



VRE Pedestrian and Cyclist Routes – Stage 1 Post-Implementation Road Safety Audit

Prepared for:

JHCPB

9 March 2020





VRE Pedestrian and Cyclist Routes – Stage 1

Post-Implementation Road Safety Audit

Client: JHCPB

Version: V01

Date: 9 March 2020



Quality Record

Version	Date	Prepared by	Reviewed by	Approved by	Signature
V01	09/03/20				





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2 Introduction

2.1 Background

This report has been prepared on behalf of John Holland to present road safety audit findings that have been identified for the pedestrian and cyclist detour routes to be implemented during the construction of the Rozelle Interchange and Western Harbour Tunnel.

During construction, the pedestrian bridge over Victoria Road and the 'horse shoe' bridge over The Crescent will be removed across multiple stages. Temporary diversions of pedestrian and cyclist paths will be in place making use of existing paths. The plan also includes relocation of the bus stop south of Robert Street to near Loughlin Street.

This audit has reviewed the works implemented for Stage 1 which include the closures of the pedestrian bridge over Victoria Road and detours via Rozelle Bay.

2.2 Audit Objective

The objective of this Audit is to assess the road safety issues associated with detour routes proposed for pedestrians and cyclists during the Stage 1 of construction.

2.3 Procedures and Reference Material

The procedures used are described in the following guidelines:

- Roads and Maritime Services' 2011 Guidelines for Road Safety Audit Practices
- Austroads Guide to Road Safety 2019: Part 6 Managing Road Safety Audits
- Austroads Guide to Road Safety 2019: Part 6A Implementing Road Safety Audits.

Austroads checklist was used by the audit team as a reference in this road safety audit. Key elements examined included:

- general topics – drainage, type and degree of access to development
- design issues
- intersections
- lighting, signs and delineation
- physical objects
- environmental constraints
- other matters including over size vehicles.



2.4 Audit Team

The RSA was carried out by the following team:

- [REDACTED] [REDACTED] – level 3 road safety auditor (lead auditor)
- [REDACTED] [REDACTED] – level 2 road safety auditor (team member).

[REDACTED] are registered road safety auditors with the NSW Centre for Road Safety and are experienced in traffic engineering and design/ inspection of traffic management schemes.



3 Road Safety Audit Program

3.1 Commencement Meeting

A formal meeting was not held.

3.2 Site and Field Audit

A site inspection was carried out on Monday 9 March 2020 in wet weather conditions during both daytime and night time conditions from 5:30am – 8:30am. The audit overlapped with the AM commuter peak period.

The detour routes were walked over to identify possible road safety concerns. Photographs and video footage were taken during the site inspection and are referenced in Table 4.2 Road Safety Audit Findings.

3.3 Completion Meeting

Not required.

4 Road Safety Audit Findings

4.1 Introduction

Table 4.1 provides specific details of the audit findings and a risk rating as high, medium or low. The risk ratings have been based on the risk matrix presented in Table 4.1, which has been adopted from the standard Austroads Risk Matrix.

Table 4.1: Risk Matrix

Likelihood	Highly probable	Occasional	Improbable
Severity			
Major	High	High	Medium
Moderate	High	Medium	Low
Minor	Medium	Low	Low

The terms in Table 4.1 are described below.

Likelihood:

- Highly probable: It is likely that more than one crash of this type could occur within a five-year period.
- Occasional: It is likely that less than one crash of this type could occur within a five-year period.
- Improbable: Less than one crash of this type could occur within a 10-year period.

Severity:

- Major: The crash is likely to result in a fatality or serious injuries
For example, high/medium speed vehicle collision, high/medium speed collision with a fixed object, pedestrian struck at high speed, and cyclist hit by car.
- Moderate: The crash is likely to result in minor injuries or large scale of property damage
For example, some slow speed vehicle collisions, cyclist falls, and rear end crashes.
- Minor: The crash is likely to result in minor property damage or many near miss crash events
For example, some slow speed collisions, pedestrian walks into object (no head injury), and car reverses into post.

Priority:

- High: Very important, and needs to be addressed urgently.
- Medium: Important, and needs to be addressed as soon as possible.
- Low: Needs to be considered as part of regular maintenance/planning program.



4.2 Responding to the Audit Report

As set out in the road safety audit guidelines, the responsibility for the road rests with the project manager, not with the auditor. The project manager is under no obligation to accept the audit findings. Neither is it the role of the auditor to agree to, or approve the project manager's responses to the audit.

The audit provides the opportunity to highlight potential road safety problems and have them formally considered by the project manager in conjunction with all other project considerations.

4.3 Road Safety Audit Findings



The audit findings are documented in Table 4.2 which provides:

- specific details of the road safety issues identified during the audit
- a risk level rating for each of the road safety audit findings.

It should be acknowledged that positive attributes of the audited road section have not been discussed. Deficiencies that do not cause a safety problem are also not listed.

In-line with Roads and Maritime Services' best practice recommendations have not been included in the road safety audit findings.

Table 4.2: Road Safety Audit Findings

Item No.	Location / Time Period	Descriptions of Findings	Design/ Photo	Likelihood	Severity	Risk Rating	Designer Response
1.	Victoria Road - Lilyfield Road	<p>Cyclists were seen arriving from Lilyfield Road to the entry point of the closed pedestrian bridge on Victoria Road and were unaware of the detour route or confused about where to travel to the Sydney CBD.</p> <p>One cyclist was observed riding across Victoria Road whilst traffic was approaching in both directions, which led to a near-miss incident.</p> <p>It is noted that this occurred at 6:20am which is before the time which the information officers were observed to be on-site. Information officers were observed located at both entry points to the overhead bridge.</p> <p>There is a risk of a cyclist being struck by a car while attempting to cross Victoria Road resulting in serious injury.</p>		Occasional	Major	High	<p>TRAFFIC CONTROL TO COMMENCE AT 5AM PRIOR TO INFORMATION OFFICERS COMMENCING FOR ONE WEEK FROM 09/03/20, AFTER WHICH REGULAR USERS WILL BE AWARE OF THE ALTERNATIVE EXISTING ROUTE.</p> <p>INSTALL ADDITIONAL SIGNAGE DO NOT CROSS VICTORIA ROAD, NO ACCESS TO ANZAC BRIDGE' AT THE TOP OF LILYFIELD ROAD FOR IRREGULAR USERS OF THE ROUTE</p>
2	Victoria Road - The Crescent signals	<p>Cyclists are ignoring "CYCLISTS DISMOUNT" signage at the signalised crossings on Victoria Road along the detour route. The crossing widths and kerb ramps are relatively narrow increasing the risk of a pedestrian being struck by a cyclist resulting in moderate injuries.</p>		Improbable	Moderate	Low	<p>NO ACTION REQUIRED. THIS IS DISCRETIONARY ON THE PART OF THE CYCLIST</p>



Item No.	Location / Time Period	Descriptions of Findings	Design/ Photo	Likelihood	Severity	Risk Rating	Designer Response
3	Victoria Road - Loughlin Street	<p>Construction fencing and fence-feet are protruding into the shared path, halving the pathway width which can cause conflicts for pedestrians and cyclists.</p> <p>It is noted that in the morning, cyclists are travelling downhill on Victoria Road. If travelling at speed, a cyclist-pedestrian collision could be severe.</p> <p>In addition, a pedal could catch on the fencing causing a cyclist to fall.</p>		Improbable	Moderate	Low	NO ACTION REQUIRED. NOT A JHCPB SITE, EXISTING CONDITION IRRESPECTIVE OF BRIDGE CLOSURE. REFERRED TO COUNCIL
4	Victoria Road - footpath west side between Quirk Street and Graham Street	<p>There is a lip in the pavement along the edge of the pathway. If a cyclist's wheel was to come off the edge of pathway, or run along the groove, this would be enough to unseat a cyclist. This is also a hazard for pedestrians with possibility for slips, trips or falls.</p>		Improbable	Minor	Low	CHAMFER EDGE WITH HOTMIX COMPLETED AND HATCHING EXTENDED.





Item No.	Location / Time Period	Descriptions of Findings	Design/ Photo	Likelihood	Severity	Risk Rating	Designer Response
5	Maney Street - west side	<p>A temporary kerb ramp is located within a 2P parking area. A parked vehicle could impede access to the kerb ramp and pathway.</p> <p>There is an increased risk of slips trips or falls as a result of poor provision of kerb ramps.</p>		Improbable	Minor	Low	NOTED. CARS WILL BE HIGHLY UNLIKELY TO PARK INFRONT OF THE RAMP AS THEY WILL BE >1M FROM THE KERB.
6	James Craig Road - north side	<p>The shared path pavement surface is in poor condition. The uneven surface could unseat a cyclist leading to injury.</p> <p>It is noted that the majority of cyclists were observed riding on the roadway instead of the shared path, which may be related to the pathway condition.</p>		Improbable	Moderate	Low	<p>NO ACTION REQUIRED.</p> <p>CYCLISTS RIDING ON THE ROADWAY WILL NOT BE A RESULT OF THIS AS THE DECISION POINT FOR USING THE ROADWAY INSTEAD OF THE PATHWAY IS SOME 400M IN ADVANCE OF THIS.</p>





Item No.	Location / Time Period	Descriptions of Findings	Design/ Photo	Likelihood	Severity	Risk Rating	Designer Response
7	Sommerville Road	<p>Most cyclists were observed riding on the roadway from James Craig Road to Sommerville Road rather than the shared path.</p> <p>The steep gradient eastbound will cause a large speed differential between vehicles and bicycles while the carriageway has been narrowed to allow for the shared path making it more difficult for trucks to pass safely.</p> <p>It was noted that Sommerville Road is frequently used by large trucks.</p> <p>There is a risk of cyclists being struck by a truck resulting in serious injury.</p>		Occasional	Major	High	<p>NO ACTION. LEGALLY PERMITTED.</p> <p>THE SPEED LIMIT HAS BEEN REDUCED TO 20KPH WITH ADDITIONAL ADVANCE WARNING SIGNAGE BEING INSTALLED.</p> <p>THERE IS SUFFICIENT SIGNAGE DIRECTING CYCLIST OF THE SHARED USER PATH AND TRAFFIC CONTROLLERS ARE PRESENT AT THIS LOCATION TO ADVISE</p>
8	Anzac Bridge - north point of route closure	<p>Fencing and fence-feet are projected into the cycle path reducing the width of the path which is already narrow. There is a risk of collisions between on-coming cyclists. In addition, the fence may be a snagging hazard for cyclist's pedals.</p>		Occasional	Moderate	Medium	<p>FENCE HAS BEEN RELOCATED TO BEHIND PLANTER BOX.</p> <p>FURTHER ADJUSTMENT OF THE FENCE ALIGNMENT TO BE UNDERTAKEN TO ENSURE EMERGENCY ACCESS PROVISION FROM THE EMERGENCY BAY TO ANZAC BRIDGE SUP.</p>





Item No.	Location / Time Period	Descriptions of Findings	Design/ Photo	Likelihood	Severity	Risk Rating	Designer Response
9	Shared path under Anzac Bridge	<p>The 'hairpin' bend under Anzac bridge requires cyclists to make tight turn. Cyclists were observed turning wide into the on-coming cycle path. There is a risk of collision between cyclists on the path resulting in injury.</p> <p>(It was noted that the proposed pavement marking has not been installed at this location.)</p>		Occasional	Moderate	Medium	<p>SLOW AREA HATCHING HAS BEEN MARKED AT THE HAIRPIN. OTHER CONTROLS ALREADY IN PLACE ARE WAYFINDING SIGNS AND SAFETY MIRROR.</p> <p>FURTHER RE-MARKING OF EXISTING LINES HAS ALSO BEEN UNDERTAKEN.</p>
10	Traffic island at intersection of the Crescent and Victoria Road	<p>The traffic island appeared to be crowded when used by cyclists in the morning peak period. There is a risk of cyclists queuing in the traffic lane and being struck by a vehicle as a result of not enough storage area available on the island.</p>		Occasional	Moderate	Medium	<p>ANALYSIS HAS BEEN COMPLETE BASED OF CYCLIST AND PEDESTRIAN COUNTS TO DEMONSTRATE COMPLIANCE TO APPLICABLE STANDARDS AND INCLUDED IN THE TMP.</p>



Item No.	Location / Time Period	Descriptions of Findings	Design/ Photo	Likelihood	Severity	Risk Rating	Designer Response
11	Bus Stop Victoria Road East Side near Loughlin Street	The stop relocated near Loughlin Street narrows the width of the shared path considerably and creates a hazard for cyclists. There is an increased risk of cyclists colliding with other cyclists or pedestrians. In addition there are 'U' bars located in close proximity creating additional hazards.		Occasional	Moderate	Medium	NO ACTION REQUIRED, MITIGATION MEASURES SUCH AS STANDARD SIGNAGE AND SLOW POINT HATCHING ALREADY IN PLACE
12	Bus Stop Victoria Road West Side south of Lilyfield Road	The bus stop located near Lilyfield Road significantly reduces the shared path width. There is an increased risk of cyclists colliding with other cyclists or pedestrians.		Occasional	Moderate	Medium	RELOCATION PROCESS HAS COMMENCED WITH IWC. STANDARD SLOW POINT MITIGATION MEASURES IN PLACE AS PER SCENARIOS THROUGHOUT SYDNEY



Item No.	Location / Time Period	Descriptions of Findings	Design/ Photo	Likelihood	Severity	Risk Rating	Designer Response
13	Shared path Victoria Road East side near Loughlin Street	Shared path has uneven surface with multiple cuts and level changes. There is a risk of slips, trips and falls as a result of the uneven surface.		Improbable	Minor	Low	NO ACTION REQUIRED. EXISTING CONDITION AT WHICH JHCPB HAS ALREADY UNDERTAKEN RECTIFICATION WORK, JHCPB WILL NOTIFY TELSTRA AND COUNCIL.
14	Victoria Road - footpath west side between Quirk Street and Graham Street	Tree roots impinging on the footpath creating a trip hazard and narrowing of the footpath		Improbable	Minor	Low	NO ACTION REQUIRED. EXISTING CONDITION. JHCPB HAVE MITIGATED BY ADDITIONAL ASPHALT TO THE AREA AND HAVE INFORMED COUNCIL.



5 Concluding Statement

The findings and opinions in the report are based on the examination of the specific road and environs, and might not address all concerns existing at the time of the audit.

The auditors have endeavoured to identify features of the road that could be modified in order to improve safety, although it must be recognised that safety cannot be guaranteed since no road can be regarded as absolutely safe.

