

**Report to General Manager**

Attachments:

1. B-Line - Letter from TfNSW
2. B Line Road design drawings

SUBJECT: B-Line Update – Proposal to Convert T3 Lanes to Bus Lanes**AUTHOR:** Nigel Turner, Strategic Transport Planner**ENDORSED BY:** Joseph Hill, Director City Strategy**EXECUTIVE SUMMARY:**

On 21 November 2017, Council received a letter and drawings from Transport for NSW (TfNSW) detailing proposed changes to Military Road T3 Lanes that are proposed to facilitate the B-Line bus program. These changes relate to the “*conversion of the existing AM T3 Lane to an AM Bus Lane*” on Military Road (letter and drawings at Attachments 1 and 2).

Although the letter notes that conversion of the T3 lanes is expected to “*improve bus reliability*” and “*reduce bus travel times*” of the B-Line service, whether and to what extent these outcomes will be achieved and how this will affect mode shift, traffic reduction and the value for money objectives of the project, has not been quantified and is therefore difficult to assess.

The Transport for NSW letter does not quantify the benefits of the proposal but instead notes that:

RMS is in the process of finalising a detailed traffic impact assessment that will assess:

- *travel times for all modes of transport during the AM peak as a result of the T3 Lane conversion;*
- *assess the impact of the conversion on delays at existing signalised intersections along the routes.*

While this traffic impact assessment should be completed before incorporating changes into the B-Line project, consideration must also be given to the social, health and economic impact of proposed changes on Military Road communities.

The B-Line letter also notes that, “*...conversion of the T3 Lane to a Bus Lane will likely result in delays to road users wishing to enter the main road network...from local roads*” and “*It is possible that road users may seek alternative routes... potentially leading to increased usage of the local road network.*” While neither increased delays for residents joining Military Road or increased rat-running is desirable, it is suggested that a more holistic assessment of the impact of improved bus passenger travel times on mode shift and through-traffic demand could show that road space and phase time re-allocation to other mode groups can be achieved without negatively impacting bus passenger travel times.

There also appears to be some confusion within the letter/drawings regarding whether T3 Lanes will be converted to “Bus Lanes” or to “Bus Only Lanes”. While the letter and sign drawings

are for “Bus Lanes”, drawing notations (key and road markings) indicate the introduction of “Bus Only Lanes”. Introduction of “Bus Only Lanes” would have significant negative impacts on Military Road including: an effective ban of cycling on Military Road, a ban on taxi/hire vehicle pick-up/drop-offs and increased confusion between buses and drivers turning directly from general traffic lanes across bus only lanes.

FINANCIAL IMPLICATIONS:

Nil

RECOMMENDATION:

1.THAT Council endorse a submission to TfNSW’s B-Line Team regarding the conversion of the existing AM T3 Lanes to an AM Bus Lane along the lines of commentary provided in this report.

LINK TO DELIVERY PROGRAM

The relationship with the Delivery Program is as follows:

- Direction: 1. Our Living Environment
- Outcome: 1.4 Improved environmental footprint and responsible use of natural resources
- Direction: 2. Our Built Environment
- Outcome: 2.1 Infrastructure, assets and facilities that meet community needs
2.3 Vibrant, connected and well maintained streetscapes and villages that build a sense of community
2.5 Sustainable transport is encouraged
2.6 Improved traffic management
- Direction: 3. Our Economic Vitality
- Outcome: 3.1 Diverse, strong, sustainable and vibrant local economy
- Direction: 4. Our Social Vitality
- Outcome: 4.1 Community is connected
4.7 Community is active and healthy
4.9 Enhanced community safety and accessibility
- Direction: 5. Our Civic Leadership
- Outcome: 5.1 Council leads the strategic direction of North Sydney

BACKGROUND

The Northern Beaches B-line project was announced on the 9 November, 2015. Council has previously raised concerns regarding the project's capacity to address reliability and travel time issues for Northern Beaches bus services. The following concerns have also been raised during the development of the B-Line project:

1. Neither the strategic nor final business cases for the B-line project have ever been publicly released. As such, there is limited evidence that the project will result in: comparative bus passenger travel time benefits, motorist to public transport mode shift, a reduction in Military Road traffic or that the project represents a positive value proposition for the district.
 2. Removal or partial removal of 37 Military Road parking spaces identified as part of the B-Line scope could be the first step in wider parking removal as part of the RMS's introduction of Clearways for Military Road. Little analysis is provided regarding how this will affect Cremorne and Neutral Bay pedestrian/retail amenity in terms of: removal of the parking/buffer zone between the carriageway/traffic environment and the footway/retail environment; improved public transport access to shopping precincts and
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- resultant mode shift; convenience of Military Road parking options, particularly for shoppers with particular mobility needs.
3. The inclusion of a Northern Beaches B-line stop for North Sydney has not been addressed as part of the further development of the project.
 4. The B-line does not demonstrate characteristics typical of a Bus Rapid Transit (BRT) project. As such, it has been questioned whether the B-line project will deliver the benefits identified in 1 above.

CONSULTATION REQUIREMENTS

Community engagement is not required.

SUSTAINABILITY STATEMENT

The following table provides a summary of the key sustainability implications:

QBL Pillar	Implications
Environment	A better understanding of bus passenger travel time benefits, potential mode shift and resulting traffic demand is required before detailed commentary can be provided regarding the environmental benefits of the revised B-Line project.
Social	A better understanding of bus passenger travel time benefits, potential mode shift and resulting traffic demand is required before detailed commentary can be provided regarding the social benefits of the revised B-Line project.
Economic	A better understanding of bus passenger travel time benefits, potential mode shift and resulting traffic demand is required before detailed commentary can be provided regarding the economic benefits of the revised B-Line project.
Governance	Encouraging walking, cycling, public transport, car sharing, and reduced car dependence is consistent with the directions, outcomes, strategies and indicators defined in North Sydney’s Community Strategic Plan. A better understanding of bus passenger travel time benefits, potential mode shift and resulting traffic demand is required before detailed commentary can be provided regarding the impact of proposed changes on walking, cycling, public transport, car sharing and reduced car dependence.

DETAIL

1. Achieving B-Line Strategic Objectives: T3 vs Bus Lanes

TfNSW’s “Movement and Place” framework identifies roads with “*high demand for (social and economic) activity (place)*” and “*high demand for movement (movement)*” as “*Vibrant Streets*”. The framework notes that a balanced approach to transport planning and management is required in these streets to achieve optimal social, health and economic outcomes as well as the efficient movement of people and goods. Further modelling should consider the impact of B-Line changes on local communities, particularly in Military Road commercial centres (place), as well as through traffic functions (movement).

2. Reliability and Travel Time Benefits: T3 vs Bus Lanes

Roads and Maritime Services is in the process of finalising a detailed traffic impact assessment that will assess:

- Travel times for all modes of transport during the AM peak as a result of the T3 Lane conversion
- Assess the impact of the conversion on delays at existing signalised intersections along the routes.

Modelling for “Bus Lanes” should demonstrate that assumed *reliability* and *travel time* benefits for bus passengers, resulting from reduced interaction with T3 ride-share vehicles, will be greater than assumed *reliability* and *travel time* dis-benefits for T3 ride-sharers forced back in to general traffic lanes. Dependent on the level of mode shift resulting from improved B-Line travel times, displacement of T3 ride-share traffic into general traffic lanes may be outweighed by increased bus passenger mode share. Without this travel time and resultant mode shift modelling, the following TfNSW statement is not supported:

This delay is in response to anticipated increased traffic numbers along Military Road and Burnt Bridge Creek Deviation as a result of displacement of existing T3 lane users to the general traffic lanes.

A better understanding of bus passenger travel time benefits, potential mode shift and resulting traffic demand would also allow a more targeted approach to signal phasing allocation to be taken that maintains priority for local walking and cycling trips, further improves public transport priority and provides a more equitable balance between through-traffic and local traffic movements.

3. Local Traffic Delays

The TfNSW letter states that:

Preliminary traffic modelling has highlighted that the conversion of the T3 lane to a Bus Lane will likely result in delays to road users wishing to enter the main road network of Burnt Bridge Creek Deviation, Spit Road and Military Road from local roads.

Increased delays for residents joining Military Road is not desirable. However, it is suggested that a more holistic assessment of the impact of improved bus passenger travel times on traffic demand may allow for the more targeted application of signal phasing changes that maintains current levels of priority for traffic turning onto Military Road from local North Sydney streets.

4. Rat Running

The TfNSW letter indicates that:

It is possible that road users may seek alternative routes or travel arrangements potentially leading to increased usage of the local road network.

Increased rat-running is not desirable. However, it is suggested that a more holistic assessment of the impact of improved bus passenger travel times on traffic demand may allow for the more targeted application of signal phasing changes that maintains current levels of priority for general through traffic on Military Road. Maintaining current levels of priority for through traffic would mean that there is unlikely to be significant increases in rat running as a result of the conversion of T3 lanes to Bus Lanes.

5. “Bus Lanes” vs “Bus Only Lanes”

There appears to be some confusion regarding whether T3 Lanes will be converted to “Bus Lanes” or to “Bus Only Lanes”. While the letter and drawings included at Attachment 1 are for “Bus Lanes”, drawing notations (key and road markings) suggest the introduction of “Bus Only Lanes”.



These lanes are for buses, but also can be used by:

- Taxis.
- Hire cars.
- Vehicles operated by or under direction of RMS.
- Bicycles and motorcycles.

Other vehicles may only drive in bus lanes for a maximum of 100 metres to enter or leave the road at a driveway or intersection.

The only vehicles allowed to stop in a bus lane are buses at a bus stop or taxis and hire cars when picking up or setting down passengers.

When the words BUSES ONLY appear on the BUS LANE sign, or lane markings indicate a Bus Only Lane, only buses are allowed to drive in these lanes.

What to do when turning left:

- Vehicles turning left must turn from the traffic lane next to the bus-only lane.
- Vehicle left turn movements are NOT permitted from bus only lanes.

Modelling of “Bus Only Lanes” may have been undertaken to address Council’s concerns regarding the interaction of buses with left turning vehicles. However, this type of treatment would have significant negative knock-on impacts on Military Road as follows.

- Effective ban of cycling on Military Road

Cyclists are not permitted to use “bus only lanes” and would be forced out of the kerb side lane in to the first general traffic lane in the middle of Military Road. Buses and large vehicles passing in both inside and outside lanes would be an almost prohibitive deterrent, even for experienced cyclists.

- A ban on taxi/hire vehicle pick-up/drop-offs

Taxis and hire-vehicles are not permitted to pick-up/drop-off in “bus only lanes”.

- Increased confusion between buses and drivers turning left across bus only lanes from general traffic lanes.

Drivers are not permitted to enter “bus only lanes” 100m in advance of left turns as they are in “bus lanes”. While this might be assumed to “reduce delays to buses caused by left-turning vehicles”, high levels of conflict between through buses and turning traffic would significantly increase the risk of left turn across type crashes and associated delays at Military Road/local road junctions.

6. B-Line Design Development Opportunities

Although not the specific subject of the B-Line letter, the following opportunities for design development that improves local amenity and B-Line passenger outcomes are noted:

- There may be opportunity to reduce the proposed number of “Bus Lane” signs on Military Road while maintaining consistency with the relevant Australian Standard requirements.
- Opportunity for slip-lane removal and re-incorporation of left turn movements into the Spofforth Street traffic signals would reduce pedestrian crossing distances, reduce confusion and crash risk associated with pedestrian priority across the slip lane and control traffic entering Military Road bus lanes.
- There are further opportunities to introduce build-outs and threshold treatments to reduce crossing distances and ensure compliance with existing pedestrian priority at Spencer Road, Holt Avenue, Hampden Avenue (Redlands Overpass), and Rangers Road (replace splitter island with build-outs).
- Preliminary discussions and designs for a new plaza at Young Street have been jointly undertaken by B-Line and Council staff. Opportunities afforded by this new plaza could include planting, seating, outdoor dining, cycle parking as well as minimising the interaction of left turning vehicles with outbound B-Line bus services. Mirroring May Gibbs Plaza on the southern side of Military Road will provide a more pedestrian friendly heart for Neutral Bay. B-Line and Council staff are also working together to investigate the potential for relocating the pedestrian crossing signals to provide more direct access between May Gibbs Plaza and the potential Young Street Plaza.

7. Conclusion/Recommendations

Measures to improve bus reliability, bus travel times benefits and mode shift towards public transport are strongly supported. However, without understanding the relative impacts of proposed changes on the travel times of all transport modes which will be provided in the RMS Traffic Impact Assessment, it is very difficult to estimate the impact of proposed T3 to Bus Lane changes.



Ref: 5894698_1

21 November 2017

Mr Adrian Panuccio
A/General Manager
PO Box 12
North Sydney NSW 2059

Dear Mr Panuccio

Consultation regarding proposed T3 Conversion to Bus Lane

Roads and Maritime Services as part of the B-Line project is proposing to undertake works for the conversion of the existing AM T3 Lane to an AM Bus Lane along sections of Burnt Bridge Creek Deviation, The Spit Road and Military Road.

Under the State Environmental Planning Policy (Infrastructure) 2007, Roads and Maritime Services is required to consult with North Sydney Council under clause 13 part (1)(b) due to the potential impacts on Council owned and maintained road infrastructure.

