

## **Pre-Construction Minor Works Approval Form**

Minor Works are defined as any low impact activities that are undertaken prior to the commencement of 'construction' as defined in the project's applicable planning approval. However, if Minor Works affect or potentially affect heritage items, threatened species, populations or endangered ecological communities, these works are defined as 'construction' unless otherwise determined by the applicable planning authority.

Minor Works approvals do not remove any obligation to comply with the project's applicable planning approval conditions (including requirements prior to 'any works' commencing) or obtain any other applicable permits, licenses or approvals as necessary.

This application and all supporting information must be submitted to Sydney Metro/the Environmental Representative as one (1) PDF file at least 10 business days prior to the commencement of the proposed Minor Works.

Part 1: Application	
Contractor:	Martinus
Project:	Southwest Metro
Application Title: (e.g. Smith St trenching works)	Corridor Intrusion Risk Assessment (CIRA) – Canterbury Road overbridge
Application Number:	MWA-MR-008
Application Date:	DRAFT: 24/09/2024 REV A: 25/09/2024
	The following Planning Approvals apply:
	<ul> <li>Sydney Metro City and Southwest Infrastructure Approval SSI-8256 (inclusive of CSSI 8256 MOD 1 determined 22 October 2020 and accompanying updated REMM's modification report)</li> </ul>
Planning Approval:	<ul> <li>Sydney Metro City and Southwest – Sydenham to Bankstown – Environmental Impact Statement (EIS)</li> </ul>
	<ul> <li>Sydney Metro City and Southwest – Sydenham to Bankstown – Submissions and Preferred Infrastructure Report (SPIR) (inclusive of Revised Mitigation Measures: REMM)</li> </ul>
	1. Survey, survey facilitation and investigations works (including road and building dilapidation survey works, drilling and excavation).
	2. Treatment of contaminated sites.
	<ol> <li>Establishment of ancillary facilities (excluding demolition), including construction of ancillary facility access roads and providing facility utilities.</li> </ol>
	4. Operation of ancillary facilities that have minimal impact on the environment and community.
Minor Works Categories:	<ol><li>Minor clearing and relocation of vegetation (including native).</li></ol>
Highlight as applicable.	<ol> <li>Installation of mitigation measures, including erosion and sediment controls, temporary exclusion fencing for sensitive areas and acoustic treatments.</li> </ol>
• If Items 4, 8 or 11 are applicable, this form must be	<ol> <li>Property acquisition adjustment works, including installation of property fencing and utility relocation and adjustments to properties.</li> </ol>
endorsed by an Environmental Representative.	8. Utility relocation and connections.
	9. Maintenance of existing buildings and structures.
	<ol> <li>Archaeological testing under the Code of Practice for Archaeological Investigation of Aboriginal Objects in New South Wales (DECCW, 2010) or archaeological monitoring undertaken in association with other Minor Works to ensure there is no impact on heritage items.</li> </ol>
	<ol> <li>Any other activities that have minimal environmental impact, including construction of minor access roads, temporary relocation of pedestrian and cycle paths and the provision of property access.</li> </ol>
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If 'Yes', this completed form must be endorsed by an Environmental Representative, approved by Sydney Metro and submitted to the applicable planning authority to determine that the works are not defined as 'construction'.
This minor works project involves geotechnical investigations and service location activities, including:
Minor clearing of vegetation.
This minor works project involves geotechnical investigations and service location activities, including:
The works would involve the redirection of pedestrian paths and temporary traffic
management for access and egress through the work site.
The scope of works are anticipated to be completed during OOH, and will be subject to an OOHW application due to ROL conditions (Appendix 4). Noise generated from activities to remove trees have been predicted to be below 5dB. The duration of the works is expected to be approximately 1.5 hours.

Part 2: Details

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<b>Local Sensitivities:</b> Describe the presence (if any) of local sensitive environmental areas and community receptors	There are a number of residential and commercial properties located within close proximity to the Project site as can be seen within Appendix 1. Due to the proximity of these receivers to the works, these properties may be sensitive to excessive noise. The works specific to this application shall be conducted during OOW between 8:30PM and 10:00PM. Any potential impacts to these properties would be managed in accordance with the Construction Noise and Vibration Strategy, including relevant notifications. There are no vibratory activities associated with the works. Noise is predicted to be less than 5dB for the duration of the works, as only hand tools are permitted to be used. The proposed works would implement the standard construction noise and vibration mitigation measures required on all Sydney Metro projects and delivered via relevant procedures, systems, environmental assessment, and all relevant contract documentation. No areas within the works area potentially contain aboriginal archaeology, known as PADs (Potential Archaeological Deposit) which are located within the EIS study area. Works may occur in the vicinity of local stormwater systems. Localised erosion and sediment controls will be in place at all locations where materials associated with the works may leave the corridor, including via stormwater drainage. Appropriate approvals such as Traffic Guidance Schemes (Appendix 4), must be in place where works on roadways are required. Pedestrian access will be maintained in any area where works are occurring.

#### Part 3: Environmental Risk Assessment and Management

Prepare an Environmental Risk Assessment (in accordance with the <u>Sydney Metro Risk Management Standard</u>) and an Environmental Control Map for the proposed Minor Works and attach as Appendix 1.

If an Environmental Risk Assessment and/or an Environmental Control Map for the proposed Minor Works is/are already contained in existing documentation, attach the relevant section(s) as Appendix 1.

#### Documentation:

List any existing documents (including those referenced above) that the proposed Minor Works will be undertaken in accordance with and attach as Appendix 2 (e.g. plans, procedures, procedures, etc.).

- An Environmental Risk Assessment and ECMs for the proposed works are included in Appendix 1
  - Community Notifications in Appendix 2
  - Tree Impact Memo in Appendix 3
  - Traffic Guidance Schemes in Appendix 4.

#### Part 4: Workforce Notification

How will the environmental and community risks and associated mitigation measures of the proposed Minor Works be	Prior to any minor wor project site. The induc associated with works
communicated to the contractor's workforce?	

rior to any minor works a site induction will be provided to all personnel working on the roject site. The induction will include relevant environmental aspects and risks ssociated with works on the project site.