While every effort has been made to ensure the accuracy of this report, it is made available strictly on the basis that anyone relying on it does so at their own risk without any liability to the Auditors|



Level 3 Lead Road Safety Auditor



Level 2 Road Safety Auditor





Appendix A

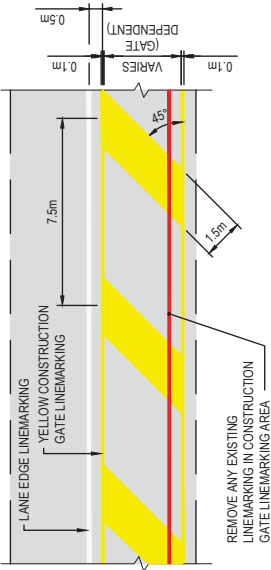
Design Drawings

RAISED REFLECTIVE PAVEMENT MARKERS

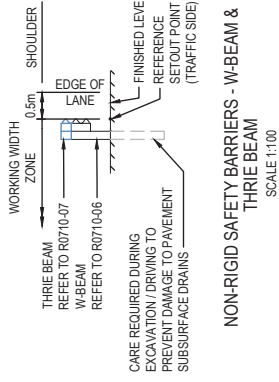
RRPMs TO BE PLACED ON ALL TEMPORARY LINES AT THE FOLLOWING SPACINGS UNLESS NOTED OTHERWISE:

E1/E2	24m SPACINGS ON INSIDE OF LINE DIRECTION OF TRAVEL	
E3	24m SPACINGS ON INSIDE OF LINE (YELLOW) DIRECTION OF TRAVEL	
E4	12m SPACINGS ON INSIDE OF LINE AS SHOWN YELLOW RRPMs RED RRPMs DIRECTION OF TRAVEL	
E5	12m SPACINGS ON OUTSIDE OF LINE (BIDIRECTIONAL YELLOW) DIRECTION OF TRAVEL	
L1	12m SPACINGS POSITIONED ON LINE AS SHOWN (WHITE) DIRECTION OF TRAVEL	
L3	12m SPACINGS POSITIONED BOTH SIDES OF THE LINE (WHITE) DIRECTION OF TRAVEL	
C1	8m SPACINGS POSITIONED ON LINE AS SHOWN (WHITE) DIRECTION OF TRAVEL	
T1	DEFINES TURNING PATHS AT COMPLEX INTERSECTIONS (WHITE) DIRECTION OF TRAVEL	
TF	STOP LINE (WHITE)	
TB	GIVE WAY (WHITE)	
PCW	PEDESTRIAN CROSS WALK LINES (WHITE)	

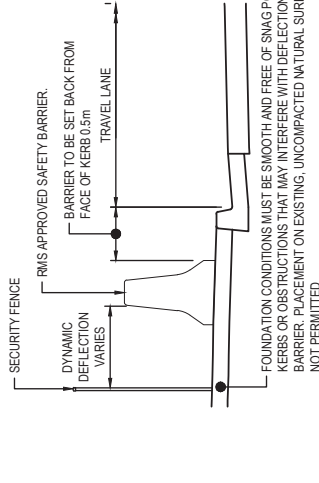
TAKEN FROM FIGURE 15:10 AND 15:11 OF SECTION 15 OF THE RMS DELINEATION MANUAL



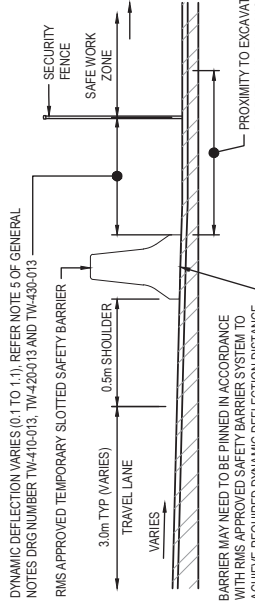
TYPICAL CONSTRUCTION GATE LINE MARKING DETAIL
SCALE 1:200



NON-RIGID SAFETY BARRIERS - W-BEAM & THRIE BEAM
SCALE 1:100

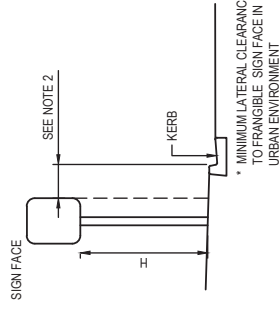


TYPICAL BARRIER PLACEMENT KERB
SCALE 1:50



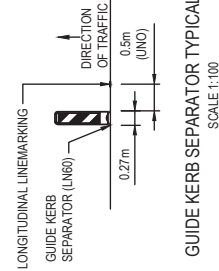
TYPICAL BARRIER AND SECURITY FENCE ARRANGEMENT ON PAVEMENT
SCALE 1:50

- NOTES:
- DEFLECTION DISTANCE VARIES DEPENDENT UPON RMS APPROVED SAFETY BARRIER INSTALLED
 - WORKS WITHIN DEFLECTION ZONE TO BE COMPLETED AT NIGHT UNDER TRAFFIC CONTROL. THE NIGHT WORK TRAFFIC STAGING WILL BE DOCUMENTED IN THE SITE TRAFFIC MANAGEMENT PLAN.

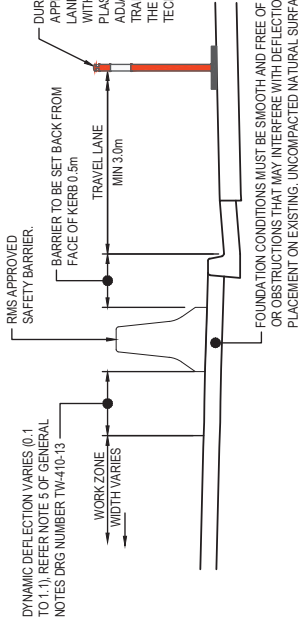


TYPICAL SIGN ARRANGEMENT FRANGIBLE SIGN
SCALE 1:100

- NOTES:
- THE MOUNTED HEIGHT FROM GROUND LEVEL TO THE UNDERSIDE OF SIGN IS TO BE A MINIMUM OF 1.5m IN LOCATIONS NOT NORMALLY ACCESSIBLE TO PEDESTRIANS AND 2.5m ELSEWHERE.
 - MINIMUM LATERAL CLEARANCE TO FRANGIBLE SIGN FACE IN URBAN ENVIRONMENT TO ADOPT IS 0.8m. IF THIS CREATES AN UNACCEPTABLE OBSTRUCTION TO FOOTPATH USE 0.5m.



GUIDE KERB SEPARATOR TYPICAL DETAIL
SCALE 1:100



TYPICAL BARRIER PLACEMENT BEHIND KERB WITH NIGHTWORKS ROAD CLOSURE FOR CONSTRUCTION WORKS
SCALE 1:50

- NOTES:
- TEMPORARY TYPICAL LAYOUT IS INDICATIVE AND FOR INFORMATION ONLY. THE NIGHT WORK TRAFFIC STAGING WILL BE DOCUMENTED IN THE SITE TRAFFIC MANAGEMENT PLAN.
 - TYPICAL DETAILS SHOWN FOR CONSTRUCTION STAGING ASSESSMENT ONLY AND TO BE MANAGED BY THE CONTRACTOR THROUGH THE SITE SPECIFIC APPROVED TRAFFIC MANAGEMENT PLAN
 - DEFLECTION DISTANCE VARIES DEPENDENT UPON RMS APPROVED SAFETY BARRIER INSTALLED

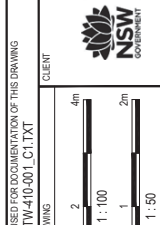
NOT FOR CONSTRUCTION

WESTCONNEX I/M / M5 LINK, CITY WEST LINK & VICTORIA ROAD
ROZELLE INTERCHANGE & WESTERN HARBOUR TUNNEL
TW - TRAFFIC STAGING - VICTORIA ROAD - STAGE 1
TYPICAL DETAILS
SHEET 11
PACKAGE NO. 3037 DOCUMENT NAME
70_11
RIC-WA-DRG-70-TW-410-021



DATE	NAME	DATE	NAME
15/10/2019	S.DAYAL	15/10/2019	Dayal, Sudesh
15/10/2019	SPARNELL	15/10/2019	
15/10/2019	K.LIN	15/10/2019	
15/10/2019	C.MUNDY	15/10/2019	
15/10/2019	V.URGAND	15/10/2019	
15/10/2019	G.RIORDAN	15/10/2019	

DESIGN MODEL FILES USED FOR DOCUMENTATION OF THIS DRAWING
RIC-WA-MOD-70-TW-410-001_C11.XT
CLIENT
TRANSPORT ROADS & MARITIME SERVICES
NSW GOVERNMENT



COORDINATE SYSTEM	SCALE ON A3 SIZE DRAWING
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AHD	0 1 2m
DESIGN PHASE	1:50
FDD	
FINAL DESIGN DOCUMENTATION	

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C	15/10/2019	ISSUED FOR R30 CIR	VU
C	15/10/2019	ISSUED FOR R30	VU

REV	DATE	REVISION DESCRIPTION
A		NOT ISSUED
B		NOT ISSUED
C	15/10/2019	ISSUED FOR RFD

APPROVAL	COORDINATE SYSTEM
VU	MGA ZONE 56
VU	HEIGHT DATUM
VU	AHD
VU	DESIGN PHASE
VU	FDD
VU	FINAL DESIGN DOCUMENTATION

DESIGN MODEL FILES USED FOR DOCUMENTATION OF THIS DRAWING	CLIENT
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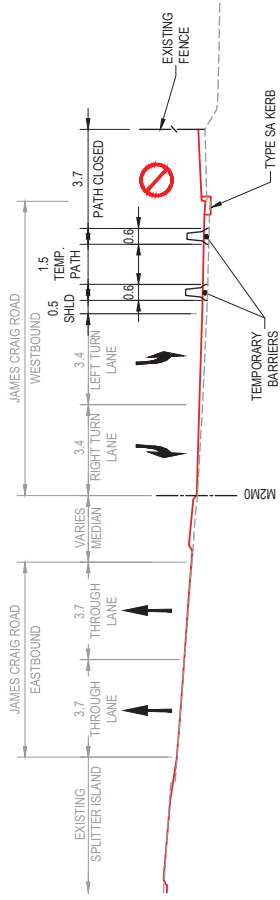
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DRG CHECK	S.PARNELL	15/10/2019
DESIGN	K.LIN	15/10/2019
DESIGN CHECK	C.MUNDY	15/10/2019
DESIGN INGR	V.LURGANO	15/10/2019
PROJECT INGR	G.RIORDAN	15/10/2019

WestConnex
Rozelle Interchange

JOHN HOLLAND
ARCADIS
HASSELL
Ridley

WESTCONNEX M4 / M5 LINK, CITY WEST LINK & VICTORIA ROAD
ROZELLE INTERCHANGE & WESTERN HARBOUR TUNNEL
TW - TRAFFIC STAGING - VICTORIA ROAD - STAGE 1
TYPICAL CROSS SECTION
SHEET 1
PROCESS NO. J237 DOCUMENT NAME
70_11
REV C

NOT FOR CONSTRUCTION



SECTION 1
1:200
(1/15/2019)

JAMES CRAIG ROAD 70-TW-410
CONTROL LINE M2M0 - APPROX. STN. 35

LEGEND

	DESIGN SURFACE
	STAGE 2 DESIGN SURFACE
	REFER DESIGN LOT 70-TW-620
	TEMPORARY WORKS DESIGN SURFACE
	REFER DESIGN LOT 70-TW-003
	PERMANENT WORKS DESIGN SURFACE
	REFER DESIGN LOT 20-RD-000
	EXISTING SURFACE (STAGE 1 SURFACE)

LEGEND

- SURFACE WORKS BOUNDARY
- TEMPORARY WORKS AREA BOUNDARY
- CANALSIDE BOUNDARY
- TEMPORARY SAFETY BARRIER
- TEMPORARY CONSTRUCTION BARRIER WITH ANTI-GAWK SCREEN
- DELINEATION BETWEEN CONSTRUCTION AREA AND TRAFFICKED AREA (EXISTING BARRIER OR FENCE)
- TEMPORARY NOISEWALL (DESIGN BY OTHERS)
- REFER DESIGN LOT 70-TW-103
- TEMPORARY GUIDE KERB SEPARATOR
- TEMPORARY SAFETY BARRIER (H BEAM)
- RMS APPROVED CRASH CUSHION
- RETAINING WALL (DESIGN BY OTHERS)
- REFER DESIGN LOT 70-TW-102
- RMS APPROVED TEMPORARY PEDESTRIAN FENCE (OPERATIONAL)
- TEMPORARY AND PERMANENT LINE MARKING
- TEMPORARY WORKS DESIGN (UNDER CONSTRUCTION), REFER DESIGN LOT 70-TW-420
- EXISTING LINE MARKING
- TEMPORARY WORK (DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-100, 70-TW-101, 70-TW-102 & 70-TW-103
- SHARED USER PATH ROUTE
- TRAFFIC SIGNAL POST
- EXISTING TRAFFIC SIGNAL POST
- GENERAL TRAFFIC DIRECTION
- CONSTRUCTION TRAFFIC
- PAVEMENT LINE MARKING TAG
- SIGN POST LOCATION
- EXISTING SIGN POST TO BE RETAINED
- STAGE 1 WORK ZONE AREA
- TEMPORARY ROAD WORK SIGN
- TEMPORARY SIGN
- EXISTING SIGN TO REMAIN (GREEN DASH - RELOCATE SIGN)
- SIGN TO BE REMOVED