To deliver a new B-Line service, a program of works is now underway along the corridor from Mona Vale to the CBD including creating new bus bays to help keep buses and traffic moving, tidal flow systems and extended turning lanes to maximise traffic flow in the peak direction. Work on these improvements is already underway and will continue into 2018.

In addition to the above scope the project will seek to improve bus reliability by converting existing T3 AM Transit Lanes to Am Bus Lanes from 6am-10am Monday to Friday. Traffic modelling has demonstrated that the adoption of this conversion will reduce bus travel times and create a more reliable travel time.

Roads and Maritime Services is in the process of finalising a detailed traffic impact assessment that will assess:

- Travel times for all modes of transport during the AM peak as a result of the T3 Lane conversion.
- Assess the impact of the conversion on delays at existing signalised intersections along the routes.

Preliminary traffic modelling has highlighted that the conversion of the T3 lane to a Bus Lane will likely result in delays to road users wishing to enter the main road network of Burnt Bridge Creek Deviation, Spit Road and Military Road from local roads.

This delay is in response to anticipated increased traffic numbers along Military Road and Burnt Bridge Creek Deviation as a result of displacement of existing T3 lane users to the general traffic lanes.

It is possible that road users may seek alternative routes or travel arrangements potentially leading to increased usage of the local road network.

Attached to this letter is a copy of the Concept design which identifies the extents of the lane usage changes and the associated road signage changes.

It would be appreciated if you could provide any comments about this proposal by 12th December 2017 by email to tim.snape@transport.nsw.gov.au.

Yours faithfully

A handwritten signature in black ink, appearing to read 'R Miesegaes', with a long horizontal stroke extending to the right.

Robert Miesegaes
Project Director, B-Line



NORTHERN BEACHES COUNCIL, MOSMAN
MR 164 MILITARY ROAD TO CONDAMINE STREET
T3 LANE CONVERSION TO AM PEAK BUS LANE
 CONVERSION OF EXISTING AM PEAK T3 LANES TO AM PEAK BUS LANES FROM
 BURNT BRIDGE CREEK DEVIATION TO NEUTRAL BAY - STAGE 1 WORKS

ROAD DESIGN
 50% DETAILED DESIGN



LOCALITY PLAN
 N.T.S.

CODE INDEX

CODE	NAME
GE	GENERAL
RF	ROADSIDE FURNITURE, SIGNPOSTING AND PAVEMENT MARKING

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DRAWING FILE LOCATION / NAME S:\03 PROJECTS\PROJECTS\P00105 - T3 lane conversion to bus lane\H-Cad\Drawings\P00105-GE-0001.dwg		LINEAR REFERENCING START: FINISH:	PLOT DATE / TIME 10 Nov 2017 - 02:20PM	PLOT BY dnishand	DRAWING No. P00105-GE-0001	NORTHERN BEACHES COUNCIL, MOSMAN MR 164 MILITARY ROAD TO CONDAMINE STREET T3 LANE CONVERSION TO AM PEAK BUS LANE DETAILED DESIGN	A3		
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						RMS REGISTRATION No. DS2017/000000	PART -		
						ISSUE STATUS 50% DETAILED DESIGN	EDMS No.	SHEET No. GE-0001	ISSUE 2

DRAWING SHEET INDEX

SHEET No.	SHEET DESCRIPTION
GE-0001	COVER SHEET
GE-0002	DRAWING INDEX
GE-0011	GENERAL NOTES
GE-0101	KEY PLAN
RF-0301	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 1
RF-0302	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 2
RF-0303	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 3
RF-0304	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 4
RF-0305	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 5
RF-0306	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 6
RF-0307	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 7
RF-0308	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 8
RF-0309	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 9
RF-0310	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 10
RF-0311	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 11
RF-0312	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 12
RF-0313	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 13
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RF-0322	DRAWING DELETED
RF-0323	DRAWING DELETED
RF-0324	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 24
RF-0325	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 25
RF-0326	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 26
RF-0327	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 27
RF-0328	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 28
RF-0329	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 29
RF-0330	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 30
RF-0331	SIGNPOSTING, DELINEATION AND KERB PLAN - SHEET 31
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								DESIGN CHECK	M.CORRIGAN	10/11/2017				
								DESIGN MNGR	S.BERRY	10/11/2017				
								PROJECT MNGR	S.BERRY	10/11/2017				

GENERAL NOTES

- G1. ALL DIMENSIONS ARE SHOWN IN METRES UNLESS SPECIFIED OTHERWISE.
- G2. LEVELS ARE IN METRES REFERENCED TO AUSTRALIAN HEIGHT DATUM (A.H.D.).
- G3. CO-ORDINATES ARE TO MAP GRID OF AUSTRALIA (M.G.A.).
- G4. THE DESIGN IN THESE DRAWINGS ARE BASED ON AERIAL AND GROUND TOPOGRAPHICAL SURVEY AND CADASTRAL INFORMATION RECEIVED BY OTHERS AND SHOULD BE CONSIDERED LIMITED IN COMPLETENESS, IT SHOULD BE TREATED AS INDICATIVE ONLY. ALL SURVEY AND CADASTRAL INFORMATION REQUIRES VERIFICATION BY THE CONTRACTOR PRIOR TO COMMENCING ANY WORK.
- G5. NO SURVEY, CADASTRAL OR BOUNDARY LIMITS SHOULD BE SCALED FROM THESE DRAWINGS.
- G6. DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED BY THE PRINCIPAL DURING THE COURSE OF CONSTRUCTION. WHERE THERE IS A DISCREPANCY, THIS SHALL BE RESOLVED BY THE PRINCIPAL. NOTES ON SPECIFIC DOCUMENTS SHALL TAKE PRECEDENCE OVER THE GENERAL NOTES.
- G7. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING DRAWINGS.
- G8. ALL CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE SPECIFICATION FOR THE WORKS TOGETHER WITH THE REQUIREMENTS OF ALL RELEVANT CODES OF PRACTICE REFERRED TO THEREIN AND THE REQUIREMENTS OF ALL STATUTORY AUTHORITIES WHERE APPLICABLE.
- G9. ACCESS TO PROPERTIES TO BE MADE AVAILABLE BY THE CONTRACTOR AT ALL TIMES DURING CONSTRUCTION.
- G10. WHERE REFERENCE IS MADE TO PROPRIETARY COMPONENT NAMES ON THE DRAWINGS THE CONTRACTOR MAY PROPOSE AN ALTERNATIVE PRODUCT PROVIDED THE ALTERNATIVE IS EQUIVALENT AND SATISFIES THE REQUIREMENTS OF THE SPECIFICATION AND IS APPROVED BY THE PRINCIPAL.

PAVEMENT MARKINGS AND SIGNPOSTING

- PS1. LINE MARKING AND SIGNPOSTING SHALL BE IN ACCORDANCE WITH THE DESIGN DRAWINGS, THE RELEVANT RMS GUIDES AND STANDARDS.
- PS2. LINE MARKINGS SHALL BE APPLIED IN ACCORDANCE WITH RMS SPECIFICATION R141, USING THERMOPLASTIC LINE MARKING ON ALL SURFACES.
- PS3. RETROFLECTIVE RAISED PAVEMENT MARKERS (RRPMs) SHALL BE INSTALLED IN ACCORDANCE WITH RMS SPECIFICATION R142 AND SPACED IN ACCORDANCE WITH RMS SPECIFICATION R141 FOR EACH LINE TYPE.
- PS4. SIGNS SHALL BE TURNED 5° FROM PERPENDICULAR TO THE ROAD IN ACCORDANCE WITH AS 1742.2 SECTION D3.
- PS5. SIGNS SHOWN TO BE REMOVED INCLUDE REMOVAL OF SIGN STRUCTURE, UNLESS SPECIFIED OTHERWISE. ALL REMOVED SIGNS, STRUCTURES AND FOUNDATIONS ARE TO BE DISPOSED OF BY THE CONTRACTOR.
- PS6. ALL SIGNS SHALL BE CLEAR OF VEGETATION AND OBSTRUCTIONS.
- PS7. SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH AS 1742 PART 1 TO 15 AND RMS INSTALLATION AND MAINTENANCE OF SIGNS VERSION 1.3.
- PS8. CONDITION ASSESSMENT TO BE UNDERTAKEN ON ALL EXISTING SIGNS TO BE RELOCATED / RETAIN PRIOR TO BEING REUSED. REFER TO RMS INSTALLATION AND MAINTENANCE OF SIGNS FOR GUIDANCE ON CONDITION ASSESSMENT.
- PS9. EXISTING PAVEMENT MARKS CONFLICTING WITH PROPOSED LINE MARKING ARE TO BE REMOVED .
- PS10. ALL EXISTING LINEMARKING (RRPMs) AFFECTED BY THE NEW WORKS AND NOT OTHERWISE CONFLICTING WITH THE PROPOSED LINE MARKING ARE TO BE REINSTATED.
- PS11. DELINEATION PAVEMENT MARKINGS SHALL BE PROVIDED IN ACCORDANCE WITH RMS DELINEATION GUIDELINES VERSION 1.0 (AMENDED MARCH 2012) THE RELEVANT ROADS AND MARITIME TECHNICAL DIRECTIONS, COMPLIMENTARY GUIDELINES, ROADS AND MARITIME AUSTRROADS AND AUSTRALIAN STANDARDS SUPPLEMENTS, AUSTRALIAN STANDARDS AS 1742 - "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES PART 1 - 15" AND ROADS AND MARITIME SPECIFICATIONS.
- PS12. PAVEMENT TEXT IN ACCORDANCE TO RMS DELINEATION GUIDELINES SECTION 9.
- PS13. RED COLOURED PAVEMENT OVERLAY OR RED BITUMEN FOR BUS LANES MUST BE INSTALLED IN ACCORDANCE WITH RMS DELINEATION GUIDELINES SECTION 3.4.
- PS14. L6 LINEMARKING (35m MARK AND 1m GAP SPACING) TO BE INSTALLED IN ACCORDANCE TO RMS DELINEATION GUIDELINES SECTION 9.

ABBREVIATIONS

RMS ROADS AND MARITIME SERVICES
UNO UNLESS NOTED OTHERWISE

AUSTRALIAN STANDARDS

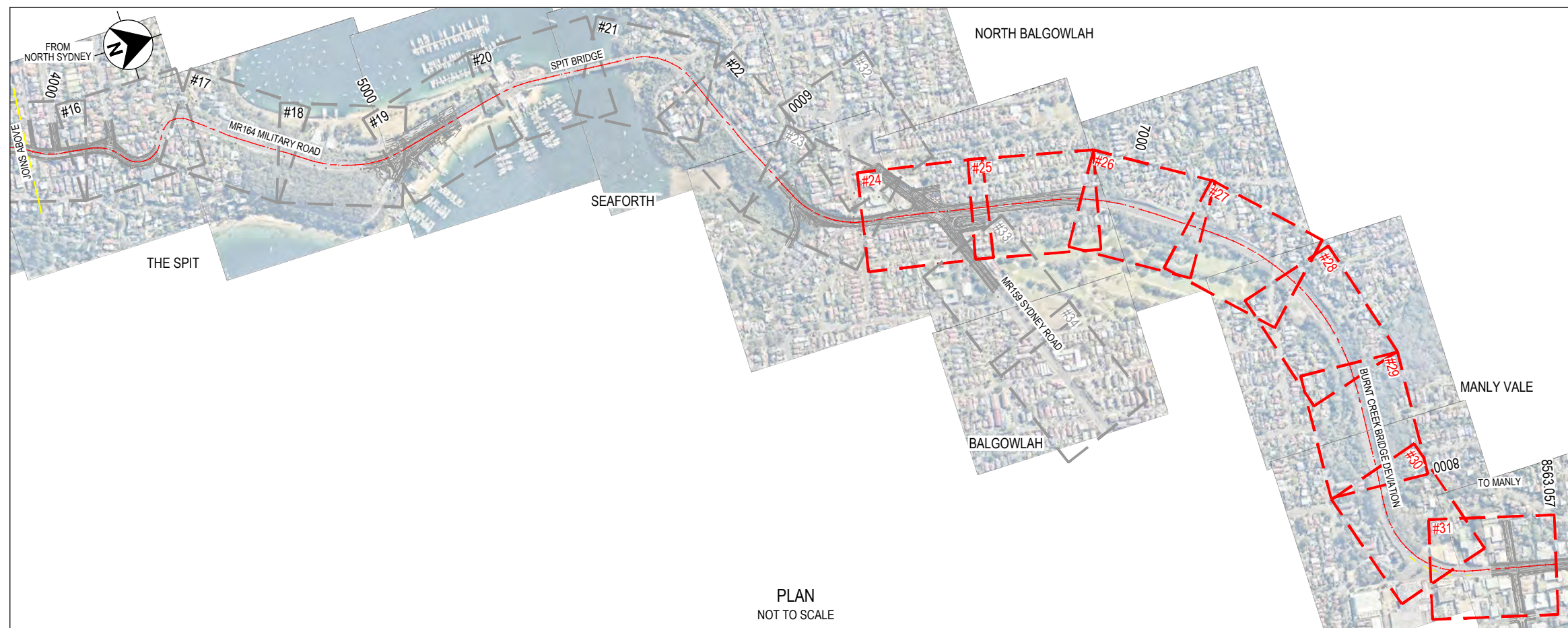
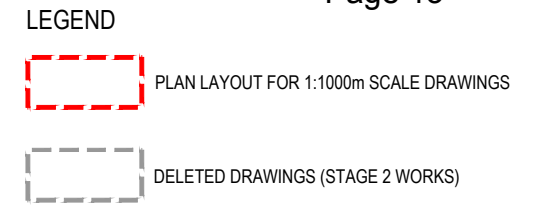
AS 1742	MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
AS 1743	ROAD SIGNS SPECIFICATIONS

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NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.