Part 5: Community Consultation		
What community consultation has been undertaken already?	The Southwest Metro project has been ongoing since 2021 and substantial community consultation has taken place about project activities.	
What community consultation is planned to be undertaken?	Ongoing consultation will occur through the Monthly Community Notice with the addition of the installation of signage to advise the community of any impacts to any parking. The community will be notified of any use of these areas outside of standard construction hours in accordance with the Additional Mitigation Measures specified in the Construction Noise and Vibration Strategy.	
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If drafted already, attach applicable Community Notification as Appendix 2.

Part 6: Contact Details					
Nominate contractor's project manager, environmental and communications contact(s).					
			Project Manger		
Name:		Position:	Environment Manager	Phone:	
	ļ		Communications Manager		

Part 7: Signature				
This signature acknowledges that the proposed Minor Works will be undertaken in accordance with this application, have minimal environmental impact and are not defined as 'construction' in accordance with the applicable planning approval.				
Name:				
Signature:			Date:	24/09/2024

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## **Determination Page**

### (Sydney Metro/Environmental Representative Use Only)

#### 12. Endorsement/Approval

These signatures represent formal endorsement/approval for the proposed Minor Works to commence in accordance with this application and the applicable planning approval requirements (subject to any determination from the applicable planning authority as may be required by the planning approval conditions).

plainin	ning autionity as may be required by the plaining approval conditions).					
		Director Project Communications – Endorsement (required for all applications)	Director Environment, Sustainability & Planning – Approval (required for all applications)	Environmental Representative – Endorsement (required as necessary in accordance with the applicable planning approval, optional for all other circumstances)		
Signa	ture:					
Name	:					
Date:		25/9/2024	25 September 2024			
Comn	nents:	Note that Council's preference to retain the trees is not feasible due to passenger and busing requirements during the Metro shutdown.		Supporting letter attached as Appendix 4 if necessary.		
Conditions:		Impacted saplings to be retained and installed at end of project.		Supporting letter attached as Appendix 4 if necessary.		
$\nabla$	Approv	ved (by Sydney Metro)		1		
	Endors	sed (by Environmental Representati	ve)			
	Rejected					

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Appendix 1: Environmental Risk Assessment and Environmental Control Maps

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## MARTINUS /

## ENVIRONMENTAL CONTROL MAP

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## ECM 8 – Canterbury Station

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		PCBU / COMPANY DETAILS: Martinus		
		Address: 23 – 27 Waratah St, Kirrawee NSW 2232		
		ABN: 87 155 894 894	Phone no.: 87 155 894 894	
PROJECT: Sydenham to Bankstown Corridor Intrusion Risk As	ssessment	CLIENT / PC DETAILS Name:		
Address: Canterbury Station, Canterbury Rd, Canterbury NSW 2193, Australia	Start date: 25/09/2024	Contact: Luis Barroso	Phone no. 0434 370 740	
Document date: 25/09/2024				
Commencement date: 01/05/2024	Completion date: 03/05/2024			
Reviewed by: Phil Matevski				
Work Activity				
The objective of this project is to conduct utility locating activitie minimise disruptions and ensure project efficiency.	es, including slit trenching and utility scope invest	igations as well as to perform out-of-ho	ours work as necessary to	
SCOPE OF WORK COVERED BY ECM				
This Environmental Control Map (ECM) & document provides instruction relating to environmental requirements for geotechnical investigations. This document incorporates environmental legislative requirements, approval conditions and proponent commitments made during the environmental approvals process as well as sound industry practice. The scope of works includes: <ul> <li>Removal of three (3) tree saplings and backfilling with asphalt material, making way for a bus stop relocation</li> </ul>				
The ECM must be updated to reflect any proposed amendments to project approvals, clearing methodology or implemented control measures following risk review. This must then be updated in the relevant work pack and all personnel must resign on to and agree to the changes.				
TIMING				
Works would be carried out during out of hours works.				
All OOHW would occur in accordance with Sydney Metro CNV RELEVANT APPROVALS & LICENCES	S, the Noise and Vibration Construction Manage	ment Plan and Heritage Assessment.		
The approvals and licences relevant to this ECM include:				
<ul> <li>Approved SSI 8256 under the <i>Environmental Planning &amp; Assessment Act 1979</i></li> <li>Minor Works, Pre-construction Minor Works Approval.</li> <li>Sydney Metro Out of hours Works application</li> <li>Canterbury Bankstown Council Road Occupancy Licence</li> </ul>				
PERMITS/NOTIFICATIONS				
<ul> <li>☑ Traffic</li> <li>☑ Other: Specify: Minor Works, Pre-construction minor works a</li> </ul>	approval			

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# MARTINUS

## ENVIRONMENTAL CONTROL MAP

#### ECM 8 – Canterbury Station

#### **INSTRUCTION FOR ECM**

Prior to commencing construction, all staff must be inducted as to the requirements of this ECM and all construction activities must adhere to the environmental control measures outlined herein. The ECM must be retained and accessible for the duration of construction works including revised versions. Works will be subject to inspections and approval by Sydney Metro NER/ER and Martinus Environmental Team.

invironmental high-risk activities (Check any that are applicable to this job)					
Impacts to soil resources due to soil erosion or contamination from spill or hydrocarbons or other chemicals.	Impacts to <b>water</b> resources (surface and groundwater) due to contamination or excessive water use for construction work	Introduction of <b>invasive plants</b> or <b>animals</b> to the construction site			
Damage to <b>protected vegetation</b> , <b>threatened</b> <b>flora/fauna</b> and their supporting habitat or other ecological values	Damage to sites of <b>cultural heritage</b> significance	<b>Increased traffic</b> in local area due to light and heavy vehicle movements to and from the site			
Environmental harm caused due to poor waste management practices	Nuisance to sensitive receptors and nearby work camps due to <b>emissions</b> from the track construction works	Adverse impact to surrounding environment because of an <b>environmental emergency</b>			
Communications with <b>external parties</b> during construction works	Other: Specify:				

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# **Environmental Control Map**

