated works including private property fence and driveway modification along Pennant Hills Road, establishment of a site compound at the Roads and Maritime owned vacant land at the north east corner of the intersection, utility relocations, environmental controls, vegetation removal, new pavement and kerb, new stormwater pits and connections, line marking and signage.

Under the State Environmental Planning Policy (Infrastructure) 2007, Roads and Maritime is required to consult with the City of Parramatta under clause 13 and 14 due to the potential impacts on council related infrastructure. These are itemised below:

- Permanent traffic changes to North Rocks Road near the intersection of Pennant Hills Road. Roads and Maritime is proposing to widen and modify North Rocks Road as outlined above, refer Attachment A.
- Permanent realignment of the pedestrian footpath on the eastern and western side of Pennant Hills Road for the length of the proposal, refer Attachment A and
- Additional drainage pipes and pits along North Rocks Road.

It has been determined that this proposal may have more than a minor or inconsequential impact upon the pedestrian footpath and council owned infrastructure. A Review of Environmental Factors (REF) is currently being prepared to assess the likely impacts of the proposal under Part 5 of the *Environmental Planning and Assessment Act, 1979*. It is expected the proposed works would commence in early 2019 and take 18 months to complete.

A design plan of the proposal on an aerial is attached to this letter (Attachment A) which shows the proposal in detail.

To enable consideration of your comments, a response would be appreciated by 22nd August 2017. Roads and Maritime would be pleased to provide further information if required, in this regard George Allan (Project Manager) may be contacted on the below details.

Yours faithfully,

George Allan
Project Manager – North Pinch Points
Easing Sydney's Congestion
Email: george.a.allan@rms.nsw.gov.au

A response from Parramatta City Council was provided on 11 December 2017. A summary of the issues raised by Council and a response from Roads and Maritime is provided below:

Council issue	Roads and Maritime response
<p>A pedestrian crossing should be added across the southern leg of the intersection. This will provide improved connections across Pennant Hills Road and reduce delays for pedestrians on the southern side of North Rocks Road.</p>	<p>RMS has not installed a pedestrian crossing at this intersection because pedestrians crossing time on this leg exceeds the corresponding traffic phase. To install a pedestrian crossing on this leg will increase delays to traffic flow in through on the intersection. The majority of pedestrians at this intersection cross to / from the NE corner. There is very limited demand to only cross from the SE to the SW corners. This item is currently with RMS Network Operations for approval to keep the existing situation and not install this pedestrian crossing.</p>
<p>North Rocks Road in this area is one of Council's cycle routes as a consequence; cycle route requirements should be incorporated into the design.</p>	<p>This is acknowledged, and where affected by this proposal, the cycle route requirements will be implemented.</p>
<p>Council could not agree to the narrowing of the footway below 3.5m wide on these two busy roads. The maintenance of the footway width is seen as important to encourage use for active transport rather than vehicle trips.</p>	<p>Pennant Hills Rd and North Rocks Rd Intersection is a major intersection which is currently operating at capacity with significant peak hour delays. To achieve a suitable lane configuration which will increase the intersection capacity without property acquisition requires the footpaths to be less than 3.5 m in some locations mainly in areas where they are currently less than 3.5m.</p>

Attachment 2

Key features of the modified proposal

Proposed changes on Pennant Hills Road and North Rocks Road, Carlingford



Easing congestion

Improving traffic flow

Improve travel speeds

Improving safety

Save travel time

Intersection Improvements

Attachment 3

Design plan of the modified proposal

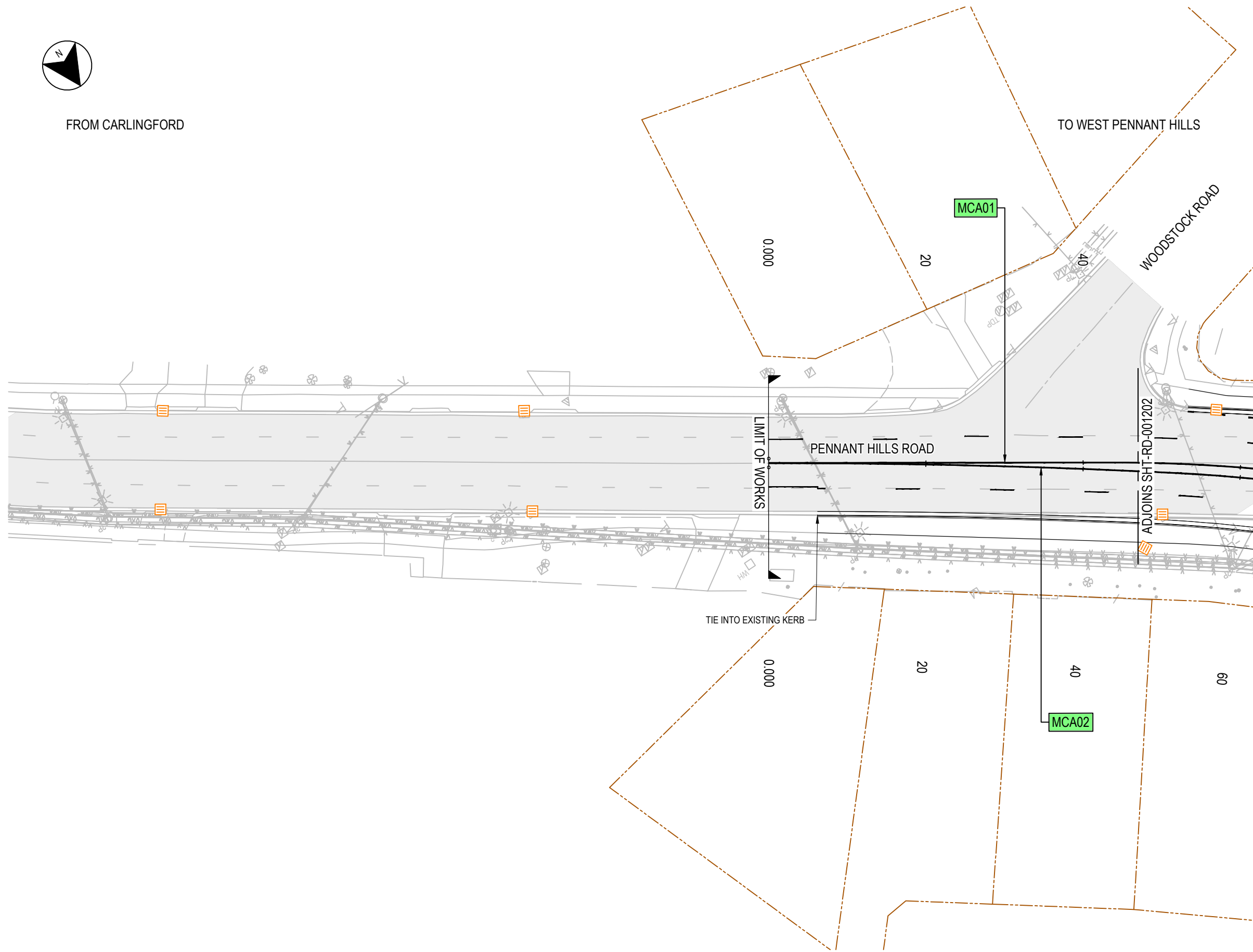
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FROM CARLINGFORD