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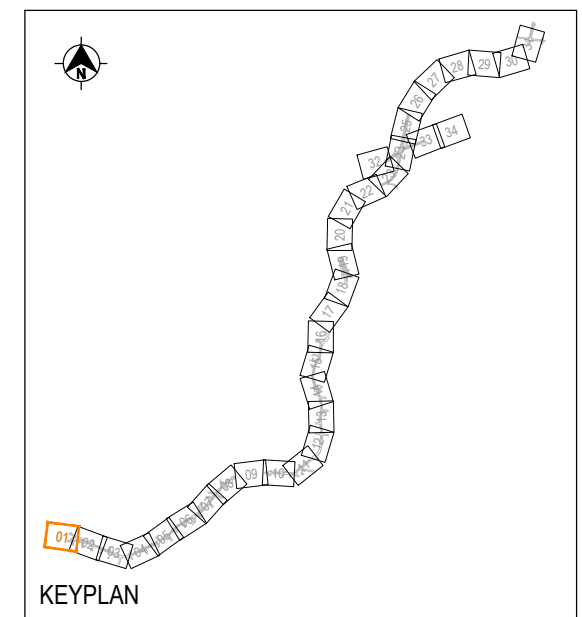
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				2	10/11/2017	RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	MC	SB				DESIGN	A.ARROLLAVE	10/11/2017			DESIGN CHECK	M.CORRIGAN	10/11/2017
								CO-ORDINATE SYSTEM MGA ZONE 56	HEIGHT DATUM AHD			DESIGN MNGR	S.BERRY	10/11/2017	PREPARED FOR	ISSUE STATUS 50% DETAILED DESIGN	EDMS No.	SHEET No. GE-0101	ISSUE 2
												PROJECT MNGR	S.BERRY	10/11/2017					© Roads and Maritime Services



- LEGEND**
- DC CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - - - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE
R2-6(R)
 - EXISTING SIGNAGE (RETAINED)
R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED)
R2-6(R)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

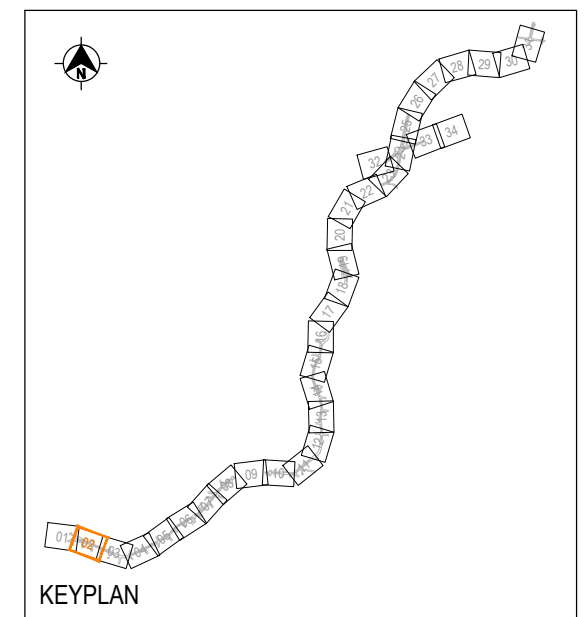
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EXTERNAL REFERENCE FILES X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CTRL XD_DES_WPE XD_FRAM_1000 XD_NOTE_RF XD_SIGN XD_SURV XD_LEG_RF XD_PAVX XD_LMK XD_KEY_GN_1000		REV 1 2	DATE 26/09/2017 10/11/2017	AMENDMENT / REVISION DESCRIPTION ISSUED FOR 50% DETAILED DESIGN - WVR 001 RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	REVIEWED AA MC	APPROVAL SB SB	SCALES ON A3 SIZE DRAWING 0 10 20 30 40 SCALE 1:1000m	DRAWINGS / DESIGN PREPARED BY 	
TITLE MR 164 MILITARY ROAD TO CONDAMINE STREET T3 LANE CONVERSION TO AM PEAK BUS LANE DETAILED DESIGN SIGNPOSTING, DELINEATION & KERB PLAN SHEET 1		CLIENT 		DESIGNER A.ARROLLAVE		DESIGN CHECK M.CORRIGAN		PREPARED FOR 	
RMS REGISTRATION No. DS2017/000000		ISSUE STATUS 50% DETAILED DESIGN		EDMS No.		SHEET No. RF-0301		ISSUE 2	
© Roads and Maritime Services									



- LEGEND**
- DC CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - - - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - NO RIGHT TURN PROPOSED SIGNAGE R2-6(R)
 - NO RIGHT TURN EXISTING SIGNAGE (RETAINED) R2-6(R)
 - NO RIGHT TURN EXISTING SIGNAGE (TO BE REMOVED) R2-6(R)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

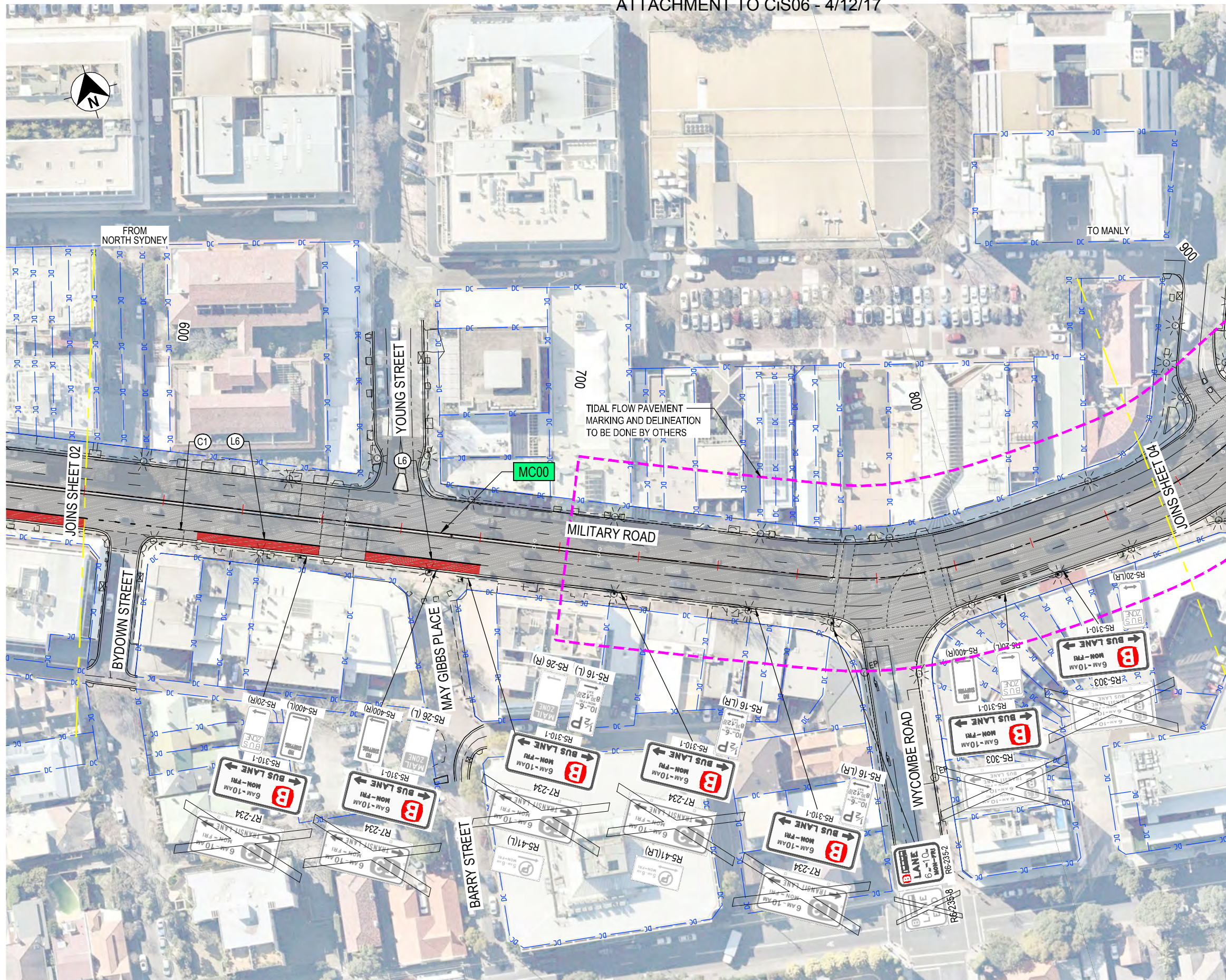
NOTE
 1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

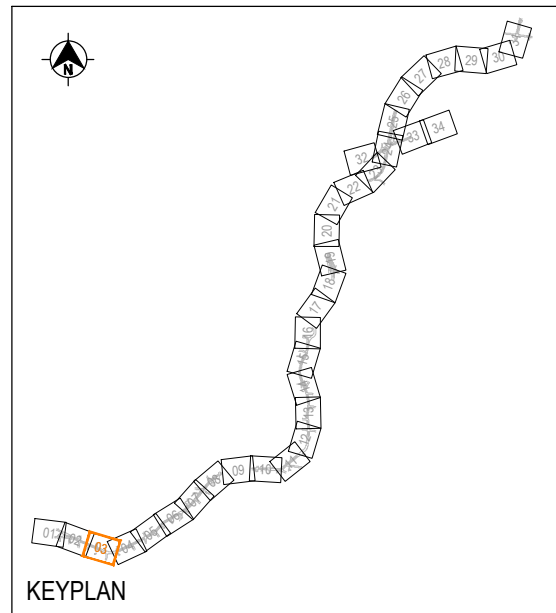
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EXTERNAL REFERENCE FILES X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CTRL XD_DES_WPE XD_FRAM_1000 XD_LMK XD_NOTE_RF XD_SIGN XD_SURV XD_LEG_RF XD_PAVX XD_KEY_GN_1000		REV 1 2	DATE 26/09/2017 10/11/2017	AMENDMENT / REVISION DESCRIPTION ISSUED FOR 50% DETAILED DESIGN - WVR 001 RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	REVIEWED AA MC	APPROVAL SB SB	SCALES ON A3 SIZE DRAWING 0 10 20 30 40 SCALE 1:1000m	DRAWINGS / DESIGN PREPARED BY 	
CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		TITLE DRAWN DRG CHECK DESIGN DESIGN CHECK DESIGN MNGR PROJECT MNGR		NAME D.NISHANDAR J.DAWSON A.ARROLLAVE M.CORRIGAN S.BERRY A.ARROLLAVE		DATE 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017	
PREPARED FOR 		RMS REGISTRATION No. DS2017/000000		EDMS No.		SHEET No. RF-0302		ISSUE 2	



- LEGEND**
- DC CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - - - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE
R2-6(R)
 - EXISTING SIGNAGE (RETAINED)
R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED)
R2-6(R)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

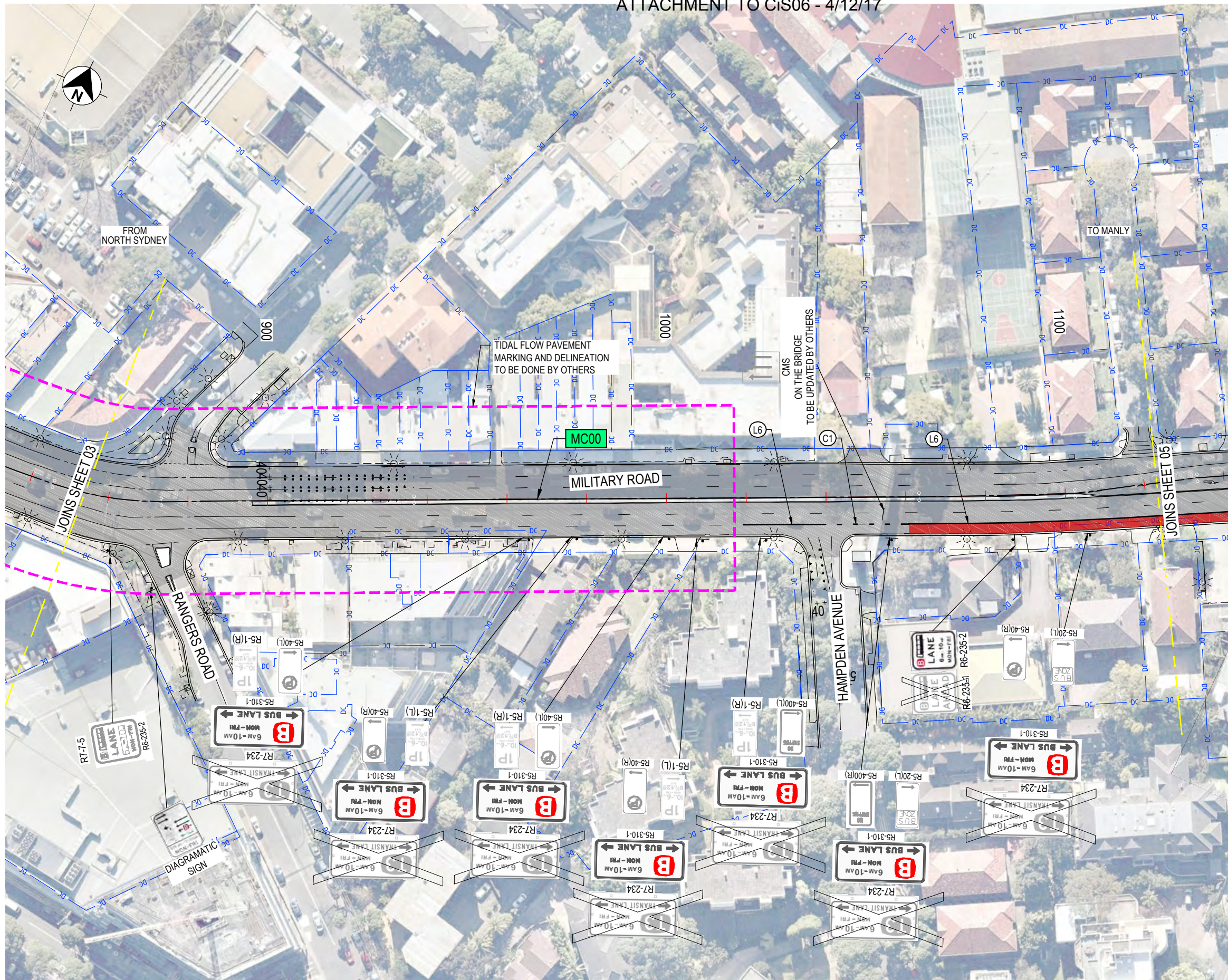
NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