NOTES

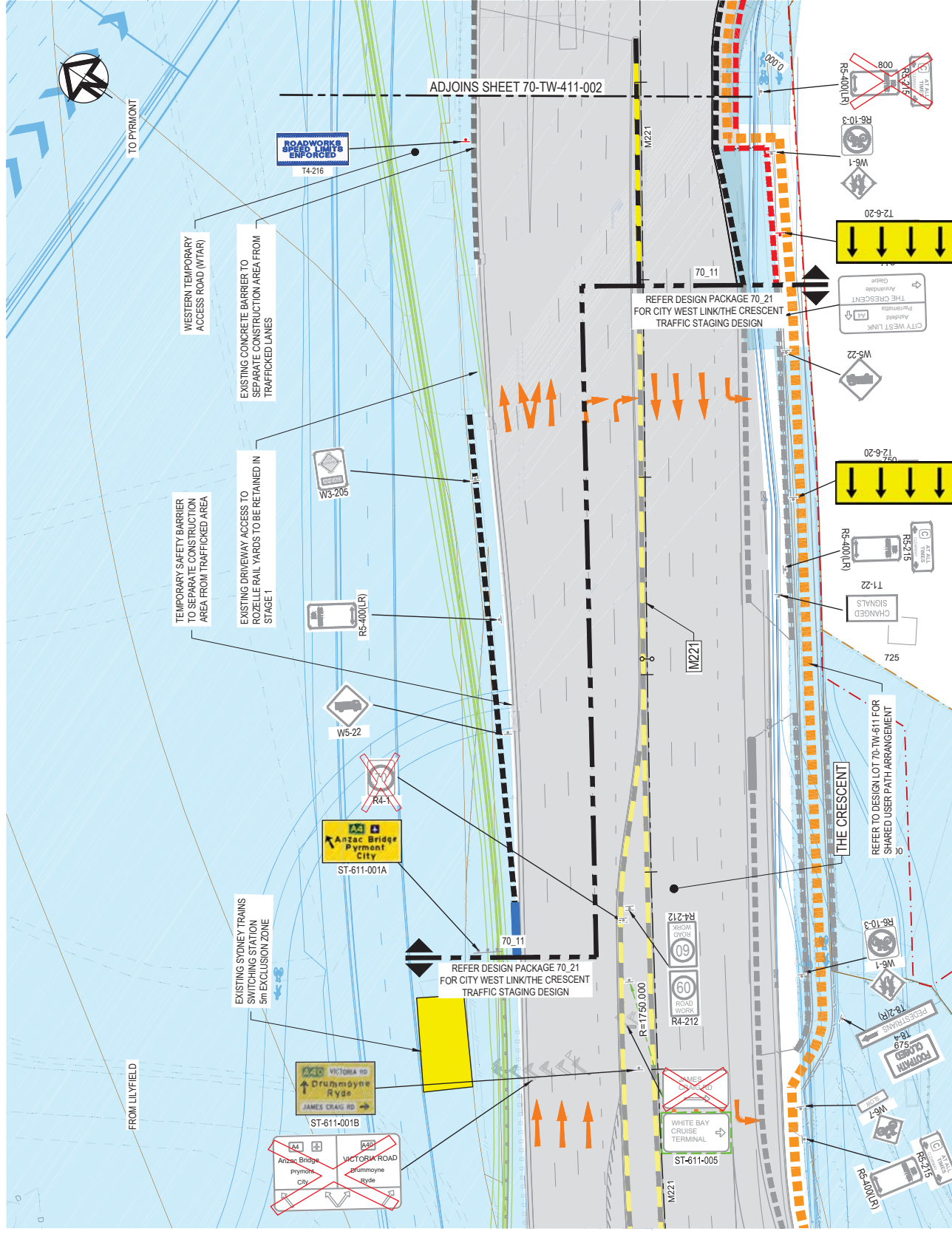
- SIGNAGE SHOWN IS FOR INFORMATION ONLY. SIGNAGE DOCUMENTATION AND APPROVAL IS FORMALLY CONTAINED WITHIN THE TRAFFIC MANAGEMENT PLAN (TMP) PROCESS. ANY DISCREPANCY OR CHANGES TO SIGNAGE THROUGH THE TMP PROCESS SUPERSEDES SIGNAGE SHOWN ON PLANS.
- TRAFFIC CONTROL, SIGNALS AND ASSOCIATED ROAD FURNITURE INCLUDED FOR INFORMATION AND COORDINATION PURPOSES. REFER TO TCS3033 AND TCS5851 FOR APPROVED PLANS AND DETAILS.

KEY PLAN



NOT FOR CONSTRUCTION

WESTCONNEX M4 / M5 LINK, CITY WEST LINK & VICTORIA ROAD
 ROZELLE INTERCHANGE & WESTERN HARBOUR TUNNEL
 TW - TRAFFIC STAGING - VICTORIA ROAD - STAGE 1
 ROAD ALIGNMENT AND ROAD FURNITURE PLAN
 SHEET 11
 PROJECT NO. J337 DOCUMENT NAME
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C	17/09/2019	ISSUED FOR RFD OR	VU
C	15/10/2019	ISSUED FOR RFD	VU

CLIENT	NSW GOVERNMENT
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DESIGN MGR	V. LURIGANO
DESIGN CHECK	C. MUNDY
DESIGN	T. OWENS
DRG CHECK	S. PARNELL
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NAME	S. DAYAL
DATE	15/10/2019
NAME	D. DALY
DATE	15/10/2019
NAME	D. DALY
DATE	15/10/2019

DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING
 SCALES ON A3 SIZE DRAWING

0 10 20m
 1:500

COORDINATE SYSTEM
 MGA ZONE 56

HEIGHT DATUM
 AHD

DESIGN PHASE
 FDD

FINAL DESIGN DOCUMENTATION

WestConnex
 Rozelle interchange
 JOHN SPARNELL
 HOLLAND
 ARCADIS
 HASSELL
 ROLLEY

Transport Roads & Maritime Services
 NSW GOVERNMENT

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

LEGEND

- SURFACE WORKS BOUNDARY
- TEMPORARY WORKS AREA BOUNDARY
- CANALSIDE BOUNDARY
- TEMPORARY SAFETY BARRIER
- TEMPORARY CONSTRUCTION BARRIER WITH ANTI-GAWK SCREEN
- DELINEATION BETWEEN CONSTRUCTION AREA AND TRAFFICKED AREA (EXISTING BARRIER OR FENCE)
- TEMPORARY NOISE WALL (DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-103
- TEMPORARY GUIDE KERB SEPARATOR
- TEMPORARY SAFETY BARRIER (H BEAM)
- RMS APPROVED CRASH CUSHION
- RETAINING WALL (DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-102
- RMS APPROVED TEMPORARY PEDESTRIAN FENCE OPERATIONAL
- TEMPORARY AND PERMANENT LINEMARKING
- TEMPORARY WORKS DESIGN (UNDER CONSTRUCTION), REFER DESIGN LOT 70-TW-420
- EXISTING LINEMARKING
- TEMPORARY WORK DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-100, 70-TW-101, 70-TW-102 & 70-TW-103
- SHARED USER PATH ROUTE
- TRAFFIC SIGNAL POST
- EXISTING TRAFFIC SIGNAL POST
- GENERAL TRAFFIC DIRECTION
- CONSTRUCTION TRAFFIC
- PAVEMENT LINEMARKING TAG
- SIGN POST LOCATION
- EXISTING SIGN POST TO BE RETAINED
- STAGE 1 WORK ZONE AREA
- TEMPORARY ROAD WORK SIGN
- TEMPORARY SIGN
- EXISTING SIGN TO REMAIN (GREEN DASH - RELOCATE SIGN)
- SIGN TO BE REMOVED

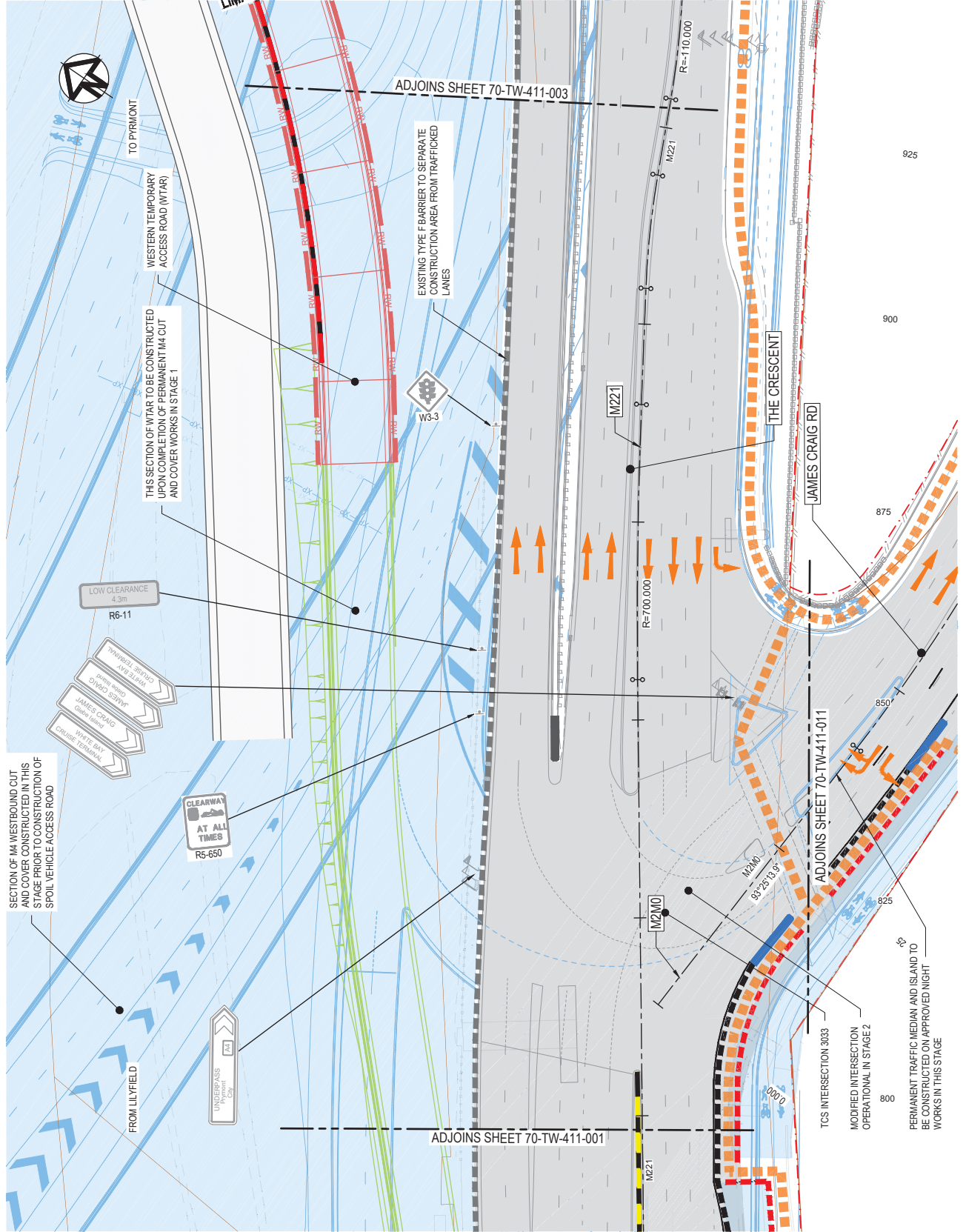
NOTES

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NOT FOR CONSTRUCTION

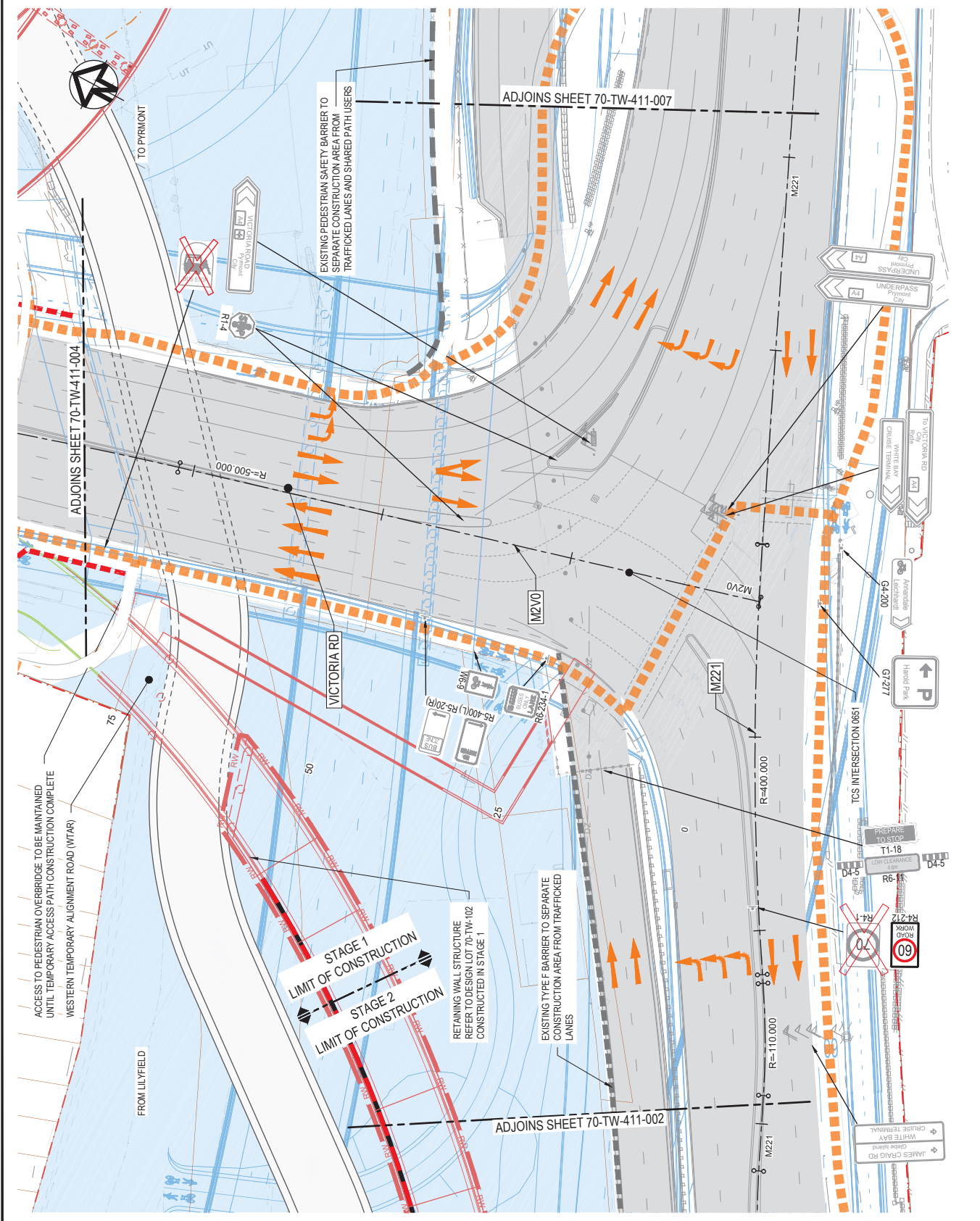
WESTCONNEX M4 / M5 LINK, CITY WEST LINK, CITY WEST ROAD
ROZELLE INTERCHANGE & WESTERN HARBOUR TUNNEL
 TW - TRAFFIC STAGING - VICTORIA ROAD - STAGE 1
 ROAD ALIGNMENT AND ROAD FURNITURE PLAN
 SHEET 2
 70_11
 RIC-WA-DRG-70-TW-411-002
 REV C



DRAWING FILE LOCATION / NAME		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING		CLIENT		DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING	
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B1	24/06/2019	ISSUED FOR SDD CIR	HEIGHT DATUM	1:500	NSW GOVERNMENT	RIC-WA-MOD-70-TW-411-001_C11.XT	RIC-WA-MOD-70-TW-411-001_C11.XT
B	24/06/2019	ISSUED FOR SDD	AHD	1:500	NSW GOVERNMENT	RIC-WA-MOD-70-TW-411-001_C11.XT	RIC-WA-MOD-70-TW-411-001_C11.XT
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C	15/10/2019	ISSUED FOR RFD	FDD	1:500	NSW GOVERNMENT	RIC-WA-MOD-70-TW-411-001_C11.XT	RIC-WA-MOD-70-TW-411-001_C11.XT
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PLANT DATE / TIME	NAME	DATE
10/15/2019 9:18:09 PM	S DAYAL	15/10/2019
	SPARNELL	15/10/2019
	T OWENS	15/10/2019
	C MUNDY	15/10/2019
	V JURGANO	15/10/2019
	G RIGORDAN	15/10/2019

WestConnex
 Rozelle interchange
 JOHN SPARNELL
 HOLLAND
 ARCADIS
 HASSELL
 RIDLEY