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Legend Description AMS and Archaeology Investigation Area

Cantebury Signal Hut Closest commercial sensitive receiver Closest residential sensitive receiver

Project area boundary Rain/storm water run off direction SHR Heritage Register Site access Storm water and indicative sediment control locations

Canterbury Station, Canterbury Rd, Stand E

Tationin

Canterbury Ro, Station, Canterbury Ro, Stand G

208B

Canterbury Road - Tree removal ECM

226-240 224

222



NVIRONMENTAL C	ONTROL MEASURES				
Key Environmental Risks	Environmental Controls		Timing	Responsibilities	Check
General	<ul> <li>All site personnel to be inducted as to the requirement limited to the key environmental risks:</li> <li>Heritage</li> <li>Noise and vibration and nearest sensitive rec</li> <li>Unexpected finds procedure for sensitive area</li> </ul>	eivers	Minor Works, Pre- construction and during construction	Site Manager, Project Manager, Environmental Manager	
	Pre-start register and toolbox attendance register sign	ed by all site personnel.	Minor Works, Pre- construction	Site Manager, Project Manager, Environmental Manager and all inducted staff	
	Clearly ID and segregate work zones from public as re approved project boundary as per SSI 8256 and assoc		During construction	Site Manager	
	Working areas would be maintained, kept free of rubbish and cleaned up at the end of works.		Minor Works, Pre- construction and during construction	Site Manager	
Soil and Water (CoA E8, E9, E38 – E41)	In the event of a pollution incident, cease working in th spills to the SM. SM is to notify the Environmental Mar NER/ER.		Minor Works, Pre- construction, during construction and post construction	Site Manager, Project Manager, Environmental Manager and all inducted staff	
Erosion and Sediment Controls	All erosion and sediment controls will be conducted in The following measures are to be implemented:	accordance with the Blue Book.			
(CoA E8, E9, E38 – E41)	Minimise the disturbance footprint.			Site manager, Environmental	
	Minimise the duration of the disturbance, backfill or con	ver in timely manner.	During construction	Manager and all inducted staff	
	Implement an effective monitoring and maintenance pr periodic checks & inspections of all environmental con				
	Heavy rainfall controls:		1	Site manager	
	Monitor the weather forecast for heavy rainfall even	ts		Site manager	
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ECM 8 – (	Canterbury	Station

	<ul> <li>Undertake risk assessments based on the forecast and site conditions</li> <li>Where appropriate, works will be rescheduled to avoid heavy rain</li> <li>During heavy rain events, exposed areas will be protected to prevent erosion.</li> </ul>		
Heritage (CoA E10 – E17)	All relevant personnel and contractors involved in the Project will be advised of the relevant heritage considerations, legislative requirements and mitigation measures.		
(,	Any heritage items or relics that are uncovered as part of the works will be reported to Sydney Metro as required. Implement Sydney Metro Unexpected Finds Procedure (SM-18-00105232).		
	If unanticipated archaeological deposits are identified within the project site during construction:		
	Stop work immediately		
	Notify EM, SM and PM		
	Notify the Heritage Advisor	Minor Works, Pre-	Site manager,
	Notify Sydney Metro	construction and during	Environmental
	Do not recommence work without explicit approval to do so.	construction	Manager and Project manager
	If unforeseen Aboriginal objects are uncovered during construction:		riojoot managor
	Stop work immediately		
	Notify EM, SM and PM		
	Notify the Heritage Advisor		
	Notify Sydney Metro		
	Do not recommence work without explicit approval to do so.	-	
	In the event human remains are found, work would cease, the site would be secured and the NSW Police and Heritage NSW would be notified. Where required, further archaeological investigations and an Aboriginal Heritage Impact Permit would be obtained prior to works recommencing at the location.		
Noise and Vibration (CoA E18 – E37)	Staff are to be inducted as to the requirements outlined in the respective OOHW approval for this scope of works (CIRA – OOHW #9).	Minor Works, Pre- construction	Site manager, Environmental Manager and Project manager
	<ul> <li>Staff are expected to:</li> <li>Respect neighbours by refraining from swearing or shouting</li> <li>Minimise noise by using appropriate equipment in good condition</li> <li>Limit engine idling to the necessary minimum</li> <li>Turn off plant when not in active use.</li> </ul>	During construction	All inducted staff

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ECM 8 – Canterbury Station

	Non-tonal reversing/movement alarms such as broadband (nontonal) alarms or ambient noise sensing alarms would be used for all plant used regularly onsite (greater than one day), and for any OOHW.		Site manager, Project manager and all inducted staff	
	Any OOHW would be subject to OOHW approval and will need to be undertaken in accordance with the Approval Conditions.	Minor Works, Pre- construction, during construction and post construction (V monitoring)	Site manager, Environmental Manager and all staff	
Traffic and Pedestrian	Traffic and pedestrians are to be management in accordance with the Traffic Management Plan (TMP) and/or Traffic Guidance Scheme (TGS).		Site manager and Project manager	
Management (CoA E46 – E53, E54)	Pedestrians and vehicle movements are to be managed in accordance with approved Project TGS.	Minor Works, Pre-	Site manager and all inducted staff	
<ul> <li><u>Parking</u></li> <li>Legal street parking is available within the surrounding locality</li> <li>Construction personnel to utilise legal street parking available within the slocality</li> <li>Plant and machinery is not to be left idling.</li> </ul>		construction and during construction	Site manager and all inducted staff	
Air Quality (CoA E2)	Air quality will be periodically monitored (qualitative) for dust leaving the site. If required, additional dust controls will involve scheduling works to avoid high wind events, wetting down of works areas, covering any materials or stockpiles.	During construction	Site manager, Environmental Manager and all inducted staff	

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<b>PROJECT CONTACTS</b>
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Position	Name	Contact	
Site Manger	Andrew Osborn	0438 977 274	
Project Manger	Saves Onal	0400 667 024	
Environmental Manager	Phil Matevski	0420 353 980	
Sydney Metro Manager	Robel Chowdhury	0481 059 128	
Sydney Metro Environmental Manager	Emmanuel Smith	0488 310 438	
Construction Response Team	-	1800 755 465	
Transport Projects Delivery Office Infoline	-	1800 684 490	
Heritage Advisor	Sandra Wallace	(02) 9518 8411	
Community Manager	Veronica Smith	0432 021 579	
EPA/OEH Pollution Hotline	-	131 555	
WIRES	-	1300 094 73	
Emergency	-	000	

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#### **EMPLOYEE'S ACCEPTANCE**

We, the undersigned, confirm that we have been consulted on the development and given opportunity to provide inclusions of the ECM nominated above and the details have been explained and clearly understood. We also confirm that our required qualifications to undertake this activity are current. We also clearly understand that the controls in this ECM must be applied as documented, otherwise work is to cease immediately.

