

Central Station Main Works Project

CTMP Addendum 14 – Sydney Water Connection Works –
Eddy Avenue

LAING O'ROURKE

Central Station Main Works Project

Construction Traffic Management Plan

Addendum 14

Sydney Water Connection Works – Eddy Avenue

Central Station Main Works Project

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Project name	Central Station Main Works
Client	Sydney Metro
Client contract number	
Laing O'Rourke contract number	K51

Revision history

Rev	Date	Description	Reviewed	INT/Date	Authorised
0	09.09.2020	For Approval	DK / AS		
1	21.09.2020	For Approval	DK / AS		

Management reviews

Review Date	Reviewed By	Details	Initial	Date

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1. Introduction

This addendum provides additional information to, and forms a part of, the Central Station Main Works Construction Traffic Management Plan (CTMP) SMCSWSCSM-LOR-SMC-TF-PLN-000001 Rev 7, this addendum has been written in accordance to all relevant standards, codes, acts and regulations as outlined in the Central Station Main Works Construction Traffic Management Plan (CTMP).

This addendum has been developed in alignment with the Sydney Metro City & Southwest Chatswood to Sydenham Construction Traffic Management Framework. Laing O'Rourke uphold a commitment of compliance with this CTMF.

LOR require access to work in the footpath of Eddy Avenue for service searching, excavation of the footpath for connections to the mains water supply located approximately 600mm below the footpath surface. Works include saw cutting of work area for excavation and excavation with vacuum truck as discussed in TCG 11/08/2020.

2. Compliance Matrix

Minister's Conditions of Approval

The Minister's Conditions of Approval (CoA) are addressed with the full descriptions provided in Appendix F of Central Station Main Works Project Construction Traffic Management Plan Rev 7.

3. Programme of Works

LOR require access to the footpath on Eddy Avenue to commence works in September 2020 for the Sydney Metro Central Station Main Works. Our works involve saw cutting of work area for excavation to expose water main for Sydney Water Connections Team below Eddy Avenue. Sydney Water Connections Team install Class 2 Mains connection, CPG install pipework from Class 2 Valves and run to inside station property boundary. CPG cap and test pipework ready for backfilling and temporary restoration as agreed until such time City of Sydney will reinstate the footpath to it's permanent position.

Shift times scheduled (24 hr):

Day shift: 0700-1900 no vehicle movements

Night shift: 1900-0700 vehicle movements up to 10

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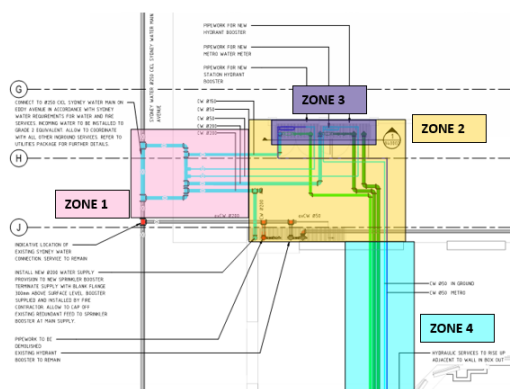
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Eddy Avenue Works

3.1 Zoning Plan

ZONING PLAN

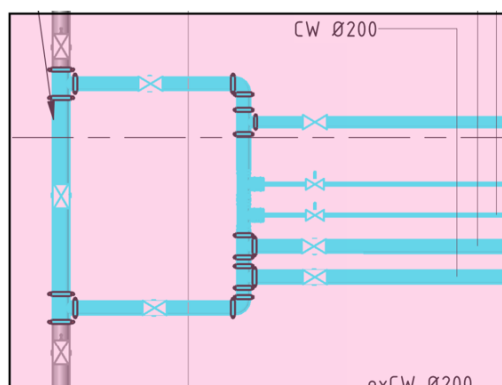
- ZONE 1 – GRADE 2 MAIN CONNECTION ZONE
- ZONE 2 – INDIVIDUAL SERVICE PIPES RUNNING FROM MAIN MANIFOLD TO AND FROM BOOSTER/METER ARRANGEMENTS
- ZONE 3 – BOOSTER AND METER ASSEMBLY AREA
- ZONE 4 – PIPEWORK UNDER COLONADE TO MAIN HYDRAULIC RISER AT COLUMN