TO WEST PENNANT HILLS



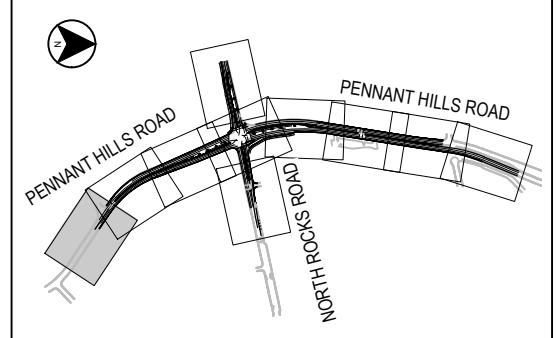
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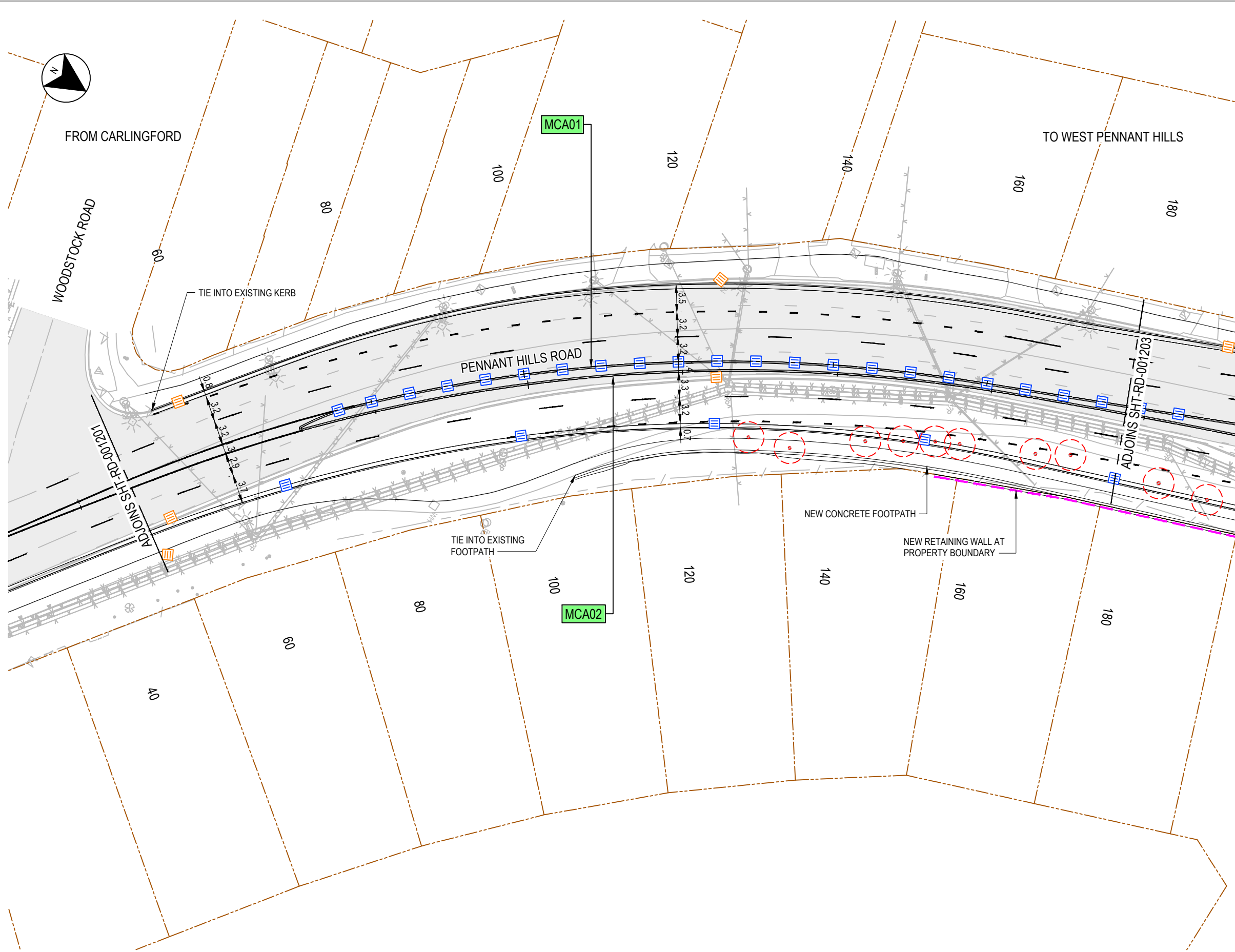
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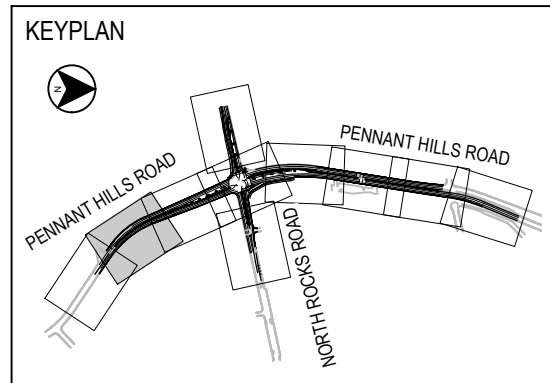
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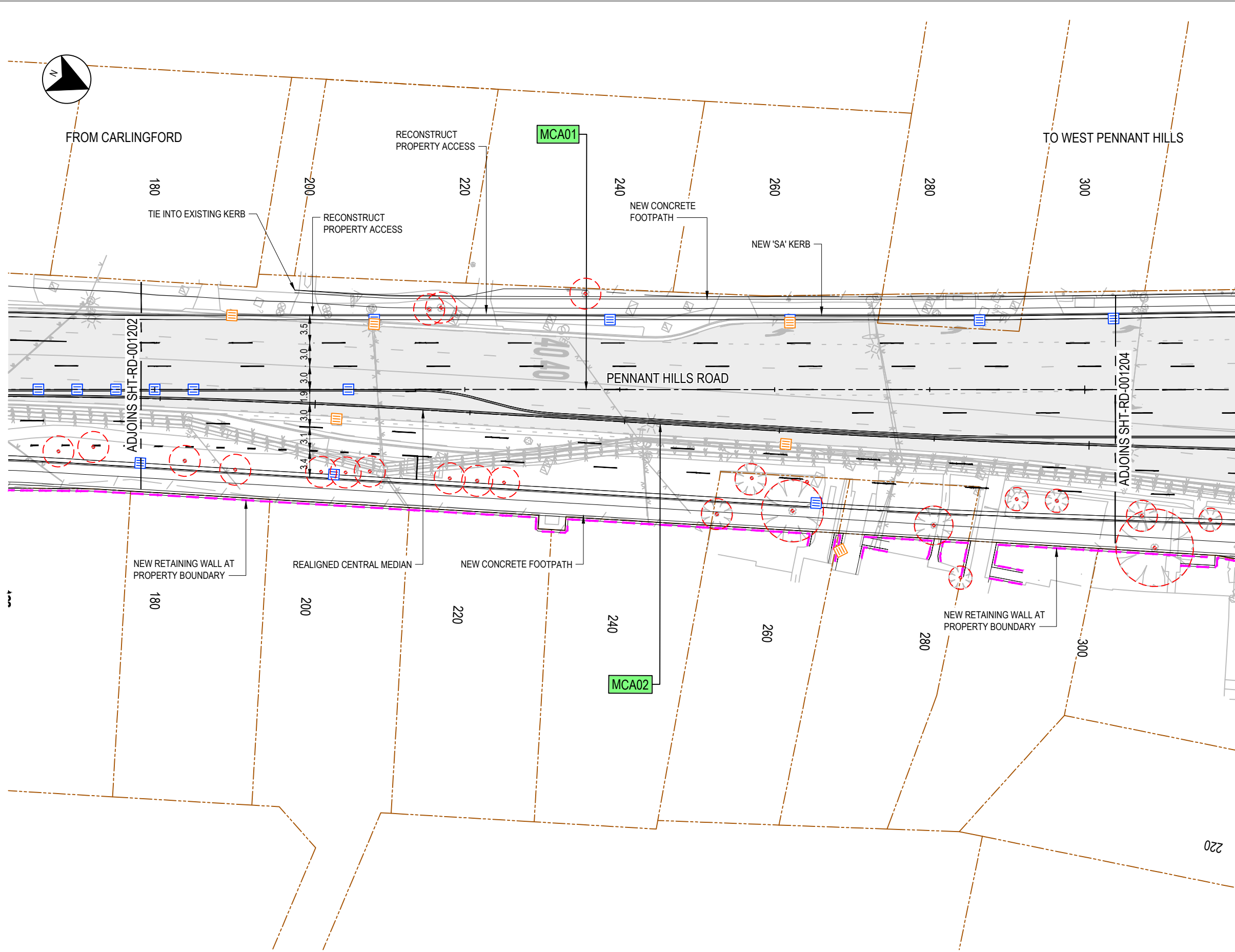


