

AGENDA



LOCAL TRAFFIC COMMITTEE MEETING

MONDAY 17 FEBRUARY 2025

11:00 AM

Function of the Local Traffic Committee

Background

Roads and Maritime Services (RMS) is legislated as the Authority responsible for the control of traffic on all NSW Roads. The RMS has delegated certain aspects of the control of traffic on local roads to councils. To exercise this delegation, councils must establish a local traffic committee and obtain the advice of the RMS and Police. The Inner West Council Local Traffic Committee has been constituted by Council as a result of the delegation granted by the RMS pursuant to Section 50 of the Transport Administration Act 1988.

Role of the Committee

The Local Traffic Committee is primarily a technical review and advisory committee which considers the technical merits of proposals and ensures that current technical guidelines are considered. It provides recommendations to Council on traffic and parking control matters and on the provision of traffic control facilities and prescribed traffic control devices for which Council has delegated authority. These matters are dealt with under **Part A** of the agenda and require Council to consider exercising its delegation.

In addition to its formal role as the Local Traffic Committee, the Committee may also be requested to provide informal traffic engineering advice on traffic matters not requiring Council to exercise its delegated function at that point in time, for example, advice to Council's Development Assessment Section on traffic generating developments. These matters are dealt with under **Part C** of the agenda and are for information or advice only and do not require Council to exercise its delegation.

Committee Delegations

The Local Traffic Committee has no decision-making powers. The Council must refer all traffic related matters to the Local Traffic Committee prior to exercising its delegated functions. Matters related to State Roads or functions that have not been delegated to Council must be referred directly to the RMS or relevant organisation.

The Committee provides recommendations to Council. Should Council wish to act contrary to the advice of the Committee or if that advice is not supported unanimously by the Committee members, then the Police or RMS have an opportunity to appeal to the Regional Traffic Committee.

Committee Membership & Voting

Formal voting membership comprises the following:

- one representative of Council as nominated by Council;
- one representative of the NSW Police from each Local Area Command (LAC) within the LGA, being Newtown, Marrickville, Leichhardt and Ashfield LAC's.
- one representative from the RMS; and
- State Members of Parliament (MP) for the electorates of Summer Hill, Newtown, Heffron, Canterbury, Strathfield and Balmain or their nominees.

Where the Council area is represented by more than one MP or covered by more than one Police LAC, representatives are only permitted to vote on matters which effect their electorate or LAC.

Informal (non-voting) advisors from within Council or external authorities may also attend Committee meetings to provide expert advice.

Committee Chair

Council's representative will chair the meetings.

Public Participation

Members of the public or other stakeholders may address the Committee on agenda items to be considered by the Committee. The format and number of presentations is at the discretion of the Chairperson and is generally limited to 3 minutes per speaker. Committee debate on agenda items is not open to the public.

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Nil at time of printing.

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Nil at the time of printing.

8 General Business

9 Close of Meeting

Minutes of Meeting held on 09 December 2024

Meeting commenced at 11:09 AM

ACKNOWLEDGEMENT OF COUNTRY BY CHAIRPERSON

I acknowledge the Gadigal and Wangal people of the Eora nation on whose country we are meeting today, and their elders past and present.

COMMITTEE REPRESENTATIVES PRESENT

Victor Macri	Councillor –Midjuburi - Marrickville Ward (Chair)
Bill Holliday	Representative for Kobi Shetty MP, Member for Balmain
Graeme McKay	Representative for Jo Haylen MP, Member for Summer Hill
Eleanor Nurse	Representative for Jenny Leong MP, Member for Newtown
Nina Fard	Transport for NSW (TfNSW)
Ben Walters	NSW Police – Inner West Police Area Command

NON VOTING MEMBERS IN ATTENDANCE

Col Jones	Inner West Bicycle Coalition (IWBC)
Michael Takla	Representative for Transit Systems
Nalin Rajapaksha	Representative for U-Go Mobility
Manod Wickramasinghe	IWC's Traffic and Transport Planning Manager
Sunny Jo	IWC's Coordinator Traffic Engineering Services (North)
George Tsaprounis	IWC's Coordinator Traffic Engineering Services (South)
Jason Scoufis	IWC's Coordinator Traffic Investigations & Road Safety
Amir Falamarzi	IWC's Traffic Engineer
Christy Li	IWC's Business Administration Officer

VISITORS

Ben Peake	Public Speaker (Item 4)
Hassan Kharroubi	Public Speaker (Item 4)
Huw Davis	Public Speaker (Item 4)
Rory Steinle- Davis	Public Speaker (Item 4)
Carmel McDonald	Public Speaker (Item 4)
Dyrandia Hortle	Public Speaker (Item 4)
Edward Walsh	Public Speaker (Item 4)
Susan Moxham	Public Speaker (Item 4)
Bob Stephenson	Public Speaker (Item 4)
Sandra Ianitto	Public Speaker (Item 5)
Rosanna Martinello	Public Speaker (Item 5)
Manjur Rahman	Transport for NSW (TfNSW) (Item 11)
Ahsanul Amin	Transport for NSW (TfNSW) - Sydney Metro (Item 12)
Nick Windmiller	Transport for NSW (TfNSW) - Sydney Metro (Item 12)
Imogen Markus	Transport for NSW (TfNSW) - Sydney Metro (Item 12)
Fernando Guerreiro	Public Speaker (Item 14)
Bret Tombs	Public Speaker (Item 14)
Marijke Tombs	Public Speaker (Item 14)

APOLOGIES:

Sgt Charles Buttrose	NSW Police – Leichhardt Police Area Command
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DISCLOSURES OF INTERESTS:

Nil.

CONFIRMATION OF MINUTES

That the Minutes of the Local Traffic Committee held on Monday, 18 November 2024 be confirmed.

MATTERS ARISING FROM COUNCIL'S RESOLUTION OF MINUTES

The Minutes of the Local Traffic Committee meeting held on 18 November 2024 were adopted at Council's meeting held on 03 December subject to the following:

1. Item 16 - Mackey Park and Carrington Road Survey Area, Marrickville: Request for extension of M2 Residential Parking Scheme: that Council write to affected residents explaining the actions taken to date and inviting residents to attend a town hall meeting to be organised in February 2025 and held in South Marrickville; and that council investigate and consult the Marrickville Red Devils on establishing a kiss and ride zone at a location near Mackey Park on Saturdays; and
2. Item 17 - Tempe Reserve - Parking Study: that Council write to affected residents explaining the actions taken to date and inviting residents to attend a town hall meeting to be organised in February 2025 and held in Tempe.

LTC1224(1) Item 1 Robert Street at Holden Street, Ashfield - New At-Grade Pedestrian (Zebra) Crossing (Djarrawunang-Ashfield Ward/Summer Hill Electorate/Burwood PAC)

SUMMARY

Council at its meeting on the 18 March 2024 (through its Traffic Committee 11 December 2023) approved in principle a series of proposed pedestrian (zebra) crossings and kerb extension treatments (under concept) with other auxiliary works (relocation of bus stops, inclusion of raised platform thresholds) for improved pedestrian and road safety around and near to the Cardinal Freeman (Retirement) Village, Ashfield.

This report describes and shows the detailed design plan of one of the proposed treatments involving the placing of a pedestrian (zebra) crossing in Robert Street, at the intersection of Holden Street, Ashfield. This work is programmed and envisaged to be constructed in the 2025/2026 financial year, subject to funding.

Officers Recommendation:

That the detailed design plan (10302) for a proposed new at-grade pedestrian (zebra) crossing in Robert Street at its intersection with Holden Street, Ashfield, with associated signs and line marking (as shown in Attachment 1) be approved.

DISCUSSION:

The Representative for the Transport for NSW raised concerns regarding the crossing not being entirely at the intersection nor offset from the intersection by a vehicle length (6 metres). Due to this, vehicles could stop partially over the pedestrian crossing which could reduce motorist sightlines to pedestrians wishing to cross.

The Representative for Transport for NSW advised they are still in discussion with Council

Officers regarding what adjustments can be made whilst taking into consideration the current constraints of the proposed location.

The Representative for Transit Systems questioned when the works would be implemented and whether buses would be allowed through during construction. Council Officers advised that the project is currently scheduled for construction in the next financial year however it will be subject to grant funding opportunities therefore nothing has been determined as of yet. It was noted that once construction is scheduled, Council will be able to provide further information to the Representative for Transit Systems.

Council Officers suggested that this item be deferred to allow for further investigations regarding the proposed location of the crossing and other potential options.

The Committee members agreed with the amended recommendation.

COMMITTEE RECOMMENDATION:

That the detailed design plan (10302) for a proposed new at-grade pedestrian (zebra) crossing in Robert Street at its intersection with Holden Street, Ashfield, with associated signs and line marking (as shown in Attachment 1 of the Local Traffic Committee report) be deferred for further investigation.

For Motion: Unanimous

LTC1224(1) Item 2 Edgware Road and Camden Street, Enmore - Proposed kerb extensions (Damun-Enmore Ward/Newtown Electorate/Inner West PAC)

SUMMARY

This report discusses an assessment completed for the intersection at Edgware Road and Camden Street, Enmore in response to concerns raised and recent accidents. Kerb extensions and adjustments to the 'GIVE WAY' lines are proposed to improve safety at this intersection.

Officers Recommendation:

That:

1. the design plan for the kerb extensions and adjustment of the 'GIVE WAY' line marking at the intersection of Edgware Road and Camden Street, Enmore be approved in principle and a detailed design be brought back to the Committee for consideration.
2. the design for the interim line marking treatment at the intersection of Edgware Road and Camden Street, Enmore be approved (as detailed in *Attachment 2*).

DISCUSSION:

The Representative for the Inner West Bicycle Coalition advised that some cyclists tend to ride their bikes in the door zones and if the kerb extensions were to be placed to the edge of the travel lane, some cyclists may diverge around the kerb extensions and into the carriageway causing a potential safety issue. The Representative for the Inner West Bicycle Coalition noted that he does not have any issues with the interim treatment noting that cyclists can ride over the markings.

Council Officers advised that they will investigate the possibility of shortening the concrete

kerb island and incorporate that into the detailed design.

The Committee members agreed with the Officer's recommendation.

COMMITTEE RECOMMENDATION:

That:

1. the design plan for the kerb extensions and adjustment of the 'GIVE WAY' line marking at the intersection of Edgeware Road and Camden Street, Enmore be approved in principle and a detailed design be bought back to the Committee for consideration.
2. the design for the interim line marking treatment at the intersection of Edgeware Road and Camden Street, Enmore be approved (as detailed in *Attachment 2* of the Local Traffic Committee report).

For Motion: Unanimous

LTC1224(1) Item 3 LGA-Wide High Pedestrian Activity Area (HPAA) Investigations - Final Report (All Wards / All Electorates / All PACs)

SUMMARY

The Pedestrian Access and Mobility Plan (PAMP) prepared in 2021 recommended the implementation of High Pedestrian Activity Areas (HPAAs) in 10 areas throughout the LGA. Stantec was subsequently engaged by Council to develop proposals to implement HPAA schemes in these 10 areas.

This report seeks to improve pedestrian safety in town centres through the provision of traffic management treatments and by lowering speed limits for vehicles it will further improve bicycle safety within the overall proposed safety improvements.

This proposal seeks to lower the speed limit to 40km/h at all times within the proposed HPAA areas. Changes to the local road environment have been designed and proposed to alert drivers to the lower speed limit and make them aware of the presence of pedestrians.

Officers Recommendation:

That:

- a) The proposed 40 km/h High Pedestrian Activity Areas and subsequent treatments listed in the 40 km/h High Pedestrian Activity Area Investigations report be supported in principle as per the attached report in Attachment 1 and Attachment 2, subject to approval from TfNSW.
- b) That the proposed 40 km/h High Pedestrian Activity Areas and subsequent treatments listed in the 40 km/h High Pedestrian Activity Area Investigations report on State roads be forwarded to TfNSW for their consideration.

DISCUSSION:

Council Officers advised that this project was completed by a consultant who reviewed potential high pedestrian activity areas within the Inner West Council LGA which Council could raise with TfNSW and apply for grant funding in the future. It was noted that this has not yet been forwarded to Transport for NSW for formal review which means that there will have to be a body of work after the item is noted for TfNSW to review and endorse the HPAAs before Council can commence with the detailed design. It was also noted that speed

limit changes are under the jurisdiction of TfNSW and not a matter for the Committee.

To clarify this, Council Officers suggested to amend the recommendation to take into consideration the comments received from TfNSW regarding the approval process for the speed limit reductions.

The Committee members agreed with the amended recommendation.

COMMITTEE RECOMMENDATION:

That:

- a) That the 40km/h High Pedestrian Activity areas (HPAAs) investigation report be noted and submitted to TfNSW for formal review prior to HPPA projects being listed in Council's capital works program.
- b) That the traffic facilities on local and regional road proposed in the report be supported in principle.

For Motion: Unanimous

LTC1224(1) Item 4 Re-exhibition of proposed permanent road closure Jaggars Lane, Balmain (Baludarri - Balmain Ward / Balmain Electorate / Leichhardt PAC)

SUMMARY

The previous decision for the closure of Jaggars Lane was deferred at the Council's Ordinary meeting of 9 April 2024. This was as a result of a pending Land and Environment Court Appeal relating to 4 Caroline Street, Balmain which proposed a modified access to Jaggars Lane for approved onsite carparking.

On 30 August 2024 a Court judgment was handed down in the Appeal making it conditional that unless there was a Traffic Management Committee approval for the Jaggars Lane access to 4 Caroline Street there would be no access permitted to the property. The Court judgment included a permanent road closure with a single bollard along the mid-block of Jaggars lane, including a splay at the intersection of Jaggars Lane at Caroline Street to accommodate vehicular access and appropriate signage at no cost to Council.

As the proposal was different from the previously deferred option considered by Council which included two bollards at either end of Jaggars Lane, three options were put to community engagement, that is Option 1: A full road closure of Jaggars Lane to all traffic; Option 2: A mid-block road closure of Jaggars Lane; and Option 3: No changes to the existing traffic arrangements in Jaggars Lane.

Community Engagement has closed and indicated that Option 1 was the preferred option with 66.7% support rate.

Officers Recommendation:

1. That the permanent full road closure of Jaggars Lane, Balmain between Duncan Street and Caroline Street (Option 1) be approved subject to the approval of the Traffic Management Plan (TMP) by Transport for NSW (TfNSW).
2. That the closure of Jaggars Lane, Balmain (Option 1) be implemented as per the bollards and signposting plan provided in *Attachment 1*.

DISCUSSION:

Public Speakers Ben Peake, Hassan Kharroubi, Huw Davis, Rory Steinle-Davis, and Carmel MacDonald entered the meeting at 11.10am

Mr Kharroubi objected to the recommendation as he advised he had previously received a DA approval for restorations and carparking on his property at Caroline Street. He advised that he has also gone to the Land and Environment court and that he has entered into a Section 34 agreement whereby he intends to dedicate part of his land to widen Jaggers Lane and to allow for cars to enter his property. Mr Kharroubi advised that he supported Council's previous proposal to add a bollard in the centre of the lane to prevent through traffic whilst achieving a balance of allowing residents to use the lane to access their properties. Mr Kharroubi noted that as part of the Section 34 agreement, he is to prepare a submission to the Local Traffic Committee demonstrating that he can access the lane and that he has engaged a traffic consultant to provide all relevant reports. He added that the process has been constantly deferred due to the proposal to close off Jaggers Lane and noted that having onsite parking will help alleviate the off street parking issues in the area. Mr Kharroubi advised that the full closure of Jaggers Lane will impact amenity and accessibility in the area, property values, appeal for potential buyers to purchase in the area as well as affect current and future developments in the area.

Mr Peake spoke in agreement with Mr Kharroubi and advised that a submission was put to the Committee in July by Mr Kharroubi's traffic consultants and has concerns that their submission was not properly considered. Mr Peake advised that the key issues arising from the meeting could be addressed with having a centrally located bollard in the lane would be able to somewhat satisfy the needs of all residents. It was noted that Mr Kharroubi's onsite parking has been considered by both Council and the Land and Environment court with minor technical matters that needed to be addressed.

Mr Davies objected to the recommendation and advised his concerns regarding the report being biased to supporting the road closure. Mr Davis noted that the Committee is proposing a road closure that affects 320 people (as per the consultation area) which purportedly can be closed down by 22 people and questioned how many of the 22 people have access to off-street parking. Mr Davis advised that the summaries in the engagement outcomes report seem to be biased towards having the road being closed noting that if 8 people are directly impacted and want the lane closure out of the 320 people consulted in the area. Mr Davis also noted that the original petition to close the road had 47 names and that it has now gone down to 22 submission and suggested that people are changing their minds on the closure.

Mr Steinle-Davis objected to the recommendation and advised that the laneway is an asset to renovation, upgrade, and maintenance projects for neighbouring properties. Mr Steinle-Davis raised concerns that the closure of the lane will cause more traffic on the main road as well as add to existing parking issues in the area. Mr Steinle-Davis advised that he would like a resolution to this matter and that he would not be opposed to having a bollard installed centrally in the lane and advised that it would assist with partially closing the lane and providing pedestrian access. It was also noted that Sydney Water had been consulted in previous engagements and that they had advised that they would require access to the laneway to maintain their assets in the laneway.

Ms MacDonald objected to the recommendation noting she does not see any reason for the proposed closure of the lane as there is not much vehicular traffic on the lane. Ms MacDonald noted that there is limited parking availability on Waterview Street and that residents of Waterview Street should be able to use the lane to access their homes for reasons such as unloading shopping, charging their vehicles or moving furniture.

Public Speakers Ben Peake, Hassan Kharroubi, Huw Davis, Rory Steinle-Davis and Carmel MacDonald left the meeting at 11.33am

Public Speakers Dyranda Hortle, Edward Walsh, Susan Moxham and Bob Stephenson entered the meeting at 11.34am

Ms Hortle, Mr Walsh, Ms Moxham and Mr Stephenson all supported the recommendation as the lane is non-compliant with the Australian Standard for vehicular use. Mr Walsh also noted that cars and pedestrians could not safely coexist in the lane as the lane was too narrow for pedestrians and vehicles to pass each other safely. Mr Walsh advised that the local community often use the lane as a footpath to get to the Balmain ferry as there is no footpath available on a portion of Waterview Street. Mr Walsh noted he disagreed with the reports of there being a low risk of conflicts between cars and pedestrians and that in the previous traffic survey conducted, there were 3 incidents during the survey period, 1 being vehicle-to-vehicle damage, 1 road rage incident and 1 incident where a vehicle almost collided with the residents back gate as they opened their gate onto the lane. Mr Walsh noted that one of the key risks was that some property's back gates open onto the lane which may cause issues if vehicular movements were allowed in the lane.

Mr Stephenson advised that the recommendation aligns with community wishes to future-proof the lane for pedestrian access. Mr Stephenson advised that the lane is a great amenity for the residents and has many environmental and social benefits to the community.

Ms Moxham advised that she uses the lane multiple times daily and many people in the wider community also do so due to the lack of footpaths in the area. Ms Moxham also noted that she did not support the idea of creating private driveways for developers who do not intend to live in the area. Ms Moxham also encouraged Council to investigate developing the lane into a functioning walkway/cycleway as Council is currently doing in other areas of the LGA. Ms Moxham noted that by doing so it will enhance the environment and encourage people to take on active transport.

Ms Walsh noted that the proposal to have a single bollard installed in the middle of the lane would stop through traffic in the lane however his main concern was that by not having the road fully closed, the current DA application would allow for traffic to utilise the laneway for access.

Public Speakers Dyranda Hortle, Edward Walsh, Susan Moxham and Bob Stephenson left the meeting at 11.47am.

The Chairperson advised that he supports the option of having a bollard placed into the laneway so that residents can still access the rear of their property if required. The Chairperson noted the concerns regarding future developments and the potential conflicts between pedestrians and vehicles however with the lack of parking in adjacent streets, residents may still need to access the laneway to service their properties. The Chairperson noted that Mr Kharroubi's intention to dedicate part of his lane as a footpath will set a precedent for future residents who wish to add off-street parking onto their properties. The Chairperson noted that if the bollard is placed in the lane, the lane will technically become a 'shared zone' instead of a through road and suggested that Council investigate the repositioning of the bollard. The Representative for the Member of Balmain suggested having a rules-based arrangement so that cars are secondary to pedestrians and the possibility of implementing 'No Stopping' throughout the lane and having the speed limit reduced to a low speed so pedestrians can safely use it. The Representative for the Member of Summer Hill recommended that a bollard be installed in Jaggers Lane. The Chairperson noted that the installation of the bollard can be reversed if it is not a suitable treatment.

Council Officers advised that the original request to close that lane came in as the lane is only 3 metres wide and pedestrians and vehicles cannot safely pass each other in the lane. It was noted that there were issues of illegal parking in the lane which obstructed access for pedestrians. Council Officers noted that in terms of its technical merits, there should be no traffic in the lane. It was noted that there are currently no approved driveways in the lane and that the residents are concerned for the potential for developments to start increasing the

number of driveways in the lane. It was noted that historically there have been no approvals for driveways in the lane due to the limited space to access the lane. Council Officers advised that the closure of the lane is essentially formalising the current conditions of the lane.

It was noted that Council had received 40 submissions from the community engagement, 7 were deemed out of the consultation area. Out of the 7 out of area submissions, two were in support of option 1 and 5 submissions were in support of leaving the lane as it is now. Council Officers noted that from the submissions from the consultation area, there was a 66% support rate to close the lane to all traffic and if the statistics were narrowed down to the immediately affected properties, that would still be a 61% support rate to close the lane to all traffic. Council Officers advised that the recommendation put forward to support option 1 was based on the overall community support to close the lane.

The Chairperson noted his concerns regarding the ability for residents to access their properties from the lane due to the existing parking issues in the area.

Council Officers also noted that pictures of the construction vehicles being parked in the lane are technically illegal and that if works did need to happen for the property, Council would suggest the resident apply for a 'Work Zone' at the frontage of their property.

The Chairperson noted that he supported the idea of the bollard being installed into the lane and have that reviewed over time.

The Committee members agreed with the amended recommendation.

COMMITTEE RECOMMENDATION:

1. That the permanent full road closure of Jaggars Lane, Balmain between Duncan Street and Caroline Street (Option 2), with a single bollard positioned on Jaggars Lane at the common property alignment of 31 and 33 Waterview Street be approved subject to the approval of the Traffic Management Plan (TMP) by Transport for NSW (TfNSW).

For Motion: Unanimous

LTC1224(1) Item 5 Empire Street, Haberfield - Proposed Motorbike Parking (Gulgadya-Leichhardt Ward/Summer Hill Electorate/Burwood PAC)

SUMMARY

Council has received concerns regarding vehicles obstructing the driveway of No.26 Empire Street, Haberfield. It was reported that the existing 4m kerbspace between No.24 and No.26 Empire Street is insufficient to accommodate a standard sized vehicle without partially obstructing the driveway, and impeding vehicular access to No.26 Empire Street, Haberfield.

To assist in maintaining vehicular access, Council proposed to install a 4m length 'Motor Bike Only' parking zone. Following consultation, concerns were raised regarding the impact of the restriction from the directly impacted resident and hence the proposal is recommended to not proceed at this time.

Officers Recommendation:

That the proposed 4m length 'Motor Bike Parking' zone between the driveway of No.24 and No.26 Empire Street, Haberfield be not supported due to lack of support from the immediately impacted property.

DISCUSSION:

Public Speaker Sandra Ianitto entered the meeting at 11.48am.

Ms Ianitto supported the recommendation advising she has never had concerns with car parking or driveway access to her property caused by the size or location of the kerb space located in front of her property. Ms Ianitto advised she sympathised with her neighbour's concerns regarding driveway access issues however, noted that there must be other solutions for her neighbour that do not impact her as drastically by removing amenity for herself, her visitors, and other neighbours. Ms Ianitto noted that outside of sporting events at Algie Park, parking levels are low and that her section of Empire Street is a quiet residential street with most residents utilising their off-street parking. Ms Ianitto noted that extra cars on the street coincide with activities on the sports fields and that the regular parkgoers are quite familiar with the available parking spaces and where they can park safely. Ms Ianitto noted that although this may make the street busier at times, it does not have a significant impact on the residents in the surrounding area as these extra cars occur for 2-3 weekdays during the playing seasons from 4pm to 7pm. Ms Ianitto advised she disagreed with the description of the kerb space being too small for vehicles to park as she drives a 5-seat Volkswagen hatchback which fits into the space.

Public Speaker Sandra Ianitto left the meeting at 11.51am.

Public Speaker Rosanna Martinello entered the meeting at 11.52am.

Ms Martinello opposed the recommendation as vehicles who often park in the 4m kerb space between No.24 and No.26 Empire Street, Haberfield often obstruct access to her driveway and property. Ms Martinello advised that Council had previously advised her to install driveway linemarkings to deter people from parking too close to her driveway however, the issue still persists and often she is blocked in and unable to exit her property. Ms Martinello requested that Council continue with the original proposal to implement 'Motor Bike Parking' in front of No.24 Empire Street or investigate other potential treatments so that she can safely access her property at all times. Ms Martinello advised that the recommendation noted that the original proposal was not supported due to lack of support from the immediately impacted property which is No.24. Ms Martinello noted that she is also severely impacted at No.26 and has advised that she has reported instances of illegal parking to Council numerous times. Ms Martinello stated that the issue arises from cars parking in the 4m kerb space advising that the 4m space is insufficient for today's vehicles as the minimum requirement for a car space is 5.4 meters long. Ms Martinello also noted that Council has acknowledged that this kerb space is too small for cars to park in the report. Ms Martinello advised that when cars overhang and obstruct access to her driveway, it causes safety and access issues. Ms Martinello advised that the issue has caused her significant distress with previous instances of her not being able to access her driveway.

Public Speaker Rosanna Martinello left the meeting at 11.58am.

Council Officers suggested deferring the item to allow for further investigations to take place.

The Chairperson suggested investigating the possibility of angled parking to help alleviate some of the parking issues in the area.

The Committee members agreed with the amended recommendation.

COMMITTEE RECOMMENDATION:

That the proposed 4m length 'Motor Bike Parking' zone between the driveway of No.24 and No.26 Empire Street, Haberfield be deferred for officers to undertake investigation into other options.

For Motion: Unanimous

LTC1224(1) Item 6 Evans Street at Mansfield Street, Rozelle- Proposed Raised Pedestrian Crossing

SUMMARY

Council is planning to improve safety for pedestrians in Evans Street and Mansfield Street, Rozelle by constructing a new raised pedestrian crossing in Evans Street and kerb extensions in Mansfield Street. The proposal aims to improve pedestrian and motorist safety by defining safe pedestrian crossing points, improving sight distances, reducing traffic speeds and conflicts with traffic movements at this location.

This project was one of the recommendations from the Balmain Local Area Traffic Management (LATM) study adopted by Council on 10 October 2023.

It is proposed to adjust the existing 'No Stopping' zones in Evans Street to facilitate implementation of the new raised pedestrian crossing. This will result in the loss of two (2) existing on-street parking spaces in Evans Street. The remainder of the works will generally be within the existing 'No Stopping' zones of Evans Street and Mansfield Street and therefore will not impact parking spaces at these locations.

Officers Recommendation:

That the attached detailed design plan (No.10307-B) for the proposed new raised pedestrian crossing and kerb extensions on Evans Street at Mansfield Street, Rozelle be approved.

DISCUSSION:

The Committee members agreed with the Officer's recommendation.

COMMITTEE RECOMMENDATION:

That the attached detailed design plan (No.10307-B) for the proposed new raised pedestrian crossing and kerb extensions on Evans Street at Mansfield Street, Rozelle be approved.

For Motion: Unanimous

LTC1224(1) Item 7 Elizabeth Street, Ashfield (Frederick Street to Nixon Avenue)- Pedestrian and Parking facility improvements (Djarrawunang-Ashfield Ward/Summer Hill Electorate/Burwood PAC)

SUMMARY

Council is planning to improve safety in Elizabeth Street (between Frederick St to Nixon Avenue), Ashfield by constructing a new kerb realignment, kerb extension and kerb blister islands with in-built kerb ramps along this section of road.

The proposal aims to improve pedestrian and motorist safety by better defining safe pedestrian crossing points, providing more road width for parking, and addressing pedestrian safety and driver behaviour at this location.

Officers Recommendation:

That the detailed design plans (10295-1 sheets 1-2, 10295-2 & 10295-3) for proposed new kerb realignment, kerb extension and kerb blister islands with in-built kerb ramps, with associated signs and line marking in Elizabeth Street, between Frederick Street and Nixon Avenue, Ashfield, as shown in *Attachments 1, 2 and 3* respectively, be approved.

DISCUSSION:

The Representative for the Member of Summer Hill questioned if the kerb extensions near the roundabout will affect bus services. Council Officers advised that the kerb extension should not affect the buses noting that turning templates were completed to ensure that vehicles could still maneuver the turns and that the roundabout is mountable to allow for buses to drive straight.

The Committee members agreed with the Officer's recommendation.

COMMITTEE RECOMMENDATION:

That the detailed design plans (10295-1 sheets 1-2, 10295-2 & 10295-3) for proposed new kerb realignment, kerb extension and kerb blister islands with in-built kerb ramps, with associated signs and line marking in Elizabeth Street, between Frederick Street and Nixon Avenue, Ashfield, as shown in *Attachments 1, 2 and 3* of the Local Traffic Committee report respectively, be approved.

For Motion: Unanimous

LTC1224(1) Item 8 Clissold Street, at Holden Street, Ashfield- new at-grade (road level) Pedestrian (zebra) crossing (Djarrawunang-Ashfield Ward/Summer Hill Electorate/Burwood PAC)

SUMMARY

Council at its meetings on the 18 March 2024 approved in principle, subject to detailed design, a series of proposed pedestrian (zebra) crossings and kerb extension treatments (under concept) with other auxiliary works (i.e. relocation of bus stops, inclusion of raised platform thresholds) for improved pedestrian and road safety around and near to the Cardinal Freeman (Retirement) Village, Ashfield.

This report describes the detailed design plan for the proposed treatments involving the placing of a pedestrian (zebra) crossing in Clissold Street, at the intersection of Holden Street, Ashfield. This work is programmed and is envisaged to be constructed in the 2025/2026 financial year, subject to funding.

Officers Recommendation:

That the detailed design plan (10301) for a proposed new at-grade (road level pedestrian (zebra) crossing in Clissold Street at the intersection with Holden Street, Ashfield, with associated signs and line marking as shown in *Attachment 1* be approved.

DISCUSSION:

Council Officers and Representative for Transport for NSW noted and agreed that they would move the pedestrian crossing back 5.5metres or as far as feasible from the intersection and 'Give Way' line.

The Committee members agreed with the amended recommendation.

COMMITTEE RECOMMENDATION:

That the detailed design plan (10301) for a proposed new at-grade (road level pedestrian (zebra) crossing in Clissold Street at the intersection with Holden Street, Ashfield, with associated signs and line marking as shown in *Attachment 1* of the Local Traffic Committee report be approved subject to the crossing being located by up to 5.5m back from the Give Way holding line.

For Motion: Unanimous

**LTC1224(1) Item 9 Queen Street, between Hillcrest Avenue & New Street, Ashfield-Pedestrian Safety & Traffic improvement works.
(Djarrawunang-Ashfield Ward/Summer Hill Electorate/Burwood PAC)**

SUMMARY

Council at its meetings on the 18 March 2024 approved in principle, subject to detailed design, a series of proposed pedestrian (zebra) crossings and kerb extension treatments (under concept) with other auxiliary works (i.e. relocation of bus stops, inclusion of raised platform thresholds) for improved pedestrian and road safety around and near to the Cardinal Freeman (Retirement) Village, Ashfield.

This report describes the detailed design plans for proposed corridor treatments along Queen Street between Hillcrest Avenue and New Street. The works involve placing in new raised platform thresholds and raised pedestrian (zebra) crossing in Queen Street, at/near the intersections with Seaview Street and Clissold Street; kerb blister island/extensions to the intersections of Queen Street at Seaview Street and Clissold Street; relocation of Bus Stops away of the proposed crossings; and removal of existing horizontal chicanes to provide additional parking in the area.

This work is programmed and is envisaged to be constructed in the 2025/2026 financial year, subject to funding.

Officers Recommendation:

That the detailed design plan (10303-sheets 1 to 5) for a proposed corridor treatment of new raised pedestrian (zebra) crossings, new raised platform thresholds, new kerb blister islands/extensions to intersections, bus stop relocations and associated signposting and line marking in Queen Street between Hillcrest Avenue and New Street, Ashfield, as shown in Attachment 1 be approved.

DISCUSSION:

The Committee members agreed with the Officer's recommendation.

COMMITTEE RECOMMENDATION:

That the detailed design plan (10303-sheets 1 to 5) for a proposed corridor treatment of new raised pedestrian (zebra) crossings, new raised platform thresholds, new kerb blister islands/extensions to intersections, bus stop relocations and associated signposting and line marking in Queen Street between Hillcrest Avenue and New Street, Ashfield, as shown in Attachment 1 of the Local Traffic Committee report be approved.

For Motion: Unanimous

LTC1224(1) Item 10 Norton Street, Ashfield (between A'Beckett Avenue to Carlisle Street) - Proposed improved Pedestrian Facility and Traffic Calming Works (Djarrawunang-Ashfield Ward/ Summer Hill Electorate/ Burwood PAC)

SUMMARY

Council is planning to improve pedestrian and motorist safety in Norton Street, Ashfield from A'Beckett Avenue to Carlisle Street, by constructing various traffic calming facilities including raised thresholds, raised pedestrian crossing, landscaped kerb blister islands, pedestrian refuge islands and lane delineation markings. The proposal aims to improve safety for pedestrians and motorists by better defining crossing points, reducing conflicts with traffic movements, and reducing traffic speeds. This will help address concerns with pedestrian and motorist behaviour in this area, particularly during busy periods.

Officers Recommendation:

1. That the detailed design plans (10262 Sheets 1 to 4) for proposed corridor treatments comprising of raised thresholds, raised pedestrian (zebra) crossing, kerb-blister islands and pedestrian refuges and lane delineation markings with associated signposting along Norton Street between A'Beckett Avenue to Carlisle Street, and the intersections of Carlisle Street, Miller Avenue and Knox Streets, as shown in Attachment 1, be approved.
2. That the detailed design plans (10262 Sheets 5-8) as approved by Council at its meeting on 10 October 2023, be noted.

DISCUSSION:

The Committee members agreed with the Officer's recommendation.

COMMITTEE RECOMMENDATION:

1. That the detailed design plans (10262 Sheets 1 to 4) for proposed corridor treatments comprising of raised thresholds, raised pedestrian (zebra) crossing, kerb-blister islands and pedestrian refuges and lane delineation markings with associated signposting along Norton Street between A'Beckett Avenue to Carlisle Street, and the intersections of Carlisle Street, Miller Avenue and Knox Streets, as shown in Attachment 1 of the Local Traffic Committee report be approved.
2. That the detailed design plans (10262 Sheets 5-8) as approved by Council at its meeting on 10 October 2023, be noted.

For Motion: Unanimous

LTC1224(1) Item 11 Burrows Avenue and Railway Road, Sydenham - Proposed Bus layover and parking changes (Midjuburi - Marrickville Ward / Heffron Electorate / Inner West PAC)

SUMMARY

This report follows a previous report to an Extraordinary Local Traffic Committee Meeting on Monday 3 June 2024 in which the proposed bus layover and parking changes along Burrows

Avenue and Railway Road, Sydenham were detailed. At the meeting the Transport for NSW representative requested this item be deferred on the basis that the proposed layover will be going to a Review of Environmental Factors (REF) process and once the REF had been determined, Transport for New South Wales (TfNSW) would again request that this matter be brought back to the LTC for consideration. The Traffic Committee therefore recommended that “the Burrows Avenue and Railway Road, Sydenham - Proposed Bus layover and parking changes, be deferred”.

Transport for New South Wales (TfNSW) has approached Council with regards to a proposal for the construction of a bus layover area in Burrows Avenue, west of Gleeson Avenue, Sydenham. The designated bus layover area is required at Sydenham Station to cater for the growing number of bus services in this area. Prior to picking up passengers, buses currently park along Burrows Avenue which creates congestion and safety issues for pedestrians and drivers. The bus layover area will store up to 6 buses. The existing unrestricted parking spaces (approximately 11 spaces) on the south side of Burrows Avenue (adjacent to the vacant property) and six (6) 90-degree angle parking spaces on the north side of Burrows Avenue will be lost as a result of the proposal. In response to this loss of parking it is proposed to convert the parallel parking on the east side of Railway Road to 45-degree rear to kerb parking to lessen the impact from the loss of parking because of this proposal.

Community engagement was initially undertaken on Friday 24 November to Friday 8 December 2023. Community notifications, letterbox dropped, and nearby properties door knocked on Railway Road, Burrows Avenue and Wright Street were part of the consultation process. Results of this community engagement process and related parking study (Parking Data Report) were table in the report that was presented to the Extraordinary Local Traffic Committee Meeting on Monday 3 June 2024. Subsequently a Review of Environmental Factors (REF) report was completed in July 2024, and this has been provided to address issues arising because of both operational and construction matters from this project (refer to attachment 1 - Sydenham Bus Layover - Review of Environmental Factors July 2024).

It is recommended that Council approve the signs and line marking plan (drawing no. 520212-AURC-038-RW-DRG-002001, sheet 10 of 41 dated 4 July 2024)

Officers Recommendation:

That the detail design drawing for the on-road changes associated with the proposed construction of a bus layover area in Burrows Avenue, west of Gleeson Avenue, Sydenham (as per attached drawing “Sydenham Station Bus Layover Burrows Avenue and Railway Road Signs and line marking plan” by Aurecon, dated 4/7/24, drawing no. 520212-AURC-038-RW-DRG-002001, sheet 10 of 41) be approved, subject to the following conditions:

- a) TfNSW monitor the interaction between buses and vehicles along Railway Road (one way) and Burrows Road over the next 12 months and implement further traffic control measures should they be required.

DISCUSSION:

Public Speaker Manjur Rahman entered the meeting at 12.26 pm.

Mr Rahman advised that Transport for NSW (TfNSW) have been managing the design and development of the bus layover project along Burrows Avenue, Sydenham. It was noted that given the importance of the station as a major transport interchange and that bus operators are missing the ability to layover and terminate between services. Mr Rahman advised in order to address these issues; Transport for NSW is proposing to create a bus layover for the buses to use along Burrows Avenue. Mr Rahman advised that this proposal includes a plan to have 6, 16 metre bus spaces, 1 amenity block and some changes to the current parking arrangements in the area noting this will remove 11 parking spaces on Burrows Avenue. It was noted that removal of those parking spaces will allow for buses to maneuver and egress safely. Mr Rahman advised that there were plans to convert 8 parallel parking spaces

along the eastern side of Railway Road into 13, 45-degree angle car parking spaces to reduce the impact of the parking loss.

The Chairperson queried whether buses would be able to layover at Tempe Depot instead as the depot has all the required facilities and it will cause fewer parking disruptions in the local area. Mr Rahman advised they have considered that possibility however found that the depot did not have the capacity to take on the extra buses and that factors such as time, and traffic were also taken into consideration if buses were to layover at Tempe Depot.

The Chairperson queried if there was a requirement to stack the buses in such a way that would require 11 parking spaces to be removed from the community and whether there would be another way to utilise the site so that there was less of an impact on parking for the community. Mr Rahman advised that various options were explored to ensure minimal impact on parking and that those options were discussed with Council and that this option was concluded to be the optimal option.

Council Officers questioned why there was a need for 6 bus layover spaces. Mr Rahman advised the bus planners have asked for more spaces and that 6 spaces were the maximum Transport for NSW could allocate for the buses. Council Officers questioned if there would be any other opportunities for bus layovers to take place if the area reduces the number of parking spaces taken from the community. Mr Rahman advised that there are currently no other layover locations identified in the vicinity of Sydenham Station, so the current area identified is the best possible location for the layover. Council Officers noted that Burrows Avenue has the capacity for buses to layover on the opposite side of the Gleeson Road intersection, adjacent to the station and questioned whether this option was explored as a possibility. Mr Rahman advised that the option was explored by the team and was deemed to not be a feasible option. The Representative for Transport for NSW added that the reason this was considered not to be a feasible option was due to plans of having a cycleway put in on the opposite side of Burrows Avenue. It was noted that there would be signal upgrades at the intersection of Unwins Bridge Road and Hogan Street to assist with bus access if a bus layover area was placed adjacent to the station on Burrows Avenue and that due to the active transport link along Burrows Avenue the presence of idling buses would cause safety issues.

The Chairperson questioned if the options that were considered by Transport for NSW could be shared with the committee. Mr Rahman advised he will send the options analysis to the Manager of Traffic and Transport to distribute to the Committee. Council Officers questioned where Transport for NSW was with the approval process for the site and when the construction schedule was for this project. Mr Rahman advised that construction is scheduled to begin in January 2025.

Council Officers requested that subject to the approval of the recommendation, that Transport for NSW review the current design to try to minimise the loss of parking in the area.

The Committee members agreed with the amended recommendation.

COMMITTEE RECOMMENDATION:

That the detail design drawing for the on-road changes associated with the proposed construction of a bus layover area in Burrows Avenue, west of Gleeson Avenue, Sydenham (as per attached drawing “Sydenham Station Bus Layover Burrows Avenue and Railway Road Signs and line marking plan” by Aurecon, dated 4/7/24, drawing no. 520212-AURC-038-RW-DRG-002001, sheet 10 of 41) be approved, subject to the following conditions:

- a) TfNSW monitor the interaction between buses and vehicles along Railway Road (one way) and Burrows Road over the next 12 months and implement further traffic control measures should they be required.**

- b) TfNSW investigate amending the design to incorporate additional on-street parking spaces along Burrows Avenue.**

For Motion: Unanimous

LTC1224(1) Item 12 Wardell Road railway overbridge in Dulwich Hill - proposed modification to the existing delineation for associated footpath and barriers works (Midjuburi - Marrickville Ward / Summer Hill Electorate / Inner West PAC)

SUMMARY

As part of Sydney Metro, Sydenham to Bankstown project works to road over rail bridges are being upgrade with barriers (for errant vehicles) and throw screens to meet current safety standards for such bridges. Wardell Road railway bridge amongst other bridges in the LGA is proposed to be upgraded.

This report seeks Council approval to re-adjust existing line markings on Wardell Road Railway overbridge and to undertake necessary road safety barrier works and improvement to the existing footpath widths (by reducing/removing existing road shoulder).

It is recommended that the following changes to the bridge travel lane, shoulder, and footpath as well as changes to the line marking be approved. It is also recommended that a "No Left Turn" ban for vehicles over 6.5m with the exception of Council Waste vehicles be installed for left turning vehicles from Wardell Road into Dudley Street. Finally, that TfNSW monitor the changes made to the bridge over a 12 month period and report back to Council with the outcome of this monitoring including a Post Construction Road Safety Audit. Any costs related to addressing the outcomes of the monitoring period and a Post Construction Road Safety Audit be borne by TfNSW.

Officers Recommendation:

That;

1. The proposed changes to the road widths along Wardell Road rail bridge from 7.8m to 6.6m for footpath widening and road safety barrier works be approved (including adjustment to associated travel lane linemarking)
2. Narrow Bridge (W4-1) signs be installed in Wardell Road (both north and southbound) and in Dudley Street (southwest bound), prior to approaching the railway overbridge.
3. Sydney Metro (TfNSW) undertake all necessary actions (including preparation of a Traffic Management Plan) for the installation of a "No Left Turn; Vehicles under 6.5m and Council Waste Vehicles Excepted" sign on the southbound approach of Dudley Street from Wardell Road.
4. Sydney Metro (TfNSW) monitor the changes made to the bridge over a 12 month period and report back to Council with the outcome of this monitoring including a Post Construction Road Safety Audit. Any costs related to addressing the outcomes of the monitoring period and a Post Construction Road Safety Audit be borne by Sydney Metro.

DISCUSSION:

Public Speakers Ahsanul Amin, Nick Windmiller and Imogen Markus entered the meeting at 12.18 pm.

Mr Windmiller advised that the proposal will assist with the Sydney Metro works in the area which will assist with upgrading Sydney's transport network. Mr Windmiller advised that a risk assessment on errant vehicles entering the corridor and as part of mitigating that risk,

Sydney Metro is proposing to install bridge and road barriers. Mr Windmiller noted that the lane widths will not change and that there will only be minor adjustments to the linemarking. It was noted that there will be a reduction to the shoulder on the lanes to increase the footpath width however this will not impact the swept paths of vehicle movements on the bridge. Mr Windmiller advised there has been an existing issue identified with longer vehicles turning left on Dudley Street, from the Southbound Lane and advised that there was a condition put in place to implement 'No Left Turn' signage. Mr Windmiller advised that this proposal will have a positive impact on transport users, pedestrians, and road safety. Council Officers questioned if Sydney Metro would be happy to go back to monitor the changes to the bridge over 12 months and report back to Council with the changes. Ms Markus noted the recommendation and advised Sydney Metro would be happy to do so.

Public Speakers Ahsanul Amin, Nick Windmiller and Imogen Markus left the meeting at 12.25 pm.

Council Officers advised that Transport for NSW have requested an amendment to part 3 of the recommendation to include a bus exemption on the 'No Left Turn' signage which supports existing bus movements into the street. The Committee members agreed with the amended recommendation.

COMMITTEE RECOMMENDATION:

That;

1. The proposed changes to the road widths along Wardell Road rail bridge from 7.8m to 6.6m for footpath widening and road safety barrier works be approved (including adjustment to associated travel lane linemarking)
2. Narrow Bridge (W4-1) signs be installed in Wardell Road (both north and southbound) and in Dudley Street (southwest bound), prior to approaching the railway overbridge.
3. Sydney Metro (TfNSW) undertake all necessary actions (including preparation of a Traffic Management Plan) for the installation of a "No Left Turn, Vehicles under 6.5m; Council Waste Vehicles and Buses Excepted" sign on the southbound approach of Dudley Street from Wardell Road.
4. Sydney Metro (TfNSW) monitor the changes made to the bridge over a 12 month period and report back to Council with the outcome of this monitoring including a Post Construction Road Safety Audit. Any costs related to addressing the outcomes of the monitoring period and a Post Construction Road Safety Audit be borne by Sydney Metro.

For Motion: Unanimous

LTC1224(1) Item 13 Dulwich Hill Station Precinct - Proposed parking changes (Djarrawunang-Dulwich Hill Ward/Summer Hill Electorate/Inner West PAC)

SUMMARY

This report outlines the parking investigations completed in the Dulwich Hill Station Precinct following the completion of the Public Domain Improvement works. The proposed parking changes seek to provide more flexible parking options and improve turnover of parking in the morning and on Saturdays, particularly within the Precinct along Wardell Road. Furthermore, parking adjustments are also proposed on Dudley Street to provide more parking and improve loading and unloading operations.

Officers Recommendation:

That the following parking changes within the Dulwich Hill Station Precinct be approved:

1. the reallocation of three (3) timed parking restrictions signposted as '1P 8.30am-6pm Mon-Fri; 8.30am-12.30pm Sat' to 'P30 minute 8am-6pm Mon-Fri; 8am-4pm Sat' on the western side of Wardell Road north of Ewart Street,
2. the reallocation of four (4) timed parking restrictions signposted as '1P 8.30am-6pm Mon-Fri; 8.30am-12.30pm Sat' to '1P 8am-6pm Mon-Fri; 8am-4pm Sat' on the western side of Wardell Road, north of Ewart Street,
3. the reallocation of 4.5 metres of the existing 'Bus Zone' to '1P 8am-6pm Mon-Fri; 8am-4pm Sat' on the western side of Wardell Road, north of Ewart Street,
4. the reallocation of the 18 metre 'Bus Zone' to 'P30 minute 9.30am-2.30pm, 4pm-6pm Mon-Fri; 8am-4pm Sat, Bus Zone 8am-9.30am, 2.30pm-4pm Mon-Fri' on the western side of Wardell Road, north of Ewart Street,
5. the reallocation of 16 metres of the existing 'No Parking' restriction on the eastern side of Wardell Road, north of Ewart Street to 'P30 minute 8am-6pm Mon-Fri; 8am-4pm Sat',
6. the reallocation of five (5) timed parking restrictions signposted as '1P 8.30am-6pm Mon-Fri; 8.30am-12.30pm Sat' to '1P 8am-6pm Mon-Fri; 8am-4pm Sat' on the eastern side of Wardell Road, north of Ewart Street,
7. the reallocation of two (2) timed parking restrictions signposted as '1P 8.30am-6pm Mon-Fri; 8.30am-12.30pm Sat' to 'P30 minute 8am-6pm Mon-Fri; 8am-4pm Sat' on the eastern side of Wardell Road, north of Ewart Street,
8. the reallocation of the 'Loading Zone 8.30am-6pm Mon-Fri; 8.30am-12.30pm Sat' and 'No Stopping' restrictions on the northern side of Dudley Street, west of School Parade to '1P 8am-6pm Mon-Fri; 8am-4pm Sat',
9. the allocation of three (3) motorcycle parking spaces to the 3.6 metre unallocated kerb length on the southern side of Dudley Street, west of School Parade
10. the reallocation of eight (8) metres from the existing temporary bus zone on the southern side of Dudley Street to 'Loading Zone 8am-6pm'
11. the 26-metre-long temporary bus zone on the southern side of Dudley Street, west be made a permanent bus zone (there are no changes to the 'Bus Zone' signposting);
12. the reallocation of four (4) timed parking restrictions signposted as '1P 9am-5pm Mon-Fri' to '1P 8am-6pm Mon-Fri; 8am-4pm Sat' on the western side of Wardell Road, north of Bedford Crescent,
13. the reallocation of one (1) timed parking restrictions signposted as '1P 9am-5pm Mon-Fri' to 'P30 minute 8am-6pm Mon-Fri on the western side of Wardell Road, north of Bedford Crescent; and
14. the reallocation of two (2) timed parking restrictions signposted as '2P 9am-5pm Mon-Fri' to '2P 8am-6pm Mon-Fri; 8am-4pm Sat' on the northern side of Bedford Crescent, west of Wardell Road.

DISCUSSION:

Council Officers advised that Transport for NSW have issues with parts of the recommendation and has proposed to defer parts 3, 4, 5, 10, and 11 of the recommendation as well as the reallocation of the 'Loading Zone 8.30am-6pm Mon-Fri ;8.30am-12.30pm Sat' in part 8 of the recommendation.

Council Officers noted that Transport for NSW have concerns regarding the reduction of the capacity of the 'No Stopping' zones near signalised intersections as well as the removal of the existing temporary bus zone on the southern side of Dudley Street in case it may be needed to assist with operations to the train station.

It was noted that Council Officers will further discuss with Transport for NSW and will bring back a separate report on these items for the Committees review and consideration.

The Committee members agreed with the amended recommendation.

COMMITTEE RECOMMENDATION:

That the following parking changes within the Dulwich Hill Station Precinct be approved:

1. the reallocation of three (3) timed parking restrictions signposted as '1P 8.30am-6pm Mon-Fri; 8.30am-12.30pm Sat' to 'P30 minute 8am-6pm Mon-Fri; 8am-4pm Sat' on the western side of Wardell Road north of Ewart Street,
2. the reallocation of four (4) timed parking restrictions signposted as '1P 8.30am-6pm Mon-Fri; 8.30am-12.30pm Sat' to '1P 8am-6pm Mon-Fri; 8am-4pm Sat' on the western side of Wardell Road, north of Ewart Street,
3. the reallocation of five (5) timed parking restrictions signposted as '1P 8.30am-6pm Mon-Fri; 8.30am-12.30pm Sat' to '1P 8am-6pm Mon-Fri; 8am-4pm Sat' on the eastern side of Wardell Road, north of Ewart Street,
4. the reallocation of two (2) timed parking restrictions signposted as '1P 8.30am-6pm Mon-Fri; 8.30am-12.30pm Sat' to 'P30 minute 8am-6pm Mon-Fri; 8am-4pm Sat' on the eastern side of Wardell Road, north of Ewart Street,
5. the reallocation of the 'No Stopping' restrictions on the northern side of Dudley Street, west of School Parade to '1P 8am-6pm Mon-Fri; 8am-4pm Sat',
6. the allocation of three (3) motorcycle parking spaces to the 3.6 metre unallocated kerb length on the southern side of Dudley Street, west of School Parade
7. the reallocation of four (4) timed parking restrictions signposted as '1P 9am-5pm Mon-Fri' to '1P 8am-6pm Mon-Fri; 8am-4pm Sat' on the western side of Wardell Road, north of Bedford Crescent,
8. the reallocation of one (1) timed parking restrictions signposted as '1P 9am-5pm Mon-Fri' to 'P30 minute 8am-6pm Mon-Fri on the western side of Wardell Road, north of Bedford Crescent; and
9. the reallocation of two (2) timed parking restrictions signposted as '2P 9am-5pm Mon-Fri' to '2P 8am-6pm Mon-Fri; 8am-4pm Sat' on the northern side of Bedford Crescent, west of Wardell Road.

That the following parking changes within the Dulwich Hill Station Precinct be deferred for further investigation:

1. the reallocation of 4.5 metres of the existing 'Bus Zone' to '1P 8am-6pm Mon-Fri; 8am-4pm Sat' on the western side of Wardell Road, north of Ewart Street,
2. the reallocation of the 18 metre 'Bus Zone' to 'P30 minute 9.30am-2.30pm, 4pm-6pm Mon-Fri; 8am-4pm Sat, Bus Zone 8am-9.30am, 2.30pm-4pm Mon-Fri' on the western side of Wardell Road, north of Ewart Street,
3. the reallocation of 16 metres of the existing 'No Parking' restriction on the eastern side of Wardell Road, north of Ewart Street to 'P30 minute 8am-6pm Mon-Fri; 8am-4pm Sat',
4. the reallocation of eight (8) metres from the existing temporary bus zone on the southern side of Dudley Street to 'Loading Zone 8am-6pm'
5. the 26-metre-long temporary bus zone on the southern side of Dudley Street, west be made a permanent bus zone (there are no changes to the 'Bus Zone' signposting)
6. the reallocation of the 'Loading Zone 8.30am-6pm Mon-Fri; 8.30am-12.30pm Sat'

For Motion: Unanimous

LTC1224(1) Item 14 Douglas Lane, Stanmore - Proposed 'No Parking' and 'No Stopping' restrictions (Damun-Stanmore Ward/Newtown

Electorate/Inner West PAC)

SUMMARY

This report discusses parking and access issues in Douglas Lane, Stanmore and proposes parking restrictions in Douglas Lane to improve access and parking for households on Douglas and Temple Streets. In addition, it also recommends further consultation be completed on a proposal to install timed permit parking restrictions on Douglas Street to improve parking opportunities for households with limited or no-off street parking.

Officers Recommendation:

That:

1. 'No Parking' restrictions on both sides of Douglas Lane between Percival Lane West and Bruce Lane East, Stanmore be installed,
2. An 8.5 metre 'No Stopping' restriction on the northern side of Douglas Lane, east of Bruce Lane East be installed,
3. A 10 metre 'No Stopping' restriction on the northern side of Douglas Lane, west of Percival Lane West be installed,
4. A 6 metre 'No Stopping' restriction on the southern side of Douglas Lane, west of Percival Lane West be installed,
5. A 10 metre 'No Stopping' restriction on the southern side of Douglas Lane, east of Bruce Lane East be installed,
6. A 10 metre 'No Stopping' restriction on the eastern side of Bruce Lane East, south of Douglas Lane be installed, and
7. Council officers carry out a community consultation on a proposal to extend the Area M17 Resident Parking Scheme to the northern side of Douglas Street between no. 40 and no.64 Douglas Street, Stanmore.

DISCUSSION:

Public Speakers Fernando Guerrero, Bret Tombs and Marijke Tombs entered the meeting at 12.01pm

Mr Fernando, Mr Tombs, and Ms Tombs objected to the recommendation and expressed concerns that the proposed restrictions will create significant challenges for residents who rely on Douglas Lane for essential daily activities. Mr Tombs advised that the proposed changes would severely impact residents who need to temporarily park in the lane to access their homes for reasons such as transporting groceries and supplies to their homes and supporting elderly, disabled, or young family members who require close, safe access to their homes. Mr Tombs noted that forcing residents to park further away from their homes would make these tasks more difficult and unsafe particularly for families with young children or those assisting vulnerable family members. Mr Tombs noted that the proposed restrictions would exacerbate existing parking challenges in the area as Douglas Street residents are currently excluded from the Resident Parking Scheme, leaving them with limited parking options near their homes and that the proximity to Stanmore Station from Douglas Street further adds to parking pressures in the area. Mr Tombs advised that he has spoken to his neighbours regarding his concerns and since the notification of this Local Traffic Committee meeting and he has created a petition opposing the proposed 'No Parking' restrictions in Douglas Lane. He explained that his neighbours who are elderly or have English as a second language and face barriers voicing their opinions and are notable to fully participate in the matter. It was noted that due to the limited time, Mr Tombs was only able to visit 14 residences on Douglas Street the previous day, and of the 14 residences visited, 13 had signed his petition. Mr Tombs advised he will continue to visit residences in Douglas and Temple Streets and will submit an updated petition to Council once completed. Mr Tombs suggested that Council abandon the proposal for a blanket 'No Parking Zone' as this will take away the resident's ability to temporarily park in Douglas Lane to do essential activities and

consider timed parking to deter long term parking. Mr Tombs also suggested the possibility of extending the Resident Parking Scheme to Douglas Street and that the 'No Parking Zone' outside of 26 to 40 Douglas Street be amended so that the 'No Parking Zone' is enforceable during peak hours as this will help create additional parking opportunities for residents without affecting the traffic flow during peak hours.

Coordinator Traffic Engineering Services (South) questioned whether implementing a Resident Parking Scheme in Douglas Street will make a difference in implementing the proposed restrictions in Douglas Lane and if residents would be more supportive of the proposed restrictions to be implemented in Douglas Lane. Mr Guerrierio advised that there would be no need to implement the restrictions in Douglas Lane if a Resident Parking Scheme was in place there would be no issues in Douglas Lane. Mr Tombs advised he would still not be supportive of the proposed restrictions in Douglas Lane as he often uses the lane to temporarily park to safely access his property.

Coordinator Traffic Engineering Services (South) questioned what the speakers' thoughts were on implementing the 'No Stopping' restrictions on the corners of Douglas Lane. Mr Tombs advised that he understood the implementation of the 'No Stopping' restrictions on the corners however was advised that there was a possibility that the 6 metre 'No Stopping' restriction would come the side of his driveway which would still make it impossible for him to unload goods from his vehicle or assist vulnerable family members with accessing the property.

Coordinator Traffic Engineering Services (South) noted that the majority of Douglas Lane provide rear access to properties driveways and questioned if most people park in front of their driveways. Mr Tombs advised this was not the case and that issue seems to stem from a neighbour dispute whereby a neighbour is parking in front of someone's garage door that has no driveway access. Mr Guerrierio advised that the solution to this issue would be to just implement 'No Parking' restrictions in the affected area rather than having the implementing 'No Parking' in the whole laneway.

Public Speakers Fernando Guerrierio, Bret Tombs and Marijke Tombs left the meeting at 12.17 pm.

Council Officers suggested deferring the proposed 'No Parking' and 'No Stopping' restrictions in Douglas Lane, Stanmore for further investigation and to also investigate the extension of the Resident Parking Scheme to Douglas Street Stanmore.

The Committee members agreed with the amended recommendation.

COMMITTEE RECOMMENDATION:

That the proposed 'No Parking' and 'No Stopping' restrictions in Douglas Street, Stanmore be deferred for further investigation.

For Motion: Unanimous

LTC1224(1) Item 15 Griffiths Street, Tempe - Request for extension of existing M18 residential parking scheme - resident parking questionnaire survey results (Midjuburi-Marrickville Ward/Heffron Electorate/Inner West PAC)

SUMMARY

This report outlines a resident permit parking scheme investigation completed in Griffiths Street and surrounding streets near Tempe Station and assesses whether permit parking

restrictions can be considered to address commuter/long-term parking problems. The investigation found that parking occupancy rates on Griffiths Street is approximately 85 per cent (84 per cent) with some level of commuter parking. Community consultation revealed strong support for timed permit parking restrictions on Griffiths Street. Concerns were raised by nearby streets such as Station and Nicholson Streets about redistribution of parking. The redistribution of commuter parking is estimated to be low, and adjacent streets can also formally request for Council officers to investigate further timed permit parking restrictions. Accordingly, timed permit parking restrictions are recommended on Griffiths Street to improve parking opportunities for households.

Officers Recommendation:

That the proposal to implement Resident Parking Scheme (RPS) Restrictions '2P 8.30am-10pm Mon-Fri Permit Holders Excepted Area M18' on the eastern side of Griffiths Street, south of Station Street be approved.

DISCUSSION:

The Committee members agreed with the Officer's recommendation.

COMMITTEE RECOMMENDATION:

That the proposal to implement Resident Parking Scheme (RPS) Restrictions '2P 8.30am-10pm Mon-Fri Permit Holders Excepted Area M18' on the eastern side of Griffiths Street, south of Station Street be approved.

For Motion: Unanimous

LTC1224(1) Item 16 Lincoln Street, Stanmore - Proposed angle parking (Damun-Stanmore Electorate/Newtown Electorate/Inner West PAC)

SUMMARY

This report outlines a parking investigation completed in Lincoln Street, Stanmore to assess parking conditions. The investigation revealed adequate parking capacity in Lincoln Street, however, nearby parking generators such as Bain Playground may affect parking opportunities. Accordingly, the conversion of some parallel parking spaces to angle parking is proposed. Following community consultation, this proposal was further refined to minimise household impact. Subsequently, five (5) angle parking spaces are proposed, gaining two (2) parking spaces on Lincoln Street. In addition, 'No Stopping' restrictions are proposed at the dead-end to provide a turnaround area for motorists.

Officers Recommendation:

That the conversion of two parallel parking spaces to five (5) 90-degree angle parking spaces, and the 'No Stopping' restrictions (for a length of 15m from Salisbury Road) adjacent to Bain Playground on Lincoln Street, Stanmore be approved as per *Attachment 2*.

DISCUSSION:

The Representative for the Inner West Bicycle Coalition requested that proposed parking spaces be made 90-degree angle rear to kerb parking.

Council Officers advised that there are no objections to incorporating rear to kerb parking into the recommendation.

The Committee members agreed with the Officer's recommendation.

COMMITTEE RECOMMENDATION:

That the conversion of two parallel parking spaces to five (5) 90-degree (rear to kerb) angle parking spaces, and the 'No Stopping' restrictions (for a length of 15m from Salisbury Road) adjacent to Bain Playground on Lincoln Street, Stanmore be approved as per *Attachment 2 of the Local Traffic Committee report*.

For Motion: Unanimous

**LTC1224(1) Item 17 Fredbert Street, Lilyfield - Resident Parking Scheme Removal
(Baludarri-Balmain Ward/Balmain Electorate/Leichhardt PAC)**

SUMMARY

The residents of Fredbert Street, Lilyfield have raised concerns regarding the parking restriction in their street. They have submitted a petition stating that the existing parking restriction '2P 8am-1pm Sat, Permit Holders Excepted Area LY' is too restrictive for their visitors and have requested for the removal of the restrictions.

Officers Recommendation:

That:

1. The removal of '2P 8am-1pm Sat, Permit Holders Excepted Area LY' on both sides of Fredbert Street, Lilyfield be approved.
2. It be noted that a 24-month Resident Parking Scheme investigation moratorium period will be in effect for Fredbert Street, Lilyfield

DISCUSSION:

The Committee members agreed with the Officer's recommendation.

COMMITTEE RECOMMENDATION:

That:

1. The removal of '2P 8am-1pm Sat, Permit Holders Excepted Area LY' on both sides of Fredbert Street, Lilyfield be approved.
2. It be noted that a 24-month Resident Parking Scheme investigation moratorium period will be in effect for Fredbert Street, Lilyfield

For Motion: Unanimous

**LTC1224(1) Item 18 Review of proposed resident parking scheme in Croydon
(Gulgadya-Leichhardt Ward & Djarrawunang-Ashfield Ward/Summer Hill Electorate/Burwood PAC)**

SUMMARY

Council has received requests from residents to review and consider introducing a Resident Parking Scheme (RPS) in various streets of Croydon around the Ashfield Aquatic Centre, Croydon Station, and the major school being the Presbyterian Ladies College (PLC).

A recent occupancy survey has identified varied streets or sections of streets, (14 in all as shown in *Attachment 1*) with high occupancy levels, to be considered under a proposed Resident Parking Scheme (RPS) for Croydon.

Under the current Public Domain Parking Policy for the Inner West Council which identifies eligibility criteria for an RPS; Section 7.20 Parking Scheme Investigations and Development- Level of Support- advises as follows:

Council will generally not proceed with implementation of a parking scheme or changes to an existing parking scheme in isolation from a precinct wide parking study unless at least 65% of respondents, from different households within the proposed zone, support the proposal and provided a minimum response rate of 30% of households is achieved to Council's survey.

A survey of responses is therefore tabled in *Attachment 2*. The overall response rate for an area wide inclusion of all the streets under the proposed RPS in this report was low around 17%. Submissions received in support over non-support was around 53%, however the level of support overall was relatively low around 9.1%, showing a low level of support (in the surveyed community) for an area wide RPS. An overall RPS in the area could not be supported.

However, a separate street by street analysis in response and support rate identified that (3) streets or street sections had achieved both sufficient response and support rates or were marginally identified and were weighed up by either a higher response rate or support rate.

These streets, as shown tabled in *Attachment 2*, namely:

- Etonville Avenue (west side) between Elizabeth Street and Anthony Street (having 55% response rate and 60% support rate)
- Croydon Road (west side) between Elizabeth Street and Anthony Street having (33% response rate and 83% support rate)
- Edwin Street (South) (west side) between Thomas Street and Paisley Road (having 25% response rate and 75% support rate)

are therefore recommended for resident parking in the Croydon Area.

The above supported street sections of Etonville Avenue and Edwin Street (South) will be captured under and form as part of an extension of an existing RPS Area 6 which currently has two (2) streets to the north of the railway line, that being Horden Parade and Railway Street. Edwin Street South will be captured under RPS Area 2 to the south of the railway Line. *Attachment 3* shows the above streets relative to the nearby existing RPS streets.

Furthermore section 7.20 of the policy quotes that:

A minimum of 24 months will elapse before Council revisits consideration of parking scheme proposals, unless substantial land use change has subsequently occurred permanently impacting on-street parking in the neighbourhood.

The proposal also included introducing statutory 'No Stopping' restrictions to corners of intersections where such restrictions do not exist.

'No Stopping' with varied lengths are also proposed to corners extending over driveways, next to carpark exits, or around dead-end locations of the street for vehicular sight view and manoeuvrability. It is recommended these restrictions proceed to be implemented to control parking in the area irrespective whether resident parking is implemented or not.

Officers Recommendation:

1. That the following streets (or sections of streets) proposed for a Resident Parking Scheme in Croydon, with the one side of the streets as shown in *Attachment 1*, not be supported.
 - (a) Walter Street, between Thomas Street and Heighway Avenue,
 - (b) Heighway Avenue, between Edwin Street (South) and Frederick Street,
 - (c) Paisley Road, between Edwin Street (South) and Paisley Lane,
 - (d) Bastable Street, between Elizabeth Street to dead end,
 - (e) Elizabeth Street, between Etonville Parade and Croydon Road,
 - (f) Anthony Street, between Croydon Road and Etonville Parade,
 - (g) Anthony Street, between Edwin Street (North) and Croydon Road,
 - (h) Croydon Road, between Anthony Street and Hunt Street,
 - (i) Edwin Street (North), between Anthony Street to dead end,
 - (j) Edwin Street (North), between Elizabeth Street and Anthony Street; and
 - (k) College Street, between Hennessy Street and Elizabeth Street.
2. That the following streets (or section of streets) proposed for resident parking in Croydon, on the one side of the street, be supported and signposted as '2P 8am – 6pm Mon – Fri, Permit Holders Excepted'.
 - (a) Edwin Street (South), between Thomas Street and Paisley Road (west side),
 - (b) Etonville Parade, between Elizabeth Street and Anthony Street (west side); and
 - (c) Croydon Road, between Elizabeth Street and Anthony Street (west side).
3. That the statutory 10 metre length of 'No Stopping' restrictions to corners, and 'No Stopping' restrictions of varied lengths to corners extending over driveways, next to carpark exits, or around dead-end locations of streets for sight view and maneuverability as shown in Diagram Annexure 2, be supported.
- 4. That it be noted that no further review will be carried out for at least a period of 24 months for a Residential Parking Scheme in the subject streets of Croydon, unless substantial land use changes occur to re-visit a scheme beforehand, as per the Inner West Council Public Domain Parking Policy 2020.

DISCUSSION:

The Committee members agreed with the Officer's recommendation.

COMMITTEE RECOMMENDATION:

1. That the following streets (or sections of streets) proposed for a Resident Parking Scheme in Croydon, with the one side of the streets as shown in *Attachment 1*, not be supported.
 - (a) Walter Street, between Thomas Street and Heighway Avenue,
 - (b) Heighway Avenue, between Edwin Street (South) and Frederick Street,
 - (c) Paisley Road, between Edwin Street (South) and Paisley Lane,
 - (d) Bastable Street, between Elizabeth Street to dead end,
 - (e) Elizabeth Street, between Etonville Parade and Croydon Road,
 - (f) Anthony Street, between Croydon Road and Etonville Parade,
 - (g) Anthony Street, between Edwin Street (North) and Croydon Road,
 - (h) Croydon Road, between Anthony Street and Hunt Street,
 - (i) Edwin Street (North), between Anthony Street to dead end,
 - (j) Edwin Street (North), between Elizabeth Street and Anthony Street; and
 - (k) College Street, between Hennessy Street and Elizabeth Street.
2. That the following streets (or section of streets) proposed for resident parking in

Croydon, on the one side of the street, be supported and signposted as '2P 8am – 6pm Mon – Fri, Permit Holders Excepted.

- (a) Edwin Street (South), between Thomas Street and Paisley Road (west side),
- (b) Etonville Parade, between Elizabeth Street and Anthony Street (west side); and
- (c) Croydon Road, between Elizabeth Street and Anthony Street (west side).

3. That the statutory 10 metre length of 'No Stopping' restrictions to corners, and 'No Stopping' restrictions of varied lengths to corners extending over driveways, next to carpark exits, or around dead-end locations of streets for sight view and maneuverability as shown in Diagram Annexure 2, be supported.

- 4. That it be noted that no further review will be carried out for at least a period of 24 months for a Residential Parking Scheme in the subject streets of Croydon, unless substantial land use changes occur to re-visit a scheme beforehand, as per the Inner West Council Public Domain Parking Policy 2020.

For Motion: Unanimous

LTC1224(1) Item 19 West Street and Railway Terrace intersection, Petersham – Traffic and pedestrian safety review - C0924(1) Item 38 Notice of Motion – (Damun-Stanmore Ward / Newtown Electorate / Inner West LAC)

SUMMARY

At the Council Meeting held 3 September 2024 a Notice of Motion for West Street and Railway Terrace Intersection (Item C0924(1) Item 38) was resolved. Part 3 was that Council, noting that both roads concerned are state and regional roads, write to Transport for NSW (TfNSW) in relation to a number of traffic and pedestrian safety improvements at the signalised intersection. This report provides TfNSW's response in regard to Council's letter sent to TfNSW.

Officers Recommendation:

That the report be received and noted.

DISCUSSION:

The Committee members agreed with the Officer's recommendation.

COMMITTEE RECOMMENDATION:

That the report be received and noted.

For Motion: Unanimous

General Business:

Item 20: Cars queuing across the pedestrian crossing on Hardie Avenue at Smith Street, Summer Hill.

The Representative for the Inner West Bicycle Coalition raised concerns regarding vehicles queuing across and blocking the pedestrian crossing on Hardie Avenue at Smith Street,

Summer Hill as they wait for a break in traffic causing difficulties for pedestrians to cross safely. Council Officers advised that the area is being looked at as part of another project Council is undertaking near Lackey Street, Summer Hill.

Meeting closed at 1.55pm.

CHAIRPERSON

Clr Victor Macri.

Item No: LTC0225(1) Item 1

Subject: LOWER RAILWAY PARADE, SYDENHAM – TEMPORARY MEDIUM-TERM 12P PARKING CHANGES DURING MAJOR RAIL SHUTDOWN OF T3 LINE FOR SYDNEY METRO UPGRADE WORKS (MIDJUBURI-MARRICKVILLE WARD / SUMMER HILL ELECTORATE / INNER WEST PAC)

Prepared By: Jennifer Adams - Traffic Engineer

Authorised By: Manod Wickramasinghe - Traffic and Transport Planning Manager

RECOMMENDATION

1. That the following temporary medium-term parking / traffic changes be approved:
 - a) Lower Railway Parade (40 parking spaces) - The medium-term conversion of 109 metres (40 parking spaces) 90 degree angled 'unrestricted parking' on the southeast kerb of Lower Railway Parade (between Gleeson Avenue and Marrickville Road) to '12P' restrictions; and
 - b) Temporarily converting Lower Railway Parade into a single direction entry / exit, subject to implementation of the Traffic Management Plan for the proposed access changes.
2. That the cost of all works of the statement and/or reinstatement of any/all signage will be borne by TfNSW.
3. That the applicant and Council Rangers be advised in terms of this report.

STRATEGIC OBJECTIVE

This report supports the following strategic directions contained within Council's Community Strategic Plan:

2: Liveable, connected neighbourhoods and transport

EXECUTIVE SUMMARY

From Monday 30 September 2024, the T3 Bankstown Line from Sydenham to Bankstown was closed for a 12-month period to enable the final conversion of the 130-year-old line to modern metro standards. A report went to the August 2024 Local Traffic Committee meeting detailing various temporary medium-term parking changes associated with the 12-month T3 shutdown.

Transport for NSW (TfNSW) have notified Council that local businesses along Lower Railway Parade, Sydenham have indicated they are in favour of changing the unrestricted parking in Lower Railway Parade to timed parking to increase availability of spaces for use by customers and employees of the businesses for the remainder of T3 shutdown period.

Specifically, TfNSW is requesting approval for the medium-term conversion of 109 metres (40 parking spaces) 90 degree angled 'unrestricted parking' on the southeast kerb of Lower Railway Parade (between Gleeson Avenue and Marrickville Road) to '12P' restrictions.

BACKGROUND

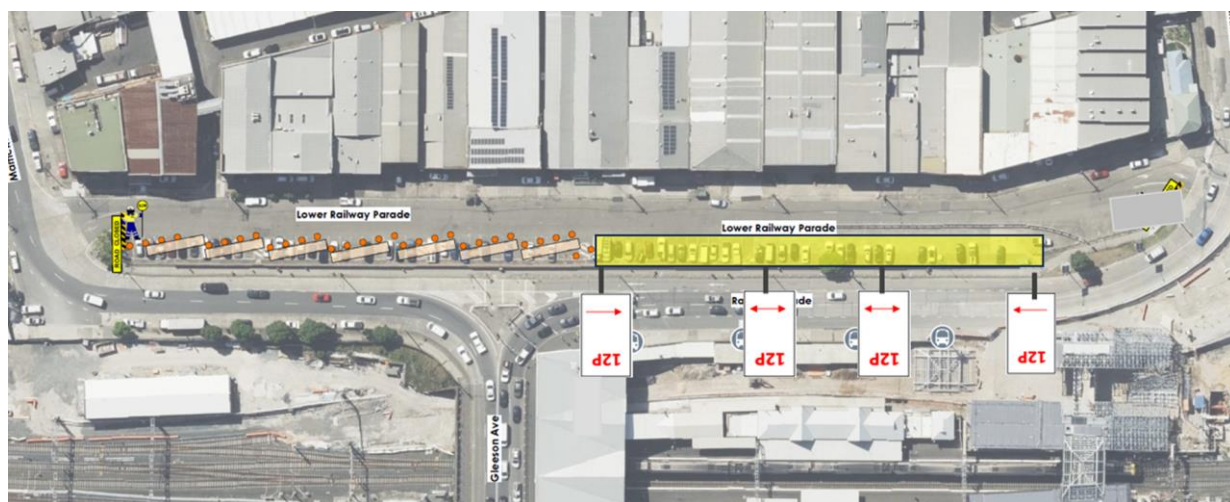
Sydney Metro City & Southwest - Sydenham to Bankstown project will upgrade all 10 stations between Marrickville and Bankstown to meet metro standards before converting the T3

Bankstown Line to Metro operations. Works are now well advanced and the estimated completion date is late 2025.

During the current one-year possession, rail services on the T3 Bankstown Line will not operate and Temporary Transport Plan (TTP) buses, known as 'Southwest Link' are operating instead necessitating some short-term changes in parking at a number of locations. These changes were reported to the Committee in August 2024. Lower Railway Parade in particular lost 29 parking spaces along the southwest kerb of Lower Railway Parade (between Gleeson Avenue and Marrickville Road) to become a 'Bus Zone' accommodating bus layovers.

TfNSW have notified Council that local businesses along Lower Railway Parade, Sydenham have indicated they are in favour of changing the unrestricted parking in Lower Railway Parade to timed parking to increase availability of spaces for use by customers and employees of the businesses for the remainder of T3 shutdown period.

Specifically, TfNSW is requesting approval for the medium-term conversion of 109 metres (40 parking spaces) 90 degree angled 'unrestricted parking' on the southeast kerb of Lower Railway Parade (between Gleeson Avenue and Marrickville Road) to '12P' restrictions. It is expected that the restriction will minimise long term vehicle parking. Refer to the diagram below.

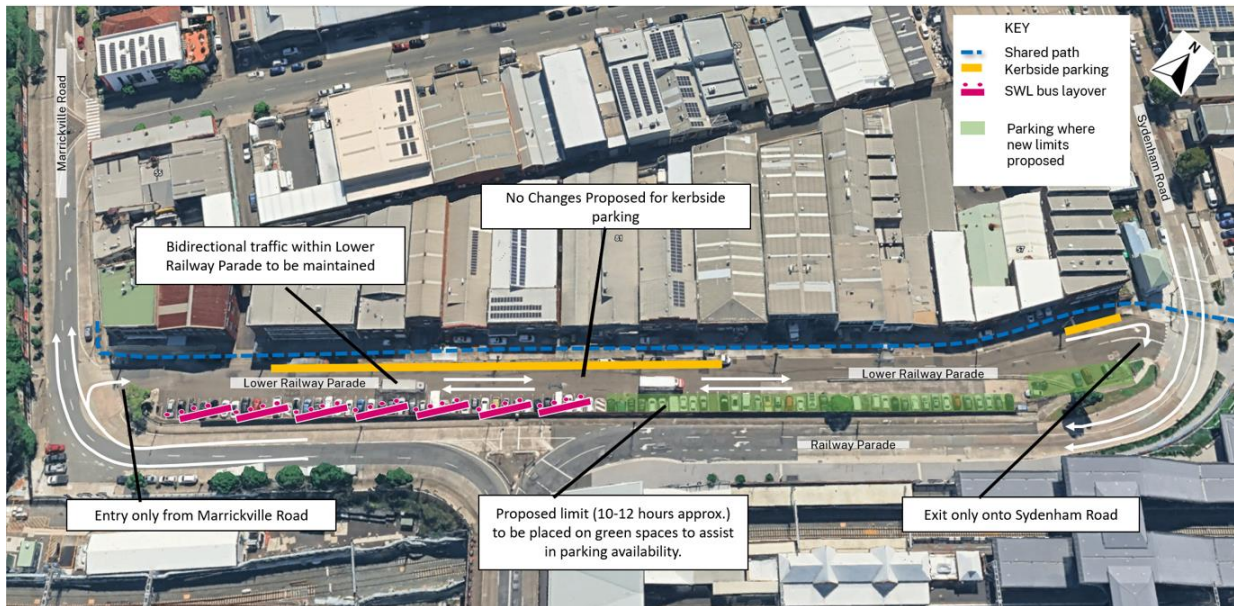


Any changes to street signage/regulatory signage will be made by TfNSW and will be reinstated at the completion of the planned shutdown.

TfNSW has also requested possible temporary changes in the traffic flow in and out of Lower Railway Parade for the remainder of the T3 Shutdown period this involves temporarily converting Lower Railway Parade into a single direction entry whereby:

- Vehicles will only be able to enter but not leave Lower Railway Parade from Marrickville Road at the Southern end of Lower Railway Parade
- Vehicles will only be able to exit but not enter Lower Railway Parade at Sydenham Road at the northern end of Lower Railway Parade.

Refer to the diagram below.