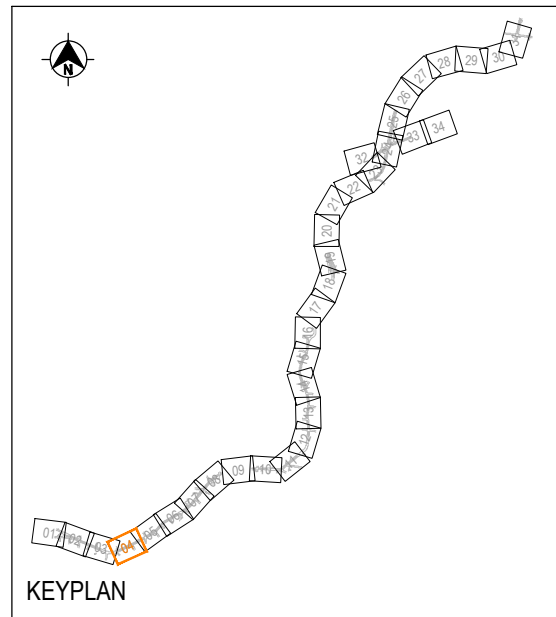
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EXTERNAL REFERENCE FILES X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CTRL XD_DES_WPE XD_FRAM_1000 XD_LMK XD_NOTE_RF XD_SIGN XD_SURV XD_LEG_RF XD_PAVX XD_KEY_GN_1000.		REV 1 2	DATE 26/09/2017 10/11/2017	AMENDMENT / REVISION DESCRIPTION ISSUED FOR 50% DETAILED DESIGN - WVR 001 RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	REVIEWED AA MC	APPROVAL SB SB	SCALES ON A3 SIZE DRAWING 0 10 20 30 40 SCALE 1:1000m	DRAWINGS / DESIGN PREPARED BY 		TITLE DRAWN DRG CHECK DESIGN DESIGN CHECK DESIGN MNGR PROJECT MNGR	NAME D.NISHANDAR J.DAWSON A.ARROLLAVE M.CORRIGAN S.BERRY A.ARROLLAVE	DATE 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017	CLIENT 	PREPARED FOR 	RMS REGISTRATION No. DS2017/000000	EDMS No.	SHEET No. RF-0303	ISSUE 2
CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		PART		© Roads and Maritime Services								



- LEGEND**
- CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE R2-6(R)
 - EXISTING SIGNAGE (RETAINED) R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED) R2-6(R)
 - PROPOSED LINEMARKING TAG
 - PROPOSED KERB TAG
 - PROPOSED DELINEATION TAG

NOTE
 1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

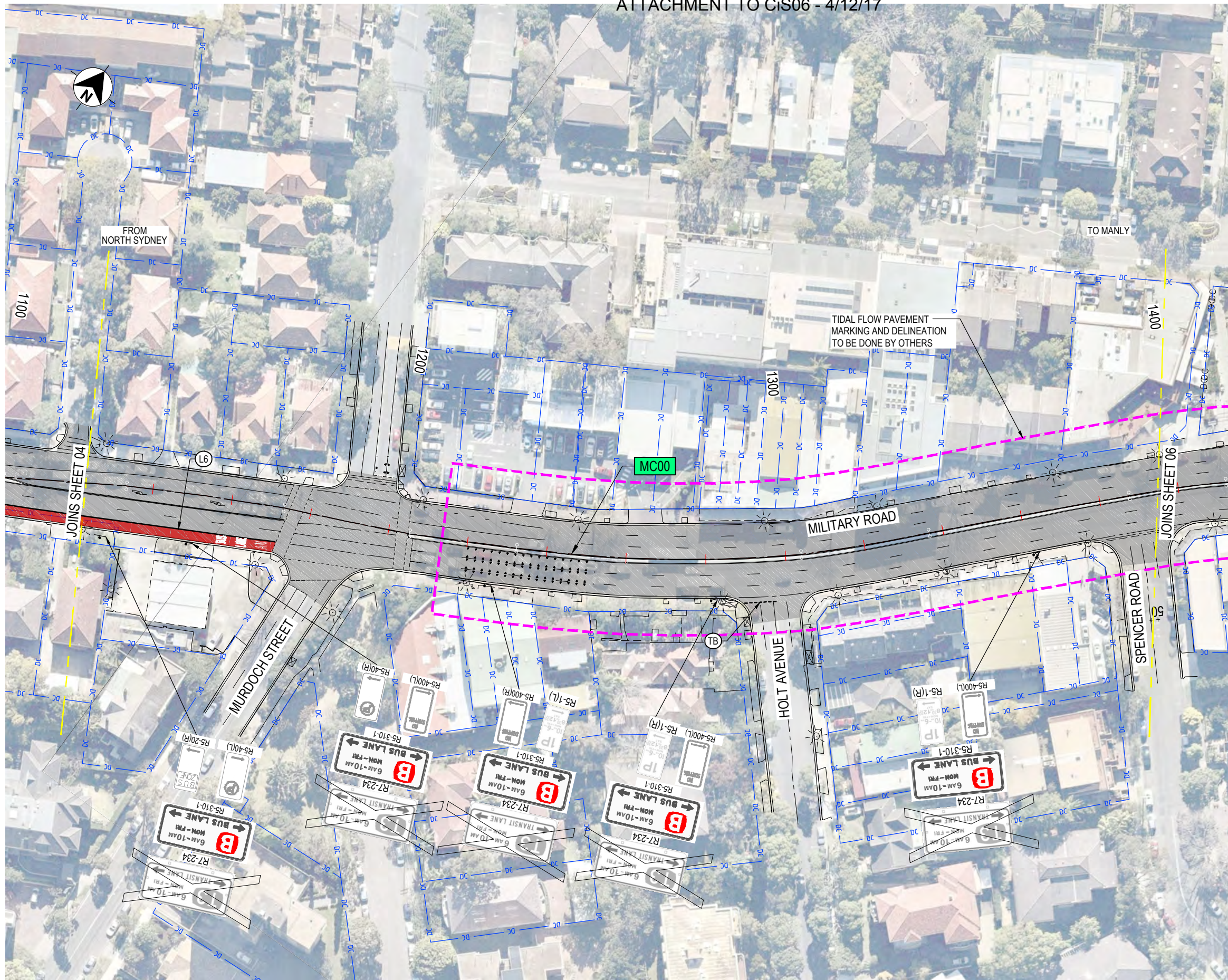
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EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	REVIEWED	APPROVAL	SCALES ON A3 SIZE DRAWING	DRAWINGS / DESIGN PREPARED BY		
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	2	10/11/2017	RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	AC	SB	SCALE 1:1000m			
				CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD			

TITLE	NAME	DATE
DRAWN	D.NISHANDAR	10/11/2017
DRG CHECK	J.DAWSON	10/11/2017
DESIGN	A.ARROLLAVE	10/11/2017
DESIGN CHECK	M.CORRIGAN	10/11/2017
DESIGN MNGR	S.BERRY	10/11/2017
PROJECT MNGR	A.ARROLLAVE	10/11/2017

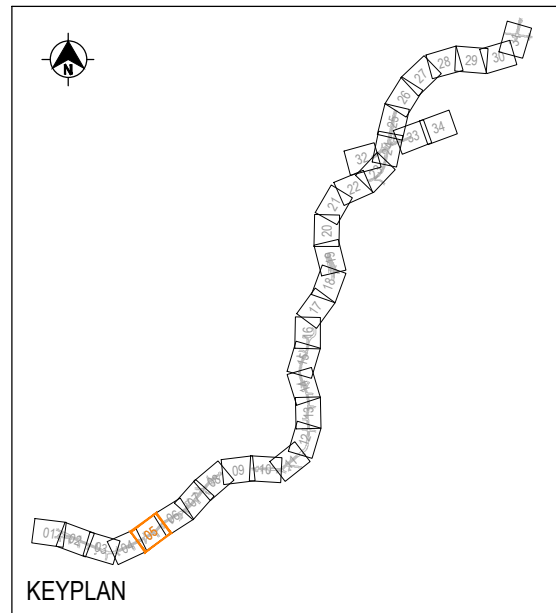
CLIENT	PREPARED FOR
RMS REGISTRATION No. DS2017/000000	EDMS No.
ISSUE STATUS 50% DETAILED DESIGN	SHEET No. RF-0304
	ISSUE 2

PART	
	2



- LEGEND**
- DC CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - - - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE
R2-6(R)
 - EXISTING SIGNAGE (RETAINED)
R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED)
R2-6(R)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

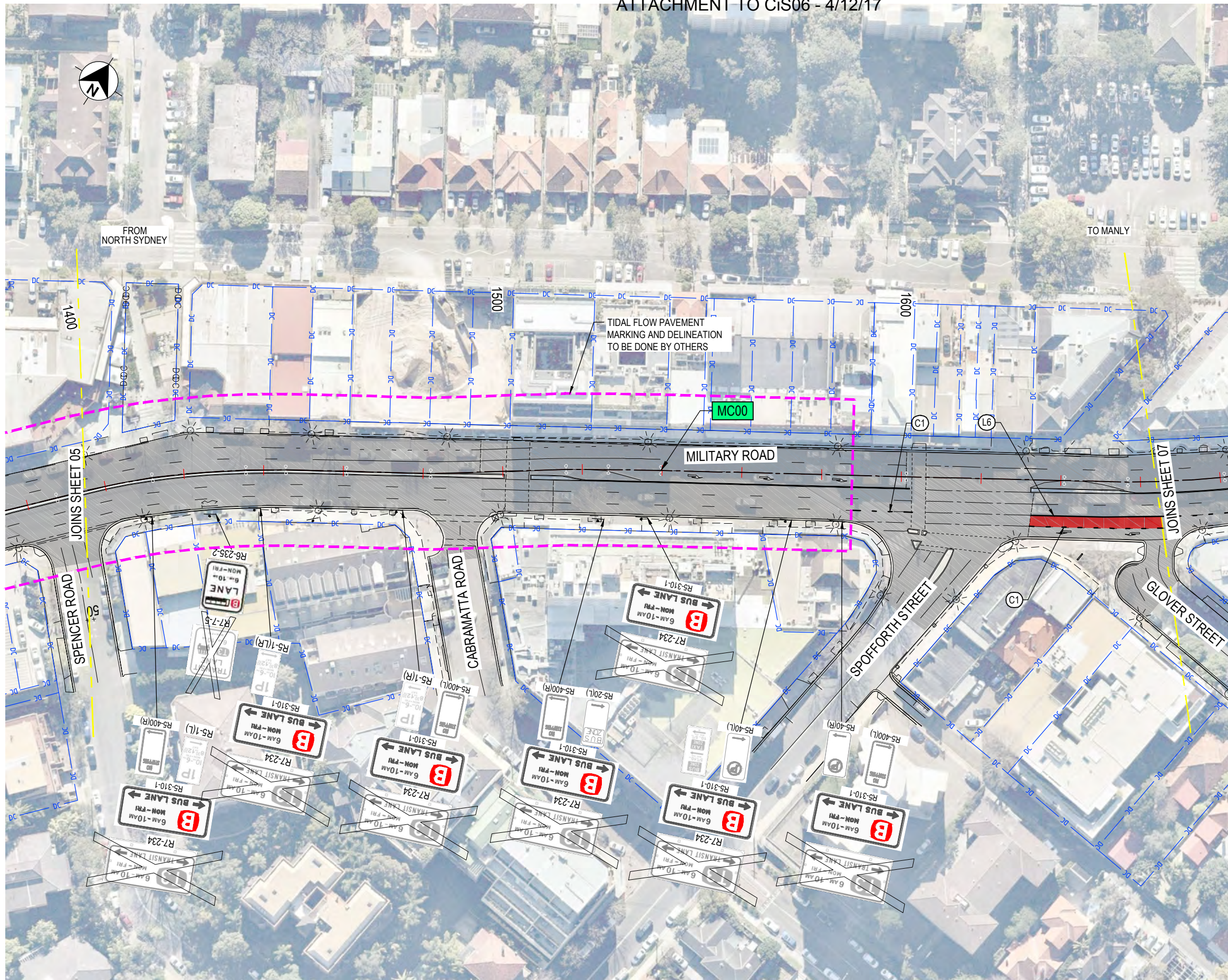
NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