LEGEND

	SURFACE WORKS BOUNDARY
	TEMPORARY WORKS AREA BOUNDARY
	CANAL BOUNDARY
	TEMPORARY SAFETY BARRIER
	TEMPORARY CONSTRUCTION BARRIER WITH ANTI-GAWK SCREEN
	DELIMITATION BETWEEN CONSTRUCTION AREA AND TRAFFICKED AREA (EXISTING BARRIER OR FENCE)
	TEMPORARY NOISE WALL (DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-103
	TEMPORARY GUIDE KERB SEPARATOR
	TEMPORARY SAFETY BARRIER (M BEAM)
	RMS APPROVED CRASH CUSHION RETAINING WALL (DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-102
	RMS APPROVED TEMPORARY PEDESTRIAN FENCE (OPERATIONAL AND PERMANENT LINE MARKING)
	TEMPORARY WORKS DESIGN (UNDER CONSTRUCTION), REFER DESIGN LOT 70-TW-420
	EXISTING LINE MARKING
	TEMPORARY WORK DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-100, 70-TW-101, 70-TW-102 & 70-TW-103
	SHARED USER PATH ROUTE
	TRAFFIC SIGNAL POST
	EXISTING TRAFFIC SIGNAL POST
	GENERAL TRAFFIC DIRECTION
	CONSTRUCTION TRAFFIC
	PAVEMENT LINE MARKING TAG
	SIGN POST LOCATION
	EXISTING SIGN POST TO BE RETAINED
	STAGE 1 WORK ZONE AREA
	TEMPORARY SIGN
	SIGN TO BE REMOVED
	EXISTING SIGN TO REMAIN (GREEN DASH - RELOCATE SIGN)

NOTES

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NOT FOR CONSTRUCTION

WESTCONNEX / M5 LINK, CITY WEST LINK & VICTORIA ROAD	
ROZELLE INTERCHANGE & WESTERN HARBOUR TUNNEL	
TW - TRAFFIC STAGING - VICTORIA ROAD - STAGE 1	
ROAD ALIGNMENT AND ROAD FURNITURE PLAN	
SHEET 3	REV C
PROCESS NO. 70_11	RIC-WA-DRG-70-TW-411-003

WestConnex	CPB
Rozelle Interchange	HOLLAND
JOHN SPARNELL	ARCADIS
T. OWENS	HASSSELL
C. MUNDY	Ridley
V. JURGANO	

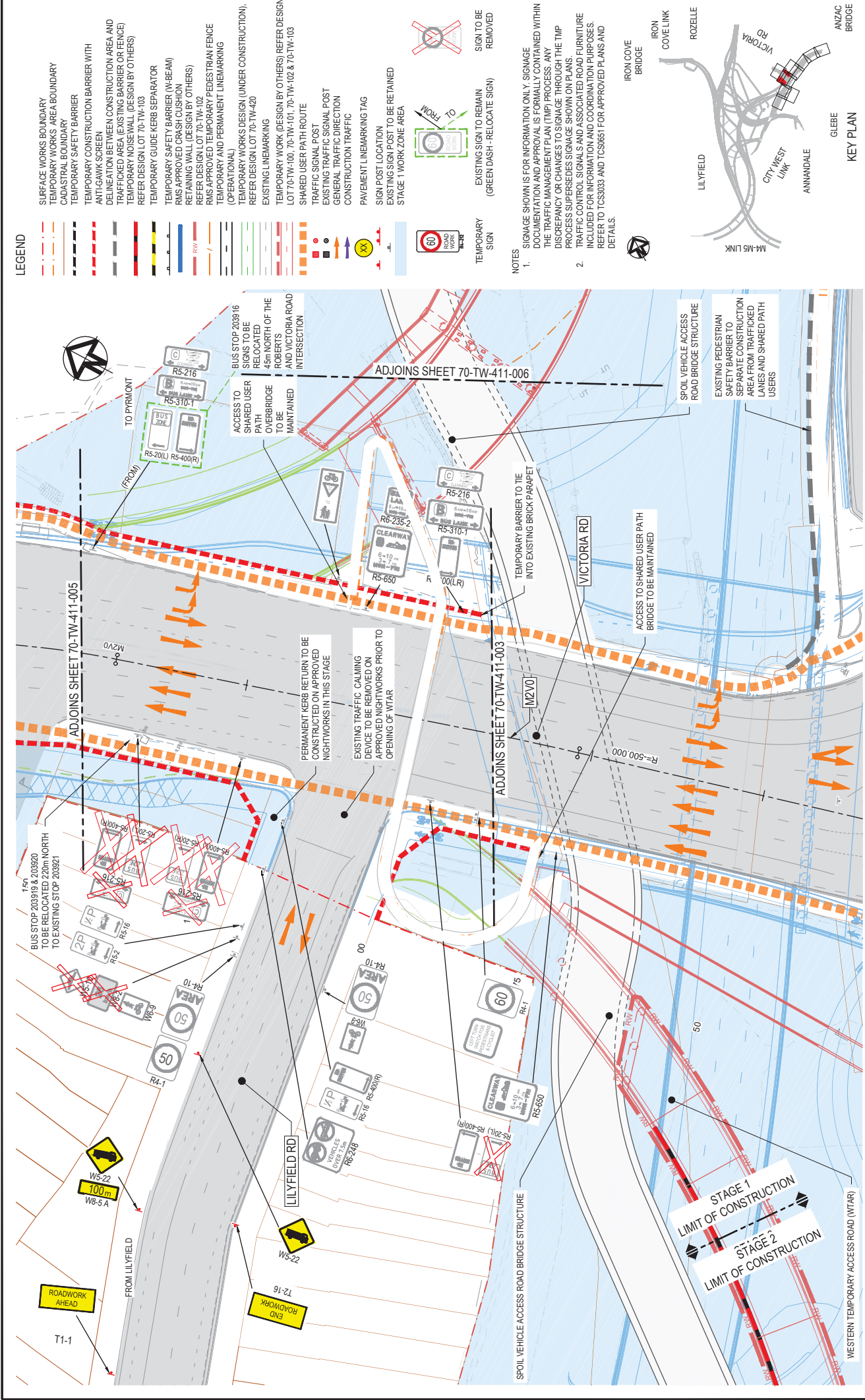
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DRG CHECK	DATE
DESIGN	DATE
DESIGN CHECK	DATE
DESIGN MGR	DATE
PROJECT MGR	DATE

DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING	CLIENT
SCALES ON A3 SIZE DRAWING	SCALE
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10	20m
1:500	

COORDINATE SYSTEM	MGA ZONE 56
HEIGHT DATUM	AHD
DESIGN PHASE	FDD
FINAL DESIGN DOCUMENTATION	

REVISION DESCRIPTION	DATE
ISSUED FOR SDD CIR	20/06/2019
ISSUED FOR SDD	24/06/2019
ISSUED FOR RD CIR	17/09/2019
ISSUED FOR RD	15/10/2019

DRAWING FILE LOCATION / NAME: C:\PROJECT\WISER\CMS\66069\RIC-WA-DRG-70-TW-411-003.DWG



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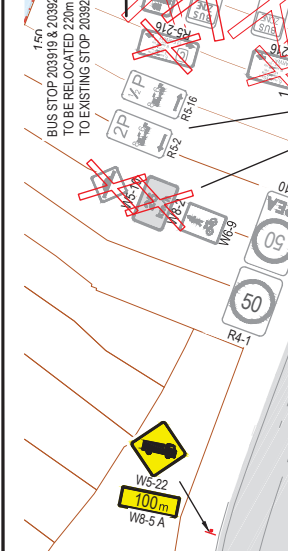
	SURFACE WORKS BOUNDARY
	TEMPORARY WORKS AREA BOUNDARY
	CASTAL BOUNDARY
	TEMPORARY SAFETY BARRIER
	TEMPORARY CONSTRUCTION BARRIER WITH ANTI-GAWK SCREEN
	DELINEATION BETWEEN CONSTRUCTION AREA AND TRAFFICKED AREA (EXISTING BARRIER OR FENCE)
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	TEMPORARY GUIDE KERB SEPARATOR
	TEMPORARY SAFETY BARRIER (H BEAM)
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	RETAINING WALL (DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-102
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	EXISTING LINE MARKING
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	SHARED USER PATH ROUTE
	EXISTING TRAFFIC SIGNAL POST
	GENERAL TRAFFIC DIRECTION
	PAVEMENT LINE MARKING TAG
	SIGN POST LOCATION
	EXISTING SIGN POST TO BE RETAINED
	STAGE 1 WORK ZONE AREA

TEMPORARY SIGN

	ROAD WORK AHEAD (60)
	60
	60 TO BE REMOVED
	EXISTING SIGN TO REMAIN (GREEN DASH - RELOCATE SIGN)

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KEY PLAN

IRON COVE BRIDGE
COVE LINK
ROZELLE
ANNANDALE
CITY WEST LINK
LILYFIELD
VICTORIA RD
ANZAC BRIDGE
GLEBE

APPROVAL

REV	DATE	REVISION DESCRIPTION
A	20/06/2019	NOT ISSUED
B1	24/06/2019	ISSUED FOR SDD CIR
B	24/06/2019	ISSUED FOR SDD
C1	17/09/2019	ISSUED FOR RFD CIR
C	15/10/2019	ISSUED FOR RFD

COORDINATE SYSTEM

MGA ZONE 56
HEIGHT DATUM
AHD
DESIGN PHASE
FDD
FINAL DESIGN DOCUMENTATION

DESIGN MODEL FILES USED FOR DOCUMENTATION OF THIS DRAWING

FILE NAME	DATE	PLLOT BY
RIC-WA-MOD-70-TW-411-001_C1.TXT	10/15/2019 9:19:32 PM	Doyal, Sudesh

CLIENT

NSW GOVERNMENT
Transport Roads & Maritime Services

SCALES ON A3 SIZE DRAWING

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1:500		

DESIGN MODEL FILES USED FOR DOCUMENTATION OF THIS DRAWING

FILE NAME	DATE	PLLOT BY
RIC-WA-MOD-70-TW-411-001_C1.TXT	10/15/2019 9:19:32 PM	Doyal, Sudesh

PROJECT INFORMATION

PROJECT NAME	WESTCONEX MM / M5 LINK, CITY WEST LINK & VICTORIA ROAD
PROJECT NO.	70_11
PROJECT NAME	ROZELLE INTERCHANGE & WESTERN VICTORIA TUNNEL
PROJECT NO.	70_11
PROJECT NAME	TW - TRAFFIC STAGING - VICTORIA ROAD - STAGE 1
PROJECT NO.	70_11
PROJECT NAME	ROAD ALIGNMENT AND ROAD FURNITURE PLAN
PROJECT NO.	70_11

WESTCONEX MM / M5 LINK, CITY WEST LINK & VICTORIA ROAD

ROZELLE INTERCHANGE & WESTERN VICTORIA TUNNEL

TW - TRAFFIC STAGING - VICTORIA ROAD - STAGE 1

ROAD ALIGNMENT AND ROAD FURNITURE PLAN

SHEET 4

PROCESS NO. 70_11

PROJECT NAME RIC-WA-DRG-70-TW-411-004

REV C

NOT FOR CONSTRUCTION

WestConnex
Rozelle interchange

JOHN SPARNELL
HOLLAND

CPB
ARCADIS

HASSSELL
Ridley

REV	DATE	REVISION DESCRIPTION
A	20/06/2019	NOT ISSUED
B1	20/06/2019	ISSUED FOR SDD CIR
B	24/06/2019	ISSUED FOR SDD
C1	17/09/2019	ISSUED FOR PDD CIR
C	15/10/2019	ISSUED FOR PDD

APPROVAL	COORDINATE SYSTEM
VU	MGA ZONE 56
VU	HEIGHT DATUM
VU	AHD
VU	DESIGN PHASE
VU	FDD
VU	FINAL DESIGN DOCUMENTATION

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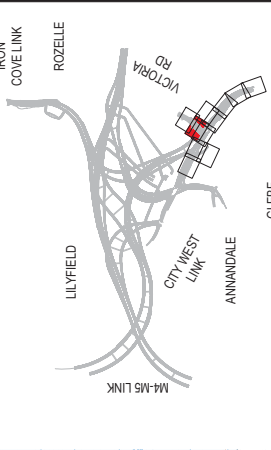
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DRG CHECK	S.PARNELL	15/10/2019	
DESIGN	T.OWENS	15/10/2019	
DESIGN CHECK	C.MUNDY	15/10/2019	
DESIGN INGR	V.LURGANO	15/10/2019	
PROJECT INGR	G.RIORDAN	15/10/2019	

WESTCONNEX M4 M5 LINK, CITY WEST LINK & VICTORIA ROAD
ROZELLE INTERCHANGE & WESTERN VICTORIA TUNNEL
 TW - TRAFFIC STAGING - VICTORIA ROAD - STAGE 1
 ROAD ALIGNMENT AND ROAD FURNITURE PLAN
 SHEET 4
 PROCESS NO: J037 DOCUMENT NAME: RIC-WA-DRG-70-TW-411-004
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NOT FOR CONSTRUCTION