3.2 Main Connection

ZONE 1 – Main connection

- SYDNEY WATER APPROVAL
- DIAL B 4 U DIG
- SERVICE SCANNING
- COUNCIL PERMITS
- ATF PLACEMENT & ENVIRONMENTAL CONTROLS
- SAW CUT
- EXCAVATION WITH NDD
- INSTALLATION - SYDNEY WATER AND CPG
- GROUND RE-ESTABLISHMENT TO COUNCIL SPECIFICATION
- WORKS TO BE DOUBLE SHIFTS
- DURATION APPROX. 7 DAYS



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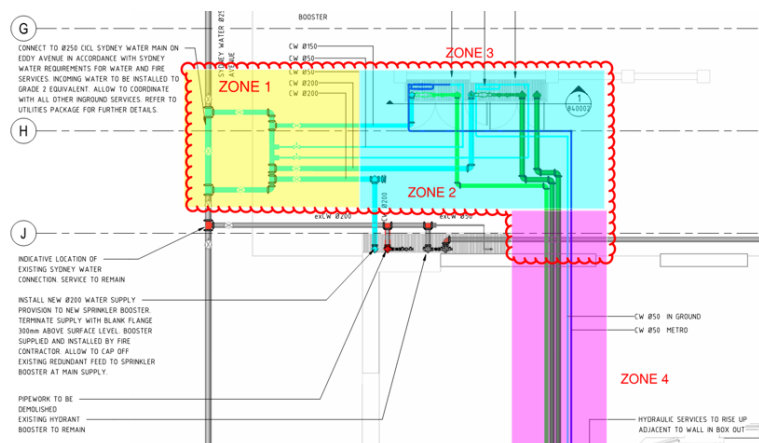
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3.3 Zone 1 & 2 Plan

PROPOSED ZONE 1 & 2 PLAN

- ZONE 1 WILL CLOSE THE FOOTPATH TO PEDESTRIANS WITH THE FLOW MANAGEMENT PLAN HAVING THEM MOVE AROUND THE WORK SITE AS SHOWN IN THE TMP.
- COMBINING ZONES 1 & 2 WILL NOT PUT ANY ADDITIONAL PRESSURE ON THESE MOVEMENTS AND ALLOW FOR THE PIPEWORK TO CONTINUE WITHOUT DISRUPTION SPEEDING UP THE INSTALLATION.
- THIS WILL ALLOW FOR ZONE 1 TO BE HANDED BACK WITH NO DELAYS TO THE ORIGINAL PROGRAM DATE AND ZONE 2 AND 3 TO BE HANDED BACK SOONER THAN THE PROPOSED DATES SHOWN



Proposed Zone 1 & 2 Plan

As per Ausgrid Network Standard NS156 an observation trench is required to be excavated to confirm the location of cables and the location of our canopy tube drilling head (Figure below).

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Eddy Avenue Area of Excavation for Mains Water Connection

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The excavation trench must be left open for the duration of the works which is estimated to take approximately 7 days.

The works at street level include placing water filled barrier with ATF fence panels to segregate the works from public foot and cycle traffic and the actual excavation for the trench. Handrails will be used on the ATF panels to eliminate the risk of pedestrians tripping on the blocks.

Barricades will be from kerb to the station boundary. Traffic Controllers placed at the east and west face to the hoarded area to direct pedestrians around the work zone.

Transdev have been consulted and have given approval for the works to take place under our current TMP. Traffic controllers to direct vehicles out onto Eddy Avenue. Vehicle movements at night. Refer to Appendix A for approval.

Vehicle movements will be minimal throughout the day and night shift could see up to 10 movements subject to works progression and type of material found in the excavation.

Wayfinding signage will be erected for the public from and to the station.

3.4 Booster Connection Works – Day/Night Shift Activities

NIGHT SHIFT ACTIVITIES

- Saw cutting
- Concrete breaking
- Excavation
- NDD / Vac truck
- Material deliveries
- Spoil removal
- Fencing & barricade installation
- Temporary restoration (concrete)

DAY SHIFT ACTIVITIES

- Service searching
- Installation & testing of pipe
- Sand bedding
- Compaction of backfill
- Installation of environmental controls

The requirements from Ausgrid states that the excavation must be left open so it is not possible to backfill the excavation overnight (this is in line with the requirements of Ausgrid Network Standard NS156).