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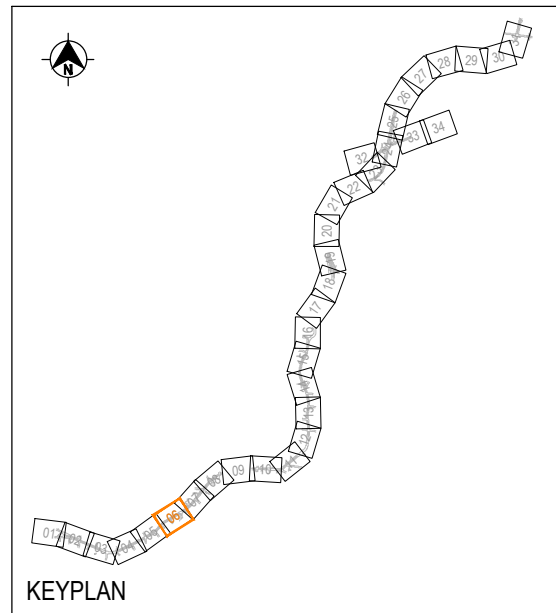
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DRAWING FILE LOCATION / NAME S:\03 PROJECTS\PROJECTS\P00105 - T3 lane conversion to bus lane\H-Cad\Drawings\P00105-RF-0305.dwg		DESIGN LOT CODE RF	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 10 Nov 2017 - 02:23PM	PLOT BY dnishand	DRAWING No. P00105-RF-0305	NORTHERN BEACHES COUNCIL, MOSMAN MR 164 MILITARY ROAD TO CONDAMINE STREET T3 LANE CONVERSION TO AM PEAK BUS LANE DETAILED DESIGN SIGNPOSTING, DELINEATION & KERB PLAN SHEET 5		A3								
EXTERNAL REFERENCE FILES X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CTRL XD_DES_WPE XD_FRAM_1000 XD_LMK XD_NOTE_RF XD_SIGN XD_SURV XD_LEG_RF XD_PAVX XD_KEY_GN_1000		REV 1 2	DATE 26/09/2017 10/11/2017	AMENDMENT / REVISION DESCRIPTION ISSUED FOR 50% DETAILED DESIGN - WVR 001 RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	REVIEWED AA MC	APPROVAL SB SB	SCALES ON A3 SIZE DRAWING 0 10 20 30 40 SCALE 1:1000m	DRAWINGS / DESIGN PREPARED BY 		TITLE DRAWN DRG CHECK DESIGN DESIGN CHECK DESIGN MNGR PROJECT MNGR	NAME D.NISHANDAR J.DAWSON A.ARROLLAVE M.CORRIGAN S.BERRY A.ARROLLAVE	DATE 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017	CLIENT 	PREPARED FOR 	RMS REGISTRATION No. DS2017/002689	EDMS No.	SHEET No. RF-0305	ISSUE 2
CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		PART		© Roads and Maritime Services								



- LEGEND**
- DC — CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - - - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE
R2-6(R)
 - EXISTING SIGNAGE (RETAINED)
R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED)
R2-6(R)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

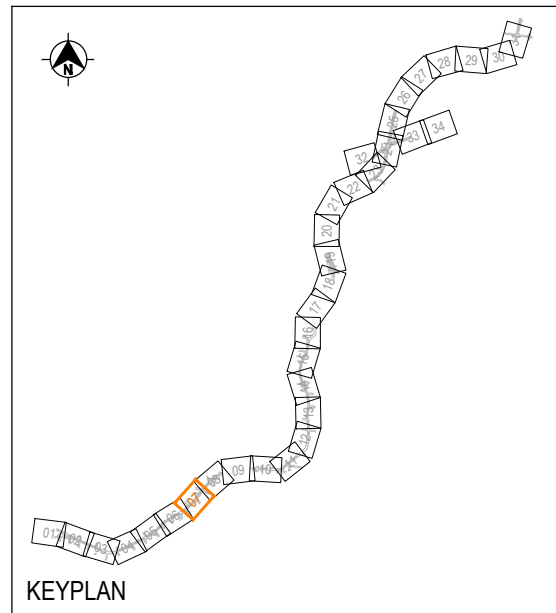
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DRAWING FILE LOCATION / NAME S:\03 PROJECTS\PROJECTS\P00105 - T3 lane conversion to bus lane\H-Cad\Drawings\P00105-RF-0306.dwg		DESIGN LOT CODE RF	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 10 Nov 2017 - 02:23PM	PLOT BY dnishand	DRAWING No. P00105-RF-0306	NORTHERN BEACHES COUNCIL, MOSMAN MR 164 MILITARY ROAD TO CONDAMINE STREET T3 LANE CONVERSION TO AM PEAK BUS LANE DETAILED DESIGN SIGNPOSTING, DELINEATION & KERB PLAN SHEET 6		A3
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	REVIEWED	APPROVAL	SCALES ON A3 SIZE DRAWING		DRAWINGS / DESIGN PREPARED BY	
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							TITLE DRAWN DRG CHECK DESIGN DESIGN CHECK DESIGN MNGR PROJECT MNGR		NAME D.NISHANDAR J.DAWSON A.ARROLLAVE M.CORRIGAN S.BERRY A.ARROLLAVE	
							CLIENT 		PREPARED FOR 	
							RMS REGISTRATION No. DS2017/002689		PART SHEET No. RF-0306 ISSUE 2	
							EDMS No.		© Roads and Maritime Services	



- LEGEND**
- DC — CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE R2-6(R)
 - EXISTING SIGNAGE (RETAINED) R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED) R2-6(R)
 - PROPOSED LINEMARKING TAG
 - PROPOSED KERB TAG
 - PROPOSED DELINEATION TAG

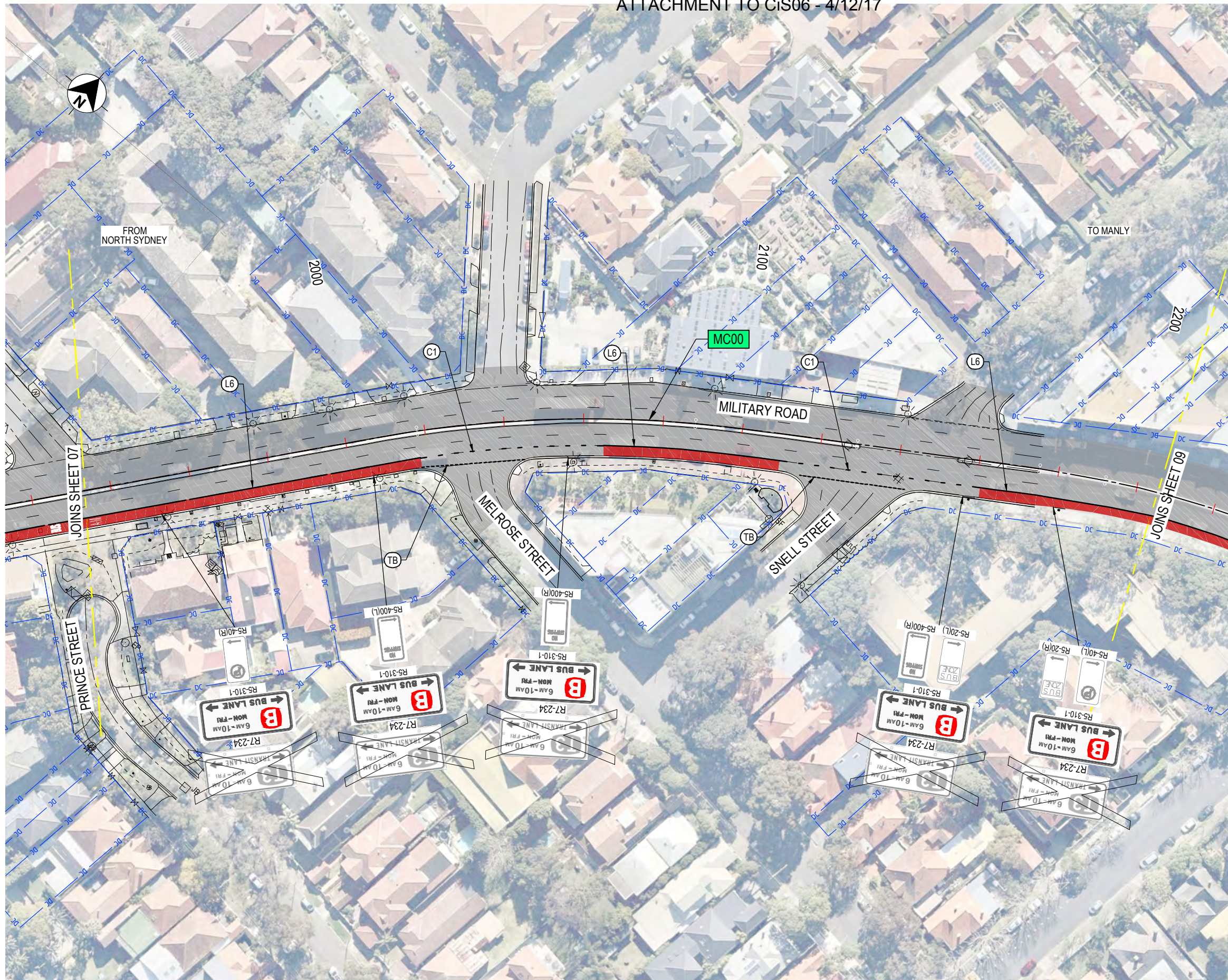
NOTE
 1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

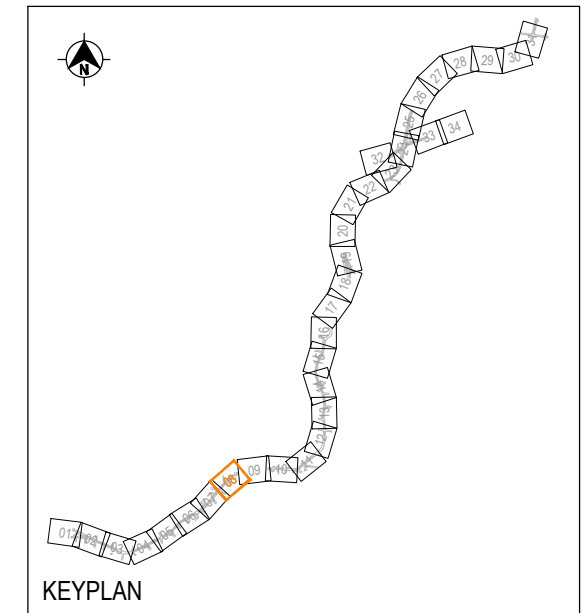
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				CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD												© Roads and Maritime Services	



- LEGEND**
- DC — CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - - - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE
R2-6(R)
 - EXISTING SIGNAGE (RETAINED)
R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED)
R2-6(R)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

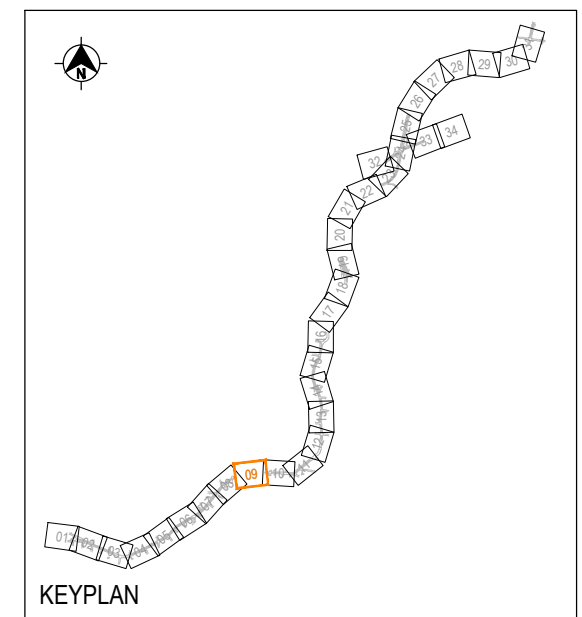
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EXTERNAL REFERENCE FILES X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CTRL XD_DES_WPE XD_FRAM_1000 XD_LMK XD_NOTE_RF XD_SIGN XD_SURV XD_LEG_RF XD_PAVX XD_KEY_GN_1000.		REV 1 2	DATE 26/09/2017 10/11/2017	AMENDMENT / REVISION DESCRIPTION ISSUED FOR 50% DETAILED DESIGN - WVR 001 RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	REVIEWED AA MC	APPROVAL SB SB	SCALES ON A3 SIZE DRAWING 0 10 20 30 40 SCALE 1:1000m	DRAWINGS / DESIGN PREPARED BY 		TITLE DRAWN DRG CHECK DESIGN DESIGN CHECK DESIGN MNGR PROJECT MNGR	NAME D.NISHANDAR J.DAWSON A.ARROLLAVE M.CORRIGAN S.BERRY A.ARROLLAVE	DATE 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017	CLIENT 	PREPARED FOR 	RMS REGISTRATION No. DS2017/002689	EDMS No.	SHEET No. RF-0308	ISSUE 2
CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		© Roads and Maritime Services										