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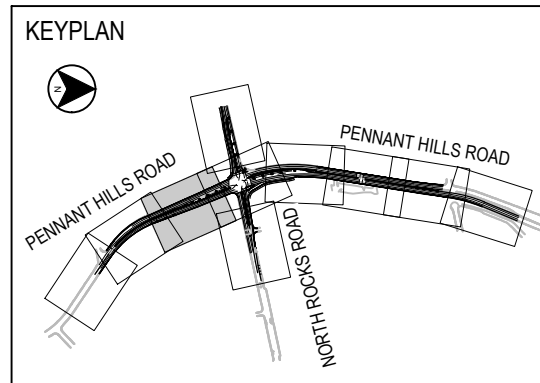
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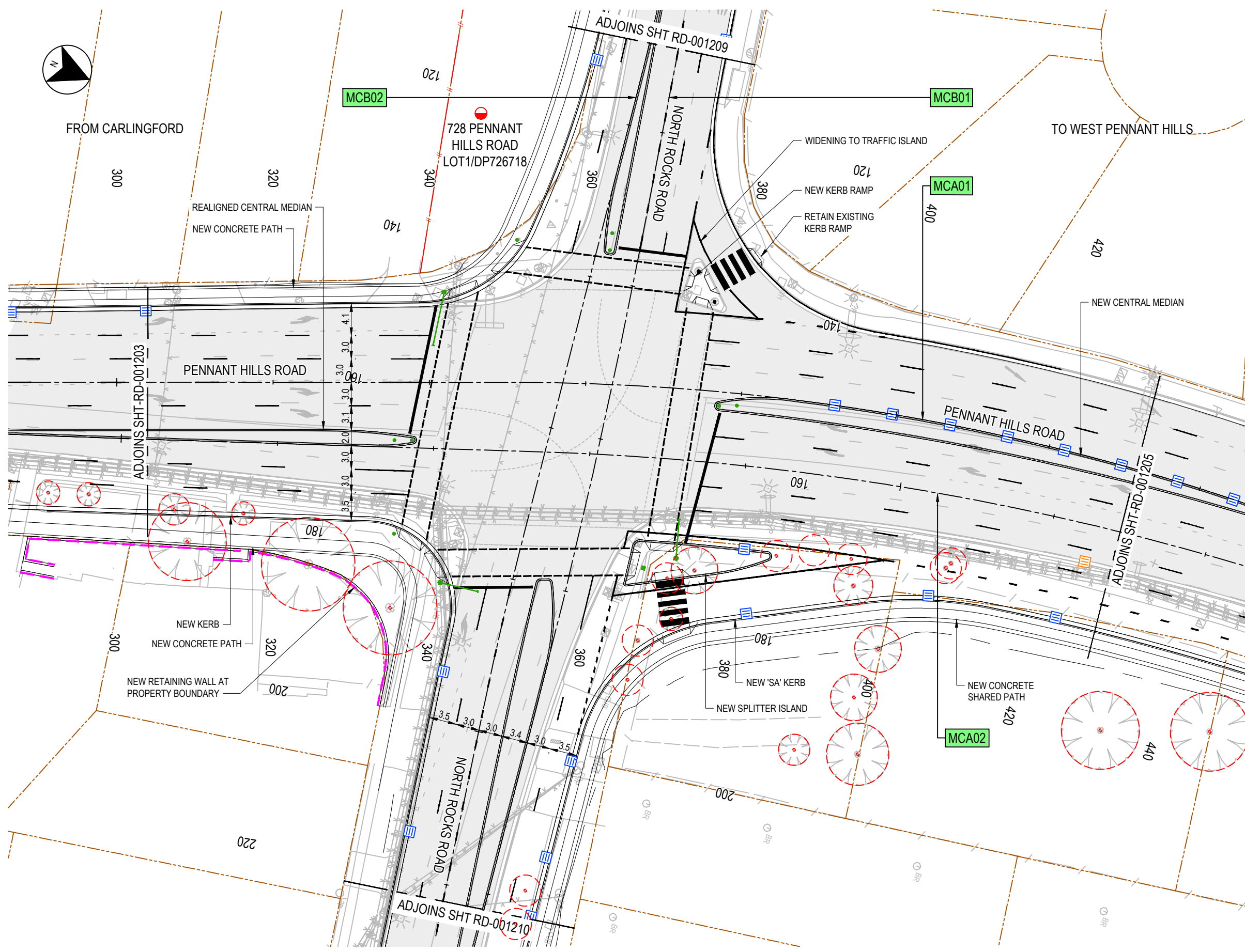


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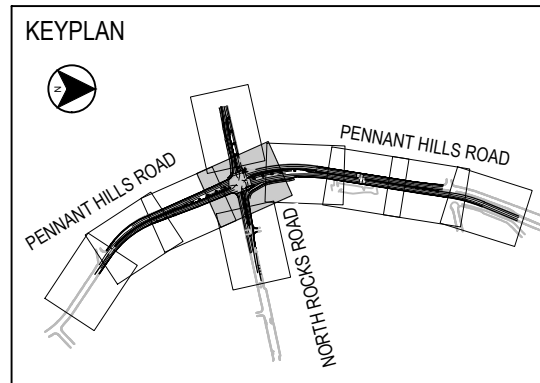
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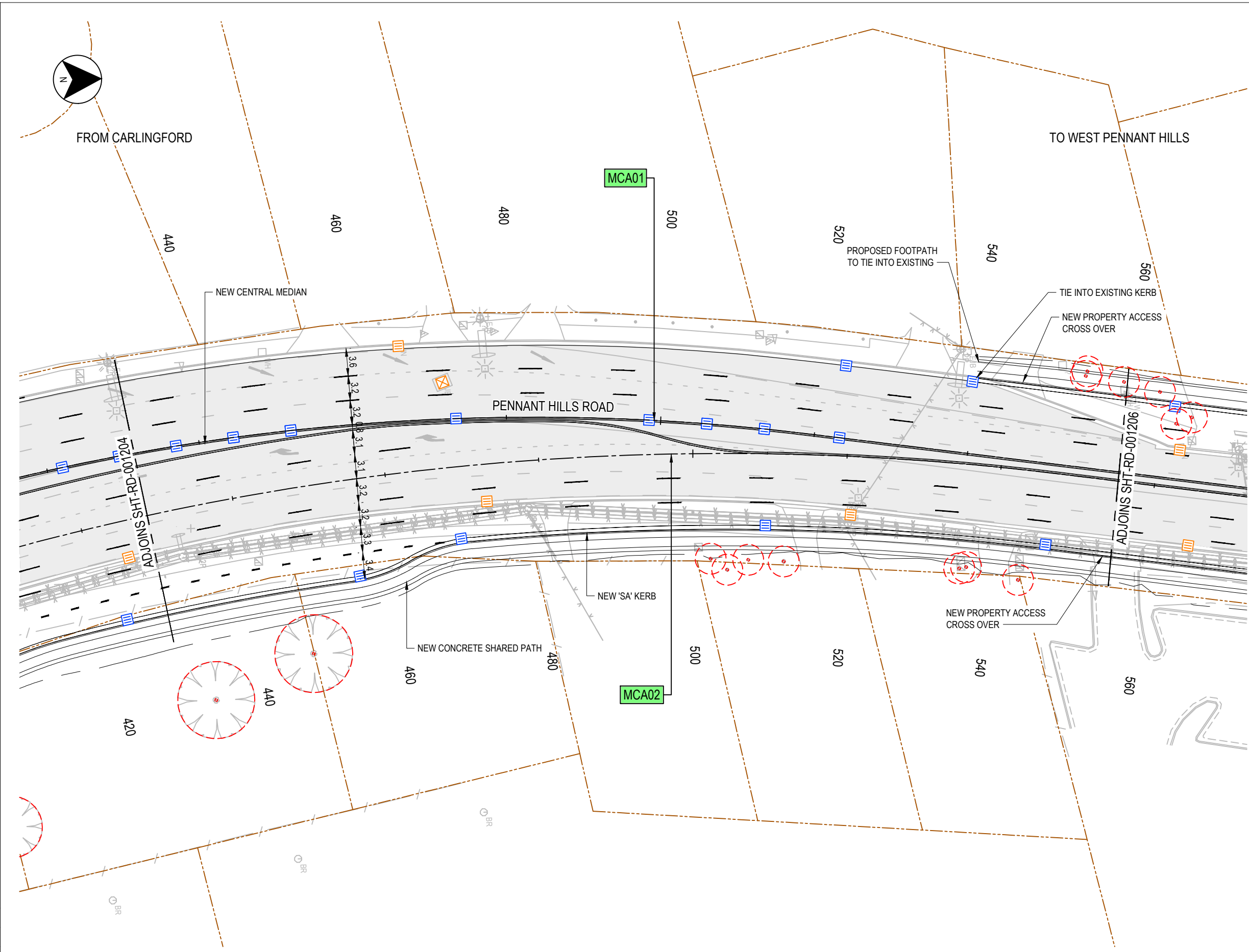
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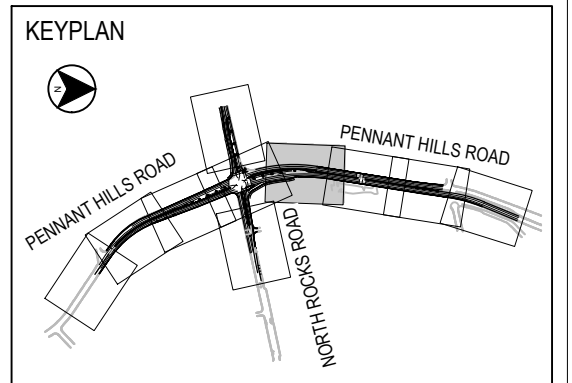
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- NEW HAUNCHED PIT
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- NEW TCS POSTS & MAST ARMS
- EXISTING TCS POSTS & MAST ARMS (TO BE MAINTAINED)
- PROPERTY WORKS
- TCS NUMBER