Refer to *Attachment 1* for the Traffic Control Plan.

Any changes to street signage/regulatory signage will be made by TfNSW and will be reinstated at the completion of the planned shutdown.

PUBLIC CONSULTATION

Transport for NSW have consulted the local businesses along Lower Railway Parade and they have indicated they are in favour of changing the unlimited parking to timed parking – which aims to increase the availability of space for customers and employees of these businesses. Pending approval, Transport for NSW would notify nearby residents and businesses via letterbox drop ahead of the changes being implemented.

FINANCIAL IMPLICATIONS





There are no financial implications for Council associated with this matter. The cost of the work will be borne by Transport for NSW.

ATTACHMENTS

1. [Traffic Control Plan](#)

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 Allroad Group Pty Ltd ABN: 77 166 642 664 1300 515 162	VERSION CONTROL			Project Information		TGS Verification / Review Information		Client Information		Page Information	
	Ver	Date	Description	Project Name:	TGS No:	Designed by:	Ronak Gandhi	Client Logo:		Review Date:	11/09/2024
	1	11/09/2024	V1.0	Sydenham Station Precinct	ARG 24-1164 TGS	PWZ Qual. No:	TCT0063633	Client Name:	TfNSW	Page No:	1
	2			Project Description:	TMP No:	Signature:		Contact Name:	N/A	Total Pages	1
	3			Traffic Control Provisions for the T3 Bankstown Line Closure	N/A	Reviewed by:	Franziska Mueller	Contact No.:	N/A		
	4			Project Location:	Scale:	PWZ Qual. No:	TCT0063633				
	5			Railway Parade, Sydenham NSW 2204	1:500	Signature:					

Item No: LTC0225(1) Item 2

Subject: CHARLOTTE AVENUE, MARRICKVILLE AT MYRTLE STREET AND VICTORIA ROAD - TEMPORARY FULL ROAD CLOSURE AND TEMPORARY REGULATORY SIGNAGE CHANGES– SYDNEY WATER SEWER UPGRADE WORKS MARRICKVILLE CTMP (MIDJUBURI-MARRICKVILLE WARD / SUMMER HILL ELECTORATE / INNER WEST PAC)

Prepared By: Jennifer Adams - Traffic Engineer

Authorised By: Manod Wickramasinghe - Traffic and Transport Planning Manager

RECOMMENDATION

That the proposed temporary full road closure (ENRC/2024/0069) of Charlotte Avenue, Marrickville at its junction with Myrtle Street and Victoria Road, for an approximate 6-month period beginning from 1 April 2025 to 1 September 2025 be approved, in order to facilitate Sydney Water's sewer upgrade works subject to, but not limited to, the following conditions:

1. A Road Occupancy License be obtained by the applicant from the Transport Management Centre;
2. All affected residents and businesses, including the NSW Police Local Area Commander, Fire & Rescue NSW and the NSW Ambulance Services be notified in writing, by the applicant, of the proposed temporary road closure at least 7 days in advance of the closure with the applicant making reasonable provision for stakeholders;
3. The occupation of the road carriageway must not occur until the road has been physically closed; and
4. The applicant is to bear all costs and works associated with the installation/removal of the temporary "No Parking" restrictions at the northern end of Charlotte Avenue, Marrickville.

STRATEGIC OBJECTIVE

This report supports the following strategic directions contained within Council's Community Strategic Plan:

2: Liveable, connected neighbourhoods and transport

EXECUTIVE SUMMARY

An application has been received from D4C for the temporary full road closure of Charlotte Avenue, Marrickville at its junction with Myrtle Street and Victoria Road, for an approximate 6-month period beginning 1 April 2025 to 1 September 2025 in order to facilitate Sydney Water's sewer upgrade works. As per the supplied Sydney Water sewer upgrade works Marrickville CTMP the road will be temporarily closed to all vehicular traffic and there is a proposed temporary regulatory signage change at the northern end of Charlotte Avenue to facilitate U-turns. It is recommended that the proposed temporary full road closure and temporary signage change be approved, subject to the conditions outlined in this report.

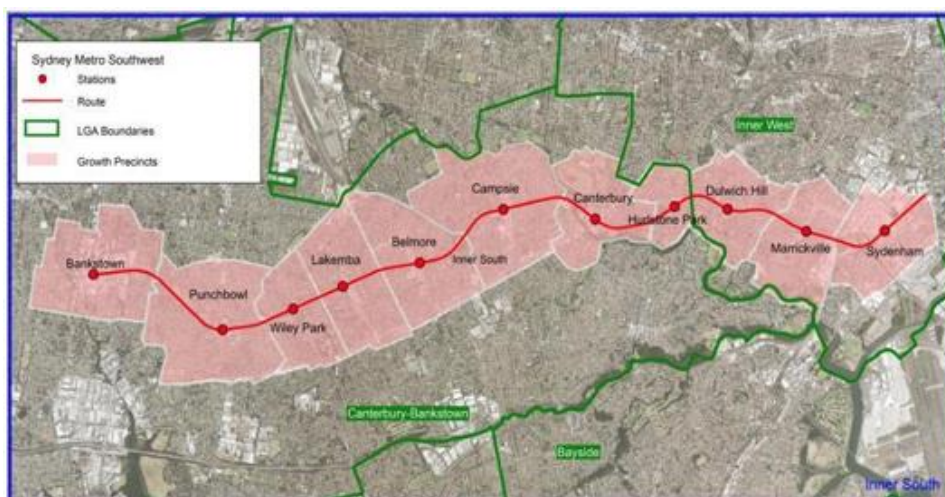
BACKGROUND

The works are part of the Sydenham to Bankstown Wastewater Upsizing – Marrickville and Belmore proposal. The proposal has been undertaken in response to the Department of Planning and Environment's (DPE) 'Sydenham to Bankstown Urban Renewal Corridor Strategy' (2017). The strategy targets growth opportunities for urban renewal around the train stations between Sydenham and Bankstown over the next 20 years.

The purpose of these works is to improve network functionality by increasing the capacity of the wastewater network to service increased demand, thereby reducing the risk of wastewater main breaks in the future.

Due to the Sydenham to Bankstown Metro Upgrade Project being undertaken by TfNSW, Sydney Water has an opportunity to access the railway corridor and upgrade wastewater infrastructure in these areas. This would be undertaken with ongoing consultation with TfNSW/Sydney Trains.

The new Metro Sydenham to Bankstown line shown in the diagram below, shows the new stations at the 11 growth precincts along the metro corridor. Marrickville and Belmore are the first sites selected for increasing the wastewater capacity in areas deemed required to meet the growth needs of the Sydenham to Bankstown Urban Renewal Corridor Strategy.



Location of works

The proposal is located in the road and verge of Victoria Road and under the railway overpass.



Scope of works

The proposal involves construction of about 111 metres of a DN375 wastewater main via open trench along Victoria Road and into the railway property access driveway. Excavation depths will range from 3 to 4 metres. The proposal would also involve the construction of 4 new maintenance holes, and grouting and decommissioning the existing wastewater pipe.



The scope of work is outlined below:

Pre-Construction

- further site investigations may be required e.g. potholing, boreholes, geotechnical and contamination testing etc

Establishing site

- install erosion and sediment control measures
- install fencing and traffic control measures

Wastewater upsizing works:

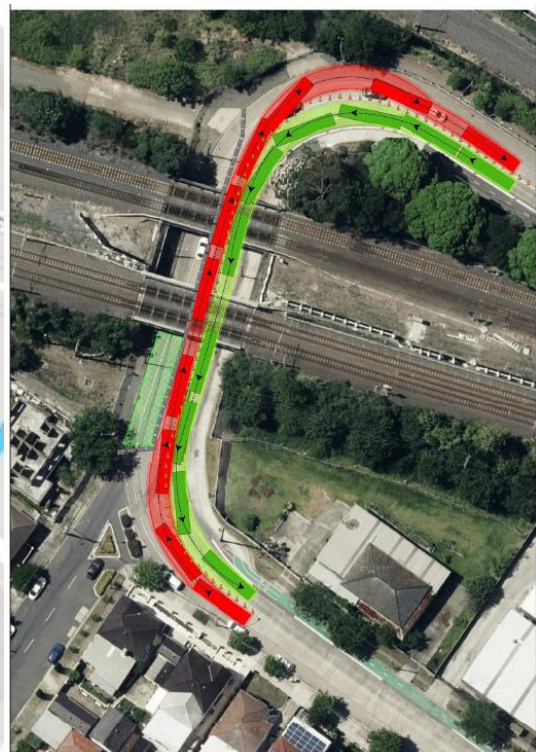
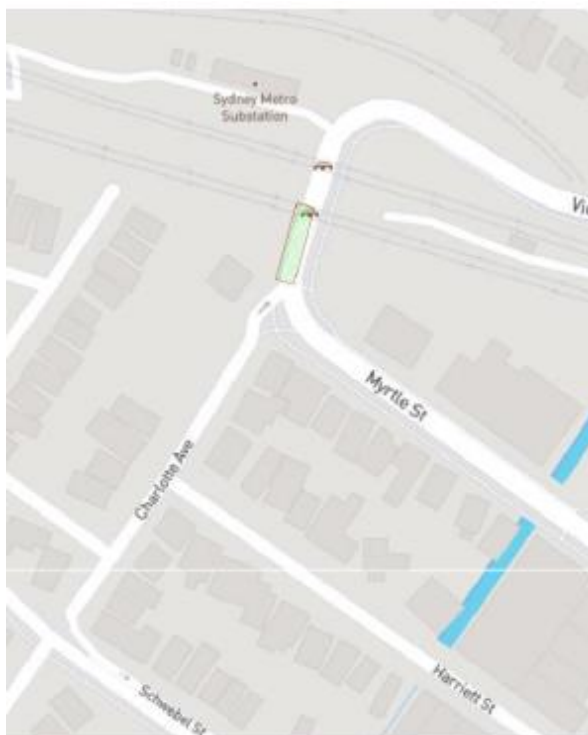
- open trench excavation in the verge, roadway, and public land for the new wastewater main, up to about 3 to 4 metres deep and 1.0 metre wide
- minor excavation to create new maintenance holes
- minor excavation to create launch and receiving pits, up to about 2.7 metres depth, 6.0 metres long and 4.0 metres wide (Belmore)
- micro tunnelling from the launch to receiving pit, including a new section of the DN450 main (Belmore only)
- install bends, tapers, tees, hydrants, thrust blocks & other fittings for new wastewater mains
- connect the new wastewater main to existing network
- traffic and pedestrian management during work and shutdown periods.

The work site will be restored to the pre-existing condition following construction, in consultation with landowners.

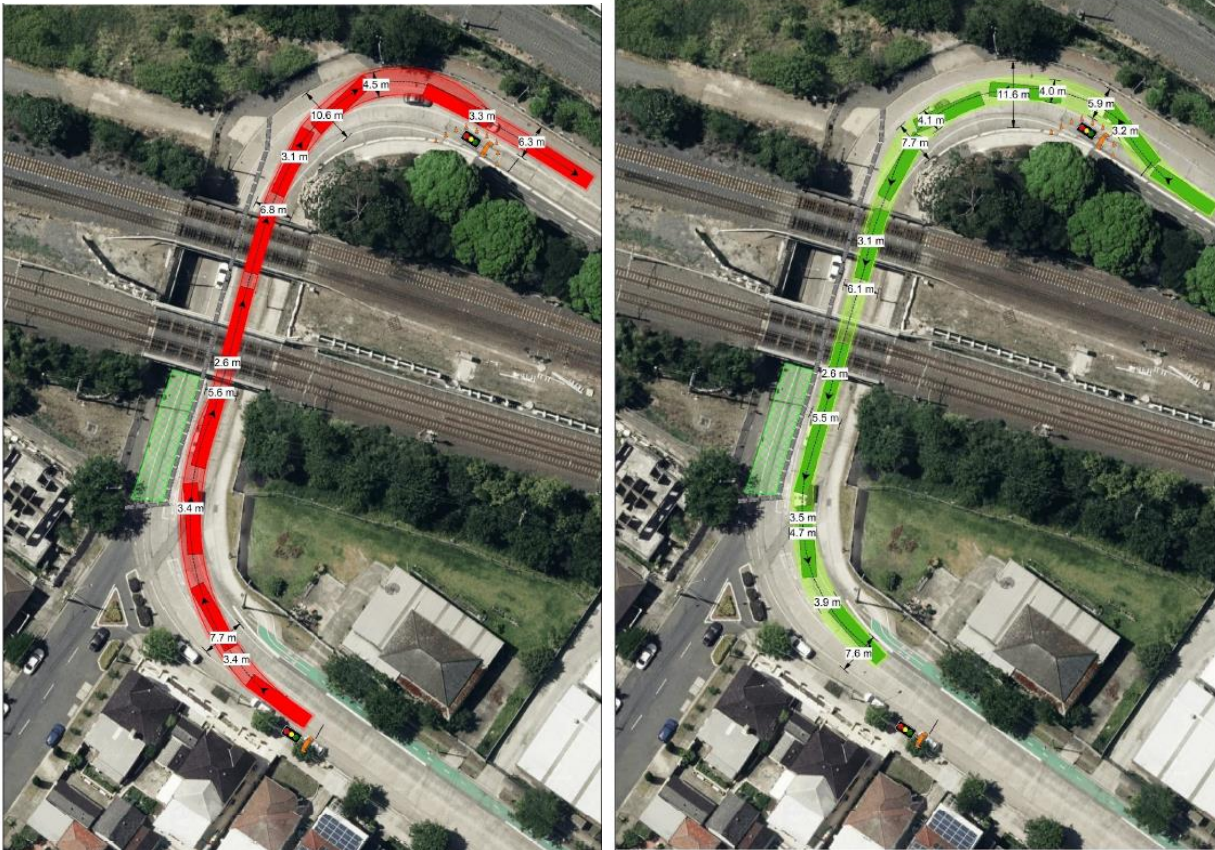
Construction Traffic Management Plan (CTMP)

D4C will work to minimize impacts during this time. However, there may be machinery noise as well as temporary disruptions to local and pedestrian traffic. Access to properties will be maintained at all times where possible. The road closure impacts no bus route. A Construction Traffic Management Plan (CTMP) has been provided and is attached at the end of this report.

It is proposed to carry out the works with a counterflow system operating on Victoria Road, Marrickville. The CTMP notes that during the planning stage of the project a number of scenarios were run to find the most suitable traffic management for the site. Priority was given to always keeping 2 lanes of traffic open, and this was modelled as **Scenario 1**. Despite efforts to reduce the Work Zone footprint, and study of the site to cater for passing vehicles, it was determined there was not enough room to maintain adequate trafficable lanes as per the Austroads Guides to Temporary Traffic Management and the TfNSW TCAWS V6 manual. Several swept path analyses were completed with the different compound configurations, and each time the vehicle paths clashed. Refer to SPA001 – Scenario 1 reproduced below.



Scenario 2 was modelled on always keeping 1 trafficable lane open. This allows D4C to meet the minimum lane width requirements of the Austroads Guides to Temporary Traffic Management & the TfNSW TCAWS V6 manual. Several swept path analyses were done, and it was considered that this arrangement would best cater for all expected vehicles travelling this section of roadway. Refer to SPA 002/003 reproduced below.



A portable traffic light/signal system will be operating for after-hours traffic management. D4C have stated that malfunction of the system is rare and noted that the traffic lights will be tested and fully charged prior to crews leaving site and that the out of hours traffic management company phone number is on the lights. The traffic management company night shift manager will complete regular site checks of the unmanned site throughout the week.

The Traffic Guidance Scheme Plans for the temporary road closure of Charlotte Avenue are shown below. Detours will be in place. VMS boards will be displayed on the perimeter area.

Traffic control and directional signage will be in place for the safety of workers and the community. There may be an increase in traffic movements around the local area. Motorists may experience some delays. Concrete barriers or water filled barriers are to be utilized to delineate the compound. All barriers are to be compliant with AS/NZS 3845.

Pedestrian routes will not be affected by works. All pedestrian paths will be maintained at a minimum clearance of 1.2m at all times. Pedestrians will be adequately separated from always works with appropriate site fencing. The cycleway is to stay open at all times.

Emergency services will be provided with advance notice of any changes via the site management team and email updates. All Emergency services will have access always maintained through the road closures.

NOTES:

- Category 1 (Urban Streets & rural roads)
- After hours - Traffic Lights on Myrtle St
- One (1) Lane of Traffic access maintained past work area at all times
- A risk assessment must be completed prior to implementing TGS as per Part 6 Section 5
- Traffic control devices to be installed and used as per Part 6 section 6.4, 6.5, 6.6, 6.7 & 6.8
- Pedestrian access to be maintained as per Part 3 section 3.10.1, 4.10.1
- Work area to be clearly defined with a physical barrier as per Part 3 Section 3.3, 4.3, 5.3
- Worksite should be continually monitored as per Part 6 Section 7.3
- TGS removal must be followed as per Part 6 Section 7.3
- TGS must be implemented by a certified & competent person as per Part 8 Section 6.6
- TGS Must only be implemented during approved hours of road authority
- Any modifications to this TGS must be noted
- Construction vehicles shall not remain stationary in 'Live Traffic' lanes; unrestricted site access & egress must be maintained at all times

LEGEND:

- SCREEN 1 : CHANGED TRAFFIC CONDITIONS
- SCREEN 2: PREPARE TO STOP
- SCREEN 1 : CHANGED TRAFFIC CONDITIONS
- SCREEN 2: PREPARE TO STOP

TRAFFIC CONTROL PLAN

Myrtle St
Vicksburg Rd
Myrtle St
Vicksburg Rd
Myrtle St
Vicksburg Rd

TRAFFIC CONTROL PLAN
MYRTLE ST
MARBECVILLE
MD

TOP # MC3041103_2
VERSION: 001
NOT DRAWN TO SCALE

FINANCIAL IMPLICATIONS

There are no financial implications associated with the implementation of the proposed recommendations outlined in the report.

OFFICER COMMENTS

Charlotte Avenue is a local residential road and carries around 250 vehicles per day. It has a travel lane in both directions and kerb side parking. Currently the parking is unrestricted. Vehicles can only exit onto Victoria Road at its northern end. These vehicles will have to detour possibly via Harriet Street, Carrington Road and Myrtle Street during the medium-term temporary full road closure.

Thus, it is noted that the medium-term temporary full road closure will divert traffic to other local streets for a period of time which may be disruptive to some local residents.



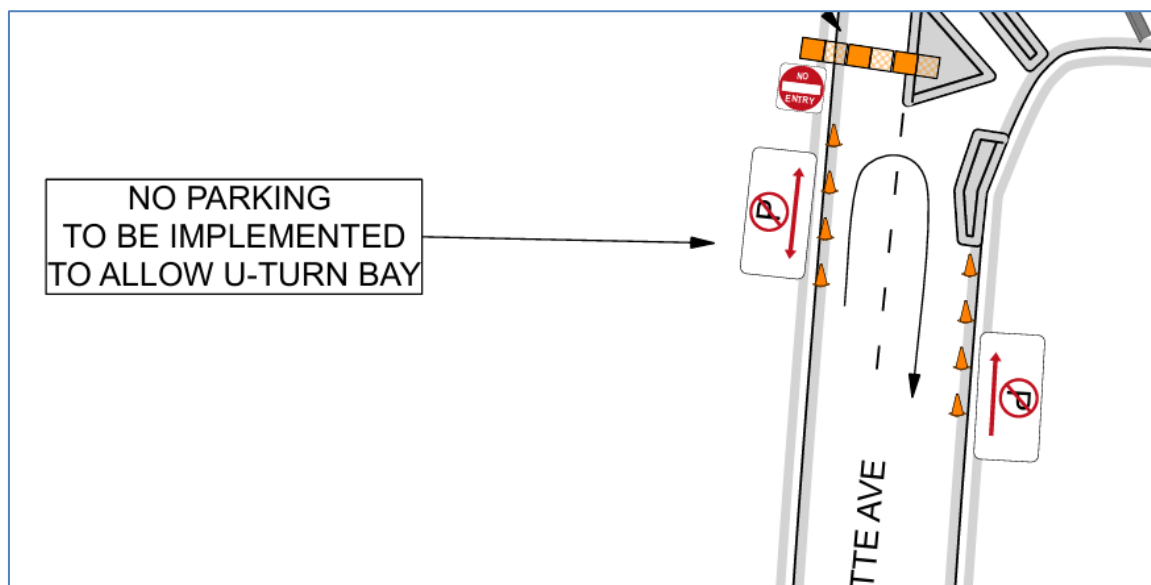
Myrtle Street is a local road and between Carrington Road and Victoria Road, carries 7,689 vehicles per day. Victoria Road, between Fernbank Street and Calvert Street, carries around 9,408 vehicles per day. As previously noted, motorists may experience some inconvenience and delays over the six-month period.

D4C have stated that VMS boards can go up 2 weeks prior to construction. Initial message of VMS boards will be 'CONSTRUCTION AHEAD' & 'APRIL TO SEPTEMBER', once construction kicks off onsite, the message will change to 'CONSTRUCTION AHEAD' & 'SLOW DOWN'. It is suggested that the later messages be changed to 'Expect Delays' opposed to 'Slow Down' and that the VMS boards stay in place for the duration of the works.

Traffic controlled during the day under contra flow arrangement using stop/go with traffic controllers on site and portable traffic light/signal system operating for after-hours traffic management is acceptable and should be reviewed within two weeks of operation and any changes implemented as or if required.

Parking change

D4C have advised that a small parking modification will be made on Charlotte Avenue to allow for vehicles to do a U-turn at the closure point. D4C will supply, install and remove the temporary signage appropriately.



With the construction works and the temporary parking changes some local parking will be lost. The CTMP states:

5.1 Vehicle Access

LVs and Heavy vehicles will be able to enter the site. If parking is not available on site, LVs should be parked legally on the surrounding or other local streets.

6.3 Construction Workers Parking

Construction workers are to park either inside the compound or legally curb side on surrounding or local streets. It is likely D4C will park cars, bins & plant in the Northbound direction's shoulder area as per TGS in section 9.0.

It is noted, in recent times, residents in Charlotte Avenue have raised concerns about worker parking in their street. Council officers have also reviewed the parking utilization in Charlotte Street and it was noted to be operating at near capacity. As such, all provisions for the approximate 15 workers on-site needs to be within the off-road site compound.

PUBLIC CONSULTATION

The proposed road closure has been advertised on Council's website in accordance with the Roads Act 1993.

The applicant is to notify all affected residents and businesses in writing at least 7 days prior to the commencement of works. A draft copy of their notification letter is reproduced below.

CONCLUSION

It is recommended that the proposed temporary full road closure be approved, subject to but not limited to the conditions and recommendations outlined in this report.

ATTACHMENTS

1. [CTMP - Sydenham to Marrickville WAA Marrickville - REV C](#)



Upcoming working in your area

DD MONTH 2024

We're upgrading our wastewater services to cater for growing demand from Sydenham to Bankstown. Marrickville has been identified as one of the key areas where future growth needs require an increase in wastewater capacity. Our Sydenham to Bankstown Growth Project will ensure a robust wastewater network that will enable your community to grow.

What you need to know

Overview of our work

The aim of our project is to upgrade our wastewater infrastructure, which will involve decommissioning the existing wastewater main, and building a new wastewater main along Victoria Road, Marrickville. Our work will start on the road at the Charlotte Avenue and Myrtle Street junction to Victoria Road, before moving off the road and into the Transport for NSW compound (see Figure 1).

Timeframe and work hours

We plan to start work in February 2025 and expect to finish in July 2025, weather permitting. Our work hours will be 7 am to 6 pm Monday to Friday, and 8 am to 1 pm on Saturday's if needed.

Our work on Victoria Road will take up to three months, and during this time there will be changes to pedestrian access and traffic management on the road.

Traffic and parking changes

Unfortunately, to complete our work we will need to close one lane of traffic on Victoria Road and have traffic management and personnel on the road while we work.

Pedestrian access across Victoria Road

The footpath will need to be closed temporarily while we work from the end of Charlotte Avenue and pass the rail compound on Victoria Road (see Figure X). Our traffic controllers will help direct pedestrians across the road so they can safely cross from Myrtle Street onto Victoria Road.

We know our work can be disruptive, so we'll make every effort to reduce any impact this work may have on you.

Where do I get more information and help?

If you would like to know more, please contact our Community Engagement team on the contact details at the bottom of the page. If you need to make special arrangements with us, please reach out so we can work with you.

Thank you for your cooperation during this essential work.

Yours sincerely

Dianne Clemens
Project Manager



1800 006 113 option 1

Delivering4Customers@sydneywater.com.au



Figure 1 – Location of our work

Figure 2 – Road changes on Victoria Road

Interpreter Service 13 14 50

Arabic • Chinese • Greek • Italian • Korean • Vietnamese • Hindi • Punjabi

إذا كنت تحتاج إلى مترجم، يرجى الاتصال بالرقم أعلاه.

如果您需要傳譯員的協助，請致電以上的號碼。

Αν χρειάζεστε διερμηνέα, τηλεφωνήστε στον παραπάνω αριθμό.

Se vi serve un interprete, telefonate al numero indicato sopra.

통역사가 필요하시면 위의 번호로 전화하십시오.

Nếu quý vị cần thông dịch viên, hãy gọi đến số trên đây.

यदि आपको बुझाविए की सहायता की जरूरत है, तो कृपया ऊपर दिए गए नम्बर पर फोन करें।

ਜੇ ਤੁਹਾਨੂੰ ਰੋਕਥਾਹੀਏ ਦੀ ਮਦਦ ਦੀ ਲੋੜ ਹੈ, ਤਾਂ ਡਿਪਾ ਵਰਕੇ ਉੱਤੇ ਦਿੱਤੇ ਨੰਬਰ 'ਤੇ ਫੋਨ ਕਰੋ।



1800 006 113 option 1

Delivering4Customers@sydneywater.com.au

Construction Traffic Management Plan



Item 2

Sydenham to Bankstown Corridor
Wastewater Asset Amplification
Marrickville



Revision control:

Revision	Date	Description	Approved
Draft	05/08/2024	First Draft	Tori Curtin
A	08/11/2024	Addition of scenario 2 & details	Mitchell Dwyer
B	11/12/2024	Amended TGS, work dates & contacts	Tori Curtin
C	08/01/2025	Amended Scenario 2 Swept Path – measurements added, Site compound added to 2.0 location of works.	Tori Curtin
D			

1

CTMP – Sydenham to Bankstown Corridor
Wastewater Asset Amplification
Marrickville



Attachment 1

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1.0 Scope of Works

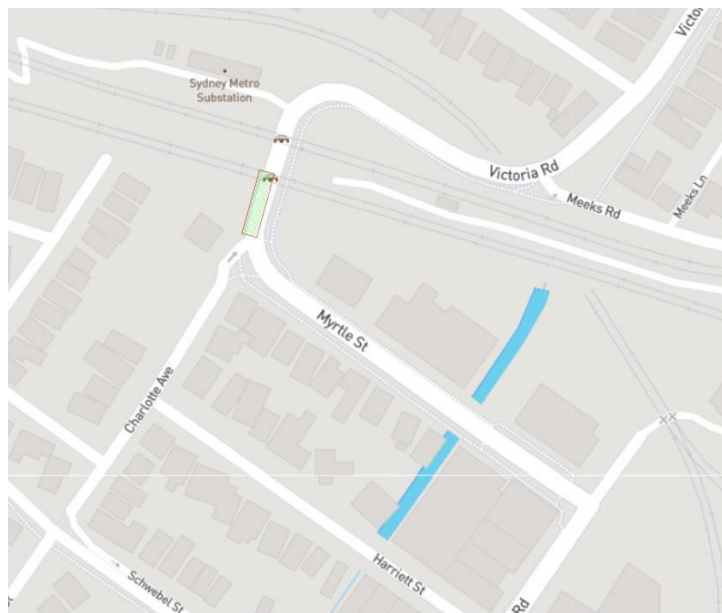
This Construction Traffic Management Plan (CTMP) facilitates the safe implementation of a Traffic guidance scheme prepared to address traffic access and safety issues associated with D4C's project Sydenham to Bankstown Corridor Wastewater Asset Amplification at, Myrtle St Marrickville.

This CTMP has been prepared to provide details of the management of the traffic, plant and site compound activities associated with the proposed works. The primary purpose of this Plan is to provide traffic and plant management measures to be incorporated into the operational management of the works to ensure that all traffic and plant activity associated with work occurs with minimal interaction with adjoining public road traffic movements as well as ensuring the safe working conditions for construction crews. The traffic management plan is designed to be consistent with the overall construction plan for the project.

2.0 Location of Works

The site will be located near the intersection of Myrtle St x Victoria Rd x Charlotte Ave Marrickville.

Location map is presented below.



Site Compound.



Item 2

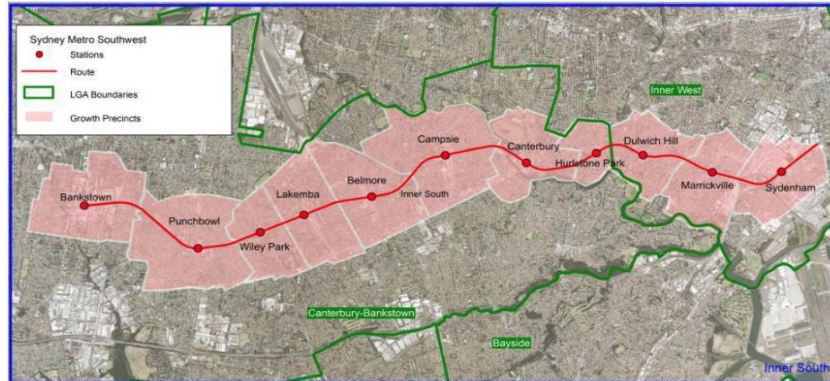
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CTMP – Sydenham to Bankstown Corridor
Wastewater Asset Amplification
Marrickville



Attachment 1

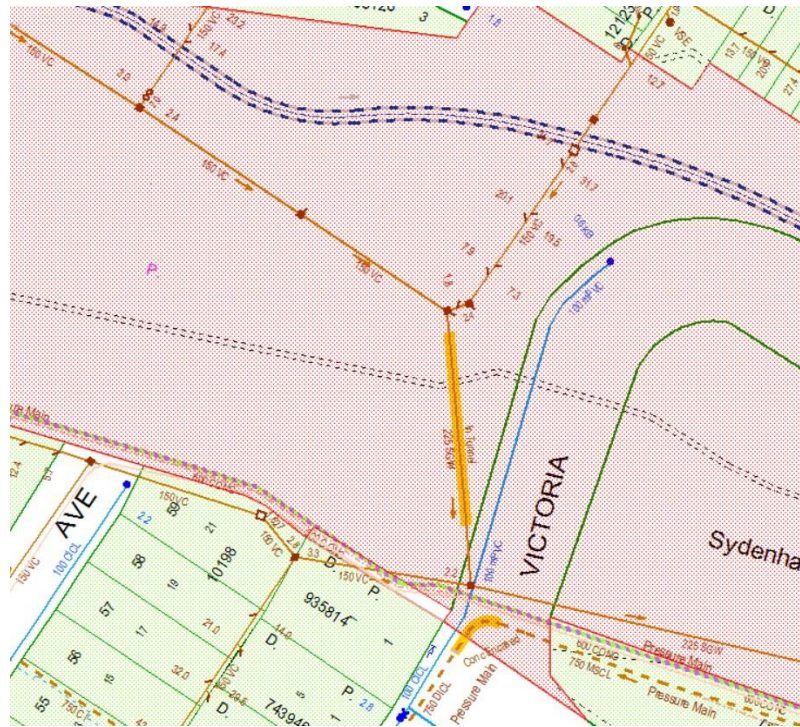
3.0 Project Scope & Context



The new Metro Sydenham to Bankstown line shown in the below image, shows the new stations at the 11 growth precincts along the metro corridor. Marrickville and Belmore are the first sites selected for increasing the wastewater capacity in areas deemed required to meet the growth needs of the Sydenham to Bankstown Urban Renewal Corridor Strategy.

The existing DN225 SGW GC167 1955 (ID 3892523) sewer is to be disused, and grout filled. A new DN375 PVC main is to be installed via laser bore and pipe pulling on the verge of Victoria Rd, with two new maintenance holes built on the alignment at the change of the direction to reconnect two upstream sewer lines adjacent the newly constructed Metro building.

The existing asset to be replaced presented below.



4.0 Impact Assessment

Existing Road Network

Sydenham Rd – A classified State Road that will allow all vehicles to access the greater road network which generally runs in Northern & Southern direction. It is subject to a speed limit of 60 km/h. it typically carries two trafficable lanes in each direction. It is located to the North of the site

Victoria Rd Between Sydenham Rd & Marrickville Rd – A classified Regional Road which generally runs in a Northern & Southern direction to the North of the site. It is subject to a speed limit of 60 km/h and typically carries two trafficable lanes in each direction.

Marrickville Rd – A classified Regional Road which generally runs in a Northern & Southern direction to the North of the site. It is subject to a speed limit of 60 km/h and typically carries two trafficable lanes in each direction.

Victoria Rd between Marrickville Rd & Myrtle St - A Local Council Road which generally runs in a Northern & Southern direction. It carries a single lane in each direction. It is subject to a 50 km/h speed limit. The site will be located on this road near the intersection of Charlotte Ave and Myrtle St.

Myrtle St - A Local Council Road runs in an Eastern & Western direction. It carries a single lane in each direction with dedicated non trafficable shoulders. It is subject to a 50 km/h speed limit. The site will be located on this road near the intersection of Charlotte Ave and Victoria Rd.

Charlotte Ave - A Local Council Road runs in a Northern & Southern direction. It carries a single lane in each. It is subject to a 50 km/h speed limit. It will intersect with Victoria Rd in the North.

7	CTMP – Sydenham to Bankstown Corridor Wastewater Asset Amplification Marrickville
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Site access – Marrickville Site

All site vehicles are to enter and exit the site from the dedicated access points located on Victoria Rd, and Charlotte St as needed.

Image of working location Charlotte Ave x Myrtle St



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CTMP – Sydenham to Bankstown Corridor
Wastewater Asset Amplification
Marrickville



Item 2

Attachment 1

Hours of Operation – Marrickville Site

The site will be in place for the duration of the construction, delineated with concrete barriers and fencing. Works are proposed to be commencing February 2025 – July 2025. Despite the site being in place for the entire duration, working hours inside the compound are anticipated to be Monday to Friday, 07:00 – 18:00, Occasionally Saturday 08:00 – 13:00.

Construction Vehicles

Construction vehicles likely to travel to and from site are likely to include:

- Heavy Medium rigid trucks for construction spoil removal
- Heavy and medium rigid trucks for construction material delivery
- Mobile cranes
- Concrete Agitators
- Trade vehicles

During the construction period, the construction vehicle movement activities are set out in the below table.

Task	Duration	Vehicle movement per day
Mobilization	2 weeks	10
Construction	5 months	10
Demobilization	2 weeks	10

Vehicle Dimensions

SRV – Small rigid vehicle-load capacity of 4 tonnes, typically single rear axle, are 6 m long

MRV – Medium rigid vehicle-load capacity of 8 tonnes, typically single rear axle, are 8.8 m long

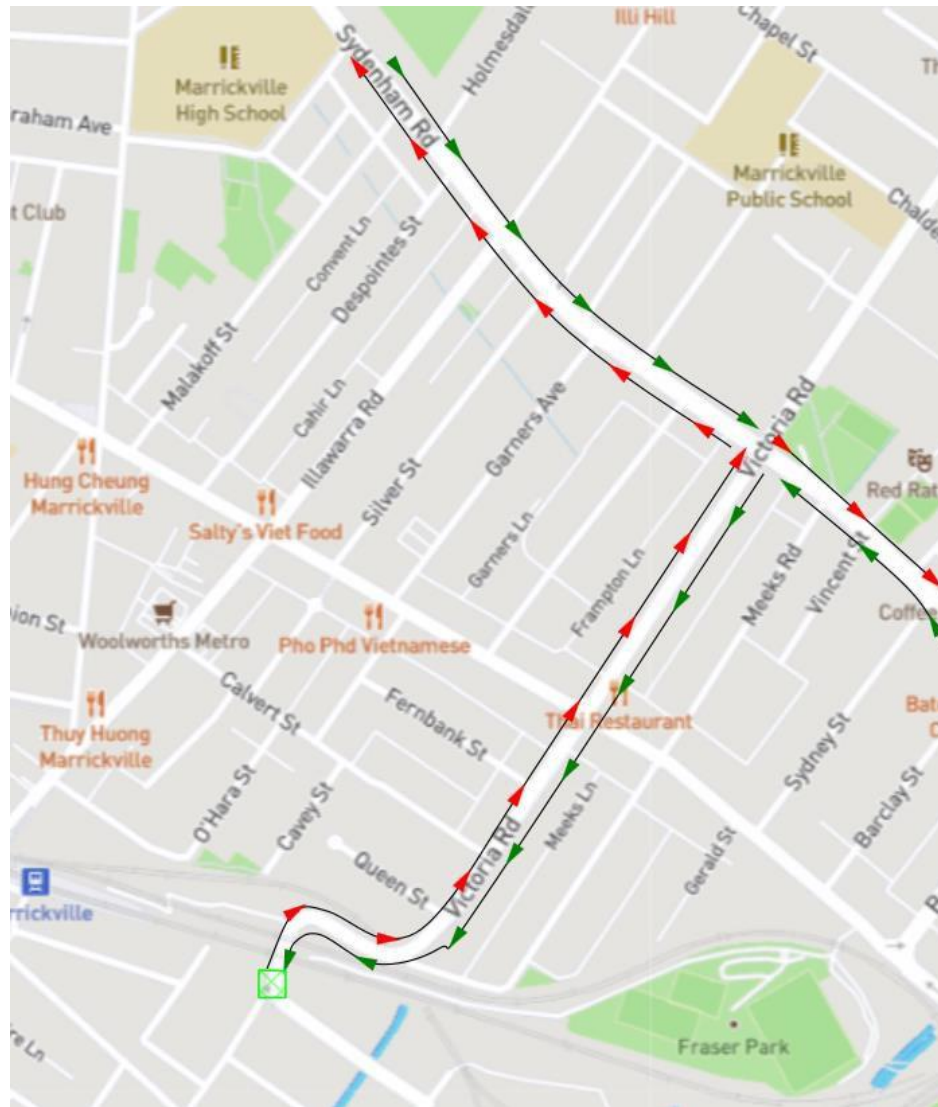
HRV – Heavy rigid vehicle-load capacity of 12-16 tonnes, typically dual rear axle, up to 12.5 m long

AV – Truck and dog combinations, typically an MRV with a trailer

Construction Routes

Construction vehicles will travel to and from site on arterial roads suitable to their vehicle type. The main routes are illustrated below.

Construction Travel Route



5.0 Traffic Control

D4C on occasions may need to develop TGSs for works outside of the site's parameters given that each work task has different requirements, these will be identified individually, and management plans put into place. The site TGSs will include more details of this implementation and how the controls put in place will minimize disruption whilst maintaining a safe work area for construction crews. These Traffic Control Plans based on Australian Standard 1742.3 and TfNSW Traffic Control at Work Sites Guidelines, will be produced in consultation with Council and RMS.

Each work site will have a TGS which will address the following:

Traffic flow. All traffic will be managed by a TGS which will comply with AS 1742.3 and the TfNSW Traffic Control at Work Sites manual (TCWSM). Please refer to the Traffic Control Plans attached.

Pedestrian movement. All pedestrian movement including entry, egress and movement around the work area will be in accordance with TfNSW TCWSM Section 9.3 – Pedestrians. All work areas will be secured with barriers and fencing to ensure that no unauthorized entry for pedestrians is possible.

Plant movement. All plant movement including entry, egress and movement within the work area in accordance with TfNSW TCWSM Section 7 – Providing for works traffic.

Cyclist movement. All cyclist movement including around or adjacent to the work area will be in accordance with TfNSW TCWSM Section 9.4 – Cyclists.

During the planning stage of the project a number of scenarios were run to find the most suitable traffic management for this site. Priority was given to always keeping 2 lanes of traffic open, and this was modelled as **Scenario 1**. Despite efforts to reduce the Workzone footprint, and study of the site to cater for passing vehicles, it was determined there was not enough room to maintain adequate trafficable lanes as per the AustRoads Guides to Temporary Traffic Management & the TfNSW TCAWS V6 manual. Several swept path analysis were completed with the different compound configurations, and each time the vehicle paths clashed. This is further identified in SPA 001 – Scenario 1 in annexure A.

Scenario 2 was modeled on always keeping 1 trafficable lane open. This allows us to meet the minimum lane width requirements of the AustRoads Guides to Temporary Traffic Management & the TfNSW TCAWS V6 manual. Several swept path analysis were done, and this solution caters for all expected vehicles travelling this section of roadway. This is identified in SPA 002/003 in annexure 1.

5.1 Vehicle Access

LVs and Heavy vehicles will be able to enter the site. If parking is not available on site, LVs should be parked legally on the surrounding or other local streets.

5.2 Site Access

All site access during construction periods will be managed under the vehicle movement plan. As a safety precaution, safety barriers will be utilised to ensure that appropriate separation of workers, plant and construction traffic is maintained. Pedestrians attempting to cross the Site's vehicle accesses are to be managed through signage, pedestrian barriers, and traffic controllers.

5.3 Pedestrian Access

Pedestrian routes will not be affected by works. All pedestrian paths will be maintained at a minimum clearance of 1.2m at all times. Pedestrians will be adequately separated from works with appropriate site fencing at all times.

5.4 Signage

The TMP introduces regulatory and advice signage designed to provide motorists and pedestrians the clearest notification of the potential hazards created by the new work site. Parking restrictions signs will also be used for construction zones when required.

Additional static signs to inform motorist and pedestrians will be put on the approach to works. Please refer to Traffic Control Plans/Traffic Guidance Schemes.

5.5 Barriers

Concrete barriers or water filled barriers are to be utilized to delineate the compound. All barriers are to be compliant with AS/NZS 3845.

6.0 Maintaining Network Performance

6.1 Road Occupancy

Where required, D4C will obtain an approval from Inner West Council and TfNSW prior to the commencement of any works on the road except in the case of an emergency, or when directed by Police or Emergency services, D4C will endeavour to reinstate road as soon as practicable.

All applications will be forwarded to the Inner West Council and TfNSW with an allowance for the Traffic Committee to approve the application (if required). Associated works (utilities) may require ROLs, as required subcontractors will obtain ROL's and carry out works as per ROL conditions.

All ROL's will comply with the overarching road safety and traffic management principles, objectives and targets outlined in the Project Construction Management Plan.

6.2 Surrounding Parking Modifications

A small parking modification will be made on Charlotte St to allow for vehicles to do a U-turn at the closure point. D4C will submit any modifications for approval from Inner West Council. Once obtained, adequate temporary signage is to be erected for the duration of the construction.

6.3 Construction Workers Parking

Construction workers are to park either inside the compound or legally curb side on surrounding or local streets. It is likely D4C will park cars, bins & plant in the Northbound direction's shoulder area as per TGS in section 9.0.

6.4 Unplanned Events (Incident Response)

D4C will manage all incidents which may contribute to congestion, aggravate the free flow of traffic, or threaten the wellbeing of any road user within the Project boundaries in compliance with the Project Incident Management Plan.

6.5 Planned Events

Inner West Council and Transport for NSW events calendar will be considered when programming this work, to ensure there are no conflicts with local events or other motorway works. Consultation will continue with the council regarding any issues working during proposed times.

6.6 Public Transport

No public transport is anticipated to be affected by these works.

6.7 Property Access

All property access adjacent to, and the surrounding area will be maintained wherever possible, residents must be notified of the potential impacts on their access during the construction. Any restrictions to property access will be extensively communicated to stakeholders prior to works commencing. Local Business and Resident access must be always maintained.

6.8 Emergency Services

Emergency services will be provided with advance notice of any changes via the site management team and email updates. All Emergency services will have access always maintained through the road closures.

6.9 Monitor the effectiveness of control measures

The use of an inspection checklist will be implemented to monitor the effectiveness of the traffic control measures in place. A traffic control safety inspection will be completed at least once per week, with any minor modifications completed as required. Any major modifications will be assessed and implemented by a suitably qualified person.

7.0 Community/Advertising/Consultation

D4C will have continuous communication between all parties involved in the construction process, local stakeholders and the regulatory authority. This establishes a dynamic response process which allows for the adjustment of control methods and criteria for the benefit of all parties.

The objective in undertaking a consultation process is to:

- Inform and educate the groups about the project and the noise controls being implemented.
- Increase understanding of all acoustic issues related to the project and options available.
- Identify group concerns generated by the project, so that they can be addressed; and
- Ensure that concerned individuals or groups are aware of and have access to a Constructions Complaints Register which will be used to address any construction noise-related problems should they arise.

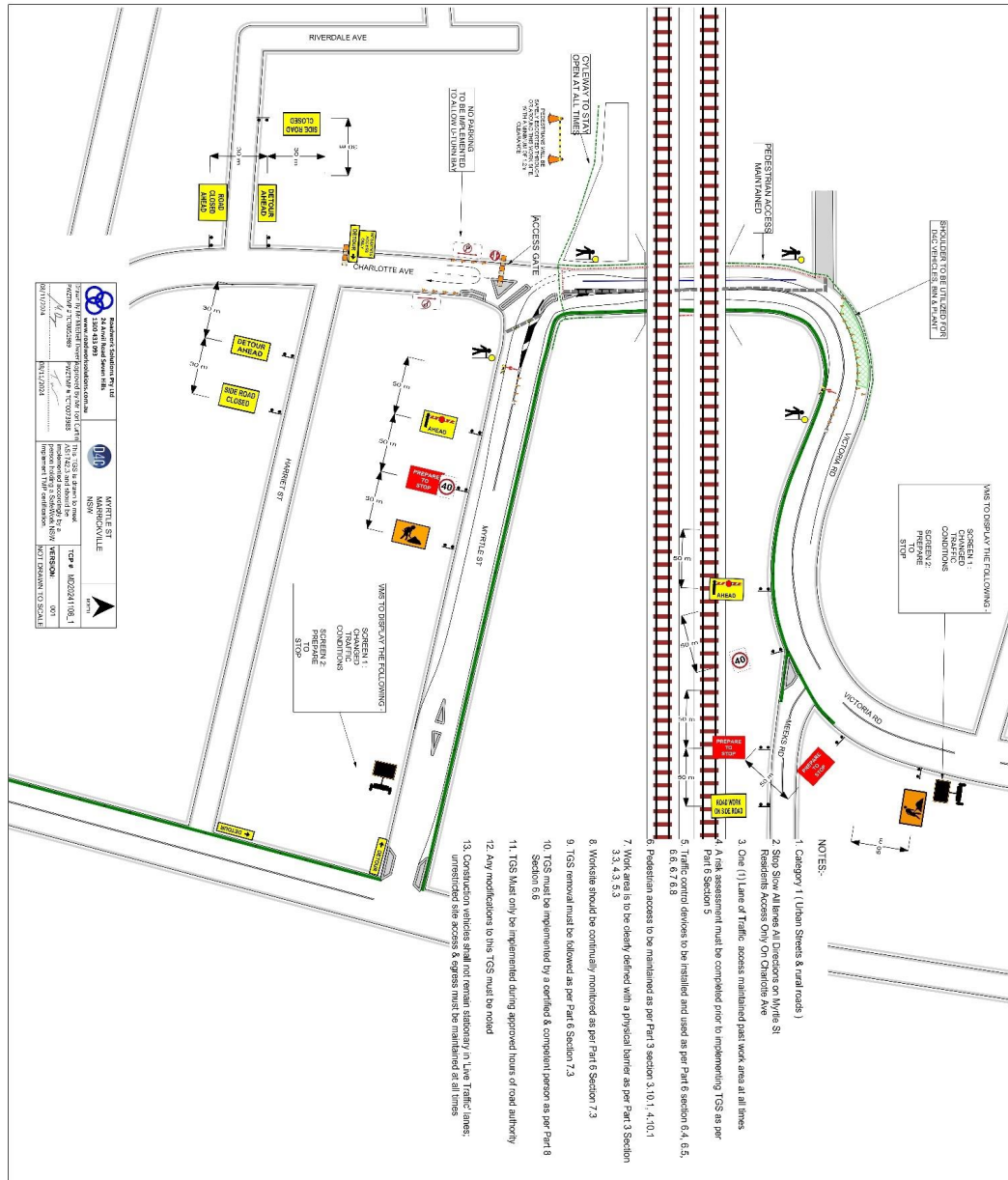
The D4C community consultation team will conduct community notification prior to any works commencing on site, with letterbox notifications to all identified surrounding sensitive receivers.

8.0 Contacts

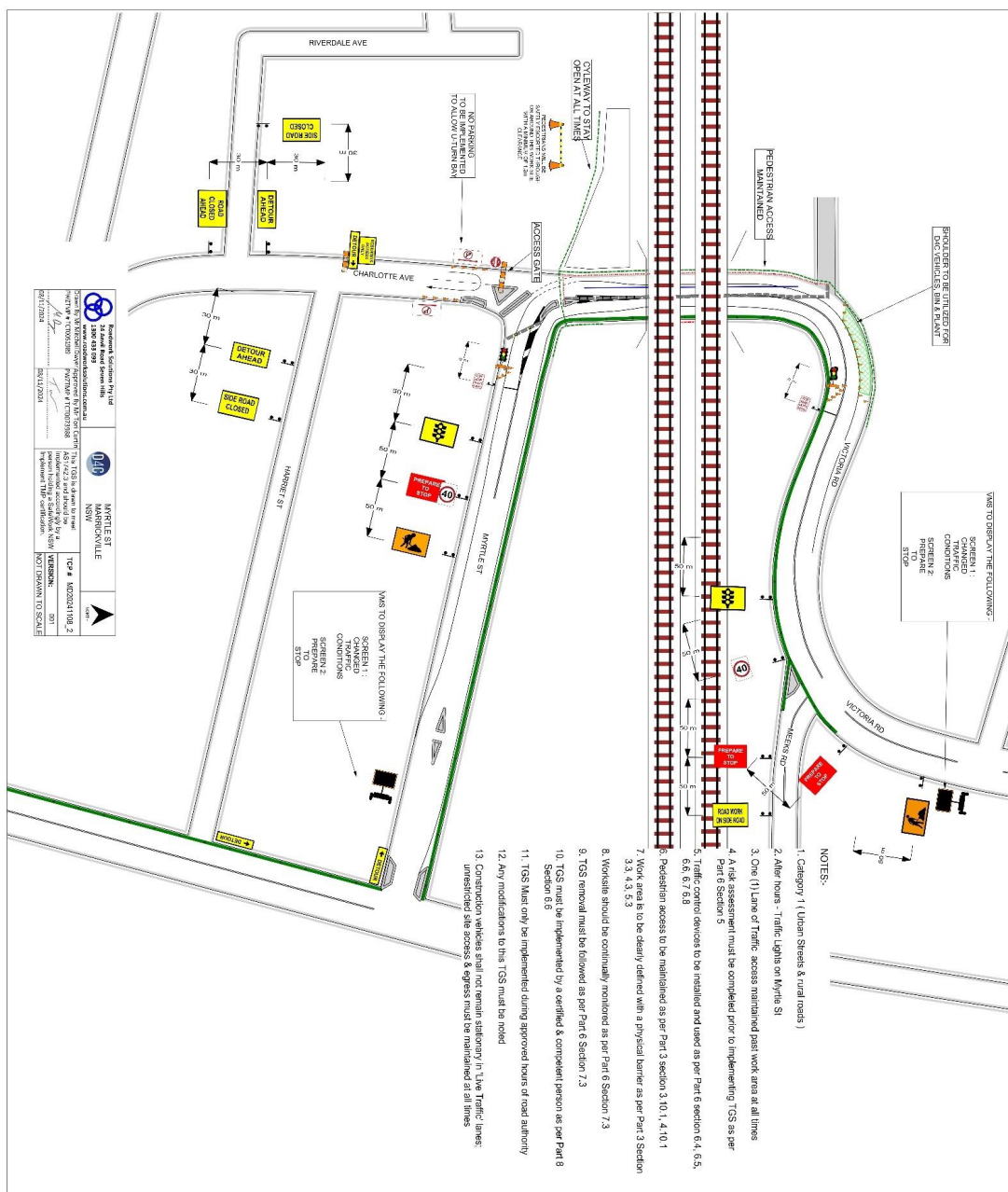
Contact	Position	Mobile No.
Carlos Dyrka	Construction Lead	0418 242 158
David Falsay	Construction Engineer	0418 114 248
Wesley Wang	Construction Engineer	0447 361 678
Rob Jay	Construction Supervisor	0428 216 302
Eric Randell	Snr Construction Supervisor	0413 483 281
Jemima Waddell	Community Engagement Advisor	0413 483 281
Tori Curtin	Traffic Management Consultant	0439 107 502
Roadwork Solutions (24/7)	Traffic Management After Hours	1300 433 093
Transport Management Centre	Operations Centre	1 800 679 782

9.0 Traffic Control Plan/Traffic Guidance Scheme

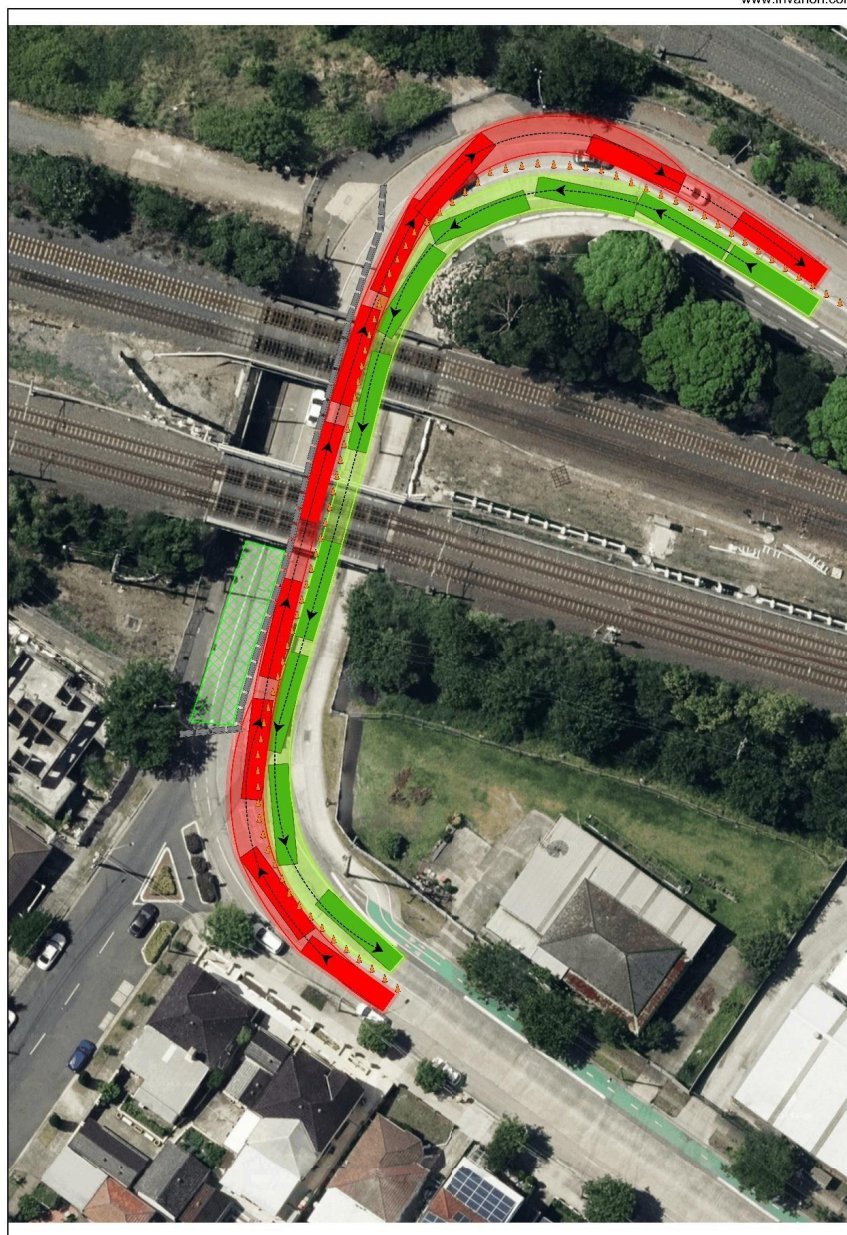
Myrtle St Marrickville - PTCO – Working Hours



Myrtle St Marrickville - TL After Hours



SPA 001 – Scenario 1 – two lanes of traffic open



Item 2

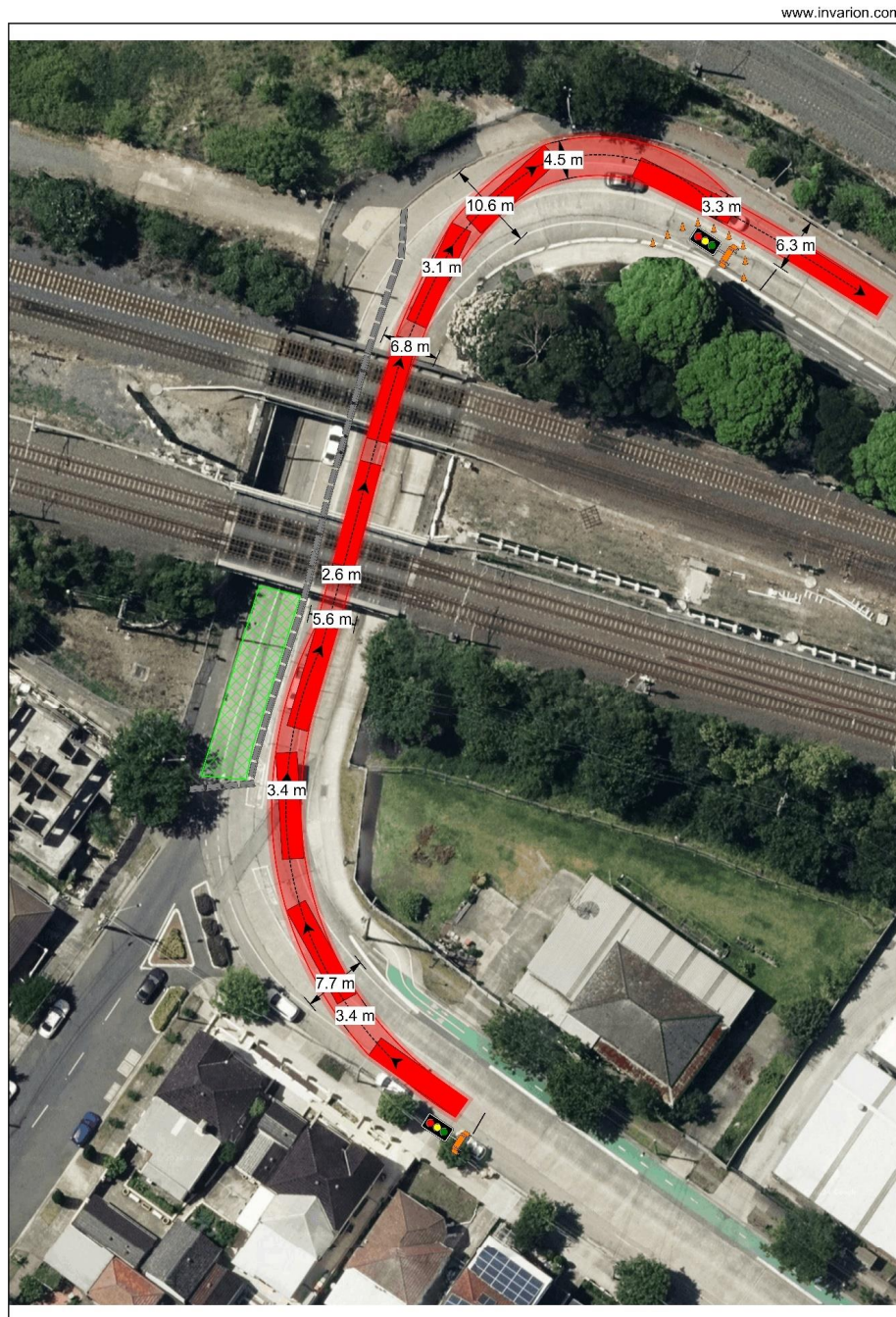
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CTMP – Sydenham to Bankstown Corridor
Wastewater Asset Amplification
Marrickville



Attachment 1

SPA 002 – Scenario 2 – one lane of traffic open



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CTMP – Sydenham to Bankstown Corridor
Wastewater Asset Amplification
Marrickville



Item 2

Attachment 1



10.0 CTMP Approval

D4C representative to sign off.

The Project Manager will verify the long term TMP is completed and suitable for consideration by the approval authorities:

Name and signature:	Date:

Road Authority representative to sign off

The Road Authority Project Manager will email confirmation that this TMP is approved for implementation to the D4C Construction Lead. The signature box below will record a note confirming receipt of that email. A copy of the email will be attached as an Appendix to this document.

Name and signature:	Date:

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CTMP – Sydenham to Bankstown Corridor
Wastewater Asset Amplification
Marrickville



11.0 Driver Code of Conduct

General Requirements

Construction vehicle drivers travelling to and from the site must:

- Have undertaken a site induction carried out by an approved member staff or suitably qualified person under the direction of management.
- Hold a valid driver's licence for the class of vehicle that they operate.
- Operate the vehicle in a safe manner within and external to the work site.
- Comply with the direction of authorised site personnel when within the site.

Heavy Vehicle Speed

Increased speed means not only an increased risk of crashing but also increased severity if an accident occurs. A study undertaken for the Australian Transport Safety Bureau found that travelling 10 km/h faster than the average traffic speed can more than double the risk of involvement in a casualty accident. (Source Roads and Maritime Services (RMS) previously known as Roads and Traffic Authority (RTA)).

There are two types of speeding:

- Where a heavy vehicle travels faster than the posted speed limit; and
- Where a driver travels within the speed limit but because of road conditions (e.g. fog or rain) this speed is inappropriate. (Source RMS).

Drivers and truck operators are to be aware of the "Three Strikes Scheme" introduced by the Roads and Maritime Services which applies to all vehicles over 4.5 tonnes. When a heavy vehicle is detected travelling at 15 km/h or more over the posted or relevant heavy vehicle speed limit by a mobile Police unit or fixed speed camera, the Roads and Maritime Services will record a strike against that vehicle. If three strikes are recorded within a three-year period, the Roads and Maritime Services will act to suspend the registration of that vehicle (up to three months).

More information is available from the Roads and Maritime Services website.

Vehicle speed on public roads is enforced by the NSW Police Service.

Heavy Vehicles Driver Fatigue

Fatigue is one of the biggest causes of accidents for heavy vehicle drivers. The Heavy Vehicle Driver Fatigue Reform was therefore developed by the National Transport Commission (NTC) and approved by Ministers from all States and Territories in February 2007.

The heavy vehicle driver fatigue law commenced in NSW on 28 September 2008 and applies to trucks and truck combinations over 12 tonne GVM (however there are Ministerial Exemption Notices that

can apply).

Under the law, industry has the choice of operating under three fatigue management schemes:

- Standard Hours of Operation
- Basic Fatigue Management (BFM)
- Advanced Fatigue Management (AFM)

Heavy Vehicle Compression Braking

Compression braking by heavy vehicles is a source of irritation to the community generating many complaints especially at night when residents are especially sensitive to noise.

In some instances, compression braking is required for safety reasons however when passing through or adjacent to residential areas or isolated farmsteads a reduction in the speed of the vehicle is recommended to reduce the instances and severity of compression braking.

Heavy Vehicle Noise

The following activities may be carried out on the site outside these hours of operation.

- delivery or dispatch of materials as requested by Police or other authorities; and
- Emergency work to avoid the loss of lives, property and/or to prevent environmental harm.

At the commencement of the working day, it is not unusual for drivers to arrive early and wait for opening. If this occurs drivers are to wait with engines turned off.

Vehicle Departure and Arrival

Heavy Vehicles travelling in close proximity on single lane public roads can be of concern to light vehicle drivers as well as increasing noise through or adjacent to residential areas. To alleviate public concern and increase road safety, heavy vehicles leaving the site should be separated by a minimum two-minute interval.

It is difficult to schedule arrivals to the site (except at the commencement of work for the day), however, when a driver becomes aware, through visual contact or two-way contact between trucks, that they will arrive at approximately the same time then they are to ensure that there is a suitable gap between vehicles.

12.0 Traffic Control Inspection Checklist

Item 2

Date.....	Time.....	Completed by.....
Name of Supervisor.....	Project:.....	
Name of Client.....	Foreman	
Location.....		TGS No.....

Tick or cross in the appropriate box:				
No.	Conditions	Acceptable	Not Acceptable	Not Applicable
1	Traffic Control Plan			
1.1	Is an approved TGS on site & has it been modified by an authorized person?			
1.2	Have signs & devices been correctly implemented as per the TGS?			
1.3	Could the worksite be set out differently to minimize the impact on traffic, pedestrians &/or cyclists?			
1.4	Is the clearance between workers & traffic adequate for worksite?			

ANY COMMENTS, IMPROVEMENT?

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.....

.....

2	Signs & Devices	Acceptable	Not Acceptable	Not Applicable
2.1	Has a site check been completed?			
2.2	Are signs present & in good condition?			
2.3	Are the signs in a clear position & not affected by other contradictory signs, plant, vegetation, shade, etc?			
2.4	Are the correct sign sizes being used?			
2.5	Have the needs for pedestrians & cyclists been provided for?			
2.6	Is all property access to the site controlled?			
2.7	Is the taper length correct?			
2.8	Is there an adequate buffer zone?			

ANY COMMENTS, IMPROVEMENT?

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CTMP – Sydenham to Bankstown Corridor
Wastewater Asset Amplification
Marrickville



Attachment 1

3	Traffic Controllers	Acceptable	Not Acceptable	Not Applicable
3.1	Are the correct number of Traffic Controllers being used?			
3.2	Have their Traffic Control Certifications been sighted & are they current? (WHS Card? Blue ticket? Client/Project Induction?)			
3.3	Are all staff using a two-way radio?			
3.4	Are they wearing high visibility clothing?			
3.5	Are the TC's getting adequate breaks?			
3.6	Do the TC's have a clear escape route?			

ANY COMMENTS IMPROVMENTS?

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.....
.....

4	Record Keeping	Acceptable	Not Acceptable	Not Applicable
4.1	Has a Job Safety Analysis been completed & signed?			
4.2	Does the Job Safety Analysis cover the risks & hazards associated with the worksite?			
4.3	Has a service delivery docket been completed & recorded?			

ANY COMMENTS, IMPROVEMENT?

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.....
.....

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CTMP – Sydenham to Bankstown Corridor
Wastewater Asset Amplification
Marrickville



Item No: LTC0225(1) Item 3
Subject: ILLAWARRA ROAD, MARRICKVILLE - PROPOSED ROADSIDE BARRIER (MIDJUBURI-MARRICKVILLE WARD/SUMMER HILL ELECTORATE/INNER WEST PAC)
Prepared By: James Nguyen - Traffic Engineer
Authorised By: Manod Wickramasinghe - Traffic and Transport Planning Manager

RECOMMENDATION

That the protective measure works proposed by Sydney Metro as part of the Sydney Metro Southwest project at the existing bridge on Illawarra Road between Schwebel and Arthur Streets, Marrickville be approved including associated amendments to the travel lanes.

STRATEGIC OBJECTIVE

This report supports the following strategic directions contained within Council's Community Strategic Plan:

2: Liveable, connected neighbourhoods and transport

EXECUTIVE SUMMARY

This report presents the protective measure works proposed by Sydney Metro as part of the Sydney Metro Southwest project, at the existing bridge on Illawarra Road between Schwebel and Arthur Streets, Marrickville. It outlines the scope of work and the implications to the existing footpath and road.

BACKGROUND

As part of the Sydney Metro Southwest project, Sydney Metro are proposing to provide protective measures at the existing bridge on Illawarra Road between Schwebel and Arthur Streets to prevent any potential errant vehicle from entering the rail corridor. As the proposed works require adjustments to the existing footpath and roadway, Sydney Metro are seeking approval from the Local Traffic Committee and Inner West Council.

DISCUSSION

Sydney Metro are proposing to install a roadside safety barrier on the western side of Illawarra Road, as shown in Figure 1 below:

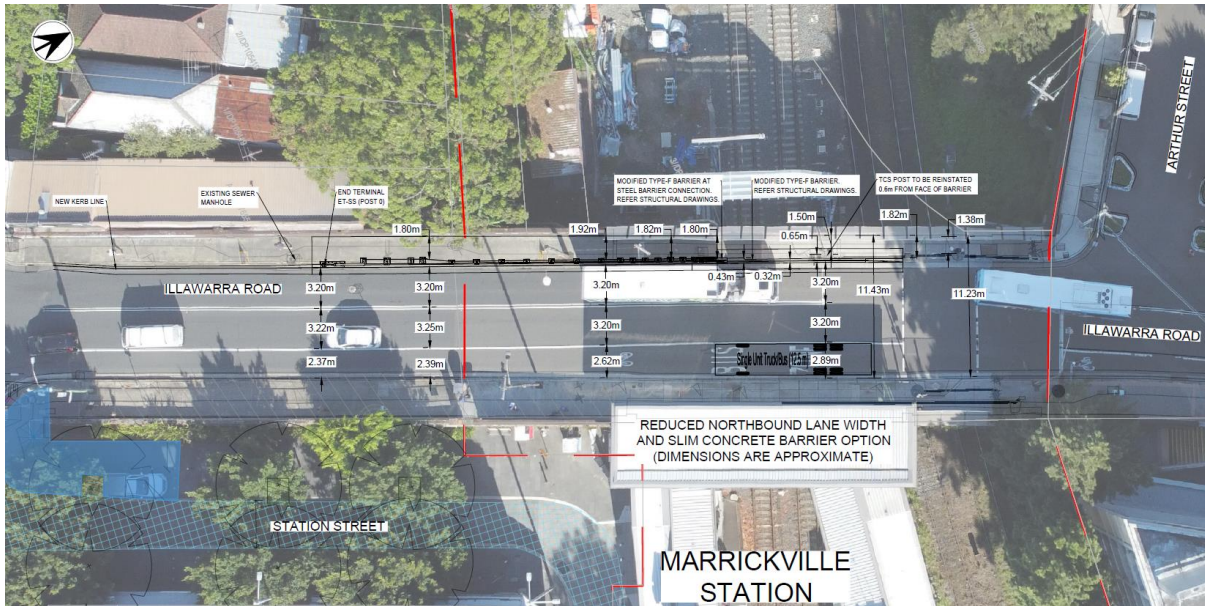


Figure 1: Plan of the proposed lane configuration of Illawarra Road at Marrickville Station

The protective measures at the existing bridge on Illawarra Road consists of the following:

- Kerb replacement works consisting of a new slim TL3 type-f concrete barrier (approx. 15m long) adjoining a standard type-sa kerb and gutter (approx. 53m long), as shown in the section Figure 2 below.

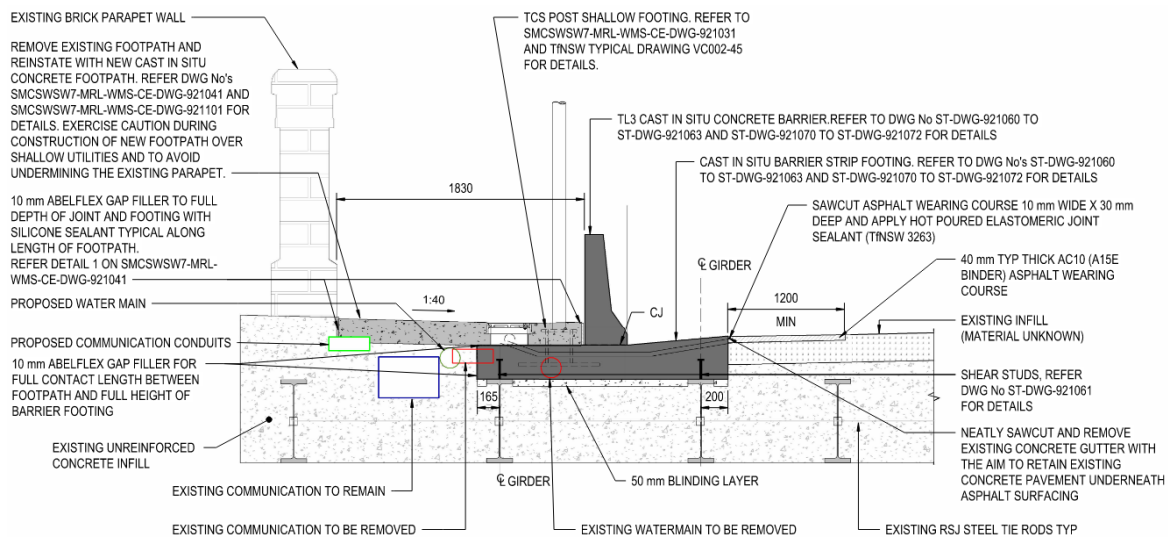


Figure 2: Cross section of the proposed countryside footpath behind type-f barrier

- A TL3 guardrail and ET-SS end terminal (approx. 33m long) as shown in the section Figure 3 below. The TL3 guardrail is connected to the type-f concrete barrier.

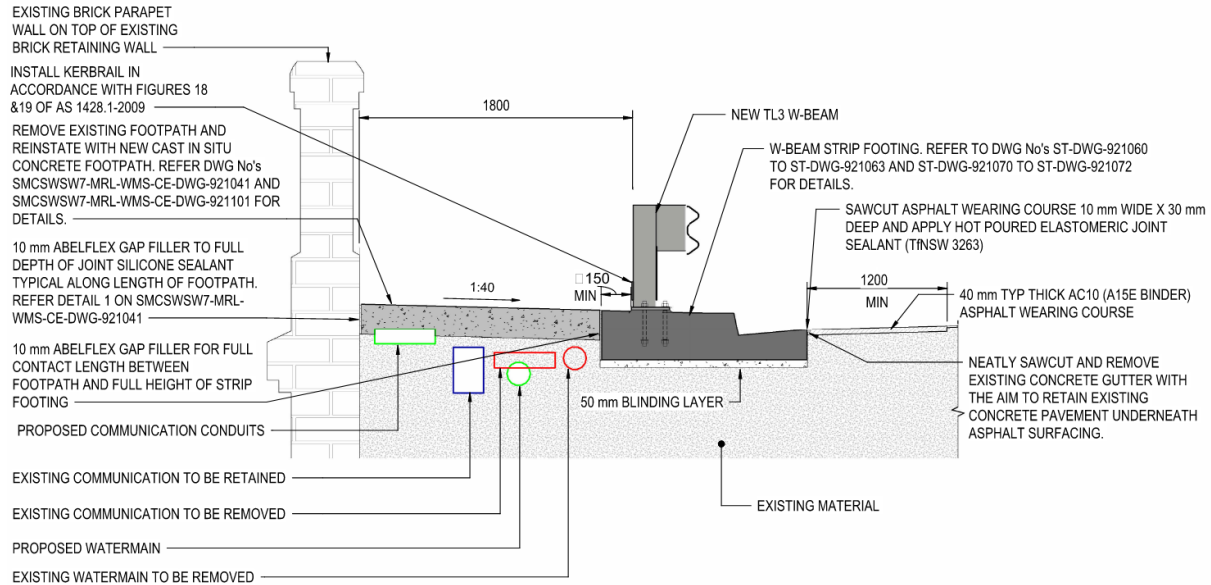


Figure 3: Cross section of the proposed countryside footpath behind TL3 w-beam

The overall proposal is shown in Figure 1 and Figure 4 below. The protective measure treatments will require the reduction to a short section of the northbound travel lane on Illawarra Road. This section is approximately 3.4-3.6 metres wide, and will be reduced to 3.2 metres wide, and aligns with the travel lane width further north; this will allow appropriate travel widths for buses. In addition, the footpath on the western side will be reduced from 2.1 metres to 1.8 metres and is adequate pedestrians.

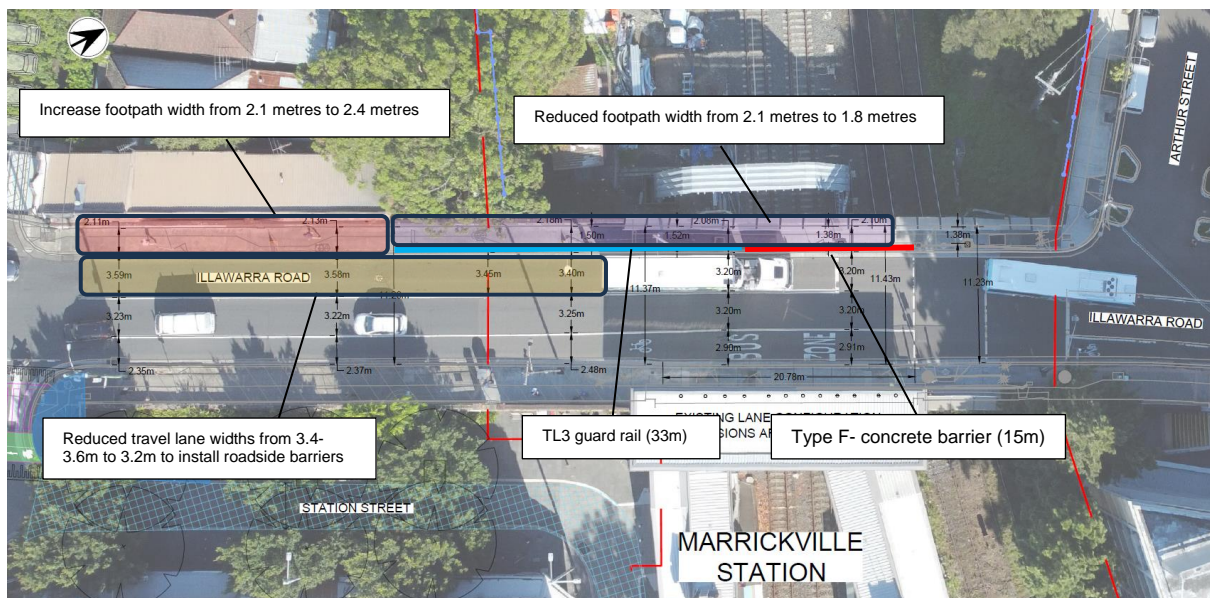


Figure 4: Plan of the existing lane configuration of Illawarra Road at Marrickville Station

The protective measure works will require an adjustment to the existing signalised mid-block pedestrian crossing on Illawarra Road, south of Arthur Street; this is under the jurisdiction of Transport for NSW and subject to Transport for NSW approval. The proposal is shown in Figure 5 below.

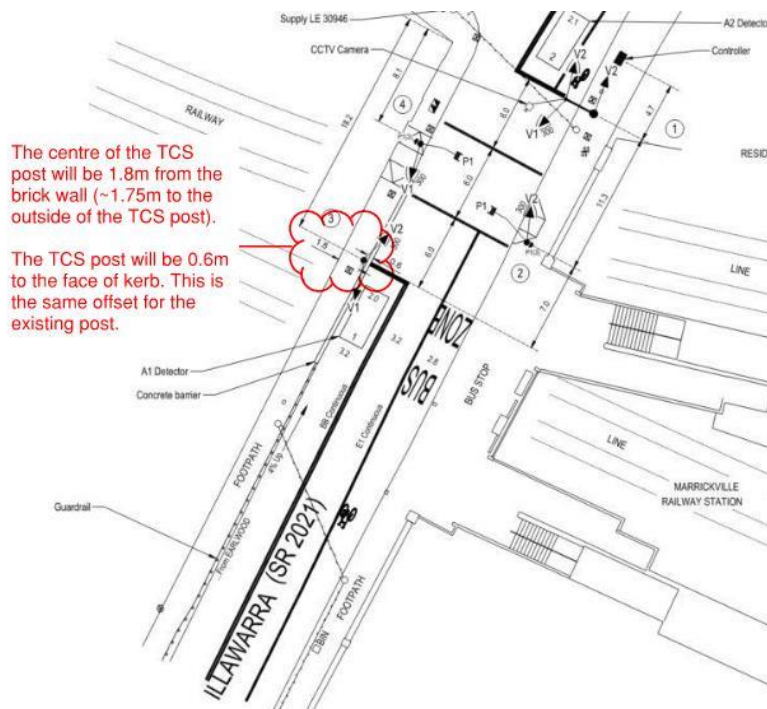


Figure 5: TCS plan - Signal post adjustment at Illawarra Road

FINANCIAL IMPLICATIONS

There are no financial implications associated with the implementation of the proposed recommendations outlined in the report.