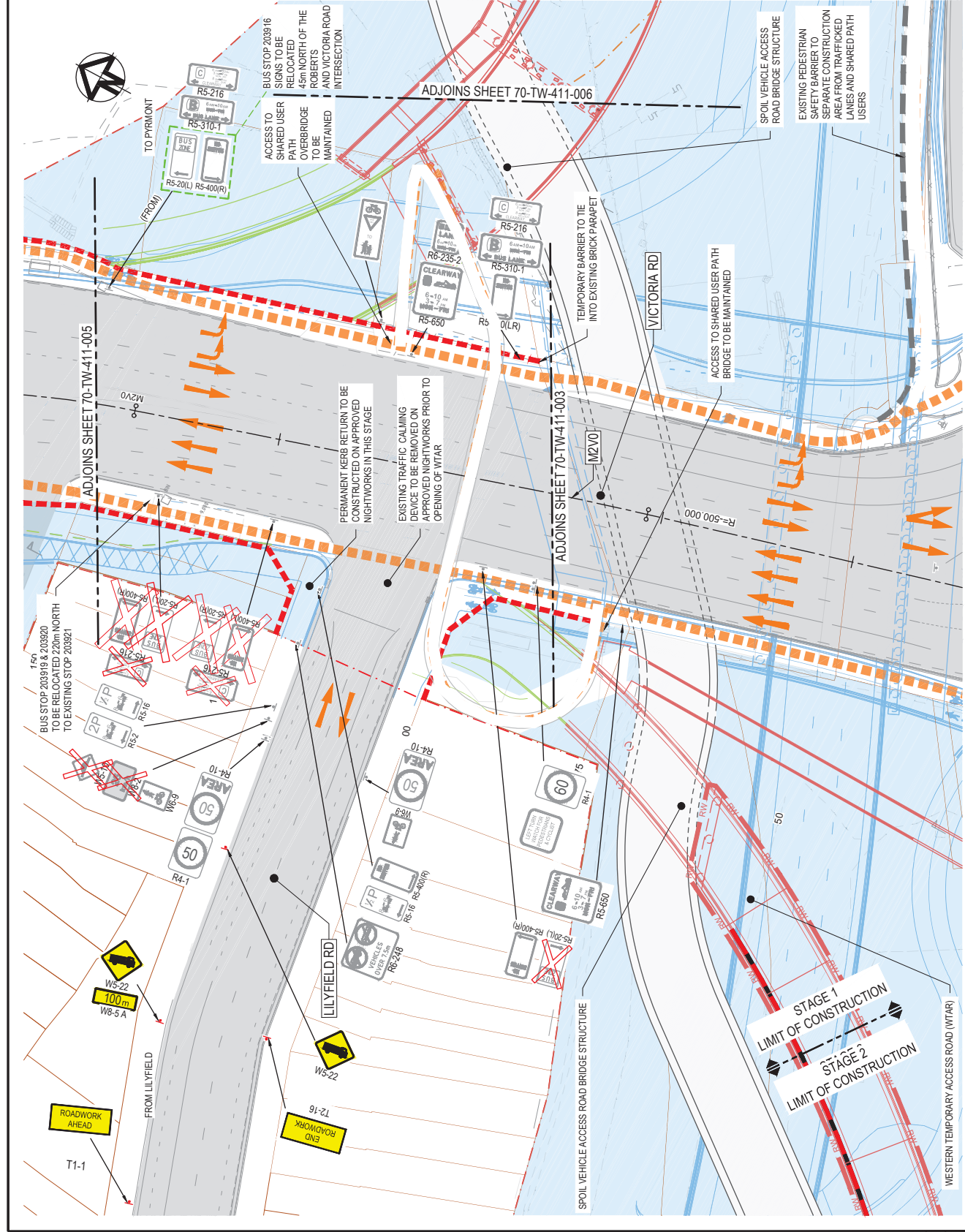
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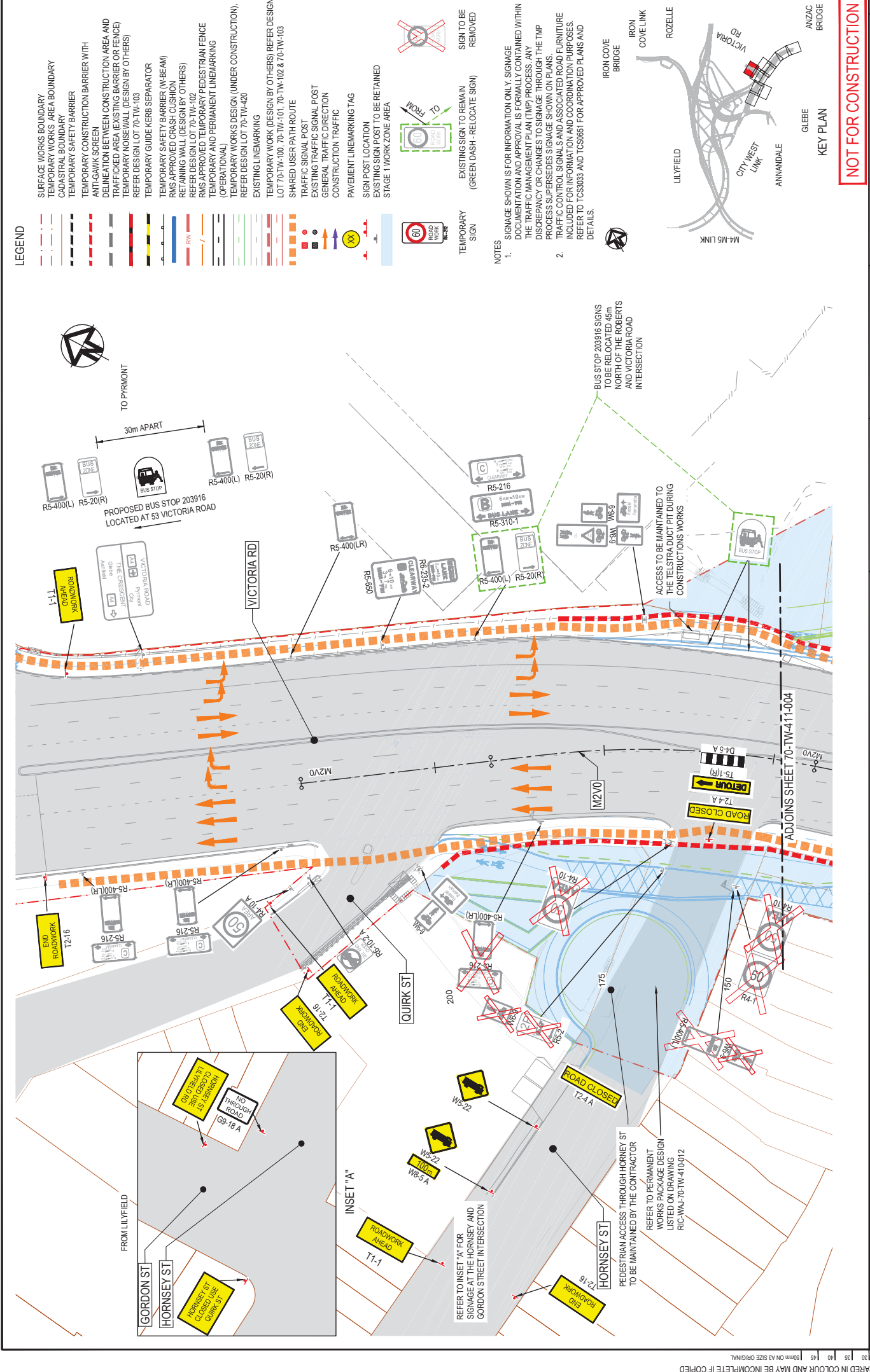


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LEGEND

- SURFACE WORKS BOUNDARY
- TEMPORARY WORKS AREA BOUNDARY
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- EXISTING LINE MARKING
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- EXISTING TRAFFIC SIGNAL POST
- GENERAL TRAFFIC DIRECTION
- CONSTRUCTION TRAFFIC
- PAVEMENT LINE MARKING TAG
- SIGN POST LOCATION
- EXISTING SIGN POST TO BE RETAINED
- STAGE 1 WORK ZONE AREA
- TEMPORARY SIGN (GREEN DASH - RELOCATE SIGN)
- EXISTING SIGN TO REMAIN
- SIGN TO BE REMOVED



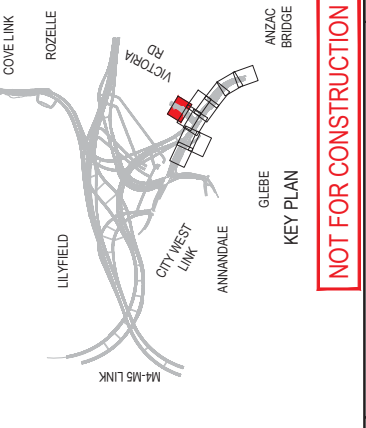


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- SURFACE WORKS BOUNDARY
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- CADASTRAL BOUNDARY
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- TEMPORARY AND PERMANENT LINEMARKING
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NOT FOR CONSTRUCTION

WestConnex
 Rozelle interchange
 JOHN SPARNELL
 HOLLAND
 ARCADIS
 HASSELL
 RIDLEY

FILE NAME	DATE
S/DAYAL	15/10/2019
SPARNELL	15/10/2019
T.OWENS	15/10/2019
C.MUNDY	15/10/2019
V.LURGANO	15/10/2019
G.RIORDAN	15/10/2019

Transport
 Roads & Maritime
 Services
 NSW GOVERNMENT

DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING	CLIENT
RIC-WA-MOD-70-TW-411-001_C1.TXT <td></td>	

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B	24/06/2019	ISSUED FOR SDD CR	VU
C	17/06/2019	ISSUED FOR RFD CR	VU
C	15/10/2019	ISSUED FOR RFD	VU

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

REV	DATE	REVISION DESCRIPTION
A	29/06/2019	NOT ISSUED
B1	29/06/2019	ISSUED FOR SDD CIR
B	24/06/2019	ISSUED FOR SDD
C	17/06/2019	ISSUED FOR RFD CIR
C	15/10/2019	ISSUED FOR RFD

APPROVAL	COORDINATE SYSTEM
VU	MGA ZONE 56
VU	HEIGHT DATUM
VU	AHD
VU	DESIGN PHASE
VU	FDD
VU	FINAL DESIGN DOCUMENTATION

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SCALES ON A3 SIZE DRAWING	NSW GOVERNMENT
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1:500	

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DESIGN INGR	V. JURGANO	15/10/2019
PROJECT MGR	G. RYDAN	15/10/2019

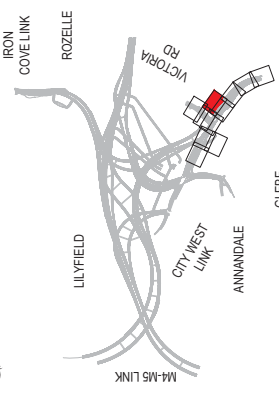
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DESIGN CHECK	C. MUNDY	15/10/2019
DESIGN INGR	V. JURGANO	15/10/2019
PROJECT MGR	G. RYDAN	15/10/2019

WestConnex	Rozelle Interchange
JOHN SPARNELL	CPB
HOLLAND	ARCADIS
HASSSELL	Ridley

WESTCONNEX WA / M5 LINK, CITY WEST LINK & VICTORIA ROAD	A3
ROZELLE INTERCHANGE & WESTERN HARBOUR TUNNEL	
TW - TRAFFIC STAGING - VICTORIA ROAD - STAGE 1	
ROAD ALIGNMENT AND ROAD FURNITURE PLAN	
SHEET 6	
PROCESS NO. JCB DOCUMENT NAME	REC-WA-DRG-70-TW-411-006
REV	C

NOT FOR CONSTRUCTION

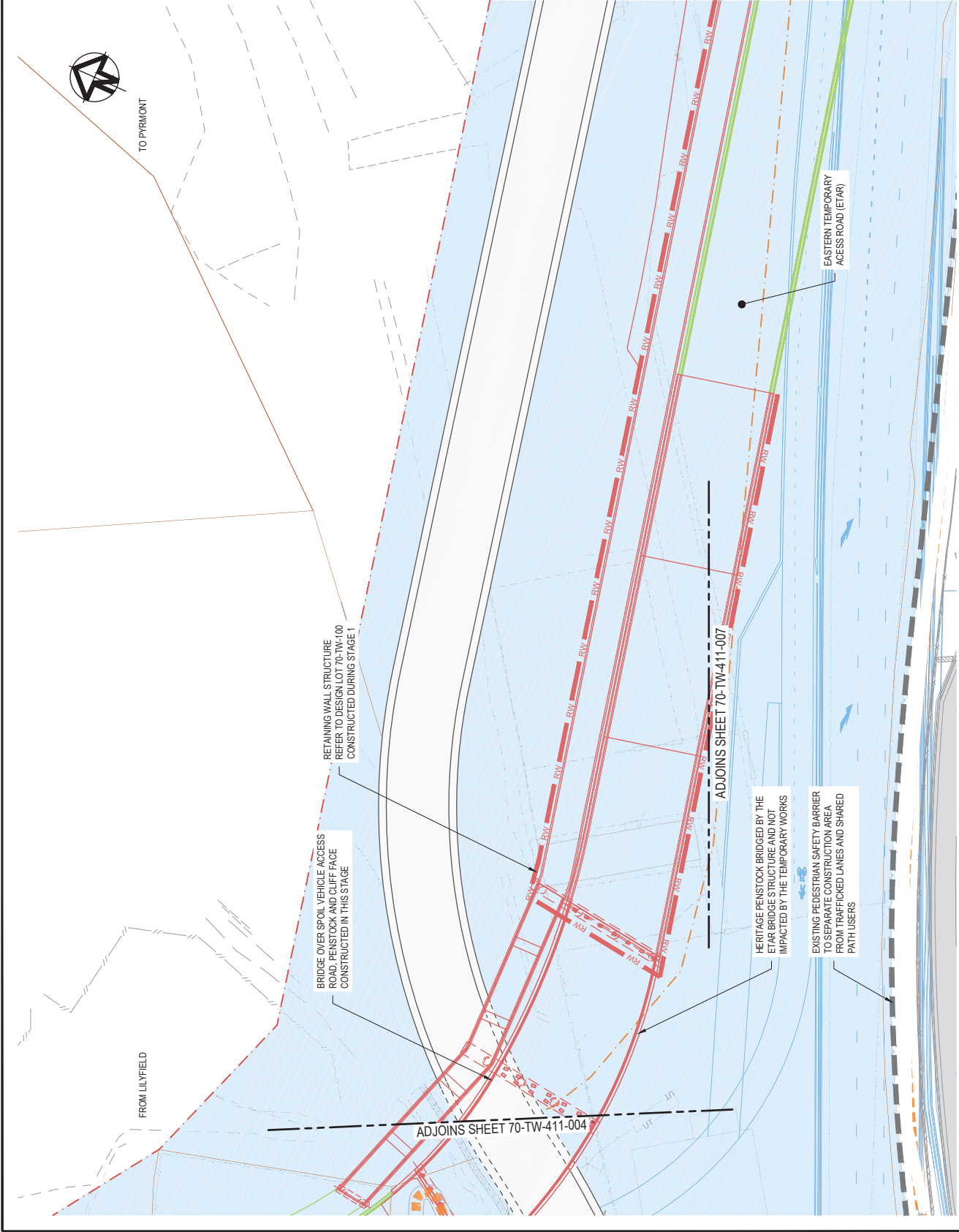
KEY PLAN



- NOTES**
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- LEGEND**
- SURFACE WORKS BOUNDARY
 - TEMPORARY WORKS AREA BOUNDARY
 - CANALS BOUNDARY
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 - CONSTRUCTION TRAFFIC
 - PAVEMENT LINE MARKING TAG
 - SIGN POST LOCATION
 - EXISTING SIGN POST TO BE RETAINED
 - STAGE 1 WORK ZONE AREA
 - ROAD WORK
 - TEMPORARY SIGN
 - EXISTING SIGN TO REMAIN (GREEN DASH - RELOCATE SIGN)
 - SIGN TO BE REMOVED



TO PYRMONT

FROM LILYFIELD

ADJOINS SHEET 70-TW-411-004

ADJOINS SHEET 70-TW-411-007

BRIDGE OVER SPOIL VEHICLE ACCESS ROAD, PENSTOCK AND CLIFF FACE CONSTRUCTED IN THIS STAGE

HERITAGE PENSTOCK BRIDGED BY THE ETAR BRIDGE STRUCTURE AND NOT IMPACTED BY THE TEMPORARY WORKS

EXISTING PEDESTRIAN SAFETY BARRIER TO SEPARATE CONSTRUCTION AREA FROM TRAFFICKED LANES AND SHARED PATH USERS

EASTERN TEMPORARY ACCESS ROAD (ETAR)