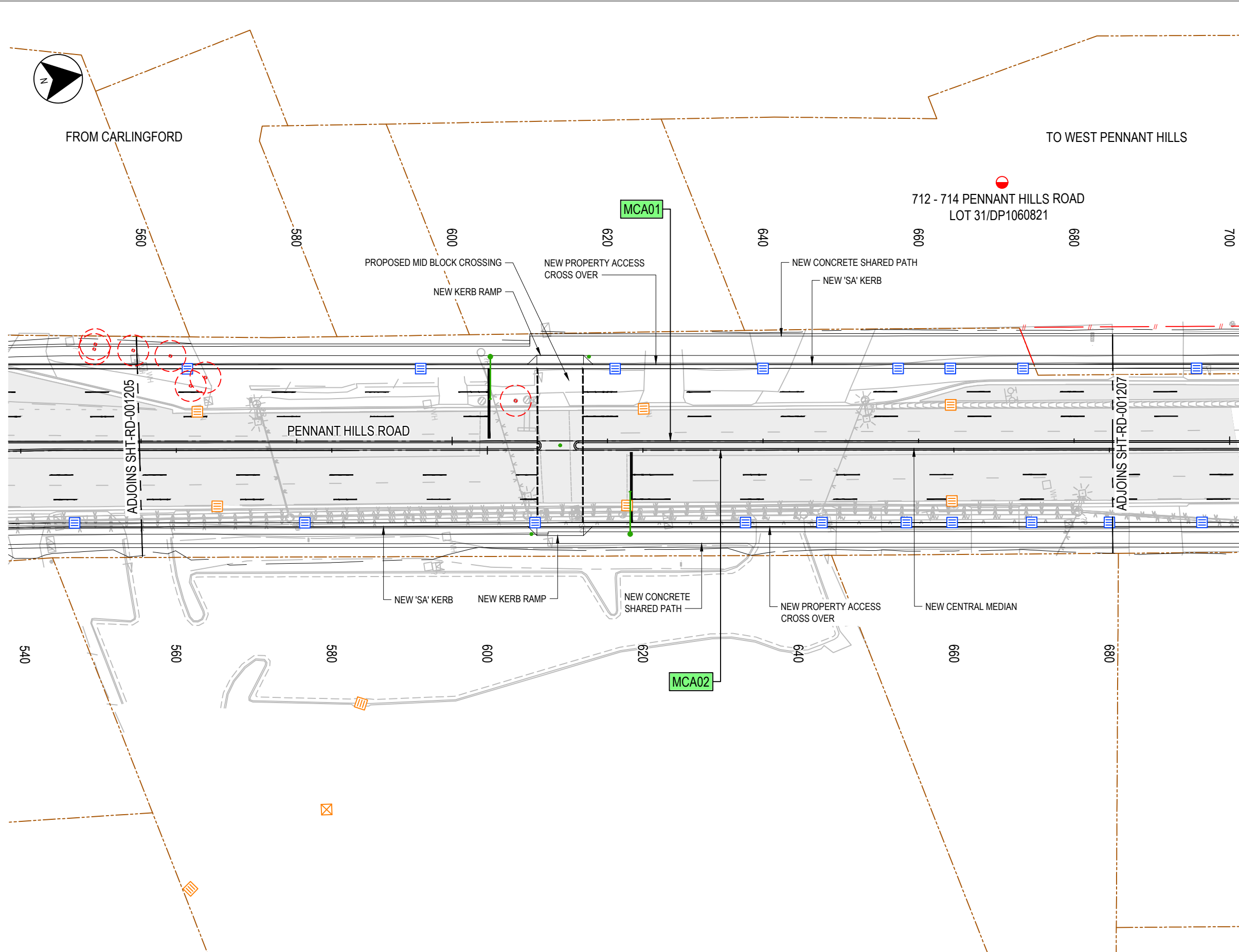
- ### NOTES
1. FOR CONTROL AND SETOUT TABLES REFER TO SHEETS SHT-RD-001001 TO SHT-RD-001005.
 2. PROPERTY ADJUSTMENTS YET TO BE AGREED UPON BY PROPERTY OWNERS.



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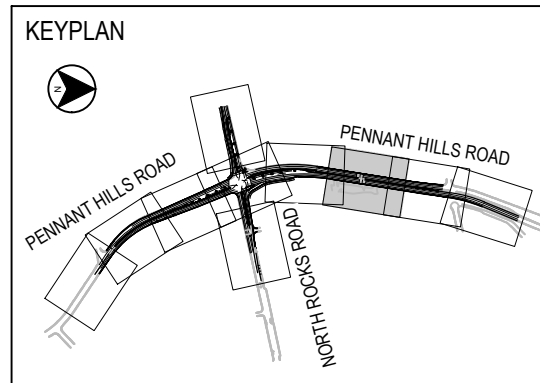
THIS DRAWING MAY BE PREPARED IN COLOUR AND MAY BE INCOMPLETE IF COPIED 50mm ON A3 SIZE ORIGINAL