ATTACHMENTS

1. [↓](#) Sydney Metro report
2. [↓](#) Road Safety Audit
3. [↓](#) Design plan
4. [↓](#) Design plan
5. [↓](#) Design plan

1 Illawarra Road overbridge LTC Report

1.1 Introduction:

This report is to seek Local Traffic Committee (LTC) and Council's approval to adjust the existing countryside (northbound) kerb and footpath on Illawarra Road at Marrickville Station as part of the necessary road safety barrier works of the Errant And Hostile Vehicle Mitigation Treatment for the Southwest Metro project. A cross section of the proposed changes has been provided in **Figure 3**. Proposed works will also involve modification of existing Traffic Control Signal (TCS) design at Marrickville Station.

1.2 Scope of works

To mitigate any potential errant vehicle entering the rail corridor, which are also Critical State Significant Infrastructure (CSSI), it is necessary to implement protection measures. In addition, Sydney Metro Trains are driverless trains, hence not able to see/observe errant vehicles in the rail corridor.

To overcome the above safety concerns, Martinus has developed a countryside barrier design which provides errant vehicle mitigation solutions to protect the rail corridor whilst balancing the minimum requirements of road and footpath users. The kerb line positioning ensures compliance with the carriageway width, minimising impact on the existing bridge while optimising footpath width for improved pedestrian access. Security upgrades near the station on the cityside enhance protection against hostile vehicles.

The civil and structural design works for the Illawarra Road overbridge at Marrickville Station site include:

- Upgrading the existing kerb and footpath to accommodate MASH TL3 compliant traffic barriers (countryside).
- Kerb and footpath reconstruction, and level tie-ins (countryside).
- Relocation of TCS post (countryside).
- Identification of utilities affected by the works for utility asset owners (countryside).
- Installation of HVM PAS 68 rated bollards (cityside).

1.3 Existing features

Illawarra Road is an un-classified regional road with a posted speed of 50km/h and provides general access to vehicles (including buses). The subject section of Illawarra Road overbridge, the section between Warburton Street and Arthur Street, consists of two-lane and two-way traffic. These lanes are situated within an 11.2m wide carriageway.

The countryside consists of a min 3.2m wide lane at the signalised crossing (decreasing from approx. 3.6m at Warburton Street) and a 2.1m wide footpath (with a min 1.5m clear width at localised sections).

The cityside consists of a min 3.2m wide lane at the signalised crossing (which is maintained to Warburton Street), a 2.9m wide bus zone at the station entrance and a 2.4m shoulder / cycle lane between the bus zone and Warburton Street. Refer Figure 1.

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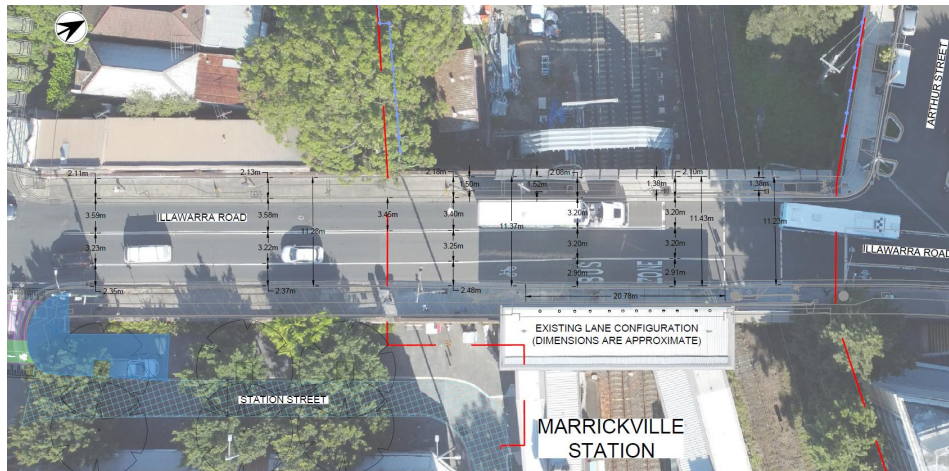


Figure 1: Plan of the existing lane configuration of Illawarra Road at Marrickville Station

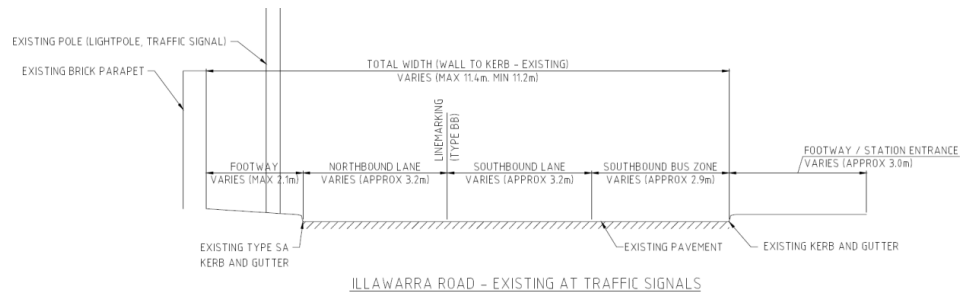


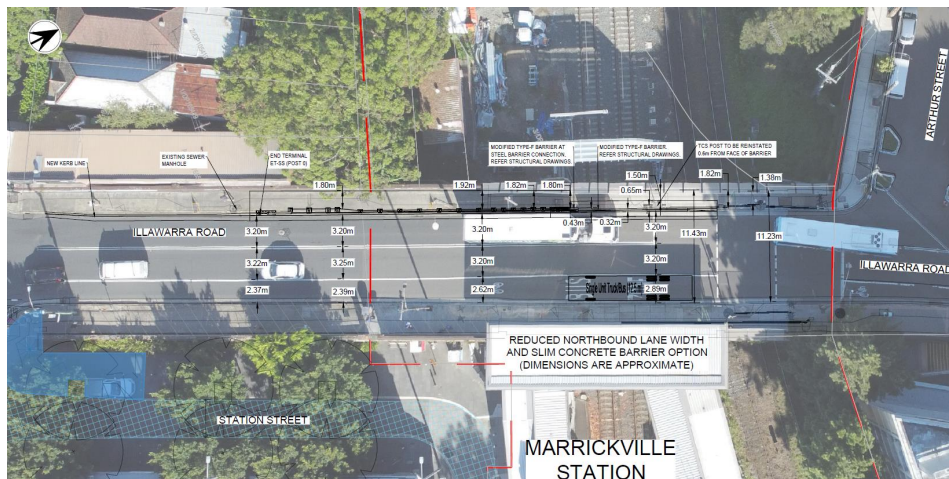
Figure 2: Cross section of the existing lane configuration of Illawarra Road at Marrickville Station

Key width dimensions have been documented in the table below.

Location	Existing (m)	Proposed (m)	Difference (m)
NB lane	3.2 – 3.6	3.2	0.4 reduction
NB shoulder	0.0	0.0	No change
Western footpath	2.1	1.8	0.3 reduction
SB lane	3.2	3.2	No change
SB shoulder / bus zone	2.4 / 2.9	2.4 / 2.9	No change
Eastern footpath	3.0	3.0	No change

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As part of the road safety barrier works on the countryside of Illawarra Road, a 68m section of the existing kerb is proposed to be replaced between Warburton Street and the southern edge of the Illawarra Road / Arthur Street pedestrian crossing kerb ramp.



There are no changes to linemarking or southbound lane widths proposed. The northbound lane will be reduced from a variable (3.6m to 3.2m) width to a constant 3.2m wide lane.

At the southern end, the realigned type-sa kerb joins back to existing on the northern edge of the existing stormwater pit on Illawarra Road near Warburton Street. At the northern end, the type-f barrier joins back to existing at the signalised crossing.

The existing footpath will be reconstructed between the southern tie in and Arthur Street. Existing non-compliant footpath crossfalls will be removed as part of the reconstruction works to achieve DDA compliant crossfalls in the footpath. This will require lowering of the footpath and impact existing utility cover and pit lids.

A traffic control signal will be relocated as part of these works. This is discussed further in Section 1.6.

The proposed relocation of the kerb line toward the centre of the carriageway on the countryside is designed to ensure that a minimum 1.8m wide clear footpath width (as requested by Council) is achieved between the back of the barrier system to the existing brick parapet, refer Figure 4 and Figure 5. The primary design intent is to maintain both the minimum width and the position of the existing traffic lanes, ensuring minimal disruption to the current lane configuration and clearances.

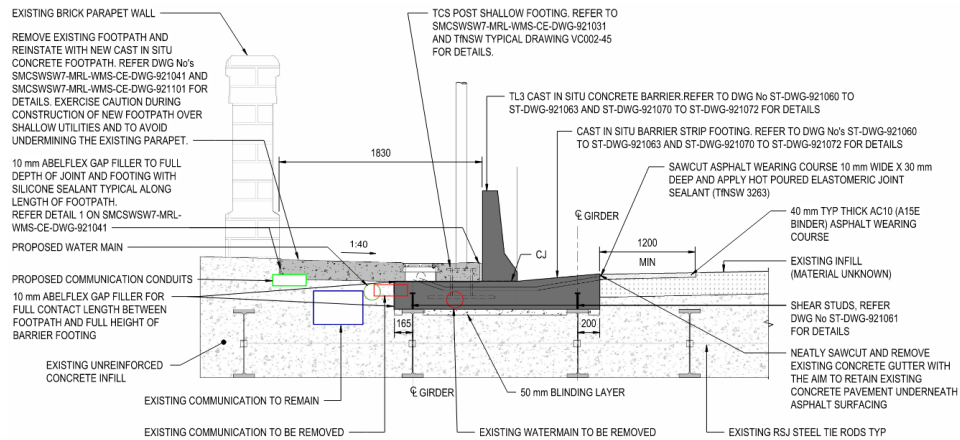


Figure 4: Cross section of the proposed countryside footpath behind type-f barrier

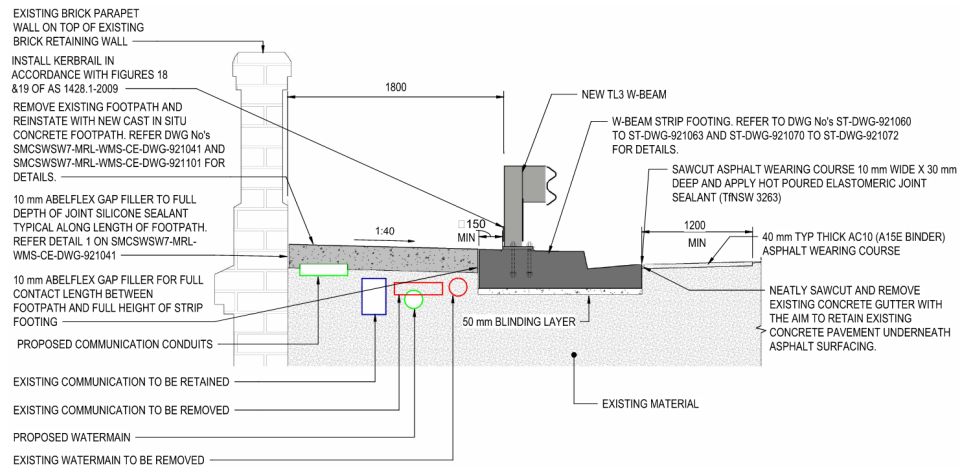


Figure 5: Cross section of the proposed countryside footpath behind TL3 w-beam

1.5 Bridge Load Limit

The existing bridge is rated to accommodate a 44-tonne, 19-meter semi-trailer. Check vehicle movements are illustrated in the images below.

The new kerb and barrier arrangement on the bridge would not affect the check vehicle turning movements. However, the existing movements remain constrained.

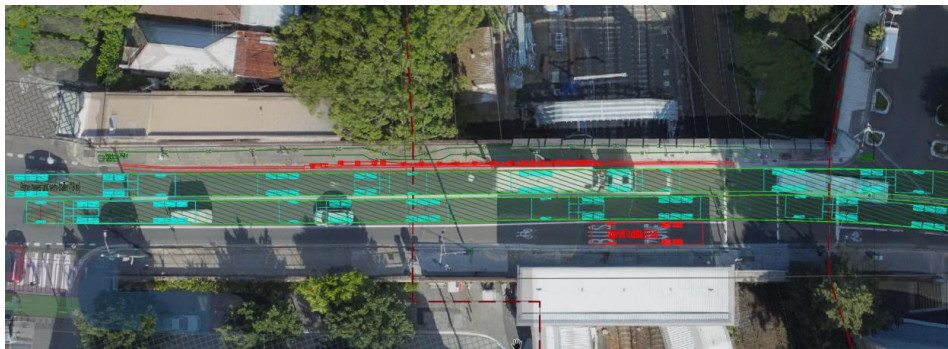


Figure 6: Illawarra Road northbound and southbound heavy vehicle movements

1.6 Traffic Control Signals

A signalised mid-block pedestrian crossing on the Illawarra Road bridge has a primary post that will be impacted by the new TL3 concrete barrier and kerb works on the western side of the bridge as shown in Figure 7. The works to the Traffic Control Signals are being provided to TfNSW for approval.

The primary post is a Type 2 post with a primary vehicle lantern for the northbound movement and secondary vehicle lantern for the southbound movement.

The concrete barrier and kerb works will also impact the in-pavement detector loop, which will need to be recut and reconnected to a new TCS pit on the footpath side of the barrier.

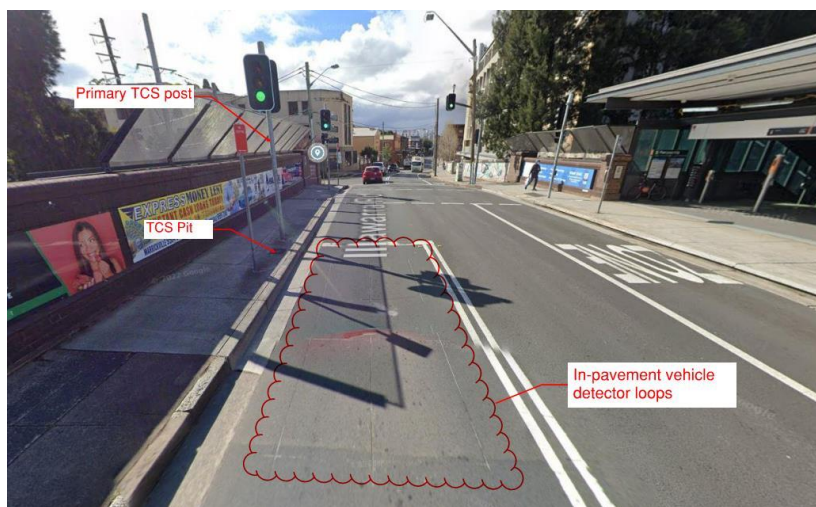


Figure 7 Current TCS Arrangement

A previously submitted TCS Design Layout for the Illawarra Road package incorporated a TCS post on top of the barrier. This arrangement has however changed because it was inconsistent with a TfNSW technical note that did not support a traffic signal post integrated with the barrier.

The new TCS post will be a Type 8 post (post number 3 on TCS Design Layout) behind the barrier as shown in Figure 8 and Figure 9.

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The post has been placed as close to the barrier as practicable to prevent pedestrians walking between the post and the barrier, and to provide a space of approximately 1.75m between the outside edge of the post and the brick wall for pedestrian movements. The post has a 0.6m offset to the kerb.

The in-pavement loop cables will pass through the barrier foundation in a 32mm diameter conduit into a new TCS pit (pavement junction box) as shown in Figure 8.

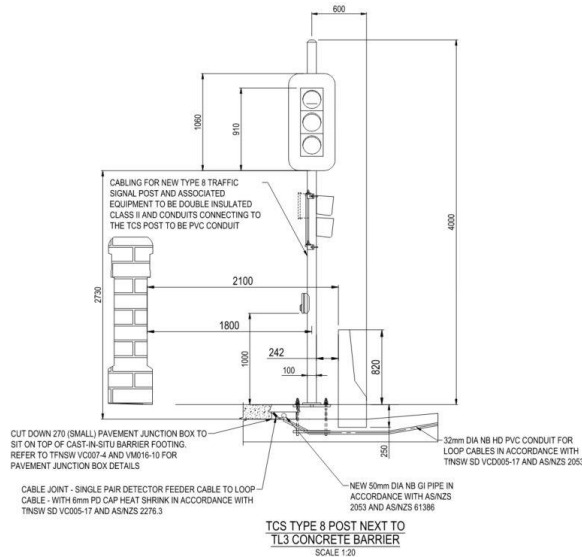


Figure 8 Section - TCS post behind barrier

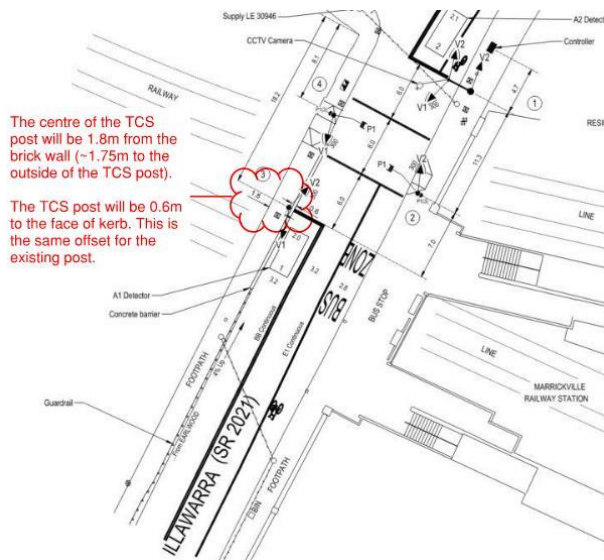


Figure 9 TCS Design Layout - TCS post placement

Although the post offset of 0.6m from the kerb is consistent with the existing condition, the placement will require a departure from TfNSW Traffic Signal Design, Appendix D, Section 1.7.(a), which requires a 1.0m offset.

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It should be noted that the proposed post offset of 0.6m will provide the same lantern visibility and clearance to the dynamic envelope for the northbound movement as is currently provided by the existing lantern arrangement as shown in Figure 10. If the lantern requires additional protection, the lantern can be offset from the centre of the post towards the footpath with longer lantern brackets.



Figure 10 Illawarra Road bridge - south approach

1.7 Road Safety Audit

A pre-construction road safety audit was conducted on 11th September 2024. This report presented the findings of a Pre-construction Road Safety Audit based on the Preliminary Design Drawings. The audit reviewed the design information provided for the section of Illawarra Road near Marrickville Train Station, which was impacted by the planned changes outlined in the design.

The purpose of the audit was to verify the implementation of documentation and planning for works within road-related areas, particularly within the project's specified impact zone. It evaluated the application of the 'safe system' approach to road design, focusing on identifying and mitigating roadside hazards. These hazards included, but were not limited to, signage and pavement markings, pedestrian and cyclist facilities, delineation, sight distances, intersection controls, and safety barriers.

The following items were identified, designer responses have been provided.

No.	Document Reference	Description of Deficiency / Observation	Risk level	Designer's Response/Action for Resolution
1	SMCSWSW7-MRL-WMS-ST-DWG-921011	<p>The preliminary design outlines the proposed removal and replacement of the existing footpath. The new footpath in the typical sections seems to vary in grade, while showing a 1:25 grade. The sections appear to be steeper in some, and if constructed as shown may result in a difficult crossfall for navigating with prams and wheelchairs.</p> <p>Due to the barrier position this is unlikely to result in an incident involving vehicles but may result in wheelchair pedestrians unnecessarily crossing the road to avoid problematic areas.</p> <p>REMOVE EXISTING FOOTPATH AND REDEVELOP WITH NEW CAST IN SITU CONCRETE FOOTPATH</p> <p>NEW T3 W BEAM</p> <p>CAST IN SITU CONCRETE FOOTPATH (1:25 GRADE) TO MEET MANUFACTURER'S REQUIREMENTS BEFORE ASPHALT OR EQUIVALENT FOR DETAILS</p> <p>THREE BEAM STOP FOOTING</p> <p>ILLAWARRA ROAD</p> <p>THREE THICK ACTE (1:25) BASED ASPHALT WEARING COURSE</p> <p>ACQU (1:40 GRADE) ASPHALT REBEL</p> <p>EXISTING UNREINFORCED CONCRETE BEEL</p> <p>PROPOSED WATER MAIN</p> <p>THIN REINFORCED CONCRETE FOOTPATH (1:25 GRADE) TO MEET MANUFACTURER'S REQUIREMENTS BEFORE ASPHALT OR EQUIVALENT FOR DETAILS</p> <p>EXISTING COMMUNICATION CHANNELS TO BE REMOVED TO ALLOW SPACE FOR WATER MAIN</p>	<p>Likelihood – Rare</p> <p>Severity – Moderate</p> <p>Risk Rating – Low</p>	<p>The Stage 3 design achieves a crossfall grade of 1:40 (2.5%) for the new footpath.</p>
2	SMCSWSW7-MRL-WMS-ST-DWG-921011	<p>The TL-3 W beam barrier carries a deflection area if impacted. It is understood that the barrier is in a relatively low speed environment, and impacts are unlikely, however may result in deflection of barrier onto the footpath where pedestrians are travelling.</p> <p>In some very unlikely cases may result in the barrier deflecting into the pedestrians, although it is noted that an impact on the barrier before impacting a pedestrian is likely to result in a reduced injury to the pedestrian.</p>	<p>Likelihood – Rare</p> <p>Severity – Moderate</p> <p>Risk Rating – Low</p>	

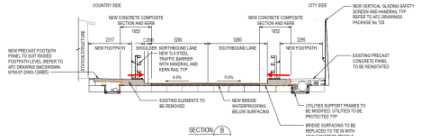
No.	Document Reference	Description of Deficiency / Observation	Risk level	Designer's Response/Action for Resolution
2	SMCSWNT-MRL-WDH-ST-DWG-922012	<p>The new barriers are proposed to reduce the existing bridge traffic lane widths. As a result, the remaining lane widths are 3.2m wide.</p> <p>Due to the transition and horizontal curves for traffic approaching the station from the south-west, it is unclear of the design vehicle and swept paths navigating this transition, and how they are to operate.</p> <p>Tight lane widths, a design vehicle of either a 19m semi-trailer or rigid council garbage truck may result in an increased frequency side-swipe type collisions as a result of the larger vehicles encroaching into the opposing lane while navigating the curves. These incidents are expected to occur at low speed.</p> 	<p>Likelihood – Unlikely</p> <p>Severity – Minor</p> <p>Risk Rating – Low</p>	<p>The working width of the TL3 barrier considering deflection and rollover has been calculated to be 1.0 m. The footpath width achieved in the Stage 3 design at the W-beam is 1.5 m. The project scope is to design barriers for errant vehicle mitigation to protect the rail corridor. The project requirement for deflection of the TL3 barrier is to ensure the barrier does not impact on the heritage brick parapet wall at the northern edge of the bridge. Pedestrian protection does not fall within the project scope. The existing conditions do not provide protection for pedestrian as there are no existing barriers. We recommend that Sydney Metro consider any mitigations to mitigate this risk so far as is reasonably practicable.</p>

Figure 11: RSA report summary with findings and respond to the issues raised.

1.8 Bus Route via Illawarra Road

Currently bus routes 423 / 423X (City Martin Place to Kingsgrove), N40 (City Town Hall to East Hills Night Service), SW1 (Sydenham to Bankstown) and 645s (St Scholasticas, Glebe to Earlwood) travel through Marrickville via Illawarra Road and go over Illawarra Road bridge.

Home • Plan • Stations, stops and wharves • Marrickville Station

Marrickville Station

T B Car Wheelchair

Routes from this stop

423 Kingsgrove to City Martin Place >

423 City Martin Place to Kingsgrove >

423X Kingsgrove to City Martin Place >

423X City Martin Place to Kingsgrove >

N40 City Town Hall to East Hills (Night Service) >

N40 East Hills to City Town Hall (Night Service) >

SW1 Sydenham to Bankstown >

SW1 Bankstown to Sydenham >

645S Kingsgrove to St Scholasticas, Glebe >

645S St Scholasticas, Glebe to Earlwood >

Figure 12: Bus Routes from Marrickville Station via Illawarra Road (source: [Marrickville Station | transportnsw.info](https://transportnsw.info))

Routes 423, 423X, 426, 430

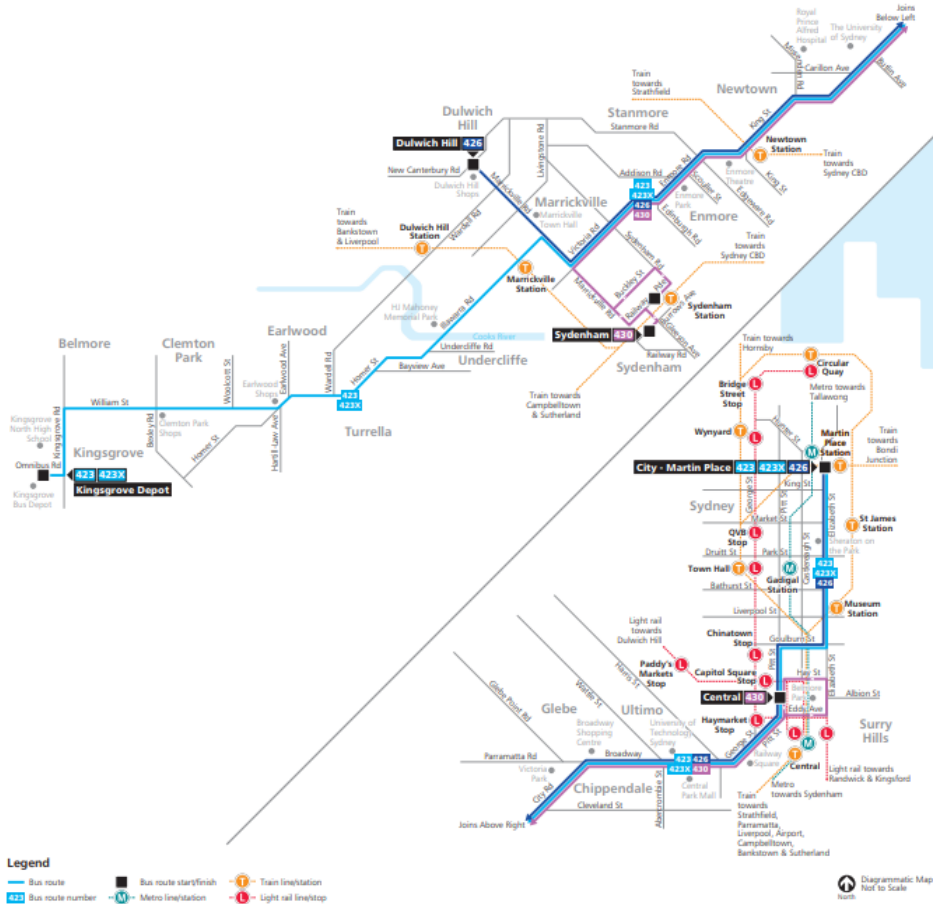


Figure 13: Bus Route No. 423 route plan (source: <https://transportnsw.info/documents/timetables/74-423-Kingsgrove-to-City-Martin-Place-20250203.pdf>)

However, there are school bus services which travel over Illawarra Road bridge which operate only during school terms.

In addition, there are bus services during track possessions which also use Illawarra Road railway overbridge as their movement route.

The proposed countryside barrier and kerb realignment does not impact regular bus route services as a minimum 3.2m lane width (as required by the Bus Operations team) has been achieved. As there are no proposed changes to the lanes or linemarking on the cityside, the existing southbound bus movements and clearances are maintained.

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1.9 Turn paths

Martinus checked the turn paths for all types of vehicles travelling northbound and southbound on Illawarra Road overbridge. The turn paths included but not limited to 5.2m cars/vans (B99 vehicles), 8.8m long service vehicles and 12.5m long vehicles/ buses. From the turn path analysis, it was identified that the existing road configuration is constrained in the vicinity of the traffic signals at the station entrance but allows sufficient space for heavy vehicles to pass in the low-speed environment. By retaining existing lane widths at the traffic signals, existing vehicle movements in this constrained area are maintained.

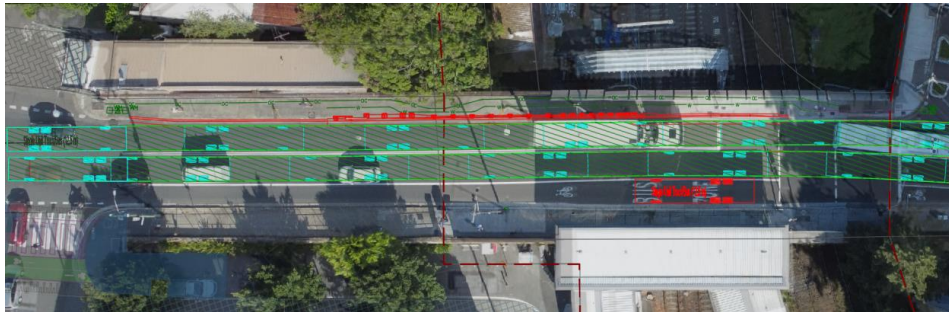


Figure 14: Turn paths on existing road configuration for buses travelling north-south direction on Illawarra Road over the railway bridge.

1.10 Conclusion

The scope to meet Sydney Metro safety requirements dictate rated bridge barriers to prevent errant vehicles from entering the rail corridor. The primary design intent is to maintain minimum width requirements of road users ensuring minimal disruption to the existing traffic lane configuration and clearances whilst maximising the available clear width of travel for pedestrians. The proposed kerb realignment on the countryside of Illawarra Road balances minimum width requirements for different user groups and is generally in line with existing conditions. Given the minimal changes to the existing lane configurations and necessity for vehicle protection to the rail corridor we believe this proposal should be viewed favourably by the Committee.

1.11 Supporting documents

- PKG921 Illawarra Road Overbridge – construction drawings
- PKG921 Illawarra Road Overbridge – design report
- Turn path sketches
- Road Safety Audit

1.12 Recommendations

The Inner West Council's Local Traffic Committee recommended that;

- TBC

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DETAILED DESIGN ROAD SAFETY AUDIT

MARTINUS – ERRANT AND HVM TREATMENTS

ILLAWARRA ROAD OVERBRIDGE (MARRICKVILLE STATION)



Civlink Consulting Pty Ltd
ABN 64 633 194 948
Telephone +61 432 544 458
Email alex@civlink-consulting.com.au
Website www.civlink-consulting.com.au

DETAILED DESIGN - ROAD SAFETY AUDIT

MARTINUS – ERRANT AND HVM TREATMENTS – SYDNEY METRO

ILLAWARRA ROAD OVERBRIDGE (MARRICKVILLE STATION)

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DETAILED DESIGN - ROAD SAFETY AUDIT

MARTINUS – ERRANT AND HVM TREATMENTS – SYDNEY METRO

ILLAWARRA ROAD OVERBRIDGE (MARRICKVILLE STATION)



Document Control

Title:	Description
Ref No.:	CCPL-MAR-SMW-RSA-0002
Description:	Errant and HVM Treatments – Sydney Metro City and Southwest

Role	Name	Position
Author:	Alex Gosper	Level 3 – Road Safety Auditor

Document Revisions

No.	Date	Issue / Description
00	16.09.2024	ORIGINAL ISSUE
01	31.01.2025	CRITICAL DESIGN REVIEW - UPDATE

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CCPL-MAR-SMW-RSA-0002 / REVISION 01
As at 31/01/2025

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DETAILED DESIGN - ROAD SAFETY AUDIT

MARTINUS – ERRANT AND HVM TREATMENTS – SYDNEY METRO

ILLAWARRA ROAD OVERBRIDGE (MARRICKVILLE STATION)



Executive Summary

Audited Project:	Errant and HVM Treatments – Sydney Metro City and Southwest
Audit for:	Martinus
Address:	Illawarra Road at Marrickville Station
Email Address:	Christian.Kasadelis@martinus.com.au
Clients Contact:	Christian Kasadelis
Auditors:	<p>Alex Gosper (Level 3 Road Safety Auditor – ID:0908), Director / Senior Civil Engineer – Civlink Consulting Pty Ltd</p> <p>Louis Peau (Level 3 Road Safety Auditor – ID:1271), Director / Senior Civil Engineer – Civlink Consulting Pty Ltd</p>
Audit Type:	Pre-construction Preliminary Design Road Safety Audit
Commencement Meeting:	Monday 9 th September 2024
Site Visit:	Wednesday 11 th September 2024
Completion Meeting:	To be advised
Previous Audit:	Nil

DETAILED DESIGN - ROAD SAFETY AUDIT

MARTINUS – ERRANT AND HVM TREATMENTS – SYDNEY METRO

ILLAWARRA ROAD OVERBRIDGE (MARRICKVILLE STATION)



1. Introduction

1.1 Purpose of Audit

This report presents findings of a Pre-construction Road Safety Audit (based on the Preliminary Design Drawings). The audit will review the design information provided for the section of Illawarra Road at the Marrickville train station impacted by the planned changes reflected in the design.

The audit is conducted to verify the manifestation of the documentation and planning for works within road related areas, and within the specified area affected by the project works. The audit scrutinizes the 'safe system' approach to road design, targeting roadside hazards including (but not limited to) signage and pavement marking, pedestrian & cyclists' facilities, delineation, sight distances, intersection controls and safety barriers.

The design being audited covers Illawarra Road at Marrickville Station in Marrickville, as outlined in Figure 1, below;

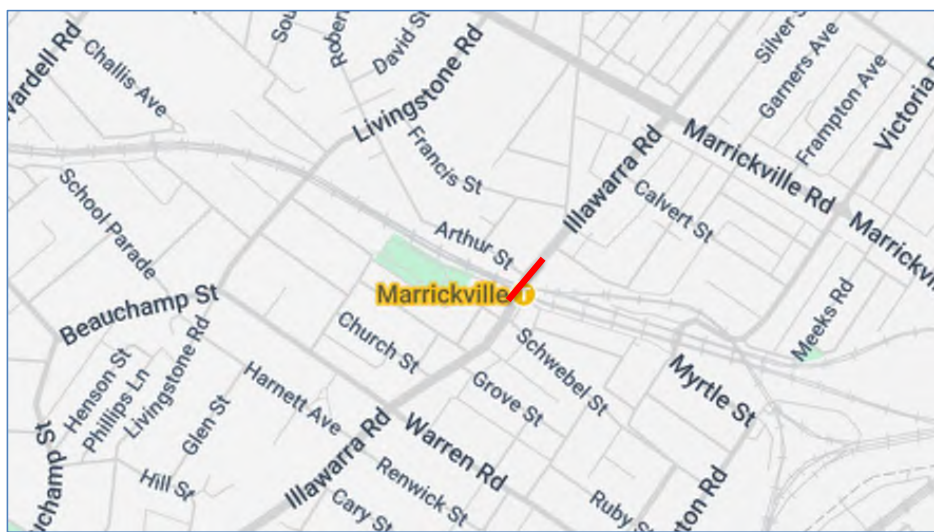


Figure 1: Preliminary Design - Road Safety Audit Scope

[Source: Google]

1.2 Audit Objectives

The objective of this road safety audit was to identify relevant road safety deficiencies in the design and planning documents which, if addressed, would improve safety for road users.

The other objectives of this Preliminary Design Road Safety Audit were to:

- Check the compatibility between the traffic management's safety features and the functional classification of the roads.
- Identify any design feature's that can, either now or with time, create a traffic safety issue.
- Identify additional design's features at the site that pose a safety hazard or risk to any of the road users
- Determine the extent of the deficiencies in the design, considering all road user groups.



DETAILED DESIGN - ROAD SAFETY AUDIT

MARTINUS – ERRANT AND HVM TREATMENTS – SYDNEY METRO

ILLAWARRA ROAD OVERBRIDGE (MARRICKVILLE STATION)

1.3 Procedures and reference material

The procedures used are those in the Austroads Guide to Road Safety Part 6: Road Safety Audit (2022) and RTA Guidelines for Road Safety Audit Practices 2011.

1.4 Supporting information

The preliminary design drawings were the primary reference document provided for assessment, and audit. The audit was conducted primarily focusing on the areas where changes are proposed within the road and pedestrian corridor, the ways in which these changes will be implemented and a review of how these new arrangements may interact with the existing road configuration.

A copy of the Preliminary Design package is included in Appendix A.

Table 1 - Supporting Documents

Document reference	Document description	Revision
DESIGN REPORT		
SMCSWSW7-MRL-WMS-CE-REP-927001	DESIGN REPORT	B
GENERAL DRAWINGS		
SMCSWSW7-MRL-WMS-CE-DWG-921001	COVER SHEET	B
SMCSWSW7-MRL-WMS-CE-DWG-921002	DRAWING INDEX	B
SMCSWSW7-MRL-WMS-CE-DWG-921005	LEGEND	B
SMCSWSW7-MRL-WMS-CE-DWG-921011 - 921019	GENERAL NOTES	B
CIVIL DRAWINGS		
SMCSWSW7-MRL-WMS-CE-DWG-921031	TYPICAL DETAILS	B
SMCSWSW7-MRL-WMS-CE-DWG-921041	FOOTPATH PAVEMENT DETAILS	B
SMCSWSW7-MRL-WMS-CE-DWG-921101	GENERAL ARRANGEMENT	B
STRUCTURAL DRAWINGS		
SMCSWSW7-MRL-WMS-ST-DWG-921010 - 921011	GENERAL ARRANGEMENT	B
SMCSWSW7-MRL-WMS-ST-DWG-921025	BOLLARD FOUNDATION DETAILS	B
SMCSWSW7-MRL-WMS-ST-DWG-921060 - 921063	TRAFFIC BARRIER LAYOUT	B
SMCSWSW7-MRL-WMS-ST-DWG-921070 - 921071	TRAFFIC BARRIER REINFORCEMENT	B
SMCSWSW7-MRL-WMS-ST-DWG-921150	BAR SHAPES DIAGRAM	B
UTILITIES DRAWINGS		
SMCSWSW7-MRL-WMS-UT-DWG-921101 - 921102	UTILITIES LAYOUT	B

1.5 Audit Team

This Audit Team consisted of:

- Alex Gosper** (Civlink Consulting Director / Traffic Manager / Senior Civil Engineer). Alex is a registered Road Safety Auditor with the Institute of Public Works Engineers Australia, NSW and senior auditor in both VIC & QLD. Alex is a registered Level 3 Road Safety Auditor in NSW.
- Louis Peau** (Civlink Consulting Director / Traffic Manager / Senior Civil Engineer). Louis has 11 years construction and traffic experience and is a registered Level 3 (Lead) Road Safety Auditor in NSW and senior auditor in both VIC & QLD.

2. Road Safety Audit Program

2.1 Commencement Meeting

On Monday the 9th of September 2024 a commencement email and phone call was received from Christian Kasadelis requesting a pre-construction audit be conducted on the preliminary design drawings for the barrier upgrade works on King Georges Road at the Wiley Park train station. The audit

DETAILED DESIGN - ROAD SAFETY AUDIT

MARTINUS – ERRANT AND HVM TREATMENTS – SYDNEY METRO

ILLAWARRA ROAD OVERBRIDGE (MARRICKVILLE STATION)

was to be conducted by Alex Gosper, Lead Road Safety Auditor (Civlink Consulting) with the assistance of Louis Peau. The audit was to be conducted on the provided design drawing set which outlined the proposed arrangement for the new treatments being designed for the errant vehicle protection works at the station as part of the Sydney Metro West upgrade.



2.1 Updated design

Additional design drawings were issued on the 31st of January 2025. The drawings outlined the change in design of the barrier to northern side of the bridge.

These were reflected in the revised drawing set, and a new table of findings has been introduced for any additional issues in Section 5, below.

2.2 Site inspection

A site inspection was undertaken on Wednesday 11th of September 2024, which reviewed the site during daylight conditions.

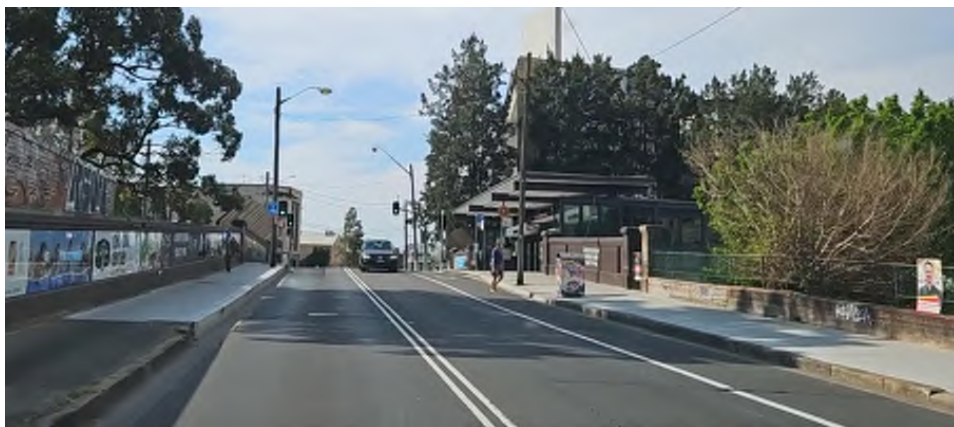


Figure 2 Illawarra Road northbound at Marrickville Station

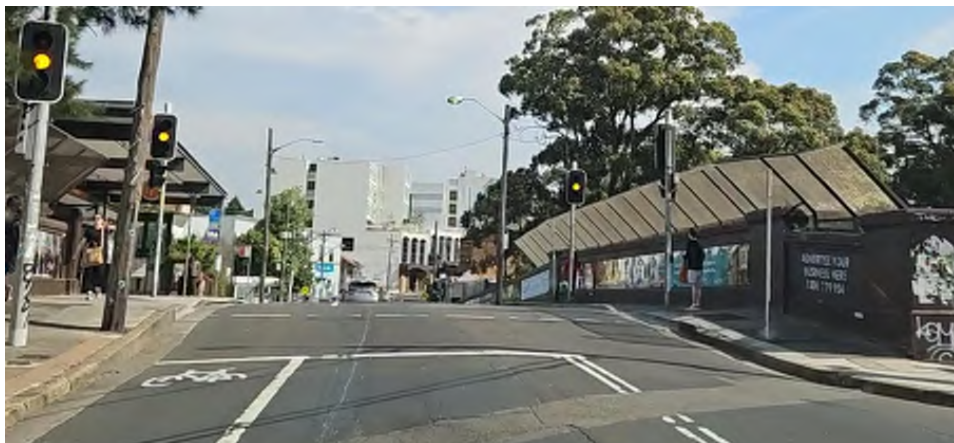


Figure 3 Illawarra Road southbound at Marrickville Station

2.3 Completion meeting

Project representatives are to advise of the need for a Completion meeting.

CCPL-MAR-SMW-RSA-0002 / REVISION 01
As at 31/01/2025

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DETAILED DESIGN - ROAD SAFETY AUDIT

MARTINUS – ERRANT AND HVM TREATMENTS – SYDNEY METRO

ILLAWARRA ROAD OVERBRIDGE (MARRICKVILLE STATION)



2.4 Responding to the audit report

The responsibility for the design and implementation of this project rests with the client's project management and/or the design team. The project manager is under no obligation to accept the audit findings. Also, it is not the role of the auditor to agree or to approve the project manager's responses to the audit. Rather, the audit provides the opportunity to highlight potential road safety problems and have them formally considered by the project manager or design manager in conjunction with all other project considerations.

2.5 Corrective action response

The road safety audit is a formal process. The road safety audit report is by no means the end of the audit process. The audit report documents the audit teams' identified concerns made to improve the safety of the roads. This report must be responded to by the client with a written response to each audit finding.

2.6 Disclaimer

The findings and opinions in the report are based on the examination of the design drawings and might not address all concerns existing at the time of the audit. The auditors have endeavoured to identify features of the design that could be modified or removed in order to improve safety, although it must be recognised that safety cannot be guaranteed since no road can be regarded as safe. The problems identified have been noted in this report and should be considered for improving road safety. Where corrective actions are not taken, this should be reported in writing, providing the reason for the decision. Readers are urged to seek specific advice on matters and not to rely solely on this report. While every effort has been made to ensure the accuracy of this report, it is made available strictly on the basis that everyone relying on it does so at their own risk without any liability to the Auditors.



DETAILED DESIGN - ROAD SAFETY AUDIT

MARTINUS – ERRANT AND HVM TREATMENTS – SYDNEY METRO

ILLAWARRA ROAD OVERBRIDGE (MARRICKVILLE STATION)

3. Risk Assessment Approach

This audit identified and rated risks per the Austroads recommendation using the assessment process below. Potential safety hazards were identified and categorised based on the frequency of occurrence and severity (consequence of crash). A preliminary risk rating for each identified issue has been assigned in Section 4 which were determined via a subjective judgement by the Auditor guided by the Austroads "Guide to Road Safety, Part 6: Road Safety Audit".

Austroads' provides an indication of the level of risk and what response may be appropriate – refer to the tables below.

3.1 Likelihood

Description	
Almost Certain	Occurrence once per quarter
Likely	Occurrence once per quarter to once per year
Possible	Occurrence once per year to once every three years
Unlikely	Occurrence once every three years to once every seven years
Rare	Occurrence less than once every seven years

3.2 Severity

Description	
Insignificant	Property damage
Minor	Minor first aid
Moderate	Major first aid and/or presents to hospital (not admitted)
Serious	Admitted to hospital
Fatal	At scene or within 30 days of the crash

3.3 Risk Rating

		Severity				
		Insignificant	Minor	Moderate	Serious	Fatal
Likelihood	Almost Certain	Medium	High	High	Extreme	Extreme
	Likely	Medium	Medium	High	Extreme	Extreme
	Possible	Low	Medium	High	High	Extreme
	Unlikely	Negligible	Low	Medium	High	Extreme
	Rare	Negligible	Negligible	Low	Medium	High

3.4 Treatment

Risk	Suggested treatment approach
Negligible	No action required
Low	Should be corrected or the risk reduced if the treatment cost is low
Medium	Should be corrected or the risk significantly reduced, if the treatment cost is moderate but not high
High	Should be corrected or the risk significantly reduced, even if the treatment cost is high
Extreme	Must be corrected regardless of cost

PRELIMINARY DESIGN - ROAD SAFETY AUDIT

MARTINUS – ERRANT AND HVM TREATMENTS

ILLAWARRA ROAD OVERBRIDGE (MARRICKVILLE STATION)



4. Audit Findings

No.	Document Reference	Description of Deficiency / Observation	Risk level
1	SMCSWSW7-MRL-WMS-ST-DWG-921011	<p>The preliminary design outlines the proposed removal and replacement of the existing footpath. The new footpath in the typical sections seems to vary in grade, while showing a 1:28 grade. The sections appear to be steeper in some, and if constructed as shown may result in a difficult crossfall for navigating with prams and wheelchairs.</p> <p>Due to the barrier position this is unlikely to result in an incident involving vehicles but may result in wheelchair pedestrians unnecessarily crossing the road to avoid problematic areas.</p>	<p>Likelihood – Rare</p> <p>Severity – Moderate</p> <p>Risk Rating – Low</p>
2	SMCSWSW7-MRL-WMS-ST-DWG-921011	<p>The TL-3 W beam barrier carries a deflection area if impacted. It is understood that the barrier is in a relatively low speed environment, and impacts are unlikely, however may result in deflection of barrier onto the footpath where pedestrians are travelling.</p> <p>In some very unlikely cases may result in the barrier deflecting into the pedestrians, although it is noted that an impact on the barrier before impacting a pedestrian is likely to result in a reduced injury to the pedestrian.</p>	<p>Likelihood – Rare</p> <p>Severity – Moderate</p> <p>Risk Rating – Low</p>

PRELIMINARY DESIGN - ROAD SAFETY AUDIT

MARTINUS – ERRANT AND HVM TREATMENTS

ILLAWARRA ROAD OVERBRIDGE (MARRICKVILLE STATION)



5. Critical Design Review - Audit Findings

No.	Document Reference	Description of Deficiency / Observation	Risk level
No further issues have been identified as part of the audit			

PRELIMINARY DESIGN - ROAD SAFETY AUDIT

MARTINUS – ERRANT AND HVM TREATMENTS

ILLAWARRA ROAD OVERBRIDGE (MARRICKVILLE STATION)



6. Conclusion

The report outlines where potential deficiencies have been identified for consideration by the project manager and/or designer.

The findings and opinions in the report are based on the examination of the design report and the Preliminary Design drawings for the Marrickville Station barrier upgrade works as part of the Sydney Metro City and Southwest Errant and HVM Treatment works. The Auditors have endeavoured to identify features of the design that could be modified or removed to improve safety, although it must be recognised that safety cannot be guaranteed. 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.

Date: 16.09.2024

Alex Gosper

Director | Level 3 Road Safety Auditor
Civlink Consulting Pty Ltd
M +61 432 544 458
Alex@civlink-consulting.com.au

Date: 16.09.2024

Louis Peau

Director | Level 3 Road Safety Auditor
Civlink Consulting Pty Ltd
M +61 401 511 877
louis@civlink-consulting.com.au

PRELIMINARY DESIGN - ROAD SAFETY AUDIT

MARTINUS – ERRANT AND HVM TREATMENTS

ILLAWARRA ROAD OVERBRIDGE (MARRICKVILLE STATION)



APPENDIX A – DESIGN REPORT

Item 3

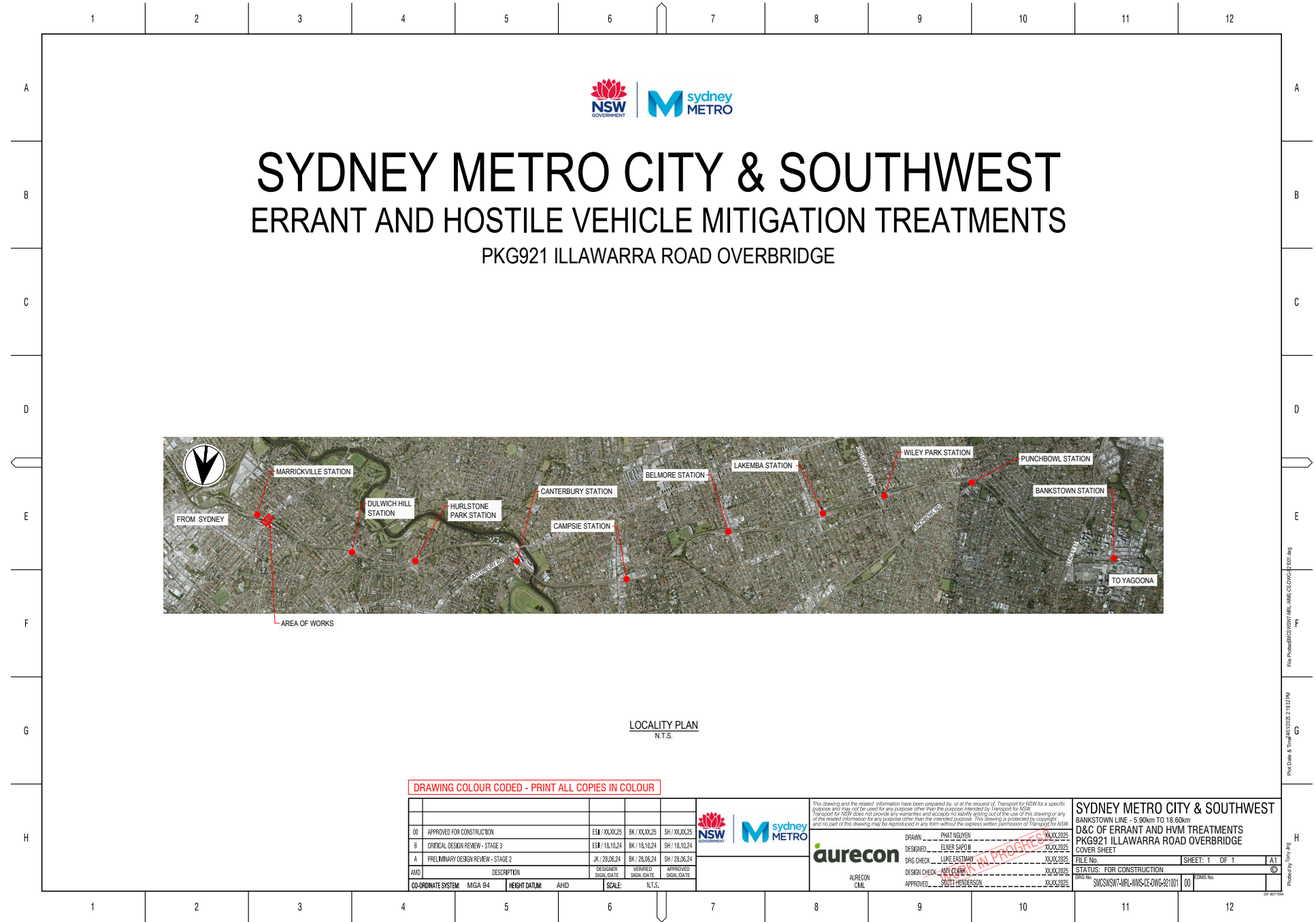
Attachment 2

PRELIMINARY DESIGN - ROAD SAFETY AUDIT
MARTINUS – ERRANT AND HVM TREATMENTS
ILLAWARRA ROAD OVERBRIDGE (MARRICKVILLE STATION)
APPENDIX B – UPDATED DESIGN DRAWINGS

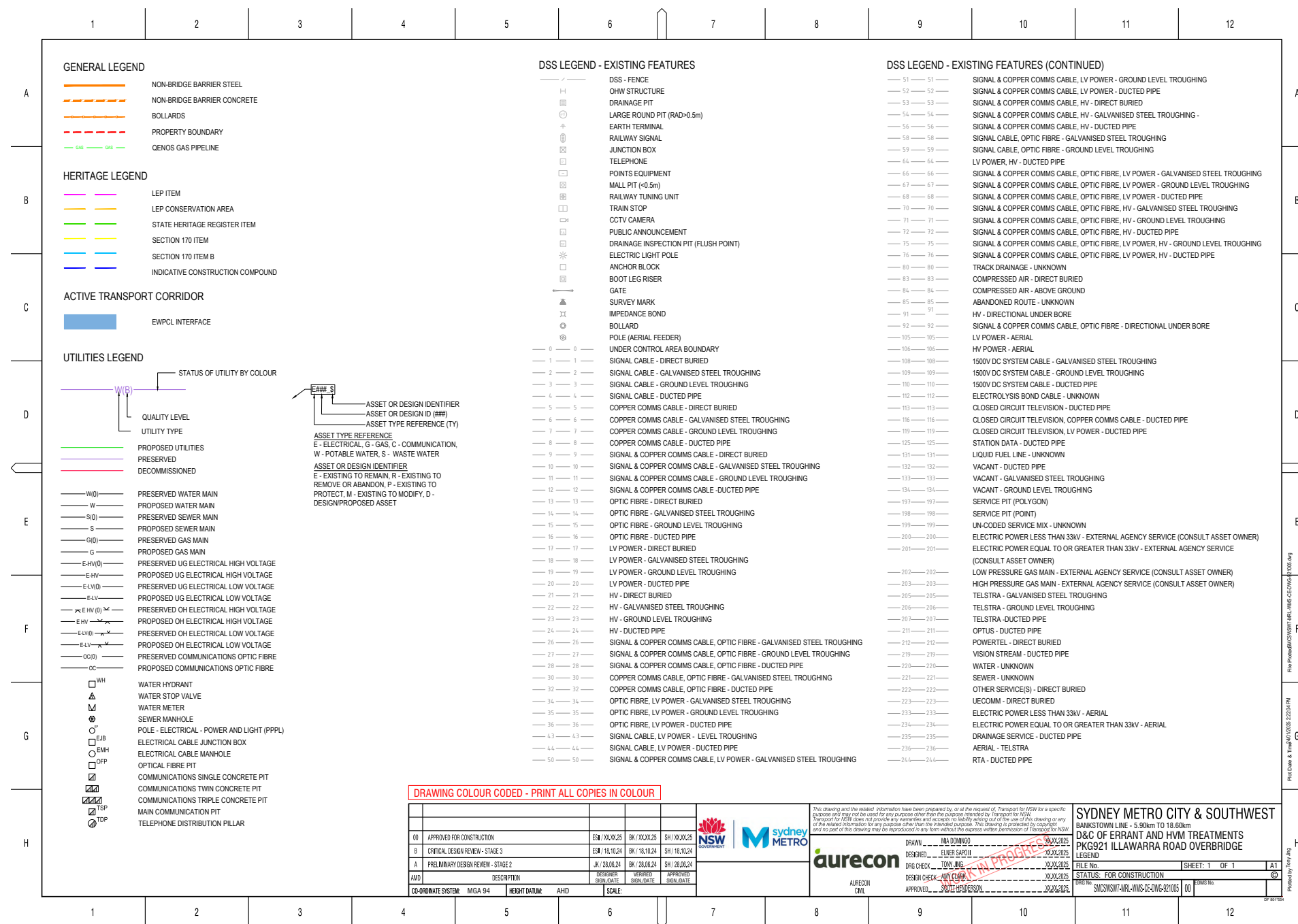


Item 3

Attachment 2



1	2	3	4	5	6	7	8	9	10	11	12	
A	ERRANT AND HOSTILE VEHICLE MITIGATION TREATMENTS PKG921 ILLAWARRA ROAD OVERBRIDGE DRAWING INDEX											A
	DRAWING NUMBER	DRAWING TITLE	DRAWING NUMBER	DRAWING TITLE								
	GENERAL		TRAFFIC CONTROL SIGNALS									
B	SMCSWSW7-MRL-WMS-CE-DWG-921001 SMCSWSW7-MRL-WMS-CE-DWG-921002	COVER SHEET DRAWING INDEX	SMCSWSW7-MRL-WMS-TT-DWG-921160	TCS DETAILS								B
	SMCSWSW7-MRL-WMS-CE-DWG-921005	LEGEND	UTILITIES									
	SMCSWSW7-MRL-WMS-CE-DWG-921011 SMCSWSW7-MRL-WMS-CE-DWG-921012 SMCSWSW7-MRL-WMS-CE-DWG-921013 SMCSWSW7-MRL-WMS-CE-DWG-921014 SMCSWSW7-MRL-WMS-CE-DWG-921015 SMCSWSW7-MRL-WMS-CE-DWG-921016 SMCSWSW7-MRL-WMS-CE-DWG-921017 SMCSWSW7-MRL-WMS-CE-DWG-921018 SMCSWSW7-MRL-WMS-CE-DWG-921019	GENERAL NOTES - SHEET 1 OF 9 GENERAL NOTES - SHEET 2 OF 9 GENERAL NOTES - SHEET 3 OF 9 GENERAL NOTES - SHEET 4 OF 9 GENERAL NOTES - SHEET 5 OF 9 GENERAL NOTES - SHEET 6 OF 9 GENERAL NOTES - SHEET 7 OF 9 GENERAL NOTES - SHEET 8 OF 9 GENERAL NOTES - SHEET 9 OF 9	SMCSWSW7-MRL-WMS-UT-DWG-921101 SMCSWSW7-MRL-WMS-UT-DWG-921102	UTILITIES LAYOUT - SHEET 1 OF 2 UTILITIES LAYOUT - SHEET 2 OF 2								C
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	SMCSWSW7-MRL-WMS-CE-DWG-921031	TYPICAL DETAILS										
D	SMCSWSW7-MRL-WMS-CE-DWG-921041	FOOTPATH PAVEMENT DETAILS										D
	SMCSWSW7-MRL-WMS-CE-DWG-921091	BARRIER SETOUT TABLES										
	SMCSWSW7-MRL-WMS-CE-DWG-921101	GENERAL ARRANGEMENT										
	STRUCTURAL											
	SMCSWSW7-MRL-WMS-ST-DWG-921010 SMCSWSW7-MRL-WMS-ST-DWG-921011 SMCSWSW7-MRL-WMS-ST-DWG-921012	GENERAL ARRANGEMENT - SHEET 1 GENERAL ARRANGEMENT - SHEET 2 GENERAL ARRANGEMENT - SHEET 3										E
	SMCSWSW7-MRL-WMS-ST-DWG-921025	BOLLARD FOUNDATION DETAILS										
	SMCSWSW7-MRL-WMS-ST-DWG-921030	DEMOLITION WORK PLAN										
	SMCSWSW7-MRL-WMS-ST-DWG-921060 SMCSWSW7-MRL-WMS-ST-DWG-921061 SMCSWSW7-MRL-WMS-ST-DWG-921062	STRIP FOOTING AND TRAFFIC BARRIER DETAILS - SHEET 1 STRIP FOOTING AND TRAFFIC BARRIER DETAILS - SHEET 2 STRIP FOOTING AND TRAFFIC BARRIER DETAILS - SHEET 3										F
F	SMCSWSW7-MRL-WMS-ST-DWG-921063	TRAFFIC BARRIER DETAILS - SHEET 3										F
	SMCSWSW7-MRL-WMS-ST-DWG-921070 SMCSWSW7-MRL-WMS-ST-DWG-921071 SMCSWSW7-MRL-WMS-ST-DWG-921072	STRIP FOOTING AND TRAFFIC BARRIER REINFORCEMENT - SHEET 1 STRIP FOOTING AND TRAFFIC BARRIER REINFORCEMENT - SHEET 2 STRIP FOOTING AND TRAFFIC BARRIER REINFORCEMENT - SHEET 3										G
	SMCSWSW7-MRL-WMS-ST-DWG-921073	STEEL BARRIER DETAILS										
	SMCSWSW7-MRL-WMS-ST-DWG-921080	BOLLARD FOUNDATION DETAILS										
G	SMCSWSW7-MRL-WMS-ST-DWG-921150	BAR SHAPES DIAGRAM										G
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STRUCTURAL NOTES (CONT.)

CONCRETE CONT'

A

C24. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE SHALL BE COMPACTED WITH MECHANICAL VIBRATORS. CONCRETE FINISHES FOR FORMED SURFACES MUST BE CLASS 2C (EXPOSED SURFACES) AND CLASS 3 FOR ALL PERMANENTLY HIDDEN SURFACES IN ACCORDANCE WITH AS 3610.1.

C25. SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN ON THE STRUCTURAL DRAWINGS OR IN POSITIONS OTHERWISE APPROVED IN WRITING BY THE DESIGNER. THE DEVELOPMENT AND LAP LENGTHS FOR REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE TABLE BELOW UNLESS NOTED ELSEWHERE.

TENSION DEVELOPMENT LENGTH 'L' / SPLICE SCHEDULE (mm)		
BAR SIZE	CONCRETE GRADE 40MPa / 50MPa	
	LESS THAN 300mm CONCRETE BELOW BAR OR VERTICAL BAR *	MORE THAN 300mm CONCRETE BELOW BAR *
N12 DEVEL'T	350	500
SPLICE	350	500
N16 DEVEL'T	500	650
SPLICE	550	750
N20 DEVEL'T	600	800
SPLICE	750	1000
N24 DEVEL'T	800	1050
SPLICE	1000	1300
N28 DEVEL'T	1000	1300
SPLICE	1250	1650
N32 DEVEL'T	1200	1600
SPLICE	1500	1950
N36 DEVEL'T	1450	1900
SPLICE	1800	2350
N40 DEVEL'T	1925	2500
SPLICE	2150	2800

a. CLEAR DISTANCE BETWEEN LAPPED BARS SHALL NOT EXCEED 3 x THE BAR DIAMETER.

b. UNLESS SPECIFIED OTHERWISE LAPS IN ADJACENT BARS SHALL BE OFFSET BY AT LEAST A DEVELOPMENT LENGTH.

c. *VALUES TO BE INCREASED BY 20% FOR 3-BAR BUNDLE AND 33% FOR A 4-BAR BUNDLE.

d. TABULATED VALUES ARE BASED ON 45mm CLEAR COVER TO REINFORCEMENT.

C26. SPLICES IN MESH: THE OUTERMOST TRANSVERSE WIRES SHALL BE OVERLAPPED BY AT LEAST THE SPACING OF THE TRANSVERSE WIRES PLUS 50mm.

C27. CONSTRUCTION TOLERANCE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF TNSW QA SPECIFICATION B80.

C28. PROVIDE 'NOMINAL' COVER AS DEFINED IN SECTION 4.10.3.1 OF AS 5100.5 UNLESS STATED OTHERWISE.

EARTHING AND BONDING NOTES:

EB1. ELECTRICAL CONTINUITY SHALL BE PROVIDED FOR REINFORCEMENT BY TACK WELDING IN ACCORDANCE WITH AS/NZS 1554.3:2014 AT REGULAR INTERVALS AND/OR USING STRONG MULTIPLE TIES.

EB2. ELECTRICAL CONTINUITY OF REINFORCEMENT SHALL BE TESTED IN ACCORDANCE WITH AS/NZS 2832.5:2015. THE STABLE RESISTANCE OF REINFORCEMENT CAGE SHALL BE MEASURED LESS THAN 0.2 OHM PRIOR TO SECURING CAGES OR CASTING CONCRETE.

EB3. TACK WELDS SHALL BE PERFORMED BY A QUALIFIED WELDER AS DEFINED IN AS 1554.

EB4. EXISTING TRAFFIC SIGNAL POST TO BE RELOCATED AND REPLACED WITH NEW DOUBLE INSULATED LIGHTING AND PVC CONDUIT FOR CABLES.

EB5. ELECTRICAL CONTINUITY TEST BETWEEN OHW ATTACHMENTS AND SPARK GAP SHALL BE UNDERTAKEN WITH A MILLI-OHM HIGH CURRENT INJECTION TESTER BEFORE AND AFTER OHW ATTACHMENTS RELOCATION. THE RESULT SHALL BE NO MORE THAN 20mΩ.

DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR

00	APPROVED FOR CONSTRUCTION	ESM / XX.XX.25	BK / XX.XX.25	SH / XX.XX.25	<div><div>NSW GOVERNMENT</div><div>sydney METRO</div><div>aurecon</div></div>
8	CRITICAL DESIGN REVIEW - STAGE 3	ESM / 18.10.24	BK / 18.10.24	SH / 18.10.24	
A	PRELIMINARY DESIGN REVIEW - STAGE 2	JK / 28.06.24	BK / 28.06.24	SH / 28.06.24	
AMD	DESCRIPTION	DESIGNER SIGN DATE	VERIFIED SIGN DATE	APPROVED SIGN DATE	
CD-ORDINATE SYSTEM	IMGA 94	HEIGHT DATUM	AHD	SCALE	

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DRAWN: JML DOWING
DESIGNED: ELMER SAPOTI
DRG CHECK: TONY JUNG
DESIGN CHECK: AMY CLARK
APPROVED: SOUTH HENDERSON

20.XX.2025
XX.XX.2025
XX.XX.2025
XX.XX.2025
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SYDNEY METRO CITY & SOUTHWEST

BANKSTOWN LINE - 5.90km TO 18.60km

D&C OF ERRANT AND HVM TREATMENTS

PKG921 ILLAWARRA ROAD OVERBRIDGE

GENERAL NOTES

FILE NO. SHEET: 4 OF 9 AT

STATUS: FOR CONSTRUCTION

PROJ NO. SMC/NSW/7-ARR-IVMS-CE-DWG-921/14 00

DESIGN NO.