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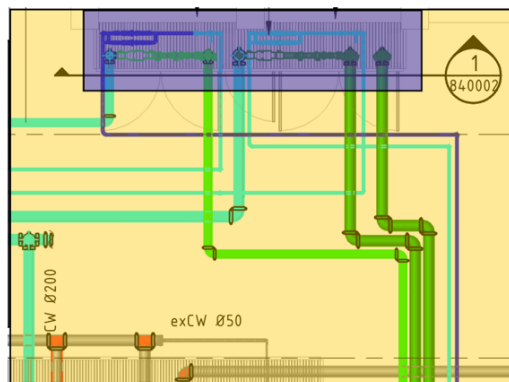
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3.5 Zone 2 – Manifold to Booster inlets and outlets

ZONE 2 – MANIFOLD TO BOOSTER INLETS AND OUTLETS

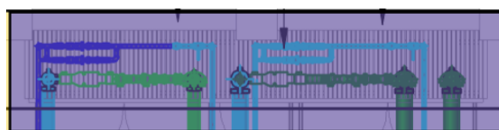
- ATF PLACEMENT
- SAW CUT
- EXCAVATION
- SETOUT AND PIPE INSTALLATION
- TESTING BACK TO MANIFOLD
- BACKFILL
- GROUND RE-ESTABLISHMENT
- REMOVAL OF ATF
- WORKS TO BE DOUBLE SHIFTS
- DURATION APPROX. 5 DAYS



3.6 Zone 3 – Booster and Meter Installation

ZONE 3 – BOOSTER AND METER INSTALLATION

- ATF PLACEMENT
- INSTALLATION OF BOOSTER VALVES, BACKFLOW VALVES AND METERS
- BOOSTER CAGE (BY OTHERS)
- SEMI PERMINANT PROTECTION AROUND CAGE FOR VANDAL PROTECTION AND CONCEALMENT FROM USE BY AUTHORITIES
- DURATION 1 DAY



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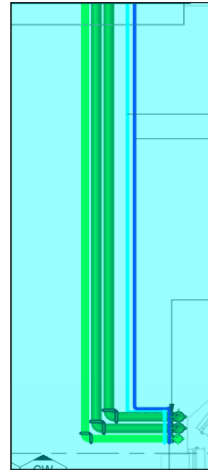
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3.7 Zone 4 – Collenade pipework to hydraulic riser

ZONE 4 – COLLENADÉ PIPEWORK TO HYDRAULIC RISER

- ATF PLACEMENT
- SAW CUTTING
- EXCAVATION
- PIPE INSTALLATION
- TESTING BACK TO BOOSTER/METER VALVES
- BACKFILL
- RE-ESTABLISH GROUND
- REMAVAL OF ATF
- WORKS TO BE DOUBLE SHIFTS
- DURATION 3 DAYS



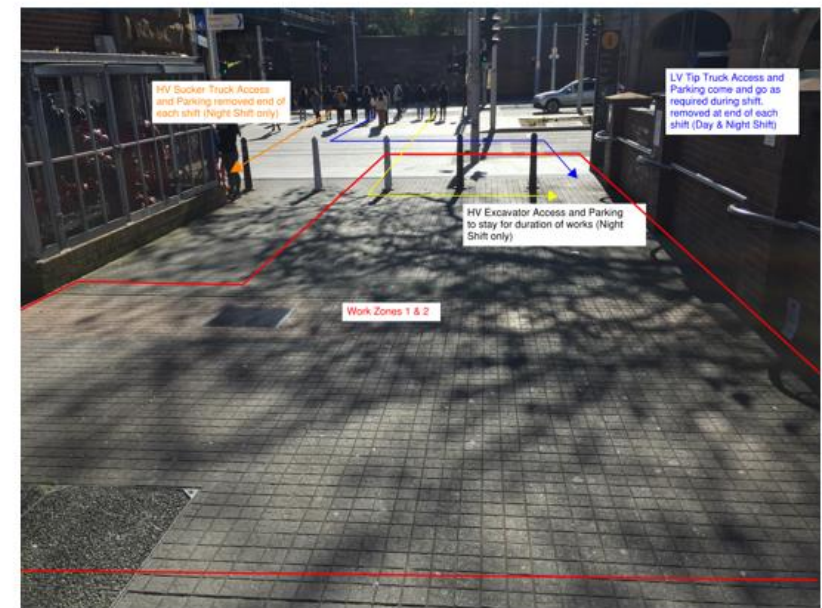
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3.8 Vehicle Movement to Zone 1 & 2 Works Area