- LEGEND**
- DC CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - - - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - NO RIGHT TURN PROPOSED SIGNAGE R2-6(R)
 - NO RIGHT TURN EXISTING SIGNAGE (RETAINED) R2-6(R)
 - NO RIGHT TURN EXISTING SIGNAGE (TO BE REMOVED) R2-6(R)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

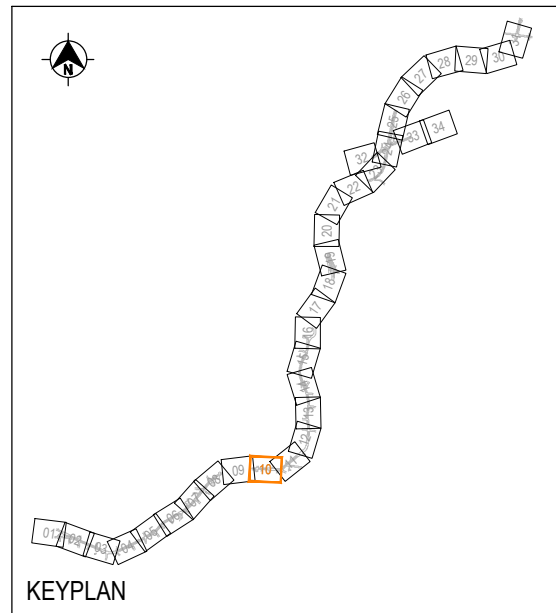
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DRAWING FILE LOCATION / NAME S:\03 PROJECTS\PROJECTS\P00105 - T3 lane conversion to bus lane\H-Cad\Drawings\P00105-RF-0309.dwg		DESIGN LOT CODE RF	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 10 Nov 2017 - 02:24PM	PLOT BY dnishand	DRAWING No. P00105-RF-0309	NORTHERN BEACHES COUNCIL, MOSMAN MR 164 MILITARY ROAD TO CONDAMINE STREET T3 LANE CONVERSION TO AM PEAK BUS LANE DETAILED DESIGN SIGNPOSTING, DELINEATION & KERB PLAN SHEET 9	A3
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	REVIEWED	APPROVAL	SCALES ON A3 SIZE DRAWING	DRAWINGS / DESIGN PREPARED BY	
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		2	10/11/2017	RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	AC	SB			
							CLIENT 		
							PREPARED FOR 		
							RMS REGISTRATION No. DS2017/002689		PART
							ISSUE STATUS 50% DETAILED DESIGN		EDMS No.
							SHEET No. RF-0309		ISSUE 2
							© Roads and Maritime Services		



- LEGEND**
- DC — CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - - - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - NO RIGHT TURN PROPOSED SIGNAGE
 - NO RIGHT TURN EXISTING SIGNAGE (RETAINED)
 - NO RIGHT TURN EXISTING SIGNAGE (TO BE REMOVED)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

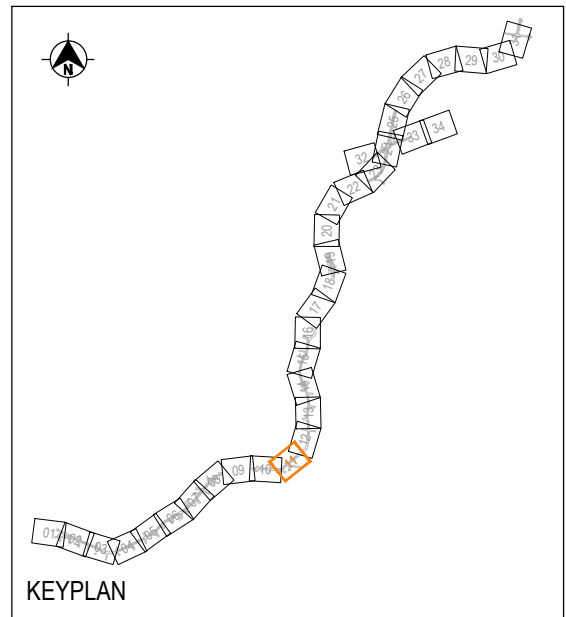
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DRAWING FILE LOCATION / NAME S:\03 PROJECTS\PROJECTS\P00105 - T3 lane conversion to bus lane\H-Cad\Drawings\P00105-RF-0310.dwg		DESIGN LOT CODE RF	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 10 Nov 2017 - 02:25PM	PLOT BY dnishand	DRAWING No. P00105-RF-0310	NORTHERN BEACHES COUNCIL, MOSMAN MR 164 MILITARY ROAD TO CONDAMINE STREET		A3	
EXTERNAL REFERENCE FILES X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CITL XD_DES_WPE XD_FRAM_1000 XD_LMK XD_NOTE_RF XD_SIGN XD_SURV XD_LEG_RF XD_PAVX XD_KEY_GN_1000		REV 1 2	DATE 26/09/2017 10/11/2017	AMENDMENT / REVISION DESCRIPTION ISSUED FOR 50% DETAILED DESIGN - WVR 001 RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	REVIEWED AA MC	APPROVAL SB SB	SCALES ON A3 SIZE DRAWING 0 10 20 30 40 SCALE 1:1000m	DRAWINGS / DESIGN PREPARED BY 		TITLE T3 LANE CONVERSION TO AM PEAK BUS LANE DETAILED DESIGN SIGNPOSTING, DELINEATION & KERB PLAN SHEET 10	CLIENT
CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		DESIGN CHECK M.CORRIGAN DESIGN MNGR S.BERRY PROJECT MNGR A.ARROLLAVE		DATE 10/11/2017 10/11/2017 10/11/2017	PREPARED FOR 	RMS REGISTRATION No. DS2017/002689	EDMS No.	SHEET No. RF-0310	ISSUE 2



- LEGEND**
- DC CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - - - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - + EXISTING SIGNPOST LOCATION
 - + PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE
R2-6(R)
 - EXISTING SIGNAGE (RETAINED)
R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED)
R2-6(R)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

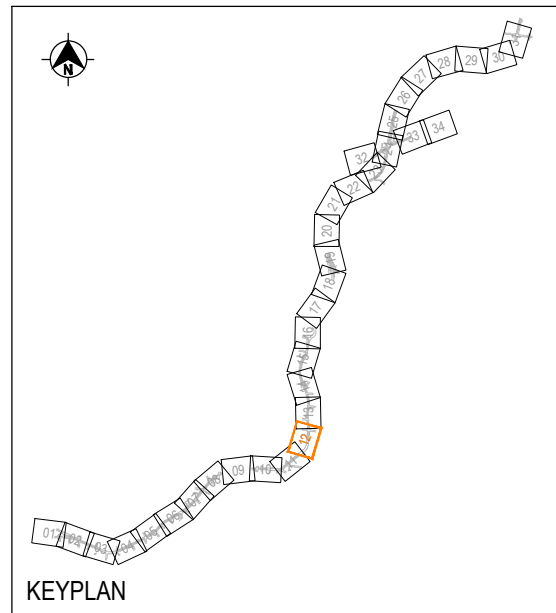
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DRAWING FILE LOCATION / NAME S:\03 PROJECTS\PROJECTS\P00105 - T3 lane conversion to bus lane\H-Cad\Drawings\P00105-RF-0311.dwg		DESIGN LOT CODE RF	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 10 Nov 2017 - 02:25PM	PLOT BY dnishand	DRAWING No. P00105-RF-0311	NORTHERN BEACHES COUNCIL, MOSMAN MR 164 MILITARY ROAD TO CONDAMINE STREET T3 LANE CONVERSION TO AM PEAK BUS LANE DETAILED DESIGN SIGNPOSTING, DELINEATION & KERB PLAN SHEET 11		A3
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	REVIEWED	APPROVAL	SCALES ON A3 SIZE DRAWING	DRAWINGS / DESIGN PREPARED BY		
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		2	10/11/2017	RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	AC	SB				
							HEIGHT DATUM AHD	TITLE NAME DATE DRAWN D.NISHANDAR 10/11/2017 DRG CHECK J.DAWSON 10/11/2017 DESIGN A.ARROLLAVE 10/11/2017 DESIGN CHECK M.CORRIGAN 10/11/2017 DESIGN MGR S.BERRY 10/11/2017 PROJECT MGR A.ARROLLAVE 10/11/2017		
								PREPARED FOR 		
								RMS REGISTRATION No. DS2017/002689 ISSUE STATUS 50% DETAILED DESIGN EDMS No. SHEET No. RF-0311 ISSUE 2		



- LEGEND**
- DC CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - + EXISTING SIGNPOST LOCATION
 - + PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE
R2-6(R)
 - EXISTING SIGNAGE (RETAINED)
R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED)
R2-6(R)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

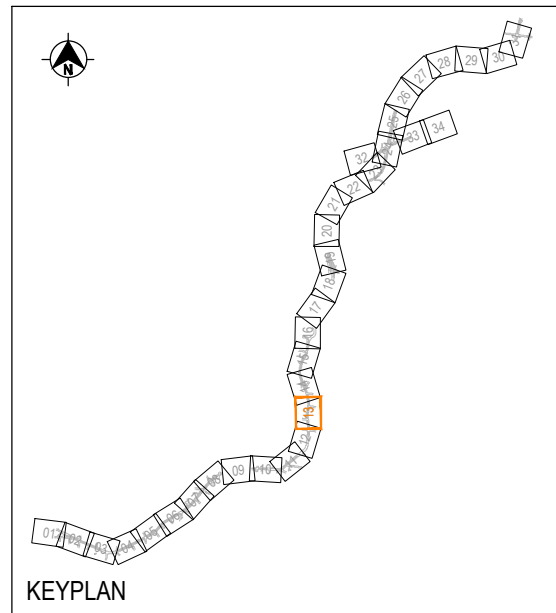
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EXTERNAL REFERENCE FILES X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CTRL XD_DES_WIPE XD_FRAM_1000 XD_LMK XD_NOTE_RF XD_SIGN XD_SURV XD_LEG_RF XD_PAVX XD_KEY_GN_1000		REV 1 2	DATE 26/09/2017 10/11/2017	AMENDMENT / REVISION DESCRIPTION ISSUED FOR 50% DETAILED DESIGN - WVR 001 RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	REVIEWED AA MC	APPROVAL SB SB	SCALES ON A3 SIZE DRAWING 0 10 20 30 40 SCALE 1:1000m	DRAWINGS / DESIGN PREPARED BY 	
CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		TITLE DRAWN DRG CHECK DESIGN DESIGN CHECK DESIGN MNGR PROJECT MNGR		NAME D.NISHANDAR J.DAWSON A.ARROLLAVE M.CORRIGAN S.BERRY A.ARROLLAVE		DATE 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017	
PREPARED FOR 		RMS REGISTRATION No. DS2017/002689		EDMS No.		SHEET No. RF-0312		ISSUE 2	



- LEGEND**
- DC CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - - - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - NO RIGHT TURN PROPOSED SIGNAGE
 - NO RIGHT TURN EXISTING SIGNAGE (RETAINED)
 - NO RIGHT TURN EXISTING SIGNAGE (TO BE REMOVED)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



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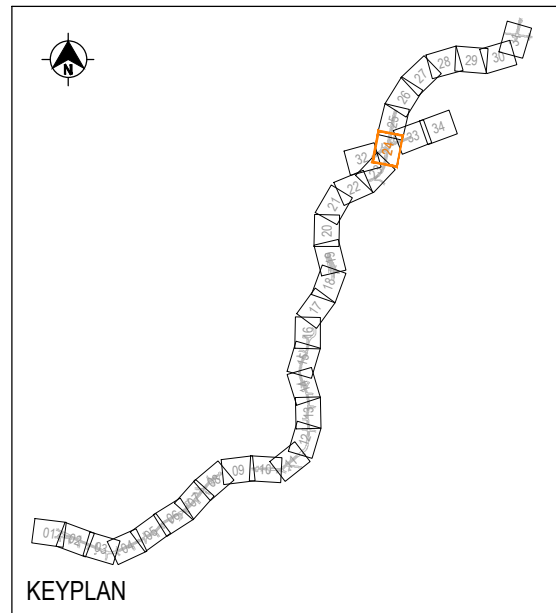
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EXTERNAL REFERENCE FILES X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CTRL XD_DES_WPE XD_FRAM_1000 XD_LMK XD_NOTE_RF XD_SIGN XD_SURV XD_LEG_RF XD_PAVX XD_KEY_GN_1000		REV 1 2	DATE 26/09/2017 10/11/2017	AMENDMENT / REVISION DESCRIPTION ISSUED FOR 50% DETAILED DESIGN - WVR 001 RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	REVIEWED AA MC	APPROVAL SB SB	SCALES ON A3 SIZE DRAWING 0 10 20 30 40 SCALE 1:1000m	DRAWINGS / DESIGN PREPARED BY 		TITLE DRAWN DRG CHECK DESIGN DESIGN CHECK DESIGN MNGR PROJECT MNGR	NAME D.NISHANDAR J.DAWSON A.ARROLLAVE M.CORRIGAN S.BERRY A.ARROLLAVE	DATE 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017	CLIENT 	PREPARED FOR 	RMS REGISTRATION No. DS2017/002689	EDMS No.	SHEET No. RF-0313	ISSUE 2
CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		PART		© Roads and Maritime Services								