Print Date & Time: 18/01/2025 22:14:19

Plot Date & Time: 18/01/2025 22:14:19

Plot File: P:\Roads\2025\921\ARR-IVMS-CE-DWG-921/14.dwg

Plot by: Tony Jung

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	<div>UTILITIES NOTES</div> <div>GENERAL</div> <div>UT1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL PUBLIC OR PRIVATE SERVICE PROVIDER DRAWINGS, INCLUDING BUT NOT LIMITED TO: - JEMENA DRAWINGS - AUSGRID DRAWINGS - SYDNEY WATER DRAWINGS - TNSW SIGNAL PLAN DRAWINGS - TELSTRA AND OPTUS DRAWINGS - SYDNEY TRAINS DRAWINGS</div> <div>UT2. EXISTING UTILITIES SHOWN ON DRAWINGS ARE INDICATIVE ONLY AND COMPRISES OF A COMBINATION OF DBYD DATA, SYDNEY TRAINS DSS AND GROUND SURVEY DATA OBTAINED DURING THE DESIGN PROCESS AND MAY NOT INCLUDE ALL SERVICES PRESENT. AURECON TAKES NO RESPONSIBILITY FOR THE UTILITY INFORMATION AS SHOWN ON THESE DRAWINGS.</div> <div>UT3. IT IS THE CONTRACTORS RESPONSIBILITY TO LIAISE WITH EACH UTILITY SERVICE PROVIDER, TO LOCATE AND IDENTIFY THE SIZE, POSITION, LINE AND LEVEL OF ALL UTILITY SERVICES IN BOTH PUBLIC AND PRIVATE LAND, PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.</div> <div>UT4. THE CONTRACTOR MUST TAKE EVERY PRECAUTION TO PROTECT EXISTING AND NEW UTILITY SERVICES THROUGH THE COURSE OF THE CONTRACT.</div> <div>UT5. ALL WORKS INVOLVING UTILITY SERVICES TO BE UNDERTAKEN TO THE SATISFACTION OF THE UTILITY SERVICE PROVIDER. THE CONTRACTOR WILL BE RESPONSIBLE FOR ENGAGING WITH THE UTILITY SERVICE PROVIDER, THE EXECUTION OF THE WORK TO THEIR REQUIREMENTS AND PROCUREMENT OF APPROVALS FOR WORKS UNDERTAKEN.</div> <div>UT6. ALL WORKS INVOLVING UTILITY SERVICES MUST ONLY BE UNDERTAKEN USING PLANS APPROVED BY THE UTILITY SERVICE PROVIDER.</div> <div>UT7. ALL SERVICE PIT COVERS TO BE PLACED AT FINISHED SURFACE LEVELS TO MATCH THE PROPOSED LONGITUDINAL AND CROSS FALL GRADES OF THE FOOTPATH OR ROADWAY IT IS CONTAINED WITHIN.</div> <div>UT8. NO PIPE OR TRENCH SHALL BE LOCATED WITHIN THE ZONE OF INFLUENCE (1V:1H) OF A FOOTING WHERE AN AUTHORITIES APPROVAL IS NOT PROVIDED</div> <div>UT9. "WORKS AS CONSTRUCTED" SURVEY ON ALL UTILITY WORK SHALL BE RECORDED PRIOR TO ANY BACKFILLING.</div> <div>UT10. AUSGRID TRANSMISSION CABLES - AUSGRID SUPERVISOR SHALL BE ON SITE WHEN EXCAVATION IS WITHIN 2m OF TRANSMISSION CABLES.</div> <div>UT11. JEMENA GAS - JEMENA SUPERVISOR SHALL BE ON SITE WHEN EXCAVATION IS UNDERTAKEN AS REQUIRED BY JEMENA SPECIFICATIONS.</div> <div>UT12. UTILITY LOCATION BASED ON DATA WITH VARIOUS LEVEL OF ACCURACY. THIS ACCURACY IS DEFINED BY AS 5488 SUCH AS QUALITY LEVEL A HAVING HORIZONTAL AND VERTICAL TOLERANCES OF +- 50mm, QUALITY LEVEL B HAS TOLERANCE OF +- 300mm HORIZONTAL AND +- 500mm VERTICAL AND QUALITY LEVEL D INDICATES THE PRESENCE OF A UTILITY ONLY WITH ITS LOCATION UNDEFINED. ADDITIONAL CONSULTATION MAY BE REQUIRED OR ADDITIONAL CLASHES MAY BE IDENTIFIED ONCE EXACT LOCATION OF UTILITIES IS KNOWN. LOCATION TO BE CONFIRMED ON SITE DURING CONSTRUCTION.</div>																																																																																	
	<div>DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR</div> <table><tr><td>00</td><td>APPROVED FOR CONSTRUCTION</td><td>ESM / XX.XX.25</td><td>BK / XX.XX.25</td><td>SH / XX.XX.25</td><td rowspan="4"></td><td rowspan="4"><p>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</p></td><td>DRAWN</td><td>JMB DOMINGO</td><td>20.XX.2025</td><td rowspan="4"></td><td rowspan="4">FILE NO.</td><td rowspan="4">SHEET: 7 OF 9</td><td rowspan="4">AT</td></tr><tr><td>B</td><td>CRITICAL DESIGN REVIEW - STAGE 3</td><td>ESM / 18.10.24</td><td>BK / 18.10.24</td><td>SH / 18.10.24</td><td>DESIGNED</td><td>ELMER SAPOTI</td><td>20.XX.2025</td></tr><tr><td>A</td><td>PRELIMINARY DESIGN REVIEW - STAGE 2</td><td>JK / 28.06.24</td><td>BK / 28.06.24</td><td>SH / 28.06.24</td><td>DRG CHECK</td><td>TONY JING</td><td>20.XX.2025</td></tr><tr><td>AMD</td><td>DESCRIPTION</td><td>DESIGNER SIGN DATE</td><td>VERIFIED SIGN DATE</td><td>APPROVED SIGN DATE</td><td>DESIGN CHECK</td><td>AMY CLARK</td><td>20.XX.2025</td></tr><tr><td colspan="2">CO-ORDINATE SYSTEM</td><td>MGGA 94</td><td>HEIGHT DATUM</td><td>AHD</td><td>SCALE</td><td>AURECON CML</td><td>APPROVED</td><td>SOUTH HENDERSON</td><td>20.XX.2025</td><td colspan="4">SYDNEY METRO CITY & SOUTHWEST BANKSTOWN LINE - 5.90km TO 18.60km D&C OF ERRANT AND HVM TREATMENTS PKG921 ILLAWARRA ROAD OVERBRIDGE GENERAL NOTES</td></tr><tr><td colspan="11"></td><td colspan="3">STATUS: FOR CONSTRUCTION</td><td colspan="3">DRG NO. SMCNSW7-ARL-WMS-CE-0WG-921017 00</td></tr></table>												00	APPROVED FOR CONSTRUCTION	ESM / XX.XX.25	BK / XX.XX.25	SH / XX.XX.25	  	<p>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</p> 	DRAWN	JMB DOMINGO	20.XX.2025		FILE NO.	SHEET: 7 OF 9	AT	B	CRITICAL DESIGN REVIEW - STAGE 3	ESM / 18.10.24	BK / 18.10.24	SH / 18.10.24	DESIGNED	ELMER SAPOTI	20.XX.2025	A	PRELIMINARY DESIGN REVIEW - STAGE 2	JK / 28.06.24	BK / 28.06.24	SH / 28.06.24	DRG CHECK	TONY JING	20.XX.2025	AMD	DESCRIPTION	DESIGNER SIGN DATE	VERIFIED SIGN DATE	APPROVED SIGN DATE	DESIGN CHECK	AMY CLARK	20.XX.2025	CO-ORDINATE SYSTEM		MGGA 94	HEIGHT DATUM	AHD	SCALE	AURECON CML	APPROVED	SOUTH HENDERSON	20.XX.2025	SYDNEY METRO CITY & SOUTHWEST BANKSTOWN LINE - 5.90km TO 18.60km D&C OF ERRANT AND HVM TREATMENTS PKG921 ILLAWARRA ROAD OVERBRIDGE GENERAL NOTES															STATUS: FOR CONSTRUCTION			DRG NO. SMCNSW7-ARL-WMS-CE-0WG-921017 00			
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	<div style="display: flex; justify-content: space-between;"> <div style="width: 25%;"> <h3>SITE SAFETY NOTES</h3> <p>SS1. ALL CONSTRUCTION WORKS HAVE THE POTENTIAL FOR SAFETY RISKS TO PERSONNEL, PROPERTY AND EQUIPMENT. ALL PARTIES ARE REQUIRED TO CONSIDER, DOCUMENT AND EMPLOY APPROPRIATE WORK PLACE PROCEDURES FOR ALL ACTIVITIES.</p> <p>SS2. THE CONTRACTOR SHALL:</p> <ol style="list-style-type: none"> BE BOUND IN ACCORDANCE WITH THE CURRENT SAFE WORK AUSTRALIA ACT, REGULATIONS AND PRIORITY CODES OF PRACTICE STATE BY STATE. BE RESPONSIBLE FOR THE IMPLEMENTATION, DOCUMENTATION AND MAINTENANCE OF WORK SAFETY AND OTHER RELEVANT DOCUMENTATION AND ENSURE THAT ALL SUB-CONTRACTORS COMPLY. <p>THE CONTRACTOR SHOULD CONSULT WITH THE PRINCIPAL'S ENGINEER IF THERE IS ANY POTENTIAL PERCEIVED RISK. THE CONTRACTOR SHALL BE ALERT AND PROACTIVE TO:</p> <ol style="list-style-type: none"> IDENTIFY HAZARDS. APPLY MEASURES TO ELIMINATE OR MINIMISE RISKS ASSOCIATED WITH SUCH HAZARDS. <p>SS3. THE CONTRACTOR SHALL ENSURE:</p> <ol style="list-style-type: none"> SO FAR AS IS REASONABLY PRACTICABLE THAT THE CONSTRUCTION PHASE IS WITHOUT RISK TO THE HEALTH AND SAFETY OF PERSONS WHO ARE ENGAGED TO WORK ON THIS SITE OR ANY PERSON WHO MAY ENTER THIS SITE. ALL TRADES SHALL CONSIDER, DOCUMENT AND EMPLOY APPROPRIATE WORKSAFE PROCEDURES FOR ALL REQUIRED ACTIVITIES. <p>SPECIFIC ATTENTION SHALL BE GIVEN TO BUT NOT LIMITED TO ACTIVITIES INVOLVING:</p> <ol style="list-style-type: none"> SITE ESTABLISHMENT. DEMOLITION, RECYCLING AND REMOVAL. DEMOLITION WORKS WHERE SERVICES ARE EXPOSED. TEMPORARY WORKS. EXCAVATION AND TRENCHING UNSTABLE GROUND. GAS SERVICES. HAZARDOUS AND TOXIC WASTE. JACK HAMMERING NOISE AND DUST PROTECTION. WELDING-EYE PROTECTION. CONTAMINATED SOILS. CONSTRUCTION PROCESSES. CONFINED SPACES. TRIPS AND FALLS (GENERAL) UNSTABLE FOOTING. HIGH RISK WORK. ELECTRICAL-HIGH VOLTAGE CABLES. ASBESTOS OR ANY FIBROUS MATERIAL. WORKING AT HEIGHTS. MAINTENANCE AND REPAIR. REFURBISHMENT, RENOVATION AND EXTENSION. USE AS A WORK PLACE. WORKING NEXT TO LIVE TRAFFIC. <p>SS4. COMPLIANCE MANDATORY.</p> <p>THE CONTRACTOR AND ALL SUB-CONTRACTORS SHALL COMPLY WITH ALL APPLICABLE WORK HEALTH AND SAFETY LEGISLATION (ACTS, CODES OF PRACTICE, GUIDANCE NOTES) AND OTHER RELEVANT DOCUMENTATION.</p> <p>SS5. SITE INDUCTION REQUIRED.</p> <p>THE CONTRACTOR SHALL ENSURE THAT ALL PERMANENT AND CONTRACT WORKERS ENGAGED ON THIS SITE ARE FORMALLY INDUCTED AND AWARE OF ALL SITE SPECIFIC SAFETY REQUIREMENTS BEFORE ENTERING THE SITE. A SEPARATE LOG-IN / LOG-OUT REGISTER SHALL BE KEPT AT THE SITE OFFICE FOR ALL CASUAL VISITORS. THE CONTRACTOR SHALL ENSURE THAT ALL PERSONS WHO ENTER THE WORK ZONE ARE WEARING SUITABLE PROTECTIVE CLOTHING AND EQUIPMENT IN ACCORDANCE WITH SAFETY REQUIREMENTS.</p> <p>SS6. PUBLIC SAFETY.</p> <p>A LIVE SITE THAT IS WORKING OR UNATTENDED HAS A STRONG ATTRACTION TO THE PUBLIC IN GENERAL. THE CONTRACTOR IS REQUIRED TO TAKE ALL REASONABLE PRECAUTIONS TO PREVENT UNAUTHORISED PEOPLE ENTERING THE SITE. EXCAVATIONS, STRUCTURES AND ACCESS EQUIPMENT SHALL BE KEPT IN A SECURE MANNER AS IS REASONABLY PRACTICABLE TO PREVENT UNAUTHORISED PEOPLE INCLUDING CHILDREN FROM ENTERING, CLIMBING OR FALLING. THE SITE SHALL HAVE CLEAR WARNING SIGNS IN APPROPRIATE LOCATIONS E.G. "DANGER KEEP OUT" AND SECURELY BARRICADED AND WHEN UNATTENDED LEFT IN A LOCKED CONDITION AS IS REASONABLY PRACTICABLE.</p> <p>SS7. CURRENT LEGISLATION.</p> <p>CURRENT LEGISLATION REQUIRES THAT ALL PERSONS ARE TO CONSIDER THEIR ACTIONS OR LACK OF ACTION ON THE HEALTH AND SAFETY OF THEMSELVES AND OTHERS.</p> <p>SS8. RISK ASSESSMENT.</p> <p>THE COMMISSIONED CONTRACTOR AND ALL SUB-CONTRACTORS SHALL CARRY OUT RISK ASSESSMENTS FOR ALL OF THEIR ACTIVITIES AND WHERE NECESSARY INTRODUCE SUITABLE CONTROL MEASURES OR PROVIDE PROTECTIVE CLOTHING/ EQUIPMENT TO MINIMISE THOSE RISKS. THE SUB-CONTRACTOR SHALL PROVIDE COPIES OF THEIR RISK ASSESSMENT TO THE CONTRACTOR FOR APPROVAL.</p> </div> <div style="width: 25%;"> <h3>SITE SAFETY NOTES (CONT.)</h3> <p>SS9. SAFETY PRECAUTIONS.</p> <p>EXCAVATIONS FOR TRENCHES REQUIRED FOR INSTALLATION OF SERVICES SHALL BE IN ACCORDANCE WITH WORK HEALTH AND SAFETY CODE OF PRACTICE - SAFETY PRECAUTIONS IN TRENCHING OPERATIONS' AND ALL OTHER NECESSARY STATUTORY AUTHORITY REGULATIONS AND RECOMMENDATIONS.</p> <p>SS10. PERCEIVED RISKS.</p> <p>THE CONTRACTOR SHOULD CONSULT WITH THE PRINCIPAL'S ENGINEER IF THERE IS ANY PERCEIVED RISK WITH THE DESIGN OR WITH THE CONSTRUCTION OF THE DESIGN. THE CONTRACTOR SHOULD ENGAGE SUITABLY QUALIFIED ENGINEERS TO CERTIFY ALL TEMPORARY STRUCTURAL WORKS.</p> <h3>SAFETY IN DESIGN</h3> <p>SD1. THIS DESIGN IS IN ACCORDANCE WITH THE MODEL WORK HEALTH AND SAFETY (MHS) ACT AND SAFEWORK AUSTRALIA MODEL CODE OF PRACTICE - SAFE DESIGN OF STRUCTURES. THE PROJECT SPECIFIC HAZARDS IDENTIFIED BELOW ARE BASED ON EXPERIENCE ON SIMILAR PROJECTS AND DO NOT NECESSARILY ACCOUNT FOR ALL CONSTRUCTION, OPERATION, MAINTENANCE AND DEMOLITION SAFETY HAZARDS. THE HAZARDS LISTED BELOW ARE LIMITED TO HAZARDS THAT ARE NOT CONSIDERED LIKELY TO BE OBVIOUS TO A COMPETENT CONTRACTOR, ARE UNUSUAL, DIFFICULT TO MANAGE, OR NOT NORMALLY ENCOUNTERED ON PROJECTS OF A SIMILAR NATURE. BASED ON INFORMATION AVAILABLE TO THE DESIGNERS AT THE TIME OF DOCUMENTATION, THE DESIGNERS HAVE ATTEMPTED TO IDENTIFY SAFETY HAZARDS RELATING TO THE CONSTRUCTION, OPERATION, MAINTENANCE AND DEMOLITION PHASES OF THIS PROJECT. INCLUSION (OR NOT) OF ANY HAZARD DOES NOT REDUCE OR LIMIT THE OBLIGATIONS OF THE CONTRACTOR, USER, MAINTAINER OR DEMOLISHER TO UNDERTAKE APPROPRIATE SAFETY MANAGEMENT. THESE NOTES ARE NOT AN ADMISSION OF RESPONSIBILITY BY THE DESIGNERS FOR MANAGEMENT OF ANY SAFETY HAZARDS RELATING TO THIS PROJECT.</p> <p>SD2. DESIGN AND RISK MANAGEMENT.</p> <p>A RISK MANAGEMENT PROCESS HAS BEEN INTEGRATED INTO THE DESIGN PROCESS AS FOLLOWS:</p> <ol style="list-style-type: none"> IDENTIFICATION OF REASONABLY FORESEEABLE HAZARDS ASSOCIATED WITH THE DESIGN OF THE STRUCTURE. ASSESSMENT OF THE RISKS ARISING FROM SUCH HAZARDS - ELIMINATION OR MINIMISATION OF THE RISK BY DESIGNING CONTROL MEASURES. - REVIEW OF THE CONTROL MEASURES. IDENTIFICATION OF ANY RESIDUAL HAZARDS TO BE PASSED ONTO THE CONTRACTOR WITHIN THE DESIGN DOCUMENTATION OR SEPARATE SAFETY IN DESIGN DOCUMENTATION. THE CLIENT AND CONTRACTOR SHOULD ENSURE THAT ALL PROFESSIONAL DESIGN SERVICES ENGAGED FOR THIS CONTRACT SHALL COMPLY WITH THE SAFE WORK AUSTRALIA WORK HEALTH AND SAFETY ACT AND CODE OF PRACTICE. <p>SD3. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH TNSW QA SPECIFICATIONS. THIS DOCUMENT LISTS SOME DESIGN RELATED WORK HEALTH AND SAFETY HAZARDS ASSOCIATED WITH THE PROJECT DESIGN, CONSTRUCTION AND OPERATION. THERE MAY BE OTHER HAZARDS AND RISKS NOT STATED IN THIS DOCUMENT. THIS DOCUMENT DOES NOT RELIEVE THE CONTRACTOR OF ITS OBLIGATIONS UNDER THE CONTRACT AND RELEVANT LEGISLATION.</p> <p>SD4. HIGH RISK CONSTRUCTION.</p> <p>THE CONTRACTOR SHALL IDENTIFY AREAS OF CONSTRUCTION THAT MAY BE CONSIDERED HIGH RISK, AND IMPLEMENT SUFFICIENT SAFETY PROCEDURES FOR THESE TASKS. EXAMPLES OF HIGH RISK CONSTRUCTION INCLUDE, BUT ARE NOT LIMITED TO:</p> <p>WORK THAT INVOLVES:</p> <ol style="list-style-type: none"> ASBESTOS A RISK OF FALLING MORE THAN TWO (2) METRES OR IS CARRIED OUT ON A TELECOMMUNICATIONS TOWER BUILDING OR DEMOLITION WORK INVOLVING TILT-UP OR PRECAST CONCRETE, STRUCTURAL ALTERATIONS, OR REPAIRS TO A STRUCTURE THAT REQUIRES TEMPORARY SUPPORT TO PREVENT COLLAPSE THE DEMOLITION OF A LOAD BEARING PART OF A STRUCTURE OR THE DEMOLITION OF ANY PART OF A STRUCTURE THAT IS LIKELY TO AFFECT ITS PHYSICAL INTEGRITY. WORKING IN AREAS OF HIGH VOLTAGE ELECTRICAL CABLES. WORK CARRIED OUT IN, ON OR NEAR ANY: CONFINED SPACE SHAFT OR TRENCH WITH AN EXCAVATED DEPTH OF GREATER THAN 1.5m OR A TUNNEL PRESSURISED GAS DISTRIBUTION MAINS OR PIPING. CHEMICAL, FUEL OR REFRIGERANT LINES. AREAS WHERE THERE ARE ARTIFICIAL EXTREMES OF TEMPERATURE AREAS THAT MAY HAVE A CONTAMINATED OR FLAMMABLE ATMOSPHERE ROAD, RAILWAY, OR OTHER TRAFFIC CORRIDOR THAT IS IN USE BY TRAFFIC OTHER THAN PEDESTRIANS AREA AT A WORKPLACE IN WHICH THERE IS MOVEMENT OF POWERED MOBILE PLANT WATER OR OTHER LIQUID THAT INVOLVES A RISK OF DROWNING ADJACENT TO DEEP EXCAVATIONS ADJACENT TO HIGH RETAINING STRUCTURES </div> <div style="width: 25%;"> <h3>SAFETY IN DESIGN NOTES (CONT.)</h3> <p>SD5. <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> CAUTION THIS DRAWING IS BASED ON SURVEY THAT IS INCOMPLETE AND NOT VERIFIED. THE EXISTING SURFACE MAY VARY FROM THAT INDICATED AND SOME FEATURES MAY NOT BE SHOWN. </div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> WARNING BEWARE OF UNDERGROUND/OVERHEAD SERVICES THE LOCATIONS OF UNDERGROUND/OVERHEAD SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. </div> <div style="text-align: center;">  </div> <p>SD6. BUILDING OPERATION AND MAINTENANCE.</p> <p>MUST BE CARRIED OUT IN ACCORDANCE WITH THE DESIGN INTENT OF THE BUILDING CODE OF AUSTRALIA AS APPLIES STATE BY STATE.</p> <p>OPERATION, CLEANING AND MAINTENANCE OF THE BUILDING MAY REQUIRE BUT NOT LIMITED TO ITEMS INVOLVING:</p> <ol style="list-style-type: none"> ACCESS USING WORK PLATFORMS, STEPS, FALL ARREST SYSTEMS AND LADDERS. WORKING AT HEIGHT. INCLUSION OF BMU IN ROOF LAYOUT. USE OF HAZARDOUS MATERIALS OR CHEMICALS. LIFTING OF MATERIALS. ACCESS AND WORKING IN CONFINED SPACES. SUFFICIENT WORK SPACE. OPERATION AND MAINTENANCE MANUALS. USE OF HEAVY EQUIPMENT. WORKING ON SMOOTH / SLIPPERY SURFACES. WORKING ADJACENT TO VEHICULAR / FORKLIFT TRAFFIC. WORKING NEAR TRAFFIC OR MOVING FREIGHT CARRIERS. <p>SD7. DESIGN OUT RISK.</p> <p>METHODS USED TO DESIGN OUT OCCUPATIONAL RISKS RELATED TO THE CONSTRUCTION, OCCUPATION OR DEMOLITION OF THIS STRUCTURE INCLUDE:</p> <ol style="list-style-type: none"> OFF-SITE PREFABRICATION OF CONSTRUCTION ELEMENTS. USE OF BOLTED STEEL SITE CONNECTIONS TO AVOID ON-SITE WELDING. <p>SD8. DECONSTRUCTION.</p> <p>AT THE END OF THE LIFE OF THIS STRUCTURE, ENGAGE SUITABLY QUALIFIED DEMOLITION ENGINEERS TO ASSIST WITH ITS DECONSTRUCTION.</p> <p>SD9. POST-CONSTRUCTION REVIEW.</p> <p>THE CONTRACTOR AND CLIENT SHALL PROVIDE FEEDBACK TO THE DESIGNERS AS FOLLOWS:</p> <ol style="list-style-type: none"> POST-OCCUPANCY EVALUATIONS DEFECT REPORTS ACCIDENT INVESTIGATION REPORTS INFORMATION REGARDING MODIFICATIONS USER DIFFICULTIES DEVIATIONS FROM INTENDED CONDITIONS OF USE </p></div> <div style="width: 25%;"> <h3>PROHIBITED MATERIALS AND MATERIALS TO BE AVOIDED NOTES</h3> <p>PM1. PROHIBITED MATERIALS VOC'S IN HIGH CONCENTRATION IN:</p> <ol style="list-style-type: none"> PAINTS ADHESIVES AND SEALANTS FORMALDEHYDES (EXCEEDING E1 OF EN 13986, 2001) IN COMPOSITE/ENGINEERED WOOD PRODUCTS. HIGH CONSERVATION VALUE TIMBER. - IS FOUND IN FORESTS WITH SPECIALLY HIGH ECOLOGICAL OR SOCIAL VALUE. THE TERM AROSE IN CONNECTION WITH THE DEVELOPMENT OF STANDARDS FOR THE CERTIFICATION OF FOREST MANAGEMENT BY THE FOREST STEWARDSHIP COUNCIL (FSC). TIMBER TREATED WITH ENVIRONMENTALLY DAMAGING CHEMICALS, SUCH AS COPPER, CHROMIUM AND ARSENIC (CCA) TREATMENT WHERE VOLUNTARY RESTRICTIONS ON SALE AND USE APPLY. HFC'S - ARE OZONE DEPLETING SUBSTANCES FOUND IN REFRIGERANTS AND AEROSOL PROPELLANTS. <p>ALREADY BANNED MATERIALS:</p> <ol style="list-style-type: none"> ASBESTOS PCBS (POLYCHLORINATED BIPHENYLS), AMONG THEIR APPLICATIONS ARE USED ON ELECTRIC UTILITY LINES, IN AIR CONDITIONERS, AND IN THE BALLAST OF FLUORESCENT LAMP FIXTURES. HEAVY METALS (LEAD, MERCURY, CADMIUM, CHROMIUM, COBALT, ANTIMONY) POLYCHLORINATED TRIPHENYLS (PCTS), SIMILAR TO PCBS CARBON TETRACHLORIDE (TCT), ARE OZONE DEPLETING SUBSTANCES FOUND IN REFRIGERANTS, AEROSOL PROPELLANTS, FIRE EXTINGUISHERS AND CLEANING FLUIDS. ORGANOTIN COMPOUNDS - FOUND IN PVC HEAT STABILIZERS, BIOCIDES, CATALYSTS, AGROCHEMICALS AND GLASS COATINGS. LINDANE/HEXACHLOROCYCLOHEXANE (HCH) - WAS FOUND IN INSECTICIDES. TITANIUM DIOXIDE MANUFACTURING WASTES - WASTE FROM MANUFACTURE OF PAINTS, VARNISHES, PLASTICS AND SUNSCREEN. *SPECIAL USAGE CASES ACCEPTED WHERE NO OTHER ALTERNATIVE IS AVAILABLE. <p>PM2. MATERIALS TO BE AVOIDED</p> <ol style="list-style-type: none"> POLYCHLOROPRENE (OR CHLOROPRENE RUBBER, NEOPRENE) IN GEO-MEMBRANES, WEATHER STRIPPING, EXPANSION JOINT FILLER, WATER SEALERS AND OTHER GASKET AND ADHESIVES. CHLORINATED POLYETHYLENE AND CHLORO-SULFINATED POLYETHYLENE IN GEO-MEMBRANES, WIRE AND CABLE JACKETING, ROOF MEMBRANES AND ELECTRICAL CONNECTORS. HFC WITH HIGH GWP IN HVAC REFRIGERANTS. VIRGIN AGGREGATES PORTLAND CEMENT <p>CONTAMINATION</p> <p>CT1. CONTAMINATION AREA</p> <div style="text-align: center;">  </div> <p>WHENEVER POSSIBLE, RISK IS DESIGNED OUT OF THE PROPOSAL DURING THE DESIGN PROCESS. WHERE THIS IS NOT POSSIBLE, THE RISK WILL BE MINIMIZED, AND HIGHLIGHTED IN THE WORK AND MATERIALS SPECIFICATION</p> </div> </div>											

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8	CRITICAL DESIGN REVIEW - STAGE 3	ESH / 18.10.24	BK / 18.10.24	SH / 18.10.24	
9	PRELIMINARY DESIGN REVIEW - STAGE 2	JK / 28.06.24	BK / 28.06.24	SH / 28.06.24	
A	DESCRIPTION	DESIGNER	DESIGN DATE	VERIFIED	APPROVED
				DESIGN DATE	DESIGN DATE




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drawn - JML DOWLING - 20/06/2025

DESIGNED - ELLEN SAPIRO - 20/06/2025

DRG CHECK - TONY JUNG - 20/06/2025

DESIGN CHECK - AMY CHEN - 20/06/2025

APPROVED - SOUTH HENDERSON - 20/06/2025

ALURECON

CML

SYDNEY METRO CITY & SOUTHWEST

BANKSTOWN LINE - 5.90km TO 18.60km

D&O OF ERRANT AND HVM TREATMENTS

PKG921 ILLAWARRA ROAD OVERBRIDGE

GENERAL NOTES

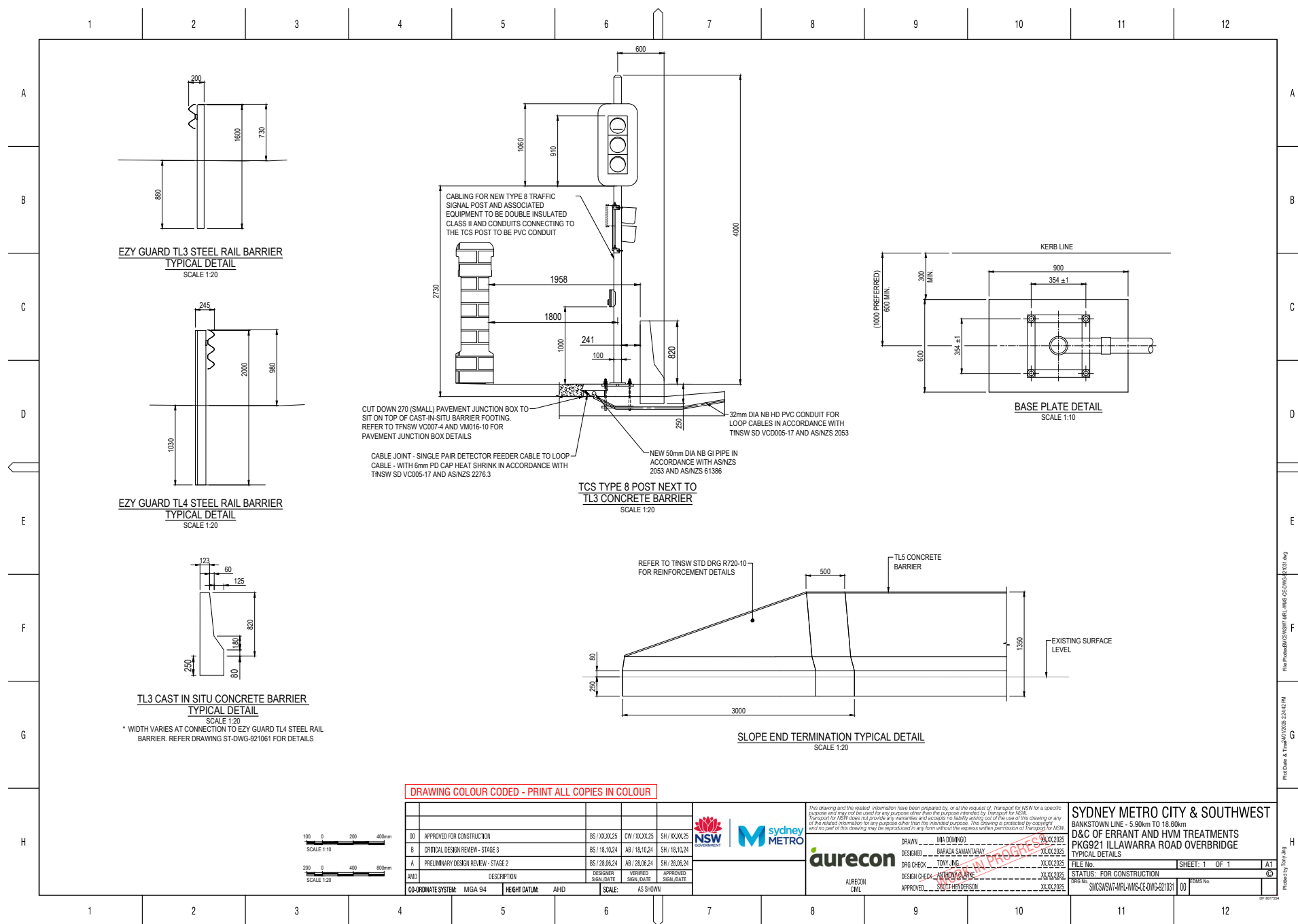
FILE NO. _____ SHEET: 9 OF 9

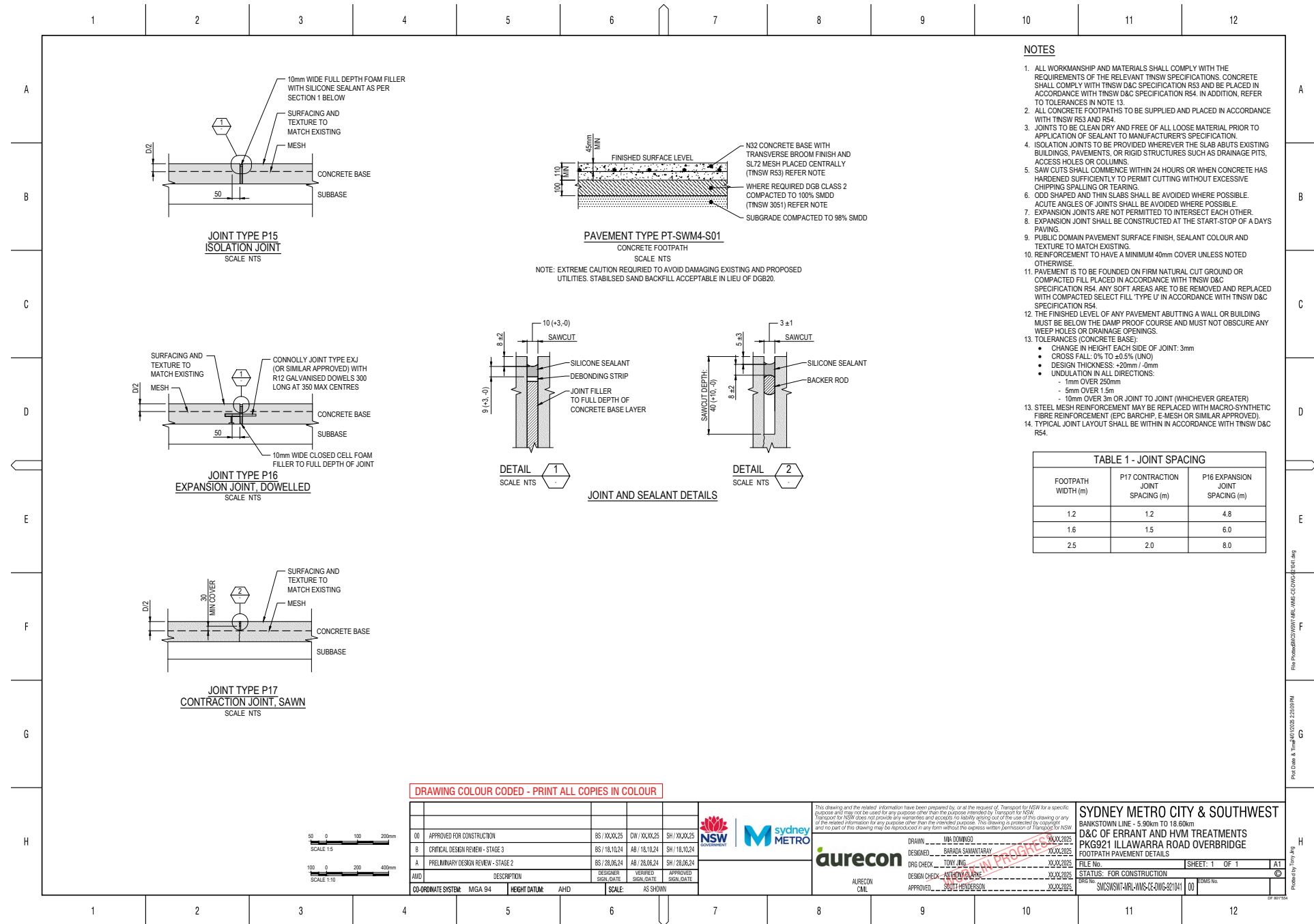
STATUS: FOR CONSTRUCTION

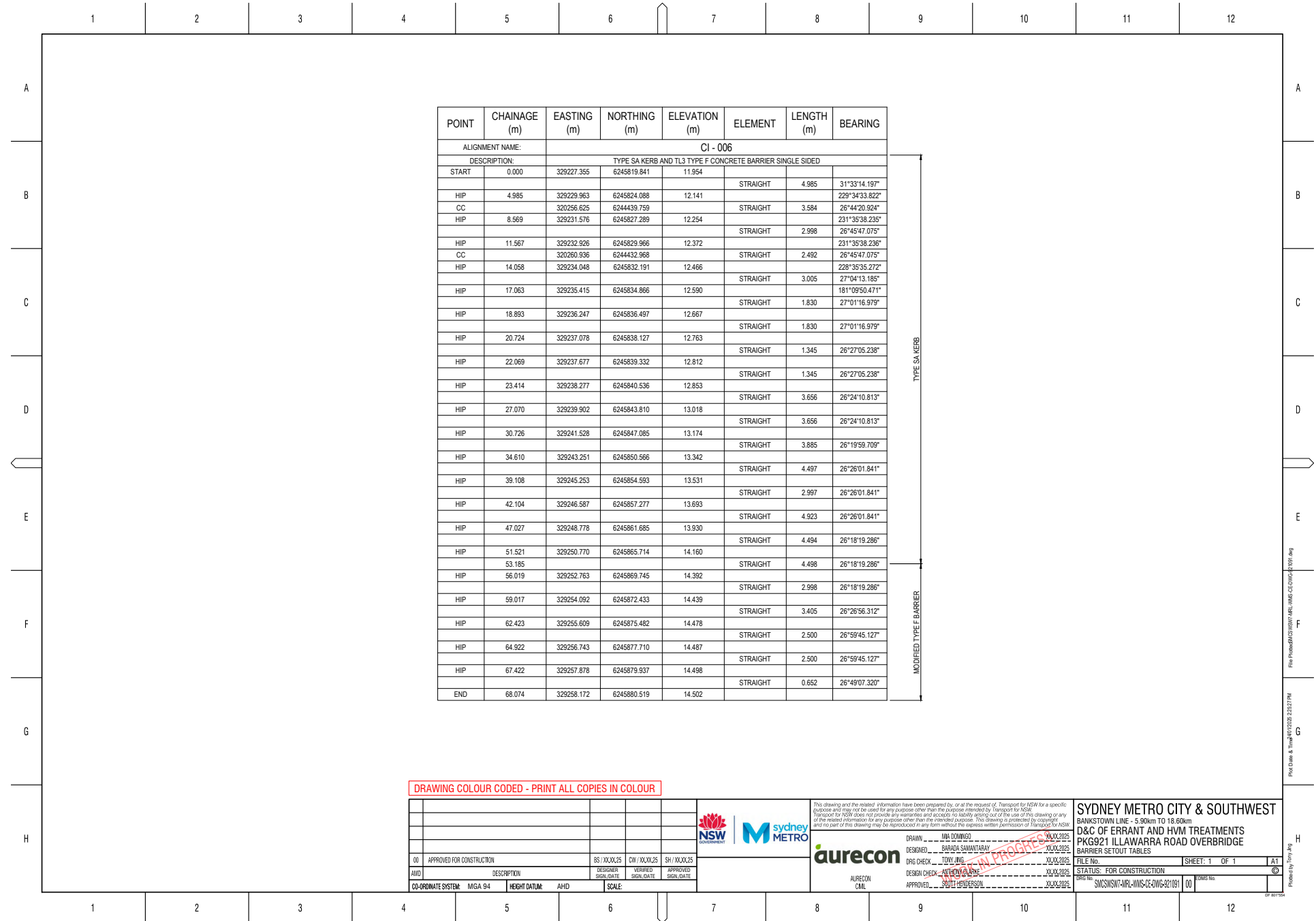
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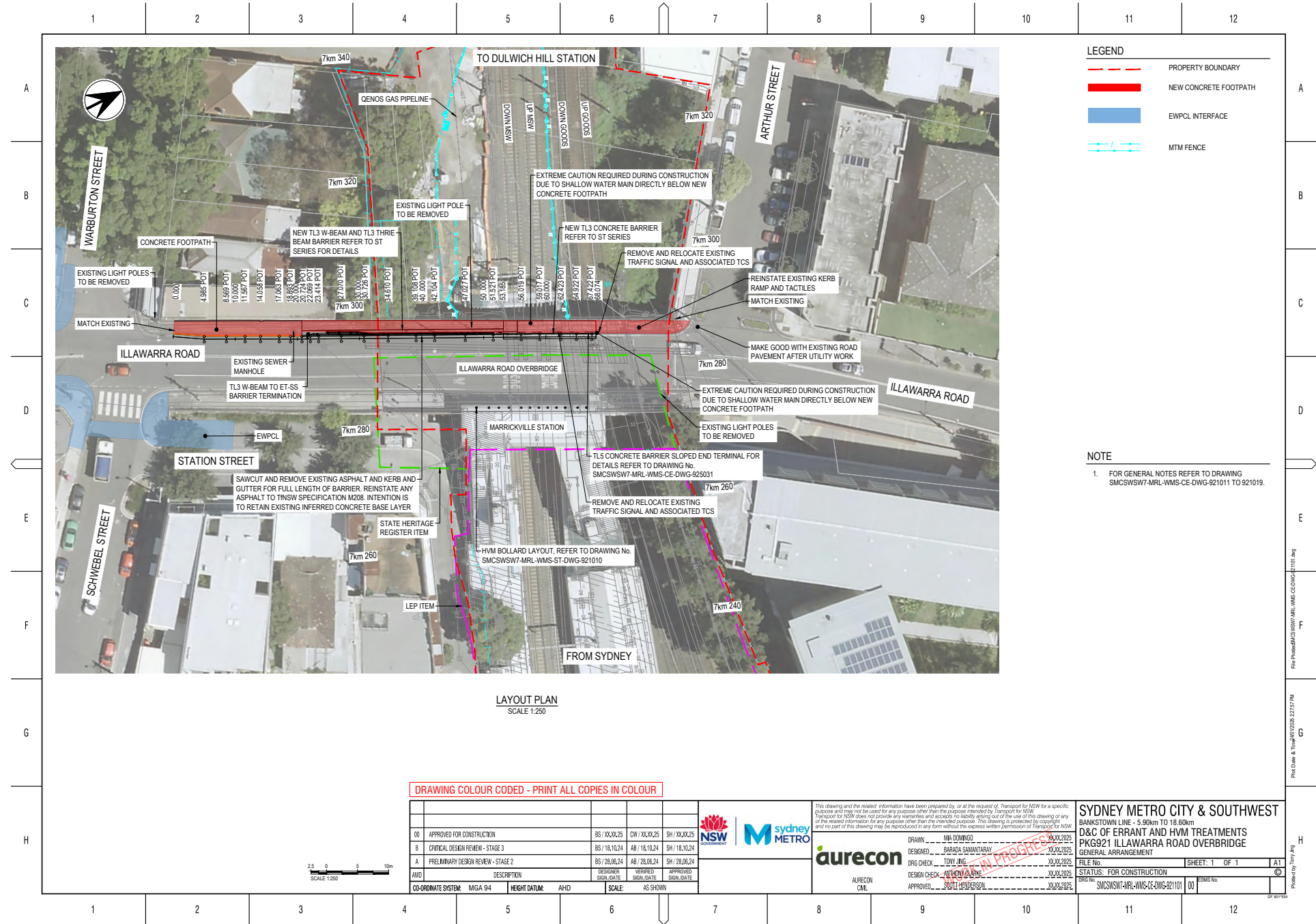
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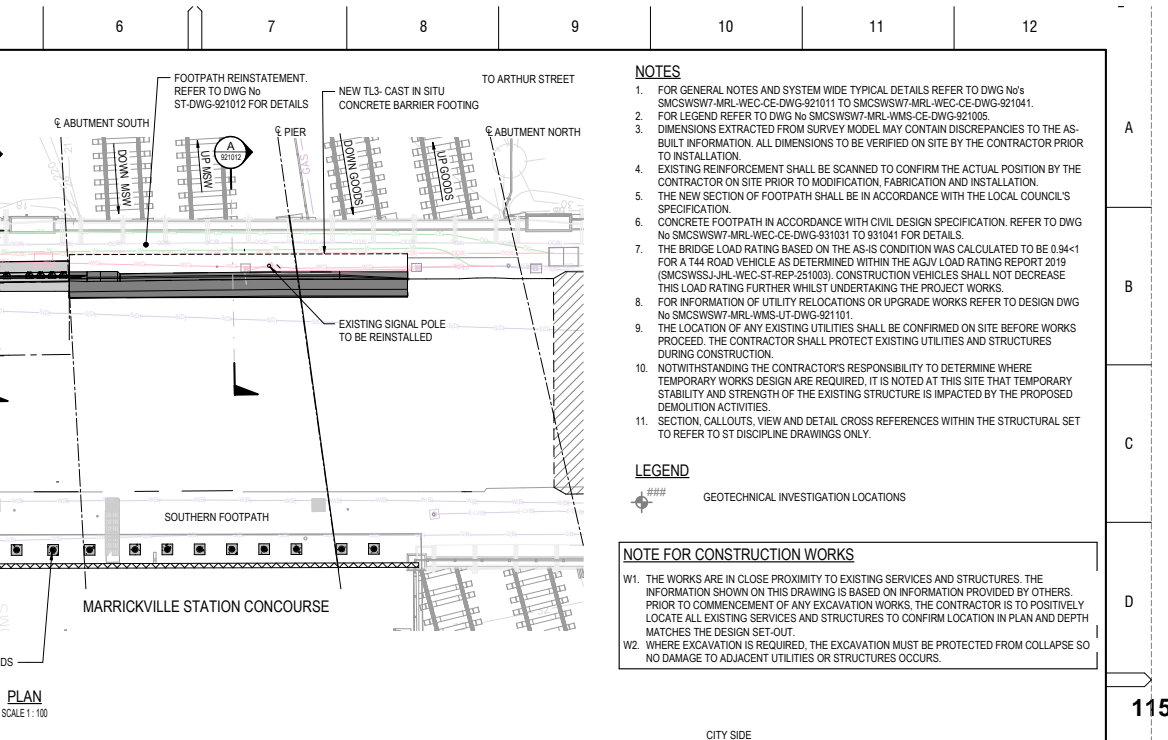
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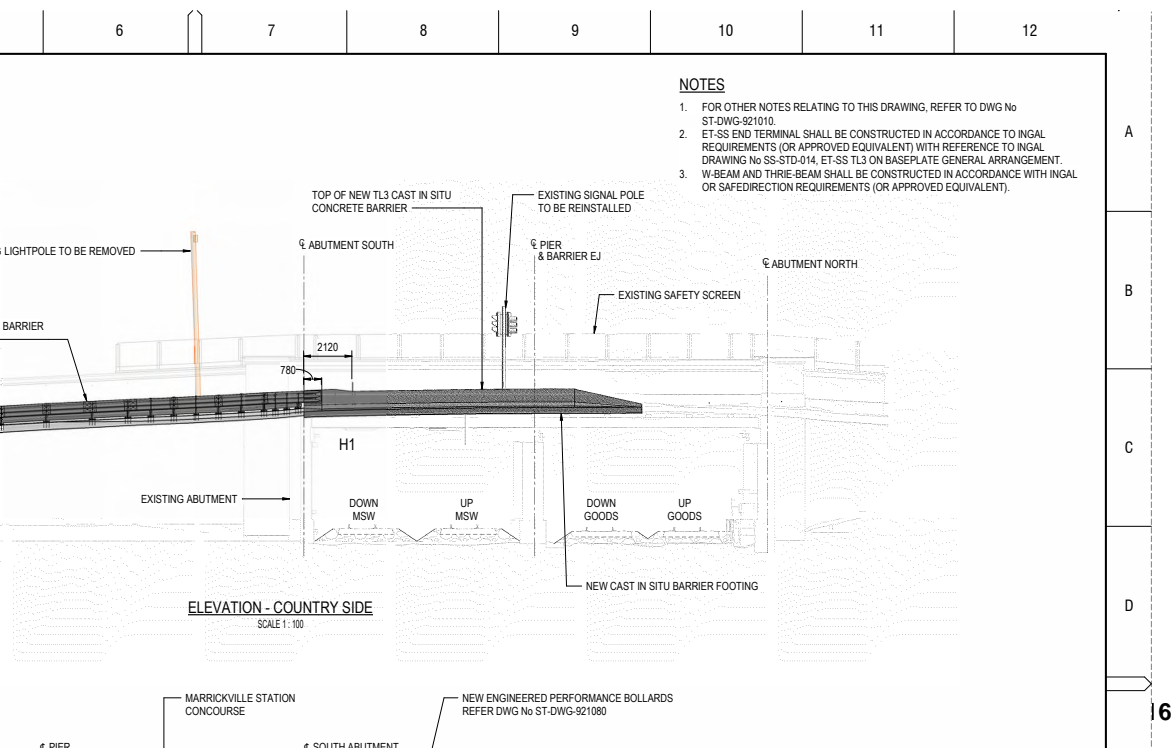


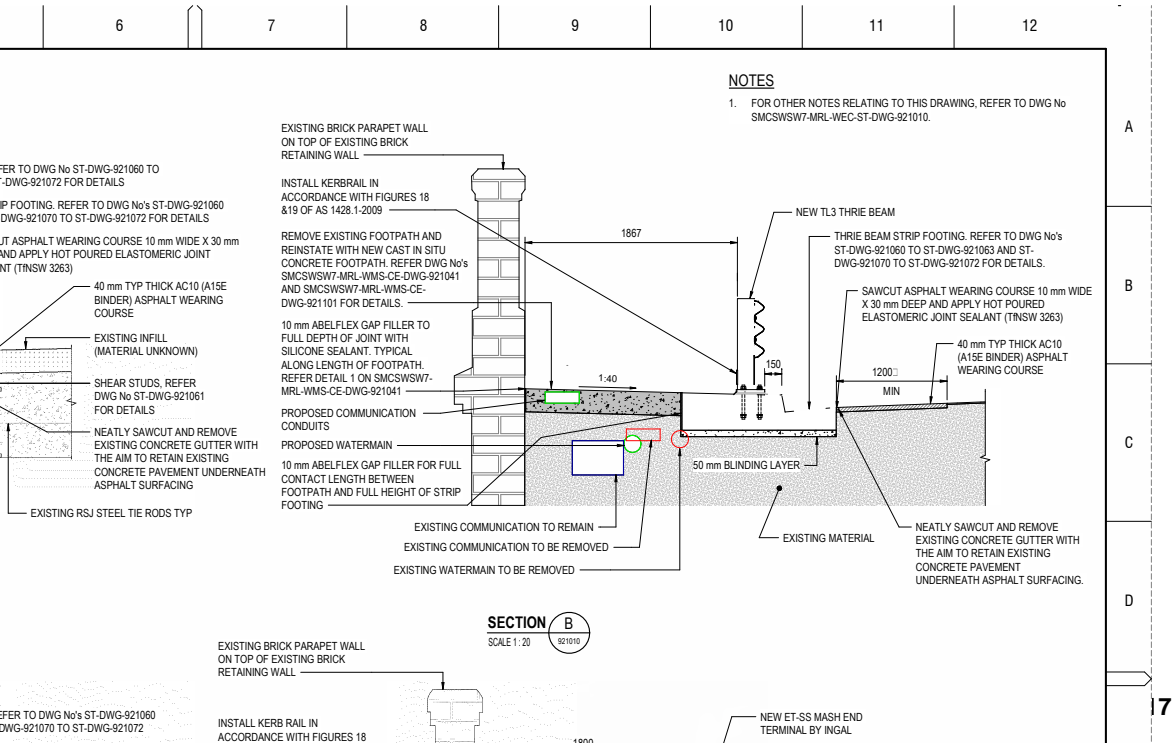


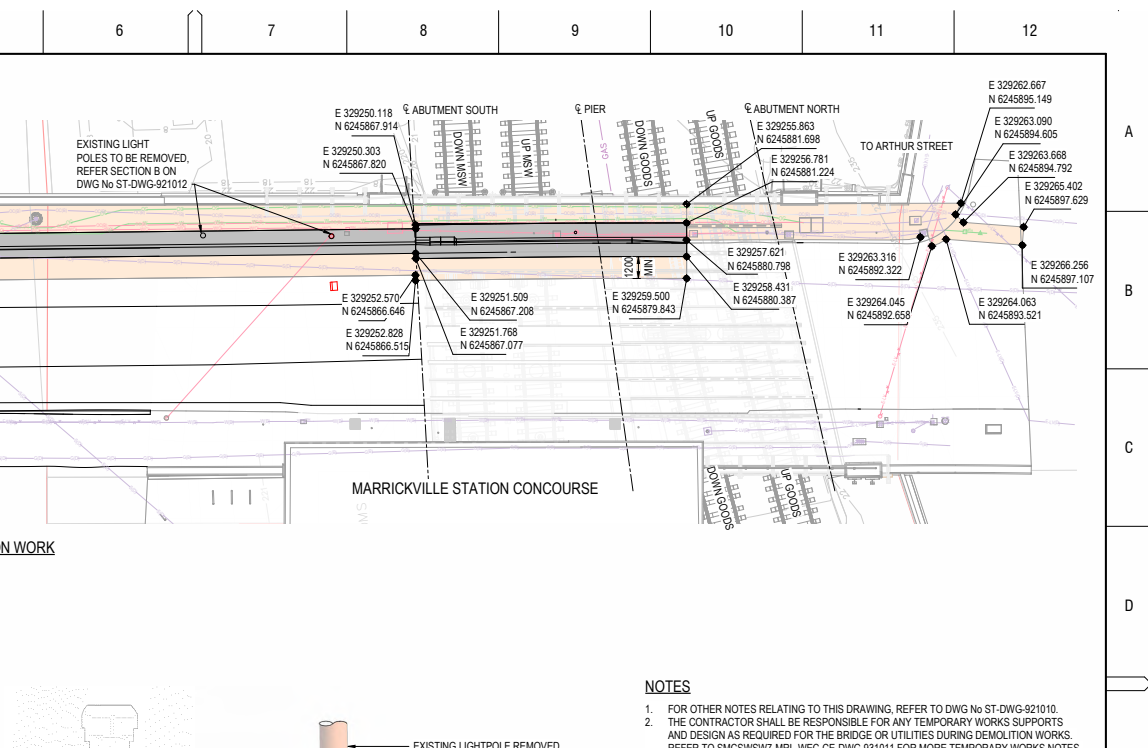


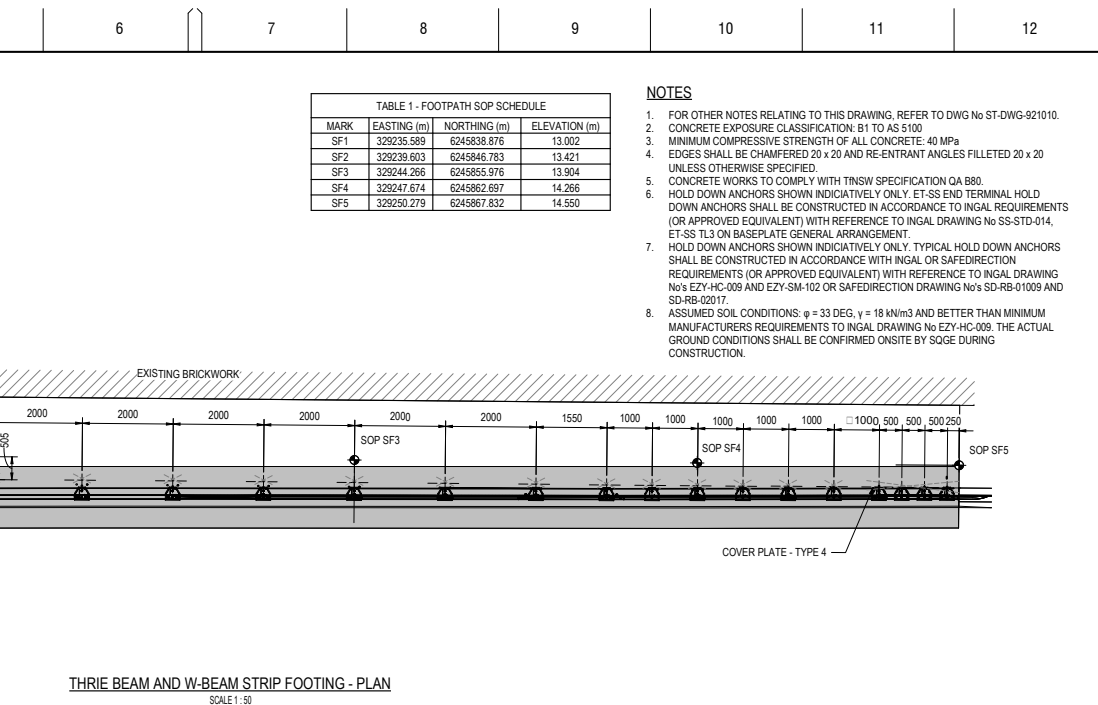




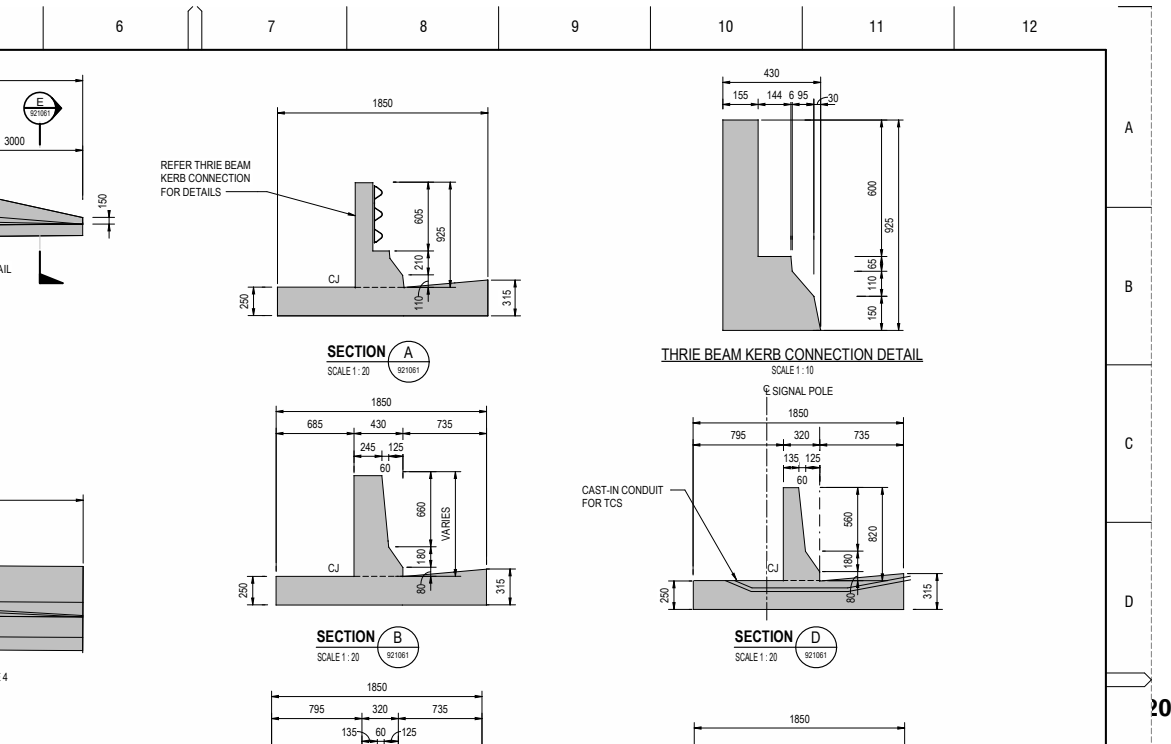


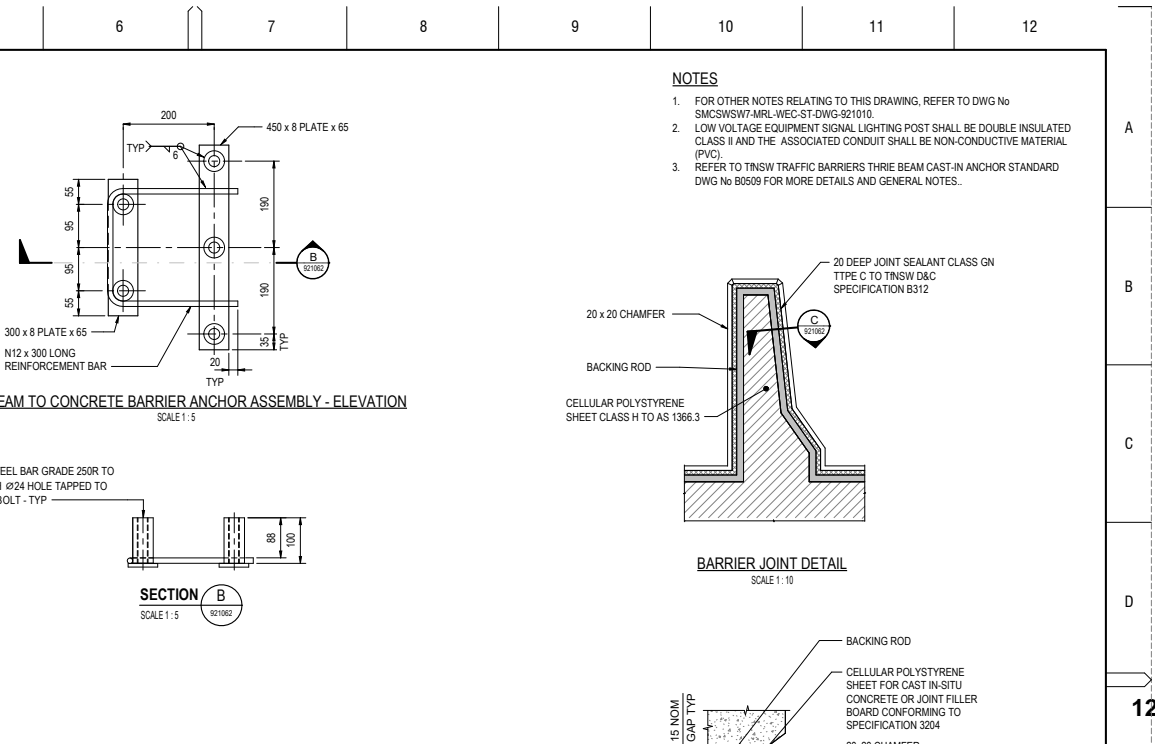


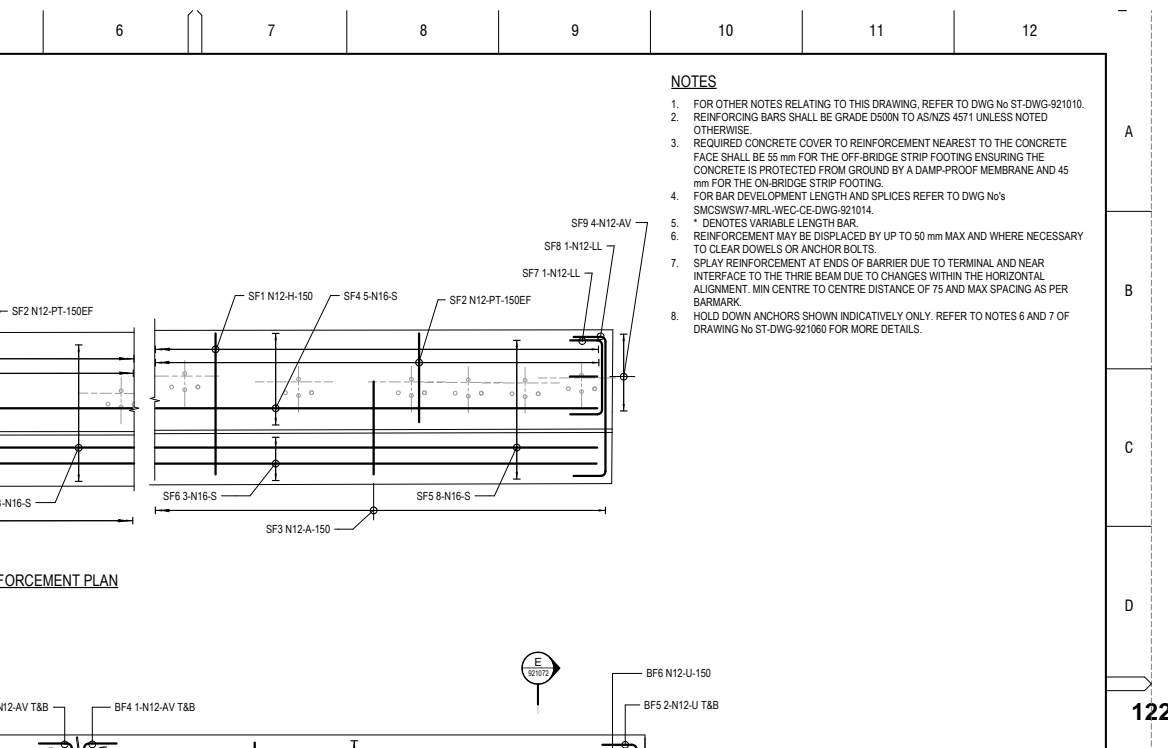


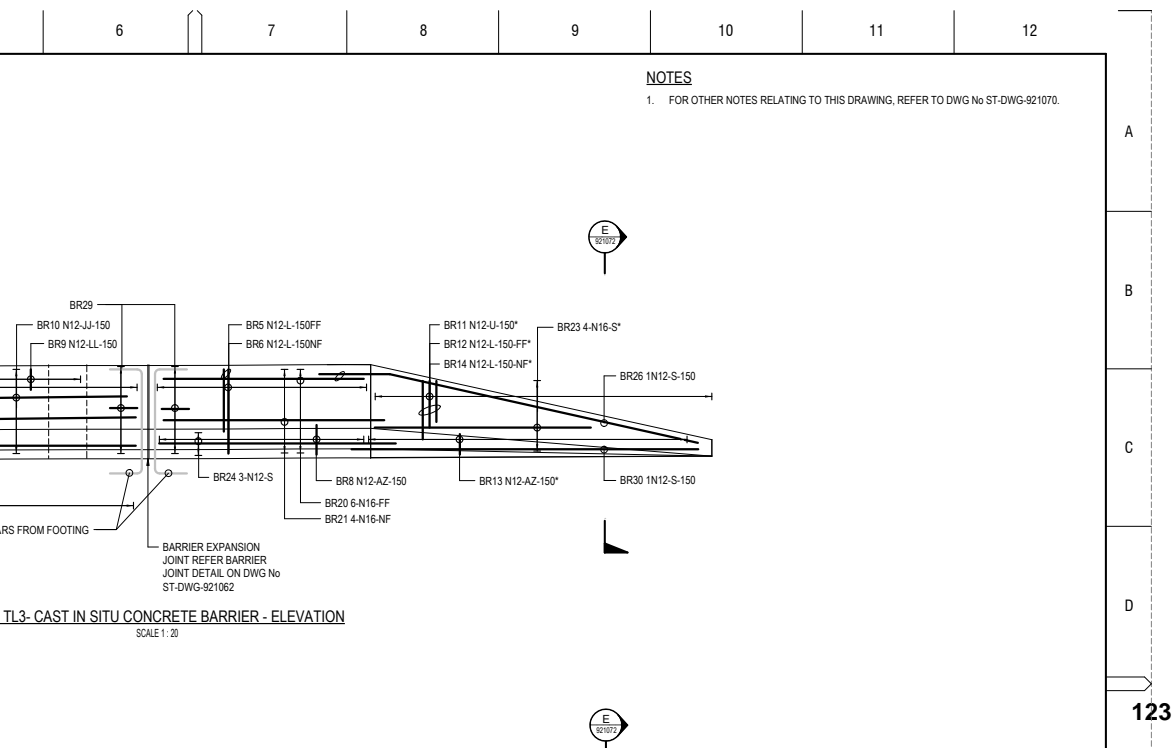


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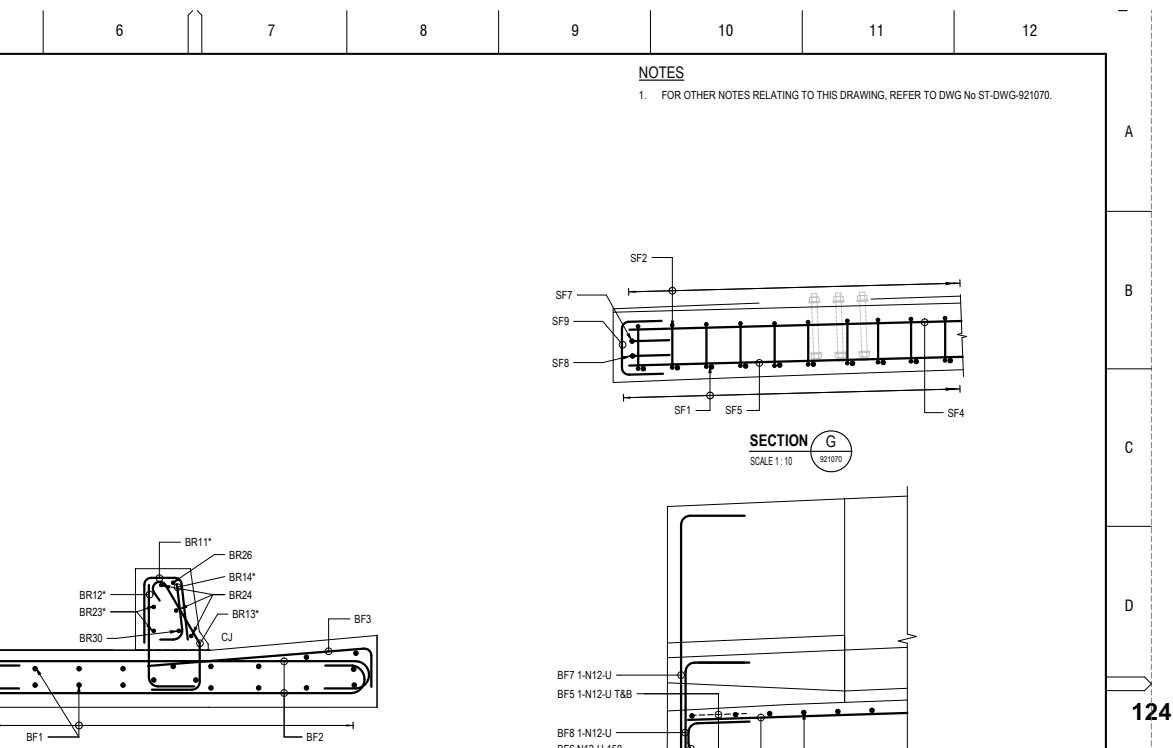
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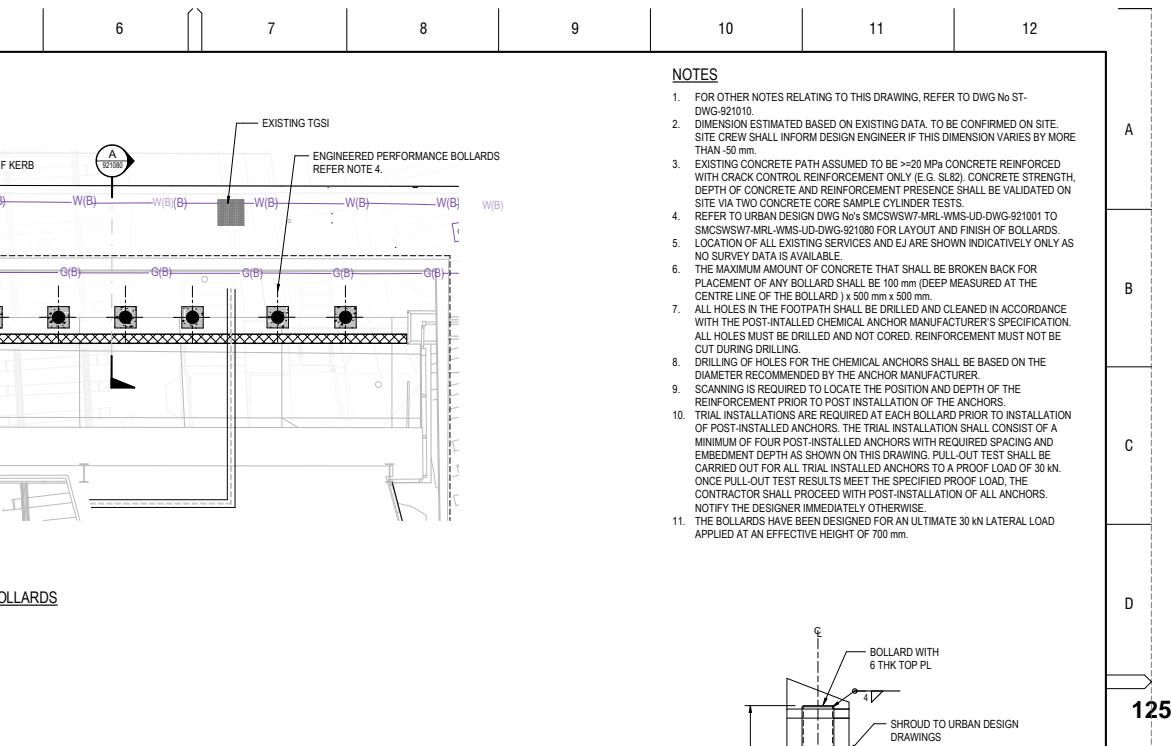
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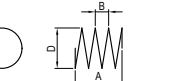
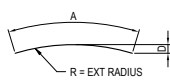
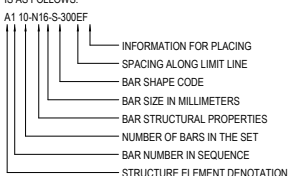
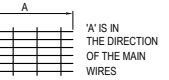
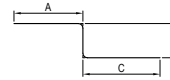
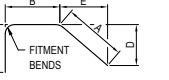
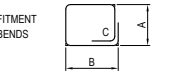
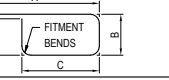
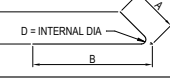
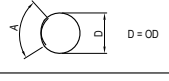
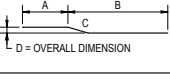
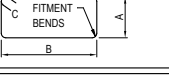

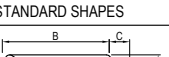
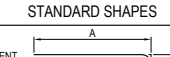
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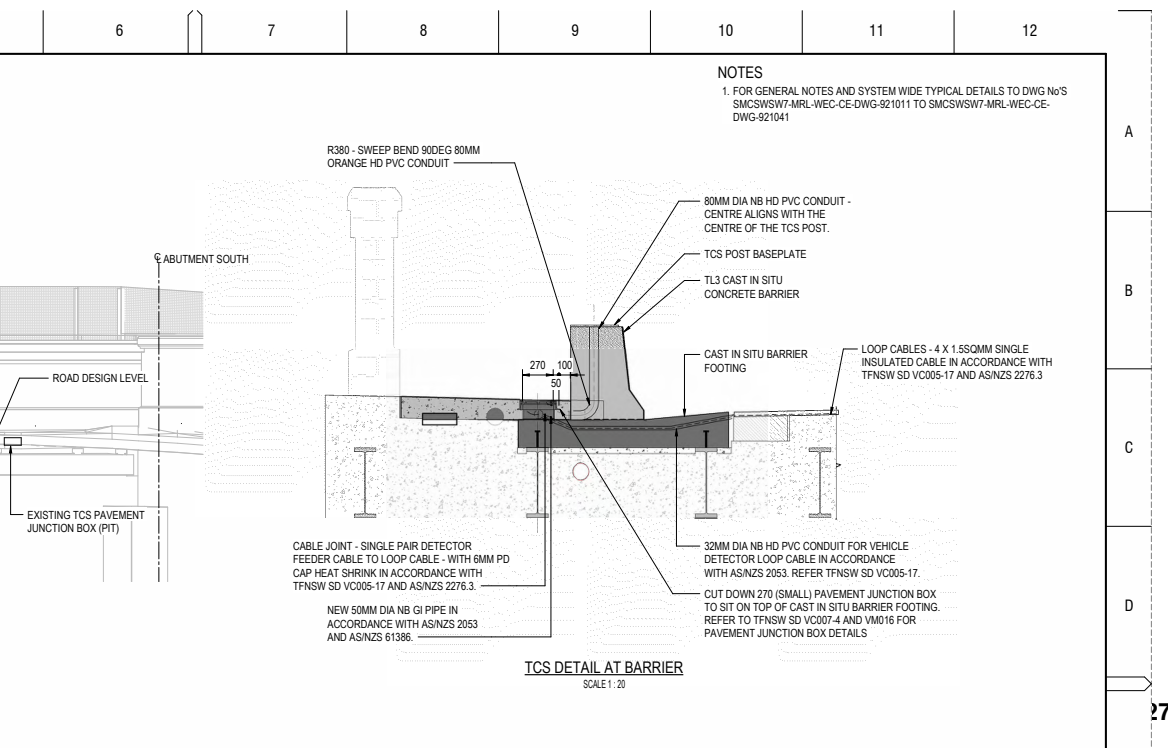
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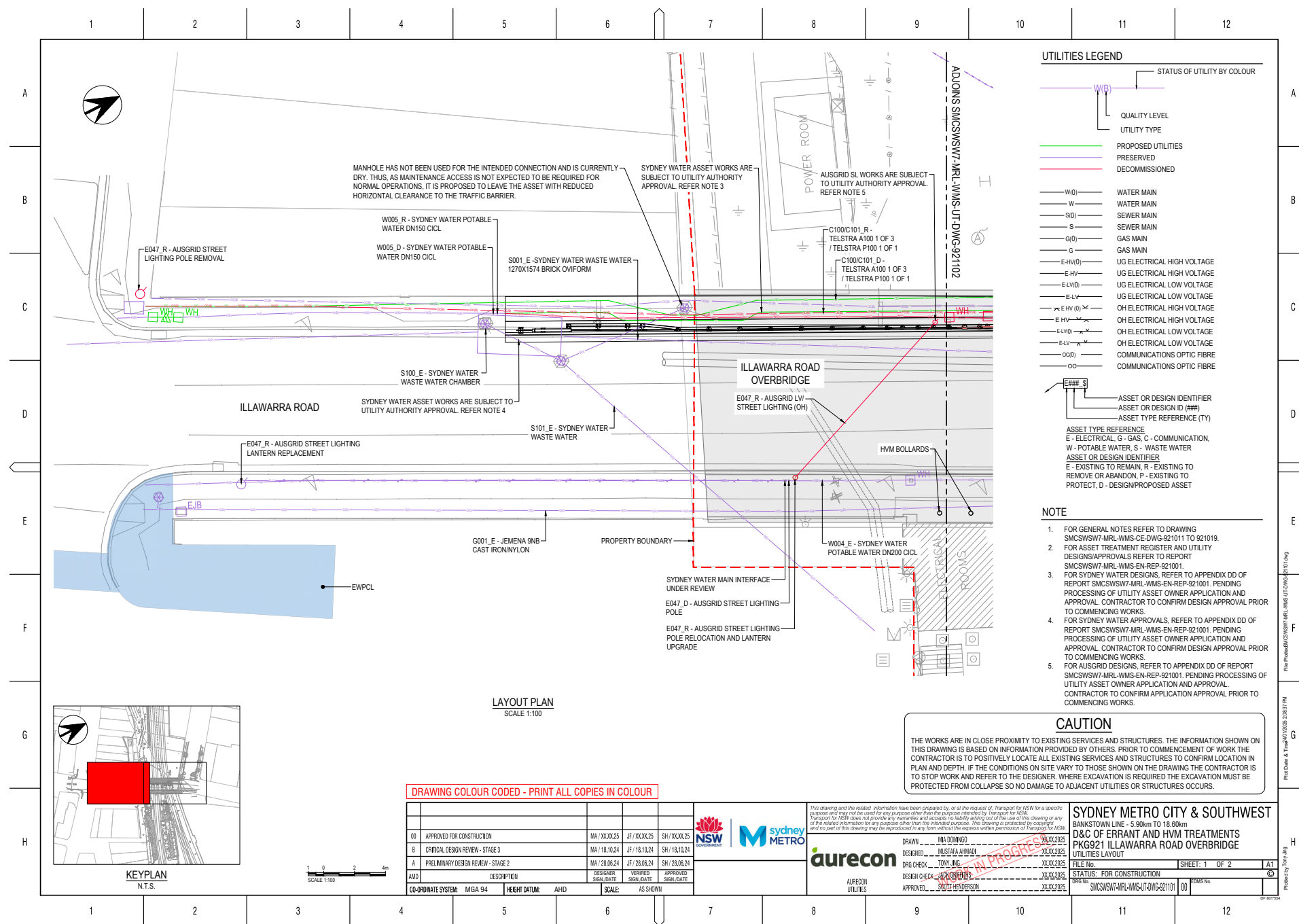
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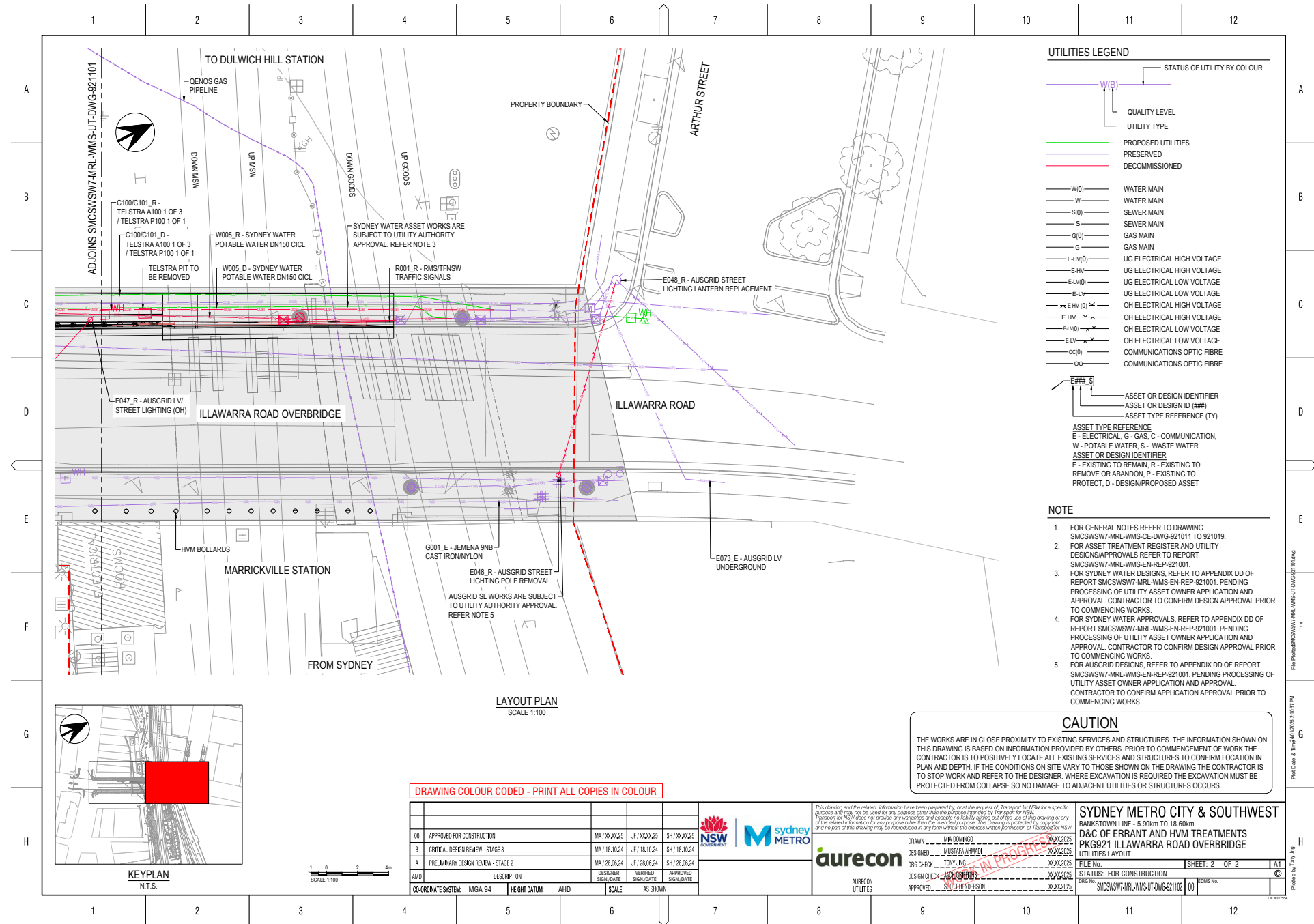




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<p>STRALIAN STANDARD SHAPE</p> 	<p>SHAPE CODE</p> <p>R</p>	<p>AUSTRALIAN STANDARD SHAPE</p> 	<p>BAR MARKING LEGEND</p> <p>THE METHOD USED TO LABEL REINFORCEMENT ON THE DRAWINGS IS AS FOLLOWS:</p> <p>A1 10-N16-S-300EF</p>  <p>WHERE THE BAR SPACING IS APPROXIMATE ONLY, THE FOLLOWING FORMAT SHALL BE USED: A1 10-N16-S-300EF APPROX</p> <p>STRUCTURE ELEMENT DENOTATIONS COMMONLY USED ARE:</p> <p>SF FOR THRIE BEAM STRIP FOOTING BF FOR CAST IN SITU CONCRETE BARRIER FOOTING BR FOR CAST IN SITU CONCRETE BARRIER</p> <p>INFORMATION FOR PLACING:</p> <p>NF FOR NEAR FACE FF FOR FAR FACE EF FOR EACH FACE * FOR VARIABLE LENGTH BAR NSOP FOR NOT SHOWN ON PLAN FOR CLARITY</p> <p>REINFORCEMENT NOTES</p> <p>AUSTRALIAN STANDARD BAR SHAPES ARE IN ACCORDANCE WITH AS 1100.501. BAR SIZE IS THE NOMINAL DIAMETER IN MILLIMETERS, OR THE AS/NZS 4671 FABRIC NUMBER. THE GRADE OF REINFORCEMENT, IF NOT STATED ON THE DRAWINGS, SHALL BE D500N TO AS/NZS 4671. DIMENSIONS SHOWN ON BAR SHAPES DIAGRAMS ARE MEASURED FROM OUTSIDE FACES OF THE BARS AND ARE IN MILLIMETERS. THE INCLUDED ANGLE OF ANY BEND SHALL BE RIGHT ANGLE IF NO DIMENSION SHOWN. BARS OF DIAMETER GREATER THAN 24mm SHALL NOT BE REBENT. BAR BENDING AND HOOK DETAILS SHALL BE IN ACCORDANCE WITH SECTION 5.13 OF AS 5100-BRIDGE DESIGN.</p>			
<p>AND MARITIME SERVICES STANDARD SHAPES</p> 	<p>SHAPE CODE</p> <p>RC</p>	<p>AUSTRALIAN STANDARD SHAPE</p> 				
<p>AND MARITIME SERVICES STANDARD SHAPES</p> 	<p>SHAPE CODE</p> <p>T</p>	<p>AUSTRALIAN STANDARD SHAPE</p> 				
<p>AND MARITIME SERVICES STANDARD SHAPES</p> 	<p>SHAPE CODE</p> <p>A</p>	<p>AUSTRALIAN STANDARD SHAPE</p> 				
<p>AND MARITIME SERVICES STANDARD SHAPES</p> 	<p>SHAPE CODE</p> <p>CC</p>	<p>AUSTRALIAN STANDARD SHAPE</p> 				
<p>AND MARITIME SERVICES STANDARD SHAPES</p> 	<p>SHAPE CODE</p> <p>C</p>	<p>AUSTRALIAN STANDARD SHAPE</p> 				
<p>AND MARITIME SERVICES STANDARD SHAPES</p> 	<p>SHAPE CODE</p> <p>B</p>	<p>AUSTRALIAN STANDARD SHAPE</p> 				









LOCALITY PLAN
N.T.S.

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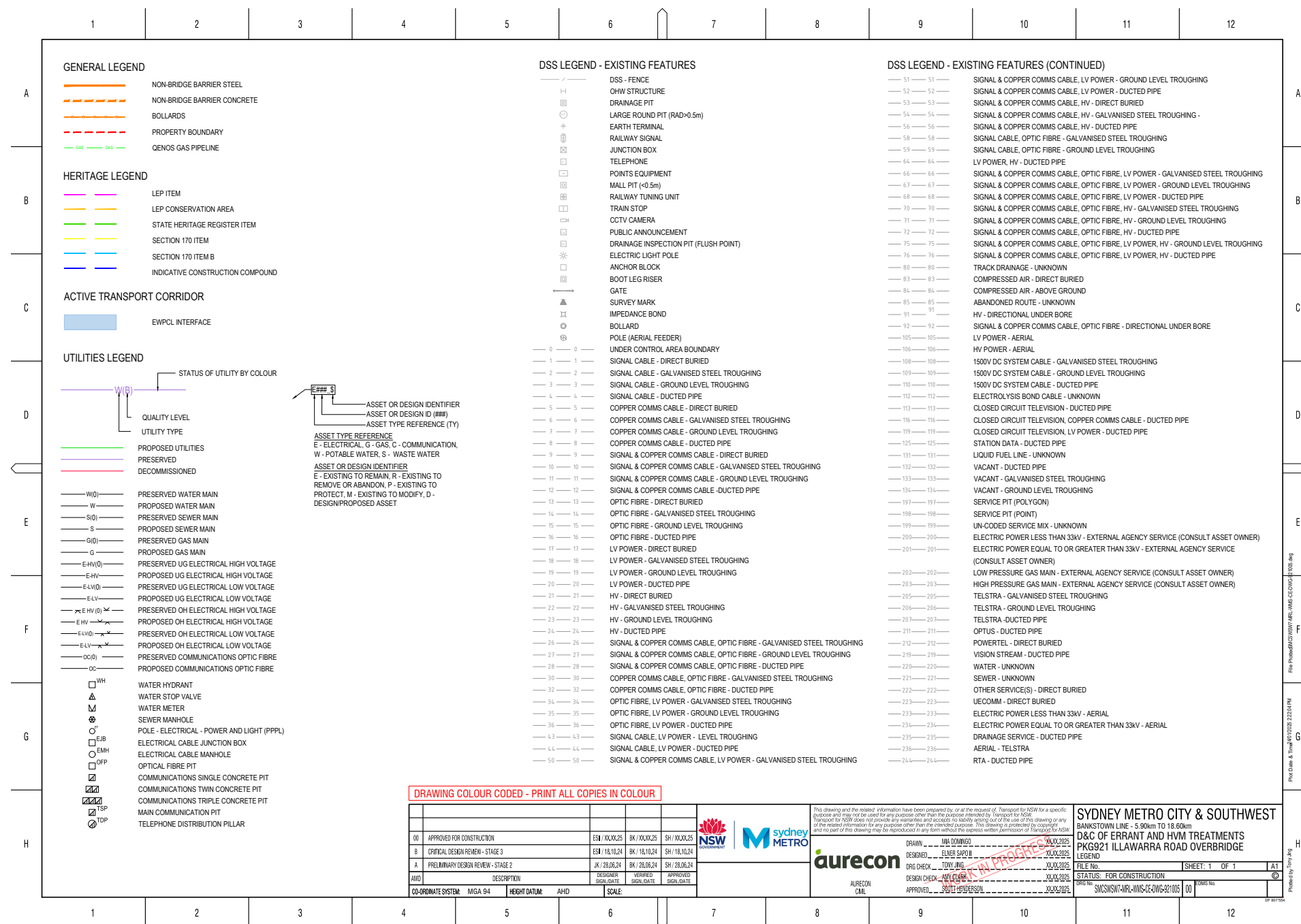
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DRAWN	PHAT NGUYEN	20/01/2022
DESIGNED	ELINOR SPOD II	20/01/2022
DRG CHECK	LUKE EASTMAN	20/01/2022
DESIGN CHECK	AMY CLARK	20/01/2022
APPROVED	SCOTT HENDERSON	20/01/2022

SYDNEY METRO CITY & SOUTHWEST			
BANKSTOWN LINE - 5.90km TO 18.60km			
D&C OF ERRANT AND HVM TREATMENTS			
PKG921 ILLAWARRA ROAD OVERBRIDGE			
COVER SHEET			
FILE No.	SHEET: 1	OF 1	A
STATUS: FOR CONSTRUCTION			
DATE No.	SYDMSWAT-ARL-WAS-CE-DWG-321001	00	EDMS No.