DRAWING FILE LOCATION / NAME PW:/P0043166-SHT-RD-001205.DWG		DESIGN LOT CODE -	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING -		PLOT DATE / TIME 30-Nov-20 / 1:50:25 PM	PLOT BY NESTOR. ESTRADA	CLIENT PARRAMATTA COUNCIL HW13 PENNANT HILLS ROAD PENNANT HILLS ROAD UPGRADE AT INTERSECTION WITH NORTH ROCKS ROAD, CARLINGFORD GENERAL ARRANGEMENT PLAN	A3
EXTERNAL REFERENCE FILES	REV 0 1	DATE 21.04.2020 dd.mm.yy	AMENDMENT / REVISION DESCRIPTION DRAFT REVIEW FOR ENGINEERING SERVICES COMMENT DRAFT ISSUE (DETAILED)	WVR No.	APPROVAL A. BEBONIS A. BEBONIS	SCALES ON A3 SIZE DRAWING 1:500 FULL SIZE A3	DRAWINGS / DESIGN PREPARED BY N. ESTRADA P. MASURKAR S. WAN J. McDERMOTT C. VAVOULAS A. BEBONIS	PREPARED FOR GREATER SYDNEY DIVISION EASING SYDNEY'S CONGESTION PINCH POINTS NORTH WEST
<div style="border: 1px solid grey; padding: 5px; display: inline-block; transform: rotate(-15deg); opacity: 0.5;"> REVISION IN PROGRESS </div>							TNSW REGISTRATION No. DS2020/000214	SHEET 5 OF 10 PART 1 ISSUE 1
CO-ORDINATE SYSTEM MGA ZONE 56				HEIGHT DATUM AHD		NSW GOVERNMENT Transport for NSW		ISSUE STATUS DETAILED DESIGN



LEGEND	
	ROAD CONTROL LINE
	BOUNDARY / LOT PROPERTY
	EXISTING SURVEY
	ROAD CONTROL LINE LABEL
	NEW PROPERTY BOUNDARY / FENCE
	NEW PEDESTRIAN FENCE
	NEW RETAINING WALL
	EXISTING PAVEMENT
	EXISTING STORMWATER PIT
	NEW STORMWATER PIT
	PIPE CONNECTION TO EXISTING PIT
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	EXISTING TCS POSTS & MAST ARMS (TO BE MAINTAINED)
	PROPERTY WORKS
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- NOTES**
- FOR CONTROL AND SETOUT TABLES REFER TO SHEETS SHT-RD-001001 TO SHT-RD-001005.
 - PROPERTY ADJUSTMENTS YET TO BE AGREED UPON BY PROPERTY OWNERS.

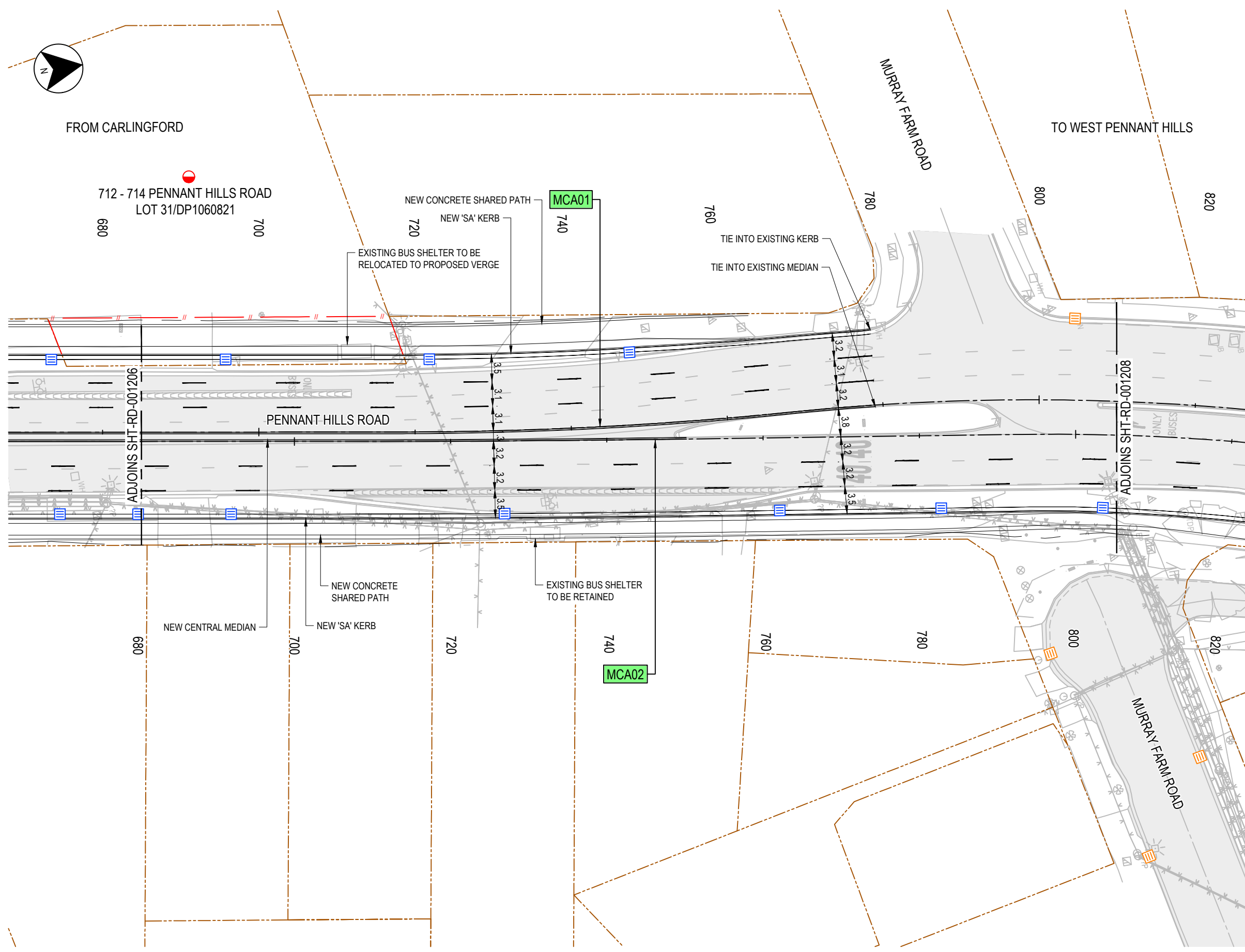


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DRAWING FILE LOCATION / NAME PW:/P0043166-SHT-RD-001206.DWG		DESIGN LOT CODE	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING	PLOT DATE / TIME 30-Nov-20 / 1:50:14 PM	PLOT BY NESTOR. ESTRADA	CLIENT	PARRAMATTA COUNCIL HW13 PENNANT HILLS ROAD PENNANT HILLS ROAD UPGRADE AT INTERSECTION WITH NORTH ROCKS ROAD, CARLINGFORD GENERAL ARRANGEMENT PLAN	A3													
EXTERNAL REFERENCE FILES	REV 0 1	DATE 21.04.2020 dd.mm.yy	AMENDMENT / REVISION DESCRIPTION DRAFT REVIEW FOR ENGINEERING SERVICES COMMENT DRAFT ISSUE (DETAILED)	WVR No.	APPROVAL A. BEBONIS A. BEBONIS	SCALES ON A3 SIZE DRAWING 1 : 500 FULL SIZE A3	DRAWINGS / DESIGN PREPARED BY	PREPARED FOR GREATER SYDNEY DIVISION EASING SYDNEY'S CONGESTION PINCH POINTS NORTH WEST													
CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">CHECK PRINT</th> </tr> <tr> <td>DISCIPLINE</td> <td>N. ESTRADA</td> </tr> <tr> <td>DISCIPLINE</td> <td>P. MASURKAR</td> </tr> <tr> <td>DISCIPLINE</td> <td>S. WAN</td> </tr> <tr> <td>DISCIPLINE</td> <td>J. McDERMOTT</td> </tr> <tr> <td>DISCIPLINE</td> <td>C. VAVOULAS</td> </tr> <tr> <td>DISCIPLINE</td> <td>A. BEBONIS</td> </tr> </table>		CHECK PRINT		DISCIPLINE	N. ESTRADA	DISCIPLINE	P. MASURKAR	DISCIPLINE	S. WAN	DISCIPLINE	J. McDERMOTT	DISCIPLINE	C. VAVOULAS	DISCIPLINE	A. BEBONIS	Transport for NSW	TINSW REGISTRATION No. DS2020/000214 ISSUE STATUS: DETAILED DESIGN EDMS No.: - SHEET No.: SHT-RD-001206 ISSUE: 1
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DISCIPLINE	N. ESTRADA																				
DISCIPLINE	P. MASURKAR																				
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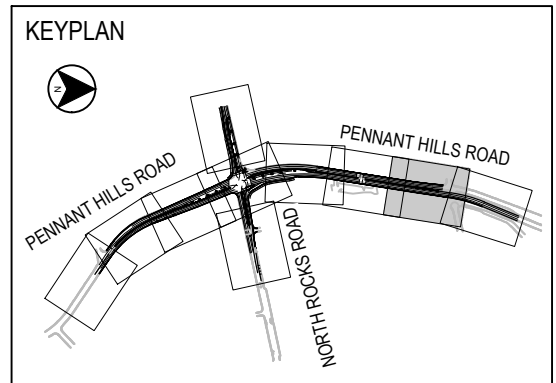
REVISION IN PROGRESS