- LEGEND**
- DC CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - - - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - NO RIGHT TURN PROPOSED SIGNAGE R2-6(R)
 - NO RIGHT TURN EXISTING SIGNAGE (RETAINED) R2-6(R)
 - NO RIGHT TURN EXISTING SIGNAGE (TO BE REMOVED) R2-6(R)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

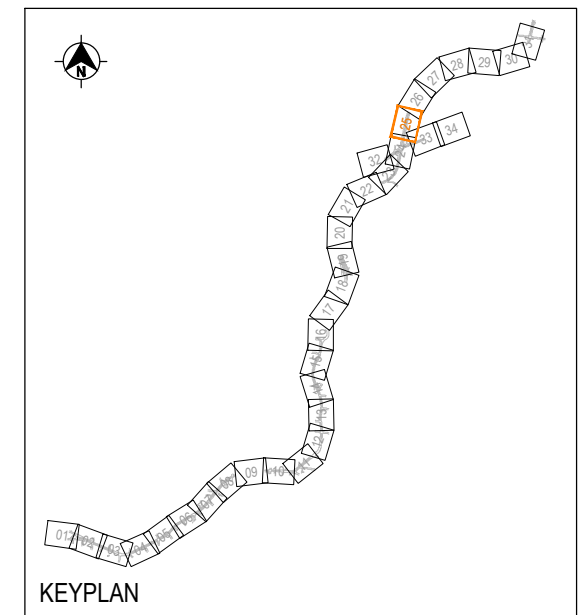
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DRAWING FILE LOCATION / NAME S:\03 PROJECTS\PROJECTS\P00105 - T3 lane conversion to bus lane\H-Cad\Drawings\P00105-RF-0324.dwg		DESIGN LOT CODE RF	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 10 Nov 2017 - 02:27PM	PLOT BY dnishand	DRAWING No. P00105-RF-0324	NORTHERN BEACHES COUNCIL, MOSMAN MR 164 MILITARY ROAD TO CONDOMINE STREET T3 LANE CONVERSION TO AM PEAK BUS LANE DETAILED DESIGN SIGNPOSTING, DELINEATION & KERB PLAN SHEET 24		A3									
EXTERNAL REFERENCE FILES X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CTRL XD_DES_WPE XD_FRAM_1000 XD_LMK XD_NOTE_RF XD_SIGN XD_SURV XD_LEG_RF XD_PAVX XD_KEY_GN_1000		REV 1 2	DATE 26/09/2017 10/11/2017	AMENDMENT / REVISION DESCRIPTION ISSUED FOR 50% DETAILED DESIGN - WVR 001 RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	REVIEWED AA MC	APPROVAL SB SB	SCALES ON A3 SIZE DRAWING 0 10 20 30 40 SCALE 1:1000m	DRAWINGS / DESIGN PREPARED BY 		TITLE DRAWN DRG CHECK DESIGN DESIGN CHECK DESIGN MNGR PROJECT MNGR	NAME D.NISHANDAR J.DAWSON A.ARROLLAVE M.CORRIGAN S.BERRY A.ARROLLAVE	DATE 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017	CLIENT 	PREPARED FOR 	RMS REGISTRATION No. DS2017/002689	EDMS No.	SHEET No. RF-0324	ISSUE 2	
				CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD												© Roads and Maritime Services	



- LEGEND**
- DC CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE R2-6(R)
 - EXISTING SIGNAGE (RETAINED) R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED) R2-6(R)
 - PROPOSED LINEMARKING TAG
 - PROPOSED KERB TAG
 - PROPOSED DELINEATION TAG

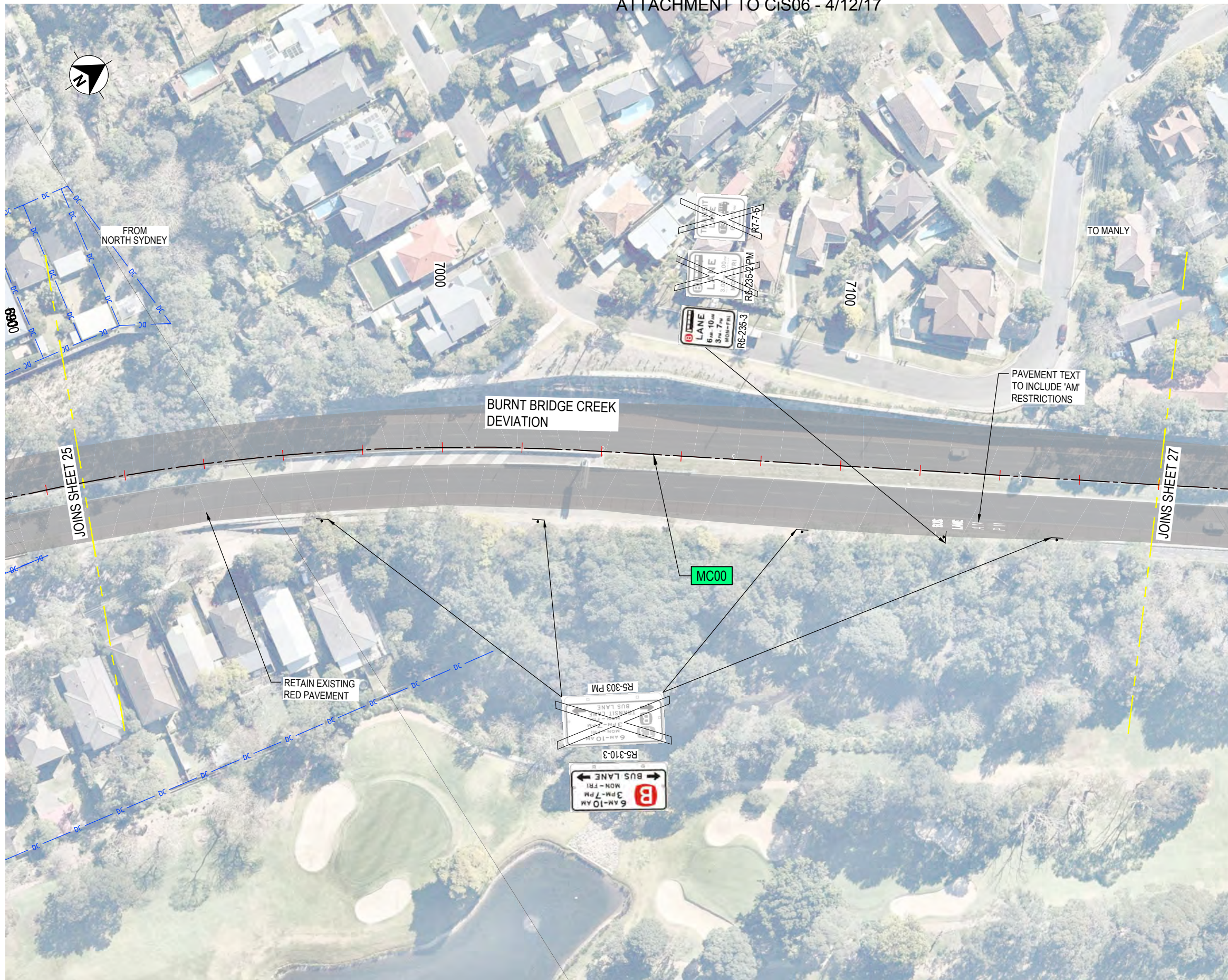
NOTE
 1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

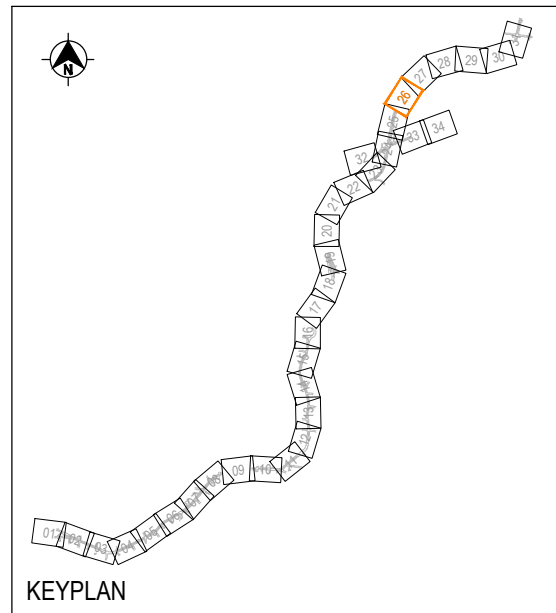
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DRAWING FILE LOCATION / NAME S:\03 PROJECTS\PROJECTS\P00105 - T3 lane conversion to bus lane\H-Cad\Drawings\P00105-RF-0325.dwg		DESIGN LOT CODE RF		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 10 Nov 2017 - 02:27PM		PLOT BY dnishand		DRAWING No. P00105-RF-0325		NORTHERN BEACHES COUNCIL, MOSMAN MR 164 MILITARY ROAD TO CONDOMINE STREET T3 LANE CONVERSION TO AM PEAK BUS LANE DETAILED DESIGN SIGNPOSTING, DELINEATION & KERB PLAN SHEET 25		A3	
EXTERNAL REFERENCE FILES X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CTRL XD_DES_WPE XD_FRAM_1000 XD_LMK XD_NOTE_RF XD_SIGN XD_SURV XD_LEG_RF XD_PAVX XD_KEY_GN_1000.		REV 1 2		DATE 26/09/2017 10/11/2017		AMENDMENT / REVISION DESCRIPTION ISSUED FOR 50% DETAILED DESIGN - WVR 001 RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002		REVIEWED AA MC		APPROVAL SB SB		SCALES ON A3 SIZE DRAWING 0 10 20 30 40 SCALE 1:1000m		DRAWINGS / DESIGN PREPARED BY 	
CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		TITLE DRAWN DRG CHECK DESIGN DESIGN CHECK DESIGN MNGR PROJECT MNGR		NAME D.NISHANDAR J.DAWSON A.ARROLLAVE M.CORRIGAN S.BERRY A.ARROLLAVE		DATE 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017		CLIENT 		PREPARED FOR 		RMS REGISTRATION No. DS2017/002689	
ISSUE STATUS 50% DETAILED DESIGN		EDMS No.		SHEET No. RF-0325		ISSUE 2		PART		© Roads and Maritime Services					



- LEGEND**
- DC — CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - - - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - NO RIGHT TURN PROPOSED SIGNAGE
 - NO RIGHT TURN EXISTING SIGNAGE (RETAINED)
 - NO RIGHT TURN EXISTING SIGNAGE (TO BE REMOVED)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

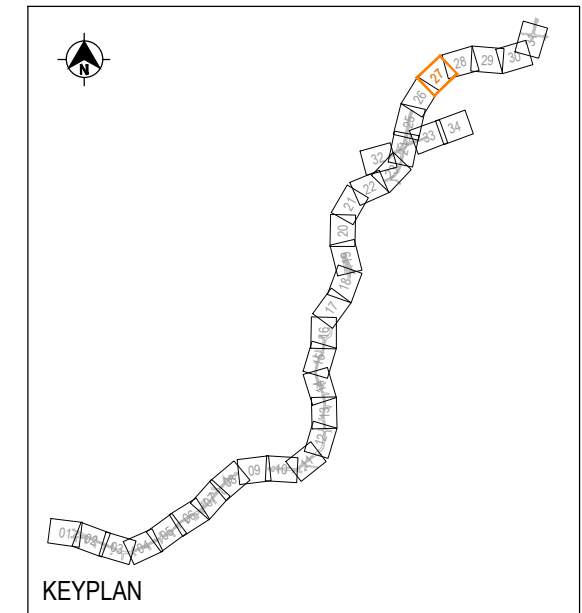
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EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	REVIEWED	APPROVAL	SCALES ON A3 SIZE DRAWING	DRAWINGS / DESIGN PREPARED BY		
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		2	10/11/2017	RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	MC	SB				HEIGHT DATUM AHD
								TITLE D.NISHANDAR 10/11/2017 DRG CHECK J.DAWSON 10/11/2017 DESIGN A.ARROLLAVE 10/11/2017 DESIGN CHECK M.CORRIGAN 10/11/2017 DESIGN MNGR S.BERRY 10/11/2017 PROJECT MNGR A.ARROLLAVE 10/11/2017	CLIENT PREPARED FOR 	RMS REGISTRATION No. DS2017/002689 ISSUE STATUS 50% DETAILED DESIGN EDMS No. SHEET No. RF-0326 ISSUE 2



- LEGEND**
- DC CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE R2-6(R)
 - EXISTING SIGNAGE (RETAINED) R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED) R2-6(R)
 - PROPOSED LINEMARKING TAG
 - PROPOSED KERB TAG
 - PROPOSED DELINEATION TAG