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	SMCSWSW7-MRL-WMS-ST-DWG-921030	DEMOLITION WORK PLAN																																																																																																																				
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	SMCSWSW7-MRL-WMS-ST-DWG-921070 SMCSWSW7-MRL-WMS-ST-DWG-921071 SMCSWSW7-MRL-WMS-ST-DWG-921072	STRIP FOOTING AND TRAFFIC BARRIER REINFORCEMENT - SHEET 1 STRIP FOOTING AND TRAFFIC BARRIER REINFORCEMENT - SHEET 2 STRIP FOOTING AND TRAFFIC BARRIER REINFORCEMENT - SHEET 3																																																																																																																				
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<table><tr><td>00</td><td>APPROVED FOR CONSTRUCTION</td><td>ESM / XX.XX.25</td><td>BK / XX.XX.25</td><td>SH / XX.XX.25</td><td rowspan="3"></td><td rowspan="3"></td><td colspan="5" rowspan="17"><div>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</div><div></div></td></tr><tr><td>B</td><td>CRITICAL DESIGN REVIEW - STAGE 3</td><td>ESM / 18.10.24</td><td>BK / 18.10.24</td><td>SH / 18.10.24</td></tr><tr><td>A</td><td>PRELIMINARY DESIGN REVIEW - STAGE 2</td><td>JK / 28.06.24</td><td>BK / 28.06.24</td><td>SH / 28.06.24</td></tr><tr><td>AMD</td><td>DESCRIPTION</td><td>DESIGNER SIGN DATE</td><td>VERIFIED SIGN DATE</td><td>APPROVED SIGN DATE</td><td colspan="5"></td></tr><tr><td colspan="2">COORDINATE SYSTEM</td><td>IMGA 94</td><td>HEIGHT DATUM</td><td>AHD</td><td>SCALE</td><td colspan="6"></td></tr></table>				00	APPROVED FOR CONSTRUCTION	ESM / XX.XX.25	BK / XX.XX.25	SH / XX.XX.25			<div>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW. Transport for NSW does not provide any warranties and accepts no liability arising out of the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</div> <div></div>					B	CRITICAL DESIGN REVIEW - STAGE 3	ESM / 18.10.24	BK / 18.10.24	SH / 18.10.24	A	PRELIMINARY DESIGN REVIEW - STAGE 2	JK / 28.06.24	BK / 28.06.24	SH / 28.06.24	AMD	DESCRIPTION	DESIGNER SIGN DATE	VERIFIED SIGN DATE	APPROVED SIGN DATE						COORDINATE SYSTEM		IMGA 94	HEIGHT DATUM	AHD	SCALE							<table><tr><td colspan="2">DRAWN</td><td>JML DOWLING</td><td>30.XX.2025</td><td colspan="2"></td></tr><tr><td colspan="2">DESIGNED</td><td>ELMER SAPUJI</td><td>XX.XX.2025</td><td colspan="2"></td></tr><tr><td colspan="2">DRG CHECK</td><td>TORY JING</td><td>XX.XX.2025</td><td colspan="2"></td></tr><tr><td colspan="2">DESIGN CHECK</td><td>AMY CLARK</td><td>XX.XX.2025</td><td colspan="2"></td></tr><tr><td colspan="2">APPROVED</td><td>SOUTH HENDERSON</td><td>XX.XX.2025</td><td colspan="2"></td></tr><tr><td colspan="2">ALURECON CML</td><td colspan="4"></td></tr></table>				DRAWN		JML DOWLING	30.XX.2025			DESIGNED		ELMER SAPUJI	XX.XX.2025			DRG CHECK		TORY JING	XX.XX.2025			DESIGN CHECK		AMY CLARK	XX.XX.2025			APPROVED		SOUTH HENDERSON	XX.XX.2025			ALURECON CML						<table><tr><td colspan="6">SYDNEY METRO CITY & SOUTHWEST BANKSTOWN LINE - 5.90km TO 18.60km D&C OF ERRANT AND HVM TREATMENTS PKG921 ILLAWARRA ROAD OVERBRIDGE DRAWING INDEX</td></tr><tr><td colspan="2">FILE NO.</td><td colspan="2">SHEET: 1</td><td colspan="2">OF 1</td><td>AT</td></tr><tr><td colspan="6">STATUS: FOR CONSTRUCTION</td><td></td></tr><tr><td colspan="2">DRG NO.</td><td colspan="2">SMCSWSW7-MRL-WMS-CE-DWG-921002</td><td colspan="2">00</td><td>RAMES N/A</td></tr></table>				SYDNEY METRO CITY & SOUTHWEST BANKSTOWN LINE - 5.90km TO 18.60km D&C OF ERRANT AND HVM TREATMENTS PKG921 ILLAWARRA ROAD OVERBRIDGE DRAWING INDEX						FILE NO.		SHEET: 1		OF 1		AT	STATUS: FOR CONSTRUCTION							DRG NO.		SMCSWSW7-MRL-WMS-CE-DWG-921002		00		RAMES N/A
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<div>STRUCTURAL NOTES</div> <div>EXISTING BRIDGES - ILLAWARRA ROAD</div> <div>BRIDGE NO. BR07 DESIGN STANDARD: STATE-SPECIFIC PRACTICES</div> <div>REGISTRATION No. OF PLANS: No. 70-300</div> <div>GENERAL NOTES</div> <div>SN1. ALL DIMENSIONS ARE IN MILLIMETRES AND ALL REDUCED LEVELS ARE IN METRES UNLESS NOTED OTHERWISE.</div> <div>SN2. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING THE STRUCTURAL DRAWINGS.</div> <div>SN3. ALL DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE VERIFIED ON SITE BY THE CONTRACTOR PRIOR TO FABRICATION OR CONSTRUCTION.</div> <div>SN4. ANY DISCREPANCIES OR OMISSION SHALL BE REFERRED TO THE SITE DESIGN ENGINEER FOR A DECISION BEFORE PROCEEDING WITH THE WORK.</div> <div>SN5. DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVER STRESSED.</div> <div>SN6. ALL CODES REFERRED TO IN THESE NOTES ARE THE LATEST EDITIONS WITH AMENDMENTS, AS AT THE DATE OF DRAWING ISSUE.</div> <div>SN7. THE FOLLOWING ABBREVIATIONS MAY BE USED ON THESE DRAWINGS: UNO - UNLESS NOTED OTHERWISE TYP - TYPICAL</div> <div>SN8. UTILITIES SHOWN ARE INDICATIVE ONLY. CONTRACTOR IS TO CONFIRM LOCATION OF ALL SERVICES PRIOR TO COMMENCING WORK. CONTRACTOR TO ENSURE ADOPTED METHOD OF CONSTRUCTION WILL AVOID DAMAGE TO ALL UTILITIES.</div> <div>SN9. TO MANAGE AND MITIGATE RESIDUAL RISKS, WORKS SHALL BE UNDERTAKEN BY TRAINED, CERTIFIED AND SUPERVISED PERSONNEL. WITH APPROPRIATE POSSESSION AND TRAFFIC MANAGEMENT CONTROLS IN PLACE.</div> <div>SN10. ALL ANCHOR BOLTS MUST BE CLEAR OF EXISTING STEEL REINFORCEMENT. IF CONFLICT WITH EXISTING REINFORCEMENT IS ENCOUNTERED DURING DRILLING OF HOLES, NOTIFY THE DESIGN ENGINEER FOR DIRECTION.</div> <div>REFERENCE DRAWINGS</div> <div>RD1. CV0107687 N.S.W.T ELECTRIC TRAMWAY, MARRICKVILLE TO UNDERCLIFFE, OVER BRIDGE AT MARRICKVILLE - GENERAL ELEVATION, PLAN & SECTIONS</div> <div>RD2. CV0239996 N.S.W.T ELECTRIC TRAMWAY, MARRICKVILLE TO UNDERCLIFFE, OVER BRIDGE AT MARRICKVILLE - DETAILS OF OVERBRIDGE, RETAINING & PARAPET WALLS AND GATEWAYS</div> <div>RD3. CV0212222 TO CV0212224 & EL0289764 MARRICKVILLE, BANKSTOWN LINE AND METROPOLITAN GOODS LINE, 6.661KM, EB11004 - ILLAWARRA ROAD OVERBRIDGE DECK STRENGTHENING</div> <div>RD4. SMCSSWSWM-MTM-WMS-ST-PKG-002400.C.RVV.C.01 SYDNEY WEST METRO SOUTHWEST STRUCTURAL - BRIDGES PACKAGE No.114 CORRIDOR BRIDGES</div> <div>TRAFFIC LOADING</div> <div>TL1. THE LOAD CAPACITY OF THE BRIDGE HAS BEEN ASSESSED BY AURECON GH.D JV AS T44 (BRIDGE ASSESSMENT REPORT STAGE 3 2019)</div> <div>TL2. LOAD RATING (PROVIDED BY METRO) ADOPTED: T44 TRAFFIC LOADING IN ACCORDANCE WITH AS 5100.7-2017 NUMBER OF DESIGN LANES: 3 DYNAMIC LOADING ALLOWANCE FACTOR: 0.4 OVERALL REPORTED LOAD RATING FACTOR: 0.94 (AS-IS AGJV 2019)</div> <div>TRAFFIC BARRIER PERFORMANCE LEVEL</div> <div>TB1. TL3 / INTERMEDIATE PERFORMANCE LEVEL TO AS 5100.2 & BTD 2007/08 REV 2 HORIZONTAL OUTWARD LOAD = 225kN APPLIED AT MIN EFFECTIVE HEIGHT = 700mm OVER CONTACT LENGTH = 1100mm</div> <div>WIND LOADING</div> <div>WL1. WIND TERRAIN CATEGORY (TC): 3 WL2. WIND REGION: A2 WL3. TOPOGRAPHICAL MULTIPLIER (MT): 1.0 WL4. REGIONAL WIND SPEED ULS: 48m/s WL5. AVERAGE RECURRENCE INTERVAL ULS R = 2000 YEARS</div> <div>REFERENCE DESIGN REPORT</div> <div>RP1. DP921 ILLAWARRA ROAD OVERBRIDGE / MARRICKVILLE STATION DESIGN REPORT SMCSSW7-MRL-WMS-EN-REP-921001</div>																										
<div>STRUCTURAL STEELWORK</div> <div>SN1. STEEL PLATE SHALL BE GRADE 350 TO AS/NZS 3678.</div> <div>SN2. HOT ROLLED SECTIONS SHALL BE GRADE 350 TO AS/NZS 3679.1, RECTANGULAR HOLLOW SECTIONS SHALL BE GRADE C450L0, CIRCULAR HOLLOW SECTIONS SHALL BE GRADE C350L0 TO AS/NZS 1163.</div> <div>SN3. HIGH STRENGTH STEEL BOLTS SHALL BE PROPERTY CLASS 8.8 TO AS/NZS 1252-2016.</div> <div>SN4. HIGH STRENGTH STEEL NUTS SHALL BE PROPERTY CLASS 8.8 TO AS/NZS 1252-2016.</div> <div>SN5. HIGH STRENGTH STEEL WASHERS SHALL CONFORM TO AS/NZS 1252-2016.</div> <div>SN6. STEEL WASHERS (NORMAL AND LARGE SERIES) SHALL CONFORM TO AS 1237.</div> <div>SN7. EDGES OF STEELWORK TO BE GALVANISED SHALL BE ROUNDED TO A RADIUS OF 2mm UNO.</div> <div>SN8. UNLESS NOTED OTHERWISE, ALL COMPONENTS EXCEPT STAINLESS STEEL ITEMS SHALL BE HOT DIP GALVANISED TO AS 4680 AFTER FABRICATION IN ACCORDANCE WITH TNSW SPECIFICATION B201 AND B220.</div> <div>SN9. BOLTS, NUTS, WASHERS, FERRULES AND OTHER CAST IN ITEMS SHALL BE HOT DIP GALVANISED IN ACCORDANCE WITH AS 1214 AND RMS SPECIFICATION B240.</div> <div>SN10. WORKSHOP FABRICATION DRAWINGS SHALL BE SUBMITTED TO THE DESIGNER FOR REVIEW AT LEAST 14 DAYS PRIOR TO COMMENCEMENT OF FABRICATION. FABRICATION SHALL NOT COMMENCE WITHOUT THE PRINCIPAL DESIGNER'S APPROVAL OF THE WORKSHOP DRAWINGS.</div> <div>SN11. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH TNSW SPECIFICATION B201.</div> <div>SN12. ALL BUTT WELDS, WHERE SHOWN, SHALL BE FULL PENETRATION UNO.</div> <div>SN13. ALL GUSSET PLATES AND STIFFENERS SHALL BE WELDED ALONG ALL EDGES THAT CONTACT OTHER PLATES AND SECTIONS.</div> <div>SN14. ANY STIFFENERS OR GUSSETS THAT ARE NOT OF SPECIFIED THICKNESS SHALL BE 10 THICK PLATE. ALL BASEPLATES SHALL BE 20mm THICK UNO.</div> <div>SN15. UNLESS OTHERWISE NOTED, SURFACE TREATMENT SHALL BE HOT DIP GALVANISED. VENT AND DRAINAGE HOLES SHALL BE PROVIDED IN ACCORDANCE WITH THE GALVANISER'S RECOMMENDATIONS AND TO THE ACCEPTANCE OF THE DESIGNER.</div> <div>SN16. UNLESS OTHERWISE NOTED, ALL FILLET WELDS SHALL BE 6mm.</div> <div>SN17. UNLESS OTHERWISE NOTED, BOLTS FOR STEELWORK SHALL BE M20 GALVANISED GRADE 8.8/5 TO AS 1252 SNUG TIGHTENED. MIN TWO BOLTS PER CONNECTION.</div> <div>SN18. GROUT UNDER COLUMN BASE PLATES SHALL BE NON-SHRINK GROUT WITH A CHARACTERISTIC STRENGTH OF 50MPa UNO.</div> <div>SN19. RADIOGRAPHIC OR ULTRASONIC EXAMINATION OF WELDS SHALL BE TO AS 1554 SERIES, AS 2177.1 AND AS 2207 AS APPROPRIATE.</div> <div>SN20.</div> <table><thead><tr><th></th><th>EXAMINATION METHOD</th><th>EXTENT (% OF TOTAL LENGTH OF WELD TYPE)</th></tr></thead><tbody><tr><td>FILLET WELDS SP</td><td>VISUAL INSPECTION</td><td>100</td></tr><tr><td>BUTT WELDS SP</td><td>VISUAL INSPECTION</td><td>100</td></tr><tr><td>BUTT WELDS SP</td><td>ULTRASONIC TESTING</td><td>100</td></tr></tbody></table> <div>SN21. THE ENDS OF ALL TUBULAR MEMBERS ARE TO BE SEALED WITH NORMAL THICKNESS PLATES AND CONTINUOUS FILLET WELDED UNLESS NOTED OTHERWISE.</div> <div>SN22. WHERE MEMBERS SHOWN ON THE STRUCTURAL OR ARCHITECTURAL DRAWINGS ARE REQUIRED TO BE CURVED, BENT OR ROLLED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE METHODS REQUIRED TO ACHIEVE THE REQUIRED SHAPES WITHOUT LOCALISED DISTORTION OF THE MEMBERS.</div> <div>SN23. THE CONTRACTOR SHALL PROVIDE AND LEAVE IN PLACE, UNTIL PERMANENT BRACING ELEMENTS ARE CONSTRUCTED, SUCH TEMPORARY BRACING AS IS NECESSARY TO STABILISE THE STRUCTURE DURING ERECTION.</div> <div>SN24. TRIMMING MEMBERS FOR MECHANICAL/HYDRAULIC PENETRATIONS ARE NOT NECESSARILY SHOWN.</div> <div>SN25. THE CONTRACTOR SHALL PROVIDE ALL CLEATS AND DRILL ALL HOLES NECESSARY FOR FIXING STEEL, TIMBER AND OTHER ELEMENTS TO STEEL WHETHER OR NOT DETAILED ON THE STRUCTURAL DRAWINGS.</div> <div>SN26. THE FABRICATION AND ERECTION OF THE STRUCTURAL STEELWORK SHALL BE SUPERVISED BY QUALIFIED PERSONNEL EXPERIENCED IN SUCH SUPERVISION TO ENSURE THAT ALL REQUIREMENTS OF OH&S AND THE DESIGN ARE MET. DETAILS OF ERECTION SEQUENCE SHALL BE SUBMITTED TO THE HEAD CONTRACTOR FOR REVIEW PRIOR TO COMMENCEMENT OF ERECTION. THE APPROVED ERECTION SEQUENCE SHALL NOT BE VARIED DURING THE ERECTION PROCESS WITHOUT THE APPROVAL OF THE HEAD CONTRACTOR.</div> <div>SN27. ALL PROPRIETARY NAMES PRODUCTS SHALL BE ERECTED TO THE MANUFACTURERS SPECIFICATIONS.</div> <div>SN28. ALL MEMBERS SHALL BE SUPPLIED IN SINGLE LENGTH. SPLICES SHALL ONLY BE PERMITTED IN LOCATIONS SHOWN ON THE STRUCTURAL DRAWINGS.</div> <div>SN29. ISOLATION OF DISSIMILAR METALS SUCH AS STAINLESS STEEL AND MILD STEEL SHOULD BE PROVIDED.</div> <div>STEELWORK PROTECTIVE COATING</div> <div>SP1. ALL EXTERNAL STEELWORK OR SIMILAR APPROVED SYSTEMS AS PER D&C B220 TO BE HOT DIP GALVANISED TO HDG600 IN ACCORDANCE WITH TNSW QA SPECIFICATION B220 & AS 2312.2 & AS 4680 UNO.</div> <div>SP2. IN ACCORDANCE WITH TNSW QA SPECIFICATION B220, ALL EXPOSED STEELWORK THAT ARE CONSIDERED VISIBLE TO THE PUBLIC AS IDENTIFIED BY THE ARCHITECT SHALL BE PROVIDED WITH AN EXTERNAL PAINT SYSTEM EQUIVALENT TO PURS, PS12, OR EHB6 TO AS 2312, OR SIMILAR APPROVED SYSTEMS AS PER D&C B220, WITH A SUITABLE MAINTENANCE REGIME. THIS SYSTEM SHALL BE SUBMITTED FOR REVIEW AND COMMENT BY THE DESIGNER WITH ALL RELEVANT TESTING, CERTIFICATES, WARRANTY, RECOMMENDED MAINTENANCE PERIODS PRIOR TO ANY WORKS PROCEEDING. ALL PAINTING SYSTEMS SHALL BE TOUCHED-UP/MADE GOOD FOLLOWING INSTALLATION TO THE APPROVAL OF THE DESIGNER.</div> <div>SP3. ALL EDGES TO BE PROTECTIVE TREATED SHALL BE ROUNDED TO A RADIUS OF 2mm UNO.</div> <div>SP4. DAMAGED PAINTED SURFACES SHALL BE REPAIRED IN ACCORDANCE WITH QA B220.</div>													EXAMINATION METHOD	EXTENT (% OF TOTAL LENGTH OF WELD TYPE)	FILLET WELDS SP	VISUAL INSPECTION	100	BUTT WELDS SP	VISUAL INSPECTION	100	BUTT WELDS SP	ULTRASONIC TESTING	100			
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<div>STEELWORK PROTECTIVE COATING (CONT.)</div> <div>SP5. PROTECTION OF INTERNAL SURFACES OF HOLLOW MEMBERS SHALL FOLLOW TNSW SPECIFICATION D&C B220</div> <div>SP6. DAMAGED GALVANISED SURFACES SHALL BE RENOVATED IN ACCORDANCE WITH TNSW QA SPECIFICATION B220.</div> <div>SP7. DAMAGED PAINTED SURFACES SHALL BE REPAIRED IN ACCORDANCE WITH QA B220.</div> <div>CONCRETE</div> <div>C1. REINFORCEMENT SHALL NOT BE IN CONTACT WITH THE HOLD DOWN BOLT ASSEMBLY UNLESS NOTED OTHERWISE. REINFORCEMENT MUST BE INSPECTED BY THE SITE ENGINEER TO CONFIRM SEPARATION BETWEEN REINFORCEMENT AND THE HOLD DOWN BOLT ASSEMBLY PRIOR TO CONCRETING. REFER ALSO TO SPECIFIC DETAILS.</div> <div>C2. WELDING OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH AS 5100.5 AND TNSW QA SPECIFICATION B80.</div> <div>C3. VOID FORMERS SHALL BE HELD SECURELY IN PLACE TO AVOID DISPLACEMENT DURING CONCRETING.</div> <div>C4. GALVANISED REINFORCEMENT WHERE SPECIFIED - LONGITUDINAL BARS AT JOINTS SHALL BE PASSIVATED IN A 0.02% SODIUM DICHROMATE SOLUTION OR EQUIVALENT.</div> <div>C5. CONCRETE SIZES SHOWN DO NOT INCLUDE THICKNESSES OF APPLIED FINISHES.</div> <div>C6. DEPTHS OF BEAMS AND BANDS ARE GIVEN FIRST AND INCLUDE SLAB THICKNESS. THE METHOD OF ACHIEVING THE CAMBER IS SUBJECT TO APPROVAL BY THE DESIGNER.</div> <div>C7. FOR CHAMFERS, DRIP GROOVES, REGLETs, ETC. REFER TO ARCHITECTS DETAILS. MAINTAIN COVER TO REINFORCEMENT AT THESE DETAILS.</div> <div>C8. NO HOLES, CHASES OR EMBEDMENT OF PIPES OTHER THAN THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE MADE IN CONCRETE MEMBERS WITHOUT THE PRIOR WRITTEN APPROVAL OF THE DESIGNER.</div> <div>C9. WHERE NOT SHOWN ON THE STRUCTURAL DRAWINGS CONSTRUCTION JOINTS SHALL BE LOCATED TO THE APPROVAL OF THE DESIGNER.</div> <div>C10. CONDUITS, PIPES ETC. SHALL ONLY BE LOCATED IN THE MIDDLE ONE THIRD OF SLAB DEPTH AND SPACED AT NOT LESS THAN 3 DIAMETERS. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE COVER TO THE REINFORCEMENT.</div> <div>C11. REINFORCEMENT SHALL BE SUPPORTED ON PURPOSE MADE CONCRETE, STEEL OR PLASTIC SUPPORTS DEPENDING ON THE EXPOSURE CONDITION TO PROVIDE THE SPECIFIED CLEAR COVER. AT EXTERNAL SURFACES EITHER ALL PLASTIC OR CONCRETE SUPPORTS SHALL BE USED. SUPPORTS SHALL BE LOCATED AT NOT MORE THAN 60 BAR DIAMETERS EACH WAY FOR BARS AND NOT MORE THAN 750mm EACH WAY FOR MESH.</div> <div>C12. REINFORCEMENT SYMBOLS - BARS R - ROUND D - DEFORMED I - INFERRED 250, 300, 500 - STRENGTH GRADE IN MPa L - LOW DUCTILITY N - NORMAL DUCTILITY E - EARTHQUAKE DUCTILITY eg. D500N16 - DEFORMED BAR, GRADE 500MPa, NORMAL DUCTILITY, 16mm DIAMETER</div> <div>REINFORCEMENT SYMBOLS - WELDED MESH R, D, I - AS FOR BARS 500 - STRENGTH GRADE S - SQUARE MESH L - RECTANGULAR MESH L, N, E - DUCTILITY AS FOR BARS</div> <div>C13. BARS DENOTED N SHALL BE TYPE D500N BARS DENOTED R SHALL BE TYPE R230N MESH DENOTED S..... OR RL..... SHALL BE TYPE D500SL OR TYPE D500RL RESPECTIVELY.</div> <div>C14. REINFORCEMENT NOTATION N12-300 3N28 <div><div>SPACING (mm)</div><div>BAR DIAMETER (mm)</div><div>TYPE OF BAR</div></div><div><div>BAR DIAMETER (mm)</div><div>TYPE OF BAR</div><div>NUMBER OF BARS</div></div></div> <div>C15. REFERENCE NUMBER FOR MESH IN ACCORDANCE WITH AS 4671. TO BE RE-BENT ON SITE SHALL BE MADE FROM QUENCHED AND SELF PULL OUT BARS OR OTHER BARS WHICH S..... OR L..... IS THE TEMPERED STEEL. THE BARS SHALL BE POSITIONED WITH THE INITIAL BEND CLEAR OF THE CONCRETE FACE.</div> <div>C16. SITE BENDING OF REINFORCEMENT BARS SHALL BE DONE WITHOUT HEATING USING A RE-BENDING TOOL. THE BARS SHALL BE RE-BENT AGAINST A FLAT SURFACE OR A PIN WITH A DIAMETER NOT LESS THAN THE MINIMUM PIN SIZE PRESCRIBED IN TNSW QA SPECIFICATION B80.</div> <div>C17. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION.</div> <div>C18. WHERE TRANSVERSE TIE BARS ARE NOT SHOWN PROVIDE N12-400 SPLICED WHERE NECESSARY AND LAP WITH MAIN BARS 400mm UNLESS NOTED OTHERWISE.</div> <div>C19. SLAB REINFORCEMENT SHALL EXTEND AT LEAST 65mm ONTO MASONRY SUPPORT WALLS.</div> <div>C20. AT JOGGLES IN BARS, THE MAXIMUM OFFSET SHALL BE 1 BAR DIAMETER OVER A LENGTH OF 12 BAR DIAMETER.</div> <div>C21. REINFORCEMENT COUPLERS, UNLESS SHOWN ON THE DRAWINGS, SHALL NOT BE USED WITHOUT APPROVAL BY THE DESIGNER.</div> <div>C22. ALL DOWELS PLACED IN DOWEL JOINTS AND IN EXPANSION JOINTS IN CONCRETE SLABS SHALL BE PLACED WITHIN THE FOLLOWING TOLERANCES. VERTICAL ALIGNMENT ± 2 DEGREES FROM LEVEL. HORIZONTAL ALIGNMENT ± 2 DEGREES FROM A LINE PERPENDICULAR TO THE FACE OF THE JOINT. POSITION ± 5mm.</div> <div>C23. GIVE A MINIMUM OF 2 CLEAR BUSINESS DAY NOTICE FOR INSPECTION OF REINFORCEMENT BY THE DESIGNER.</div>																										
<div>DRAWING COLOUR CODED - PRINT ALL COPIES IN COLOUR</div> <table><tr><td>00</td><td>APPROVED FOR CONSTRUCTION</td><td>ESH / XX.XX.25</td><td>BK / XX.XX.25</td><td>SH / XX.XX.25</td></tr><tr><td>8</td><td>CRITICAL DESIGN REVIEW - STAGE 3</td><td>ESH / 18.10.24</td><td>BK / 18.10.24</td><td>SH / 18.10.24</td></tr><tr><td>A</td><td>PRELIMINARY DESIGN REVIEW - STAGE 2</td><td>JK / 28.06.24</td><td>BK / 28.06.24</td><td>SH / 28.06.24</td></tr></table> <div>AND DESCRIPTION DESIGNER DESIGN DATE VERIFIED VERIFY DATE APPROVED APPROVE DATE</div> <div>CO-ORDINATE SYSTEM: MGA 94 HEIGHT DATUM: AHD SCALE:</div> <div><div>NSW GOVERNMENT</div><div>sydney METRO</div><div>aurecon</div><div>ALURECON CML</div></div> <div><div>This drawing and the related information have been prepared by, or at the request of, Transport for NSW for a specific purpose and may not be used for any purpose other than the purpose intended by Transport for NSW.</div><div>Transport for NSW does not provide any warranty or guarantee in relation to the use of this drawing or any of the related information for any purpose other than the intended purpose. This drawing is protected by copyright and no part of this drawing may be reproduced in any form without the express written permission of Transport for NSW.</div></div> <div><div>SYDNEY METRO CITY & SOUTHWEST</div><div>BANKSTOWN LINE - 5.90km TO 18.60km</div><div>D&C OF ERRANT AND HVM TREATMENTS</div><div>PKG921 ILLAWARRA ROAD OVERBRIDGE</div><div>GENERAL NOTES</div><div>FILE No. SHEET: 3 OF 9 AT</div><div>STATUS: FOR CONSTRUCTION</div><div>PROJ No. SMCSSW7-MRL-WMS-CE-DWG-921013</div><div>00</div><div>DRW No.</div></div>												00	APPROVED FOR CONSTRUCTION	ESH / XX.XX.25	BK / XX.XX.25	SH / XX.XX.25	8	CRITICAL DESIGN REVIEW - STAGE 3	ESH / 18.10.24	BK / 18.10.24	SH / 18.10.24	A	PRELIMINARY DESIGN REVIEW - STAGE 2	JK / 28.06.24	BK / 28.06.24	SH / 28.06.24
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STRUCTURAL NOTES (CONT.)

CONCRETE CONT'

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C24. THE FINISHED CONCRETE SHALL BE A DENSE HOMOGENEOUS MASS, COMPLETELY FILLING THE FORMWORK THOROUGHLY EMBEDDING THE REINFORCEMENT AND FREE OF STONE POCKETS. ALL CONCRETE SHALL BE COMPACTED WITH MECHANICAL VIBRATORS. CONCRETE FINISHES FOR FORMED SURFACES MUST BE CLASS 2C (EXPOSED SURFACES) AND CLASS 3 FOR ALL PERMANENTLY HIDDEN SURFACES IN ACCORDANCE WITH AS 3610.1.

C25. SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN ON THE STRUCTURAL DRAWINGS OR IN POSITIONS OTHERWISE APPROVED IN WRITING BY THE DESIGNER. THE DEVELOPMENT AND LAP LENGTHS FOR REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE TABLE BELOW UNLESS NOTED ELSEWHERE.

TENSION DEVELOPMENT LENGTH 'L' / SPLICE SCHEDULE (mm)		
BAR SIZE	CONCRETE GRADE 40MPa / 50MPa	
	LESS THAN 300mm CONCRETE BELOW BAR OR VERTICAL BAR *	MORE THAN 300mm CONCRETE BELOW BAR *
N12 DEVEL'T	350	500
SPLICE	350	500
N16 DEVEL'T	500	650
SPLICE	550	750
N20 DEVEL'T	600	800
SPLICE	750	1000
N24 DEVEL'T	800	1050
SPLICE	1000	1300
N28 DEVEL'T	1000	1300
SPLICE	1250	1650
N32 DEVEL'T	1200	1600
SPLICE	1500	1950
N36 DEVEL'T	1450	1900
SPLICE	1800	2350
N40 DEVEL'T	1925	2500
SPLICE	2150	2800

a. CLEAR DISTANCE BETWEEN LAPPED BARS SHALL NOT EXCEED 3 x THE BAR DIAMETER.

b. UNLESS SPECIFIED OTHERWISE LAPS IN ADJACENT BARS SHALL BE OFFSET BY AT LEAST A DEVELOPMENT LENGTH.

c. *VALUES TO BE INCREASED BY 20% FOR 3-BAR BUNDLE AND 33% FOR A 4-BAR BUNDLE.

d. TABULATED VALUES ARE BASED ON 45mm CLEAR COVER TO REINFORCEMENT.

C26. SPLICES IN MESH: THE OUTERMOST TRANSVERSE WIRES SHALL BE OVERLAPPED BY AT LEAST THE SPACING OF THE TRANSVERSE WIRES PLUS 50mm.

C27. CONSTRUCTION TOLERANCE SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF TNSW QA SPECIFICATION B80.

C28. PROVIDE 'NOMINAL' COVER AS DEFINED IN SECTION 4.10.3.1 OF AS 5100.5 UNLESS STATED OTHERWISE.

EARTHING AND BONDING NOTES:

EB1. ELECTRICAL CONTINUITY SHALL BE PROVIDED FOR REINFORCEMENT BY TACK WELDING IN ACCORDANCE WITH AS/NZS 1554.3:2014 AT REGULAR INTERVALS AND/OR USING STRONG MULTIPLE TIES.

EB2. ELECTRICAL CONTINUITY OF REINFORCEMENT SHALL BE TESTED IN ACCORDANCE WITH AS/NZS 2832.5:2015. THE STABLE RESISTANCE OF REINFORCEMENT CAGE SHALL BE MEASURED LESS THAN 0.2 OHM PRIOR TO SECURING CAGES OR CASTING CONCRETE.

EB3. TACK WELDS SHALL BE PERFORMED BY A QUALIFIED WELDER AS DEFINED IN AS 1554.

EB4. EXISTING TRAFFIC SIGNAL POST TO BE RELOCATED AND REPLACED WITH NEW DOUBLE INSULATED LIGHTING AND PVC CONDUIT FOR CABLES.

EB5. ELECTRICAL CONTINUITY TEST BETWEEN OHW ATTACHMENTS AND SPARK GAP SHALL BE UNDERTAKEN WITH A MILLI-OHM HIGH CURRENT INJECTION TESTER BEFORE AND AFTER OHW ATTACHMENTS RELOCATION. THE RESULT SHALL BE NO MORE THAN 20mΩ.

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00	APPROVED FOR CONSTRUCTION	ESM / XX.XX.25	BK / XX.XX.25	SH / XX.XX.25	<div><div>NSW GOVERNMENT</div><div>sydney METRO</div><div>aurecon</div></div>
8	CRITICAL DESIGN REVIEW - STAGE 3	ESM / 18.10.24	BK / 18.10.24	SH / 18.10.24	
A	PRELIMINARY DESIGN REVIEW - STAGE 2	JK / 28.06.24	BK / 28.06.24	SH / 28.06.24	
AMD	DESCRIPTION	DESIGNER SIGN DATE	VERIFIED SIGN DATE	APPROVED SIGN DATE	
CD-ORDINATE SYSTEM	IMGA 94	HEIGHT DATUM	AHD	SCALE	

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DRAWN: JML DOWLING
DESIGNED: ELMER SAPOTI
DRG CHECK: TONY JUNG
DESIGN CHECK: AMY CLARK
APPROVED: SOUTH HENDERSON

20.XX.2025
20.XX.2025
20.XX.2025
20.XX.2025
20.XX.2025

SYDNEY METRO CITY & SOUTHWEST
BANKSTOWN LINE - 5.90km TO 18.60km
D&C OF ERRANT AND HVM TREATMENTS
PKG921 ILLAWARRA ROAD OVERBRIDGE
GENERAL NOTES

FILE NO. SHEET: 4 OF 9 AT

STATUS: FOR CONSTRUCTION

PROJ NO. SMC5NSW7-ARL-WMS-CE-DWG-921014 00

Print Date & Time: 18/01/2025 22:14:19

Plot Date & Time: 18/01/2025 22:14:19

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EARTHWORKS NOTES

ENVIRONMENTAL

EN1. CEMP: CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN.
EN2. ENVIRONMENTAL TESTING IN ACCORDANCE WITH THE CEMP MUST BE UNDERTAKEN.
EN3. CONSTRUCTION PROCEDURES MUST BE IN ACCORDANCE WITH CEMP.
EN4. TOPSOIL TO BE GENERALLY STOCKPILED FOR RE-USE.
EN5. EXCESS SPOIL TO BE BENEFICALLY RE-USED ON SITE, WHERE POSSIBLE.
EN6. FILL EARTHWORKS MUST PRIORITISE THE USE OF SITE WON MATERIAL BEFORE ADDITIONAL MATERIAL IS INTRODUCED.
EN7. CONSTRUCTION SHOULD BE UNDERTAKEN IN ACCORDANCE WITH THE RELEVANT CONDITIONS OF APPROVAL (SSI 8256) AND REVISED ENVIRONMENTAL MITIGATION MEASURES (SYDENHAM TO BANKSTOWN SUBMISSIONS AND PREFERRED INFRASTRUCTURE REPORT), AND THE SYDNEY METRO CITY & SOUTHWEST SYDENHAM TO BANKSTOWN SUBMISSIONS REPORT (THE SR), AND THE REVISED DESIGN OF BANKSTOWN STATION STATE SIGNIFICANT INFRASTRUCTURE MODIFICATION ASSESSMENT (SSI 8256 MOD 1), AND THE SYDNEY METRO CITY & SOUTHWEST SYDENHAM TO BANKSTOWN RESPONSE TO SUBMISSIONS, AND APPENDIX I OF THE RELEVANT DESIGN REPORT.
EN8. CONSTRUCTION ACTIVITIES SHOULD COMPLY WITH THE REQUIREMENTS OF THE ARTEFACT HERITAGE (2018) SYDNEY METRO CITY AND SOUTHWEST SYDENHAM TO BANKSTOWN UPGRADE - ARCHAEOLOGICAL ASSESSMENT AND RESEARCH DESIGN REPORT.

GEOTECHNICAL

GE1. IF LOCALISED POCKETS OF UNSUITABLE MATERIAL AS DEFINED IN TNSW D&C R44 (INCLUDING SOFT AND VERY SOFT MATERIAL) REMOVAL AND REPLACEMENT SHALL BE CARRIED OUT AND DIRECTED BY THE SQGE BASED ON INSPECTION OF EXPOSED FOUNDATIONS. PROOF ROLLING SHALL BE UNDERTAKEN FOR SIGN OFF OF HOLD POINT FOR UNSUITABLE MATERIAL.
GE2. IN AREAS WHERE SPECIAL TREATMENTS WILL BE REQUIRED, PARTICULAR INVESTIGATION AND ASSESSMENT OF THE DEPTH AND EXTENT OF THE FOUNDATION TREATMENT SHALL BE VERIFIED BY THE SQGE.
GE3. GROUND TREATMENT MAY BE REQUIRED TO SUIT ACTUAL GROUND CONDITIONS ENCOUNTERED ON SITE AS DIRECTED BY SUITABLY QUALIFIED GEOTECHNICAL ENGINEER (SQGE).
GE4. ALL FOUNDATION TREATMENTS AND ASSOCIATED EARTHWORKS MATERIALS SHALL BE VERIFIED BY SQGE (HOLD POINT).
GE5. SEPARATION GEOTEXTILE MAY BE REQUIRED ABOVE AND BELOW THE STRUCTURAL ZONE SUBJECT TO GRADING ASSESSMENT OF STRUCTURAL ZONE, CAPPING AND SUB GRADE. TO BE CONFIRMED ON SITE BY SQGE.
GE6. FOUNDING MATERIAL FOR ALL STRUCTURES IS ASSUMED TO BE STIFF CLAY OR BETTER UNO WITH A MINIMUM UNRESTRAINED COHESION OF 50kPa, OR A MINIMUM EFFECTIVE COHESION OF 5kPa AND EFFECTIVE FRICTION ANGLE OF 26°. THESE ARE MINIMUM REQUIREMENTS. VARIATIONS IN GROUND CONDITIONS AND BEDROCK MAY BE ENCOUNTERED WITHIN THE DEPTH OF THE EXCAVATION UNO.
GE7. PRIOR TO CONSTRUCTION, THE FOUNDING CONDITIONS SHALL BE VERIFIED BY A SUITABLY QUALIFIED GEOTECHNICAL ENGINEER TO ENSURE THAT THE FOUNDING MATERIAL STRENGTHS MEET OR EXCEED THE ASSUMED DESIGN STRENGTH. THE SUITABLY QUALIFIED GEOTECHNICAL ENGINEER SHALL ENSURE THAT ANY NECESSARY FOUNDATION TREATMENTS ARE COMPLETED PRIOR TO CONSTRUCTION. FOUNDING MATERIALS NOT MEETING THE REQUIRED STRENGTH SHALL BE REMOVED AND REPLACED WITH A GENERAL FILL IN ACCORDANCE WITH THE EARTHWORKS GENERAL NOTES TO THE SATISFACTION OF THE SUITABLY QUALIFIED GEOTECHNICAL ENGINEER.

COMPACTION

CO1. TRACK AND ROAD EMBANKMENTS

ZONE	COMPACTION TYPE	DESCRIPTION
STRUCTURAL FILL	COMPACTION (A)	COHESIVE SOILS - NOT LESS THAN 100% RELATIVE COMPACTION AS DETERMINED BY TNSW T111. ROCK FILL OR COHESIONLESS SOILS - NO VISIBLE DEFLECTION OF SURFACE UNDER 10 TONNE VIBRATORY ROLLERS AFTER 6-8 PASSES
GENERAL FILL	COMPACTION (B)	NOT LESS THAN 98% RELATIVE COMPACTION AS DETERMINED BY TNSW T111 (STANDARD COMPACTION)
RAIL CAPPING LAYER	COMPACTION (C)	NOT LESS THAN 95% RELATIVE COMPACTION AS DETERMINED BY TNSW T112 (MODIFIED COMPACTION)
FOUNDATION FOR EMBANKMENT	COMPACTION (D)	NOT LESS THAN 95% RELATIVE COMPACTION AS DETERMINED BY TNSW T111 (STANDARD COMPACTION)

CO2. GENERAL

a. PLACEMENT OF MATERIAL LAYERS SHOULD NOT EXCEED 200mm THICKNESS. GRANULAR MATERIAL SHOULD BE PLACED IN LAYERS NOT EXCEEDING 300mm. THESE LAYER THICKNESS ARE PROVIDED AS GUIDANCE AND CAN BE USED DURING CONSTRUCTION PROVIDING THE REQUIRED COMPACTION IS ACHIEVED.
b. EARTHWORKS NEAR STRUCTURES SHALL COMPLY WITH T HR CI 12110 ST - SECTION 13.

CUTTING AND EMBANKMENTS

CE1. LANDSCAPE BATTER SLOPES MUST NOT BE STEEPER THAN 1V:3H.
CE2. BENCHES MUST BE PROVIDED ON ALL BATTER SLOPES GREATER THAN 10m HIGH. BENCH WIDTHS MUST NOT BE LESS THAN 4m WIDE.
CE3. ALLOWANCE FOR A MAXIMUM FUTURE EXCAVATION OF 1m AT THE TOE OF EMBANKMENTS AND CUTTINGS MUST BE INCLUDED FOR ALL PERMANENT FORMATION EARTHWORKS.
CE4. STABILITY AND EROSION PREVENTION OF SLOPES TO BE ASSESSED AND CONFIRMED BY SQGE.

VERIFICATION & TESTING REQUIREMENTS

APPROPRIATE SUPERVISION AND VERIFICATION / TESTING TO BE CARRIED OUT IN ACCORDANCE WITH THE FOLLOWING STANDARD DURING THE CONSTRUCTION WORKS:
VTR1. TNSW D&C R44 - EARTHWORKS
VTR2. T HR CI 12110 ST - EARTHWORKS AND FORMATION
VTR3. T HR CI 12111 SP - EARTHWORKS MATERIALS

VERIFICATION & TESTING REQUIREMENTS (CONT.)

VTR5. GENERAL FILL / SUBGRADE

DESCRIPTION	CRITERIA
SOAKED CBR (4 DAY)	≥3.0%
PLASTICITY INDEX	9 - 45%
FREE SWELL VALUE	MAX. 3%
PARTICLE SIZE DISTRIBUTION	% PASSING 200mm SIEVE 100 % PASSING 37.5mm SIEVE 60
MAXIMUM NOMINAL SIZE	100mm

BACKFILL AND BULK FILL

BB1. BACKFILL TO EXCAVATION MUST BE FREE OF DELETERIOUS MATERIALS.
BB2. EARTH BACKFILL MATERIALS MUST BE VIRGIN EXCAVATED NATURAL MATERIAL AND FREE OF CONTAMINATION.

THE TABLES BELOW DETAIL THE MATERIAL PROPERTIES TO BE ACHIEVED FROM TESTING AND VERIFICATION.

VTR4. STRUCTURAL ZONE FILL MATERIAL: (CRUSHED ROCK)

DESCRIPTION	CRITERIA
PARTICLE SIZE DISTRIBUTION	% PASSING 53.0mm SIEVE 80-100 % PASSING 2.36mm SIEVE 15-100 % PASSING 425um SIEVE 5-70 % PASSING 75um SIEVE 0-30
ATTERBERG LIMITS	LIQUID LIMIT MAX. 40% PLASTICITY INDEX MAX. 20%
MAXIMUM DRY DENSITY	MINIMUM 18kN/m³
SOAKED CBR	MINIMUM 8%

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0	CRITICAL DESIGN REVIEW - STAGE 3	ESI / 18.10.24	BK / 18.10.24	SH / 18.10.24
A	PRELIMINARY DESIGN REVIEW - STAGE 2	JK / 28.06.24	BK / 28.06.24	SH / 28.06.24
AMD	DESCRIPTION	DESIGNER SIGN DATE	VERIFIED SIGN DATE	APPROVED SIGN DATE
CO-ORDINATE SYSTEM: MGA 94		HEIGHT DATUM: AHJD		SCALE:

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DRAWN: JANA DOMINGO
DESIGNED: ELNER SAPIRO
DRG CHECK: TONY LIN
DESIGN CHECK: AMY CLARK
APPROVED: SHUTLEWORTH

XJXX/2025
XJXX/2025
XJXX/2025
XJXX/2025
XJXX/2025

SYDNEY METRO CITY & SOUTHWEST

BANKSTOWN LINE - 5.90km TO 18.60km
D&C OF ERRANT AND HVM TREATMENTS
PKG921 ILLAWARRA ROAD OVERBRIDGE
GENERAL NOTES

FILE No. SHEET: 5 OF 9

STATUS: FOR CONSTRUCTION

BMS No. SMCNSW-MRL-WNS-CE-0WG-921(015) 00

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CIVIL NOTES

SIGNS AND LINEMARKING

GENERAL

ALL MATERIALS AND WORKMANSHIP IS TO BE IN ACCORDANCE WITH THE RELEVANT TNSW D&C SPECIFICATIONS FOR THE WORK:
a. 3400 - MANUFACTURE AND DELIVERY OF ROAD SIGNS
b. DC R142 ED 1 REV 2 RETROREFLECTIVE RAISED PAVEMENT MARKETS (VA12657929).doc
c. DC R143 ED 2 REV 0 SIGNPOSTING (VA12658840).doc
d. DC R145 ED 3 REV 0 PAVEMENT MARKING (PERFORMANCE BASED) (VA13966788).doc

DELINEATION

DE1. DELINEATION TO BE IN ACCORDANCE WITH THE TNSW DELINEATION GUIDELINES AND AUSTRALIAN STANDARD AS 1742.
DE2. PAVEMENT MARKING TO BE PROVIDED IN ACCORDANCE WITH TNSW D&C SPECIFICATION R145.
DE3. LINE MARKING TO BE PROVIDED ON PAVEMENT SURFACES IN ACCORDANCE WITH TNSW D&C SPECIFICATION R145 AS FOLLOWS:
FOR LOCAL ROADS - WATERBORNE PAINTED NORMAL LINEMARKING
DE4. PARKING LINE MARKING TO BE 100mm WIDE WHITE AS PER AS 2890.

SIGNAGE

SG1. SIGNPOSTING TO BE IN ACCORDANCE WITH AUSTRALIAN STANDARD AS 1742 AND TNSW SIGNS REGISTER.
SG2. MANUFACTURE, SUPPLY AND INSTALLATION OF SIGNAGE SHALL BE IN ACCORDANCE WITH ROADS AND MARITIME D&C SPECIFICATION R143 AND AS 3400 MANUFACTURE AND DELIVERY OF ROAD SIGNS.
SG3. CONNECTION OF SIGN FACES AND ASSEMBLY DETAILS TO BE UNDERTAKEN IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND RELEVANT ROADS AND MARITIME SPECIFICATIONS.
SG4. SIGNS MAY BE RELOCATED LOCALLY WITH CONSIDERATION OF SIGHT LINES AND THE INTERFACING WITH NEW AND EXISTING INFRASTRUCTURE WITH THE APPROVAL OF THE DESIGN SITE REPRESENTATIVE.
SG5. TO ELIMINATE EXCESSIVE GLARE FROM THE SURFACE OF A SIGN, THE SIGN SHOULD BE TURNED APPROX. 5° OR 1/10 SIGN WIDTH AWAY FROM THE NORMAL TO THE HEADLIGHT BEAM/LINE OF SIGHT 200m IN ADVANCE OF THE SIGN. THE VERTICAL AXIS OF OVERHEAD SIGNS SHOULD BE TILTED BACK 5° TO THE LINE OF SIGHT ON LEVEL AND DOWNHILL. ON UPHILL GRADES, TILT BACK 5° TO THE LINE OF SIGHT. REFER TO DIAGRAMS BELOW FOR INDICATIVE SET-OUT OF SIGNS.

5° OR 1/10 SIGN WIDTH APPROX.

ROAD SIGN

PERPENDICULAR TO ROADWAY

ROADWAY

ROAD SIGN

PERPENDICULAR TO LINE X

LINE X

ROADWAY

ROAD SIGN

5° OR 1/10 SIGN WIDTH APPROX.

(a) ON STRAIGHT

(b) LEFT-HAND CURVES

PERPENDICULAR TO LINE X

LINE X

ROAD SIGN

PERPENDICULAR TO ROADWAY

ROADWAY

ROAD SIGN

PERPENDICULAR TO LINE X

LINE X

ROADWAY

ROAD SIGN

(c) RIGHT-HAND CURVES

LINE X = 200m

PROVISION FOR TRAFFIC DURING CONSTRUCTION IS TO BE IN ACCORDANCE WITH THE CURRENT AUSTRALIAN STANDARD 1742.3 / RMS G10 SPECIFICATION.

PAVEMENTS

PT1. THE CONTRACTOR SHALL CONSTRUCT THE PAVEMENTS AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN AND TNSW SPECIFICATIONS AND SPECIFICALLY WITH THE FOLLOWING:
a. ASPHALT: TNSW R116 AS NOTED ON DRAWINGS
b. SPRAYED SEAL/BITUMINOUS SURFACE: TNSW R106
c. SOLID WALLED PVC PIPE: AS 2032
PT2. FOLLOWING COMPLETION OF THE WEARING SURFACE THE CONTRACTOR SHALL SURVEY THE SURFACE AND PROVIDE DRAWINGS SHOWING THE AS BUILT LEVELS AND ANY DEVIATIONS IN ACCORDANCE WITH THE TOLERANCE PROVIDED IN THE APPLICABLE TNSW SPECIFICATION.
PT3. ALL 'PT' NOTES HEREIN ARE UNO ON THE DRAWINGS.

PATHWAYS

F01. CONCRETE PATHWAY SURFACE TO HAVE A NON-SLIP BROOM FINISH WITH MINIMUM SLIP RESISTANCE CLASSIFICATION (CLASS) P5 OR TO MATCH URBAN DESIGNER'S SPECIFIC REQUIREMENTS.
F02. CONCRETE FOR PATHWAYS (OFF-STRUCTURE) ARE TO BE SUPPLIED AND PLACED IN ACCORDANCE WITH TNSW RS4 UNO.

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NSW GOVERNMENT

sydney METRO

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CRITICAL DESIGN REVIEW - STAGE 3

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BK / 18.10.24

SH / 18.10.24

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PRELIMINARY DESIGN REVIEW - STAGE 2

JK / 28.06.24

BK / 28.06.24

SH / 28.06.24

AMD

DESCRIPTION

DESIGNER SIGN DATE

VERIFIED SIGN DATE

APPROVED SIGN DATE

CD-ORDINATE SYSTEM

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HEIGHT DATUM

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SCALE

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DRAWN

JML DOWLING

DESIGNED

ELMER SAPUDI

DRG CHECK

TONY JING

DESIGN CHECK

AMY CHEN

APPROVED

SOUTH HENDERSON

28/06/2025

28/06/2025

28/06/2025

28/06/2025

28/06/2025

28/06/2025

SYDNEY METRO CITY & SOUTHWEST

BANKSTOWN LINE - 5.90km TO 18.60km

D&C OF ERRANT AND HVM TREATMENTS

PKG921 ILLAWARRA ROAD OVERBRIDGE

GENERAL NOTES

FILE NO.

SHEET: 6 OF 9

STATUS: FOR CONSTRUCTION

PKG No.

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	UTILITIES NOTES																																															
	GENERAL																																															
A	UT1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL PUBLIC OR PRIVATE SERVICE PROVIDER DRAWINGS, INCLUDING BUT NOT LIMITED TO: - JEMENA DRAWINGS - AUSGRID DRAWINGS - SYDNEY WATER DRAWINGS - TNSW SIGNAL PLAN DRAWINGS - TELSTRA AND OPTUS DRAWINGS - SYDNEY TRAINS DRAWINGS												A																																			
B	UT2. EXISTING UTILITIES SHOWN ON DRAWINGS ARE INDICATIVE ONLY AND COMPRISES OF A COMBINATION OF DBYD DATA, SYDNEY TRAINS DSS AND GROUND SURVEY DATA OBTAINED DURING THE DESIGN PROCESS AND MAY NOT INCLUDE ALL SERVICES PRESENT. AURECON TAKES NO RESPONSIBILITY FOR THE UTILITY INFORMATION AS SHOWN ON THESE DRAWINGS. UT3. IT IS THE CONTRACTORS RESPONSIBILITY TO LIAISE WITH EACH UTILITY SERVICE PROVIDER, TO LOCATE AND IDENTIFY THE SIZE, POSITION, LINE AND LEVEL OF ALL UTILITY SERVICES IN BOTH PUBLIC AND PRIVATE LAND, PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. UT4. THE CONTRACTOR MUST TAKE EVERY PRECAUTION TO PROTECT EXISTING AND NEW UTILITY SERVICES THROUGH THE COURSE OF THE CONTRACT. UT5. ALL WORKS INVOLVING UTILITY SERVICES TO BE UNDERTAKEN TO THE SATISFACTION OF THE UTILITY SERVICE PROVIDER. THE CONTRACTOR WILL BE RESPONSIBLE FOR ENGAGING WITH THE UTILITY SERVICE PROVIDER, THE EXECUTION OF THE WORK TO THEIR REQUIREMENTS AND PROCUREMENT OF APPROVALS FOR WORKS UNDERTAKEN.												B																																			
C	UT6. ALL WORKS INVOLVING UTILITY SERVICES MUST ONLY BE UNDERTAKEN USING PLANS APPROVED BY THE UTILITY SERVICE PROVIDER. UT7. ALL SERVICE PIT COVERS TO BE PLACED AT FINISHED SURFACE LEVELS TO MATCH THE PROPOSED LONGITUDINAL AND CROSS FALL GRADES OF THE FOOTPATH OR ROADWAY IT IS CONTAINED WITHIN. UT8. NO PIPE OR TRENCH SHALL BE LOCATED WITHIN THE ZONE OF INFLUENCE (1V:1H) OF A FOOTING WHERE AN AUTHORITIES APPROVAL IS NOT PROVIDED UT9. "WORKS AS CONSTRUCTED" SURVEY ON ALL UTILITY WORK SHALL BE RECORDED PRIOR TO ANY BACKFILLING. UT10. AUSGRID TRANSMISSION CABLES - AUSGRID SUPERVISOR SHALL BE ON SITE WHEN EXCAVATION IS WITHIN 2m OF TRANSMISSION CABLES. UT11. JEMENA GAS - JEMENA SUPERVISOR SHALL BE ON SITE WHEN EXCAVATION IS UNDERTAKEN AS REQUIRED BY JEMENA SPECIFICATIONS.												C																																			
D	UT12. UTILITY LOCATION BASED ON DATA WITH VARIOUS LEVEL OF ACCURACY. THIS ACCURACY IS DEFINED BY AS 5488 SUCH AS QUALITY LEVEL A HAVING HORIZONTAL AND VERTICAL TOLERANCES OF +- 50mm, QUALITY LEVEL B HAS TOLERANCE OF +- 300mm HORIZONTAL AND +- 500mm VERTICAL AND QUALITY LEVEL D INDICATES THE PRESENCE OF A UTILITY ONLY WITH ITS LOCATION UNDEFINED. ADDITIONAL CONSULTATION MAY BE REQUIRED OR ADDITIONAL CLASHES MAY BE IDENTIFIED ONCE EXACT LOCATION OF UTILITIES IS KNOWN. LOCATION TO BE CONFIRMED ON SITE DURING CONSTRUCTION.												D																																			
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	<div style="display: flex; justify-content: space-between;"> <div style="width: 25%;"> <h3>SITE SAFETY NOTES</h3> <p>SS1. ALL CONSTRUCTION WORKS HAVE THE POTENTIAL FOR SAFETY RISKS TO PERSONNEL, PROPERTY AND EQUIPMENT. ALL PARTIES ARE REQUIRED TO CONSIDER, DOCUMENT AND EMPLOY APPROPRIATE WORK PLACE PROCEDURES FOR ALL ACTIVITIES.</p> <p>SS2. THE CONTRACTOR SHALL:</p> <ol style="list-style-type: none"> BE BOUND IN ACCORDANCE WITH THE CURRENT SAFE WORK AUSTRALIA ACT, REGULATIONS AND PRIORITY CODES OF PRACTICE STATE BY STATE. BE RESPONSIBLE FOR THE IMPLEMENTATION, DOCUMENTATION AND MAINTENANCE OF WORK SAFETY AND OTHER RELEVANT DOCUMENTATION AND ENSURE THAT ALL SUB-CONTRACTORS COMPLY. <p>THE CONTRACTOR SHOULD CONSULT WITH THE PRINCIPAL'S ENGINEER IF THERE IS ANY POTENTIAL PERCEIVED RISK. THE CONTRACTOR SHALL BE ALERT AND PROACTIVE TO:</p> <ol style="list-style-type: none"> IDENTIFY HAZARDS. APPLY MEASURES TO ELIMINATE OR MINIMISE RISKS ASSOCIATED WITH SUCH HAZARDS. <p>SS3. THE CONTRACTOR SHALL ENSURE:</p> <ol style="list-style-type: none"> SO FAR AS IS REASONABLY PRACTICABLE THAT THE CONSTRUCTION PHASE IS WITHOUT RISK TO THE HEALTH AND SAFETY OF PERSONS WHO ARE ENGAGED TO WORK ON THIS SITE OR ANY PERSON WHO MAY ENTER THIS SITE. ALL TRADES SHALL CONSIDER, DOCUMENT AND EMPLOY APPROPRIATE WORKSAFE PROCEDURES FOR ALL REQUIRED ACTIVITIES. <p>SPECIFIC ATTENTION SHALL BE GIVEN TO BUT NOT LIMITED TO ACTIVITIES INVOLVING:</p> <ol style="list-style-type: none"> SITE ESTABLISHMENT. DEMOLITION, RECYCLING AND REMOVAL. DEMOLITION WORKS WHERE SERVICES ARE EXPOSED. TEMPORARY WORKS. EXCAVATION AND TRENCHING UNSTABLE GROUND. GAS SERVICES. HAZARDOUS AND TOXIC WASTE. JACK HAMMERING NOISE AND DUST PROTECTION. WELDING-EYE PROTECTION. CONTAMINATED SOILS. CONSTRUCTION PROCESSES. CONFINED SPACES. TRIPS AND FALLS (GENERAL) UNSTABLE FOOTING. HIGH RISK WORK. ELECTRICAL-HIGH VOLTAGE CABLES. ASBESTOS OR ANY FIBROUS MATERIAL. WORKING AT HEIGHTS. MAINTENANCE AND REPAIR. REFURBISHMENT, RENOVATION AND EXTENSION. USE AS A WORK PLACE. WORKING NEXT TO LIVE TRAFFIC. <p>SS4. COMPLIANCE MANDATORY.</p> <p>THE CONTRACTOR AND ALL SUB-CONTRACTORS SHALL COMPLY WITH ALL APPLICABLE WORK HEALTH AND SAFETY LEGISLATION (ACTS, CODES OF PRACTICE, GUIDANCE NOTES) AND OTHER RELEVANT DOCUMENTATION.</p> <p>SS5. SITE INDUCTION REQUIRED.</p> <p>THE CONTRACTOR SHALL ENSURE THAT ALL PERMANENT AND CONTRACT WORKERS ENGAGED ON THIS SITE ARE FORMALLY INDUCTED AND AWARE OF ALL SITE SPECIFIC SAFETY REQUIREMENTS BEFORE ENTERING THE SITE. A SEPARATE LOG-IN / LOG-OUT REGISTER SHALL BE KEPT AT THE SITE OFFICE FOR ALL CASUAL VISITORS. THE CONTRACTOR SHALL ENSURE THAT ALL PERSONS WHO ENTER THE WORK ZONE ARE WEARING SUITABLE PROTECTIVE CLOTHING AND EQUIPMENT IN ACCORDANCE WITH SAFETY REQUIREMENTS.</p> <p>SS6. PUBLIC SAFETY.</p> <p>A LIVE SITE THAT IS WORKING OR UNATTENDED HAS A STRONG ATTRACTION TO THE PUBLIC IN GENERAL. THE CONTRACTOR IS REQUIRED TO TAKE ALL REASONABLE PRECAUTIONS TO PREVENT UNAUTHORISED PEOPLE ENTERING THE SITE. EXCAVATIONS, STRUCTURES AND ACCESS EQUIPMENT SHALL BE KEPT IN A SECURE MANNER AS IS REASONABLY PRACTICABLE TO PREVENT UNAUTHORISED PEOPLE INCLUDING CHILDREN FROM ENTERING, CLIMBING OR FALLING. THE SITE SHALL HAVE CLEAR WARNING SIGNS IN APPROPRIATE LOCATIONS E.G. "DANGER KEEP OUT" AND SECURELY BARRICADED AND WHEN UNATTENDED LEFT IN A LOCKED CONDITION AS IS REASONABLY PRACTICABLE.</p> <p>SS7. CURRENT LEGISLATION.</p> <p>CURRENT LEGISLATION REQUIRES THAT ALL PERSONS ARE TO CONSIDER THEIR ACTIONS OR LACK OF ACTION ON THE HEALTH AND SAFETY OF THEMSELVES AND OTHERS.</p> <p>SS8. RISK ASSESSMENT.</p> <p>THE COMMISSIONED CONTRACTOR AND ALL SUB-CONTRACTORS SHALL CARRY OUT RISK ASSESSMENTS FOR ALL OF THEIR ACTIVITIES AND WHERE NECESSARY INTRODUCE SUITABLE CONTROL MEASURES OR PROVIDE PROTECTIVE CLOTHING/ EQUIPMENT TO MINIMISE THOSE RISKS. THE SUB-CONTRACTOR SHALL PROVIDE COPIES OF THEIR RISK ASSESSMENT TO THE CONTRACTOR FOR APPROVAL.</p> </div> <div style="width: 25%;"> <h3>SITE SAFETY NOTES (CONT.)</h3> <p>SS9. SAFETY PRECAUTIONS.</p> <p>EXCAVATIONS FOR TRENCHES REQUIRED FOR INSTALLATION OF SERVICES SHALL BE IN ACCORDANCE WITH WORK HEALTH AND SAFETY CODE OF PRACTICE - SAFETY PRECAUTIONS IN TRENCHING OPERATIONS' AND ALL OTHER NECESSARY STATUTORY AUTHORITY REGULATIONS AND RECOMMENDATIONS.</p> <p>SS10. PERCEIVED RISKS.</p> <p>THE CONTRACTOR SHOULD CONSULT WITH THE PRINCIPAL'S ENGINEER IF THERE IS ANY PERCEIVED RISK WITH THE DESIGN OR WITH THE CONSTRUCTION OF THE DESIGN. THE CONTRACTOR SHOULD ENGAGE SUITABLY QUALIFIED ENGINEERS TO CERTIFY ALL TEMPORARY STRUCTURAL WORKS.</p> <h3>SAFETY IN DESIGN</h3> <p>SD1. THIS DESIGN IS IN ACCORDANCE WITH THE MODEL WORK HEALTH AND SAFETY (MHS) ACT AND SAFEWORK AUSTRALIA MODEL CODE OF PRACTICE - SAFE DESIGN OF STRUCTURES. THE PROJECT SPECIFIC HAZARDS IDENTIFIED BELOW ARE BASED ON EXPERIENCE ON SIMILAR PROJECTS AND DO NOT NECESSARILY ACCOUNT FOR ALL CONSTRUCTION, OPERATION, MAINTENANCE AND DEMOLITION SAFETY HAZARDS. THE HAZARDS LISTED BELOW ARE LIMITED TO HAZARDS THAT ARE NOT CONSIDERED LIKELY TO BE OBVIOUS TO A COMPETENT CONTRACTOR, ARE UNUSUAL, DIFFICULT TO MANAGE, OR NOT NORMALLY ENCOUNTERED ON PROJECTS OF A SIMILAR NATURE. BASED ON INFORMATION AVAILABLE TO THE DESIGNERS AT THE TIME OF DOCUMENTATION, THE DESIGNERS HAVE ATTEMPTED TO IDENTIFY SAFETY HAZARDS RELATING TO THE CONSTRUCTION, OPERATION, MAINTENANCE AND DEMOLITION PHASES OF THIS PROJECT. INCLUSION (OR NOT) OF ANY HAZARD DOES NOT REDUCE OR LIMIT THE OBLIGATIONS OF THE CONTRACTOR, USER, MAINTAINER OR DEMOLISHER TO UNDERTAKE APPROPRIATE SAFETY MANAGEMENT. THESE NOTES ARE NOT AN ADMISSION OF RESPONSIBILITY BY THE DESIGNERS FOR MANAGEMENT OF ANY SAFETY HAZARDS RELATING TO THIS PROJECT.</p> <p>SD2. DESIGN AND RISK MANAGEMENT.</p> <p>A RISK MANAGEMENT PROCESS HAS BEEN INTEGRATED INTO THE DESIGN PROCESS AS FOLLOWS:</p> <ol style="list-style-type: none"> IDENTIFICATION OF REASONABLY FORESEEABLE HAZARDS ASSOCIATED WITH THE DESIGN OF THE STRUCTURE. ASSESSMENT OF THE RISKS ARISING FROM SUCH HAZARDS - ELIMINATION OR MINIMISATION OF THE RISK BY DESIGNING CONTROL MEASURES. - REVIEW OF THE CONTROL MEASURES. IDENTIFICATION OF ANY RESIDUAL HAZARDS TO BE PASSED ONTO THE CONTRACTOR WITHIN THE DESIGN DOCUMENTATION OR SEPARATE SAFETY IN DESIGN DOCUMENTATION. THE CLIENT AND CONTRACTOR SHOULD ENSURE THAT ALL PROFESSIONAL DESIGN SERVICES ENGAGED FOR THIS CONTRACT SHALL COMPLY WITH THE SAFE WORK AUSTRALIA WORK HEALTH AND SAFETY ACT AND CODE OF PRACTICE. <p>SD3. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH TNSW QA SPECIFICATIONS. THIS DOCUMENT LISTS SOME DESIGN RELATED WORK HEALTH AND SAFETY HAZARDS ASSOCIATED WITH THE PROJECT DESIGN, CONSTRUCTION AND OPERATION. THERE MAY BE OTHER HAZARDS AND RISKS NOT STATED IN THIS DOCUMENT. THIS DOCUMENT DOES NOT RELIEVE THE CONTRACTOR OF ITS OBLIGATIONS UNDER THE CONTRACT AND RELEVANT LEGISLATION.</p> <p>SD4. HIGH RISK CONSTRUCTION.</p> <p>THE CONTRACTOR SHALL IDENTIFY AREAS OF CONSTRUCTION THAT MAY BE CONSIDERED HIGH RISK, AND IMPLEMENT SUFFICIENT SAFETY PROCEDURES FOR THESE TASKS. EXAMPLES OF HIGH RISK CONSTRUCTION INCLUDE, BUT ARE NOT LIMITED TO:</p> <p>WORK THAT INVOLVES:</p> <ol style="list-style-type: none"> ASBESTOS A RISK OF FALLING MORE THAN TWO (2) METRES OR IS CARRIED OUT ON A TELECOMMUNICATIONS TOWER BUILDING OR DEMOLITION WORK INVOLVING TILT-UP OR PRECAST CONCRETE, STRUCTURAL ALTERATIONS, OR REPAIRS TO A STRUCTURE THAT REQUIRES TEMPORARY SUPPORT TO PREVENT COLLAPSE THE DEMOLITION OF A LOAD BEARING PART OF A STRUCTURE OR THE DEMOLITION OF ANY PART OF A STRUCTURE THAT IS LIKELY TO AFFECT ITS PHYSICAL INTEGRITY. WORKING IN AREAS OF HIGH VOLTAGE ELECTRICAL CABLES. WORK CARRIED OUT IN, ON OR NEAR ANY: CONFINED SPACE SHAFT OR TRENCH WITH AN EXCAVATED DEPTH OF GREATER THAN 1.5m OR A TUNNEL PRESSURISED GAS DISTRIBUTION MAINS OR PIPING. CHEMICAL, FUEL OR REFRIGERANT LINES. AREAS WHERE THERE ARE ARTIFICIAL EXTREMES OF TEMPERATURE AREAS THAT MAY HAVE A CONTAMINATED OR FLAMMABLE ATMOSPHERE ROAD, RAILWAY, OR OTHER TRAFFIC CORRIDOR THAT IS IN USE BY TRAFFIC OTHER THAN PEDESTRIANS AREA AT A WORKPLACE IN WHICH THERE IS MOVEMENT OF POWERED MOBILE PLANT WATER OR OTHER LIQUID THAT INVOLVES A RISK OF DROWNING ADJACENT TO DEEP EXCAVATIONS ADJACENT TO HIGH RETAINING STRUCTURES </div> <div style="width: 25%;"> <h3>SAFETY IN DESIGN NOTES (CONT.)</h3> <p>r. ROAD, RAILWAY, SHIPPING LANE, OR OTHER TRAFFIC CORRIDOR THAT IS IN USE BY TRAFFIC OTHER THAN PEDESTRIANS</p> <p>s. AREA AT A WORKPLACE IN WHICH THERE IS MOVEMENT OF POWERED MOBILE PLANT</p> <p>t. WATER OR OTHER LIQUID THAT INVOLVES A RISK OF DROWNING</p> <p>u. ADJACENT TO DEEP EXCAVATIONS</p> <p>v. ADJACENT TO HIGH RETAINING STRUCTURES</p> <p>SD5.</p> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;">CAUTION</p> <p>THIS DRAWING IS BASED ON SURVEY THAT IS INCOMPLETE AND NOT VERIFIED. THE EXISTING SURFACE MAY VARY FROM THAT INDICATED AND SOME FEATURES MAY NOT BE SHOWN.</p> </div> <div style="border: 1px solid black; padding: 5px; margin: 10px 0;"> <p style="text-align: center;">WARNING</p> <p>BEWARE OF UNDERGROUND/OVERHEAD SERVICES THE LOCATIONS OF UNDERGROUND/OVERHEAD SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.</p> </div> <div style="text-align: center; margin: 10px 0;">  <p>BEFORE YOU DIG www.byda.com.au</p> </div> <p>SD6: BUILDING OPERATION AND MAINTENANCE.</p> <p>MUST BE CARRIED OUT IN ACCORDANCE WITH THE DESIGN INTENT OF THE BUILDING CODE OF AUSTRALIA AS APPLIES STATE BY STATE.</p> <p>OPERATION, CLEANING AND MAINTENANCE OF THE BUILDING MAY REQUIRE BUT NOT LIMITED TO ITEMS INVOLVING:</p> <ol style="list-style-type: none"> ACCESS USING WORK PLATFORMS, STEPS, FALL ARREST SYSTEMS AND LADDERS. WORKING AT HEIGHT. INCLUSION OF BMU IN ROOF LAYOUT. USE OF HAZARDOUS MATERIALS OR CHEMICALS. LIFTING OF MATERIALS. ACCESS AND WORKING IN CONFINED SPACES. SUFFICIENT WORK SPACE. OPERATION AND MAINTENANCE MANUALS. USE OF HEAVY EQUIPMENT. WORKING ON SMOOTH / SLIPPERY SURFACES. WORKING ADJACENT TO VEHICULAR / FORKLIFT TRAFFIC. WORKING NEAR TRAFFIC OR MOVING FREIGHT CARRIERS. <p>SD7. DESIGN OUT RISK.</p> <p>METHODS USED TO DESIGN OUT OCCUPATIONAL RISKS RELATED TO THE CONSTRUCTION, OCCUPATION OR DEMOLITION OF THIS STRUCTURE INCLUDE:</p> <ol style="list-style-type: none"> OFF-SITE PREFABRICATION OF CONSTRUCTION ELEMENTS. USE OF BOLTED STEEL SITE CONNECTIONS TO AVOID ON-SITE WELDING. <p>SD8. DECONSTRUCTION.</p> <p>AT THE END OF THE LIFE OF THIS STRUCTURE, ENGAGE SUITABLY QUALIFIED DEMOLITION ENGINEERS TO ASSIST WITH ITS DECONSTRUCTION.</p> <p>SD9. POST-CONSTRUCTION REVIEW.</p> <p>THE CONTRACTOR AND CLIENT SHALL PROVIDE FEEDBACK TO THE DESIGNERS AS FOLLOWS:</p> <ol style="list-style-type: none"> POST-OCCUPANCY EVALUATIONS DEFECT REPORTS ACCIDENT INVESTIGATION REPORTS INFORMATION REGARDING MODIFICATIONS USER DIFFICULTIES DEVIATIONS FROM INTENDED CONDITIONS OF USE </div> <div style="width: 25%;"> <h3>PROHIBITED MATERIALS AND MATERIALS TO BE AVOIDED NOTES</h3> <p>PM1. PROHIBITED MATERIALS VOC'S IN HIGH CONCENTRATION IN:</p> <ol style="list-style-type: none"> PAINTS ADHESIVES AND SEALANTS FORMALDEHYDES (EXCEEDING E1 OF EN 13986, 2001) IN COMPOSITE/ENGINEERED WOOD PRODUCTS. HIGH CONSERVATION VALUE TIMBER. - IS FOUND IN FORESTS WITH SPECIALLY HIGH ECOLOGICAL OR SOCIAL VALUE. THE TERM AROSE IN CONNECTION WITH THE DEVELOPMENT OF STANDARDS FOR THE CERTIFICATION OF FOREST MANAGEMENT BY THE FOREST STEWARDSHIP COUNCIL (FSC). TIMBER TREATED WITH ENVIRONMENTALLY DAMAGING CHEMICALS, SUCH AS COPPER, CHROMIUM AND ARSENIC (CCA) TREATMENT WHERE VOLUNTARY RESTRICTIONS ON SALE AND USE APPLY. HFC'S - ARE OZONE DEPLETING SUBSTANCES FOUND IN REFRIGERANTS AND AEROSOL PROPELLANTS. <p>ALREADY BANNED MATERIALS:</p> <ol style="list-style-type: none"> ASBESTOS PCBS (POLYCHLORINATED BIPHENYLS), AMONG THEIR APPLICATIONS ARE USED ON ELECTRIC UTILITY LINES, IN AIR CONDITIONERS, AND IN THE BALLAST OF FLUORESCENT LAMP FIXTURES. HEAVY METALS (LEAD, MERCURY, CADMIUM, CHROMIUM, COBALT, ANTIMONY) POLYCHLORINATED TRIPHENYLS (PCTS), SIMILAR TO PCBS CARBON TETRACHLORIDE (TCT), ARE OZONE DEPLETING SUBSTANCES FOUND IN REFRIGERANTS, AEROSOL PROPELLANTS, FIRE EXTINGUISHERS AND CLEANING FLUIDS. ORGANOTIN COMPOUNDS - FOUND IN PVC HEAT STABILIZERS, BIOCIDES, CATALYSTS, AGROCHEMICALS AND GLASS COATINGS. LINDANE/HEXACHLOROCYCLOHEXANE (HCH) - WAS FOUND IN INSECTICIDES. TITANIUM DIOXIDE MANUFACTURING WASTES - WASTE FROM MANUFACTURE OF PAINTS, VARNISHES, PLASTICS AND SUNSCREEN. *SPECIAL USAGE CASES ACCEPTED WHERE NO OTHER ALTERNATIVE IS AVAILABLE. <p>PM2. MATERIALS TO BE AVOIDED</p> <ol style="list-style-type: none"> POLYCHLOROPRENE (OR CHLOROPRENE RUBBER, NEOPRENE) IN GEO-MEMBRANES, WEATHER STRIPPING, EXPANSION JOINT FILLER, WATER SEALERS AND OTHER GASKET AND ADHESIVES. CHLORINATED POLYETHYLENE AND CHLORO-SULFINATED POLYETHYLENE IN GEO-MEMBRANES, WIRE AND CABLE JACKETING, ROOF MEMBRANES AND ELECTRICAL CONNECTORS. HFC WITH HIGH GWP IN HVAC REFRIGERANTS. VIRGIN AGGREGATES PORTLAND CEMENT <p>CONTAMINATION</p> <p>CT1. CONTAMINATION AREA</p> <div style="text-align: center; margin: 10px 0;">  <p>WHENEVER POSSIBLE, RISK IS DESIGNED OUT OF THE PROPOSAL DURING THE DESIGN PROCESS. WHERE THIS IS NOT POSSIBLE, THE RISK WILL BE MINIMIZED, AND HIGHLIGHTED IN THE WORK AND MATERIALS SPECIFICATION</p> </div> </div> </div>											

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NO	DESCRIPTION	DATE	BY	CHKD	APPD
00	APPROVED FOR CONSTRUCTION	ESM / 18.10.24	BK / 18.10.24	SH / 18.10.24	
8	CRITICAL DESIGN REVIEW - STAGE 3	ESM / 18.10.24	BK / 18.10.24	SH / 18.10.24	
9	PRELIMINARY DESIGN REVIEW - STAGE 2	JK / 28.06.24	BK / 28.06.24	SH / 28.06.24	
A	DESCRIPTION	DESIGNER	DESIGN DATE	VERIFIED	APPROVED
	CO-ORDINATE SYSTEM	IMGA 94	HEIGHT DATUM	AHD	SCALE




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SYDNEY METRO CITY & SOUTHWEST
BANKSTOWN LINE - 5.90km TO 18.60km
D&O OF ERRANT AND HVM TREATMENTS
PK6921 ILLAWARRA ROAD OVERBRIDGE
GENERAL NOTES

FILE NO: _____ SHEET: 9 OF 9 AT

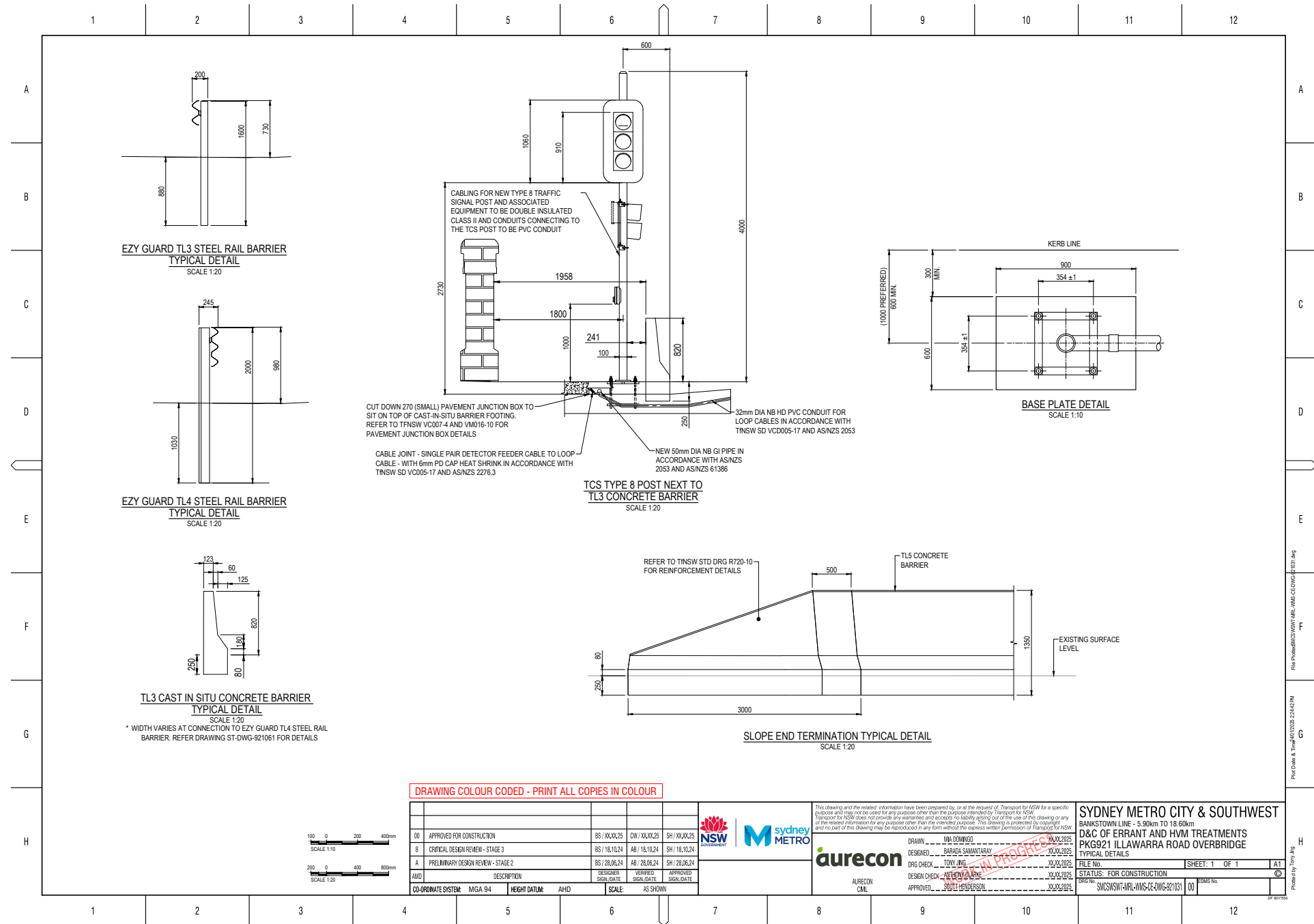
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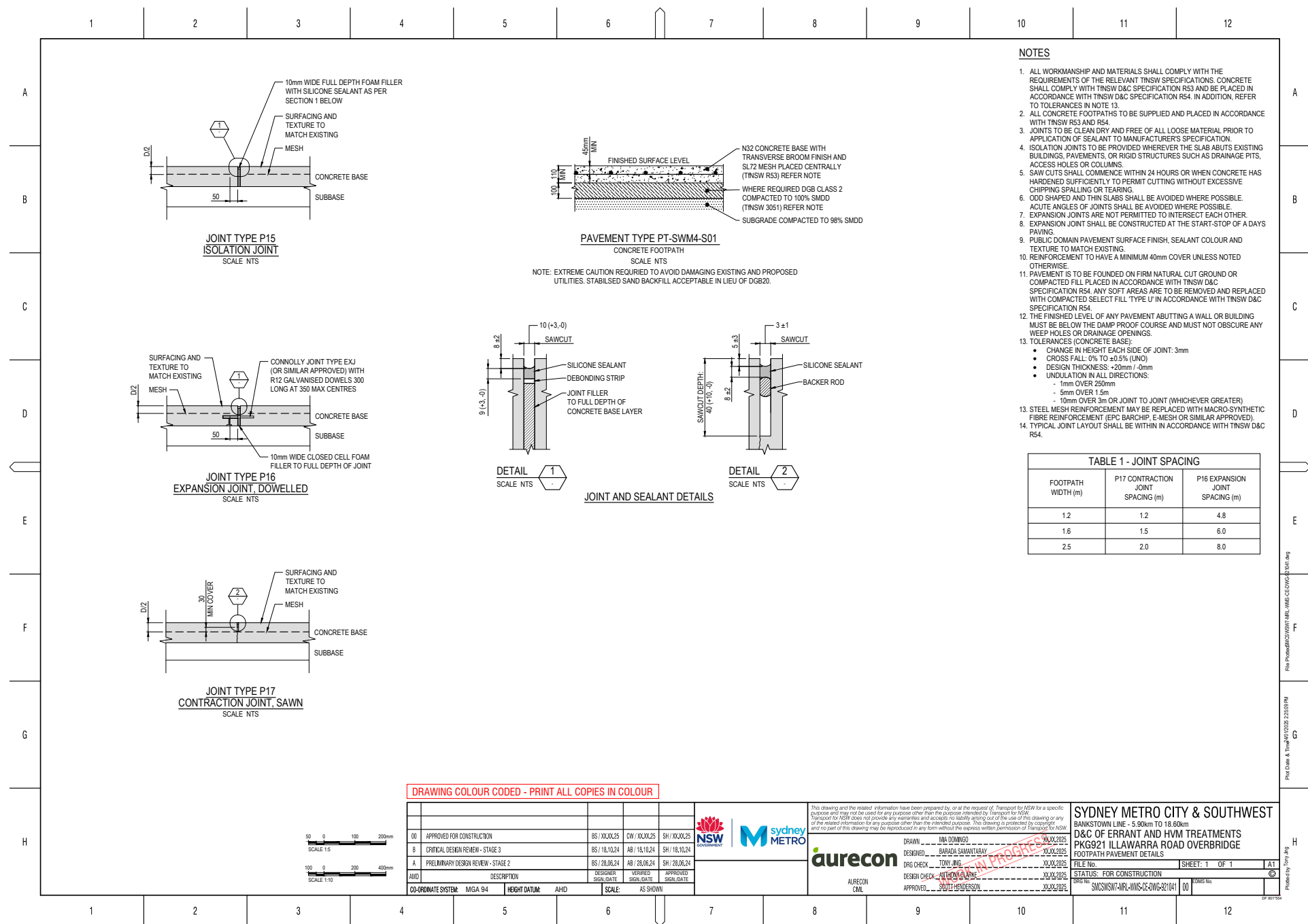
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DESIGNED BY: _____