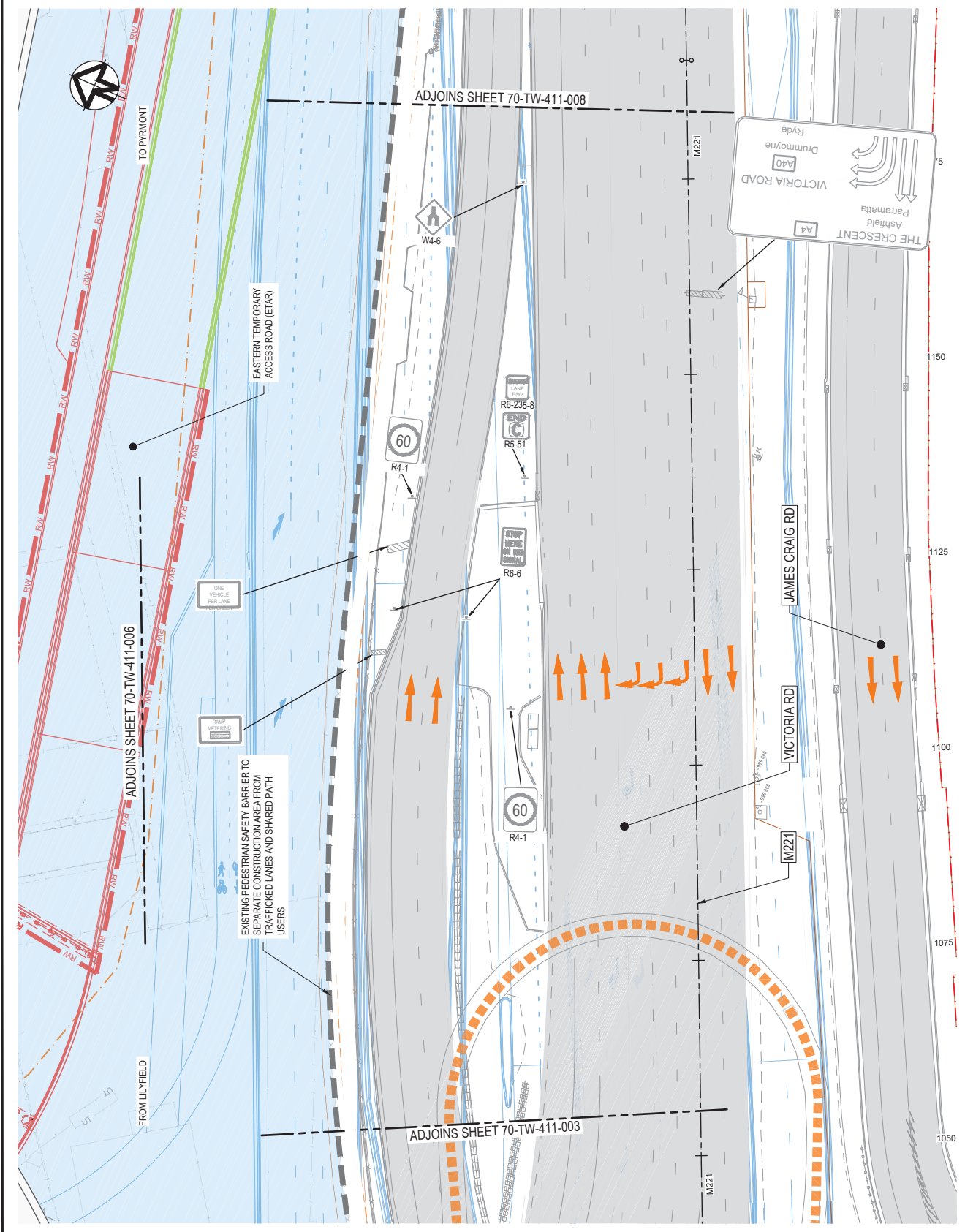
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[Symbol]	SURFACE WORKS BOUNDARY
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[Symbol]	TEMPORARY CONSTRUCTION BARRIER WITH ANTI-GAWK SCREEN
[Symbol]	DELIMITATION BETWEEN CONSTRUCTION AREA AND TRAFFICKED AREA (EXISTING BARRIER OR FENCE)
[Symbol]	TEMPORARY NOISEWALL (DESIGN BY OTHERS)
[Symbol]	REFER DESIGN LOT 70-TW-103
[Symbol]	TEMPORARY GUIDE KERB SEPARATOR
[Symbol]	TEMPORARY SAFETY BARRIER (H BEAM)
[Symbol]	RMS APPROVED CRASH CUSHION
[Symbol]	RETAINING WALL (DESIGN BY OTHERS)
[Symbol]	REFER DESIGN LOT 70-TW-102
[Symbol]	RMS APPROVED TEMPORARY PEDESTRIAN FENCE (OPERATIONAL)
[Symbol]	TEMPORARY AND PERMANENT LINE MARKING
[Symbol]	TEMPORARY WORKS DESIGN (UNDER CONSTRUCTION), REFER DESIGN LOT 70-TW-420
[Symbol]	EXISTING LINE MARKING
[Symbol]	TEMPORARY WORK (DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-100, 70-TW-101, 70-TW-102 & 70-TW-103
[Symbol]	SHARED USER PATH ROUTE
[Symbol]	TRAFFIC SIGNAL POST
[Symbol]	EXISTING TRAFFIC SIGNAL POST
[Symbol]	GENERAL TRAFFIC DIRECTION
[Symbol]	CONSTRUCTION TRAFFIC
[Symbol]	PAVEMENT LINE MARKING TAG
[Symbol]	SIGN POST LOCATION
[Symbol]	EXISTING SIGN POST TO BE RETAINED
[Symbol]	STAGE 1 WORK ZONE AREA

[Symbol]	TEMPORARY SIGN
[Symbol]	EXISTING SIGN TO REMAIN (GREEN DASH - RELOCATE SIGN)
[Symbol]	TEMPORARY SIGN TO BE REMOVED

NOTES

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NOT FOR CONSTRUCTION

WESTCONNEX M4 M5 LINK, CITY WEST LINK & VICTORIA ROAD
 ROZELLE INTERCHANGE & WESTERN HARBOUR TUNNEL
 TW - TRAFFIC STAGING - VICTORIA ROAD - STAGE 1
 ROAD ALIGNMENT AND ROAD FURNITURE PLAN
 SHEET 7

PROCESS NO: J337 DOCUMENT NAME: 70_11
 REV: C
 RIC-WA-DRG-70-TW-411-007

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B	24/06/2019	ISSUED FOR S30	VU
C1	17/06/2019	ISSUED FOR RD CIR	VU
C	15/10/2019	ISSUED FOR RD	VU

DESIGN MODEL FILES USED FOR DOCUMENTATION OF THIS DRAWING
 RIC-WA-MOD-70-TW-411-001_C1.TXT

DESIGNER: SPARNELL
 CHECKER: T. OWENS
 DESIGNER: C. MUNDY
 CHECKER: V. JURGANO
 PROJECT MGR: G. RYORDAN

CLIENT: NSW GOVERNMENT
 TRANSPORT ROADS & MARITIME SERVICES

SCALE: 1:500
 NORTH ARROW

WestConnex
 Rozelle Interchange

HOLLAND
 ARCADIS
 HASSELL
 RIDLEY

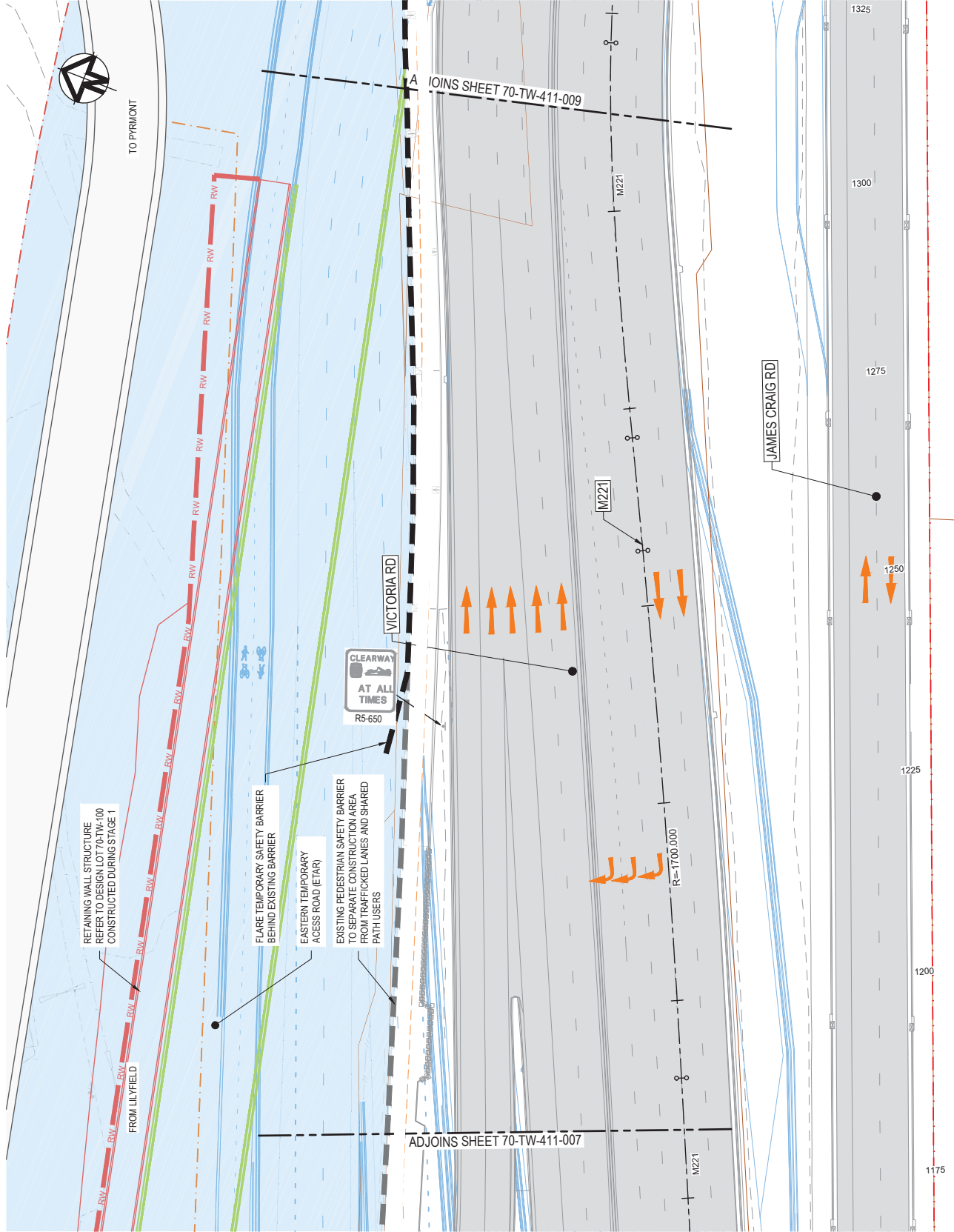
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DESIGN	T. OWENS	15/10/2019	
DESIGN CHECK	C. MUNDY	15/10/2019	
DESIGN MGR	V. JURGANO	15/10/2019	
PROJECT MGR	G. RYORDAN	15/10/2019	

Transport Roads & Maritime Services
 NSW GOVERNMENT

COORDINATE SYSTEM		MGA ZONE 56	
HEIGHT DATUM		AHD	
DESIGN PHASE		FDD	
FINAL DESIGN DOCUMENTATION			

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SCALE		1:500	

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



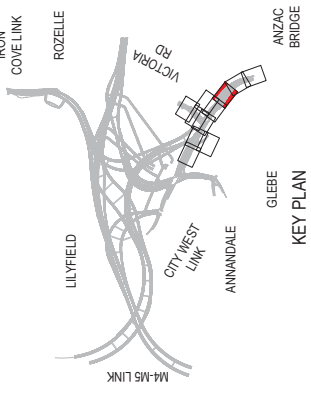
LEGEND

[Red dashed line]	SURFACE WORKS BOUNDARY
[Black dashed line]	TEMPORARY WORKS AREA BOUNDARY
[Black dashed line]	CADASTRAL BOUNDARY
[Black dashed line]	TEMPORARY SAFETY BARRIER
[Red dashed line]	TEMPORARY CONSTRUCTION BARRIER WITH ANTI-GAWK SCREEN
[Red dashed line]	DELINEATION BETWEEN CONSTRUCTION AREA AND TRAFFICKED AREA (EXISTING BARRIER OR FENCE)
[Red dashed line]	TEMPORARY NOISE WALL (DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-103
[Red dashed line]	TEMPORARY GUIDE KERB SEPARATOR
[Red dashed line]	TEMPORARY SAFETY BARRIER (H BEAM)
[Red dashed line]	RMS APPROVED CRASH CUSHION
[Red dashed line]	RETAINING WALL (DESIGN BY OTHERS)
[Red dashed line]	REFER DESIGN LOT 70-TW-102
[Red dashed line]	RMS APPROVED TEMPORARY PEDESTRIAN FENCE (OPERATIONAL)
[Red dashed line]	TEMPORARY AND PERMANENT LINE MARKING
[Red dashed line]	TEMPORARY WORKS DESIGN (UNDER CONSTRUCTION), REFER DESIGN LOT 70-TW-420
[Red dashed line]	EXISTING LINE MARKING
[Red dashed line]	TEMPORARY WORK DESIGN (BY OTHERS) REFER DESIGN LOT 70-TW-100, 70-TW-101, 70-TW-102 & 70-TW-103
[Red dashed line]	SHARED USER PATH ROUTE
[Red dashed line]	TRAFFIC SIGNAL POST
[Red dashed line]	EXISTING TRAFFIC SIGNAL POST
[Red dashed line]	GENERAL TRAFFIC DIRECTION
[Red dashed line]	CONSTRUCTION TRAFFIC
[Red dashed line]	PAVEMENT LINE MARKING TAG
[Red dashed line]	SIGN POST LOCATION
[Red dashed line]	EXISTING SIGN POST TO BE RETAINED
[Red dashed line]	STAGE 1 WORK ZONE AREA

[Sign symbol]	TEMPORARY SIGN
[Sign symbol]	EXISTING SIGN TO REMAIN (GREEN DASH - RELOCATE SIGN)
[Sign symbol]	TEMPORARY SIGN TO BE REMOVED

NOTES

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NOT FOR CONSTRUCTION

WESTCONNEX M4 M5 LINK, CITY WEST LINK, CITY WEST LINK, VICTORIA ROAD
ROZELLE INTERCHANGE & WESTERN HARBOUR TUNNEL
 TW - TRAFFIC STAGING - VICTORIA ROAD - STAGE 1
 ROAD ALIGNMENT AND ROAD FURNITURE PLAN

SHEET 8

PROCESS NO: J357 DOCUMENT NAME: 70_11
 REV: C
 RIC-WA-DRG-70-TW-411-008

WestConnex	
Rozelle Interchange	
JOHN SPARNELL	
HOLLAND	
ARCADIS	
HASSELL	
Ridley	