LEGEND

- ROAD CONTROL LINE
- BOUNDARY / LOT PROPERTY
- EXISTING SURVEY
- ROAD CONTROL LINE LABEL
- NEW PROPERTY BOUNDARY / FENCE
- NEW PEDESTRIAN FENCE
- NEW RETAINING WALL
- EXISTING PAVEMENT
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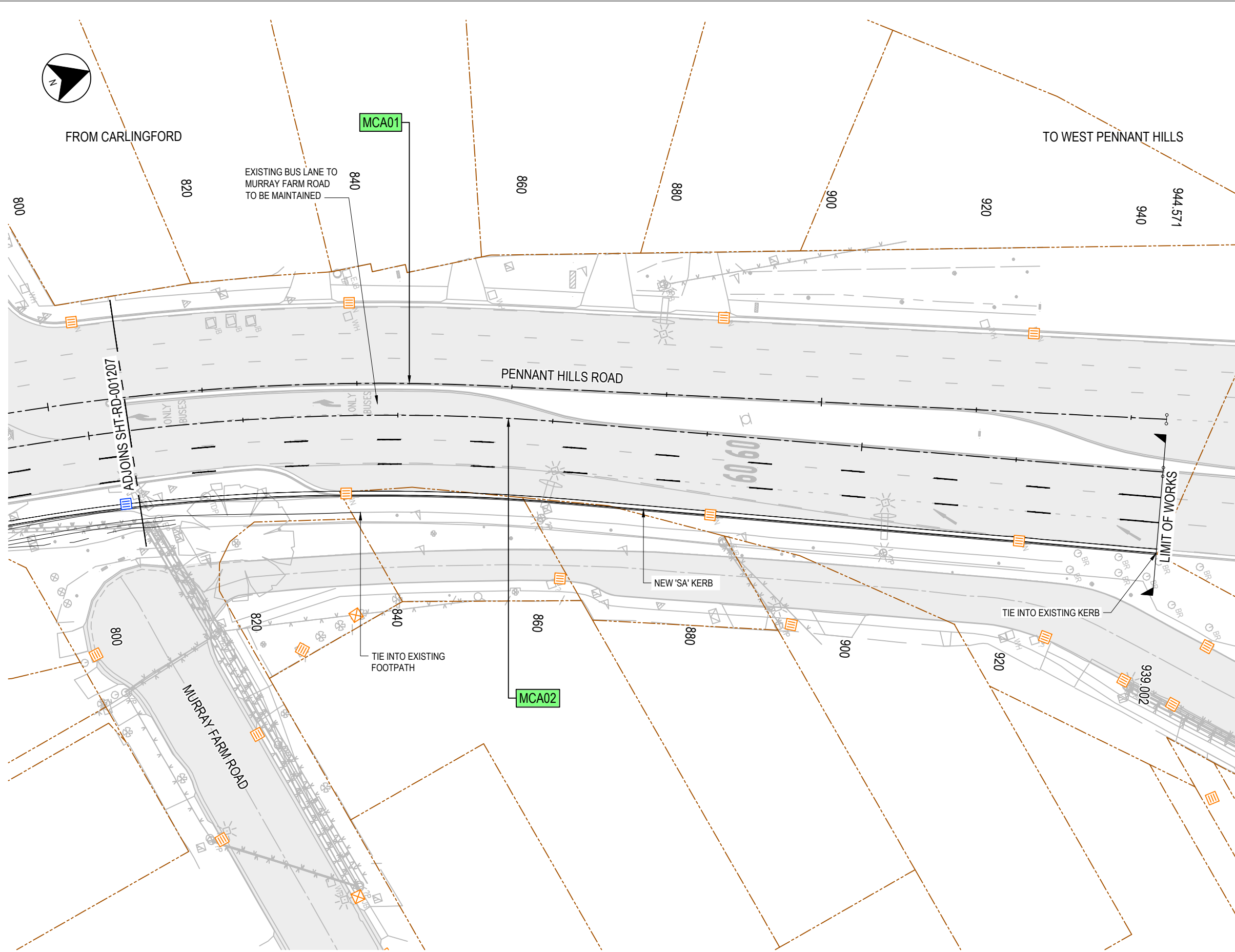


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DRAWING FILE LOCATION / NAME PW:/P0043166-SHT-RD-001207.DWG		DESIGN LOT CODE	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 30-Nov-20 / 1:59:04 PM	PLOT BY NESTOR. ESTRADA	CLIENT	PARRAMATTA COUNCIL HW13 PENNANT HILLS ROAD PENNANT HILLS ROAD UPGRADE AT INTERSECTION WITH NORTH ROCKS ROAD, CARLINGFORD GENERAL ARRANGEMENT PLAN	A3															
EXTERNAL REFERENCE FILES	REV 0 1	DATE 21.04.2020 dd.mm.yy	AMENDMENT / REVISION DESCRIPTION DRAFT REVIEW FOR ENGINEERING SERVICES COMMENT DRAFT ISSUE (DETAILED)	WVR No.	APPROVAL A. BEBONIS A. BEBONIS	SCALES ON A3 SIZE DRAWING 1:500 FULL SIZE A3	DRAWINGS / DESIGN PREPARED BY	PREPARED FOR GREATER SYDNEY DIVISION EASING SYDNEY'S CONGESTION PINCH POINTS NORTH WEST	TNSW REGISTRATION No. DS2020/000214															
CO-ORDINATE SYSTEM MGA ZONE 56			HEIGHT DATUM AHD		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2">CHECK PRINT</th> </tr> <tr> <td>DISCIPLINE</td> <td>N. ESTRADA</td> </tr> <tr> <td>DISCIPLINE</td> <td>P. MASURKAR</td> </tr> <tr> <td>DISCIPLINE</td> <td>S. WAN</td> </tr> <tr> <td>DISCIPLINE</td> <td>J. McDERMOTT</td> </tr> <tr> <td>DISCIPLINE</td> <td>C. VAVOULAS</td> </tr> <tr> <td>BACKDRAFTED/CORRECTED BY</td> <td>A. BEBONIS</td> </tr> <tr> <td>CONFIRMED</td> <td>A. BEBONIS</td> </tr> </table>		CHECK PRINT		DISCIPLINE	N. ESTRADA	DISCIPLINE	P. MASURKAR	DISCIPLINE	S. WAN	DISCIPLINE	J. McDERMOTT	DISCIPLINE	C. VAVOULAS	BACKDRAFTED/CORRECTED BY	A. BEBONIS	CONFIRMED	A. BEBONIS		SHEET 7 OF 10 PART 1 ISSUE 1 SHEET No. SHT-RD-001207 © Transport for NSW
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DISCIPLINE	N. ESTRADA																							
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DISCIPLINE	C. VAVOULAS																							
BACKDRAFTED/CORRECTED BY	A. BEBONIS																							
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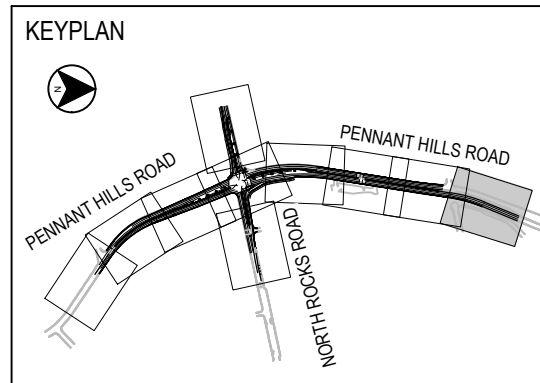
REVISION IN PROGRESS