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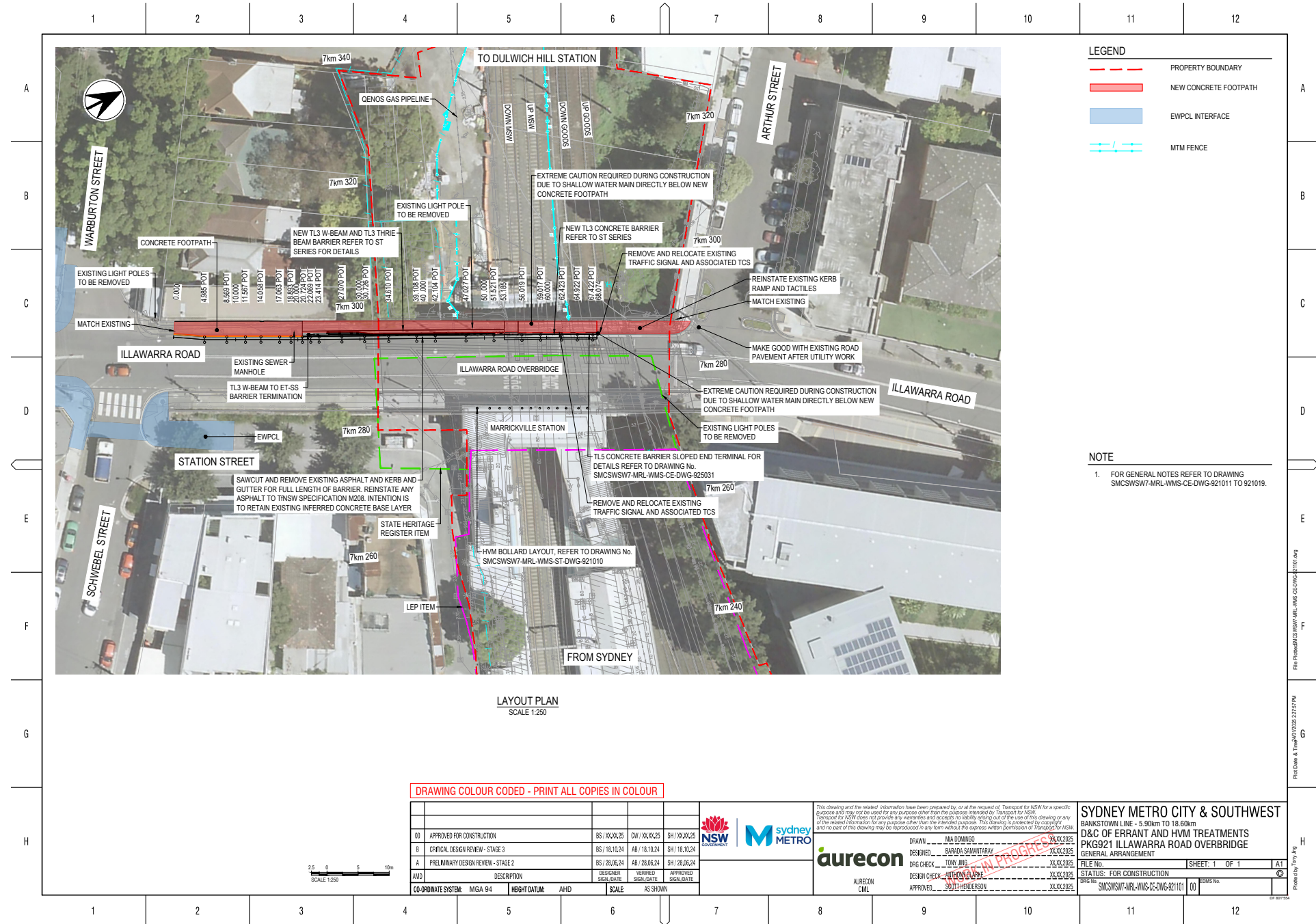
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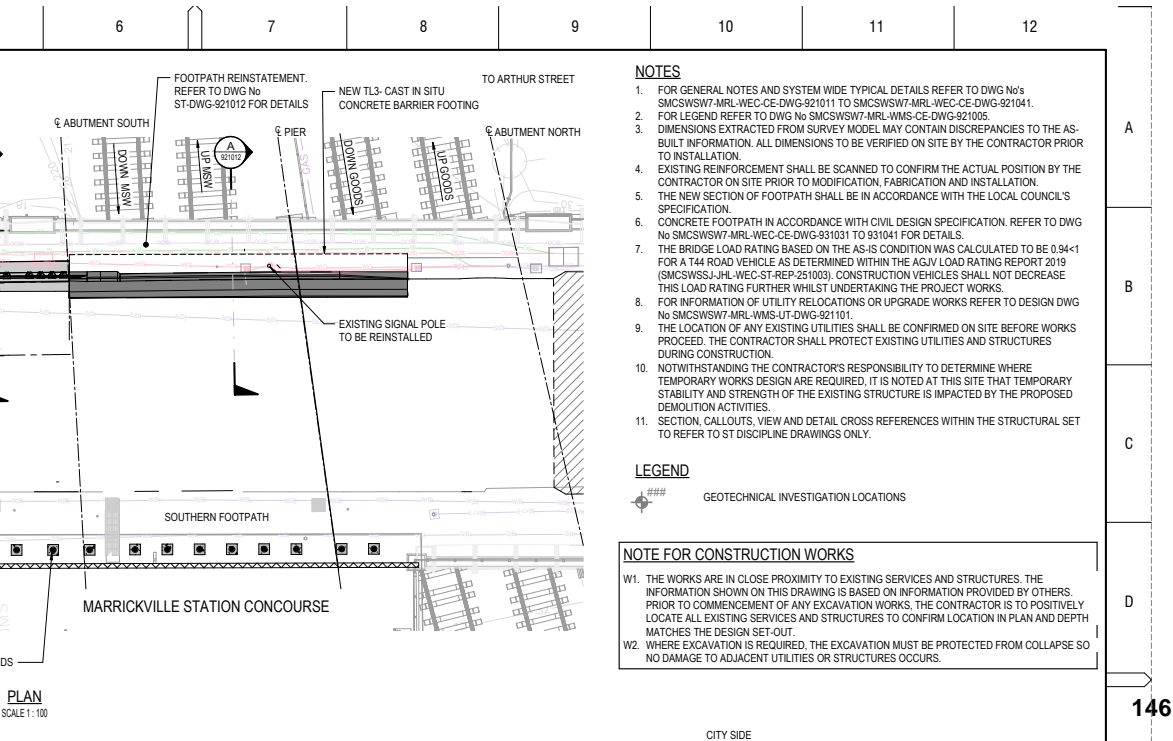


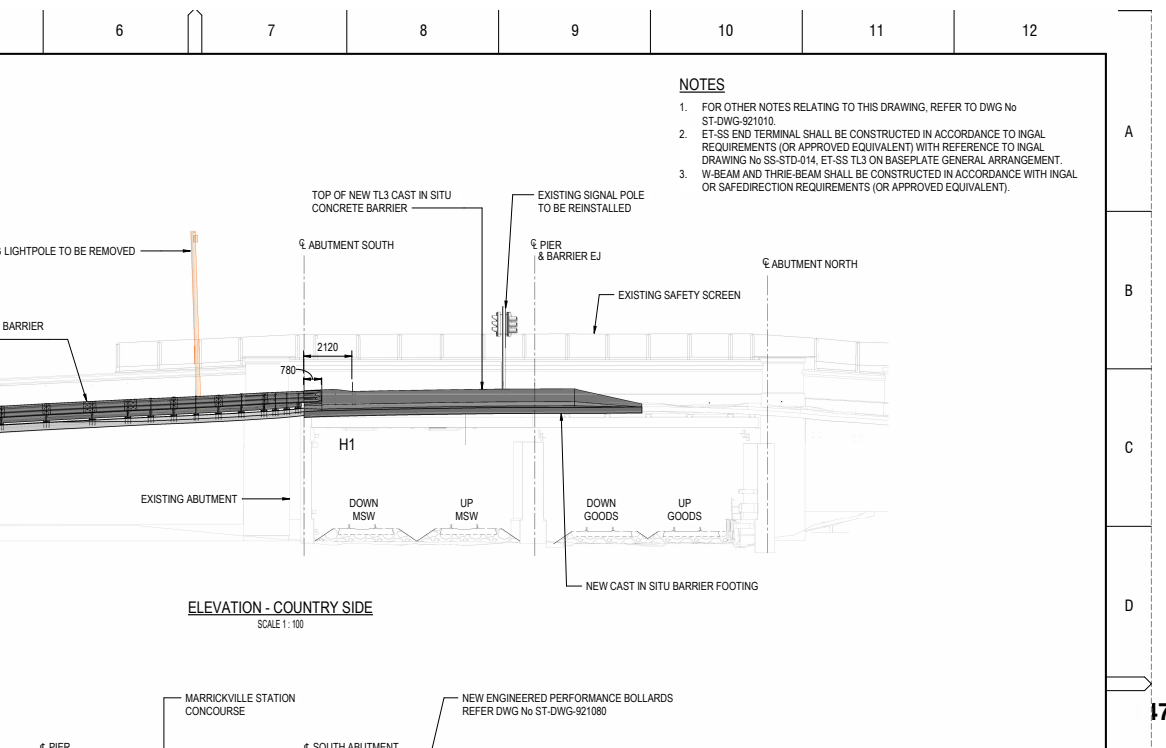


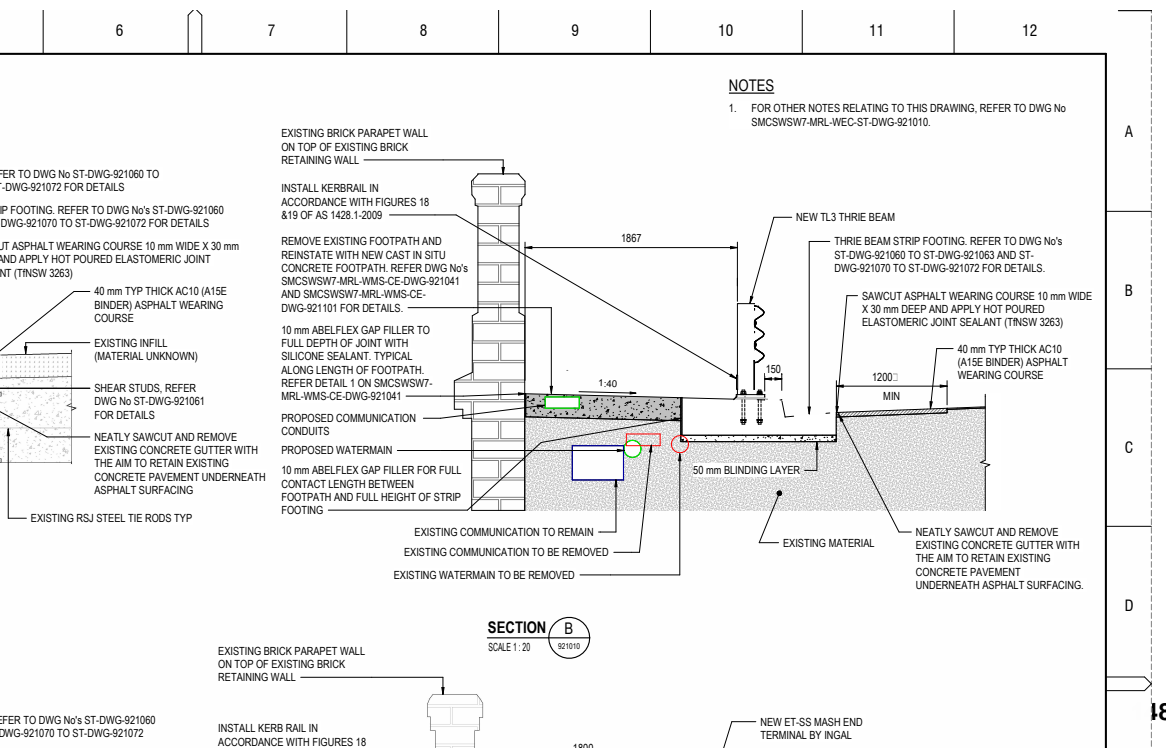
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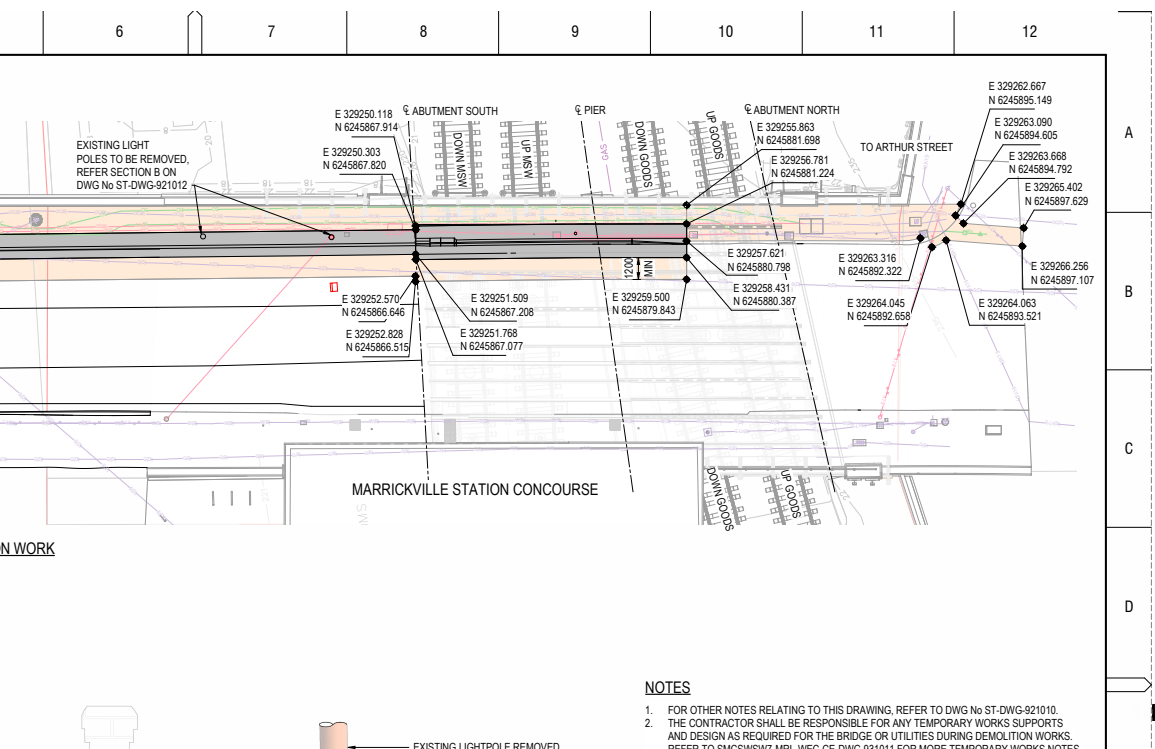
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ALIGNMENT NAME: CI - 006							
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CC	320256.625	6244439.759			STRAIGHT	3.584	26°44'20.924"
HIP	8.569	329231.576	6245827.289	12.254			231°35'38.235"
					STRAIGHT	2.998	26°45'47.075"
HIP	11.567	329232.926	6245829.966	12.372			231°35'38.236"
CC	320260.936	6244432.968			STRAIGHT	2.492	26°45'47.075"
HIP	14.058	329234.048	6245832.191	12.466			228°35'35.272"
					STRAIGHT	3.005	27°04'13.185"
HIP	17.063	329235.415	6245834.866	12.590			181°09'50.471"
					STRAIGHT	1.830	27°01'16.979"
HIP	18.893	329236.247	6245836.497	12.667			
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HIP	23.414	329238.277	6245840.536	12.853			
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HIP	27.070	329239.902	6245843.810	13.018			
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HIP	30.726	329241.528	6245847.085	13.174			
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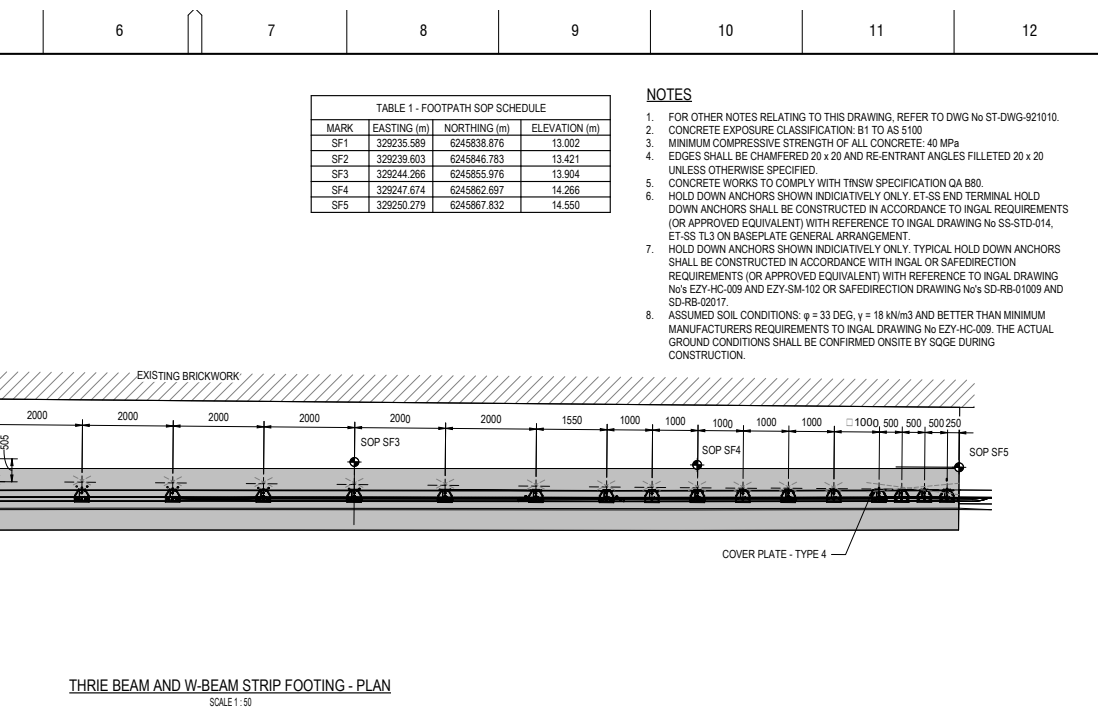




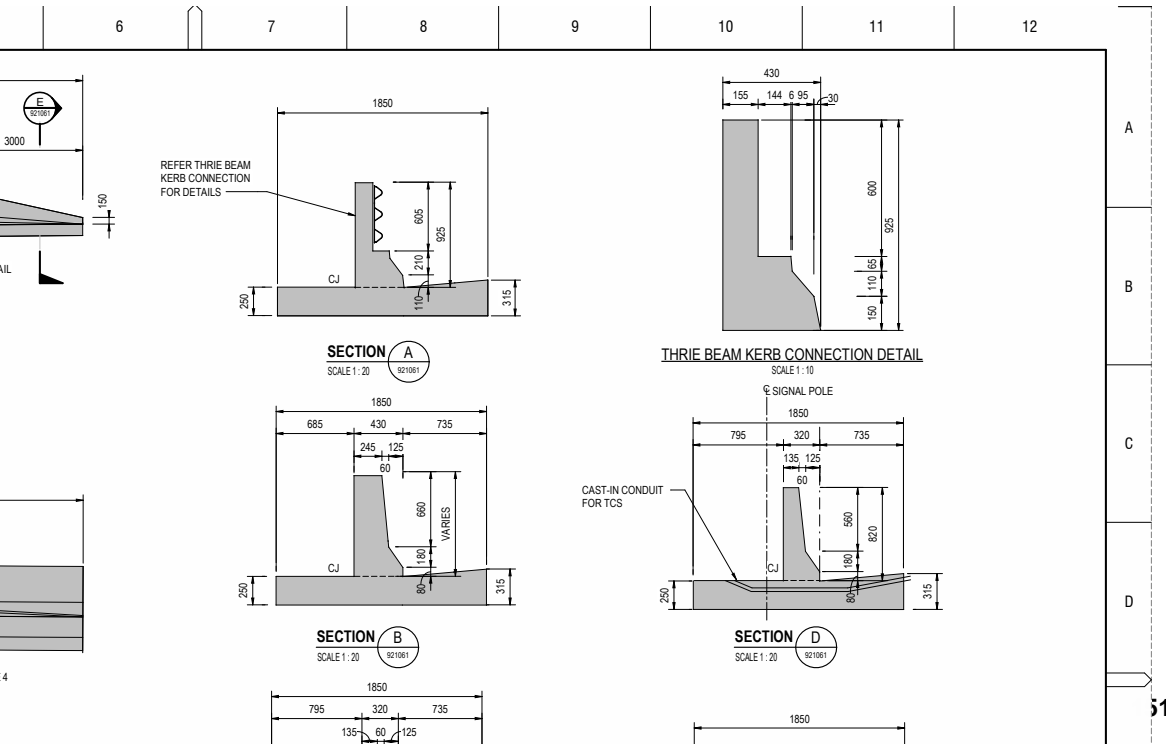


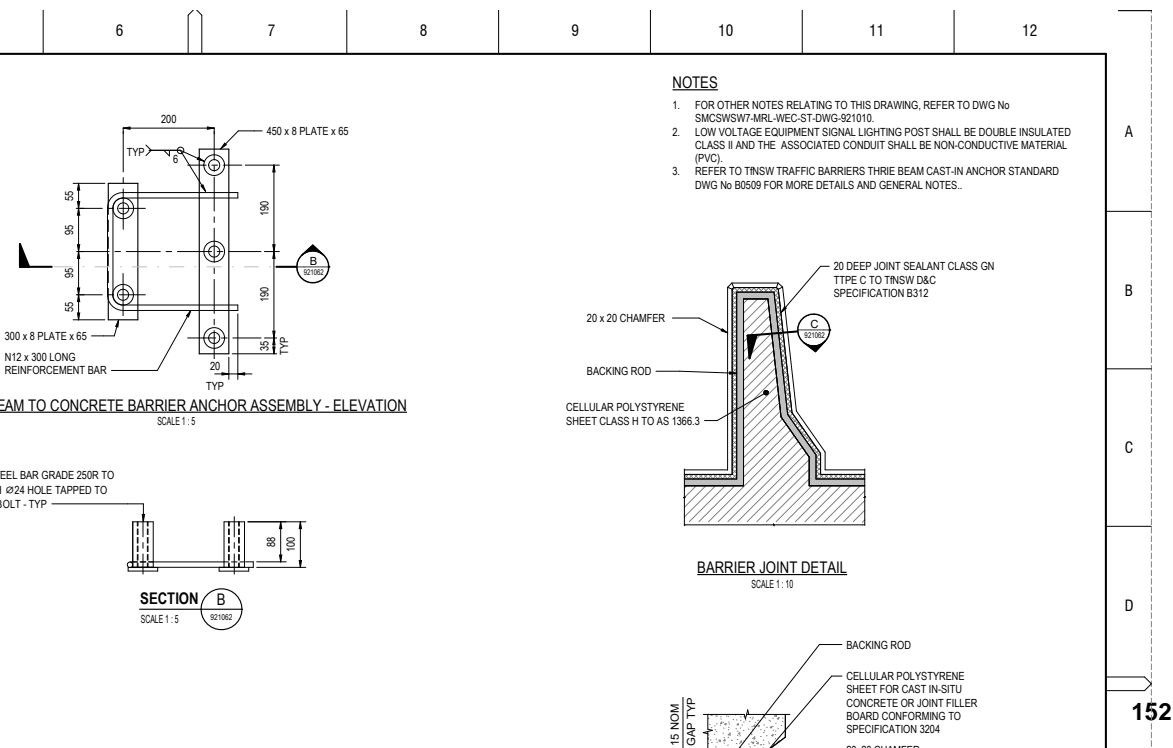


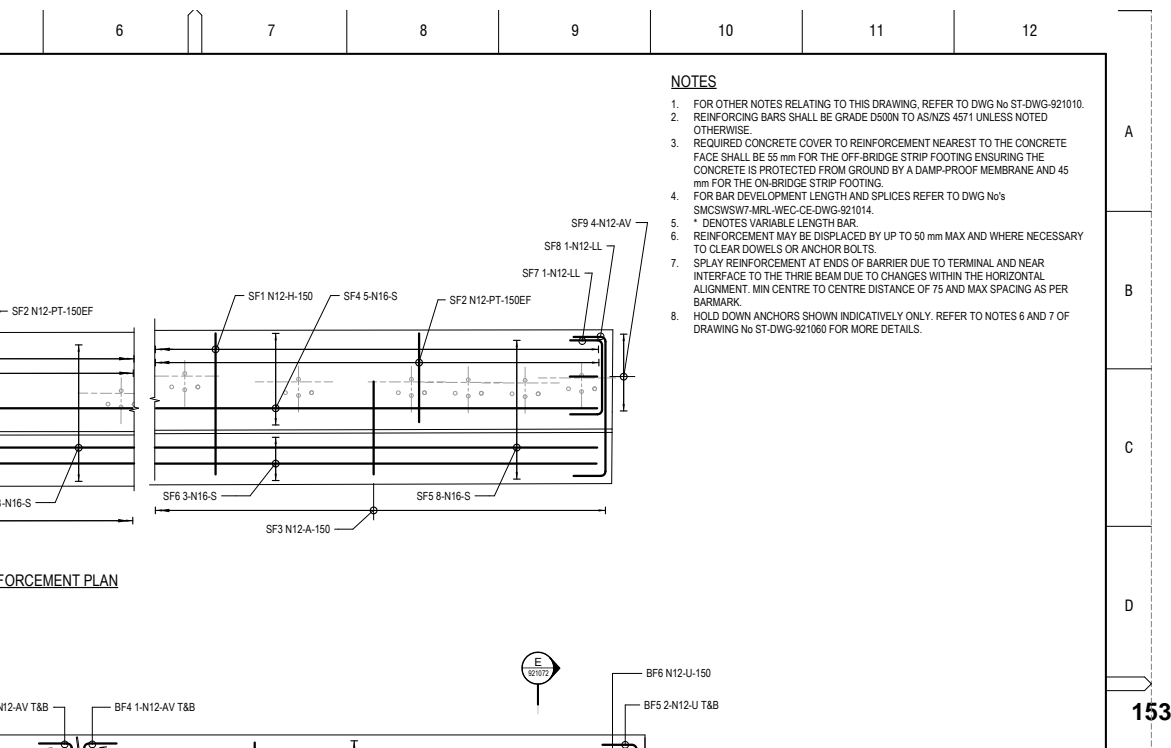


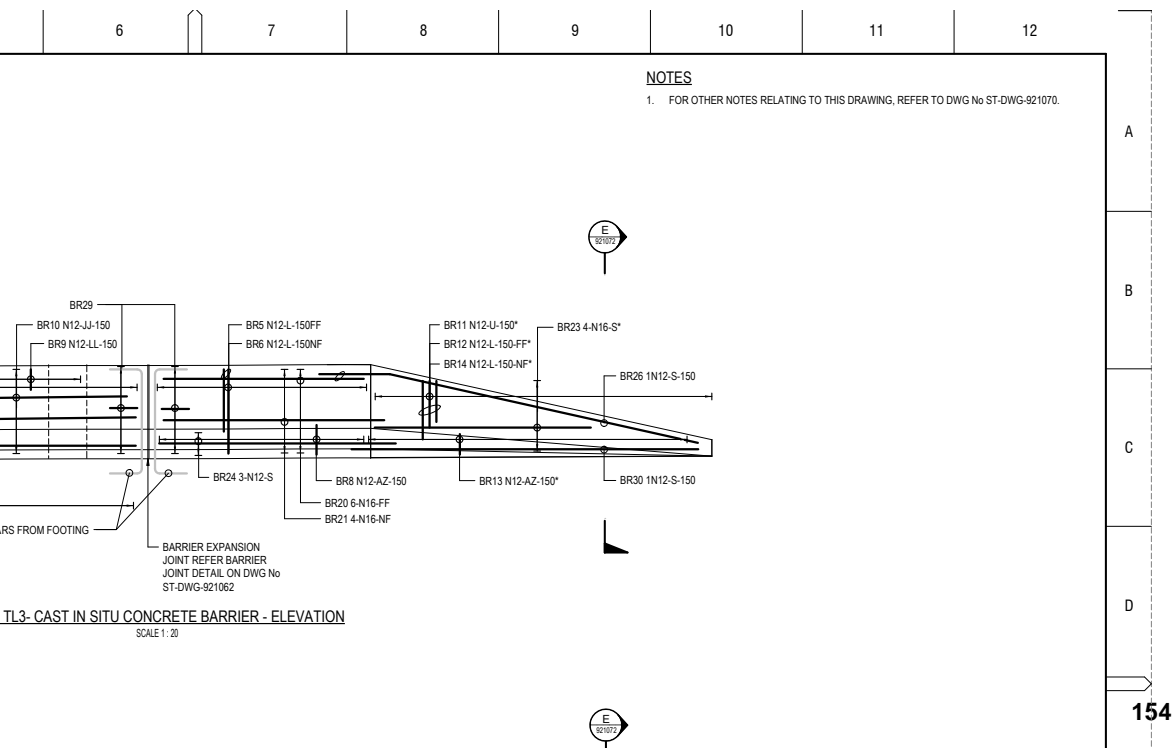


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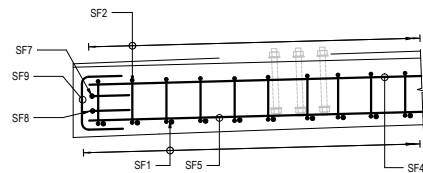
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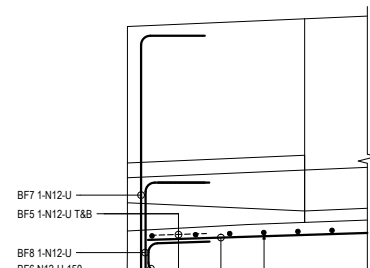
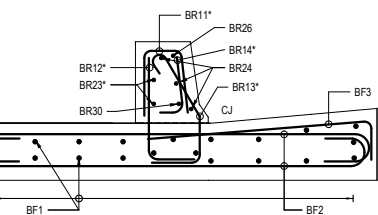
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NOTES

1. FOR OTHER NOTES RELATING TO THIS DRAWING, REFER TO DWG No ST-DWG-921070.



SECTION G
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921070

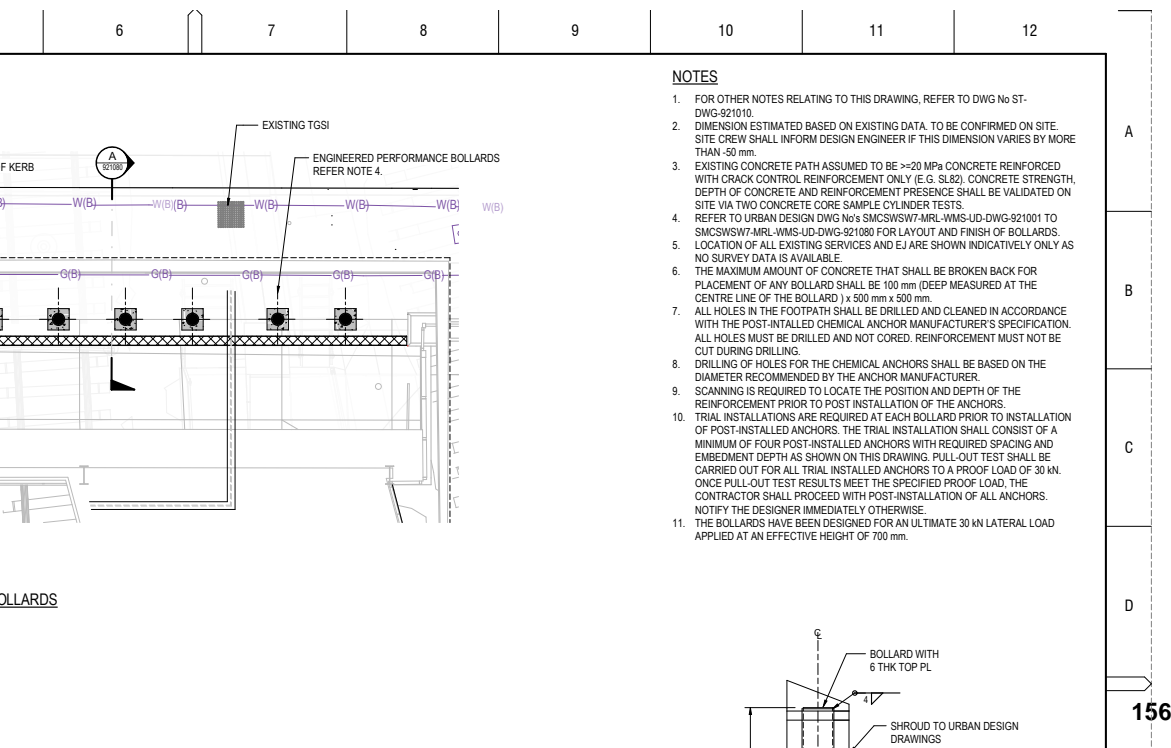


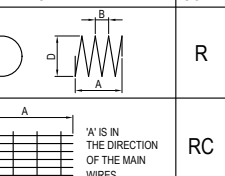
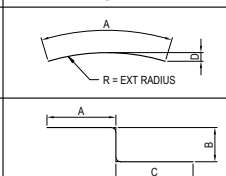
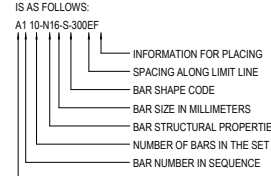
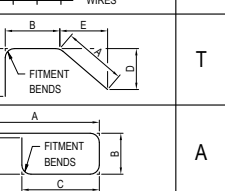
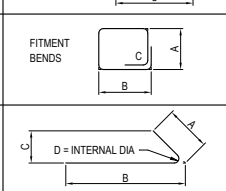
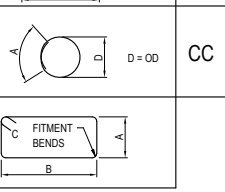
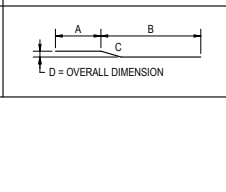
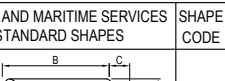
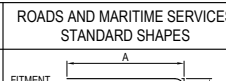
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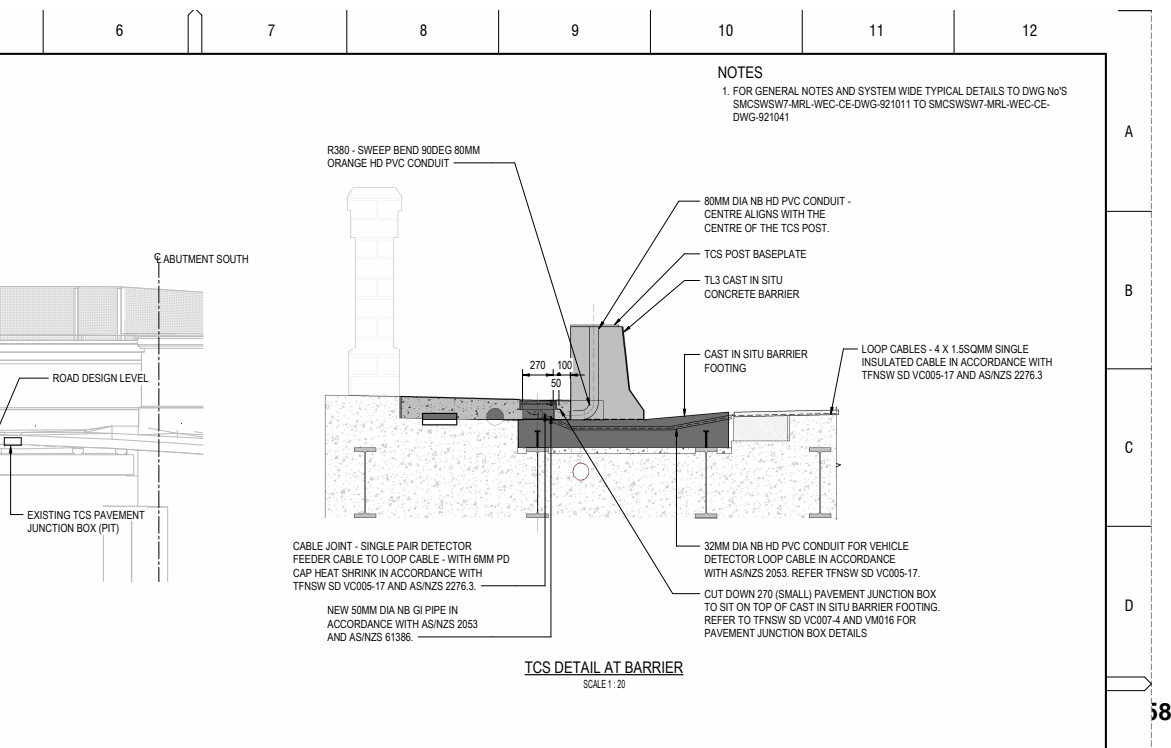
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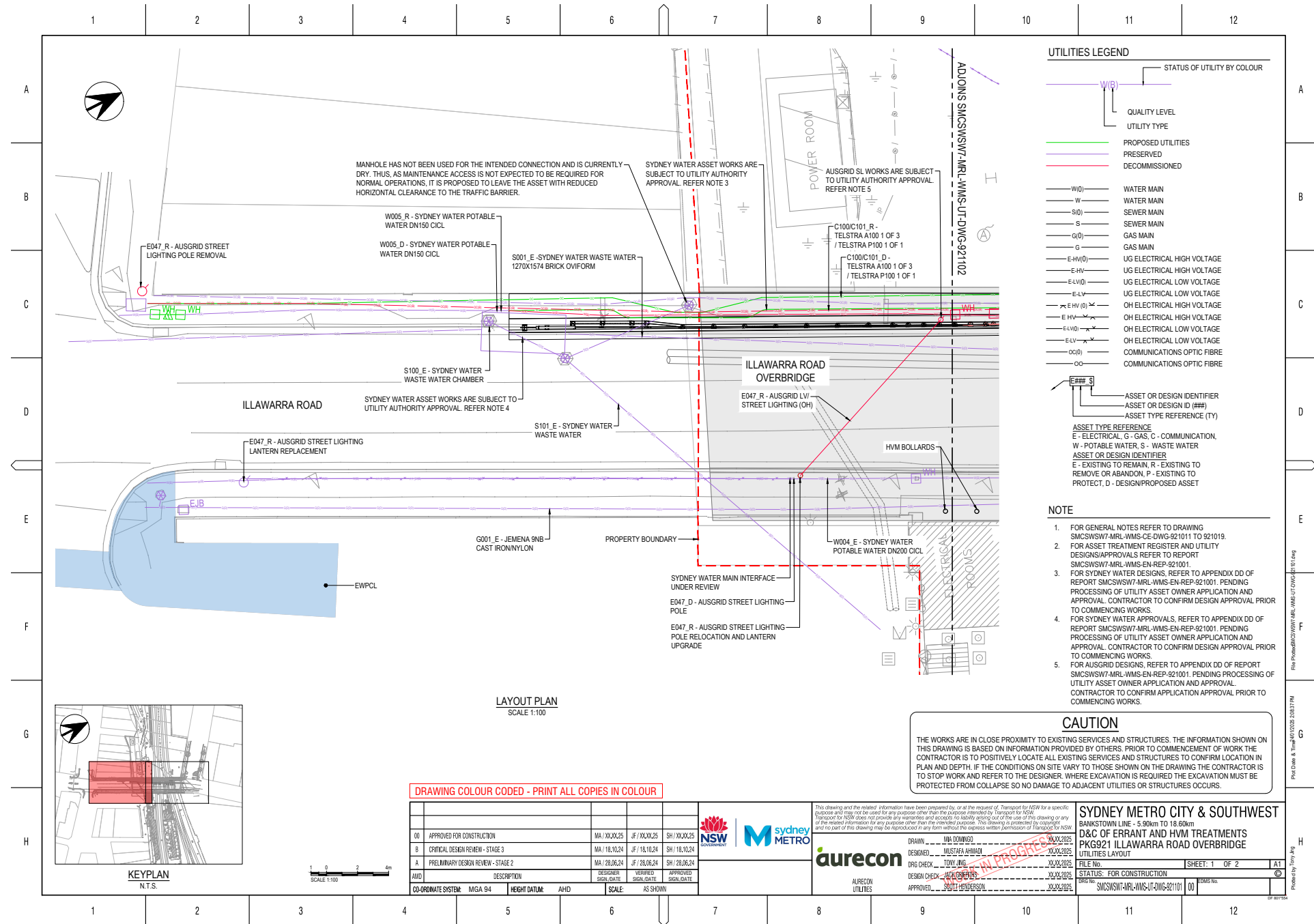
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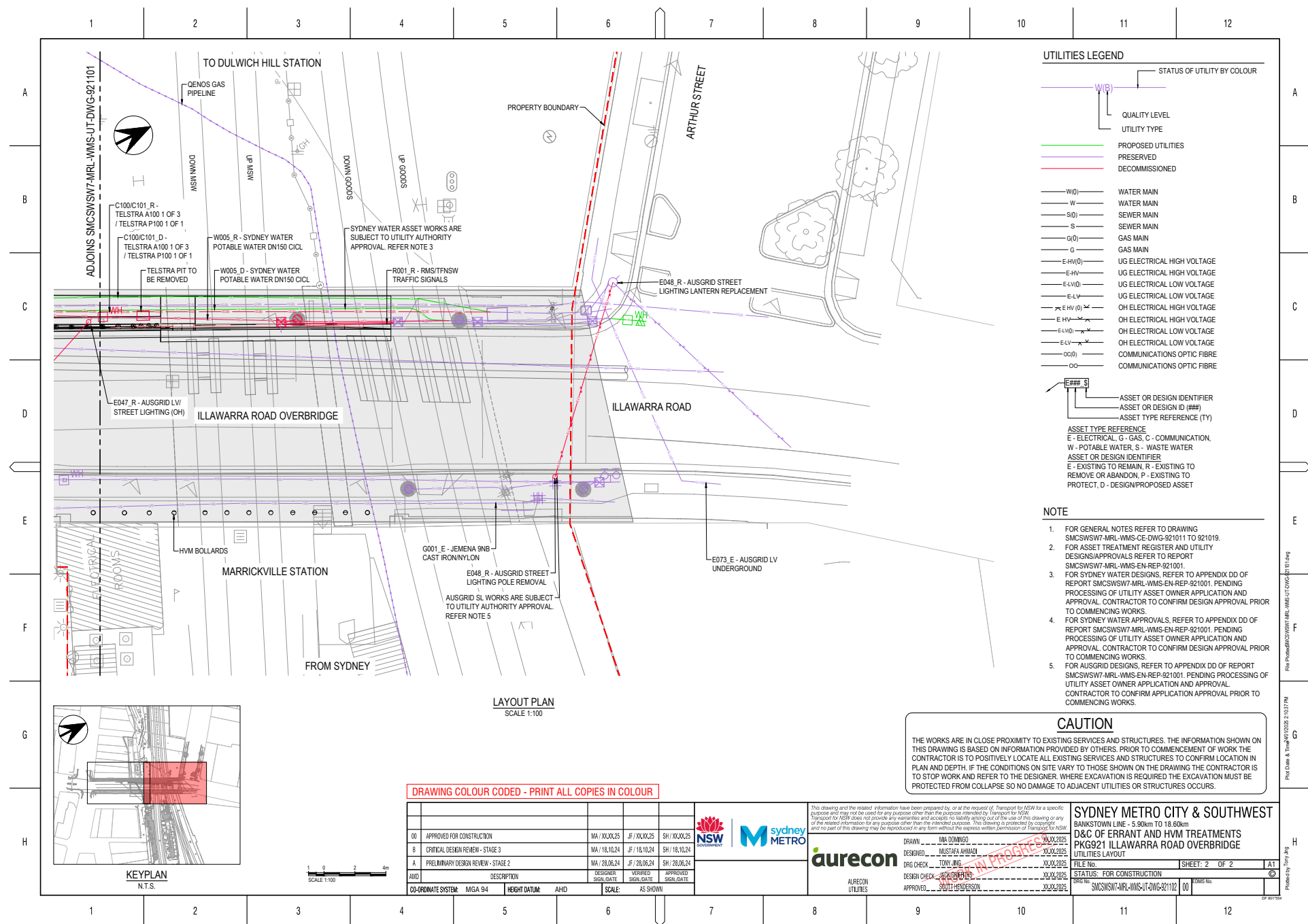
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Item No: LTC0225(1) Item 4
Subject: 182-189 VICTORIA ROAD AND 28-30 FAVERSHAM STREET,
MARRICKVILLE (WICKS PARK) - TRAFFIC INTERSECTION
ASSESSMENT (MIDJUBURI-MARRICKVILLE WARD/SUMMER HILL
ELECTORATE/INNER WEST PAC)
Prepared By: James Nguyen - Traffic Engineer
Authorised By: Manod Wickramasinghe - Traffic and Transport Planning Manager

RECOMMENDATION

That no further right turn restrictions outside the current morning peak period (7am-9.30am Mon-Fri) be implemented from Victoria Road into the private road at Wicks Place.

STRATEGIC OBJECTIVE

This report supports the following strategic directions contained within Council's Community Strategic Plan:

2: Liveable, connected neighbourhoods and transport

EXECUTIVE SUMMARY

This report outlines the traffic intersection assessment at Victoria Road and the private access road of Wicks Place, Marrickville. The assessment found low right turning volumes and low levels of queuing at this intersection and no further right turn restrictions are necessary at this stage.

BACKGROUND

A notice of motion (Item:C024(2) Item 27 Notice of Motion: Wicks Park) was raised at the Ordinary Council Meeting on 25 June 2024 requesting for the assessment of the right turn movement from Victoria Road into the Wicks Place development to determine if this movement is causing significant congestion and safety issues on Victoria and Sydenham Roads, and whether a right turn restriction is necessary.

DISCUSSION

The right turn movement from Victoria Road into the private road of Wicks Place is restricted during the morning peak period and signposted as 'No Right Turn 7am-9.30am Mon-Fri'. Council officer's commissioned an intersection count to assess peak right turn volumes outside the restricted hours to assess the intersection performance. The intersection counts were completed during the following peak periods:

- Wednesday 18 September 2024, 11am-1pm and 4pm-6pm
- Saturday 21 September 2024, 11am-1pm

The results are presented in Table 1 below:

Table 1 – Traffic intersection counts (right turn movements)

Day	Time	Right turn movements (total vehicles)
Wednesday 18 September 2024	12noon-1pm	7
Wednesday 18 September 2024	4.30pm-5.30pm	17
Saturday 21 September 2024	12noon-1pm	9

Council officer's subsequently prepared a SIDRA model to assess the level of queuing with these right turn volumes. The results are provided below:

Table 2 - SIDRA results - Queuing assessment

Day	Time	Right turn movements (total vehicles)	Vehicle Queue – average (no. of vehicles)	Vehicle Queue – 95 th percentile (no. of vehicles)
Wednesday 18 September 2024	12noon-1pm	7	0.0	0.1
Wednesday 18 September 2024	4.30pm-5.30pm	17	0.1	0.3
Saturday 21 September 2024	12noon-1pm	9	0.0	1

Table 2 above uses a 4.5 second critical gap, and a 3 second follow-up headway. The results from the SIDRA model were assessed further and calibrated with a site inspection.

Council officer's completed an evening peak hour site inspection on 4 December 2024 between 4.30pm to 5.30pm to assess queuing on-site. For the one (1) hour period, there were 11 right turning vehicles. The queues for each right turning instance is recorded below in Table 3 and the frequencies of queuing are presented in Table 4.

Table 3 - On-site queuing assessment results

Instance (right turn)	No. of queued vehicles before turn
1	6
2	0
3	0
4	0

5	2
6	0
7	4
8	5
9	0
10	1
11	0

Table 4 - Summary of on-site queuing results

No. of queued vehicles	Frequency
0	6
1	1
2	1
3	0
4	1
5	1
6	1

Table 5 - Site observations – Queuing assessment

Day	Time	Right turn movements (total vehicles)	Vehicle Queue – average (no. of vehicles)	Vehicle Queue – 95 th percentile (no. of vehicles)
Wednesday 4 December 2024	4.30pm-5.30pm	11	1.57	5.5

Based on Tables 3 and 4, the site visit completed recorded an average of 1.57 vehicles queued per instance, with most right turns recording no vehicles queuing (6 instances). The 95th percentile queue is approximately 5.5 vehicles. This is shown in Table 5 above.

Site observations recorded more conservative queuing results compared to the SIDRA model. Both the SIDRA model and site observations suggest there is no significant queuing caused by the right turn from Victoria Road into Wicks Place. This is likely due to the low number of vehicles, and opposing traffic flow arriving in 'bunches' which allows for large gaps that was observed on-site. Larger queuing instances occur, when a right turning vehicle arrives at the start of the bunching of the opposing traffic flow as per instances 1, 7 and 8 in Table 3.

Accordingly, based on these results, no further right turn restrictions from Victoria Road to Wick Place is necessary at this stage.

FINANCIAL IMPLICATIONS

There are no financial implications associated with the implementation of the proposed recommendations outlined in the report.

ATTACHMENTS

Nil.

Item No: LTC0225(1) Item 5

Subject: ALBERMARLE STREET, MARRICKVILLE – TEMPORARY FULL ROAD CLOSURE OF RAIL OVERBRIDGE SOUTH OF CHALLIS STREET - SYDNEY METRO SWM4 WORKS CTMP (MIDJUBURI-MARRICKVILLE WARD / SUMMER HILL ELECTORATE / INNER WEST PAC)

Prepared By: Jennifer Adams - Traffic Engineer

Authorised By: Manod Wickramasinghe - Traffic and Transport Planning Manager

RECOMMENDATION

That the proposed temporary full road closure of Albermarle Street (between Challis Avenue and Kays Avenue East), Marrickville for a 56-hour period in alignment with Rail Possession occurring from Friday, 28th March to Monday, 31st March.2025 (contingency period of two weeks) be approved, in order to carry out errant and hostile vehicle mitigation works on the Rail Overbridge subject to, but not limited to, the following conditions:

1. A Road Occupancy License be obtained by the applicant from the Transport Management Centre;
2. All affected residents and businesses, including the NSW Police Local Area Commander, Fire & Rescue NSW and the NSW Ambulance Services be notified in writing, by the applicant, of the proposed temporary road closure at least 7 days in advance of the closure with the applicant making reasonable provision for stakeholders; and
3. The occupation of the road carriageway must not occur until the road has been physically closed.

STRATEGIC OBJECTIVE

This report supports the following strategic directions contained within Council's Community Strategic Plan:

- 2: Liveable, connected neighbourhoods and transport

EXECUTIVE SUMMARY

An application has been received from Martinus on behalf of Sydney Metro (SWM4) for the temporary full road closure of the rail over bridge on Albermarle Street just south of Challis Avenue, Marrickville for a 56-hour period in alignment with Rail Possession Weekend 39, occurring from Friday 28th March to Monday 31st March.2025. It is recommended that the proposed temporary full road closure be approved, subject to the conditions outlined in this report.

BACKGROUND

The Southwest Metro works will convert and upgrade the existing T3 Bankstown Line between Sydenham station to Bankstown station to metro standards. To meet the test level safety standards for metro operations, the Southwest Metro project requires the delivery of safety critical works to secure critical points from errant and hostile vehicles at station overbridges, non-station overbridges and non-bridge locations along the Southwest Metro rail corridor.

The scope of this Errant and Hostile Vehicle Project includes the installation of anti-throw screens, concrete bollards, and rail barriers along the alignment, as well as other associated works where required. Works on the Albermarle Street overbridge require a temporary full road closure of Albermarle Street (between Challis Avenue and Kays Avenue East), Marrickville. The overbridge will be closed to all vehicles and pedestrians. Detours will be in place for the full duration of the closure. Traffic controllers will be on-site and traffic movements will be managed in accordance with the attached CTMP. A crane will be in use to lift beams into place.

OFFICER COMMENTS

Albermarle Street, between Challis Avenue and Kays Avenue East, carries around 1,600 vehicles per day. At the railway overbridge the width of the road is approximately 5.7 metres in width. It is noted that the full road closure will divert traffic to either Wardell Road in the west or Livingstone Road in the west.



Scope of works

Off structure beams will be installed on the overbridge using a crane. The crane will be located on the Challis Avenue (north) side of the bridge.

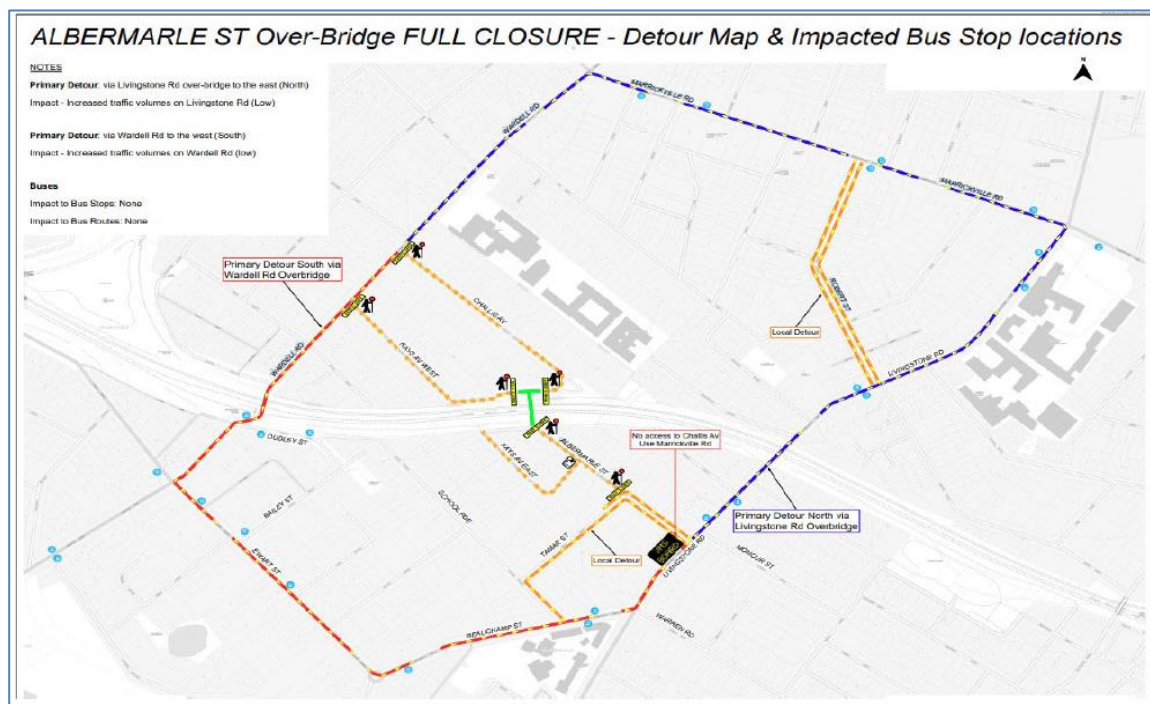
A section of the cu de sac along Challis Avenue, adjacent to house number 35-37 to 41 A, will be occupied and designated as a temporary laydown area from Friday dayshift to Monday morning. Crane and material deliveries will utilise Challis Avenue Street, and workers will have pedestrian access to the site.

Delivery vehicles will use Challis Avenue to access the drop-off area. Freight vehicles will travel north along Wardell Road and make a right turn at its intersection. Additionally, small construction vehicles will require access via Albermarle Street as an alternative route, particularly once the work zone is established and obstructed by materials and equipment on the bridge.



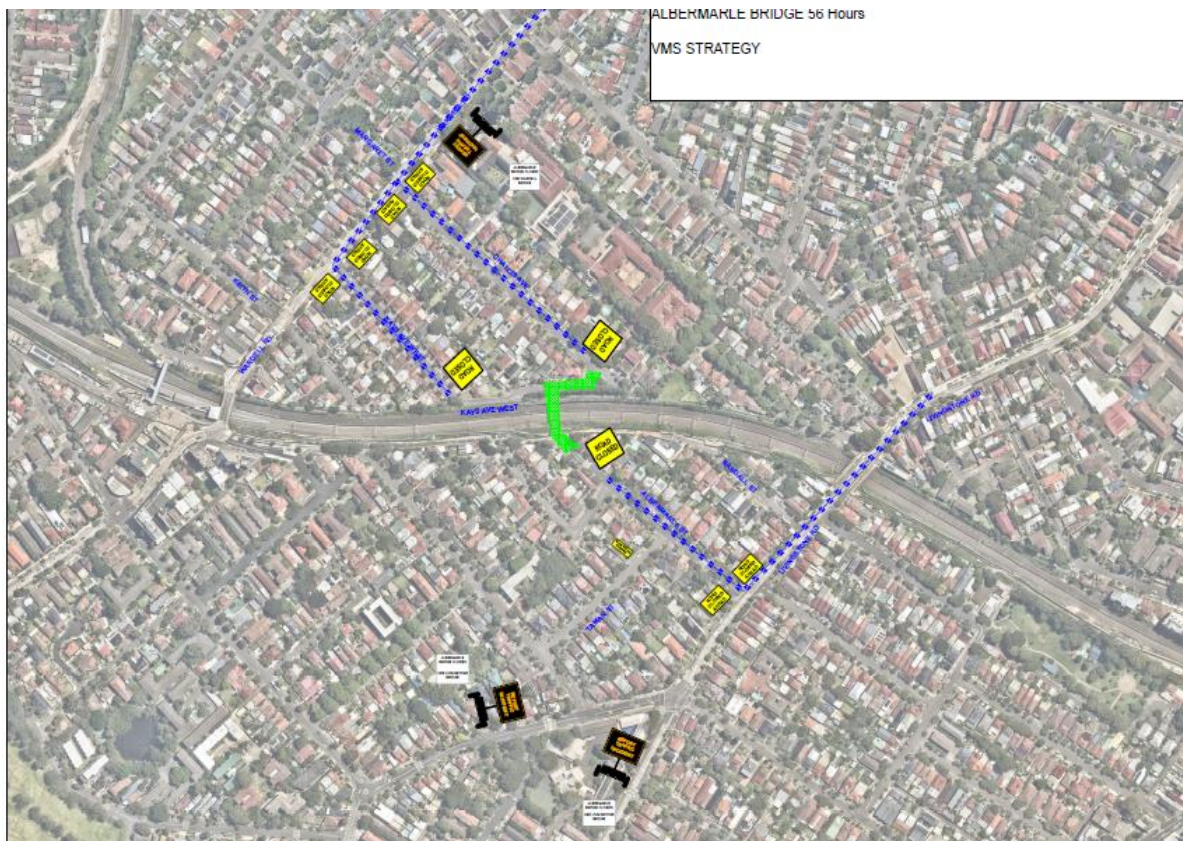
Construction Traffic Management Plan (CTMP)

The overbridge will be closed to all vehicles and pedestrians and detours will be in place for the full duration of the closure. Vehicles detoured will be required to use either Wardell Road or Livingstone Road. No bus route will be impacted by the closure.



Traffic controllers will be on site and supplied TGSs are reproduced below. A copy of the CTMP is attached at the end of this report. VMS boards will be used.





FINANCIAL IMPLICATIONS

There are no financial implications associated with the implementation of the proposed recommendations outlined in the report.

PUBLIC CONSULTATION

The proposed road closure has been advertised on Council's website in accordance with the *Roads Act 1993*.

The applicant is to notify all affected residents and businesses in writing at least 7 days prior to the commencement of works.

CONCLUSION

It is recommended that the proposed temporary full road closure be approved, subject to but not limited to the conditions and recommendations outlined in this report.

ATTACHMENTS

1. [Download](#) SMCSWSW7-MRL-WEC-TF-PLN-000960 Albermarle CTMP



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MARTINUS



ALBERMARLE STREET 56 HOURS CLOSURE TRAFFIC MANAGEMENT PLAN

Sydney Metro SWM4

Design and Construction of
Errant and Hostile Vehicle
Mitigation Treatments for the
Southwest Metro Project



CONTRACT NUMBER: CI-1136000

PROJECT DOCUMENT NUMBER:

Item 5

Attachment 1

Document Control

DOCUMENT TITLE:	Albermarle Street 56 Hours Closure Traffic Management Plan		
DOCUMENT OWNER:	Carlos Hood		
PREPARED BY:	Carlos Hood	TITLE:	Traffic Coordinator
SIGNATURE:			DATE: 30/01/2025
REVIEWED BY:	Billy Kung	TITLE:	Traffic Manager
SIGNATURE:			DATE: 30/01/2025

Approved by

NAME	TITLE	SIGNATURE	DATE
Luis Barroso	Construction Manager		30/01/2025

Revision History

REVISION	REVISION DATE	AMENDMENT	DATE TO CLIENT
A	30 January 2025		30/01/2025

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**SYDNEY METRO SWM4
ALBERMARLE STREET 56 HOURS CLOSURE TRAFFIC MANAGEMENT PLAN**



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GLOSSARY

Specific terms, abbreviations and acronyms used throughout this plan are listed and described below:

Table 1: Terms, Abbreviations & Acronyms

TERM	DESCRIPTION
RMS	Roads and Maritime Services
TfNSW	Transport for New South Wales
MR	Martinus
ROL	Road Occupancy Licence
SZA	Speed Zone Authorisation
TGS	Traffic Guidance Scheme
TCWS	RMS Traffic Control at Work Sites Manual
CJM	Customer Journey Management
CJP	Customer Journey Planning
TMP/ SSTMP	Site Specific Traffic Management Plan
VMP	Vehicle Movement Plan
VMS	Variable Message Signs
AAWT	Annual Average Weekday Traffic
NHVR	National Heavy Vehicle Regulator
WB	Westbound
EB	Eastbound
NB	Northbound
SB	Southbound

1 INTRODUCTION

1.1 Overview

The Southwest Metro works will convert and upgrade the existing T3 Bankstown Line between Sydenham station to Bankstown station to metro standards. To meet the test level safety standards for metro operations, the Southwest Metro project requires the delivery of safety critical works to secure critical points from errant and hostile vehicles at station overbridges, non-station overbridges and non-bridge locations along the Southwest Metro rail corridor.

The scope for the Construction of Errant and Hostile Vehicle Mitigation Treatments (hereafter known as the Project), generally includes:

- Errant vehicle mitigation (EVM) treatments consisting of:
 - Eight (8) station overbridge barriers
 - Seven (7) non-station road-over-rail overbridge barriers; and
 - 67 non-bridge locations along the southwest corridor
- Hostile vehicle mitigation (HVM) treatments in the eight (8) station precincts
- Road upgrades (kerbside ramps) across various locations
- Fencing, finishing works and other streetscaping elements across various locations
- Remediation works.

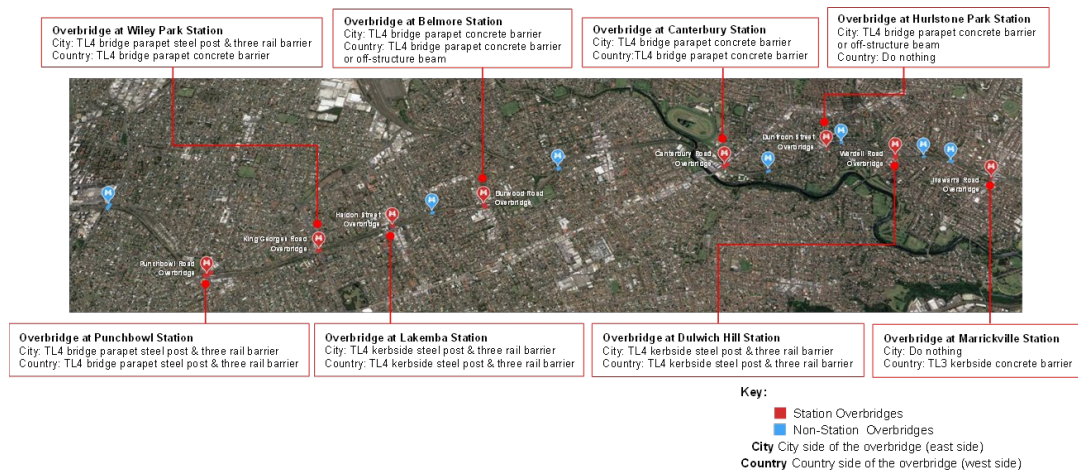


Figure 1 Project Overview

1.2 Location

This TMP documents the proposed temporary traffic staging arrangement for the Albermarle Street Overbridge. **Figure 2** show the location of the TMP.



Figure 2 Albermarle Street Site Location

1.3 Timing

This TMP is scheduled for implementation in alignment with Rail Possession Weekend 39, occurring from Friday, 28th March to Monday, 31st March. For details on construction start and finish times, refer to the Hour-by-Hour program in Appendix C.

Table 1 TMP Timing

Location	Start Date	End Date	Location & Scope
Albermarle Street	WE 28 March	31 March	Installation of OSB adjacent to existing overbridge

1.4 Proposed Scope of Works

The purpose of this TMP is to detail how the Off Structure Beam (OSB) at Albermarle Street to be installed based on two separate scenarios and focussing on impact to the traffic and public. This TMP outline outlines two scenarios subject to Rail Possession Date and various approvals.

Implementation of this TMP enables the following construction activities (subject to IFC design drawing):

- Enabling Works/ Utilities relocation & Protections Works
- Installation of Off Structure Beam

The works required to implement either of the scenario in this TMP include, but are not limited to:

- Pedestrian detour
- Full Road Closure
- Establish Temporary Work Site Over the weekend
- Installing Concrete barriers
- Bus stop relocation
- Detour establishment and local access

Figure 3 shows the Albermarle Street **existing** traffic context.

Figure 4 shows the Albermarle Street **proposed 56 hours** traffic context.



Figure 3 Albermarle Street existing traffic context

2 PROPOSED SCOPE

2.1 Albermarle Bridge Crane Mobilisation

2.1.1 Challis Avenue Street Temporary Laydown Area

A section of the cu de sac along Challis Avenue, adjacent to house number 35-37 to 41 A, will be occupied and designated as a temporary laydown area from Friday dayshift to Monday morning. Crane and material deliveries will utilize Challis Avenue Street, and workers will have pedestrian access to the site.

2.1.2 Challis Avenue Mobilisation and Transportation

The Crane will establish at the intersection of Challis Ave and Albermarle St reducing impact to existing OHW and enable the crane to lift the beam from Challis Ave over the ARTC and SM lines. This closure will be required to facilitate the complete installation of the OSB during the planned ARTC possession weekend 39.

The closure would involve the following traffic context:

- Full road closed Albermarle Street and implement a detour
- Occupying a section Challis Ave as laydown/ drop off area as detail in Figure 4
- Intermittent closure of pedestrian footpath over Albermarle St bridge during truck unloading and OSB lift.

Delivery vehicles will use Challis Avenue to access the drop-off area. Freight vehicles will travel north along Wardell Road and make a right turn at its intersection. Additionally, small construction vehicles will require access via Albermarle Street as an alternative route, particularly once the work zone is established and obstructed by materials and equipment on the bridge. Details of the proposed delivery and access routes are illustrated in the maps below.



Figure 4 Nominated Delivery Route for Challis Avenue Laydown Area

2.1.2.1 Access and Egress

During the Weekend, Albermarle Bridge will be full closed, and directory sign will be in place to encourage driver to use alternative route and detour traffic to Foord Avenue. Detail of the detour Map refer to section 3.1.

Due to the limited space, All steelworks will be unloaded from the trucks on the eastern side of the crane, which will be positioned at the corner of Challis Avenue and Albermarle Street. The Off-Structure Beams (OSBs) will be lifted off the trucks using a 500-tonne slew crane and maneuverer over the Albermarle St bridge. They will then be placed onto temporary propping set up on the western side of the crane and dressed prior to lifting into place.

Challis Ave temporary laydown area will be accessed by construction-related vehicles via the same delivery route along Challis Avenue Street as shown in Figure 4. It will primarily be used for delivering the crane's counterweights and segments of the off-structure beam. Over the weekend, traffic controllers will manage local access where possible and ensure pedestrian safety by using flags and tiger tails along the footpath if it is still accessible subject to process onsite.

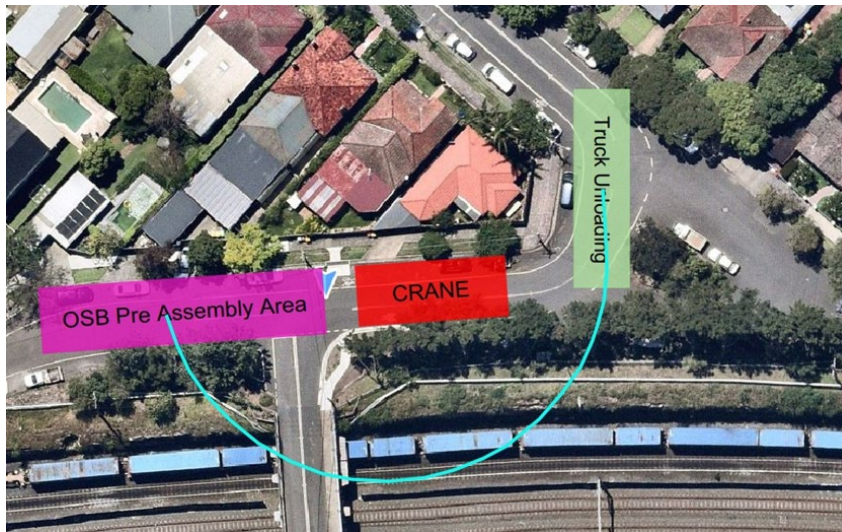


Figure 5 Proposed Albermarle Bridge Site Layout during the closure

3 TRAFFIC IMPACT & MITIGATION

3.1 Detour for local Residence

Albermarle Bridge typically service as a local road bridge to allow residents of Kays Av west, Challis Avenue and Albermarle Street to cross the rail corridor without using major road such as Livingstone Road and Wardell Road. It is primary use by residents only. Once the bridge is closed, resident is required utilise either Wardell Road or Livingstone Road. Detail is capture in the detour map in Appendix B. A snippet of the diagram is also include below.

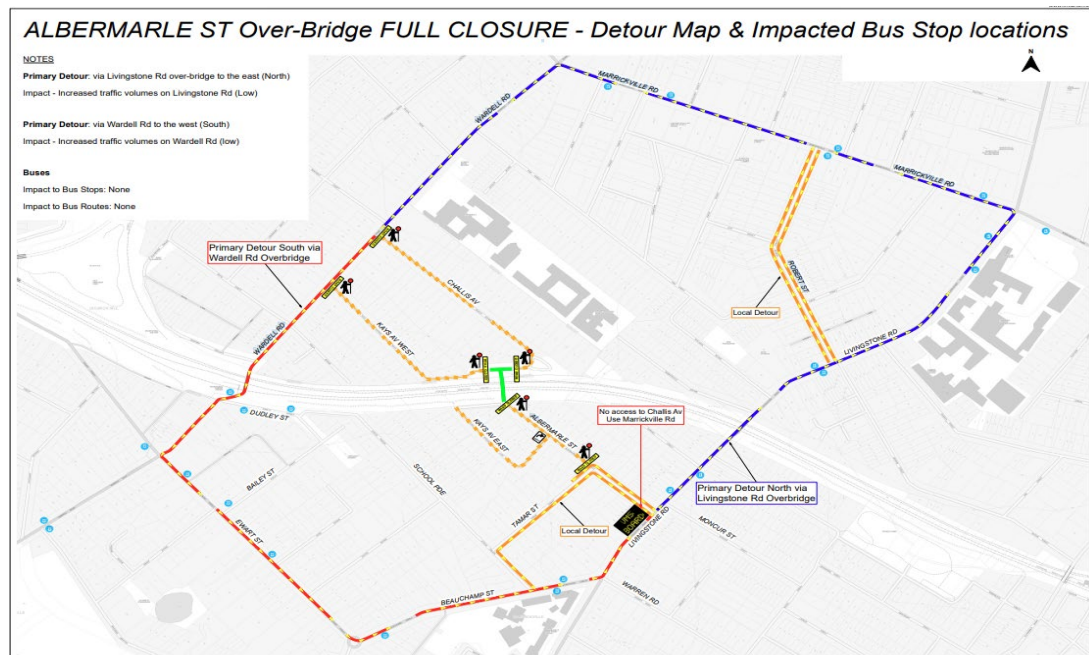


Figure 6 Proposed detour map for impacted residence

3.2 Impact on Public Transport

No bus stop or bus route is impacted by the proposed closure. The closure of Albermarle Bridge will not impact any public transport, as the bridge does not serve as a public transport route and primarily accommodates local suburban traffic.

3.3 Impact on Pedestrians and Cyclists

Pedestrian access to Albermarle Bridge will not be available through out the weekend, as it is unsafe to allow pedestrian movement over the rail bridge once the existing fence and barrier are removed. Without physical separation between the rail corridors along the existing footpath, this condition is deemed unsafe. Where feasible, TC can request for temporary access vis proposed work zone based on site conditions and project timing. After careful assessment, there is no suitable alternative pedestrian detour is available in the ambient of the area.

3.4 Impact on Parking and parking restrictions

No parking spaces will be permanently removed—this is strictly a temporary measure to facilitate the lift delivery and laydown operations. Martinus will obtain council approval before occupying any parking spaces under traffic control.

3.5 Impact on Driveway Access

Albermarle Bridge primarily serves local traffic and residential properties. Most of the local access will be maintained under the direction of onsite traffic control. If any specific driveway access is impacted by our work, the Community Team will directly reach out in advance to seek mutual agreement as part of the community communication strategy. Project notifications will include the expected access plan, and a community hotline, along with an onsite supervisor's contact, will be available for emergency access if needed.

3.6 Impact on Emergency Services

This Traffic Management Plan (TMP) does not propose any detours or impacts on local access. As a result, minimal impact on emergency services is expected. Ensuring emergency access remains a top priority, and space will be provided whenever practical and safe.

3.7 Impact on Major Events

No impact on major events is expected because of this TMP.

4 OTHER CONSIDERATIONS

4.1 Daily Checklist

4.1.1 Major delivery

Separate council approval will be obtained for all major deliveries that required to utilise local street and route assessment to be determined subject to Contractor's origin and destination. Escort vehicle or other form of traffic management to be provided to ensure the movement is supported and managed. Dedicated TGS is drafted to manage vehicle in and out to cater deliveries, detail refer to Appendix B.

4.1.2 Post Installation Daily Checklist

The Safety Team will conduct a post-installation audit to ensure the installation is complete and secure. This will include verifying that all proposed fencing, designed under the temporary design process, is properly secured to withstand wind loads and environmental dynamics, preventing it from becoming an obstacle on the roadway when not in operation and eliminating any potential safety risks to road users. Regular checks and maintenance of the fencing will be managed by the onsite crew and Safety Officer to ensure ongoing compliance. Additionally, a weekly onsite checklist will be implemented to ensure quality and safety standards are consistently maintained following the installation.

4.1.3 Risk Assessment

Due to site constraints, the minimum barrier installation length cannot be achieved. A risk assessment has been conducted to assess the departure from the minimum barrier installation length. Refer to Appendix D. Furthermore, the barrier design statement in section 4.1.4 below describes the mitigation methods Martinus has considered to ensure that the work area and arrangement is as safe as reasonably possible.

4.1.4 Temp Barrier Arrangement

A concrete barrier has been chosen as the preferred physical separation to establish the parameter especially once the existing protective screen and fence is demolished, considering the potential for errant vehicles to encroach into the proposed work zone.

It is acknowledged that a shorter barrier length may result in greater deflection than the standard allowance. However, this is mitigated by the following factors:

- The speed limit to adjacent local Street will be reduced to 40 km/h during implementation.
- The proposed arrangement will be in place for only one weekend while works are ongoing, minimizing the likelihood of the barriers being struck.
- Temporary traffic control measures will be in place throughout the closure, with additional delineation implemented if required.

Lastly, this arrangement is necessary to facilitate works for the installation of errant vehicle mitigation measures, ultimately enhancing safety in the area.