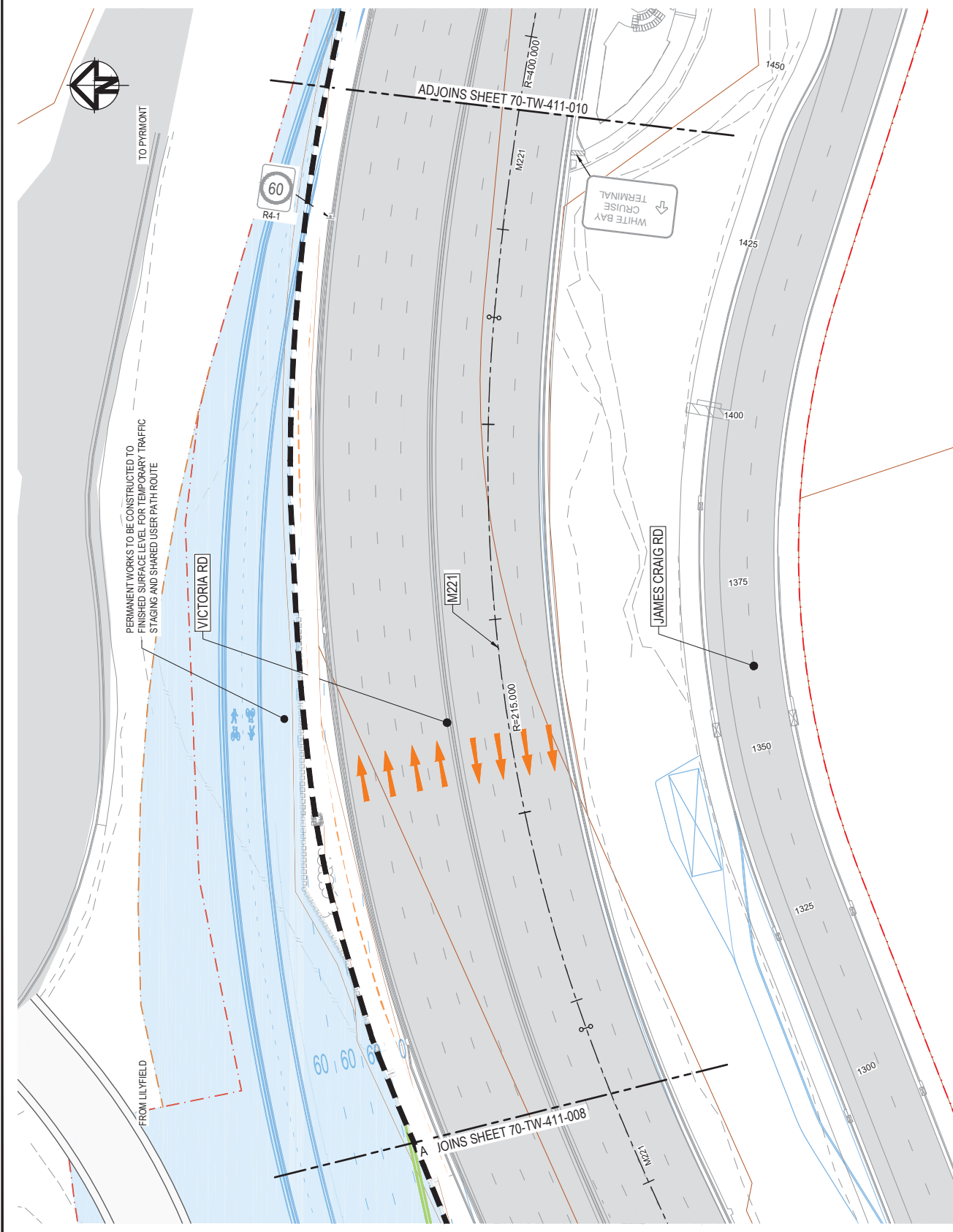
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APPROVAL	COORDINATE SYSTEM
VU	MGA ZONE 56
VU	HEIGHT DATUM
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VU	DESIGN PHASE
VU	FDD
VU	FINAL DESIGN DOCUMENTATION

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B1 ISSUED FOR SDD CIR	
B2 ISSUED FOR SDD	
C1 ISSUED FOR RFD CIR	
C2 ISSUED FOR RFD	

DATE	NAME	DATE
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24/06/2019	SPARNELL	15/10/2019
17/06/2019	T OWENS	15/10/2019
15/10/2019	C MUNDY	15/10/2019
	V JURGANO	15/10/2019
	G RORDAN	15/10/2019

PLANT DATE / TIME	10/15/2019 9:20:40 PM	
PLANT BY	Dayal, Sudesh	
TITLE	NAME	DATE
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DRG CHECK	SPARNELL	15/10/2019
DESIGN	T OWENS	15/10/2019
DESIGN CHECK	C MUNDY	15/10/2019
DESIGN INGR	V JURGANO	15/10/2019
PROJECT INGR	G RORDAN	15/10/2019

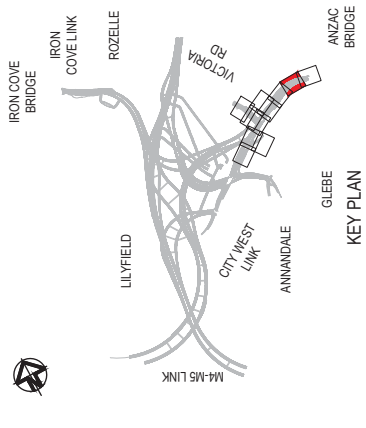


LEGEND

	SURFACE WORKS BOUNDARY
	TEMPORARY WORKS AREA BOUNDARY
	CANAL BOUNDARY
	TEMPORARY SAFETY BARRIER
	TEMPORARY CONSTRUCTION BARRIER WITH ANTI-GAWK SCREEN
	DELIMITATION BETWEEN CONSTRUCTION AREA AND TRAFFICKED AREA (EXISTING BARRIER OR FENCE)
	TEMPORARY NOISE WALL (DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-103
	TEMPORARY GUIDE KERB SEPARATOR
	TEMPORARY SAFETY BARRIER (H BEAM)
	RMS APPROVED CRASH CUSHION
	RETAINING WALL (DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-102
	RMS APPROVED TEMPORARY PEDESTRIAN FENCE (OPERATIONAL)
	TEMPORARY AND PERMANENT LINE MARKING
	TEMPORARY WORKS DESIGN (UNDER CONSTRUCTION), REFER DESIGN LOT 70-TW-420
	EXISTING LINE MARKING
	TEMPORARY WORK DESIGN (BY OTHERS) REFER DESIGN LOT 70-TW-100, 70-TW-101, 70-TW-102 & 70-TW-103
	SHARED USER PATH ROUTE
	TRAFFIC SIGNAL POST
	EXISTING TRAFFIC SIGNAL POST
	GENERAL TRAFFIC DIRECTION
	CONSTRUCTION TRAFFIC
	PAVEMENT LINE MARKING TAG
	SIGN POST LOCATION
	EXISTING SIGN POST TO BE RETAINED
	STAGE 1 WORK ZONE AREA
	TEMPORARY SIGN
	EXISTING SIGN TO REMAIN (GREEN DASH - RELOCATE SIGN)
	SIGN TO BE REMOVED

NOTES

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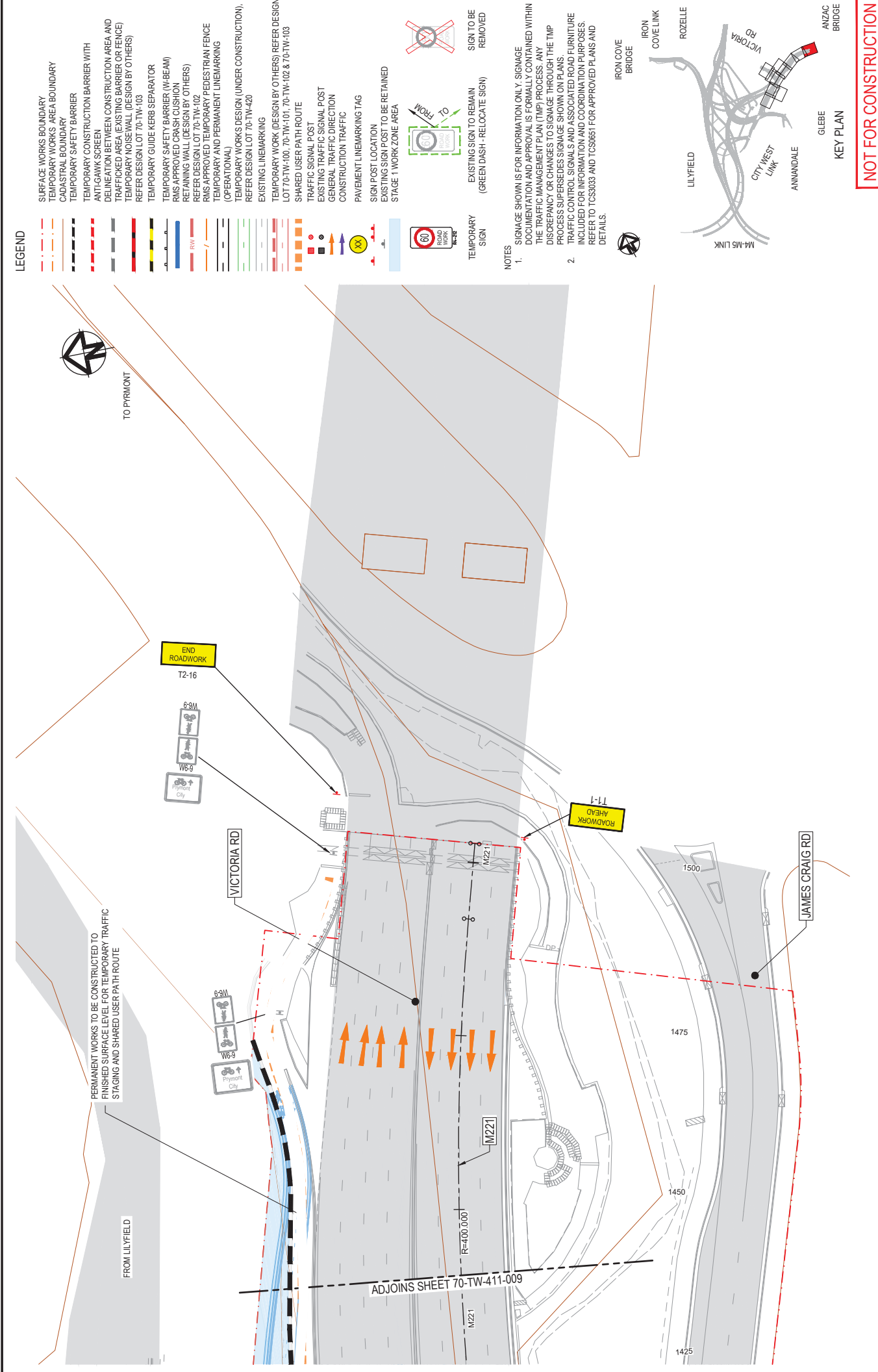
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ROZELLE INTERCHANGE & WESTERN HARBOUR TUNNEL	
TW - TRAFFIC STAGING - VICTORIA ROAD - STAGE 1	
ROAD ALIGNMENT AND ROAD FURNITURE PLAN	
SHEET 9	
PROCESS NO.	70_11
JUST DOCUMENT NAME	RIC-WA-DRG-70-TW-411-009
REV	C

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TITLE S/DAYAL	DATE 15/10/2019
DRG CHECK SPARNELL	DATE 15/10/2019
DESIGN T. OWENS	DATE 15/10/2019
DESIGN CHECK C. MUNDY	DATE 15/10/2019
DESIGN MGR V. JURGANO	DATE 15/10/2019
PROJECT MGR G. RORDAN	DATE 15/10/2019

DESIGN MODEL FILES USED FOR DOCUMENTATION OF THIS DRAWING RIC-WA-MOD-70-TW-411-001_C1.TXT	
CLIENT Transport Roads & Maritime Services	
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APPROVAL VU VU VU VU	HEIGHT DATUM AHD
REVISION DESCRIPTION NOT ISSUED ISSUED FOR SDD CR ISSUED FOR SDD ISSUED FOR RFD CR ISSUED FOR RFD	DESIGN PHASE FDD FINAL DESIGN DOCUMENTATION
REV / DATE A / 29/06/2019 B / 24/06/2019 C / 17/06/2019 C / 15/10/2019	



LEGEND

- SURFACE WORKS BOUNDARY
- TEMPORARY WORKS AREA BOUNDARY
- CANAL BOUNDARY
- TEMPORARY SAFETY BARRIER
- TEMPORARY CONSTRUCTION BARRIER WITH ANTI-GAWK SCREEN
- DELIMITATION BETWEEN CONSTRUCTION AREA AND TRAFFICKED AREA (EXISTING BARRIER OR FENCE)
- TEMPORARY NOISE WALL (DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-103
- TEMPORARY GUIDE KERB SEPARATOR
- TEMPORARY SAFETY BARRIER (H BEAM)
- RMS APPROVED CRASH CUSHION
- RETAINING WALL (DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-102
- RMS APPROVED TEMPORARY PEDESTRIAN FENCE (OPERATIONAL)
- TEMPORARY AND PERMANENT LINEMARKING
- TEMPORARY WORKS DESIGN (UNDER CONSTRUCTION), REFER DESIGN LOT 70-TW-420
- EXISTING LINEMARKING
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- SHARED USER PATH ROUTE
- EXISTING TRAFFIC SIGNAL POST
- GENERAL TRAFFIC DIRECTION
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- PAVEMENT LINEMARKING TAG
- SIGN POST LOCATION
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- STAGE 1 WORK ZONE AREA
- TEMPORARY SIGN
- EXISTING SIGN TO REMAIN (GREEN DASH - RELOCATE SIGN)
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KEY PLAN



NOT FOR CONSTRUCTION

WESTCONNEX M4 / M5 LINK, CITY WEST LINK & VICTORIA ROAD	
ROZELLE INTERCHANGE & WESTERN HARBOUR TUNNEL	
TW - TRAFFIC STAGING - VICTORIA ROAD - STAGE 1	
ROAD ALIGNMENT AND ROAD FURNITURE PLAN	
SHEET 10	
PROCESS NO.	3637 DOCUMENT NAME
70_11	RIC-WA-DRG-70-TW-411-010
REV	C

WestConnex
Rozelle Interchange

JOHN SPARNELL
CPB
CONSULTANTS

HOLLAND
ARCADIS

HASSELL
JESSIE

Ridley

PLOT DATE / TIME		PLOT BY	
10/15/2019 9:27:106 PM		Dayal, Sudesh	
TITLE	NAME	DATE	
DRAWN	S DAYAL	15/10/2019	
DRG CHECK	SPARNELL	15/10/2019	
DESIGN	T OWENS	15/10/2019	
DESIGN CHECK	C MUNDY	15/10/2019	
DESIGN MGR	V JURGANO	15/10/2019	
PROJECT MGR	G RIGORDAN	15/10/2019	

NSW GOVERNMENT

Transport
Roads & Maritime
Services

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COORDINATE SYSTEM	MGA ZONE 56
APPROVAL	VU
HEIGHT DATUM	AHD
DESIGN PHASE	FDD
FINAL DESIGN DOCUMENTATION	