	WORKER CONSULTATION, INSTRUCTION AND SIGN OFF				
Date	Name	Employer	Signature		

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## **Environmental risk assessment**

This appendix includes a risk assessment for the Project. All relevant environmental issues have been assessed in accordance with the table below:

Risk Assessment Rankings:

- >31 Very High;
- 22 to 30 High;
- 11 to 21 Medium; and
- 1 to 10 Low.

Issues or activities that represent a Very High risk after the application of control measures are not to be undertaken.

#### Sydney Metro Consequence Criteria

	ENTERPISE RISK CONSEQUENCES												
	C6 Insignificant	C5 Minor	C4 Moderate	C3 Major	C2 Severe	C1 Catastrophic							
Environment	No appreciable changes to environment and/or highly localised event.	Change from normal conditions within environmental regulatory limits & environmental effects are within site boundaries.	Short-term and/or well- contained environmental effects. Minor remedial actions probably required.	Impacts external ecosystem & considerable remediation is required.	Long-term environmental impairment in neighbouring or valued ecosystems. Extensive remediation required.	Irreversible large-scale environmental impact with loss of valued ecosystems.							

#### Sydney Metro Likelihood Criteria and Risk Matrix

						Consequences									
	One off event		Repeated	Likelihood		C6	C5	C4	C3	C2	C1				
	How likely?		How often?	Likelinood		Insignificant	Minor	Moderate	Major	Severe	Catastrophic Transformational for opportunities				
	Expected to occur frequently during time of activity or project. Greater than a 90% chance of occurring.	Frequency	10 times or more every year	Almost certain	ы	20	22	29	32	34	36				
2	Expected to occur occasionally during time of activity or project. A 75-90% chance of occurring.		Frequency	Frequency	2	s,	1-10 times every year	Very Likely	L2	14	18	23	28	31	35
Probability	More likely to occur than not occur during time of activity or project A 50-75% chance of occurring.				Once each year	Likely	L3	9	12	16	24	27	33		
	More likely not to occur than occur during time of activity or project. A 25-50% chance of occurring.						Once every 1 to 10 years	Unlikely	L4	6	7	11	17	25	30
	Not expected to occur during the time of activity or project. A 10-25% chance of occurring.								Once every 10 to 100 years	Very Unlikely	L5	3	4	8	13
	Not expected to ever occur during time of activity or project. Less than 10% chance of occurring.		Less than once every 100 years	Almost Unprecedented	L6	1	2	5	10	15	21				

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	Potential	Initial					dual				
Aspect	Environmental	Rating		Risk	Control Measures	Rating		Risk	Management of Residual Risk		
	Impact	Lx	С				С				
Approvals and Lice	nsing										
Not identifying appropriate approvals, licenses or permits required and proceeding without them	Works delayed, infringements, prosecution, poor community relations and reputational loss.	L4	C4	12	Review the project planning approval and statutory documentation for requirements relevant to the Project. Follow the advice of Subject Matter Experts providing advice to the Minor Works Approval. Check contract documentation. Identify and implement requirements from the Contract. Establish a register of approvals, licenses and permits.	L5	C4	8	Maintain Compliance Risk Matrix		
Noise											
Noise from general construction activities resulting in impact to residents	Disturbance to residents or neighbouring businesses. Potential for complaints.	L3	C5	12	Respond to community enquiries and complaints in accordance with Sydney Metro requirements and implement the OCCS. Demobilisation would not occur simultaneously with site clean-up which would use non-powered hand tools.	L5	C5	4	Noise performance will be continually monitored as per the mitigation measures of the Construction Noise and Vibration Impact Statement (CNVIS) for this Minor Works Approval. The Sydney Metro Construction Noise and Vibration Strategy (CNVS) is to be implemented. Works would be undertaken during standard construction hours. If scope of works change and OOHW is required, the respective OOHW approval will be applied for separately.		
Noise during works required to be undertaken out of standard construction hours	Disturbance to residents or neighbouring businesses with potential for complaints.	L4	C5	7	Carry out works in accordance with OOHW application	L5	C4	7	Works would be undertaken during standard construction hours. If scope of works change and OOHW is required, the respective OOHW approval will be applied for separately.		
Water Quality, Eros		on									
Sediment laden runoff from construction works leaving site	Degradation of local watercourses. Increased turbidity in local water ways resulting in impact on aquatic life.	L5	C4	8	Install erosion and sediment controls within the project area to ensure stormwater drains are protected. Ensure measures are inspected and maintained and also prior to and post rainfall events.	L5	C4	8	Undertake regular inspections of work areas pre, during and after works to ensure controls are in good condition.		