APPENDICES



Appendix A – Traffic Guidance Scheme & Swept Path



ALBERMARLE ST Over-Bridge FULL CLOSURE - Detour Map & Impacted Bus Stop locations

NOTES

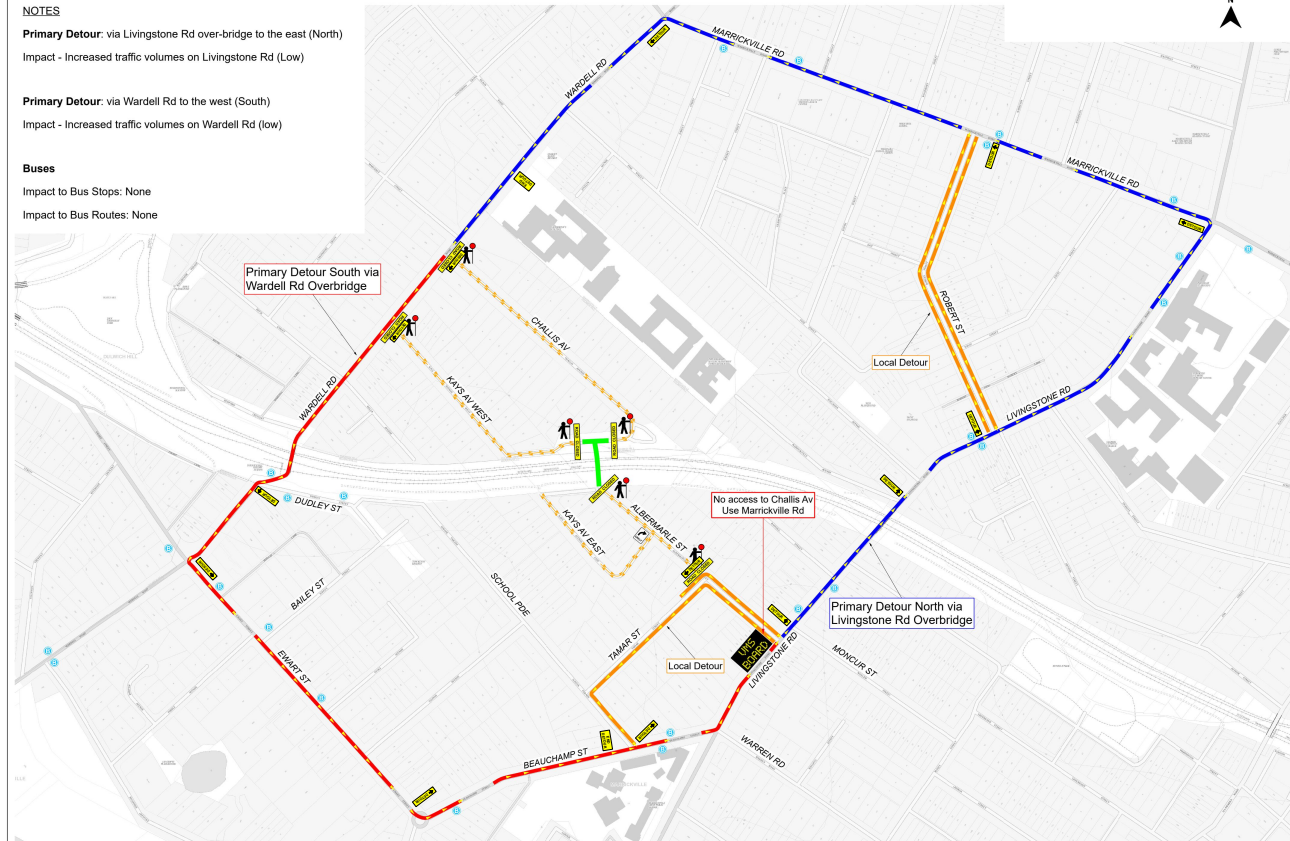
Primary Detour: via Livingstone Rd over-bridge to the east (North)
Impact - Increased traffic volumes on Livingstone Rd (Low)

Primary Detour: via Wardell Rd to the west (South)
Impact - Increased traffic volumes on Wardell Rd (low)

Buses

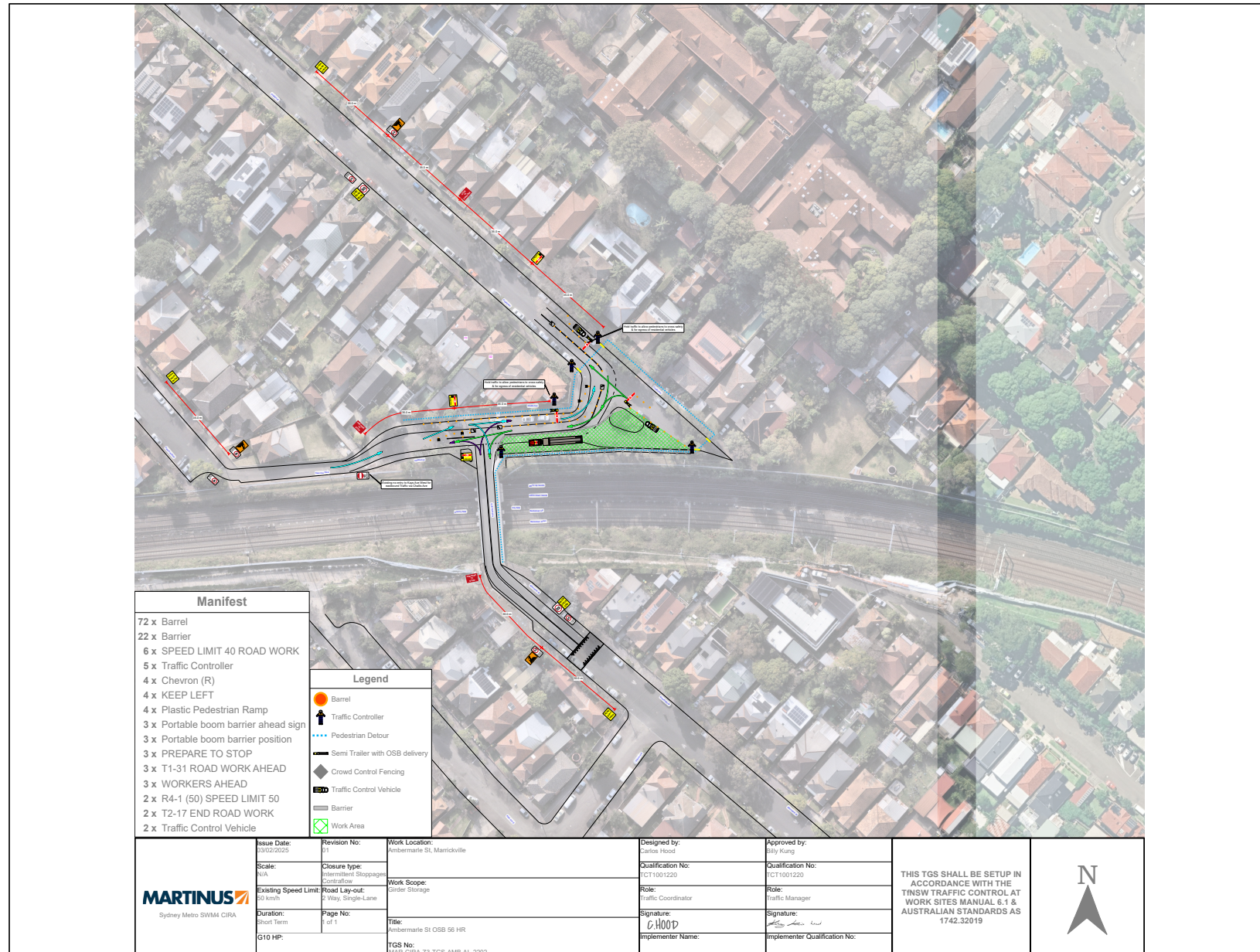
Impact to Bus Stops: None

Impact to Bus Routes: None



	Issue Date: 03/02/2025	Revision No: 01	Work Location: Albermarle St, Marrickville	Designed by: Carlos Hood	Approved by: Bilby Kung	<p>THIS TGS SHALL BE SETUP IN ACCORDANCE WITH THE TNSW TRAFFIC CONTROL AT WORK SITES MANUAL 6.1 & AUSTRALIAN STANDARDS AS 1742.32019</p>
	Scale: N/A	Closure type: Road Closure	Work Scope: OSB Delivery & Lift	Qualification No: TCT1001220	Qualification No: TCT1001220	
	Existing Speed Limit: 50 km/h	Road Lay-out: 2 Way, Single-Lane	Title: Albermarle St OSB 56 HR	Role: Traffic Coordinator	Role: Traffic Manager	
	Duration: Short Term	Page No: 1 of 2	TGS No: MAR-CIRA-Z3-TGS-AMB-AL-2201	Signature: C. Hood	Signature: Bilby Kung	
	G10 HP:			Implementer Name:	Implementer Qualification No:	

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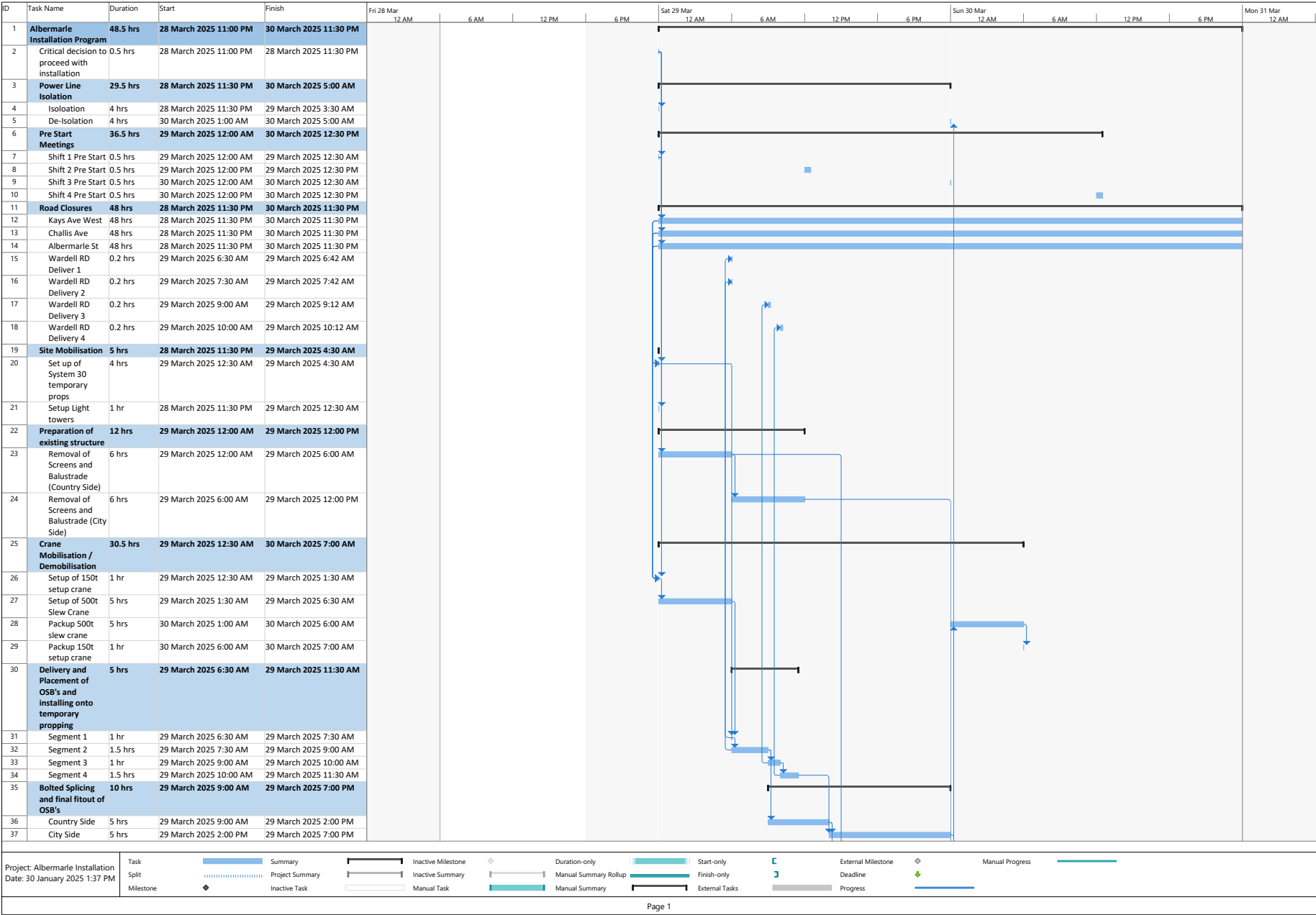


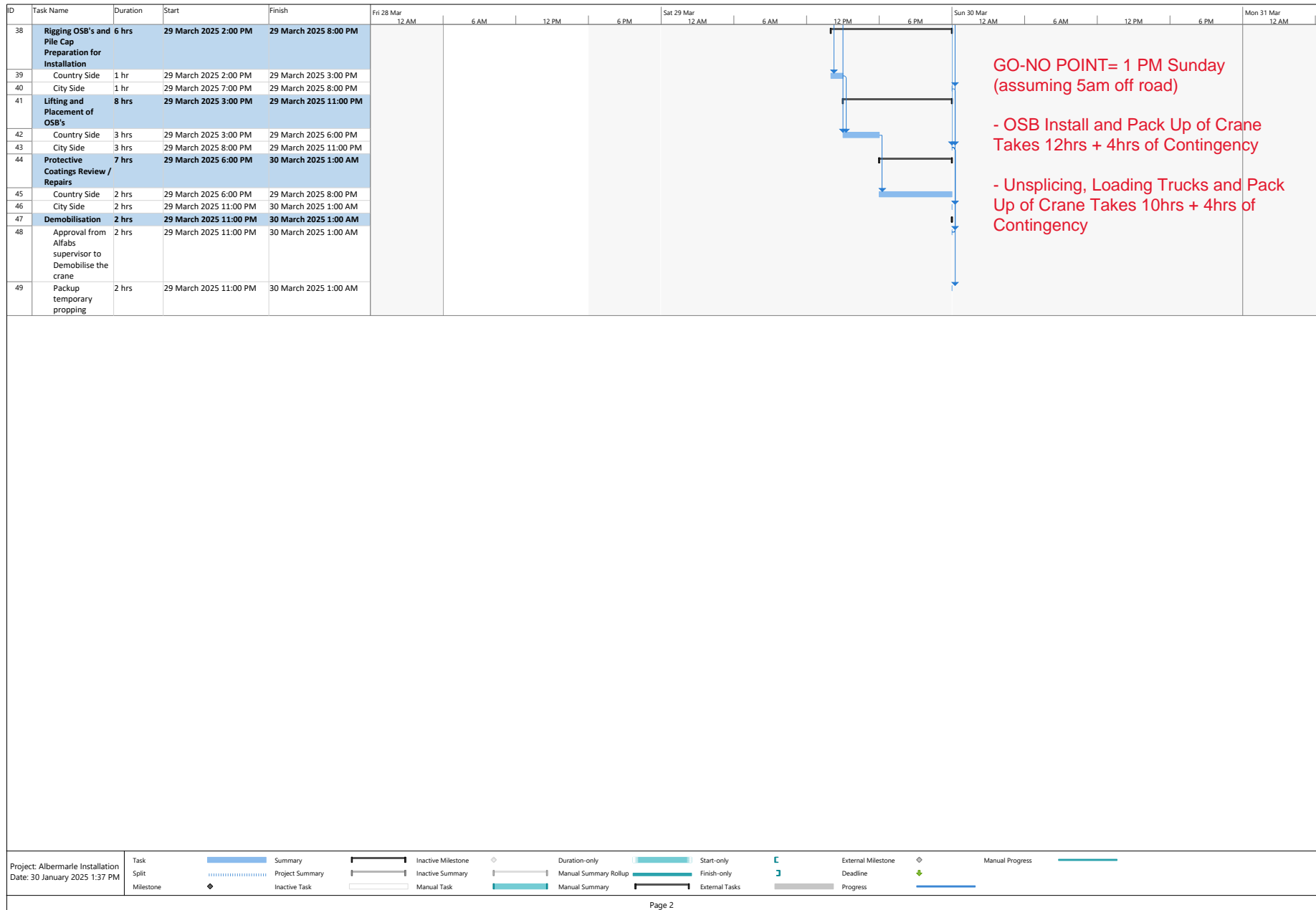
Appendix B – VMS strategy & Detour Map

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Appendix C – Hour by Hour Program & Risk Assessment





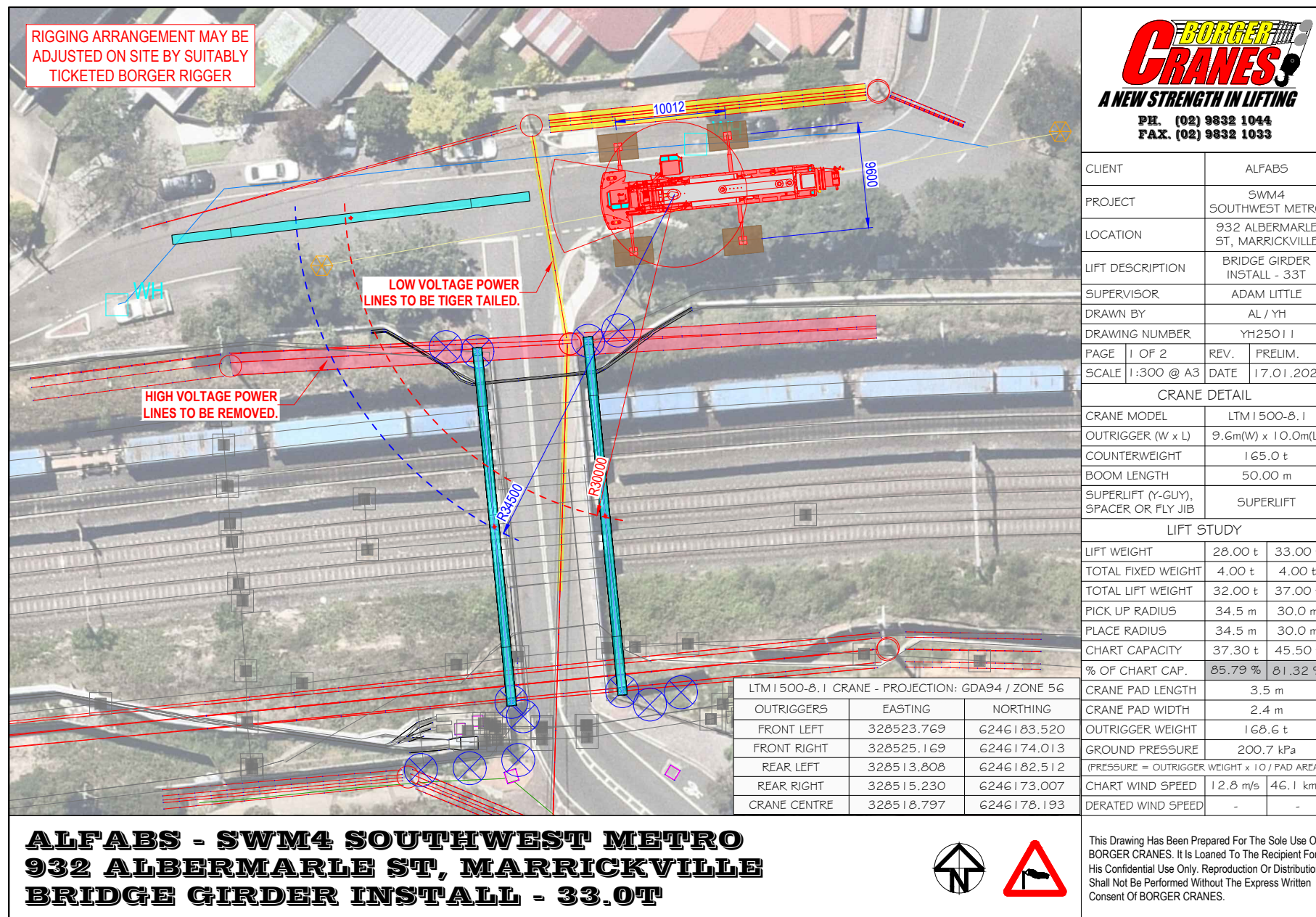
IDENTIFICATION					
No.	Hazard	Impact	Location	Initial Risk	Specific Control
1	OSB not fitting	1) Can't Install OSB 2) require onsite cutting/modifications 3) nowhere to install	All	H	1) 3D scan bridge - check against fab model 2) Asbuilt ragbolt installation - check against fab model 3) trial assembly with bolt locations setout and 3D scan
2	Crane availability	can't install OSB	All	M	
3	crane breakdown	delays can't install OSB	All	L	fitter on stand down standby crane
4	storage area if OSB not installed	storage needed	All	L	return heavy vehicle permits additional TGS/TMP
5	TMP's	can't proceed with the works	All	M	- submit TMP's - check for clashing weekend closures
6	below ground services	damage to services can't setup crane crane overturning	All	H	- temporary works assessment - detailed site investigation - adjust outrigger location
7	above ground services	- can't setupcrane - fatality - overhead wire contact - downing overhead wires - redundant 33kV not removed	All	H	- temporary removal - place crane clear of wire - change lifting arrangement - tiger tails - isolation for Sydney trains 11kV and 1500V - removal of 33kV - trained and designated spotters - height/slew restrictors - 1500V Martinus OHW team on standby to certify damaged OHW
8	inclement weather	- limited access - conflicting work crews - limited lift windows	All	H	- as long as possible lift windows - go/no-go plan pre-weekend assessment on go/no go
9	ARTC Interface	- can't re energise - delays possession handback - duration of testing	All	H	- coordinate with ARTC/Metro contractors - Plan B e.g. night install or WE52 - seek instruction off SM to work on ARTC weekend - metro line interface? - pos neg bridge EWP's EWP's on metro line

10	E+B	<ul style="list-style-type: none"> - can't re-energise - delay possession handback - duration of testing 	All	M	<ul style="list-style-type: none"> - coordinate/develop testing plan with martinus OHW crew - engage Jason Styles to review E+B - review AFC design reeport - AFC design
11	OSB not fabricated in time	<ul style="list-style-type: none"> - cost - reputation - program impact 	All	H	<ul style="list-style-type: none"> - track ALFABS fabrication program and monitor weekly with yard surveillance - confirm cancellation periods for plant, labour etc.
12	Material procurement	<ul style="list-style-type: none"> - can't install - temp install arrangements req. - additional work 	All	M	<ul style="list-style-type: none"> - develop materials list - track materials list - Engineer to inspect materials on arrival and store safely
13	Equipment bookings	<ul style="list-style-type: none"> - can't install - can't install safely - delays to program 	All	M	<ul style="list-style-type: none"> - fitter for weekend - auto electrician for weekend - hirail inspections - standby plant - standby float - fuel truck onsite
14	labour bookings	<ul style="list-style-type: none"> - can't install - can't install safely - delays to program 	All	M	<ul style="list-style-type: none"> - superintendent develop detailed program with engineer - superintedent book labour - engineers chase inductions/competencies for crew roster - develop crew roster
15	Transport from ALFABS <ul style="list-style-type: none"> - breakdown - car crash - loss of load - bring down powerlines - using non-approved HV route - tight access 	<ul style="list-style-type: none"> - delay to OSB arrival - delay to OSB install - can't install - OSB stuck offsite 	All	M	<ul style="list-style-type: none"> - fitter for trucks on standby - spare prime mover - delivered as early as possible - HVNL compliance e.g. HV route, load restraint - survey OHW's close to site - detaield drive through from main road - parking reservation at locations determined by sweep path - community door knock + TGS
16	ALFABS Resources WE	<ul style="list-style-type: none"> - issues with install - can't install - delays to install - potential safety issues - handback late 	All	M	<ul style="list-style-type: none"> - ALFABS + Borgers roster - Review ALFABS CV - Martinus install duntroon
17	Martinus Resources WE	<ul style="list-style-type: none"> - issues with install - can't install - delays to install - potential safety issues - handback late 	All	L	<ul style="list-style-type: none"> - roster - hour by hour program - possession manager allocated - escalation channel - matching the right managers - staggered shifts - manae Sydney Metro
18	Martinus Resources lead in	<ul style="list-style-type: none"> - planning not as detailed as should be - bookings missed 	All	L	Plan on reosurces/Actions

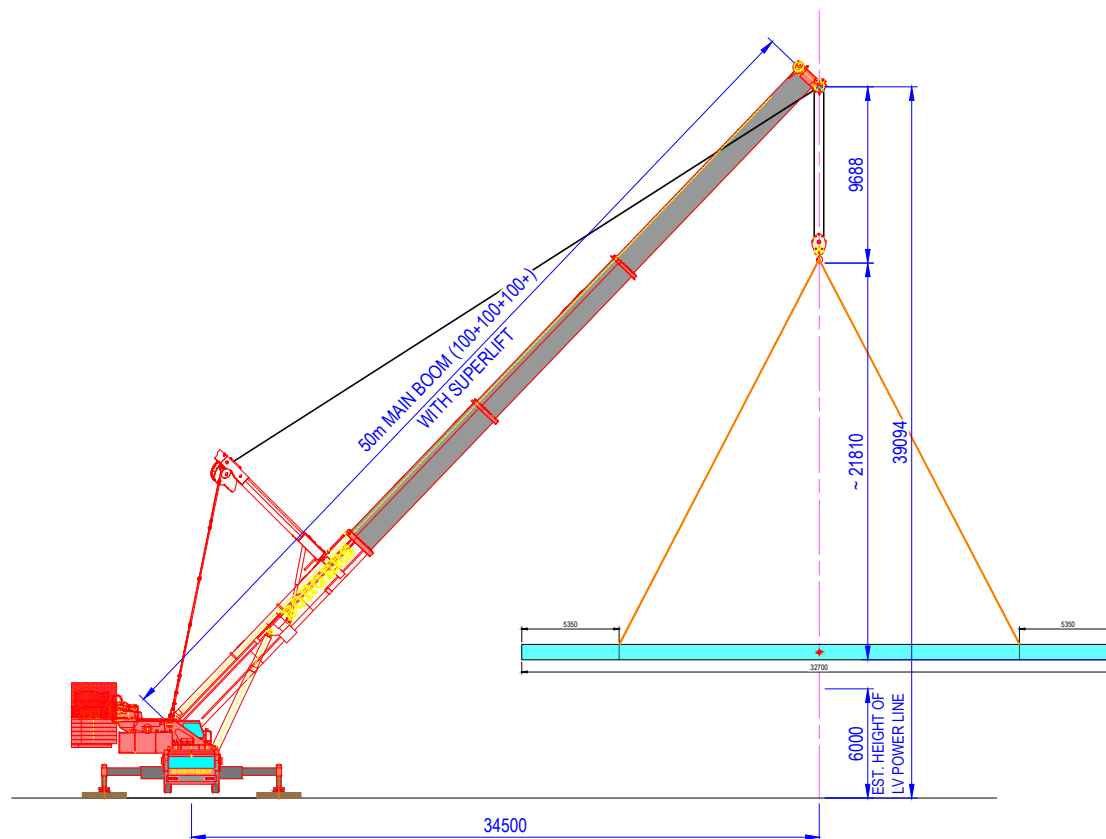
Appendix D – Lift Studies

Item 5

Attachment 1



RIGGING ARRANGEMENT MAY BE
ADJUSTED ON SITE BY SUITABLY
TICKETED BORGER RIGGER



CLIENT	ALFABS
PROJECT	SWM4 SOUTHWEST METRO
LOCATION	932 ALBERMARLE ST, MARRICKVILLE
LIFT DESCRIPTION	BRIDGE GIRDER INSTALL - 33T
SUPERVISOR	ADAM LITTLE
DRAWN BY	AL / YH
DRAWING NUMBER	YH25011
PAGE	2 OF 2
REV.	PRELIM.
SCALE	1:250 @ A3
DATE	17.01.2025

CRANE DETAIL	
CRANE MODEL	LTM1500-8.1
OUTRIGGER (W x L)	9.6m(W) x 10.0m(L)
COUNTERWEIGHT	165.0 t
BOOM LENGTH	50.00 m
SUPERLIFT (Y-GUY), SPACER OR FLY JIB	SUPERLIFT

LIFT STUDY		
LIFT WEIGHT	28.00 t	33.00 t
TOTAL FIXED WEIGHT	4.00 t	4.00 t
TOTAL LIFT WEIGHT	32.00 t	37.00 t
PICK UP RADIUS	34.5 m	30.0 m
PLACE RADIUS	34.5 m	30.0 m
CHART CAPACITY	37.30 t	45.50 t
% OF CHART CAP.	85.79 %	81.32 %
CRANE PAD LENGTH	3.5 m	
CRANE PAD WIDTH	2.4 m	
OUTRIGGER WEIGHT	168.6 t	
GROUND PRESSURE	200.7 kPa	
(PRESSURE = OUTRIGGER WEIGHT x 10 / PAD AREA)		
CHART WIND SPEED	12.8 m/s	46.1 km/h
DERATED WIND SPEED	-	-

ALFABS - SWM4 SOUTHWEST METRO
932 ALBERMARLE ST, MARRICKVILLE
BRIDGE GIRDER INSTALL - 33.0T



This Drawing Has Been Prepared For The Sole Use Of
BORGER CRANES. It Is Loaned To The Recipient For
His Confidential Use Only. Reproduction Or Distribution
Shall Not Be Performed Without The Express Written
Consent Of BORGER CRANES.

LTM 1500 -- 000073097 Code: 0022 B216 5D00
Operating mode: T3Y Y15° 50m --



ISO DIN




T3Y
Y15° 50m

—

typ1

21.02

[illegible]

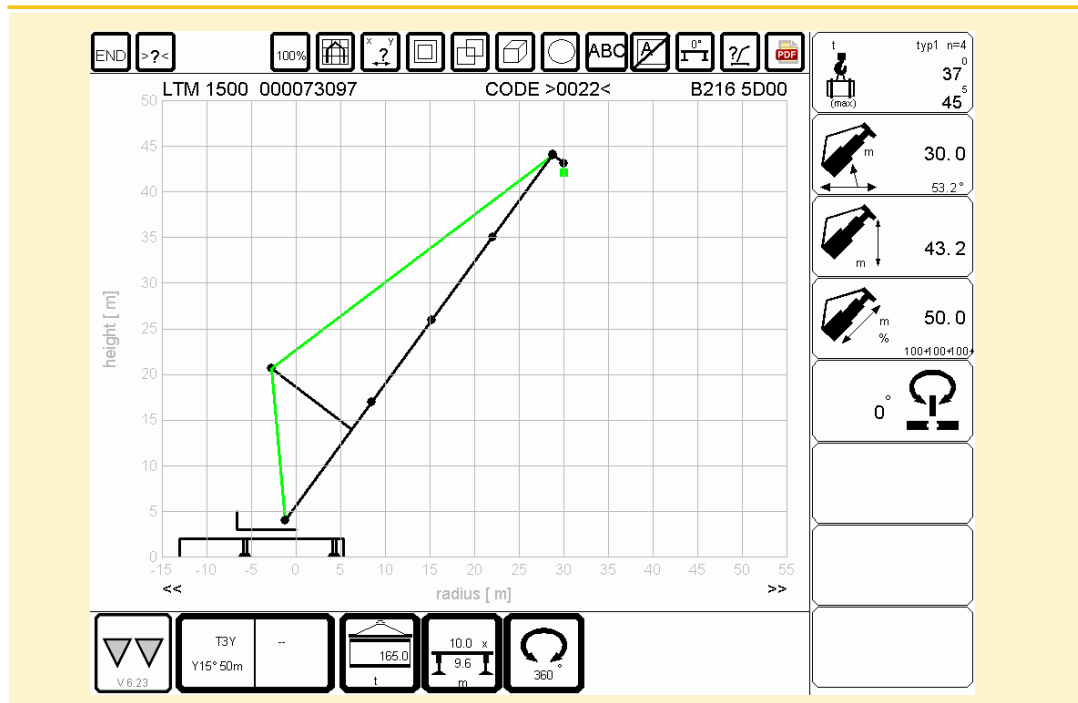
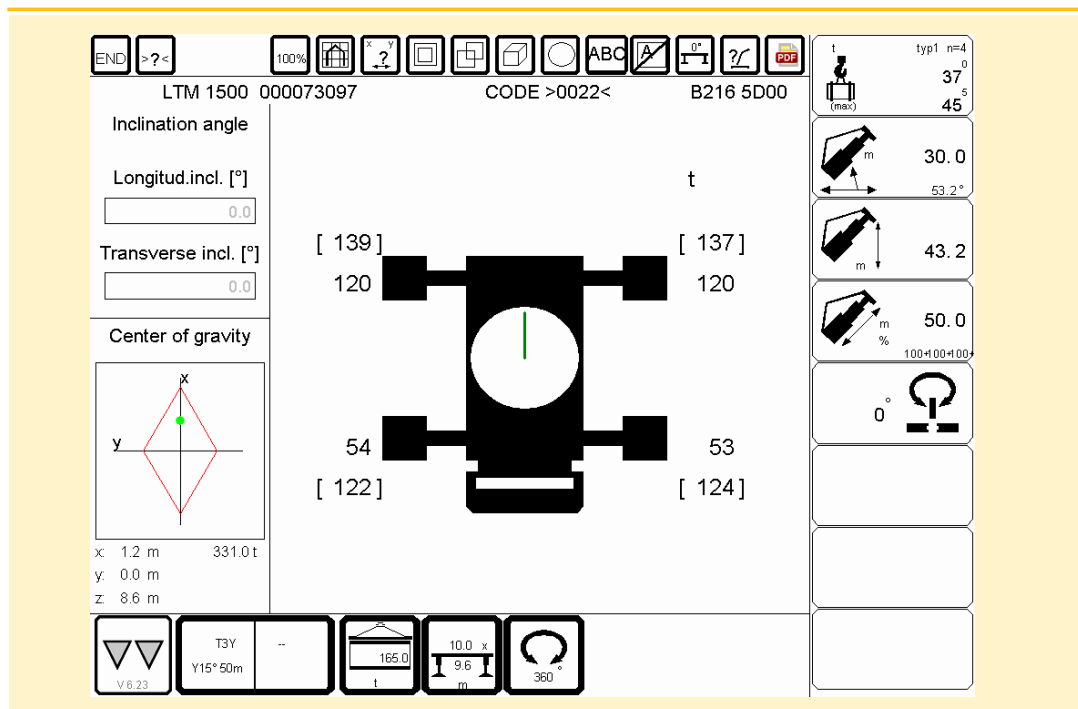
	T3Y Y15° 50m	--	 165.0 t	 10.0 x 9.6 m	 360°		
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1 (1)

LTM 1500 -- 000073097 Code: 0022 B216 5D00
Operating mode: T3Y Y15° 50m --



Item 5

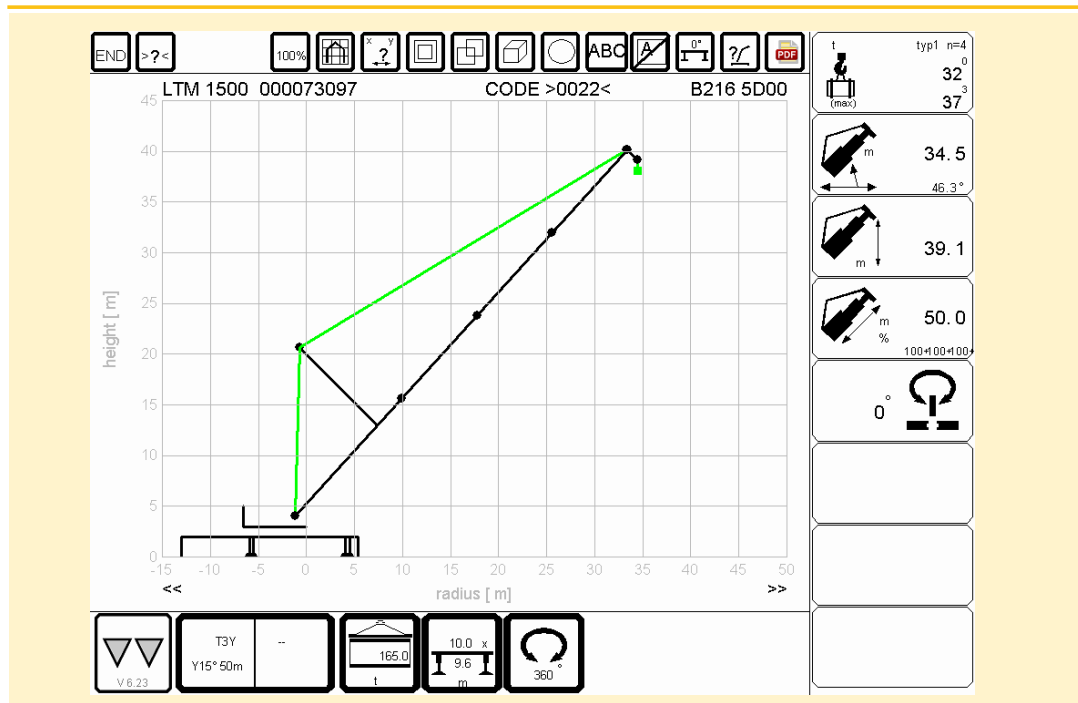
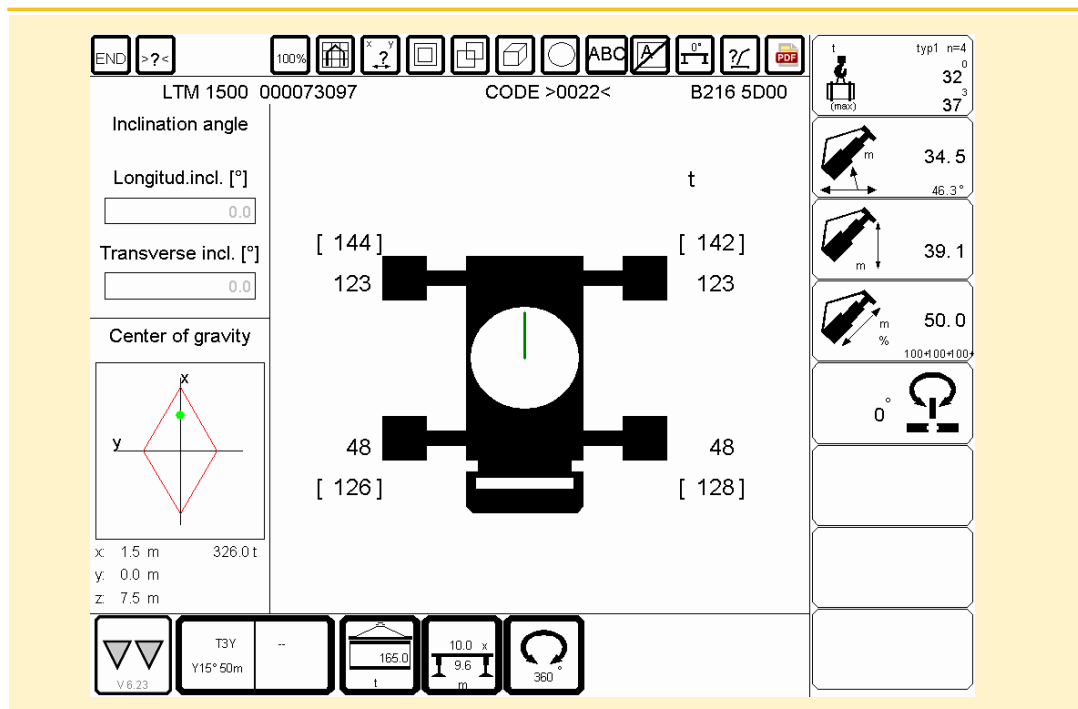


Attachment 1

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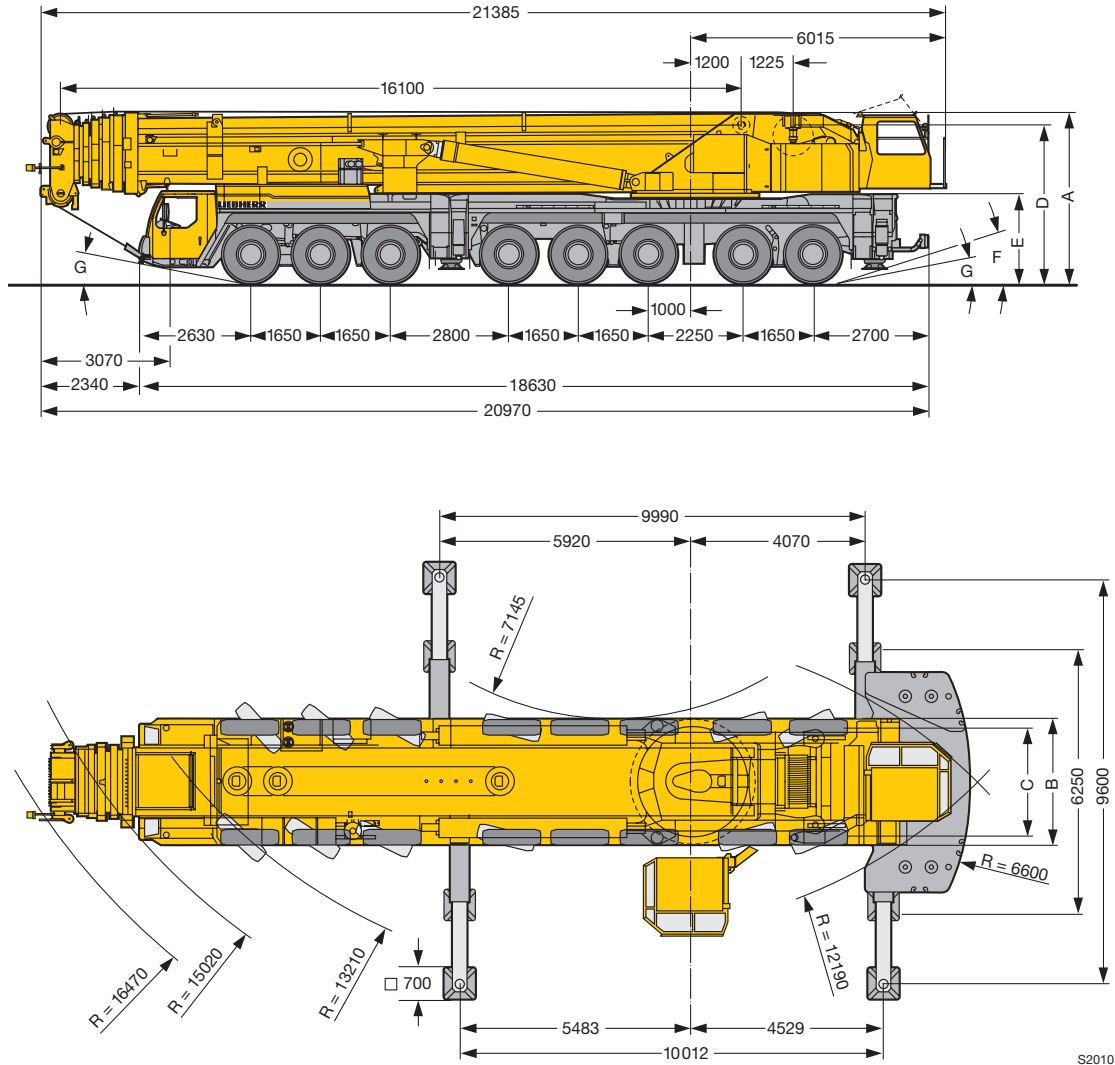


Item 5



Attachment 1

Maße
Dimensions
Encombement · Dimensioni
Dimensiones · Габариты крана



Bereifung 14.00 R 25 · Tyres 14.00 R 25 · Pneumatiques 14.00 R 25 · Pneumatici: 14.00 R 25 · Neumáticos: 14.00 R 25 · Шины: 14.00 R 25

	Maße · Dimensions · Encombement · Dimensioni · Dimensiones · Размеры mm						
	A	B	C	D	E	F	G
14.00 R 25	3950	3000	2612	3660	1925	17°	10°
16.00 R 25	4000	3000	2552	3710	1975	19°	12°
20.5 R 25	4000	3230	2702	3710	1975	19°	12°

Gewichte Weights Poids · Pesí Pesos · Нагрузки



Achse · Axle Essieu · Asse Eje · Мосты t	1	2	3	4	5	6	7	8	Gesamtgewicht · Total weight t Poids total · Peso totale t Peso total · Общий вес, т
	12	12	12	12	12	12	12	12	96*

* mit 50 m Teleskopausleger / with 50 m long telescopic boom / avec flèche télescopique de 50 m / con braccio telescopico da 50 m / con 50 m de pluma telescópica / телескопическая стрела 50 м



Traglast · Load · Forces de levage t Portata · Capacidad de carga t Грузоподъемность, т	Rollen · No. of sheaves Poules · Pulegge Ролеы · Канатных блоков	Stränge · No. of lines Brins · Tratti portanti Реenvíos · Запасовка	Gewicht · Weight kg Poids · Peso kg Peso · Собст. вес, кг
274,1	13	27	6100
247,7	11	23	3700
171,1	7	15	2700
84,7	3	7	2600
37,4	1	3	1400
12,5	–	–	700

Geschwindigkeiten Working speeds Vitesses · Velocità Velocidades · Скорости



	1	2	3	4	5	6	7	8	9	10	11	12	R 1	R 2	
14.00 R 25 16.00 R 25 20.5 R 25 km/h	5,2	6,7	8,7	11,1	14,1	18	23,8	30,5	39,5	50,6	64,2	75	5,6	7,2	37,4 %
	5,7	7,3	9,4	12,1	15,3	19,6	25,9	33,2	43	55,1	69,8	80	6,1	7,9	33,9 %



Antriebe · Drive Mécanismes · Meccanismi Accionamiento · Приводы	stufenlos · infinitely variable en continu · continuo regulable sin escalonamiento · бесступенчато	Seil Ø / Seillänge · Rope diameter / length Diamètre / Longueur du câble · Diametro / lunghezza fune Diámetro / longitud cable · Диаметр / длина троса	Max. Seilzug · Max. single line pull Effort au brin maxi. · Mass. tiro diretto fune Tiro máx. en cable · Макс. тяговое усилие
1	m/min für einfachen Strang · single line 0 - 130 m/min au brin simple · per tiro diretto · a tiro directo м/мин при однократной запасовке	25 mm / 620 m	126 kN
2	m/min für einfachen Strang · single line 0 - 145 m/min au brin simple · per tiro diretto · a tiro directo м/мин при однократной запасовке	25 mm / 620 m	126 kN
3	m/min für einfachen Strang · single line 0 - 130 m/min au brin simple · per tiro diretto · a tiro directo м/мин при однократной запасовке	25 mm / 1050 m	126 kN
360°	0 - 1 min ⁻¹ об/мин		
	ca. 70 s bis 83° Auslegerstellung · approx. 70 seconds to reach 83° boom angle env. 70 s jusqu'à 83° · circa 70 secondi fino ad un'angolazione del braccio di 83° aprox. 70 segundos hasta 83° de inclinación de pluma · ок. 70 сек. до выставления стрелы на 83°		
	ca. 330 s für Auslegerlänge 16,1 m – 50 m · approx. 330 seconds for boom extension from 16,1 m – 50 m env. 330 s pour passer de 16,1 m – 50 m · circa 330 secondi per passare dalla lunghezza del braccio di 16,1 m a 50 m aprox. 330 segundos para telescopar la pluma de 16,1 – 50 m · ок. 330 сек. до выставления от 16,1 м до 50 м		

Appendix E –



Item 5

Attachment 1

Item No: LTC0225(1) Item 6
Subject: BEATTIE STREET AT MULLENS STREET, BALMAIN - PROPOSED
RAISED PEDESTRIAN CROSSING (BALUDARRI-BALMAIN
WARD/BALMAIN ELECTORATE/LEICHHARDT PAC)
Prepared By: Charbel El Kazzi - Traffic Engineer
Authorised By: Manod Wickramasinghe - Traffic and Transport Planning Manager

RECOMMENDATION

That the attached detailed design plan (Design Plan No.10321-A) for the proposed new raised pedestrian crossing on Beattie Street west of Mullens Street, Balmain be approved.

STRATEGIC OBJECTIVE

This report supports the following strategic directions contained within Council's Community Strategic Plan:

2: Livable, connected neighborhoods and transport

EXECUTIVE SUMMARY

Council is planning to improve safety in Beattie Street, Balmain by constructing a raised pedestrian crossing west of Mullens and Montague Streets to replace two existing kerb ramps. The proposal aims to improve pedestrian and motorist safety by better defining safe pedestrian crossing points and addresses pedestrian safety and driver behavior at this location.

This project is one of the recommendations from the Balmain Local Area Traffic Management (LATM) study adopted by Council on 10 October 2023.

The proposal will require a new 'No Stopping' sign to be installed in Beattie Street on the south side of the new raised pedestrian crossing as per attached plan. This will result in the loss of one (1) on street parking space in Beattie Street.

BACKGROUND

The Balmain Local Area Traffic Management (LATM) study adopted by Council on 10 October 2023, recommended the design and construction of a raised pedestrian crossing in Beattie Street, west of Mullens and Montague Streets, Balmain.

The detailed design plan shown in *Attachment 1* outlines the proposed works on Beattie Street, Balmain and includes the following:

- Construct a new raised concrete pedestrian crossing to replace the existing kerb ramps (refer to attached plans).
- Construct "gutter bridges" with heel safe grating to provide safe access over existing kerb and gutter to the new raised pedestrian crossing (where required).
- Realign the kerb & gutter as needed to widen the footpath and provide the room needed for the new raised pedestrian crossing.
- Adjust the footpaths as required to match the new kerb alignments on both sides of the street. New pavers and new asphalt footpaths will be provided to match existing footpaths as best as possible (pavers subject to availability).
- Remove the existing speed cushion in Beattie Street.

- Provide new lighting to the new raised pedestrian crossing which complies with the current lighting standards.
- Install a new 'No Stopping' (10m from the proposed crossing) sign on the south side of Beattie Street to satisfy sight distance requirements at departure side of the new pedestrian crossing.
- Install associated pavement line marking and signage as required.

The traffic and roadway features of Beattie Street at Mullens Street is tabled below:

Street Name	Lilyfield Road
Kerb to Kerb Width (m)	9.6m
Carriageway Type	Two-way, one travel lane each direction. Bicycle logo mixed traffic arrangement.
Classification	Local Road
Speed Limit	40km/h
85 th Percentile Speed	35.3km/h
Average Traffic Volume	3,000 veh/day
Available TfNSW recorded crash history last 5 years (2018-2023)	<p>2018 – RUM code 30 (Rear End) – Car - Minor injury - Mullens Street at Beattie Street</p> <p>2021 – RUM code 49 (Parking/u turn) – Bicycle - Minor injury – Roundabout at Mullens and Beattie Street</p> <p>2023 – RUM code 21 (Right through) - Bicycle - Minor injury – Roundabout at Mullens and Beattie Street</p>
Parking Arrangements	Parking permitted on both sides

DISCUSSION

A letter outlining the proposal was issued to the properties shown in the distribution map below. one (1) submission was received in response to this proposal and is summarised within the below table.



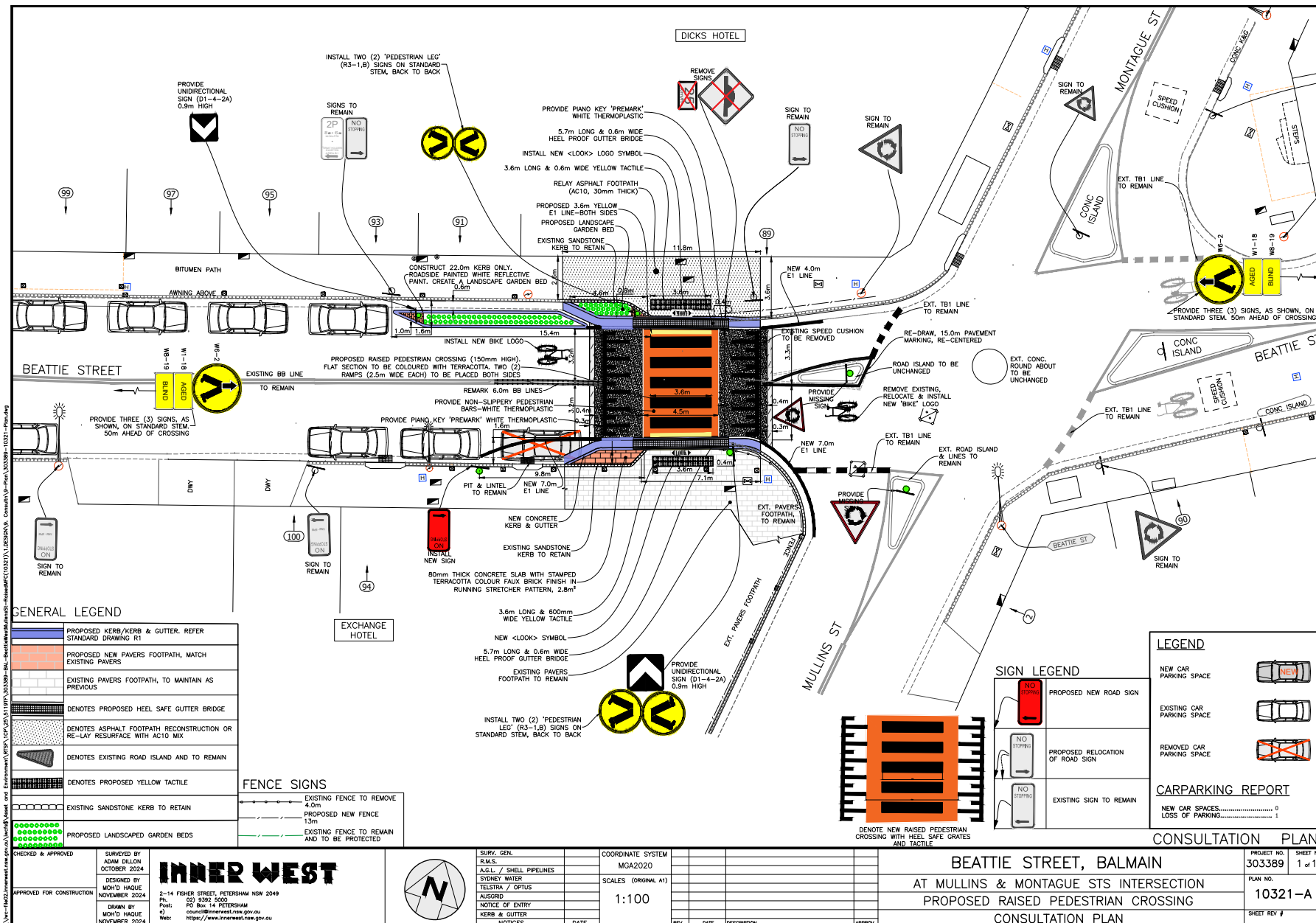
Resident Concerns	Officer Feedback
Large vehicles routinely illegally park out the front of 91 Beattie St outside of Dicks Hotel in within the 'No Stopping' zone and legally out the front exchange of Beattie Street obstructing pedestrian visibility.	<p>Council has decided to provide an extended landscaped kerb blister island within the 'No Stopping' zone of the north side of Beattie Street to prevent illegal parking within this area and has amended the design accordingly.</p> <p>The small space on the south side of Beattie Street is on the departure side of the pedestrian crossing and thus will not impact on approach site distances to the pedestrian crossing. Raising the pedestrian crossing will also improve site distances for vehicles on both approaches. Additionally, parking within this locale is in high demand and therefore the removal of an additional space is not supported.</p>

FINANCIAL IMPLICATIONS

The works are expected to cost approximately \$90,000 and are to be funded under Council's Capital Works Program.

ATTACHMENTS

1. [Raised Pedestrian Crossing Beattie St at Mullen St, Balmain Detailed Plan 10321-A](#)



Item No: LTC0225(1) Item 7

Subject: RENWICK STREET & MARION STREET, LEICHHARDT - PROPOSED INTERSECTION LINE MARKING UPGRADES (BALUDARRI-BALMAIN WARD/BALMAIN ELECTORATE/LEICHHARDT PAC)

Prepared By: Jackie Ng - Graduate Traffic Engineer

Authorised By: Manod Wickramasinghe - Traffic and Transport Planning Manager

RECOMMENDATION

That the proposed intersection line marking upgrades at the Renwick Street and Marion Street, Leichhardt intersection shown in *Attachment 1* be approved.

STRATEGIC OBJECTIVE

This report supports the following strategic directions contained within Council's Community Strategic Plan:

2: Liveable, connected neighbourhoods and transport

EXECUTIVE SUMMARY

This report outlines safety concerns raised by residents at the intersection of Renwick Street and Marion Street, Leichhardt. A high volume of parents, students and children can be observed by the public using this crossing point due to the proximity of the childcare and public school. A review has been undertaken and proposes to upgrade the existing line marking at the intersection, which improves driver visibility and clarity for pedestrians and vehicle movements at this intersection.

BACKGROUND

Council has received concerns from residents regarding the intersection of Renwick Street and Marion Street, Leichhardt. The site is highly used by all road users as it is within close proximity to the Norton Street shopping village, Leichhardt Public School and Child Care Centre.

The current position of the 'Give Way' line marking across Renwick Street requires cars to slow down and give way well before being able to adequately see oncoming traffic on Marion Street. Visibility is further exacerbated due to the high building alignment of the corner property for drivers entering Marion Street. Additionally, with the 'Give Way' line is located before the pedestrian kerb ramp, occasional confusion and hesitation was observed between vehicles and pedestrians.

It is proposed that the following line marking treatments are installed at the intersection as shown in *Attachment 1*:

- Install 20m length double separation (BB) lines on Marion Street on the west and east approach to Renwick Street;
- Install 10m length double separation (BB) lines on Renwick Street;
- Reposition existing give way (TB and TB1) lines, as shown in the attached plan.
- Install painted hatched island on the south side of Marion Street, west of Renwick Street

The proposed works does not impact on any on-street parking spaces.

DISCUSSION

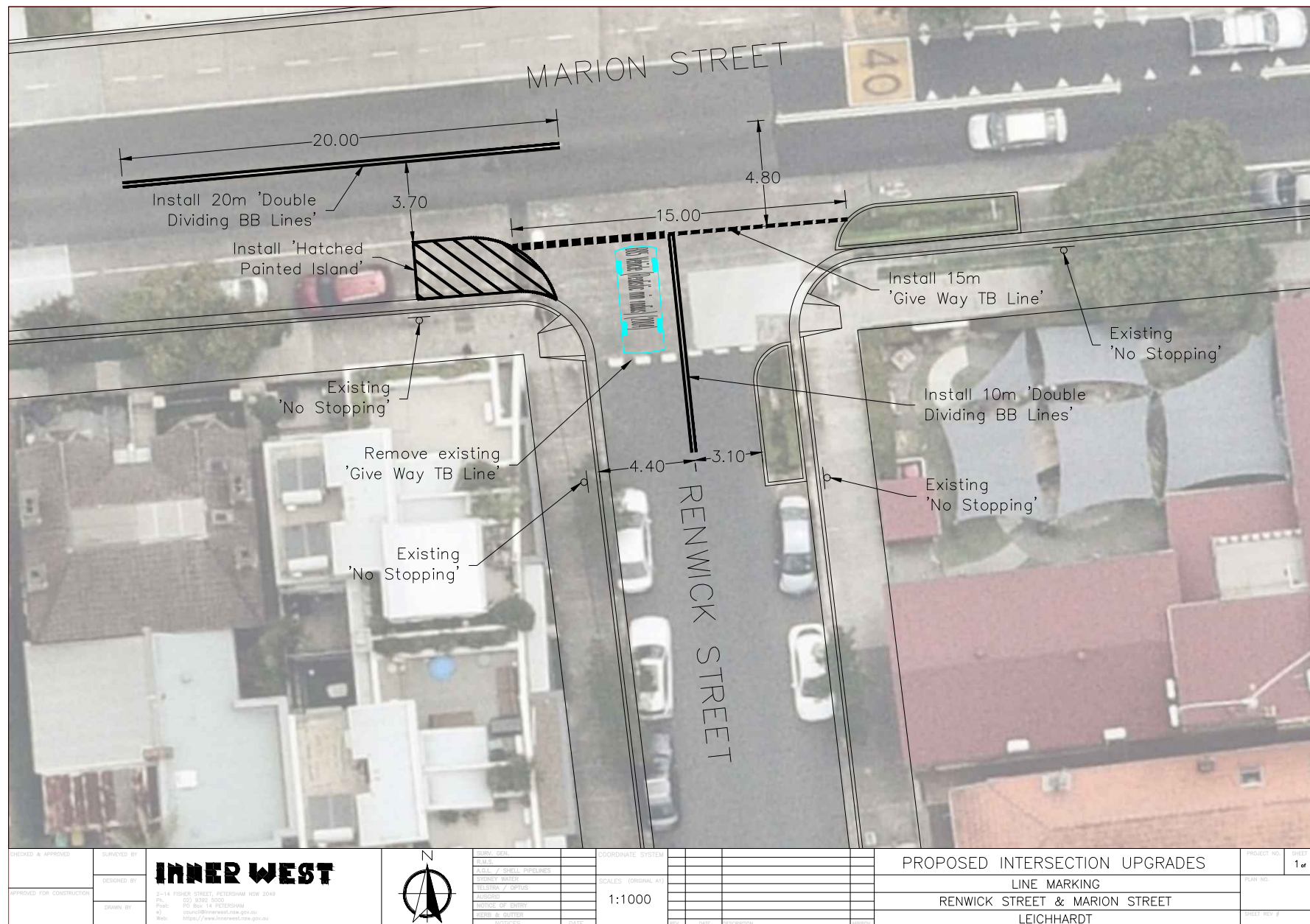
No consultation was conducted as the proposal does not affect any on-street parking spaces.

FINANCIAL IMPLICATIONS

The cost of installation of the proposed line marking can be funded within Council's signs and line marking budget.

ATTACHMENTS

1. [↓](#) Renwick Street & Marion Street, Leichhardt - Proposed Intersection Line Marking Upgrade



Item No: LTC0225(1) Item 8
Subject: ROBERT STREET, ROZELLE - MINISTRY OF SOUND TRAFFIC MANAGEMENT PLAN (BALUDARRI-BALMAIN WARD/BALMAIN ELECTORATE/LEICHHARDT PAC)
Prepared By: Amir Falamarzi - Traffic Engineer
Authorised By: Manod Wickramasinghe - Traffic and Transport Planning Manager

RECOMMENDATION

That the Traffic Management Plan (TMP) for Ministry of Sound 2025 at the White Bay Power Station proposed on 4-5 April and 11-12 April 2025 be approved subject to the following conditions:

- a) the event organisers notify the community including residents and businesses of the proposed event, changes to traffic and parking in the area;
- b) road closures are only implemented by order of NSW police to ensure public safety during event egress;
- c) all barricades and necessary signposting shall be provided by the event organisers and maintained during the period of the event by TfNSW-accredited marshals, or Police engaged by the applicant;
- d) all traffic control facilities are to be installed in accordance with Australian Standard 1742.3;
- e) the event organiser shall indemnify Inner West Council against all claims for damage or injury that may result from the activity or occupation of part of the public way during the activity. The event organiser must provide documentary evidence of public risk insurance cover of at least \$20,000,000 indemnifying Council; and
- f) the event organiser shall be responsible for the reimbursement for the cost of repair of any damage caused to the public way, or as a result of the activities.

STRATEGIC OBJECTIVE

This report supports the following strategic directions contained within Council's Community Strategic Plan:

2: Liveable, connected neighbourhoods and transport

EXECUTIVE SUMMARY

Ministry of Sound 2025 event is scheduled to take place at White Bay Power Station (WBPS) on Roberts Street Rozelle, which will host a music party on four separate dates Fridays and Saturdays 4-5 April, and 11-12 April 2025.

The Traffic Management Plan (TMP) was prepared and aims to provide safe pedestrian access routes to the site through a proposed pedestrian crossing point in Robert Street, pick-up and drop-off zone for private vehicles and taxis along Robert Street and Mullens Street.

BACKGROUND

Orbit for TMRW Events has submitted a TMP application for the 2025 Ministry of Sound at the WPBS which will host a music party on four separate dates including Fridays and Saturdays 4-5 April, and 11-12 April 2025. The Testament event last took place in Sydney at White Bay Power Station in 2024 and will return this year.

It is expected that approximately 4,000 people will attend the event. During the event dates, traffic setup will start at 12pm, event will start at 4pm and event will finish at 12am. Figure 1 shows the location of the event and affected



Figure 1: Ministry of Sound Testament Event Location (in Yellow) noting the surrounding roads affected (In Blue)

DISCUSSION

The proposed TMP (Attachment 1) includes two Traffic Guidance Schemes (TGS): one for typical operation and another for the egress road closure contingency plan, which will be implemented under the direction of NSW Police for pedestrian safety. The TMP includes the following features:

Traffic management on Robert Street and Mullens Street

- Waterfilled barriers, bollards and crowd control barriers will be installed along Robert Street and Mullens Street to manage traffic, pick up/ drop off zone and facilitate pedestrian access
- The event organisers will barricade all parking spaces within the event area the night before the event commences, including Robert Street between Crescent Street and No.58 Robert Street (both sides) and Mullens Street between Robert Street and Mansfield Street (east side) to set up the proposed TGS.
- Pick up/drop of zones will be installed on Robert Street (both sides) 80m east of the intersection of Robert Street and Mullens Street.
- U-turn bay will be installed on Robert Street in front of Port access road ramp during egress time.
- To support the event area, the right-turn lanes from Robert Street onto Victoria Road and from Robert Street onto Mullens Street, Rozelle, will be closed during the pedestrian egress period with formal road closures if required. This will occur under NSW Police direction if the crowd cannot be controlled to ensure pedestrian safety.
- There is limited street parking available for participants of the event. The event organiser will promote public transport as the best way of getting to the event due to its proximity to regular bus services.

- No vehicles will be permitted access to the event site via the Northern Forecourt (existing traffic loop) other than emergency vehicles.
- Two VMS board signs will be installed on Robert Street with one at the intersection of Mullens Street and another one at the intersection of Buchanan Street before and during the events to inform road users of changes in traffic condition.

NSW Police engagement

- The Leichhardt Police Area Command (PAC) will be involved in the planning of Ministry of Sound testament event Rozelle, via Council's Traffic Committee including aspects relating to use of the roadway, closure of selected roads and hostile vehicle mitigation. They will be formally notified at least two weeks prior to the event taking place.
- User Pays Police will be engaged by the event organisers based on guidance from PAC, in conjunction with the relevant Security Management Plan.

Pedestrian access

- Pedestrian access lanes and crossing will be implemented along and across Roberts Street to provided pedestrians safe access to the event area.
- Traffic controllers will be stationed at the proposed pedestrian crossing to facilitate safe pedestrian movement.

Access for local residents and businesses

- Pedestrian access lanes and crossings will be implemented along and across Robert Street to provide pedestrians with safe access to the event area.
- Traffic controllers will be stationed at the proposed pedestrian crossings to facilitate safe pedestrian movement.

Hostile vehicles mitigation

- The Event Organiser may, in conjunction with the nominated Security Advisor, produce a Hostile Vehicle Mitigation (HVM), and Target Hardening Plan for the event.

Access for emergency vehicles

- A minimum four metre emergency lane will be maintained along the entire closure, beyond the HVM vehicles. There will be no event infrastructure in the emergency lane.
- Traffic controllers will be onsite to assist emergency vehicle through the closure points. While HVM measures will be in place, a driver for all vehicles will always be present in case the vehicle needs to be moved to allow access for emergency vehicles.

Buses

- Buses will be permitted around the closure at all times of the event, a traffic controller will manage the ingress/egress during event hours. No buses or bus stops will be affected by the closure for the event.

Taxis

- Taxi and ride-share providers will have specific drop/collection areas along Mullens Street that will be installed for the event and will continue to have access to the road network around the closures as per other road users.

Cycle routes

- The closure of Robert Street will not significantly affect designated cycling routes through Rozelle.
- Cyclists will still be able to dismount and walk their bikes around the event site. All existing cycle routes will remain in place and operational around the event site.

Special event clearways

- The need for a special event clearway has been considered irrelevant due to the event's location and duration.

PUBLIC AND EMERGENCY NOTIFICATION

The event organiser will notify all residents and businesses impacted by the event, including confirmation of restricted vehicle movements during event operating times. This will include reviewing any necessary changes to commercial waste collection times and/or locations. A notification letter drop will be arranged by the event organiser two weeks prior to the event.

NSW Fire & Rescue and NSW Ambulance will be notified at least two weeks prior to the event.

FINANCIAL IMPLICATIONS

There are no financial implications associated with the implementation of the proposed recommendations outlined in the report.

ATTACHMENTS

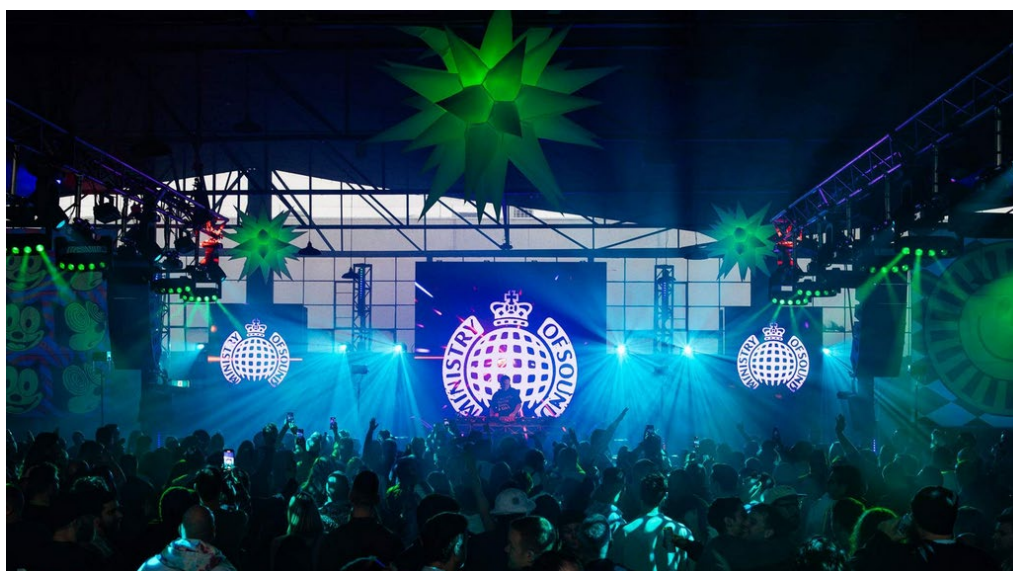
1. [↓](#) Ministry of Sound 2025 Traffic Management Plan



TRAFFIC MANAGEMENT PLAN

Ministry of Sound Testament

White Bay Power Station



**Friday 4th, Saturday 5th, Friday 11th and
Saturday 12th April 2025**

PREPARED FOR

ORBIT

FOR TMRW EVENTS

by CATO Location Services

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STATEMENT OF CONFIDENTIALITY & NON-DISCLOSURE

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DOCUMENT CONTROL

This document is uncontrolled once printed – the final version with specifications and site diagrams will be locked for printing and restricted by password.

A copy of the final version will be supplied to the event organiser prior to the event.

Version	Prepared by	Date	Comments	Reviewed by
1.0	Craig Hunter	29/01/2025	First Draft	Kieran Cato



DEFINITIONS

Term	Definition
TMP	Transport Management Plan
TGS	Traffic Guidance Scheme
VMS	Variable Message Sign
HVM	Hostile Vehicle Mitigation
TMC	Transport Management Centre
SMP	Security Management Plan
TfNSW	Transport for NSW

REFERENCE DOCUMENTS

Title	Version
Guide to Traffic and Transport Management for Special Events	v4, July 2024
Traffic Control at Worksites Technical Manual	v6.1, February 2022
Workplace Health and Safety ACT NSW	2011
Workplace Health and Safety ACT Amendments NSW	2023
Workplace Health and Safety Regulations NSW	2017
Safe Work NSW website – www.safeworkaustralia.nsw.gov.au	Current website
Working near Sydney Light Rail – www.transdev.com.au/solutions/work-access-permits/	Current website.
Safe Work Code of Practice – First Aid in the workplace	January 2020
Safe Work Code of Practice – Hazardous Manual Tasks	August 2019
Safe Work Code of Practice – Managing the risks of plant in the workplace	December 2022
Safe Work Code of Practice – How to manage work health and safety risks	August 2019
Safe Work Guideline – Traffic Management: Guide for Events	April 2021



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1. GENERAL EVENT INFORMATION

1.1. EVENT SUMMARY

Ministry of Sound Testament event is back in 2025 at White Bay Power Station on Roberts Street Rozelle, which will host a music party on four separate dates Friday 4th, Saturday 5th, Friday 11th and Saturday 12th April 2025.

Ministry of Sound music events started in the 90's and continued through till the late 2000's, so you couldn't be in better hands to get retro via old-school 90s and 00s music. The Testament event last took place in Sydney at White Bay Power Station in 2024 and will return again this year.

With 23 years' history across recorded music, events, artist bookings and management, TMRW Music Group are Australia's most widely experienced and respected electronic music company. We represent Australia's leading electronic artists, as well as some of the world's leading music brands, including original super club Ministry of Sound, PNAU, Grammy nominated Fisher and one of Edinburgh Fringe Festival's most enduring acts, Hot Dub Time Machine. We have produced some of the most renowned music events and festivals including Ministry of Sound Classical, weekly super club events Pacha and Ministry of Sound Club, Norman Jay's Good Times, Weekend in Residence with Sasha & John Digweed, Eighty-Six events and Faction.

Placemaking NSW, Event Managers and CATO Location Services wish to acknowledge the Gadigal and Wangal band of the Eora nation as the Traditional Custodians of the local area.



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1.2. TRAFFIC IMPACT SUMMARY

This TMP needs to be produced in conjunction with SMP/Crowd management plan so we can deliver an infrastructure Crowd and transport management plan. The event security provider will produce the SMP/Crowd management plan.

Ministry of Sound testament event Rozelle involves stop/slow traffic control on Robert Street between Mullens Street and Buchanan Street, Rozelle.

To support the event area the following location is to be closed at pedestrian egress period with formal road closures if required, also known as a "hard road closure" in the event the crowd cannot be controlled/under police direction for pedestrian safety.

- + Robert St right hand turn lane on to Victoria Rd, Rozelle
- + Robert St right hand turn lane on to Mullens St, Rozelle

Pedestrian access will be maintained along all existing footpaths and crossings along streets surrounding the event area. Pedestrian access lanes and crossing will be implemented along Roberts Street to provided pedestrians safe access to the event area. To further manage any pedestrian impacts due to the event please refer to the Security Management Plan by contacting the event organiser as listed in section 1.4 of this document

1.3. EVENT DETAILS

Event Dates:	Friday 4 th , Saturday 5 th , Friday 11 th and Saturday 12 th April 2025
Event Times:	1600-2400
Event Venue:	White Bay Power Station, Rozelle
Expected Attendance:	Approximately 4,000 people
Bump In Start:	0800 Friday 4 th and Friday 11 th April 2025
Traffic Setup Start:	1200 Friday 4 th , Saturday 5 th , Friday 11 th and Saturday 12 th April 2025
Event Starts:	1600 Friday 4 th , Saturday 5 th , Friday 11 th and Saturday 12 th April 2025
Event Finishes:	2400 Saturday 5 th , Sunday 6 th , Saturday 12 th and Sunday 13 th April 2025
Traffic Closure Start:	1600 Friday 4 th , Saturday 5 th , Friday 11 th and Saturday 12 th April 2025
Traffic Closure End:	0100 Saturday 5 th , Sunday 6 th , Saturday 12 th and Sunday 13 th April 2025
Bump Out Start:	0600 Sunday 6 th April and Sunday 13 th April 2025



1.4. KEY EVENT CONTACTS

Event Organiser:	Orbit for TMRW Events
Event Manager:	Courtney Duka
Event Manager Phone:	0437 421 524
Event Manager Email:	Courtney@orbit.company
Venue Owner:	Placemaking NSW
Venue Manager:	Chris Jarvis
Venue Owner Phone:	0461 305 329
Venue Manager Email:	chris.jarvis@property.nsw.gov.au
Police Area Command:	Leichhardt PAC
Police Contact:	Peter Hibbert
Police Phone:	02 9552 8099
TfNSW Contact:	TBC
TfNSW Phone:	TBC
TfNSW Email:	TBC
Traffic Control Provider:	CATO Location Services
Traffic Control Contact:	Craig Hunter
Traffic Control Phone:	0482 806 958
Traffic Control Email:	craig@catolocationservices.com.au



2. EVENT LOCATION

Ministry of Sound Testament event is being held at the newly reopened White Bay Power Station on Roberts Street, Rozelle.



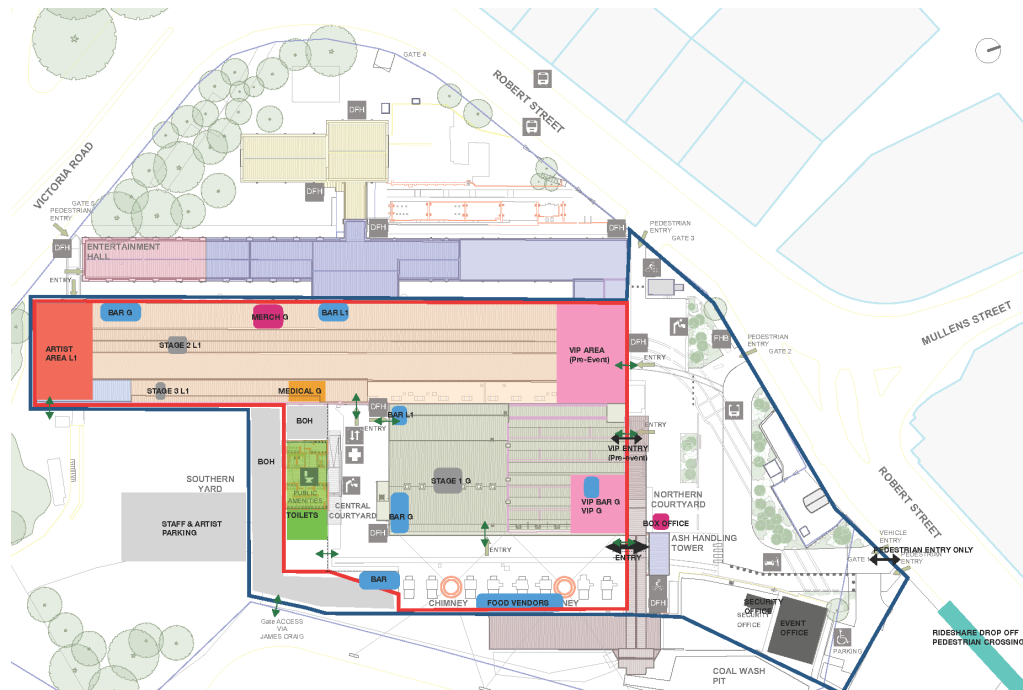
Ministry of Sound Testament Event Location (Listed in Yellow) noting the surrounding roads affected (In Blue)



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2.1. EVENT SITE MAP



A detailed event site plan is being prepared and will be updated closer to the event within the Event Management Plan. Refer to the Event Organiser in section 1.4 of this document for the latest site plan.



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3. WORKPLACE HEALTH & SAFETY

3.1. RISK ASSESSMENT PLANS

A Risk Management approach is a fundamental part of the planning for any event. The safety risk identification, assessment and control processes are legal obligations (as per the WHS Act and Regulation 2011) and should be aligned with AS/NZS ISO 31000 Risk Management – Principles and Guidelines. Broader event risk management is best practice and a fundamental part of due diligence.

Orbit Company has compiled Risk Assessments and site-specific safety plans for the events that are not included in this Transport Management Plan.

This section of the Transport Management Plan describes the possible issues/risks that may interfere with the event and the action to be taken to minimise the disturbance of the event.

Issues / Risks	Applicable	Action Taken
All one-way streets are as described	YES	Road closures, barricade and signage installed. Point duty by authorised Traffic Controllers.
Block access to local businesses	YES	Confirm list of letters to residents, businesses, and car parks. Advertisement of event to general public.
Block Police vehicle access	YES	Confirm access and consultation of routes to and within areas affected by closures with Emergency Services. HVM vehicles can be temporarily moved if required to allow for access. A driver will be available to facilitate this action
Block Ambulance access	YES	Confirm access and consultation of routes to and within areas affected by closures with Emergency Services. HVM vehicles can be temporarily moved if required to allow for access. A driver will be available to facilitate this action
Block fire station access	N/A	Normal access to fire station facilities are maintained. Confirm access and consultation of routes to and within areas affected by closures with Emergency Services. HVM vehicles can be temporarily moved if required to allow for access. A driver will be available to facilitate this action
Block heavy vehicle access	YES	All heavy vehicles are diverted before the closure.
Restricted movements banned turns, heavy/high vehicles	YES	All vehicles are diverted before the closure.
Block Public facility (football oval, car park etc.)	YES	Confirm list of letters to residents, businesses, and car parks. Advertisement of event to general public.
Block public transport access	NO	None required.