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VU	MGA ZONE 56
VU	HEIGHT DATUM
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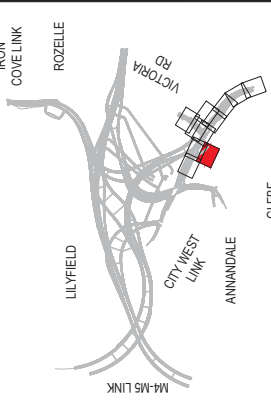
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CLIENT		Transport Roads & Maritime Services

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NSW GOVERNMENT		T. OWENS	
Transport Roads & Maritime Services		DESIGN CHECK	
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		PROJECT MGR	
		G. RORDAN	

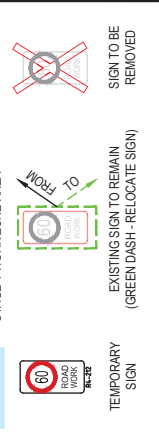
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ROAD ALIGNMENT AND ROAD FURNITURE PLAN		70_11	
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NOT FOR CONSTRUCTION

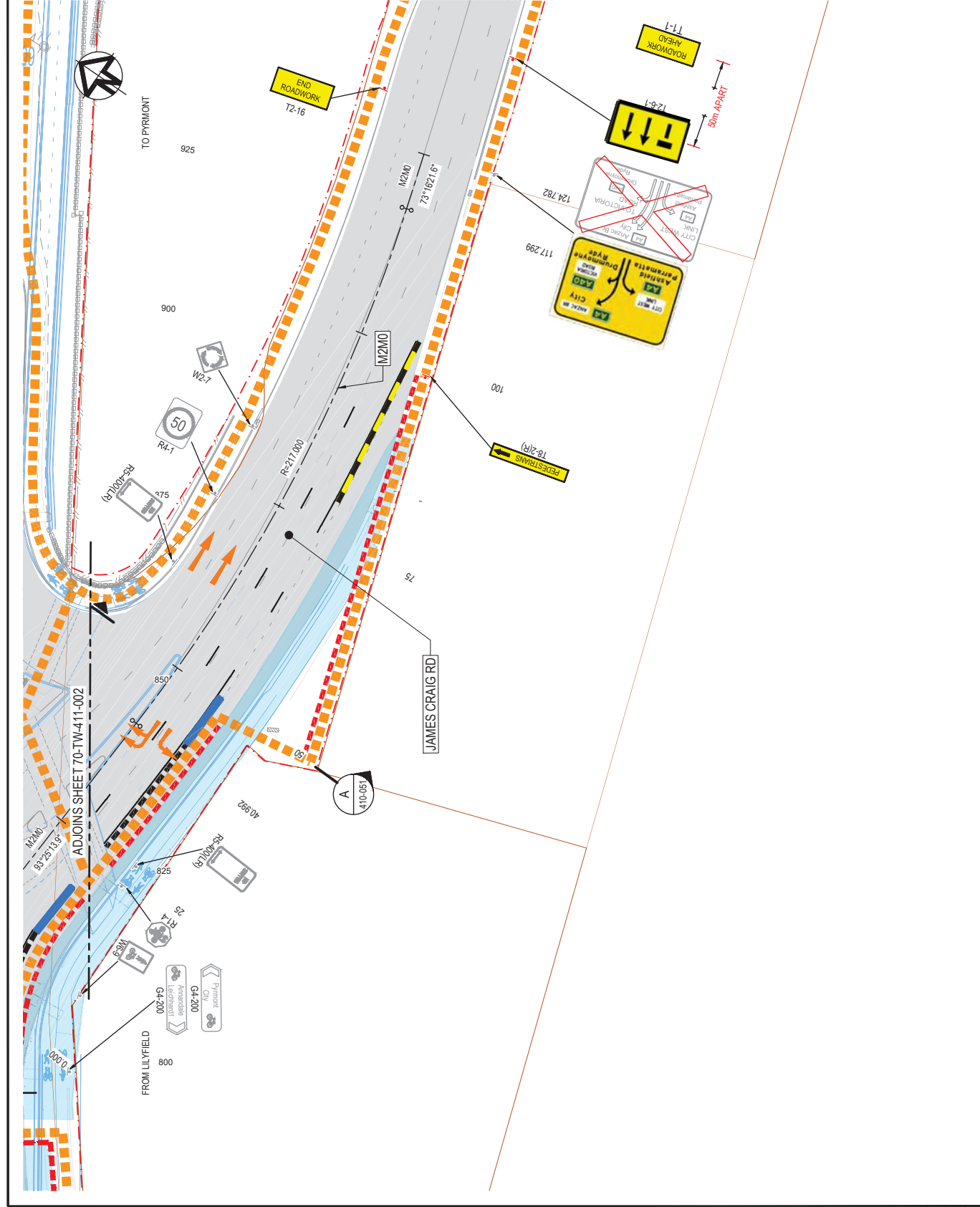
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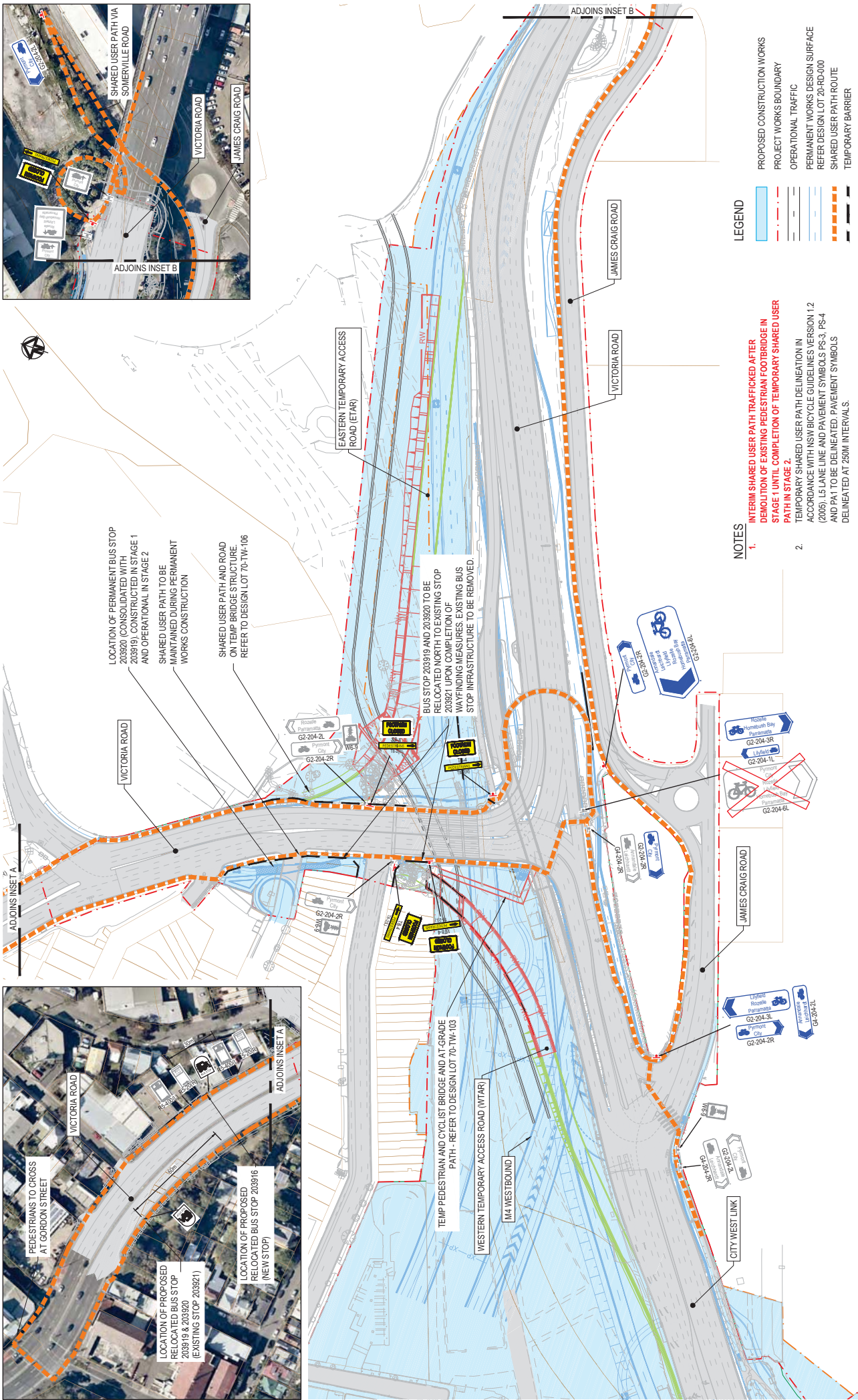
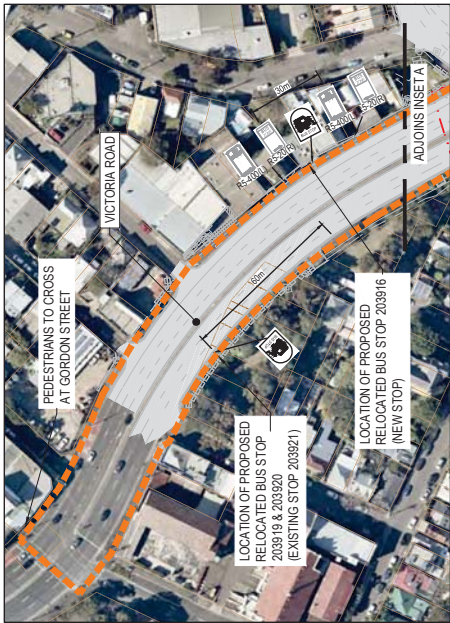
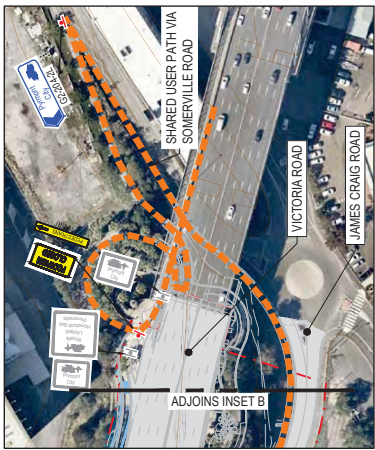


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- LEGEND
- SURFACE WORKS BOUNDARY
 - TEMPORARY WORKS AREA BOUNDARY
 - CANALSIDE BOUNDARY
 - TEMPORARY SAFETY BARRIER
 - TEMPORARY CONSTRUCTION BARRIER WITH ANTI-GAWK SCREEN
 - DELINEATION BETWEEN CONSTRUCTION AREA AND TRAFFICKED AREA (EXISTING BARRIER OR FENCE)
 - TEMPORARY NOISE WALL (DESIGN BY OTHERS)
 - REFER DESIGN LOT 70-TW-103
 - TEMPORARY GUIDE KERB SEPARATOR
 - TEMPORARY SAFETY BARRIER (H BEAM)
 - RMS APPROVED CRASH CUSHION
 - RETAINING WALL (DESIGN BY OTHERS)
 - REFER DESIGN LOT 70-TW-102
 - RMS APPROVED TEMPORARY PEDESTRIAN FENCE
 - TEMPORARY AND PERMANENT LINE MARKING (OPERATIONAL)
 - TEMPORARY WORKS DESIGN (UNDER CONSTRUCTION), REFER DESIGN LOT 70-TW-420
 - EXISTING LINE MARKING
 - TEMPORARY WORK (DESIGN BY OTHERS) REFER DESIGN LOT 70-TW-100, 70-TW-101, 70-TW-102 & 70-TW-103
 - SHARED USER PATH ROUTE
 - TRAFFIC SIGNAL POST
 - EXISTING TRAFFIC SIGNAL POST
 - GENERAL TRAFFIC DIRECTION
 - CONSTRUCTION TRAFFIC
 - PAVEMENT LINE MARKING TAG
 - SIGN POST LOCATION
 - EXISTING SIGN POST TO BE RETAINED
 - STAGE 1 WORK ZONE AREA
 - TEMPORARY SIGN
 - EXISTING SIGN TO REMAIN (GREEN DASH - RELOCATE SIGN)
 - SIGN TO BE REMOVED





- LEGEND**
- PROPOSED CONSTRUCTION WORKS
 - - - PROJECT WORKS BOUNDARY
 - OPERATIONAL TRAFFIC
 - PERMANENT WORKS DESIGN SURFACE
 - REFER DESIGN LOT 20-RD-000
 - - - SHARED USER PATH ROUTE
 - - - TEMPORARY BARRIER

- NOTES**
- INTERIM SHARED USER PATH TRAFFICKED AFTER DEMOLITION OF EXISTING PEDESTRIAN FOOTBRIDGE IN STAGE 1 UNTIL COMPLETION OF TEMPORARY SHARED USER PATH IN STAGE 2.**
TEMPORARY SHARED USER PATH DELINEATION IN ACCORDANCE WITH NSW BICYCLE GUIDELINES VERSION 1.2 (2005), L5 LANE LINE AND PAVEMENT SYMBOLS PS-3, PS-4 AND PA1 TO BE DELINEATED. PAVEMENT SYMBOLS DELINEATED AT 250M INTERVALS.

ISSUED FOR CONSTRUCTION		A3
WESTCONNEX MM / M5 LINK, CITY WEST LINK & VICTORIA ROAD		
ROZELLE INTERCHANGE & WESTERN HARBOUR TUNNEL		
TW - TRAFFIC STAGING - VICTORIA ROAD - STAGE 1		
POST STAGE 1 INTERIM SHARED USER PATH		
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REV / DATE 00 / 06/12/2019	REVISION DESCRIPTION ISSUED FOR CONSTRUCTION	CLIENT NSW GOVERNMENT Transport Roads & Maritime Services
COORDINATE SYSTEM MGA ZONE 56	APPROVAL VI	SCALE ON A3 SIZE DRAWING 0 40 80m 1 : 2000
HEIGHT DATUM AHD	DESIGN PHASE IFC	DESIGN MODEL FILE(S) USED FOR DOCUMENTATION OF THIS DRAWING RIC-WA-MOD-70-TW-411-001_001.TXT
ISSUE FOR CONSTRUCTION	PROJECT NUMBER 70_11	PROJECT MANAGER G. JORGANO
PROJECT NUMBER 70_11	ISSUE FOR CONSTRUCTION	PROJECT MANAGER G. JORGANO
PROJECT NUMBER 70_11	ISSUE FOR CONSTRUCTION	PROJECT MANAGER G. JORGANO



PLANT BY Dayal, Sudesh	DATE 06/12/2019
TITLE S.DAYAL	DATE 06/12/2019
DRG CHECK S.PARNELL	DATE 06/12/2019
DESIGN T.OWENS	DATE 06/12/2019
DESIGN CHECK C.MUNDY	DATE 06/12/2019
DESIGN MGR V.JURGANO	DATE 06/12/2019
PROJECT MGR G. JORGANO	DATE 06/12/2019

[REDACTED]
[REDACTED]
[REDACTED] [REDACTED] [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]