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	Potential	Initial				Resi	dual		
Aspect	Environmental	Rating		Risk	Control Measures	Ratir		Risk	Management of Residual Risk
	Impact	Lx	С			Lx	С		
	Fines for sediment escaping site.				Provide training and awareness on the need to prevent pollution. Relevant people to undertake Erosion and Sediment Control training.				
Waste									
Waste disposal during site investigations	Incorrect disposal of waste, further costs incurred for classifications and disposal, fines may be issued.	L3	C5	12	Provide facilities on site for source separation and recycling. Ensure accurate waste records are retained. Removal of wastes from the site would only be undertaken by a licensed contractor as required by the POEO Act and with appropriate approvals, if required, for contaminated materials, etc. All material to be recovered off-site to be appropriately classified in accordance with the Resource Recovery Exemptions. All material that requires off-site disposal to be appropriately tested and classified against the Waste Classification Guidelines (NSW EPA, 2014)	L4	C5	7	Undertake regular inspections of work areas pre, during and after works to ensure controls are in good condition. Monitor and ensure reporting of all movements of waste form the worksite.
Heritage									1
Unexpected heritage items encountered.	Work delays, additional studies, approvals required, damage to heritage item.	L4	C4	12	General inductions toolbox training on heritage management protocols. Label any known heritage items on Environmental Control Maps. If suspected heritage item encountered. Works to stop immediately and implement the Sydney Metro Unexpected Heritage Finds Procedure (within this Minor Works Approval).	L5	C4	8	Undertake regular inspections of work areas pre, during and after works to ensure controls are in good condition. Provide frequent toolbox talks on Unexpected Heritage Finds Procedure
Impact to Heritage Items	Damage to heritage fabric of heritage items by Project works	L4	C4	12	General inductions toolbox training on heritage management protocols. Label any known heritage items on Environmental Control Maps.	L5	C4	8	Undertake regular inspections of work areas pre, during and after works to ensure controls are in good condition. Provide frequent toolbox talks on managing change.

#### Metro Body of Knowledge (MBoK)



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	Potential	Initial		Dist		Residual Rating Risk				
Aspect	Environmental Impact	Rating	С	Risk	Control Measures	Ratin	C Ris		Management of Residual Risk	
Loss, damage or injury to endangered or threatened species or localised trees within compounds.	Removal, death, damage or injury to endangered or threatened species by plant and equipment	L5	C4	8	Implement the controls within the ECMs within Appendix 1 of this Minor Works Approval. All personnel attending site will be advised of controls and management during the onsite induction. Toolbox talks will be carried out prior to ground disturbance /site clearing works to ensure onsite personnel are made aware of potential loss of endangered species. If threatened flora or fauna species are identified on site, work in the vicinity of these species would stop immediately. (for the purposes of this application this specifically relates to the identified presence of the Ibis and potential habitat trees) spotter/catcher/botanist/ ecologist to be present during fauna removal works in accordance with ecologist advice and mitigation measures.	L5	C5	4	Undertake regular inspections of work areas pre, during and after works to ensure controls are in good condition. No native vegetation would be impacted as a result of the works.	
Loss, damage or injury to endangered or threatened species.	Removal, death, damage or injury to endangered or threatened species by plant and equipment	L5	C4	8	Implement the controls within the ECMs within Appendix 1 of this Minor Works Approval. All personnel attending site will be advised of controls and management during the onsite induction. Toolbox talks will be carried out prior to ground disturbance /site clearing works to ensure onsite personnel are made aware of potential loss of endangered species. If threatened flora or fauna species are identified on site, work in the vicinity of these species would stop immediately. spotter/catcher/botanist would be engaged to survey the	L5	C5	4	Undertake regular inspections of work areas pre, during and after works to ensure controls are in good condition.	
Air Quality			1						·	
General Construction works; site establishment	Dust activity in close proximity to residential and	L4	C5	7	Toolbox training on dust and air quality Management.	L4	C5	7	Undertake regular inspections of work areas pre, during and after works to ensure controls are in good condition.	

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Aspect	Potential Environmental	Initial Rating		Risk	Control Measures		Residual Rating		Management of Residual Risk
Kopoor	Impact	Lx				Lx			
	commercial premises, complaints received.				Provide dust mitigation measures through water sprays/misting as required.				
Exhaust from plant and equipment.	Emissions resulting in air pollution.	L4	C5	7	Inductions and toolbox training on dust and air quality management. Well maintained plant/ equipment and prestart checks and servicing. Non-compliant vehicles removed from site / repaired.	L4	C5	7	Review plant check list prior to operating on site. Undertake verification checks as required.
Traffic									
Loss of on-street car parking in adjacent residential streets and commercial areas / existing station carparks during construction.	Loss of parking availability to adjacent residential and commercial properties could result in community complaints.	L3	C5	12	Community notifications via monthly notifications and VMS boards / signage and consultation with adjacent businesses (localised cafes for example) in accordance with the OCCS. Follow and implement the TGS within Appendix 4 of this Minor Works Approval.	L4	C5	7	Complete regular toolbox talks on how to minimise impacts in relation to traffic. Undertake regular inspections of worksite and adjacent streets. Supervisor and traffic controller to enforce traffic management requirements
General construction traffic disturbing public access between local roads.	Disturbance to local residents resulting in complaints being made, limited access, potential for delays at local road access points resulting in complaints.	L3	C5	12	Following the TGS in Appendix 4 of this Minor Works Approval. Scheduled road movements shall be minimised where possible.	L4	C5	7	Complete regular toolbox talks on how to minimise impacts in relation to traffic. Undertake regular inspections of worksite and adjacent streets.
Visual Amenity									
Plant and equipment movement, Lighting and Mobile Crib	Surrounding aesthetic temporary altered during construction Lighting towers used during out of hours works may spill on nearby residents	L3	C5	12	The work area shall be maintained in an orderly manner Lighting required during night works shall be directed towards the work area and away from adjacent sensitive receivers	L4	C5	7	Undertake regular inspections of work areas pre, during and after works to ensure controls are in good condition.

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## **RE: Urgent Approval Request for Sapling Relocation**



#### Phillip Matevski

To 📀 Imran Khan; 🔿 Robel Chowdhury; 🔿 Metro; 🔿 Ryan Kane; 🔿 Emmanuel Smith; 🔿 Luis Barroso

Cc O Graeme Kyle; O Evan Johnston; O Wassim Habbouche; O David Luong

(i) This message is part of a tracked conversation. Click here to find all related messages or to open the original flagged message.

Hilmran,

We will be temporarily storing the trees within our site compound at 1 Bridge Road, Belmore (opposite 74 Bridge Road, Belmore), within large bulka bags filled with soil, being watered regularly. We are exploring other options for tree storage longer term until they are able to be replanted in their original location.