LEGEND

- ROAD CONTROL LINE
- BOUNDARY / LOT PROPERTY
- EXISTING SURVEY
- ROAD CONTROL LINE LABEL
- NEW PROPERTY BOUNDARY / FENCE
- NEW PEDESTRIAN FENCE
- NEW RETAINING WALL
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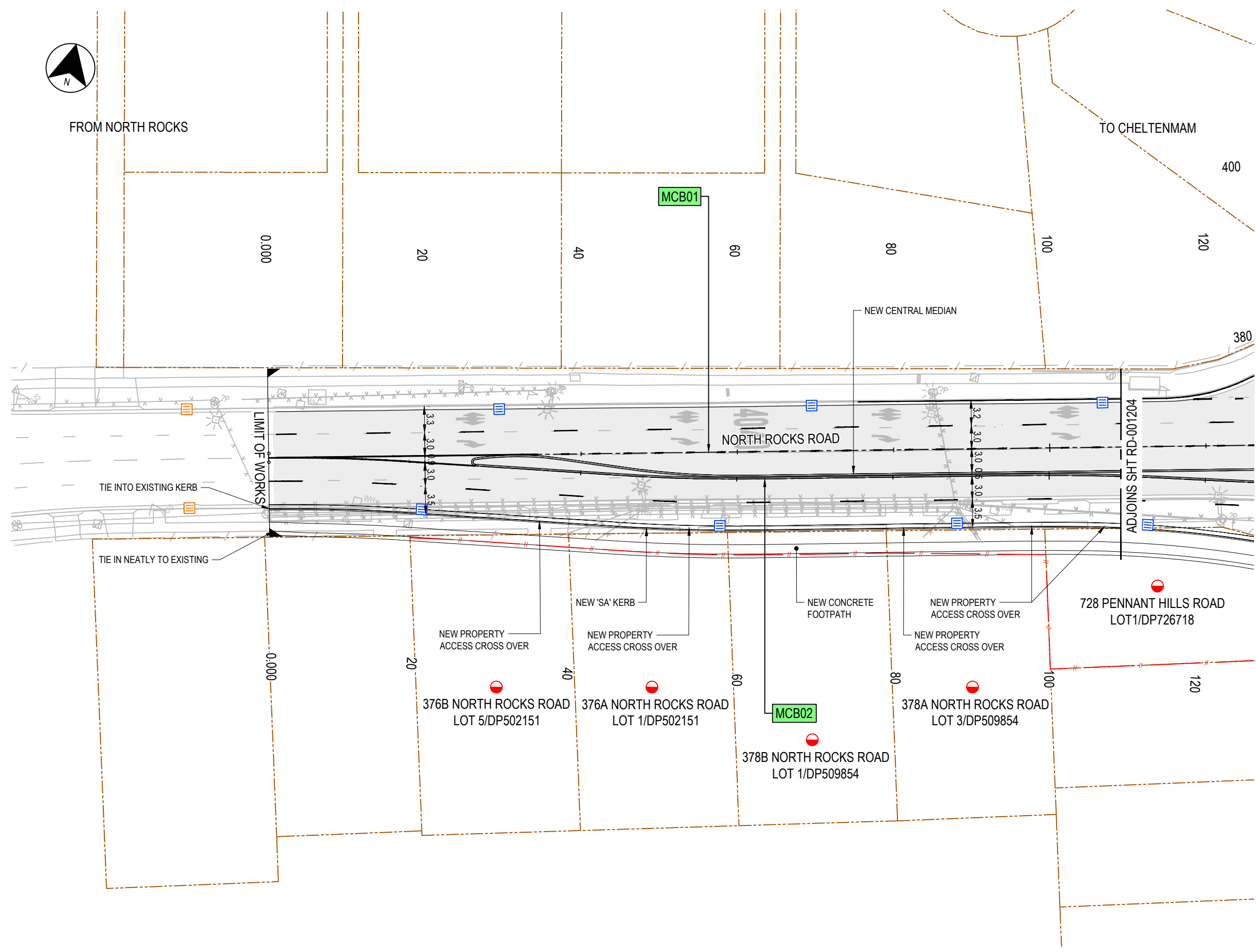
- ### NOTES
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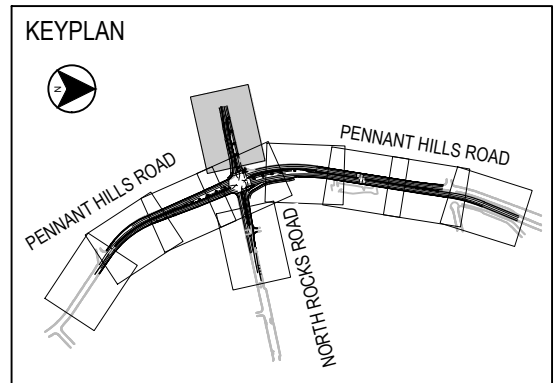
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DRAWING FILE LOCATION / NAME PW:/P0043166-SHT-RD-001208.DWG		DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 30-Nov-20 / 1:50:04 PM		PLOT BY NESTOR. ESTRADA		CLIENT		PARRAMATTA COUNCIL HW13 PENNANT HILLS ROAD PENNANT HILLS ROAD UPGRADE AT INTERSECTION WITH NORTH ROCKS ROAD, CARLINGFORD GENERAL ARRANGEMENT PLAN		A3																																	
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		0		21.04.2020		<div style="font-size: 24px; opacity: 0.5; transform: rotate(-45deg); display: inline-block;">REVISION IN PROGRESS</div>		A. BEBONIS		A. BEBONIS				<div style="border: 2px solid red; padding: 2px; display: inline-block;">CHECK PRINT</div> <table border="1" style="font-size: 8px; border-collapse: collapse;"> <tr> <td>DISCIPLINE</td> <td>N. ESTRADA</td> <td>PRELIM</td> <td>FINAL</td> </tr> <tr> <td></td> <td></td> <td>INITIAL</td> <td>DATE</td> </tr> <tr> <td>DISCIPLINE</td> <td>P. MASURKAR</td> <td></td> <td>dd.mm.yy</td> </tr> <tr> <td>DISCIPLINE</td> <td>S. WAN</td> <td></td> <td>dd.mm.yy</td> </tr> <tr> <td>DISCIPLINE</td> <td>J. McDERMOTT</td> <td></td> <td>dd.mm.yy</td> </tr> <tr> <td>DISCIPLINE</td> <td>C. VAVOULAS</td> <td></td> <td>dd.mm.yy</td> </tr> <tr> <td>BACKDRAFTED/CORRECTED BY</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CONFIRMED</td> <td>A. BEBONIS</td> <td></td> <td>dd.mm.yy</td> </tr> </table>		DISCIPLINE	N. ESTRADA	PRELIM	FINAL			INITIAL	DATE	DISCIPLINE	P. MASURKAR		dd.mm.yy	DISCIPLINE	S. WAN		dd.mm.yy	DISCIPLINE	J. McDERMOTT		dd.mm.yy	DISCIPLINE	C. VAVOULAS		dd.mm.yy	BACKDRAFTED/CORRECTED BY				CONFIRMED	A. BEBONIS		dd.mm.yy
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												ISSUE STATUS DETAILED DESIGN		EDMS No. -																																	
												SHEET No. SHT-RD-001208		ISSUE 1																																	
														© Transport for NSW																																	