VEHICLE MOVEMENT TO ZONE 1 & 2 WORKS AREA

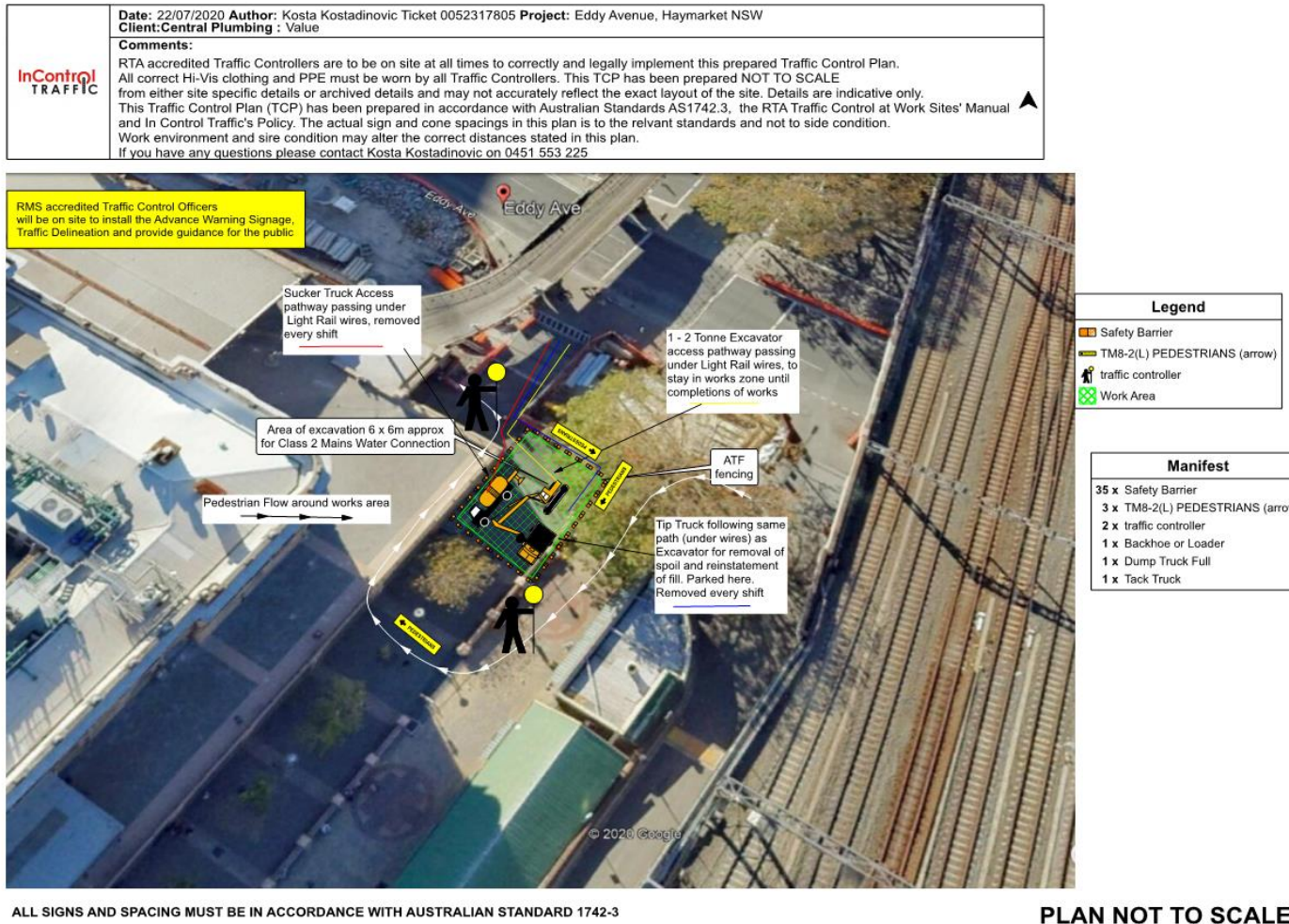


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