In the case the trees are not able to be replanted, we commit to replacing the Corymbia maculata (Spotted Gum) like-for-like from an advanced tree nursery when the bus stop is able to be relocated to its original location toward Canterbury Station.

Any questions, please let me know.

Kind regards,

Phil Matevski | Environment and Sustainability Manager

M 0420 353 980 | W www.martinusrail.com.au

## 

From: Imran Khan < Imran.Khan@cbcity.nsw.gov.au >

Sent: Tuesday, September 24, 2024 1:40 PM

To: Robel Chowdhury <<u>Robel.Chowdhury@transport.nsw.gov.au</u>>; Phillip Matevski <<u>phillip.matevski@martinus.com.au</u>>; Metro <<u>metro@cbcity.nsw.gov.au</u>>; Ryan Kane <<u>Ryan.Kane2@transport.nsw.gov.au</u>>; Emmanuel Smith <Emmanuel.Smith@transport.nsw.gov.au>; Luis Barroso <Luis.Barroso@martinus.com.au>

Cc: Graeme Kyle <graeme.kyle@martinus.com.au>; Evan Johnston <Evan.Johnston@martinus.com.au>; Wassim Habbouche <Wassim.Habbouche@transport.nsw.gov.au>; David Luong <david.luong@martinus.com.au> Subject: RE: Urgent Approval Request for Sapling Relocation

Hi Robel,

As before, councils stance is to not relocate the trees but council will not stop you from removing said trees.

Please clarify on where you will relocate the trees and how they will be stored?

Regards,



@ourcbcity

www.cbcity.nsw.gov.au



## RE: Dot Points For Martinus - Canterbury Road tree saplings



- ArborScan General Enquiries <info@arborscan.c To O Phillip Matevski
- Cc O Michael Saros; O Evan Johnston; O Graeme Kyle
- This sender info@arborscan.com.au is from outside your organization.
- (I) You replied to this message on 24/09/2024 3:38 PM.



Tue 24/09/2024 3:20 PM

You don't often get email from info@arborscan.com.au. Learn why this is important

Thanks Phil, we will have something on letterhead across to you in the morning.

Here is some base data from the arborist who attended site.

ArborScan Tree Summary – <u>CLICK HERE</u>

Note these trees could be hand-dug from the holes and transplanted to a new site. We could advise plenty of location options for this.

Spotted gums are easily sourced, and we would recommend planting new trees back in place of those removed.

The issued letter will address the findings and your points below.

Talk soon.

Best Regards,

Marc Fisher Consulting Arborist (AQF 5) 1800 ARBORSCAN (272 677) ISA Professional Member – 240990



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## **Appendix 2: Community Notifications**

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#### Sydney Metro City & Southwest

## **Construction Notification – Canterbury Station** September 2024

#### Sydney Metro is Australia's biggest public transport project.

By 2030, Sydney will have a network of four metro lines, 46 stations and 113km of new metro rail.

Sydney Metro is revolutionising how Australia's biggest city travels, connecting Sydney's north west, south west and greater

west to fast, reliable turn-up-and-go metro services with fully accessible stations.

The T3 Bankstown Line will close later this year for up to 12 months to complete the final metro conversion works and in 2025,

Southwest Sydney will have turn-up-and-go metro services every four minutes in the peak directly into Sydney CBD.

In September, work will continue along the corridor and at Canterbury Station (weather and site conditions permitting). Work will be undertaken during standard construction hours, Monday to Friday 7am-6pm and Saturday 8am-6pm.

#### What work are we doing?

Location	Work during standard hours
Canterbury (along the rail corridor)	<ul> <li>Site investigations, surveys and associated activities</li> <li>De-vegetation and tree clearing around the rail corridor where required</li> <li>Mobilisation and demobilisation of plant and materials</li> <li>Work related to security fence installation and combined services route (CSR) within the corridor</li> <li>Signalling related work and testing and commissioning of services and equipment and inspections</li> <li>Parking removal and lane closures to facilitate plant and truck operation, and parking and access</li> <li>Installation and modification of combined service route (CSR), cables, and trackside equipment</li> <li>Demolition of the former Canterbury Signals Depot building</li> <li>Pedestrian footpath between former Canterbury Bowls Club and rail corridor to be closed between Canterbury Rd and Church St Pedestrian Footbridge. Diversions in place via Church St and Tincombe St</li> <li>Establishment of laydown areas for temporary storage of construction materials</li> </ul>
Around Canterbury Station	<ul> <li>Minor defect rectification work as required</li> <li>Minor civil, electrical and containment works at station building/platforms</li> <li>Testing and commissioning activities</li> <li>Ongoing termination and cabling work within the station and on platforms</li> <li>Installation of brackets and containments, and installation and modification of cable service routes</li> <li>Installation of equipment, cables, cable tray and cabinets in station rooms and buildings</li> <li>Security fence installation</li> <li>Signalling related work</li> <li>Mobilisation of site compound and establishment of ancillary sites including a site office and ablutions</li> <li>Parking removal and lane closures to facilitate plant and truck operation, and parking and access</li> <li>Establishing laydown areas for temporary storage of construction materials</li> </ul>
Services building site on Charles Street	<ul> <li>Ongoing termination and cabling work, electrical fit out and finishing work in services buildings</li> <li>Testing and commissioning of equipment and services</li> <li>Minor defect rectification work as required</li> <li>Landscaping, remediation and maintenance activities</li> </ul>
Former Bowling Club	<ul> <li>De-vegetation and tree clearing throughout the rail corridor where required</li> <li>Mobilisation and demobilisation of plant and materials including preparatory activities for future work</li> </ul>
Substation site (off Hutton Street)	<ul> <li>Ongoing termination and cabling work</li> <li>Testing and commissioning of equipment and services</li> <li>Drainage work on Hutton Street, with temporary lane closure and traffic management in place</li> <li>Traffic control to facilitate truck movements on The Boulevarde, as required</li> </ul>

\*From time to time we may finish work later than 6pm to complete concrete pours. This entails finishing off poured concrete using manual and powered floats and may continue until 10pm. This may occur on up to four separate evenings during the month. Noise impacts from this work will be very low.