Can route use alternatives such as bicycle tracks, paths, parks, bush tracks etc.?	N/A	None required
Construction – existing, proposed that may conflict	N/A	None required
Numbers of lanes and their width are as described	YES	As described in lane closure TGS
Road signage existing/temporary	YES	None required Temporary signage Installed and removed by CATO. Special Event Clearway signage will be installed by the TfNSW.
Route impeded by traffic calming devices?	YES	Detour route
Signalised intersections (flashing yellow? Point duty?)	NO	As required by NSW Police
Tidal flows	N/A	None required
Traffic generators shopping centres, schools, churches, industrial area, hospitals	YES	Advertisement of event to general public.
Traffic movement contrary to any Notice	YES	Under the direction of traffic controllers and NSW police
Traffic signals are as described	YES	Controlled by TMC/NSW police
Turning lanes are as described	YES	None required
Letter Drop Zone Maps to indicate precincts mailed	YES	Notification to be arranged by Event Organiser 2 weeks prior
Heavy Weather	YES	Heavy weather may cause crowds to depart early or organiser consider delaying/cancelling the event
Flood hazard in event area	YES	Event organiser, TMC/TfNSW and Police provide diversions around flooded area.
Flood hazard at the parking area	NO	None required
Parking during Wet weather	YES	Local Car parks and street parking, area close is elevated.
Bush fire hazard	NO	For major local/regional bushfire hazard affecting general public health or transport to greater Sydney, take direction from NSW Police
Accident on surrounding roads	YES	If CCTV, monitored by TMC. Facilitate emergency response to area.
Breakdown on surrounding roads	YES	If CCTV, monitored by TMC. Facilitate emergency response to area.
Block public transport access	YES	Divert general public to next available transport, considering safety and circumstances. Relevant transport agency to employ appropriate steps to accommodate.



Delayed Event	YES	At the discretion of the event organiser
Cancellation of Event	YES	Cancellation of any aspect of the event will be communicated by the event organiser.
Security and crowd related issues of participants/general public	YES	Provided by event security provider.
Security of very important persons (VIP's)	YES	Provided by event organiser.
Operations beyond night fall	YES	None required
Vehicles parked in clearways	YES	Third-party tow truck entity to provide support to remove vehicles as a safety measure

3.2. PUBLIC LIABILITY INSURANCE

TMRW Events has Public Liability Insurance to the value of \$20,000,000. This policy covers all activities taking place as part of Ministry of Sound testament event Rozelle, A copy of the current policy is contained in this document.

All contractors completing activities as part of this event are also required to hold a valid Public Liability Insurance to the value of \$20,000,000.

All companies producing advice or providing consulting services on event are required to have a minimum Public Liability Insurance to the value of \$5,000,000.

3.3. NSW POLICE FORCE

The Leichhardt Police Area Command (PAC) will be involved in the planning of Ministry of Sound testament event Rozelle, via Council's Traffic Committee including aspects relating to use of the roadway, closure of selected roads and hostile vehicle mitigation. They will be formally notified at least two weeks prior to the event taking place.

User Pays Police will be engaged by the event organisers based on guidance from PAC, in conjunction with the relevant Security Management Plan.



3.4. NSW FIRE & RESCUE AND NSW AMBULANCE

NSW Fire & Rescue and NSW Ambulance will be notified at least two weeks prior to the event taking place.

3.5. EVENT DELAYS, POSTPONEMENT OR CANCELLATION

Any decision to delay, postpone or cancel the event due to weather impacts or any other reason will be made by the Event Organiser and follow their protocols for emergency management. Once any decision is made in this regard it will be communicated to all relevant stakeholders as per the event's Emergency Management Plan.



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4. TRAFFIC AND TRANSPORT MANAGEMENT

4.1. EVENT IMPACT ON ROAD NETWORK

Every effort has been made to minimise the disruption to road users, residents and businesses by implementing local access closure points. Access is maintained outside of the event area throughout the event. Road closures are only implemented by order of NSW police to ensure public safety during event egress.

4.2. VEHICLE ACCESS TO THE EVENT SITE

To ensure public safety, all vehicle access will be at the discretion of the Event Manager and will be strictly limited to walking pace only. Limited access to the event site and road closure will be permitted as follows:

Core management and artist access during event period will be via the Southern Yard Only. Vehicles must submit details to the Event Manager to add to the vehicle schedule at least 2 days before the event.

Vehicles must display a car park pass, provided by the event, that contains car and driver details. They will not be able to access this area without the car park pass.

No vehicles will be permitted access to the event site via the Northern Forecourt (existing traffic loop) other than emergency vehicles.



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4.3. SPECIAL EVENT CLEARWAYS

The need for a special event clearway has been considered irrelevant due to the event's location and duration. The event organisers have engaged Cato Location Services to barricade all parking spaces within the event area the night before the event commences.

The following streets will be barricaded to accommodate the event area as per TGS MOS1-3A.

Name	Cross Streets	Side
Robert St	Between Mullens St and Buchanan St	Both Sides
Mullens St	Between Crescent St and Mansfield St	Both Sides

There is limited street parking available for participants of the event, the event organiser will promote public transport as the best way of getting to the event due to its proximity to regular bus services.

For more information: <https://transportnsw.info/trip#/trip>

4.4. IMPACTS ON PUBLIC TRANSPORT

Ministry of Sound testament event will be held in Rozelle on Friday 4th, Saturday 5th, Friday 11th and Saturday 12th April 2025.

4.4.1. BUSES

Buses will be permitted around the closure at all times of the event, a traffic controller will manage the ingress/egress during event hours. No buses or bus stops will be affected by the closure for the event.

All other services around Rozelle will remain unaffected. The bus service provider, Transport for NSW, will advise public transport users via their websites and apps. Advice will also be provided on the event page on Council's website and social media platforms.

4.4.2. TRAIN SERVICES

It is anticipated that there will be no impact on Sydney Trains services, their passengers or operations, as there are no services in the area.



4.4.3. TAXI AND RIDE-SHARE PROVIDERS

Taxi and ride-share providers will have specific drop/collection areas that will be installed for the event and will continue to have access to the road network around the closures as per other road users. Taxis will have a designated route to the specific collection area, map has been provided below for the proposed taxi route.



Taxi route to temporary taxi zone (In Blue)



4.5. CHANGES TO CYCLE ROUTES

The closure of Robert Street will not significantly affect designated cycling routes through Rozelle. Cyclists will still be able to dismount and walk their bikes around the event site. All existing cycle routes will remain in place and operational around the event site.

4.6. HOSTILE VEHICLE MITIGATION

The closure of the streets is designed to provide an extended pedestrian-friendly area for the event to operate in and for pedestrians to participate.

The Event Organiser may, in conjunction with the nominated Security Advisor, produce a Hostile Vehicle Mitigation, and Target Hardening Plan for the event. Cato Location Services can also provide this service.

When the closures are installed, applicable hostile vehicle mitigation (HVM) vehicles or barriers will be placed at each entry point as noted on the HVM Risk Assessment at the direction of the nominated HVM Security Advisor to prevent access to the site by unauthorised or errant vehicles. A driver for each vehicle will always be present in case the vehicle needs to be moved to allow access for emergency vehicles.

Once the HVM install is complete, the nominated Security Advisor will be on site to authorise the implementation, the positioning and suitability of all devices.

Authorisation is to be granted from the Event Manager for vehicles to be moved once in position for access when required.

4.7. RE-OPENING ROADS AFTER THE EVENT

The road closures on Robert Street are planned to re-open at midnight Sunday, however this may occur earlier if the road is clear and it is safe to do so under orders from NSW police or event organisers.



4.8. TRAFFIC CONTROL

The implementation of the traffic guidance schemes, including road closures, will be supervised by an accredited Traffic Manager from CATO Location Services.

Temporary traffic control equipment, barricades, and signage must be placed in accordance with the Traffic Guidance Schemes by qualified traffic controllers who possess a TfNSW execute traffic guidance schemes certification.

Other qualifications that are required by the authorised traffic controllers include (but not limited to):

- + General Construction Induction (also known as “White Card”)
- + Traffic Controller Licence (also known as “Blue Card”)
- + Implement Traffic Control Licence (also known as “Yellow Card”)
- + Prepare Work Zone TMP Licence (also known as “Orange Card”)



5. MINIMISING IMPACT ON THE NON-EVENT COMMUNITY

5.1. ACCESS FOR LOCAL RESIDENTS AND BUSINESSES

The road closure area for Ministry of Sound testament event Rozelle includes a number of businesses fronting Robert Street. Pedestrian access to these businesses and residences will be maintained, Businesses and resident vehicle access will be permitted around the event site.

The Event Organiser will notify all residents and businesses impacted by the event including confirmation of the restricted vehicle movements during the event operating times. This will include reviewing any requirements for changes to commercial waste collection times and/or locations.

5.2. ACCESS FOR EMERGENCY VEHICLES

A minimum four metre emergency lane will be maintained along the entire closure, beyond the HVM vehicles. There will be no event infrastructure in the emergency lane. Traffic controllers will be onsite to assist emergency vehicle through the closure points. While HVM measures will be in place, a driver for all vehicles will always be present in case the vehicle needs to be moved to allow access for emergency vehicles.

5.3. ADVERTISING TRAFFIC MANAGEMENT ARRANGEMENTS

The Event Organiser will advertise the road closures via social media and on Council's website. A letterbox drop will be conducted to all resident and businesses in the immediately vicinity of the event sites and road closures as well as the surrounding streets in Rozelle.

5.4. EVENT PROMOTION

The Event Organiser will promote Ministry of Sound testament event Rozelle and the road closures taking place using a variety of methods in the weeks preceding the event including:

- + Council's social media platforms
- + Council's website
- + Local signage where available



5.5. VARIABLE MESSAGE SIGNS

TGS: MOS1-5

Location 1	Messages	
	<p>PRIOR TO EVENT DAY 1 AND 2 0700 (FRI 28/03/25) TO 0700 (FRI 04/04/25)</p> <p>PRIOR TO EVENT DAY 3 AND 4 0800 (SUN 06/04/25) TO 0700 (FRI 11/04/25)</p>	<p>EVENT DAY 1 AND 2 0700 (FRI 04/04/25) TO 0800 (SUN 06/04/25)</p> <p>EVENT DAY 3 AND 4 0700 (FRI 11/04/25) TO 0800 (SUN 13/04/25)</p>
Robert St, (Facing south)	<p>MUSIC EVENT MINISTRY OF SOUND</p> <hr/> <p>EVENT DATES 4TH, 5TH, 11TH AND 12TH OF APRIL</p> <hr/> <p>ROBERT ST ROAD WORK 8AM TILL 1AM</p>	<p>MUSIC EVENT TODAY 4PM TILL MIDNIGHT</p> <hr/> <p>ROBERT ST ROAD WORK 8AM TILL 1AM</p> <hr/> <p>ROAD WORK ON SIDE ROAD</p>



TGS: MOS1-6

Location 2	Messages	
	PRIOR TO EVENT DAY 1 AND 2 0700 (FRI 28/03/25) TO 0700 (FRI 04/04/25)	EVENT DAY 1 AND 2 0700 (FRI 04/04/25) TO 0800 (SUN 06/04/25)
	PRIOR TO EVENT DAY 3 AND 4 0800 (SUN 06/04/25) TO 0700 (FRI 11/04/25)	EVENT DAY 3 AND 4 0700 (FRI 11/04/25) TO 0800 (SUN 13/04/25)
Robert St, (Facing north)	MUSIC EVENT MINISTRY OF SOUND EVENT DATES 4TH, 5TH, 11TH AND 12TH OF APRIL ROBERT ST ROAD WORK 8AM TILL 1AM	MUSIC EVENT TODAY 4PM TILL MIDNIGHT ROBERT ST ROAD WORK 8AM TILL 1AM ROAD WORK AHEAD



6. APPROVALS

6.1. EVENT ORGANISER APPROVAL

TMP Approved by:

.....
(Name)

.....
(Signature) (Date)

6.2. AUTHORISATION TO REGULATE TRAFFIC

Council's traffic management requirements have been met. Regulation of traffic is therefore authorised for all non-classified roads described in the risk management plans and this TMP.

Regulation of Traffic Authorised by:

.....
(Council)

.....
(Name)

.....
(Signature) (Date)



The Transport for New South Wales (TfNSW) traffic management requirements have been met. Regulation of traffic is therefore authorised for all classified roads described in the risk management plans and this TMP.

Regulation of Traffic Authorised by:

.....
(TfNSW)

.....
(Name)

.....
(Signature) (Date)



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6.3. PUBLIC LIABILITY INSURANCE



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7. ATTACHMENTS

7.1. TRAFFIC GUIDANCE SCHEMES

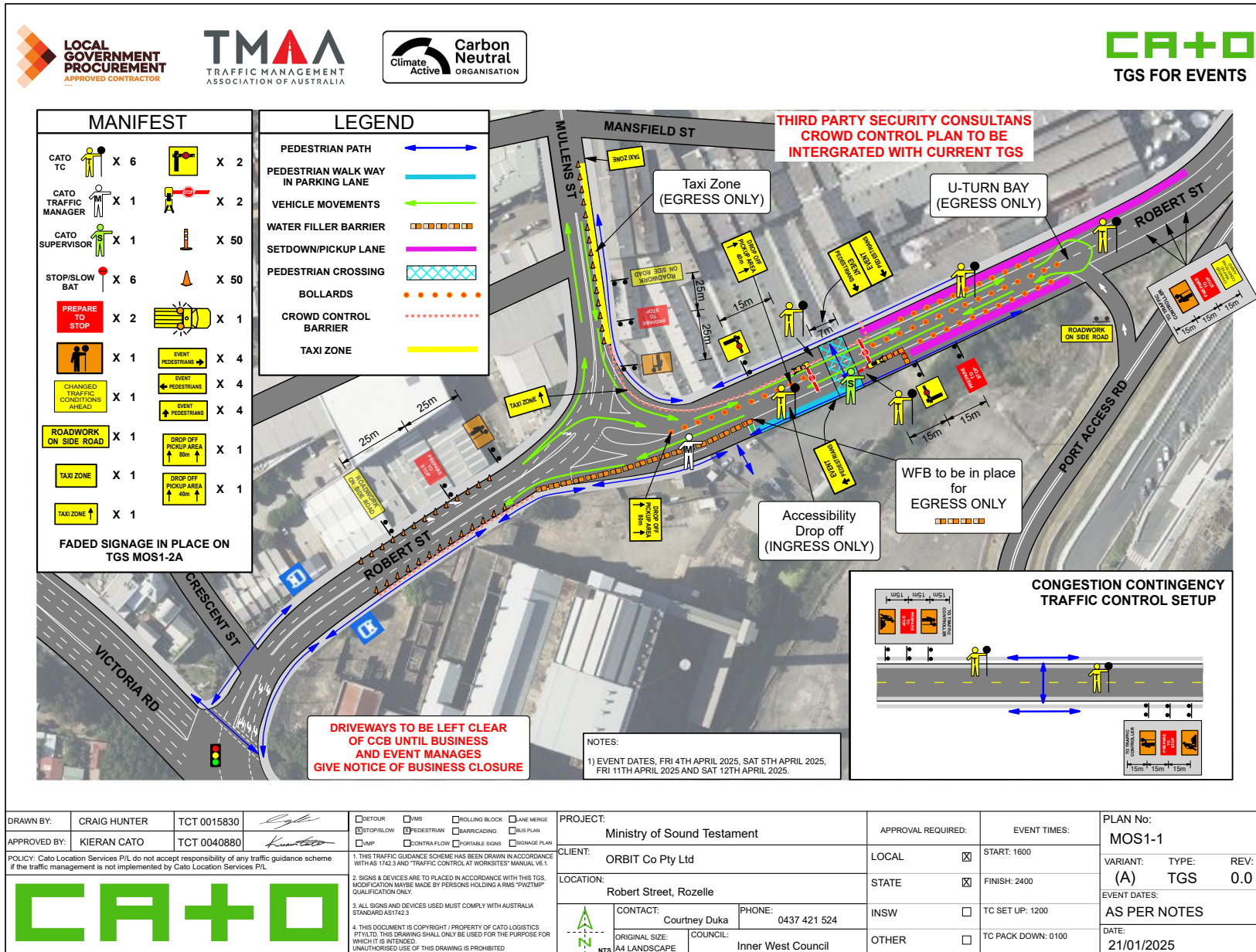
TGSs are provided on the following pages showing:

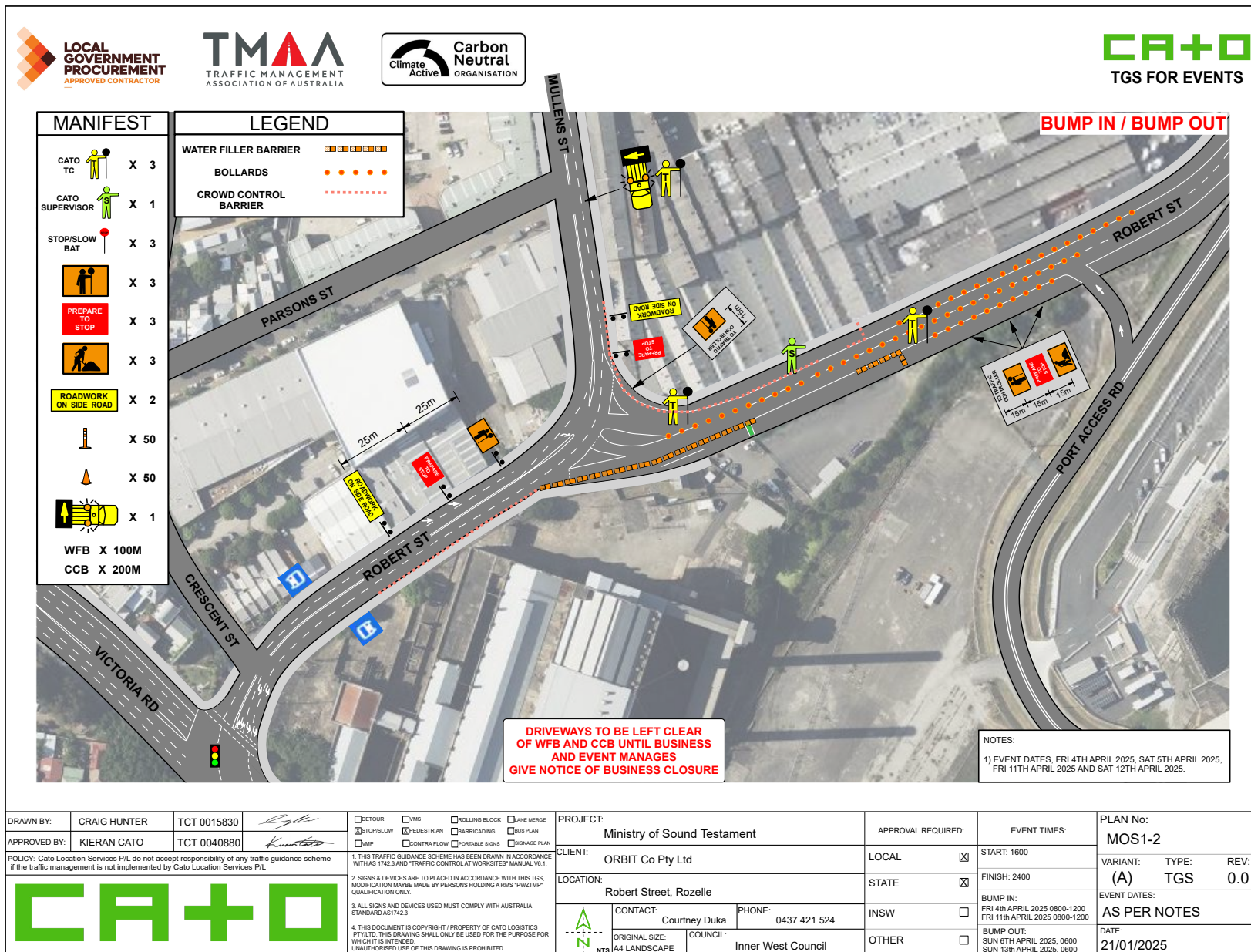
- + The overall location and TGS plan.
- + Bump In, Bump out TGS.
- + Barricading TGS.
- + The traffic management measures in place to facilitate the egress road closure contingency TGS plan under direction of NSW police.
- + VMS TGS plan.

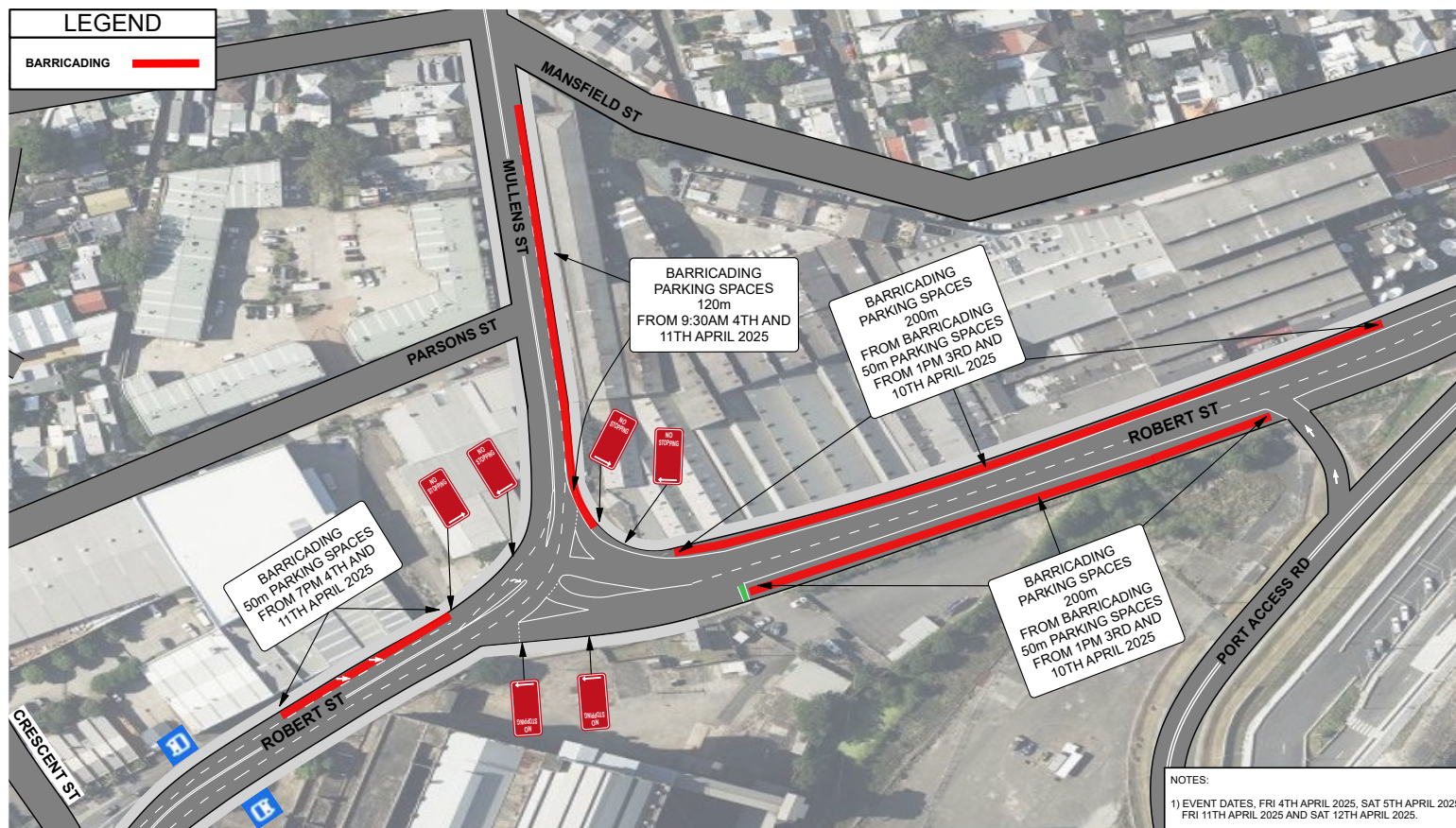


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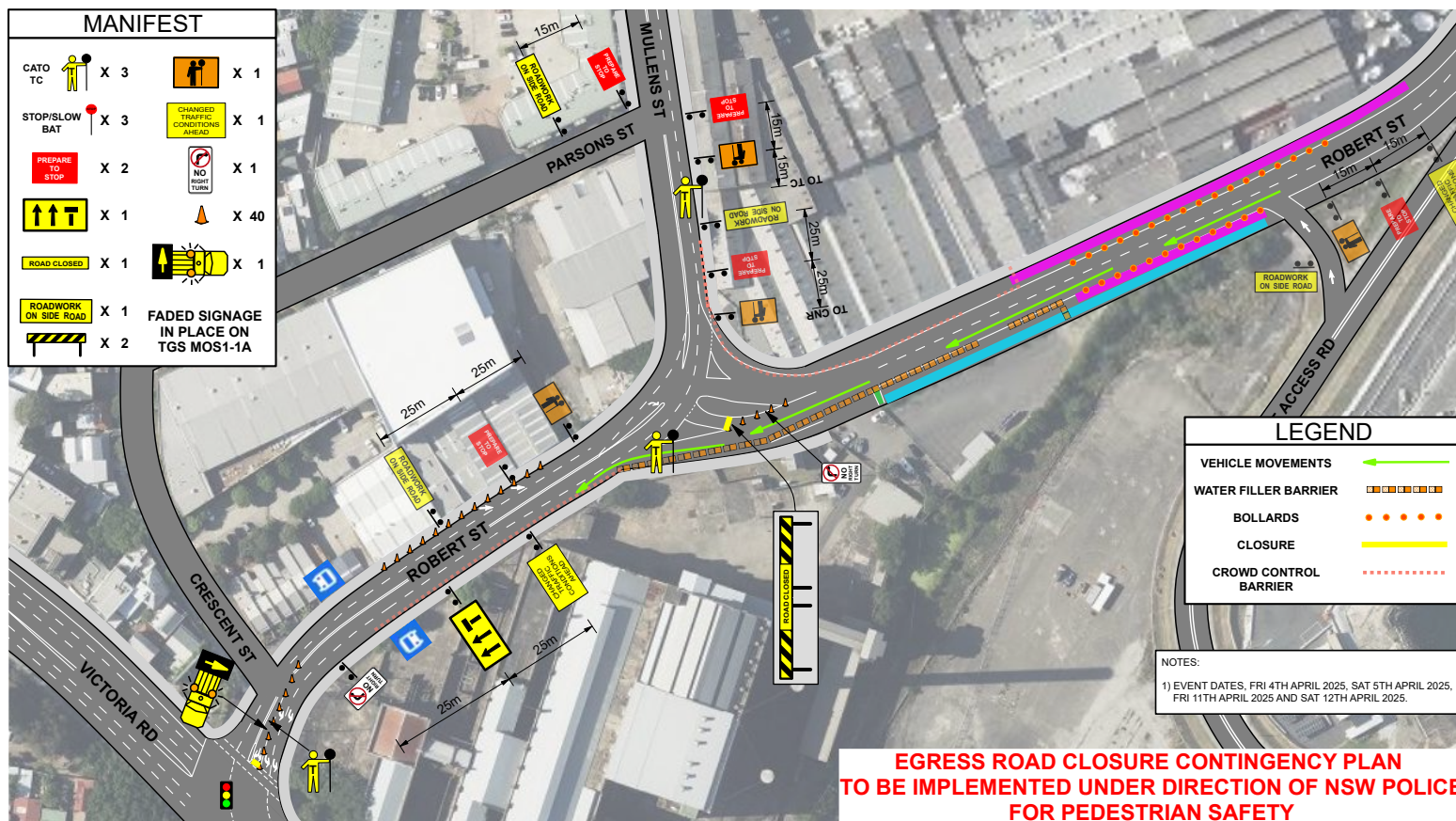







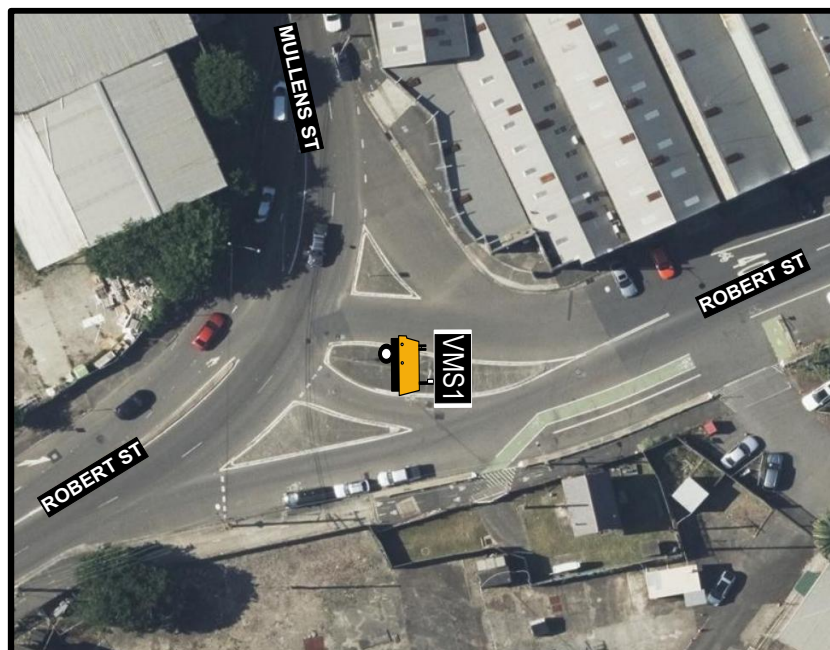


DRAWN BY:	CRAIG HUNTER	TCT 0015830		<input type="checkbox"/> CLOSURE	<input type="checkbox"/> RMS	<input type="checkbox"/> ROLLING BLOCK	<input type="checkbox"/> JANE MERGE	PROJECT:	Ministry of Sound Testament		APPROVAL REQUIRED:	EVENT TIMES:	PLAN No:
APPROVED BY:	KIERAN CATO	TCT 0040880		<input type="checkbox"/> RTORFLOW	<input type="checkbox"/> PEDESTRIAN	<input type="checkbox"/> BARRICADING	<input type="checkbox"/> BUS PLAN	CLIENT:	ORBIT Co Pty Ltd		LOCAL	<input checked="" type="checkbox"/> START: 1600	MOS1-3
POLICY: Cato Location Services P/L do not accept responsibility of any traffic guidance scheme if the traffic management is not implemented by Cato Location Services P/L.				<input type="checkbox"/> TMP	<input type="checkbox"/> CONTRA FLOW	<input type="checkbox"/> PORTABLE SIGNS	<input type="checkbox"/> SIGNAGE PLAN	LOCATION:	Robert Street, Rozelle		STATE	<input type="checkbox"/> FINISH: 2400	VARIANT: (A)
1. THIS TRAFFIC GUIDANCE SCHEME HAS BEEN DRAWN IN ACCORDANCE WITH AS 1742.3 AND "TRAFFIC CONTROL AT WORKSITES" MANUAL, V1.1.				2. SIGNS & DEVICES ARE TO BE PLACED IN ACCORDANCE WITH THIS TGS. MODIFICATION MAY BE MADE BY PERSONS HOLDING ANS "PWZTMP" QUALIFICATION ONLY.				CONTACT:	Courtney Duka	PHONE:	0437 421 524	INSW	TYPE: TGS
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												EVENT DATES:	AS PER NOTES
												DATE:	29/01/2025

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APPROVED BY:	KIERAN CATO	TCT 0040880		<input type="checkbox"/> STOP/SLOW	<input type="checkbox"/> PEDESTRIAN	<input type="checkbox"/> BARRICADE	<input type="checkbox"/> BUS PLAN	CLIENT:	ORBIT Co Pty Ltd		LOCAL	<input checked="" type="checkbox"/>	START: 1600		MOS1-4			
				1. THIS TRAFFIC GUIDANCE SCHEME HAS BEEN DRAWN IN ACCORDANCE WITH AS 1742.3 AND "TRAFFIC CONTROL AT WORKSITES" MANUAL, V1.1.				LOCATION:	Robert Street, Rozelle		STATE	<input checked="" type="checkbox"/>	FINISH: 2400		VARIANT:	TYPE:	REV:	
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				4. THIS DOCUMENT IS COPYRIGHT / PROPERTY OF CATO LOGISTICS PTY/LTD. THIS DRAWING SHALL ONLY BE USED FOR THE PURPOSE FOR WHICH IT IS INTENDED. UNAUTHORISED USE OF THIS DRAWING IS PROHIBITED				ORIGINAL SIZE:	A4 LANDSCAPE	COUNCIL:	Inner West Council	OTHER	<input type="checkbox"/>	PACK DOWN: 0200		DATE:		
														AS PER NOTES				
														21/01/2025				



	PRIOR TO EVENT DAY 1 AND 2 0700 (FRI 28/03/25) TO 0700 (FRI 04/04/25)	EVENT DAY 1 AND 2 0700 (FRI 04/04/25) TO 0800 (SUN 06/04/25)
	PRIOR TO EVENT DAY 3 AND 4 0800 (SUN 06/04/25) TO 0700 (FRI 11/04/25)	EVENT DAY 3 AND 4 0700 (FRI 11/04/25) TO 0800 (SUN 13/04/25)
FRAME 1	MUSIC EVENT MINISTRY OF SOUND	MUSIC EVENT TODAY 4PM TILL MIDNIGHT
FRAME 2	EVENT DATES 4TH, 5TH, 11TH AND 12TH OF APRIL	ROBERT ST ROAD WORK 8AM TILL 1AM
FRAME 3	ROBERT ST ROAD WORK 8AM TILL 1AM	ROAD WORK ON SIDE ROAD



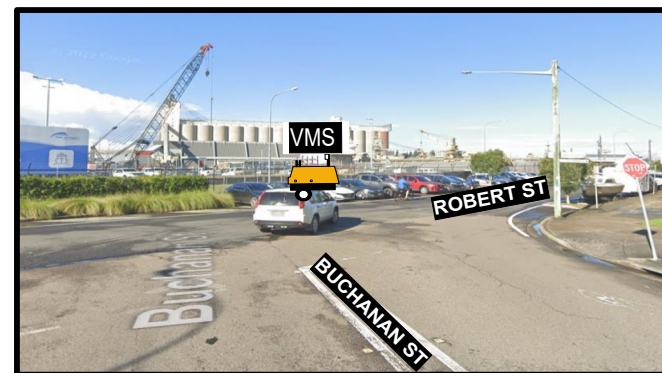
NOTES:
1) EVENT DATES, FRI 4TH APRIL 2025, SAT 5TH APRIL 2025,
FRI 11TH APRIL 2025 AND SAT 12TH APRIL 2025.

DRAWN BY: CRAIG HUNTER	TCT 0015830		<input type="checkbox"/> RETOUR <input type="checkbox"/> RTOPFLOW <input type="checkbox"/> TAMP	<input checked="" type="checkbox"/> VMS <input type="checkbox"/> PEDESTRIAN <input type="checkbox"/> CONTRA FLOW	<input type="checkbox"/> ROLLING BLOCK <input type="checkbox"/> BARRICADEING <input type="checkbox"/> PORTABLE SIGNS	<input type="checkbox"/> JANE MERGE <input type="checkbox"/> BUS PLAN <input type="checkbox"/> STORAGE PLAN	PROJECT: Ministry of Sound Testament CLIENT: ORBIT Co Pty Ltd LOCATION: Robert Street, Rozelle	APPROVAL REQUIRED: LOCAL <input checked="" type="checkbox"/> STATE <input checked="" type="checkbox"/> INSW <input type="checkbox"/> OTHER <input type="checkbox"/>	EVENT TIMES: START: 1600 FINISH: 2400 SET UP: PACK DOWN:	PLAN No: MOS1-5 VARIANT: (A) TYPE: TGS REV: 0.0 EVENT DATES: AS PER NOTES DATE: 29/01/2025		
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	PRIOR TO EVENT DAY 1 AND 2 0700 (FRI 28/03/25) TO 0700 (FRI 04/04/25)	EVENT DAY 1 AND 2 0700 (FRI 04/04/25) TO 0800 (SUN 06/04/25)
	PRIOR TO EVENT DAY 3 AND 4 0800 (SUN 06/04/25) TO 0700 (FRI 11/04/25)	EVENT DAY 3 AND 4 0700 (FRI 11/04/25) TO 0800 (SUN 13/04/25)
FRAME 1	MUSIC EVENT MINISTRY OF SOUND	MUSIC EVENT TODAY 4PM TILL MIDNIGHT
FRAME 2	EVENT DATES 4TH, 5TH, 11TH AND 12TH OF APRIL	ROBERT ST ROAD WORK 8AM TILL 1AM
FRAME 3	ROBERT ST ROAD WORK 8AM TILL 1AM	ROAD WORK AHEAD



NOTES:
1) EVENT DATES, FRI 4TH APRIL 2025, SAT 5TH APRIL 2025, FRI 11TH APRIL 2025 AND SAT 12TH APRIL 2025.

DRAWN BY:	CRAIG HUNTER	TCT 0015830		<input type="checkbox"/> RETOUR <input type="checkbox"/> RETOPELOW <input type="checkbox"/> VMP	<input type="checkbox"/> VMS <input type="checkbox"/> PEDESTRIAN <input type="checkbox"/> CONTRA FLOW	<input type="checkbox"/> ROLLING BLOCK <input type="checkbox"/> BARRICADEING <input type="checkbox"/> PORTABLE SIGNS	<input type="checkbox"/> JANE MERGE <input type="checkbox"/> BUS PLAN <input type="checkbox"/> SIGNAGE PLAN	PROJECT:	Ministry of Sound Testament		APPROVAL REQUIRED:	LOCAL <input checked="" type="checkbox"/>	EVENT TIMES:	START: 1600	PLAN No:	MOS1-6		
APPROVED BY:	KIERAN CATO	TCT 0040880		1 THIS TRAFFIC GUIDANCE SCHEME HAS BEEN DRAWN IN ACCORDANCE WITH AS 1742.3 AND "TRAFFIC CONTROL AT WORKSITES" MANUAL, V1.1. 2 SIGNS & DEVICES ARE TO BE PLACED IN ACCORDANCE WITH THIS TGS. MODIFICATION MAYBE MADE BY PERSONS HOLDING ARMS "PWZTMP" QUALIFICATION ONLY. 3 ALL SIGNS AND DEVICES USED MUST COMPLY WITH AUSTRALIA STANDARD AS1742.3 4 THIS DOCUMENT IS COPYRIGHT / PROPERTY OF CATO LOGISTICS PTY/LTD. THIS DRAWING SHALL ONLY BE USED FOR THE PURPOSE FOR WHICH IT IS INTENDED. UNAUTHORISED USE OF THIS DRAWING IS PROHIBITED			CLIENT:	ORBIT Co Pty Ltd		STATE	<input checked="" type="checkbox"/>	FINISH: 2400	VARIANT:	(A)	TYPE:	TGS	REV:	0.0
POLICY: Cato Location Services P/L do not accept responsibility of any traffic guidance scheme if the traffic management is not implemented by Cato Location Services P/L.								LOCATION:	Robert Street, Rozelle		INSW	<input type="checkbox"/>	SET UP:	EVENT DATES:				
								CONTACT:	Courtney Duka	PHONE:	0437 421 524	OTHER	<input type="checkbox"/>	PACK DOWN:	DATE:			
								ORIGINAL SIZE:	A4 LANDSCAPE	COUNCIL:	Inner West Council					AS PER NOTES		
															29/01/2025			

Item No: LTC0225(1) Item 9

Subject: LILYFIELD ROAD, LILYFIELD - BUS ZONE REMOVAL (BALUDARRI-BALMAIN WARD/BALMAIN ELECTORATE/LEICHHARDT PAC)

Prepared By: Amir Falamarzi - Traffic Engineer

Authorised By: Manod Wickramasinghe - Traffic and Transport Planning Manager

RECOMMENDATION

That removal of the existing Bus Zones on Lilyfield Road, in front of No.147 and No.158 Lilyfield Road, Lilyfield be approved.

STRATEGIC OBJECTIVE

This report supports the following strategic directions contained within Council's Community Strategic Plan:

2: Liveable, connected neighbourhoods and transport

EXECUTIVE SUMMARY

Council has been advised that the two Bus Stops in Lilyfield Road between Perry Lane and Rayner Street are now redundant due to revised bus routes in the area. As these stops are no longer operational, it is proposed that the Bus Zones be removed and reinstated as unrestricted parking.

BACKGROUND

Council has been advised that there have been changes in the bus routes in Lilyfield Road and Bus Stops ID 204077 and ID 204084 are no longer operational and will be removed by Transit Systems. The corresponding Bus Zone signs as shown in Figure 1 are proposed to be removed as part of this change.



Figure 1: The locations of the Bus Zone infrastructure

DISCUSSION

The removal of the proposed Bus Stops will include removal of associated J-stem signs, tactile paving, concrete slab and street bench (in front of No.147 Lilyfield Road) as illustrated in Figure 2 and 3.

The removal of Bus Zone signs will result in the reinstatement of two (2) unrestricted parking spaces on Lilyfield Road between the existing 'No Stopping' zone east of Perry Lane and the driveway of No.147 Lilyfield Road. The removal of the Bus Stop outside No.158 Lilyfield Road will reinstate one (1) parking space.



Figure 2: Bus Zone infrastructure removal outside No.147 Lilyfield Road, Lilyfield



Figure 3: Bus Zone infrastructure removal outside No.158 Lilyfield Road, Lilyfield

FINANCIAL IMPLICATIONS

These minor works can be accommodated under Council's operational budget.

ATTACHMENTS

Nil.

Item No: LTC0225(1) Item 10

Subject: ROBERT STREET AT HOLDEN STREET, ASHFIELD- NEW AT-GRADE PEDESTRIAN (ZEBRA) CROSSING- AMENDED PLAN
(DJARRAWUNANG-ASHFIELD WARD/SUMMER HILL ELECTORATE/BURWOOD PAC)

Prepared By: Boris Muha - Traffic Engineer

Authorised By: Manod Wickramasinghe - Traffic and Transport Planning Manager

RECOMMENDATION

That the detailed amended design plan (10302-A) for a proposed new at-grade pedestrian (zebra) crossing in Robert Street at its intersection with Holden Street, Ashfield, with associated signs and line marking (as shown in Attachment 1) be approved.

STRATEGIC OBJECTIVE

This report supports the following strategic directions contained within Council's Community Strategic Plan:

2: Liveable, connected neighbourhoods and transport

EXECUTIVE SUMMARY

Council at its meeting on the 18 March 2024 (through its Traffic Committee 11 December 2023) approved in principle a series of proposed pedestrian (zebra) crossings and kerb extension treatments (under concept) with other auxiliary works (relocation of bus stops, inclusion of raised platform thresholds) for improved pedestrian and road safety around and near to the Cardinal Freeman (Retirement) Village, Ashfield.

This report describes and shows the amended detailed design plan of one of the proposed treatments involving the placing of a pedestrian (zebra) crossing in Robert Street, at the intersection of Holden Street, Ashfield. This work is programmed and envisaged to be constructed in the 2025/2026 financial year, subject to funding.

BACKGROUND

The detailed design plan proposal was initially reported to Local Traffic Committee at its meeting on 9 December 2024. The Representative for the Transport for NSW raised concerns regarding the crossing not being entirely at the intersection nor offset from the intersection by a vehicle length (approximately 6 metres). Due to this, vehicles could stop partially over the pedestrian crossing which could reduce motorist sightlines to pedestrians wishing to cross.

The item was deferred to allow for further investigations regarding the proposed location of the crossing and other potential options.

DISCUSSION

The following information was provided in the discussion at the traffic committee meeting on the 9 December 2024 and is re-produced in this report with the amended plan detail as reported below and as shown in the plan *Attachment 1*.

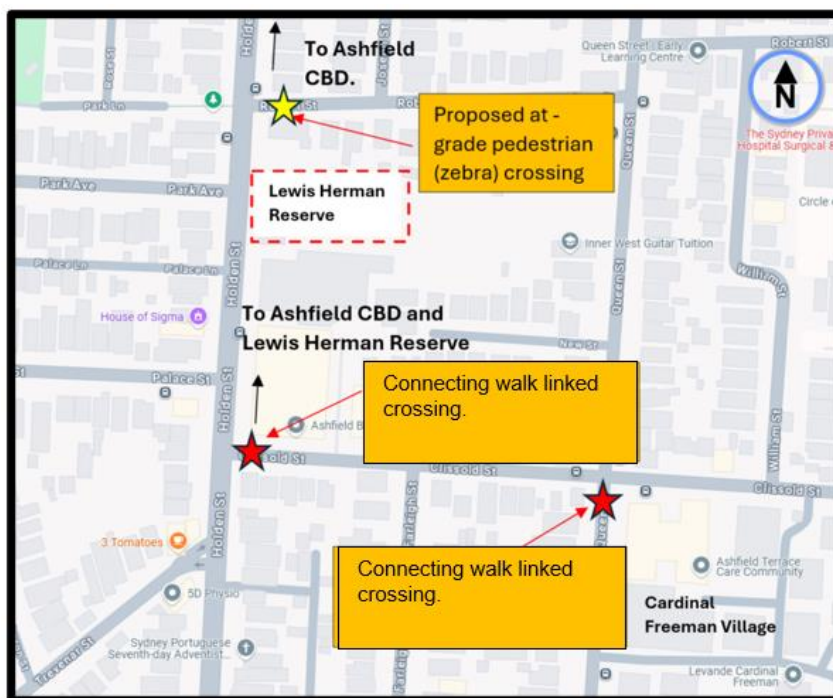


Figure 1. Locality Plan

Street Name	Robert Street at Holden Steet
Carriageway width (m) kerb to kerb	Approx. 6.4m.
Carriageway type	Two-way, one travel lane each direction.
Classification	Local
Speed Limit km/h	50
85 th percentile speed km/h	30
Vehicles per day (vpd)	2500
Last available 5 years of TfNSW recorded crash history	NIL in last 5 years in Robert Street at the intersection with Holden Street.
Parking arrangements	Parking is available in the northern side however there are 'No Stopping' restrictions on the southern side.
Side street(nearest or along)	Holden Street.

Table 1. Road Network detail.

The Plan

The following works are proposed and are illustrated on the amended plan shown in Attachment 1.

Robert Street, Ashfield (Plan No. 10302):

- Resurface the road pavement with new asphalt and provide new pedestrian crossing markings and associated signage to formalise a new pedestrian crossing;
- Remove old kerb pram ramps and construct new in line kerb ramps on either side of the new pedestrian crossing in Robert Street at its intersection with Holden Street;

- Reconstruct some kerb and gutter with new concrete kerb & gutter (generally where shown on the plans);
- Remove existing pits and pipes and provide new concrete dish drain across the intersection;
- Remove some damaged concrete footpaths and construct new concrete footpaths;
- Undertake some minor returfing works in the grass verge area to match new works; and
- Install new signage associated with the works.

Parking Changes

The works are fully contained within the existing 'No Stopping' zones of Robert Street. Therefore, the proposal will not result any loss of parking.

Streetlighting

The new pedestrian crossing will require new lighting for it to meet the minimum lighting safety and compliance standards. This may involve either 1 or 2 new flood lights provided on either side each of the new raised pedestrian crossings (on either existing or new power poles). *The attached plans indicatively show the locations of the proposed new flood lights and power poles, with the final location to be confirmed during the lighting design development phase of the project by qualified Electrical Consultant.*

Other Information

Council would normally raise pedestrian (zebra) crossings for ease of pedestrian access; however, in this case, the existing underground drainage and utilities in the vicinity of the proposed crossing raises the concern of additional excavation works which are deemed to be complex. As such Council has resorted to surface drainage works which features readjustments to the kerb and gutter as well as the installation of a dish drain, and resort to proposing an at-grade crossing in this case.

The proposed crossing links up with other proposed crossings to connect walking path movements to various desired destinations (e.g. Herman Lewis Reserve and Ashfield CBD.)- see *Figure 1*.

Amended Plan detail

Investigations reveal that the crossing could be set back within Robert Street by 5.5m from the STOP line, which is considered sufficient in length for a general size vehicle (i.e. a car) not to stop over the crossing.

Any further movement of the crossing back into Robert Street will impact on parking and interfere with an existing light pole to the southern side of road. The crossing would be away in sight view of traffic turning left and right from Holden Street if moved further into Robert Street.

The original (consultation) plan is shown below in *Figure 2* below to compare to the amended plan in *Attachment 1*.

The original plan also showed pram ramp re-construction to the crossing. It is proposed under the amended plan to include in line kerb ramps for narrow footpaths permitted under Australian Standards in lieu of the proposed pram ramps which were shown in the original consultation plans. The footpath on either side of the ramp is transitioned down to a lower path level onto the crossing, allowing improved landing and turning in and off the crossing.

The amended plan does not show an approach centre line in Robert Street. This is to avoid the hindering of traffic movement around the parked cars in Robert Street (as shown in the amended plan), and the occasional wide turning of larger vehicles from Holden Street. No centre line exists in Robert Street. The traffic volumes in Robert Street are considered low, nor has there been any recorded accident history to necessitate the need for line marking.

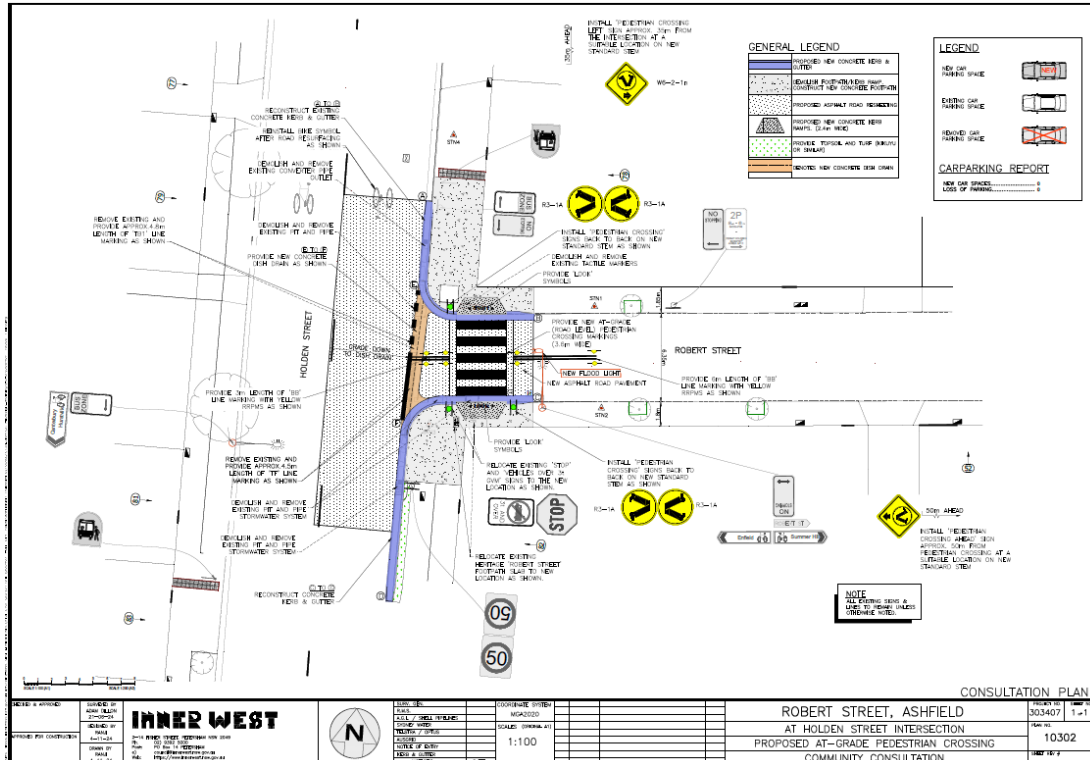


Figure 2-Original consultation plan.

FINANCIAL IMPLICATIONS

The project is listed in Council's Traffic Facilities Capital Works program to be carried out in 2025/2026, subject to grant funding approval. The work is estimated to be around \$92,000.

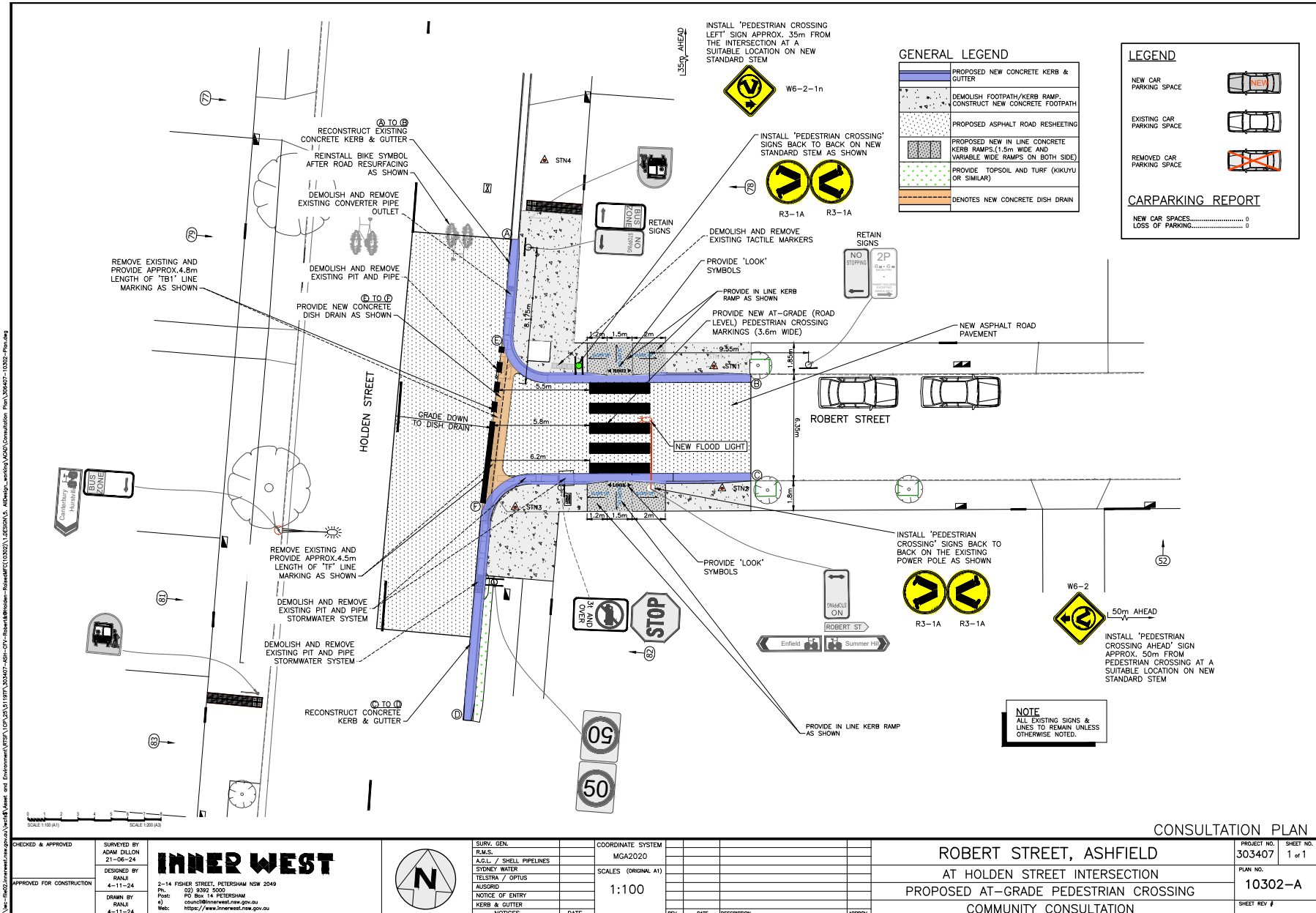
CONSULTATION

The relocation of the crossing a short distance into Robert Street is considered only to serve as a minor amendment not bearing any further or real impact upon the community. Therefore no additional consultation was undertaken.

Only one response was received to the original proposal with a resident concerned that a vehicle giving way to pedestrians may obstruct traffic on Holden Street. This concern is addressed by the revised proposal.

ATTACHMENTS

1. [Amended plan-Proposed at-grade crossing in Robert Street at Holden Street, Ashfield.](#)



Item No: LTC0225(1) Item 11
Subject: GOODSSELL STREET, ST PETERS - REQUEST FOR AN EXTENSION TO TIMES AND DAYS OF THE EXISTING RESIDENTIAL PARKING SCHEME (MIDJUBURI - MARRICKVILLE WARD / HEFFRON ELECTORATE / INNER WEST PAC)
Prepared By: Jennifer Adams - Traffic Engineer
Authorised By: Manod Wickramasinghe - Traffic and Transport Planning Manager

RECOMMENDATION

1. That the existing '2P 8.30am-6pm Mon-Fri', Permit Holders Excepted Area M12' resident parking restrictions on the northern side of Goodsell Street between Council Street and the units at no. 1 Goodsell Street be amended to '2P 8am to 10pm, Permit Holders Excepted Area M12' to provide all week parking opportunities for local residents.
2. That the existing '2P 8.30am-6pm Mon-Fri', Permit Holders Excepted Area M12' resident parking restrictions on the southern side of Goodsell Street between Council Street and May Lane be amended to '2P 8am to 10pm Mon-Fri, Permit Holders Excepted Area M12' to provide weekday parking opportunities for local residents and to provide opportunities for other users of local facilities as well.
3. That the '2P 8.30am-6pm Mon-Fri, Permit Holders Excepted Area M12' parking adjacent to no. 1 Goodsell Street to be amended to '2P 8am-6pm Mon-Fri, Permit Holders Excepted Area M12'.

STRATEGIC OBJECTIVE

This report supports the following strategic directions contained within Council's Community Strategic Plan:

2: Liveable, connected neighbourhoods and transport

EXECUTIVE SUMMARY

A petition has been received from 41 residents of Goodsell Street, St Peters for an extension to times and days of the existing Resident Parking Scheme (RPS) in their street. Concerns were also raised with possible greater demands for parking in the area after current Camdenville Oval Upgrade works are completed.

This report provides the results of the recent resident parking scheme investigation in Goodsell Street, St Peters and recommends the modification of existing resident parking restrictions from '2P 8.30am-6pm Mon-Fri, Permit Holders Excepted Area M12' to a combination of '2P 8am-10pm, Permit Holders Excepted Area M12', '2P 8am to 10pm Mon-Fri, Permit Holders Excepted Area M12' and '2P 8am-6pm Mon-Fri, Permit Holders Excepted Area M12'.

BACKGROUND

A petition signed by 41 local residents in Goodsell Street has been received for the provision of an extension to times and days of the existing Resident Parking Scheme in their street.

The existing M12 permit parking area in Goodsell Street, St Peters was implemented in 2008 after a petition was received by a number of residents at that time. The head petitioner at the time advised that on street parking spaces in Goodsell Street were heavily utilised by train

commuters and the parking situation became more difficult for residents due to the new block of residential units at No.1 Goodsell Street. Subsequently Council adopted the recommendation that '2P - 8.30AM-6.00PM Mon-Fri - Permit Holders Excepted - Area M12' parking restrictions be installed on both sides of Goodsell Street, between Council Street and May Lane, St Peters; Residents of the new development at 1 Goodsell Street were not eligible to participate in the scheme. The RPS was installed in July 2008.

Following the receipt of the current petition, Council Officers have recently carried out a parking utilisation survey in Goodsell Street on a typical Saturday and the results indicated high utilisation of on-street parking, so in late November 2024 a Resident Parking survey was undertaken of all residential properties in Goodsell Street, St Peters between Council Street and May Lane and also of residents in adjoining Council Street (10 Properties). This report details the results of the recent parking utilisation survey and Resident Parking survey.

DISCUSSION

Goodsell Street is a local residential street that runs east-west between Council Street and King Street (Princes Highway) and is in close proximity to St Peters Railway Station. It is 12.8 metres wide with one travel lane in each direction. Both parallel and angle parking is permitted on both sides of the street. At present, resident parking restrictions are in place for the parallel and angle parking on both sides of the street between Council Street and May Lane.

Parking Utilisation Survey:

A parking utilisation survey was undertaken in Goodsell Street, St Peters on a typical Saturday early November 2024 (between 7.00am and 7.00pm) to gauge current on-street parking utilisation. The results of the survey are summarised in the following table:

On-street parking survey results (weekend)

Street Name (Section & side)	No. parking spaces	Parking Utilisation Rate					
		7.00 AM	10.00 AM	1.00 PM	4.00 PM	7.00 PM	Average utilisation rate
Goodsell Street, St Peters							
Council Street to King Street (north side)	48	77.1%	81.1%	87.5%	87.5%	93.8%	85.4%
King Street to Council Street (south side)	56	89.3%	89.3%	94.6%	91.1%	89.3%	90.7%
Average utilisation rate		83%	85%	91%	89%	92%	

Average overall rate = 88%

The results of the weekend parking survey for Goodsell Street showed that the street had an average overall occupancy of 88% which exceeds Council's 85% threshold for parking occupancy for consideration for implementation or extension of a residential parking scheme.

Subsequently, a Resident Parking questionnaire survey was undertaken in Goodsell Street to gauge resident's support of an extension of time and days of the existing residential parking scheme.

Council proposed to expand the existing M12 RPS with the following proposal:

- Implement '2P 8.30AM - 10PM Monday to Sunday, Permit Holders Excepted, Area M12' on both sides of Goodsell Street between Council Street and May Lane, St Peters.

Council Policy/Guidelines

Council's adopted Policy for the introduction or extension of a Permit Parking Area states *"that before implementing a resident parking scheme in any area, a survey of residents be undertaken to ascertain the level of support for such a scheme and that such support should be in excess of 65% of submissions received provided that rate of return of submissions is reasonable (higher than 30%)"*.

"In completing this analysis Council may differentiate responses from those developments excluded from participation in a Resident Parking Scheme (Table 7.1)." (non-eligible properties).

Table 7.1 Developments Excluded from Permit Parking Schemes

LG Area	Development Type Excluded	Approved after
Camperdown, Dulwich Hill, Enmore, Lewisham, Marrickville, Newtown, Petersham, Stanmore, Sydenham St Peters, and Tempe. (Former Marrickville LGA)	Development involving land use changes, new commercial and /or multi-unit housing developments or where conditions of development consent exclude participation in a permit parking scheme.	1999

PUBLIC CONSULTATION

A total of 132 consultation letters were hand delivered to owners/occupiers of both eligible and non-eligible properties in Goodsell Street between May Lane and Council Street and also to Council Street residents, St Peters on 29 November 2024. Submissions closed on Friday 20 December 2024.

Distribution of letters are highlighted in the diagram below. Yellow being eligible properties and blue non-eligible.



At the end of the survey period thirty-one (31) responses were received. Twenty (20) were in support of the proposal and eleven (11) opposed the proposal. The overall response rate was 24%, and of that 35.5% opposed the proposal and 64.5% supported it.

Number of properties	-	132
Number of properties responded	-	31
Number of properties supported	-	20
Response Rate	-	24%
Support Rate	-	64.5%

There are 80 eligible properties in Goodsell Street, St Peters. Even though letters detailing the proposal were delivered to the multi-unit development at 1 Goodsell Street and to 10 residencies in Council Street, in general Council places a higher emphasis on responses from the residents of the single unit dwellings (in Goodsell Street) when making a determination when dealing with resident parking schemes.

The return and support rates of eligible Goodsell Street (eligible) properties are given below.

Number of eligible properties	-	80
Number of eligible properties responded	-	23
Number of eligible properties supported	-	19
Eligible Response Rate	-	29%
Eligible Support Rate	-	83%

Council guidelines state that there should be a response rate of 30% of households that were surveyed, with 65% of respondents supporting the proposal. In this case, the return rate and support rate of eligible Goodsell Street residents confirm support for an extension to times and days of the existing Resident Parking Scheme (RPS) in the street.

Note: In order to best gauge the level of support of directly affected residents, the response-rate analysis in this case was conducted on the basis of considering only single unit dwellings in Goodsell Street.

The return and support rates of residents surveyed in Council Street are given below.

Number of properties	-	10
Number of properties responded	-	2
Number of properties supported	-	1
Response Rate	-	20%
Support Rate	-	10% (50% of respondents)

The return and support rates of non-eligible residents surveyed at 1 Goodsell Street are given below.

Number of properties	-	42
Number of properties responded	-	6
Number of properties supported	-	0
Response Rate	-	14%
Support Rate	-	0%

Of the 11 objections it is noted that 6 were received from 1 Goodsell Street residents (non-eligible) and 4 from single dwelling units in Goodsell Street (eligible) and one from a resident in Council Street.

Key concerns / issues raised from the responses of eligible residents in Goodsell Street supporting the proposal have been summarised below:

- As residents, we face significant challenges finding parking during match days and weekends, which makes it incredibly difficult to manage daily routines, especially when returning home from work.
- 2-hour parking restrictions won't help the lack of parking when football is played in Camdenville Oval. There is a general lack of parking spaces, and it can be extremely difficult to find a parking spot when there are games being played.
- With the current upgrade of Camdenville Oval and its increased usage, the parking situation will no doubt only get worse for residential parking.
- The new Camdenville Oval improvements will worsen the already problematic parking situation on Goodsell Street.
- Request the Council to consider adding dedicated parking spaces for the soccer ground.
- new businesses taking up much of the street parking with their own vehicles or customers' vehicles.
- include the 7 parking spots in Council Street with the new restrictions and the parking spots next to the toilet block at Camdenville oval.
- 3 support marking out of parking to maximise parking spaces through clear parking bays

Key concerns / issues raised by objectors to the proposal (both eligible and non-eligible residents) include the following:

- The proposed changes to the existing RPS are overly restrictive and deny visitors parking flexibility, particularly on the weekends.
- The proposed changes would have detrimental effects on our community and family, friends and partners who want to come and visit us.
- it would be difficult for our guests to visit on the weekends for over 2 hours without the risk of a fine. This area is a residential area and there should be no restrictions to parking times over the weekend as this would hinder our social activities should we choose to have guests over.
- I do not support the proposal in its current form. My view is the proposed expansion of the RPS hours/days needs to be based on evidence. Collect evidence/observations to understand if there is greater demand for parking during the night after 6pm. I am not convinced that there will be a greater demand for parking after 6pm i.e. Camdenville Oval is predominantly used during daytime hours.

- parking around amateur sporting events needs some more patrolling/ attention as this can cause issues of illegal and double parking on the street. Also, illegal parking around Caroline lane of trade vehicles needs attention and is often a more frustrating issue.
- The reason that the parking gets full on some weekdays with people parking and using the station is because overstaying the 2-hour max is seldom monitored by rangers.

As a result of the feedback received, especially concerns with regards to availability of parking on the weekends an adjustment to the final proposal has been made. This looks to address issues of lack of parking as a result of lack of parking in the evenings whilst attempting to find a balance between resident needs and visitors on the weekend. The 2P parking restriction have therefore been extended into the weeknights as well as the weekend for the northern side which will discourage long term parking during weekend periods as well as weekday periods whilst on the southern side the restrictions have been extended into the evening to discourage long term parking during the evenings. There is a small section of 2P parking adjacent to the unit block adjacent to no. 1 Goodsell Street which will remain essentially unchanged.

Concern is valid also that restrictions in Council Street may need to be amended in the near future due to vehicles parking out the available parking on weekends. It is noted that when the original RPS went into Goodsell Street in July 2008 not long after a petition was received from residents in Council Street, St Peters stating that the parking situation had become more difficult for residents in their street following the recent introduction of the RPS in Goodsell Street. Subsequently, RPS – M12 restrictions were installed on the east side of Council Street between May Street and Goodsell Street, St Peters in July 2009.

Resident Parking Schemes are intended to give priority parking to those who may be disadvantaged by others taking the limited parking spaces available. Eligible residents may obtain a maximum of 2 permits per dwelling house provided they have no off-street parking. This is reduced by one permit for each off-street parking space.

CONCLUSION

Council guidelines state that there should be a response rate of 30% of households that were surveyed, with 65% of respondents supporting the proposal. In this case, the return rate and support rate (29% and 83% respectively) of eligible Goodsell Street residents confirm support for an extension to times and days of the existing Resident Parking Scheme (RPS) in the street.

It is recommended to change existing '2P 8.30am-6pm Mon-Fri, Permit Holders Excepted Area M12' resident parking restrictions on the northern side of Goodsell Street between Council Street and the units at no. 1 Goodsell Street to 2P 8am to 10pm and to change the existing '2P 8.30am-6pm Mon-Fri, Permit Holders Excepted Area M12' resident parking restrictions on the southern side of Goodsell Street between Council Street and May Lane to '2P 8am to 10pm Mon-Fri, Permit Holders Excepted Area M12' in order to provide residents with greater opportunities to find parking and also to balance the needs of residents with other users and visitors.

To ensure a consistent start time for Resident Parking restrictions, it is further recommended that the '2P 8.30am-6pm Mon-Fri, Permit Holders Excepted Area M12' parking adjacent to no. 1 Goodsell Street to be amended to '2P 8am-6pm Mon-Fri, Permit Holders Excepted Area M12'.

ATTACHMENTS

Nil.

Item No: LTC0225(1) Item 12
Subject: LEICHHARDT OVAL SPECIAL EVENT PARKING SCHEME 2025
 (BALUDARRI-BALMAIN WARD/BALMAIN ELECTORATE/LEICHHARDT PAC)
Prepared By: Jason Scoufis - Coordinator Traffic Investigations and Road Safety
Authorised By: Manod Wickramasinghe - Traffic and Transport Planning Manager

RECOMMENDATION

That the Special Event Parking Scheme (SE) in the roads surrounding Leichhardt Oval be activated for the following three days during the times of 12:00 pm – 8:00pm for NRL Fixtures in 2025:

- a) Sunday 27 April 2025;
- b) Sunday 20 July 2025; and
- c) Sunday 24 August 2025.

STRATEGIC OBJECTIVE

This report supports the following strategic directions contained within Council's Community Strategic Plan:

2: Liveable, connected neighbourhoods and transport

EXECUTIVE SUMMARY

The existing signs on streets surrounding Leichhardt Oval that read '1P during sporting fixtures at Leichhardt Oval, Authorised Residents Vehicles Excepted Area LY', are being replaced with '1P Special Events Permit Holders Excepted Area SE' restrictions, in order to update the signs to the latest TfNSW requirements.

BACKGROUND

At the Local Traffic Committee held in May 2024, a report was considered relating to the Leichhardt Oval TMP and Special Event Parking Zone and it in part recommended the following which was subsequently endorsed by Council:

That existing '1P during sporting fixtures at Leichhardt Oval, Authorised Residents Vehicles Excepted Area LY', on streets surrounding Leichhardt Oval be replaced with '1P Special Events Permit Holders Excepted Area SE', including Special Event Parking – Major Entry, Special Event Parking – Repeater, and Special Event Parking – End signage be installed as shown in Attachment 2.

The days and times that the Special Event Parking Scheme will be active in 2025 are detailed below which comprises of three NRL Fixtures at Leichhardt Oval in 2025:

NRL Game	Date	NRL Kick Off	Special Parking Hours	Event Scheme
Round 8 - Wests Tigers vs Cronulla sharks	Sunday 27 th April 2025	4:00pm	12:00pm-8:00pm	
Round 20 – Wests Tigers vs Gold Coast Titans	Sunday 20 th July 2025	2:00pm	12:00pm-8:00pm	
Round 25 – Wests Tigers vs North Queensland Cowboys	Sunday 24 th August 2025	4:00pm	12:00pm-8:00pm	

Only during these times detailed above, the one hour parking restriction will be enforceable. At all other times throughout the year the one hour parking restrictions will not be applicable.

CONSULTATION

Residents entitled to parking permits will be notified via letter prior to the scheme being active.

FINANCIAL IMPLICATIONS

The cost of installation of the proposed signposting can be funded within Council's signs and line marking budget.

ATTACHMENTS

Nil.

Item No: LTC0225(1) Item 13
Subject: PROPOSED PARKING RESTRICTION OPERATIONAL HOURS
 EXTENSION - ROZELLE SOUTH PRECINCT (BALUDARRI-BALMAIN
 WARD/ BALMAIN ELECTORATE/ LEICHHARDT PAC)
Prepared By: Felicia Lau - Traffic Engineer
Authorised By: Manod Wickramasinghe - Traffic and Transport Planning Manager

RECOMMENDATION

That the existing parking restriction in the Rozelle South precinct currently signposted as '2P 8am-8pm Area R1 Permit Holder Excepted', '2P 8am-6pm Mon-Fri Area R1 Permit Holder Excepted' and '2P 8am-10pm Mon-Fri Area R1 Permit Holder Excepted' be changed to '2P 8am-10pm Area R1 Permit Holder Excepted' on the following streets:

- Evans Street between Denison Street and Victoria Road
- Catherine Street
- Keniff Street
- Elizabeth Street
- Prince Street
- Gordon Street between Lilyfield Road and Victoria Road
- Maney Street
- Graham Street
- Quirk Street
- Hornsey Street
- Burt Street between No.30 and Gordon Street
- Lilyfield Road between No.65 and Victoria Road

STRATEGIC OBJECTIVE

This report supports the following strategic directions contained within Council's Community Strategic Plan:

2: Liveable, connected neighbourhoods and transport

EXECUTIVE SUMMARY

This report outlines the results of the Community Engagement undertaken regarding changes to the existing resident parking scheme operational hours in Rozelle South precinct as shown in Figure 1 below.



Figure 1: Existing Parking Restriction

BACKGROUND

Residents within the Rozelle South precinct have raised concerns regarding difficulty finding on-street parking due to after-hours and long-term visitors occupying on-street parking spaces. The popularity of restaurants, performance venues, and a new school has brought visitors to the area and contributing to the parking pressure in this precinct.

The Rozelle South precinct is bounded by Lilyfield Road, Denison Street, Evans Street, and Victoria Road.

Council has reviewed the existing Resident Parking Scheme (RPS) operational hours and has proposed to unify the operational hours for Rozelle South precinct R1 Area parking restriction. This will normalise the parking restrictions in the area, particularly during night where visitors to certain venues may exceed well beyond 6pm on both weekdays and weekends.

Community Engagement was undertaken proposing changes to the existing RPS hours extended to 10pm everyday, as shown in Figure 2 below.



Figure 2: Proposed Parking Restriction

DISCUSSION

Between November and December 2024, Council undertook Community Engagement inviting residents to provide feedback regarding a proposal to normalise the RPS operational hours to 10pm everyday.

The results at the conclusion of the Community Engagement received a support rate of **67%** for the proposal in the Rozelle South precinct. Accordingly, it is recommended that the proposal (shown in Figure 2) for changes to the RPS operational hours to '2P 8pm-10pm Permit Holder Excepted'. All other specific parking zones, such as Mobility Parking, 'No Parking', and 'No Stopping' restrictions will be retained.

A summary of comments including Council response on each issue is tabled below.

Resident/Stakeholder Comments	Officer's Response
This will further restrict residents with multiple vehicles to park in the street	The proposed changes are intended to establish a balance for the community to meet the parking needs of both residents and visitors to the area.
Enforcement is required to ensure that measures are effective	Council parking enforcement team will schedule enforcement to all areas with parking restrictions.
Extended hours would assist. Preferably	A 2 hour parking limit provides a better

convert the 2 hour parking limit to 1 hour	balance to residential areas for visitors. Council do not intend to exclude visitors from parking in the precinct as 1 hour stay would not be practical for visitors to some local businesses. Hence a 1P is not supported at this stage.
Why does the changes not apply to Red Lion Street?	The current proposal is to extend the RPS operational hours to 10pm, and Red Lion Street parking restriction already ends at 10pm.
Prefer the parking restriction to end at 11pm to restrict visitors to the businesses at least till 9pm before restriction ends.	Existing RPS within the LGA's urbanised areas generally ends at 10pm to ensure consistency with other areas it is proposed that the RPS ends at 10pm.
Parking problem will improve	Noted and Council will monitor the parking conditions after the changes are implemented.
Maney Street is used as a rat run, it should be closed off at Victoria Road	This is not part of the proposal presented at this time. Council officers will investigate this separately and will provide a response when completed.

FINANCIAL IMPLICATIONS

There are no financial implications associated with the implementation of the proposed recommendations outlined in the report.

ATTACHMENTS

Nil.

Item No: LTC0225(1) Item 14
Subject: BRIGHTON STREET, PETERSHAM - HEAVY VEHICLE ACCESS (DAMUN - STANMORE WARD/ NEWTOWN ELECTORATE/ INNER WEST PAC)
Prepared By: Zara Helal - Traffic Engineer
Authorised By: Manod Wickramasinghe - Traffic and Transport Planning Manager

RECOMMENDATION

That the report be received and noted.

STRATEGIC OBJECTIVE

This report supports the following strategic directions contained within Council's Community Strategic Plan:

2: Liveable, connected neighbourhoods and transport

EXECUTIVE SUMMARY

Council at its meeting held on 3 September 2024 considered a Notice of Motion regarding Pedestrian Safety on Brighton Street, Petersham and resolved to write to Transport for NSW seeking advice on how existing heavy vehicle restrictions on Brighton Street can be better enforced and what other measures Council can take to deter heavy vehicle through access. This report summaries advice from Transport for NSW, Council's Regulatory Services team and provides an update on capital works.

BACKGROUND

Council at its meeting held on 3 September 2024 considered a Notice of Motion regarding Pedestrian Safety on Brighton Street, Petersham, and resolved in part:

That Council write to Transport for NSW seeking advice on how existing heavy vehicle restrictions on Brighton Street can be better enforced and what other measures Council can take to deter heavy vehicle through access.

That as part of the Petersham North LATM Plan endorsed by the Traffic Committee, Council investigate and expedite measures to prevent speeding and improve pedestrian safety on Brighton Street, including but not limited to:

- a) reducing the speed limit to 40km/h;*
- b) installation of raised pedestrian crossings on Brighton Street at the Petersham Park gate, Palace Street and Railway Street intersections;*
- c) installation of a pedestrian island; and*
- d) installation of additional speed humps and kerb blisters.*

That Council receive a report back on the above to the Traffic Committee.

DISCUSSION

Transport for NSW has responded, as detailed below to the Notice of Motion regarding heavy vehicles in Brighton Street and have provided information on how existing heavy vehicle restrictions on Brighton Street can be better enforced and what other measures Council can take to deter heavy vehicle through access:

NSW heavy vehicle compliance is managed by the National Heavy Vehicle Regulator (NHVR). Local council officers can become authorised to carry out local road heavy vehicle enforcement of Road Rules, to regulate mass (weight) and length of heavy vehicles on signposted local roads, by engaging directly with Transport for NSW.

Council's Senior Manager Regulatory Services has advised that Council, like many other Councils did not opt in for the enforcement of heavy vehicles on local roads as minimum qualification requirements, specialised training and additional equipment is required to be authorised and undertake this type of enforcement. Officers would be authorised to undertake traffic stops by pulling vehicles over, directing vehicles not to move, requiring drivers to produce their licences among other things. Our local roads are not suitable for effecting traffic stops in this manner. In addition, NSW Police can already enforce this on local roads and can stop vehicles anywhere.

Despite the above, Regulatory Services has contacted Transport for NSW and is making further enquiries regarding any other available options that would assist Council in enforcing mass restrictions.

As part of the Petersham North LATM, Council had received concerns by residents regarding speeding vehicles on Brighton Street, Petersham, particularly those travelling from West Street. These concerns are exacerbated given the proximity of Brighton Street to a preschool and Petersham Park, and the frequency of heavy vehicles accessing Brighton Street as a rat run despite existing heavy vehicle restrictions. These concerns were considered as part of the Petersham North Local Area Traffic Management (LATM) plan endorsed by the Traffic Committee in June 2024.

Regarding the resolution relating to the LATM plan, the following is advised:

- a) Reducing the speed limit to 40km/h; - The conversion of the Stanmore – Petersham area to 40 km/h is Priority B. This is anticipated to be implemented in the next few years as part of the InnerWest@40 project rollout which reduces speed limits on all out the speed limit reduction throughout the LGA.
- b) Installation of raised pedestrian crossings at:
 - Brighton Street (eastern leg) at Brighton Street/Railway Street intersection
 - Brighton Street (eastern leg) of Brighton Street/Palace Street intersection
 - Brighton Street (western leg) of Brighton Street/Palace Street intersection
 - Brighton Street between Wentworth Street and The Avenue - raised threshold to be upgraded to a raised pedestrian (zebra) crossing
 - Palace Street (southern leg) of Brighton Street/Palace Street intersection
 - Railway Street (southern leg) at Brighton Street/Railway Street intersection.
- c) Installation of a continuous footpath treatment to cross The Avenue at Brighton Street
- d) Installation of a speed hump in Brighton Street between Crystal Lane West and Crystal Street.

Council staff will be preparing detailed design plans for these pedestrian crossings, continuous footpath treatments and speed humps with construction commencing from FY25/26 onwards with priority being placed on the raised pedestrian crossings on Brighton Street between Wentworth Street and The Avenue, Brighton Street at Palace Street (western leg) and Brighton Street at Railway Street intersections. A separate grant application has also been made under the 'Active Transport Fund' in relation to works identified in the Petersham North LATM.

Furthermore, in order to provide additional warning for trucks, it is also recommended that larger signs be installed to replace the existing 'No Trucks Vehicles over 3t GVM' signs at both ends of Brighton Street and additional similar signs with supplementary arrows to provide advice to truck drivers on approach to the intersection.

ATTACHMENTS

Nil.