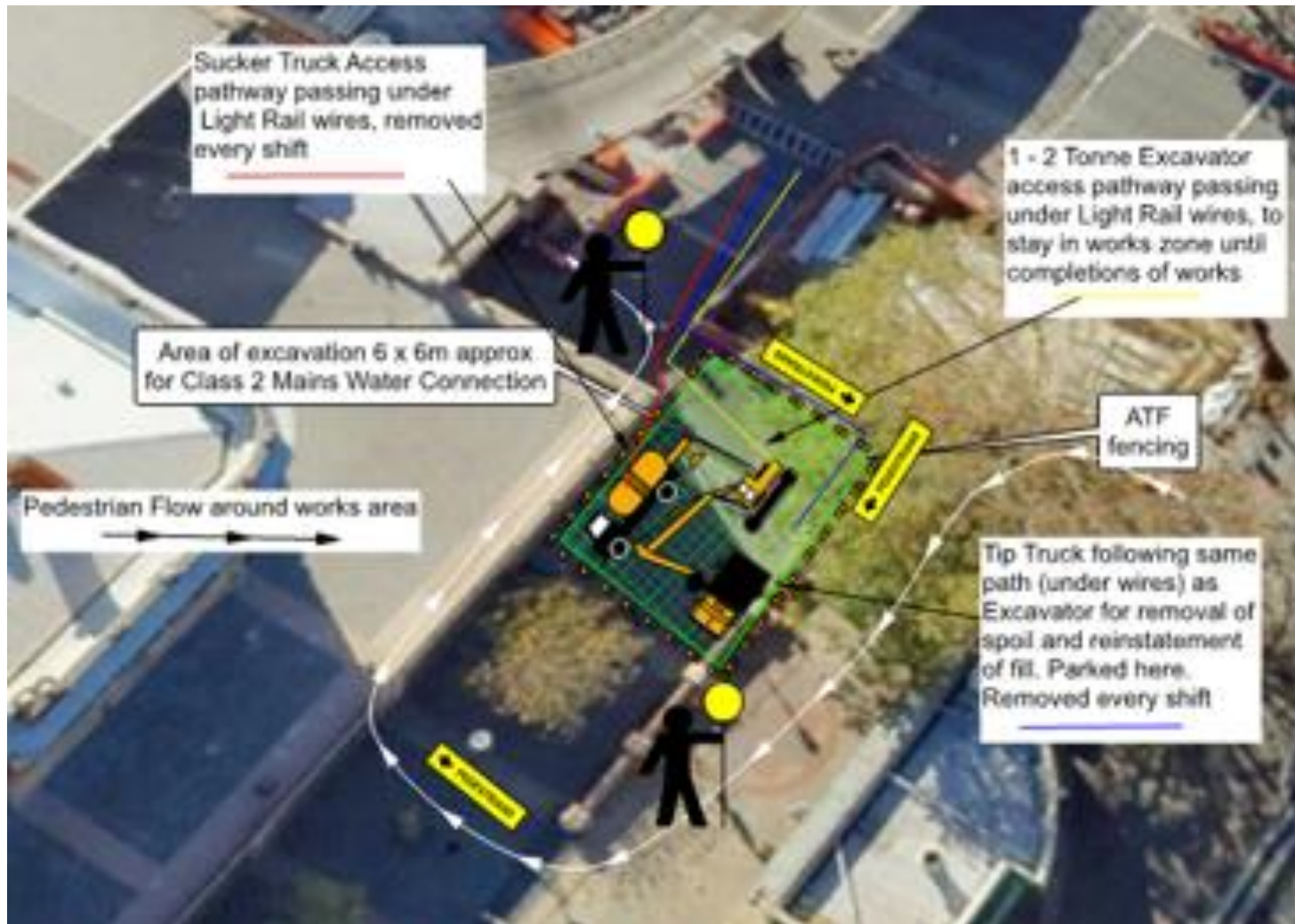
3.9 Pedestrian Movement Plan & Vehicle Movements