#### Out-of-hours (night) work - due to the nature of some activities and for the safety of community and workers, some work will occur outside standard construction hours

Date/ Inne	Ou	
Mid-week between 6pm and 7am (for no more than 3 nights per week)	•	Site investigations, surveys and associated activities Mobilisation and demobilisation of plant and materials Installation of brackets and containments on station pla Testing and commissioning of equipment and services, Signalling related work

Out-of-bours work

- equipment and services, and trackside inspection
- Utility locating and associated activities at Melford Street and Canterbury Road overbridges

ntainments on station platform

#### What to expect

Date/Time

- Equipment used includes, but is not limited to excavators (including rock hammering equipment), concrete trucks and pumps, concrete vibrators, mobile cranes, elevated work platforms, loaders, rail tamper, hammer drill, rail grinder, hi-rail vehicles, generators, lighting towers, milling machine, paver, water cart, light and heavy vehicles, tippers, dump and delivery trucks, hand-held and electric tools, demolition and road saws, jack hammers, power drills, vacuum truck, asphalt paver, welding equipment, rail and circular saws and compaction equipment including a roller.
- The project team will take every step possible to minimise noise impacts, however some of this work will be noisy. A range of measures are in place to reduce noise and meet the project's approval conditions, including noise barriers, using only the necessary equipment for each task, turning off equipment when not in use and equipping machinery with non-tonal

movement alarms. Respite hours will be implemented in line with the project's approvals. Highly impacted residents will be notified separately.

- Some equipment may be transported outside of standard construction hours in line with Transport for NSW requirements for transporting oversized vehicles.
- Access to buildings and driveways will be maintained at all times.



We will park our vehicles along the rail corridor where possible however, please be aware that on-street parking may be limited near worksites, particularly during planned rail possessions.

#### Thank you for your cooperation and understanding while we complete this essential work.

#### Contact us

24-hour Community Information Line 1800 171 386

southwestmetro@transport.nsw.gov.au

Sydney Metro City & Southwest, PO Box K659, Haymarket NSW 1240



#### Translating and interpreting service

If you need help understanding this information, please contact the Translating and Interpreting Service on 131 450 and ask them to call us on 1800 171 386

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## Appendix 3: Tree Impact Assessment (to be appended)

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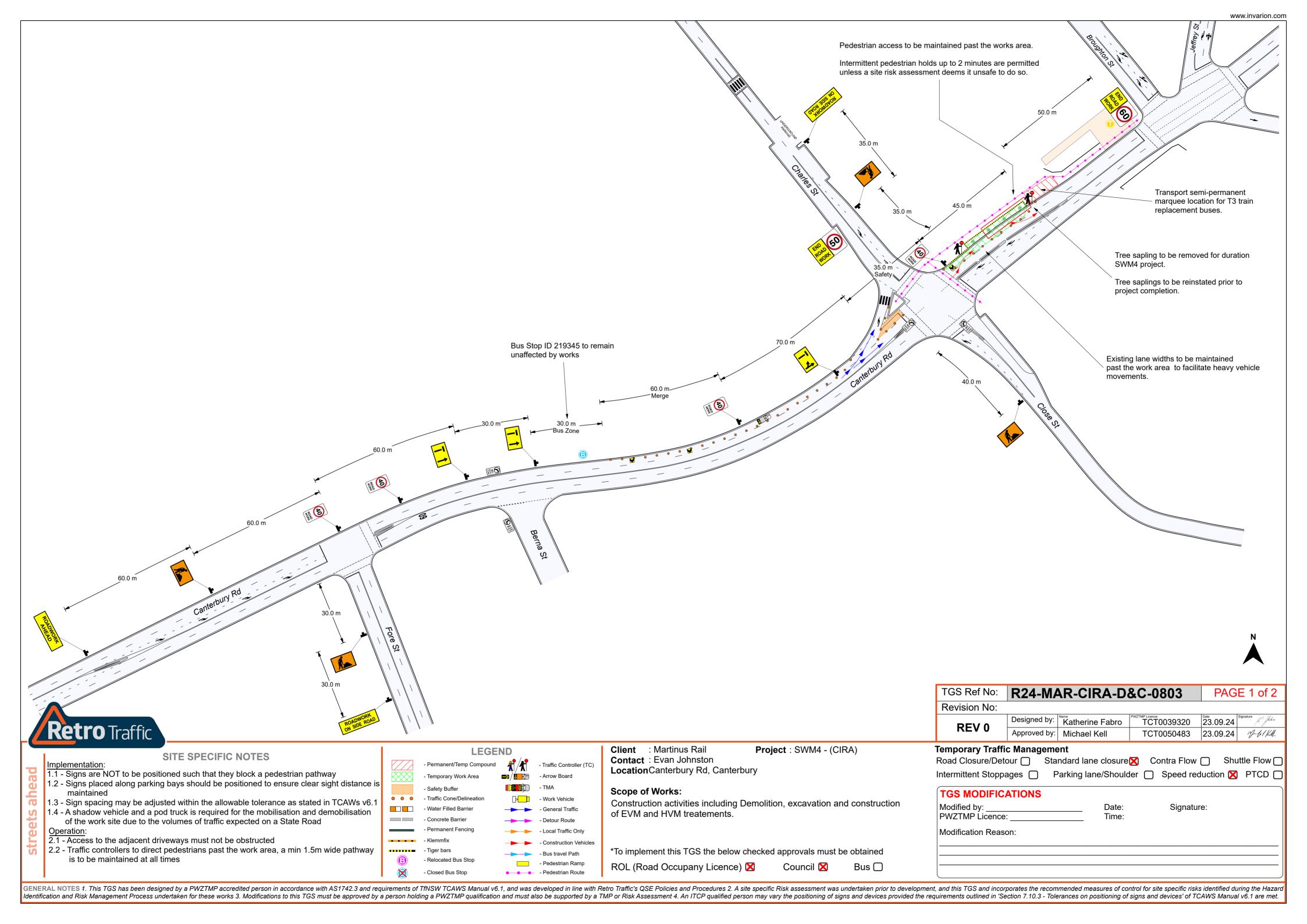
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## **Appendix 4: Traffic Guidance Schemes**