- ### LEGEND
- ROAD CONTROL LINE
 - BOUNDARY / LOT PROPERTY
 - EXISTING SURVEY
 - ROAD CONTROL LINE LABEL
 - NEW PROPERTY BOUNDARY / FENCE
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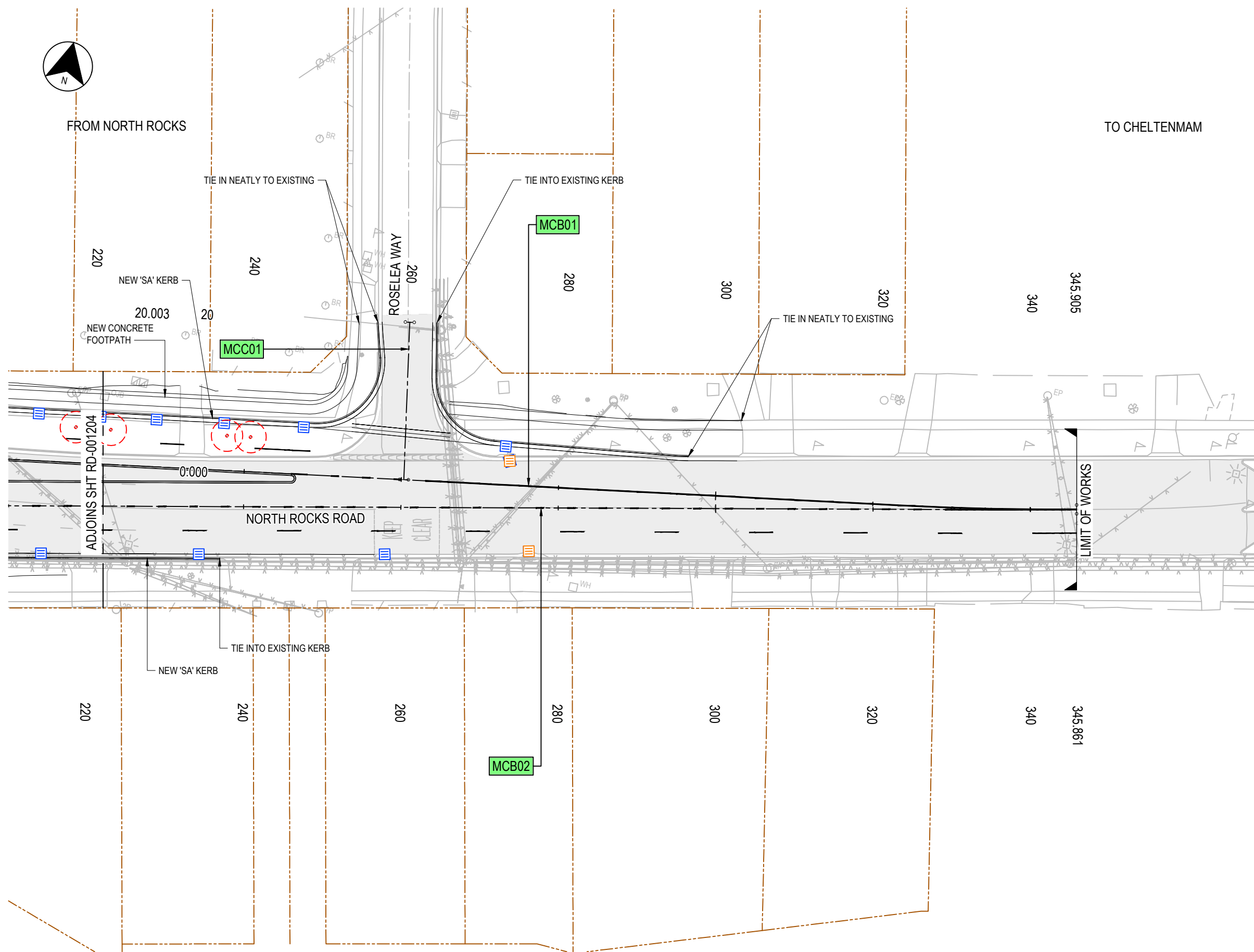
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DRAWING FILE LOCATION / NAME PW:/P0043166-SHT-RD-001209.DWG			DESIGN LOT CODE		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 30-Nov-20 / 2:22:18 PM		PLOT BY NESTOR. ESTRADA		CLIENT		PARRAMATTA COUNCIL HW13 PENNANT HILLS ROAD PENNANT HILLS ROAD UPGRADE AT INTERSECTION WITH NORTH ROCKS ROAD, CARLINGFORD GENERAL ARRANGEMENT PLAN		A3																	
EXTERNAL REFERENCE FILES			REV		DATE		AMENDMENT / REVISION DESCRIPTION		WVR No.		APPROVAL		SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY																	
			0		dd.mm.yy		DRAFT ISSUE (DETAILED)				A. BEBONIS		 FULL SIZE A3																			
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									CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD																					
									CHECK PRINT																							
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															© Transport for NSW																	



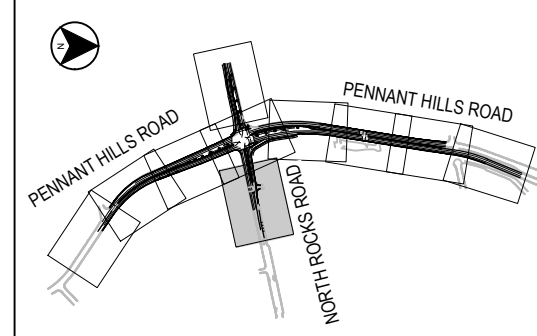
LEGEND

- 0:000 ROAD CONTROL LINE
- BOUNDARY / LOT PROPERTY
- EXISTING SURVEY
- ROAD CONTROL LINE LABEL
- NEW PROPERTY BOUNDARY / FENCE
- NEW PEDESTRIAN FENCE
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KEYPLAN



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DRAWING FILE LOCATION / NAME PW:/P0043166-SHT-RD-001210.DWG		DESIGN LOT CODE -	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING -		PLOT DATE / TIME 30-Nov-20 / 1:48:43 PM	PLOT BY NESTOR. ESTRADA	CLIENT PARRAMATTA COUNCIL HW13 PENNANT HILLS ROAD PENNANT HILLS ROAD UPGRADE AT INTERSECTION WITH NORTH ROCKS ROAD, CARLINGFORD GENERAL ARRANGEMENT PLAN	A3
EXTERNAL REFERENCE FILES	REV 0	DATE dd.mm.yy	AMENDMENT / REVISION DESCRIPTION DRAFT ISSUE (DETAILED)	WVR No.	APPROVAL A. BEBONIS	SCALES ON A3 SIZE DRAWING 1:500 FULL SIZE A3	DRAWINGS / DESIGN PREPARED BY N. ESTRADA P. MASURKAR S. WAN J. McDERMOTT C. VAVOULAS A. BEBONIS	PREPARED FOR GREATER SYDNEY DIVISION EASING SYDNEY'S CONGESTION PINCH POINTS NORTH WEST
<div style="border: 1px solid grey; padding: 5px; display: inline-block; transform: rotate(-15deg); opacity: 0.5;"> REVISION IN PROGRESS </div>							TINSW REGISTRATION No. DS2020/000214	SHEET No. 1 ISSUE 0
			CO-ORDINATE SYSTEM MGA ZONE 56	HEIGHT DATUM AHD	NSW GOVERNMENT Transport for NSW		EDMS No. - SHEET No. SHT-RD-001210	© Transport for NSW