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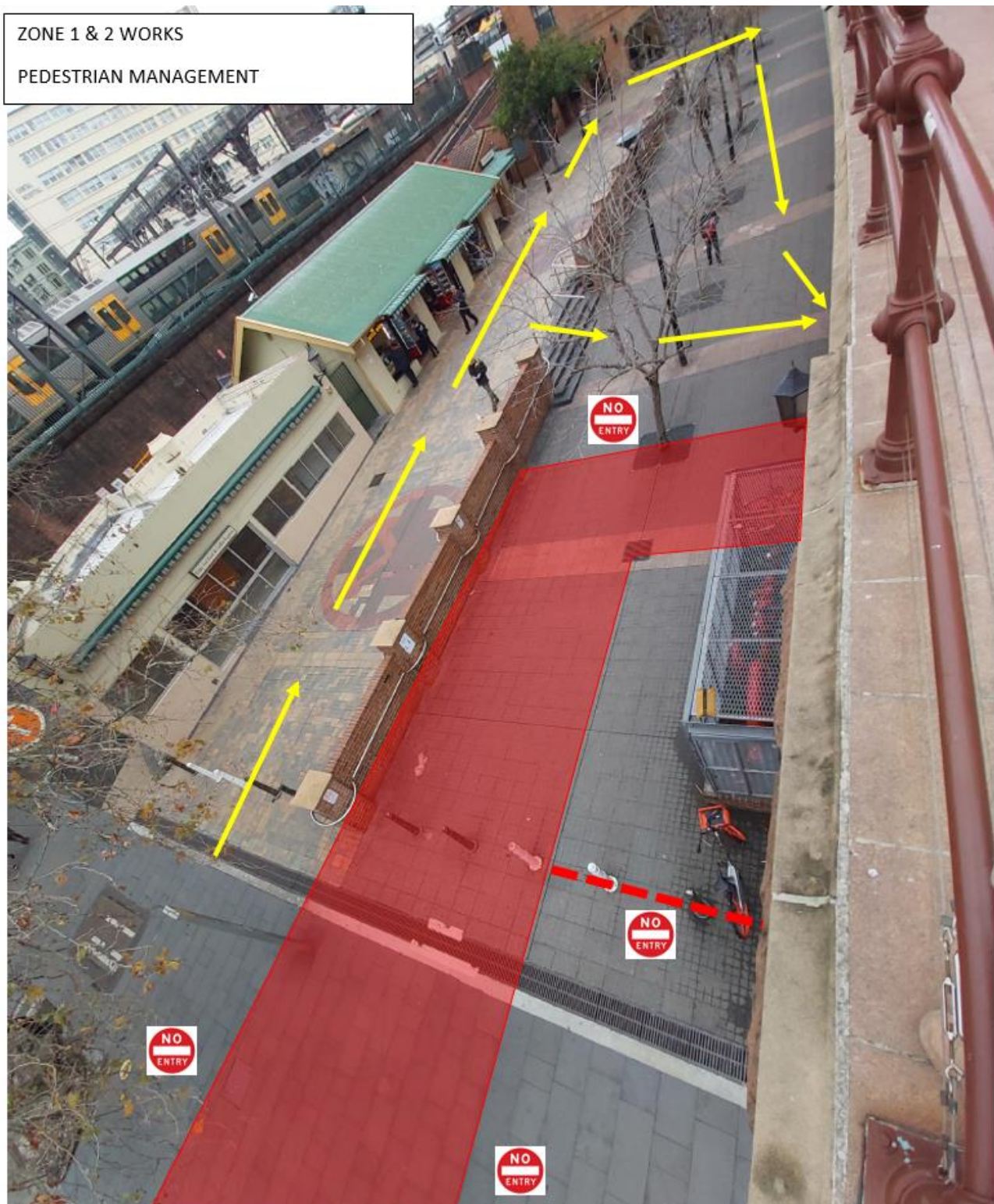
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Appendix A – Transdev correspondence

From: Alan Whelan <Alan.Whelelan@transdev.com.au>
Sent: Thursday, 17 September 2020 8:25 AM
To: Matthew Grant <mgrant@centralpg.com.au>
Subject: RE: Central Plumbing - Transdev Contact

Hi Matt,

Confirming our phone conversation yesterday Transdev SLR are happy for you to go ahead with your works with the following conditions.

1. Your plant engages its restrictor and has a spotter.
2. Your works do not interfere with our Operations.
3. Ensure controls are in place for pedestrian management & vehicles.
4. You do not direct the public onto the SLR alignment
5. You erect delineation barriers at the sites you work at.
- 6.

If you can agree to all these conditions please feel free to conduct your works.

I look forward to your reply.

Alan

From: Matthew Grant [<mailto:mgrant@centralpg.com.au>]
Sent: Thursday, 17 September 2020 8:16 AM
To: Alan Whelan <Alan.Whelelan@transdev.com.au>
Cc: Aaron Petropoulos <apetropoulos@centralpg.com.au>
Subject: RE: Central Plumbing - Transdev Contact

Hi Alan,

As discussed yesterday could you send through that we don't require the permit or PICOW see below which came through this morning.

Also confirm none of our employees will require Light rail induction? Understanding that it may be the same thing? There was mention from Ebby that maybe a supervisor should have the induction.

Many thanks