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RETRO TRAFFIC Traffic Guidance Scheme Risk Assessment & TGS Verification Checklist												
Location Details				Temporary Traffic	Manad	lement	Method: A	Around C	Past	Through		
	_		o	<u>Temporary trainer</u>	manag	cillent			Tast	mougn		
Road <u>Canterbury Rd</u> Suburb <u>Canterbury</u>			Speed: 50 km/hr	Reason method sele	ected <sup>.</sup>	Acceptable v	vorker/traffic o	ffset can be n	naintained pa	st the work	area	
Direction: (N) E S W Nearest Cross Street Cha	irles S	<u>St</u>			colou.		Vonton a ano o				arou	
Risk Assessment				Consequ	Jence							
	<b>—</b>	_	Description	of risks	Enter	Likelihood	Insignifica	Minor	Moderate	Major	Catastroph	
Section 1 - General	Yes	No	if answered no to		Risk Rating		nt	MITO	moderale	Majoi	ic	
1.1 - Does the TGS define minimum clearances required of workers to live traffic, are distances compliant?	X		+		. uuung	Almost certain	3 High	3 High	4 Acute	4 Acute	4 Acute	
1.2 - Are worker symbolic signs to be placed in advance of areas where workers will be visible to traffic?	×	$\overline{}$	+				2					
1.3 - Are all signs placed at correct distances? i.e. D for multiple signs, 2D for single sign above 60km/h	×	$\overline{\neg}$	+			Likely	2 Moderate	3 High	3 High	4 Acute	4 Acute	
1.4 - Are Taper lengths compliant and not placed in areas with poor sight distance?	×	$\overline{\Box}$	+									
1.5 - Are lane status signs placed in advance of a lane merge?	×		+			Possible	1 Low	2	3 High	4 Acute	4 Acute	
1.6 - Are the correct Tapers being used? i.e. Merge Taper, Traffic Control Taper, Lateral Shift Taper.	×	$\overline{}$	+					Moderate				
1.7 - Does the TGS clearly define transition zones between tapers on multilane roads, are they compliant?	$\square$	$\overline{}$	N/A			Unlikoly	llow	1100	2	2 High	A A quito	
1.8 - Does the TGS clearly define Buffer areas, are they compliant and at least 30m in length?	×	$\overline{}$	1			Unlikely	1 Low	1 Low	Moderate	3 High	4 Acute	
1.9 - Does the TGS clearly define site access and egress for work vehicles, is impact to traffic managed?	×	$\overline{}$	+						2			
1.10 - Does the TGS clearly define pedestrian routes, are the routes suitable for all pedestrians?	×	$\overline{}$	+			Rare	1 Low	1 Low	Moderate	3 High	3 High	
1.11 - Does the TGS consider Cyclists, can Cyclists transverse the site safely?	X		+				T	20 Vorified	tion Check	liet		
Section 2 - Does the TGS Involve Shuttle Flow arrangements? Yes No			Descriptio	n of ricko	Enter			55 vernica	tion check	list		
(If answered no proceed to section 3)	1	No	if answered no t		Risk Rating	Have the below items been addressed						
2.1 - Is a PTCD used in place of a manual Traffic Controller where existing speed is greater than 45km/h?		*	*			Section 5 - V		on the I	TGS for this loca	ation?	Yes No	
2.2 - Is the operating speed of the road 60km/h or less where Traffic Control or PTCD are in use?			1			Traffic Volumes						
2.3 - Are x4 Traffic Cones placed on the edge or center line, approaching the Traffic Controller or PTCD?			†		<u> </u>	Predicted Queue Length						
2.4 - Is Prepare to stop and Traffic Control or PTCD symbolic signs installed?						Shoulder Widths						
2.5 - Do Traffic Control and PTCD positions have adequate lighting during low light conditions?						Sight Distances						
2.6 - Does sight distance of at least 1.5D exist on approach to Traffic Control or PTCD						Existing Infrastru	ucture ces (i.e. Bus Stops)					
Section 3 - Does the TGS Involve Detours of Traffic Yes No	1		Description		Enter Risk	Appropriate Site	, ,					
(If answered no proceed to section 4)	Yes	No	if answered no to	o any question	Rating		cape Route for Traff	ic Controllers				
3.1 - Are detour routes suitable for all vehicle classes being detoured?	┞Щ	<u> </u>	<u> </u>									
3.2 - Is access to local residence and business maintained?	$\square$	<u> </u>	<u> </u>			Section 6 - 0	Confirmation	(Comp	leted on Site	as per Da	ailv HAC)	
<ul> <li>3.3 - Are detour signs located at decision points to clearly guide motorists through detour?</li> <li>3.4 - Can roads and intersections used as detour routes accommodate the additional traffic volume?</li> </ul>	╞╧	<u> </u>	+			Does the TGS r	equire adjustments	· ·				
Is the same level of asfety maintained for turn meyoments? a sufficiency as realized interpositions			+			L	equire any addition					
3.5 - Is the same level of safety maintained for turn movements? e.g. Traffic using signalized intersections Being sent through a detour route that involves turn movements at non-signalised intersections.							opriate for use for v				$+ \exists \exists$	
	<u> </u>		,4		Enter Risk		been addressed on					
Section 4 - Other Hazards & Risks					Risk Rating			dditional C	Comments			
4.1 -												
4.2 -												
43 -												
4.4 - Risk Management If 'No' selected for any question in items 1, 2, 3 or 4 in the Risk Assessment,												
Risk Management If 'No' selected for any question a control needs to be assigned in	TGS Ref:	R24-MAR	-CIRA-D8	C-0803	PAG	GE 2 of 2						
Item Control Meas	ures				Remaining Risk Rating		Designed by:	Katherine Fa	abro TCT00393	320 Date 23.09.2	24 Signature	
						REV 0	Approved by:	Michael Kell	TCT00504	483 23.09.2	24 J-61KM	
							1 Up Manager:					
						* Denotes app	proval from one up	manager requir	red		I	