

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 TfNSW/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:	Laing O'Rourke
Project:	Sydney Yard Access Bridge
Application Title:	SYAB 003 - Minor Works Application
Application Number:	Addendum to SYAB-002
Application Date:	19/05/2017 (25/05/17)
Planning Approval:	SSI 15_7400
Minor Works Categories: <ul style="list-style-type: none"> Highlight as applicable. If Items 4, 8 or 11 are applicable, this form must be endorsed by an Environmental Representative. 	<ol style="list-style-type: none"> Survey, survey facilitation and investigations works (including road and building dilapidation survey works, drilling and excavation). Treatment of contaminated sites. Establishment of ancillary facilities (excluding demolition), including construction of ancillary facility access roads and providing facility utilities. Operation of ancillary facilities that have minimal impact on the environment and community. Minor clearing and relocation of vegetation (including native). Installation of mitigation measures, including erosion and sediment controls, temporary exclusion fencing for sensitive areas and acoustic treatments. Property acquisition adjustment works, including installation of property fencing and utility relocation and adjustments to properties. Utility relocation and connections. Maintenance of existing buildings and structures. 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. 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.
Planning Authority Determination: Will the proposed works affect or have the potential to affect heritage items, threatened species, populations or endangered ecological communities?	The Sydney Metro City and Southwest Chatswood to Sydney Project Conditions of Approval (SSI 15_7400) defines low impact work to include "Minor clearing and relocation of native vegetation; as identified in the EIS as amended by the description in the PIR". The EIS (p.187) assesses the impact of the removal of the subject trees currently located on the presented design of the Sydney Yard Access Bridge access. The replacement tree planting proposal is currently under review with the Design Review Panel and will incorporate trees in the new space to be created by the removal of the terraces at 56-62 Regent Street at the new Bridge entrance. Replacement trees will be no smaller than 75 litre pot size.

Part 2: Details

Describe the proposed Minor Works: Including work methodologies, site location(s) and site description(s) (e.g. landscape type, waterways, etc.).	Tree removal would be conducted during the hoarding erection works that have been approved under Minor Works Approval SYAB 002. The proposed tree clearing works includes the following activities							
	<table border="1"> <thead> <tr> <th>Work Activity</th> <th>Plant & Equipment</th> <th>Indicative Timing</th> </tr> </thead> <tbody> <tr> <td> Tree removal Establish traffic control commencing at 9:30pm Fell two trees. Load sections into trucks and remove from Regent Street worksite Woodchip offsite during standard construction hours at sub contractor's depot </td> <td> Hiab truck Light vehicles Chain saw Lighting towers Tree chipper truck </td> <td> Out of Hours Works on 07/06/17 and one night contingency on 08/06/17 </td> </tr> </tbody> </table>	Work Activity	Plant & Equipment	Indicative Timing	Tree removal Establish traffic control commencing at 9:30pm Fell two trees. Load sections into trucks and remove from Regent Street worksite Woodchip offsite during standard construction hours at sub contractor's depot	Hiab truck Light vehicles Chain saw Lighting towers Tree chipper truck	Out of Hours Works on 07/06/17 and one night contingency on 08/06/17	Note – all works outside standard hours will require a separate OOH work application. Site layout is shown on the ECM in Appendix 1
Work Activity	Plant & Equipment	Indicative Timing						
Tree removal Establish traffic control commencing at 9:30pm Fell two trees. Load sections into trucks and remove from Regent Street worksite Woodchip offsite during standard construction hours at sub contractor's depot	Hiab truck Light vehicles Chain saw Lighting towers Tree chipper truck	Out of Hours Works on 07/06/17 and one night contingency on 08/06/17						
Planned Commencement Date:	7 June 2017 with 1 night contingency on 08/06 17							
Local Sensitivities: Describe the presence (if any) of local sensitive environmental areas and community receptors.	Community – Co-Masonic Building residents are immediately adjacent the work site. The alignment of the terraces blocks the direct line of site to the works.							

Part 3: Environmental Risk Assessment and Management

Prepare an Environmental Risk Assessment (in accordance with the <i>Sydney Metro Risk Management Standard</i>) 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, etc.).	<ul style="list-style-type: none"> - Sydney Metro Construction Environmental Management Framework - Planning approval SSI 15_7400

Part 4: Workforce Notification

How will the environmental and community risks and associated mitigation measures of the proposed Minor Works be communicated to the contractor's workforce?	All workers will undertake Sydney Metro Orientation Training & Sydney Yard Access Bridge specific induction. In addition, there will be a pre-start briefing undertaken by the worksite manager at the start of shift for all work groups. This will detail the environmental and community risks.
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Part 5: Community Consultation

What community consultation has been undertaken already?	Sydney Metro issue a monthly notification for SYAB works detailing upcoming works.
What community consultation is planned to be undertaken?	Additional notifications will be undertaken in accordance with the OOHW Approval requirements.
If drafted already, attach applicable Community Notification as Appendix 3.	

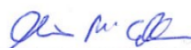
Part 6: Contact Details

Nominate contractor's project manager, environmental and communications contact(s).

Name:	Huw Griffiths	Position:	Project Manager	Phone:	0477 385 262
	Chris McCallum		Environmental Manager		0408 264 164

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:	Chris McCallum		
Signature:		Date:	25/05/17

Determination Page

(TfNSW/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).