NOTE
 1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



NOT FOR CONSTRUCTION

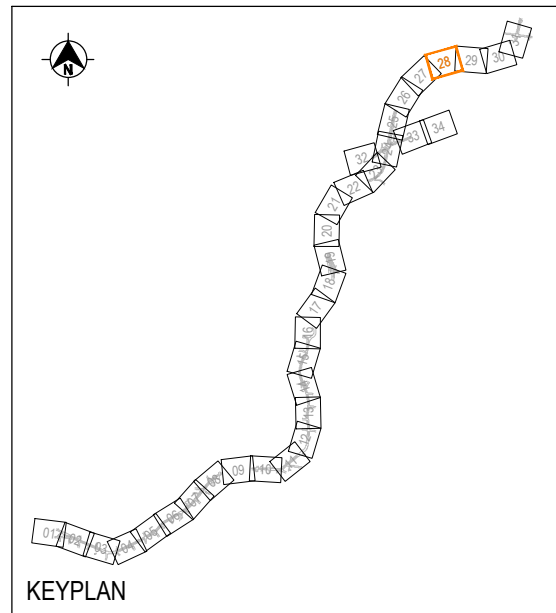
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EXTERNAL REFERENCE FILES X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CTRL XD_DES_WIPE XD_FRAM_1000 XD_LMK XD_NOTE_RF XD_SIGN XD_SURV XD_LEG_RF XD_PAVX XD_KEY_GN_1000		REV 1 2	DATE 26/09/2017 10/11/2017	AMENDMENT / REVISION DESCRIPTION ISSUED FOR 50% DETAILED DESIGN - WVR 001 RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	REVIEWED AA MC	APPROVAL SB SB	SCALES ON A3 SIZE DRAWING 0 10 20 30 40 SCALE 1:1000m	DRAWINGS / DESIGN PREPARED BY 	
CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		TITLE DRAWN DRG CHECK DESIGN DESIGN CHECK DESIGN MNGR PROJECT MNGR		NAME D.NISHANDAR J.DAWSON A.ARROLLAVE M.CORRIGAN S.BERRY A.ARROLLAVE		DATE 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017	
CLIENT 		PREPARED FOR 		RMS REGISTRATION No. DS2017/002689		EDMS No.		SHEET No. RF-0327	
ISSUE STATUS 50% DETAILED DESIGN		ISSUE No. 2		PART		ISSUE		2	



- LEGEND**
- DC — CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - - - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE
R2-6(R)
 - EXISTING SIGNAGE (RETAINED)
R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED)
R2-6(R)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



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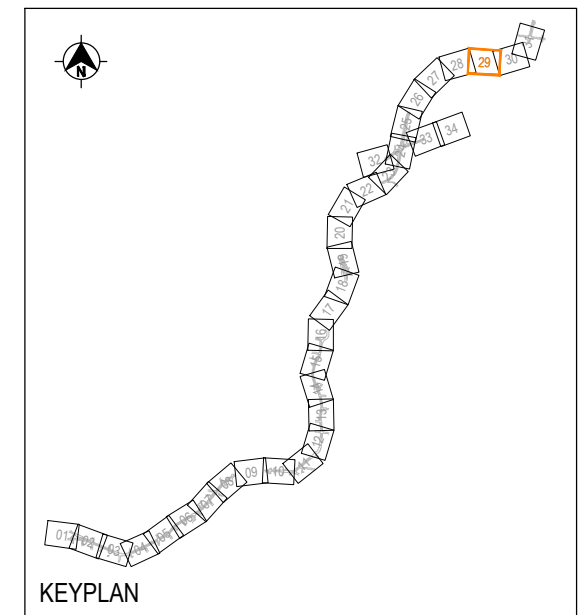
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EXTERNAL REFERENCE FILES X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CTRL XD_DES_WIPE XD_FRAM_1000 XD_LMK XD_NOTE_RF XD_SIGN XD_SURV XD_LEG_RF XD_PAVX XD_KEY_GN_1000		REV 1 2	DATE 26/09/2017 10/11/2017	AMENDMENT / REVISION DESCRIPTION ISSUED FOR 50% DETAILED DESIGN - WVR 001 RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	REVIEWED AA MC	APPROVAL SB SB	SCALES ON A3 SIZE DRAWING 0 10 20 30 40 SCALE 1:1000m	DRAWINGS / DESIGN PREPARED BY 	
TITLE DRAWN DRG CHECK DESIGN DESIGN CHECK DESIGN MNGR PROJECT MNGR		NAME D.NISHANDAR J.DAWSON A.ARROLLAVE M.CORRIGAN S.BERRY A.ARROLLAVE		DATE 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017 10/11/2017		CLIENT 		RMS REGISTRATION No. DS2017/002689	PART 2
CO-ORDINATE SYSTEM MGA ZONE 56		HEIGHT DATUM AHD		ISSUE STATUS 50% DETAILED DESIGN		EDMS No.		SHEET No. RF-0328	ISSUE 2



- LEGEND**
- DC — CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - - - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE
R2-6(R)
 - EXISTING SIGNAGE (RETAINED)
R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED)
R2-6(R)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

NOTE

1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



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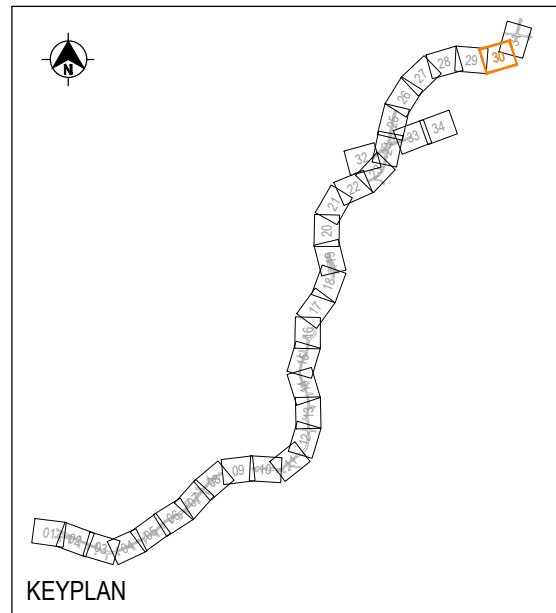
150mm ON A3 SIZE ORIGINAL

DRAWING FILE LOCATION / NAME S:\03 PROJECTS\PROJECTS\P00105 - T3 lane conversion to bus lane\H-Cad\Drawings\P00105-RF-0329.dwg		DESIGN LOT CODE RF	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 10 Nov 2017 - 02:29PM	PLOT BY dnishand	DRAWING No. P00105-RF-0329	NORTHERN BEACHES COUNCIL, MOSMAN MR 164 MILITARY ROAD TO CONDOMINE STREET T3 LANE CONVERSION TO AM PEAK BUS LANE DETAILED DESIGN SIGNPOSTING, DELINEATION & KERB PLAN SHEET 29	A3								
EXTERNAL REFERENCE FILES	REV	DATE	AMENDMENT / REVISION DESCRIPTION	REVIEWED	APPROVAL	SCALES ON A3 SIZE DRAWING	DRAWINGS / DESIGN PREPARED BY		TITLE	NAME	DATE	CLIENT	RMS REGISTRATION No. DS2017/002689	PART			
X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CTRL XD_DES_WPE XD_FRAM_1000 XD_LMK XD_NOTE_RF XD_SIGN XD_SURVY XD_LEG_RF XD_PAVX XD_KEY_GN_1000	1 2	26/09/2017 10/11/2017	ISSUED FOR 50% DETAILED DESIGN - WVR 001 RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	AA MC	SB SB	0 10 20 30 40 SCALE 1:1000m			DESIGN	A.ARROLLAVE	10/11/2017		PREPARED FOR 	ISSUE STATUS 50% DETAILED DESIGN	EDMS No.	SHEET No. RF-0329	ISSUE 2
						CO-ORDINATE SYSTEM MGA ZONE 56	HEIGHT DATUM AHD		DESIGN CHECK	M.CORRIGAN	10/11/2017						
								DESIGN MNGR	S.BERRY	10/11/2017							
								PROJECT MNGR	A.ARROLLAVE	10/11/2017							



- LEGEND**
- DC — CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - + EXISTING SIGNPOST LOCATION
 - + PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE
R2-6(R)
 - EXISTING SIGNAGE (RETAINED)
R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED)
R2-6(R)
 - C1 PROPOSED LINEMARKING TAG
 - K1 PROPOSED KERB TAG
 - AR3 (R) PROPOSED DELINEATION TAG

NOTE
1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



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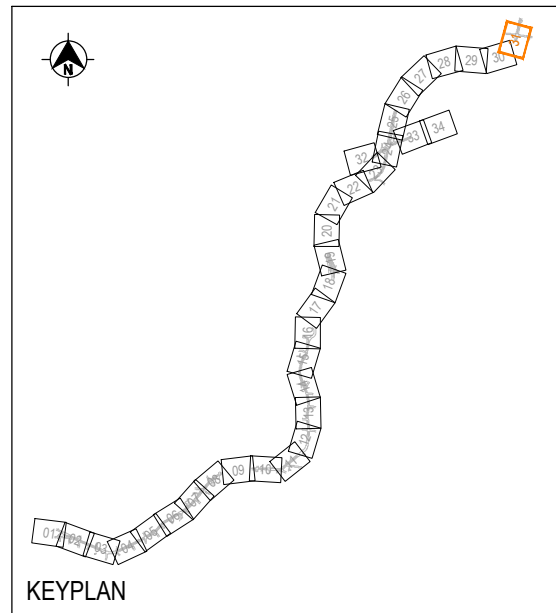
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DRAWING FILE LOCATION / NAME S:\03 PROJECTS\PROJECTS\P00105 - T3 lane conversion to bus lane\H-Cad\Drawings\P00105-RF-0330.dwg		DESIGN LOT CODE RF	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 10 Nov 2017 - 02:29PM	PLOT BY dnishand	DRAWING No. P00105-RF-0330	NORTHERN BEACHES COUNCIL, MOSMAN MR 164 MILITARY ROAD TO CONDOMINE STREET T3 LANE CONVERSION TO AM PEAK BUS LANE DETAILED DESIGN SIGNPOSTING, DELINEATION & KERB PLAN SHEET 30	A3
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	REVIEWED	APPROVAL	SCALES ON A3 SIZE DRAWING	DRAWINGS / DESIGN PREPARED BY	
X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CTRL XD_DES_WIPE XD_FRAM_1000 XD_LMK XD_NOTE_RF XD_SIGN XD_SURV XD_LEG_RF XD_PAVX XD_KEY_GN_1000		1	26/09/2017	ISSUED FOR 50% DETAILED DESIGN - WVR 001	AA	SB	0 10 20 30 40 SCALE 1:1000m CO-ORDINATE SYSTEM MGA ZONE 56		
		2	10/11/2017	RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	MC	SB			
							SCALE 1:1000m CO-ORDINATE SYSTEM MGA ZONE 56	CLIENT 	RMS REGISTRATION No. DS2017/002689
							PREPARED FOR 	ISSUE STATUS 50% DETAILED DESIGN	EDMS No. SHEET No. RF-0330
								PART 2	© Roads and Maritime Services



- LEGEND**
- DC CADASTRAL BOUNDARY
 - EXISTING PAVEMENT
 - ROAD CONTROL LINE
 - SURVEY
 - PROPOSED LINEMARKING
 - EXISTING SIGNPOST LOCATION
 - PROPOSED SIGN POST LOCATION
 - PROPOSED BUS ONLY LANE (FULL RED PAVEMENT)
 - PROPOSED SIGNAGE R2-6(R)
 - EXISTING SIGNAGE (RETAINED) R2-6(R)
 - EXISTING SIGNAGE (TO BE REMOVED) R2-6(R)
 - PROPOSED LINEMARKING TAG
 - PROPOSED KERB TAG
 - PROPOSED DELINEATION TAG

NOTE
 1. FOR GENERAL NOTES REFER TO DRAWING P00105-GE-0011.



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DRAWING FILE LOCATION / NAME S:\03 PROJECTS\PROJECTS\P00105 - T3 lane conversion to bus lane\H-Cad\Drawings\P00105-RF-0331.dwg		DESIGN LOT CODE RF	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		PLOT DATE / TIME 10 Nov 2017 - 02:30PM	PLOT BY dnishand	DRAWING No. P00105-RF-0331	NORTHERN BEACHES COUNCIL, MOSMAN MR 164 MILITARY ROAD TO CONDAMINE STREET T3 LANE CONVERSION TO AM PEAK BUS LANE DETAILED DESIGN SIGNPOSTING, DELINEATION & KERB PLAN SHEET 31	A3
EXTERNAL REFERENCE FILES		REV	DATE	AMENDMENT / REVISION DESCRIPTION	REVIEWED	APPROVAL	SCALES ON A3 SIZE DRAWING	DRAWINGS / DESIGN PREPARED BY	
X:\RMS_A\Borders_External XD_AERIAL_JPEG XD_CADA XD_DES XD_DES_CTRL XD_DES_WPE XD_FRAM_1000 XD_LMK XD_NOTE_RF XD_SIGN XD_SURVY XD_LEG_RF XD_PAVX XD_KEY_GN_1000		1	26/09/2017	ISSUED FOR 50% DETAILED DESIGN - WVR 001	AA	SB	0 10 20 30 40 SCALE 1:1000m CO-ORDINATE SYSTEM MGA ZONE 56		
		2	10/11/2017	RE-ISSUED FOR 50% DETAILED DESIGN - WVR 002	MC	SB			
							CLIENT 	PREPARED FOR 	RMS REGISTRATION No. DS2017/002689
							ISSUE STATUS 50% DETAILED DESIGN	EDMS No. SHEET No. RF-0331	PART ISSUE 2