	TfNSW Principal Manager, Communication & Engagement – Endorsement (required for all applications)	TfNSW Principal Manager, Sustainability, Environment & Planning – Approval (required for all applications)	Environmental Representative – Endorsement (required as necessary in accordance with the applicable planning approval, optional for all other circumstances)
Signature:			
Name:			Annabelle Tungol Reyes
Date:			25/05/2017
Comments:			<p>Supporting letter attached as Appendix 4 if necessary.</p> <p>This is an amendent to the SYAB 002 MWA to include tree removal (2 trees) at Regent St as per the Tree Report and EIS.</p> <p>OOHW approval have been reviewed and signed by Acoustic Advisor.</p>
Conditions:			<p>Supporting letter attached as Appendix 4 if necessary.</p> <p>Implement conditions noted in OOHW approval. Implement Tree Report</p>
<input type="checkbox"/>	Approved (by TfNSW)		
<input checked="" type="checkbox"/>	Endorsed (by Environmental Representative)		
<input type="checkbox"/>	Rejected		

Appendix 1: Cover Page

Environmental Risk Assessment and Environmental Control Map.

Risk Assessment Rankings: >17 = Extreme 10 - 16 = High 5 - 9 = Medium 1 - 4 = Low

Issues or activities that represent an Extreme risk after the application of control measures are not to be undertaken

Aspect	Potential Environmental Impact	Initial Risk Rating			Control Measures	Residual Risk Rating		
		P X	C =	Risk		P X	C =	Risk
Approvals and Licensing								
Not identifying appropriate approvals / licenses required or proceeding without them.	Works delayed, infringements, prosecution and reputational loss.	P	3	M	Planning approval has been granted for the Sydney Metro Sydenham to Chatswood works. This minor works application is being completed to ensure appropriate documentation is completed to management environmental risk of the project. No permanent construction works are to be completed. The Sydney Metro City and Southwest Chatswood to Sydney Conditions of Approval (SSI 15_7400) defines low impact work to include: <ul style="list-style-type: none"> Minor clearing and relocation of native vegetation; as identified in the EIS as amended by the description in the PIR; MCoA E6: Tree Report to be submitted to DPE and City of Sydney Council for information prior to commencement of works.	U	3	M
Noise								
Noise from minor works activities.	Disturbance to residents or neighbouring businesses. Potential for complaints.	P	3	M	Control measures as per Community Consultation Strategy (CCS) are to be implemented. Consult with the community in relation to upcoming activities that may result in concern (completed by Sydney Metro). Trees will be lopped into smaller pieces and loaded onto trucks for chipping offsite during standard construction hours Use silenced lighting towers and equipment where practical. Completion of tree cutting activities will be maximised prior to midnight. Complete noise monitoring to manage impact.	U	3	M
Vibration								
Vibration intensive activities undertaken on the site in proximity to sensitive heritage structures and community.	Damage to listed heritage items. Disruption, annoyance and nuisance to residents. Potential damage to adjacent residential and commercial residences and structures. Disruption to businesses as a result of vibration nuisance.	U	4	M	Tree removal is not considered to be a vibration intensive activity.	R	4	M
Water Quality, Erosion & Sedimentation								
Sediment laden runoff from investigation works leaving site.	Degradation of local watercourses. Increased turbidity in local water ways resulting in impact on aquatic life. Fines for sediment escaping site.	U	3	M	Existing stormwater drains will be identified prior to minor works. Sand bags / sediment controls to be installed where required. Streets to be cleaned of debris after tree removal	R	3	L
Non-compliant water from investigation works discharged from site	Non-compliant water entering stormwater system waterways (i.e. polluting - not compliant with discharge criteria).	P	3	M	Induction and toolbox talks; educate site staff on licence conditions and consequences of prosecution. No water discharge anticipated for the works. If required, Environmental Manager/representative to approve all water discharges from site.	U	3	M
Waste								
Waste disposal during works.	Incorrect disposal of waste, further costs incurred for classifications and disposal, fines may be issued.	P	2	M	Ensure accurate waste records are retained and recorded in monthly project report. Removal of wastes from the site would only be undertaken by a licensed contractor as required by the POEO Act All material that requires off-site disposal to be appropriately classified against the Waste	U	2	L

Aspect	Potential Environmental Impact	Initial Risk Rating			Control Measures	Residual Risk Rating		
		P X	C =	Risk		P X	C =	Risk
					Classification Guidelines (DECC, 2008).			
Contamination								
Potential for discovery of unexpected contaminated spoil during minor works	Health effects resulting from airborne contamination, e.g. asbestos. Complaints received from odours.	P	3	M	If contaminated soil is encountered, all works are to stop in the vicinity of the find and investigations commence. Induct personnel on location, type, nature, concentration of contaminants on site if found.	U	2	L
Hazardous Materials								
Storage of hazardous substances, leaking plant and equipment and spillage from refuelling.	Localised ground contamination / pollution of stormwater and requiring clean-up and/or receiving fines. Risk of igniting volatile substances.	U	3	M	No fuels or hazardous materials to be stored on site for minor works. Spill kits to be onsite when using plant/equipment. No major servicing of equipment to be undertaken onsite. Pre-mobilisation checks on all plant/equipment to come to site, including check of fuel and hydraulic leaks.	R	3	L
Biodiversity								
Vegetation trimming / clearing required outside approved work area.	Unauthorised works / removal of vegetation outside defined work area, possibility of removing threatened species, fines incurred. Wrong vegetation removed.	R	3	L	Trees to be assessed in the Tree Report and submitted to DPE and City of Sydney Council for information prior to commencement of work. Trees to be removed are identified on pre-start documentation	R	1	L
Clearing and grubbing of vegetation within work site.	Potential for injury to native fauna.	R	3	L	No hollows have been identified. Trees to be inspected for nests prior to removal, and an ecologist consulted if any are found.	R	1	L
Air Quality								
General works; investigative excavations, deliveries, soft strip, etc	Dust activity in close proximity to residential and commercial premises, complaints received.	U	3	M	No excavation for works.	R	3	L
Exhaust from plant and equipment.	Emissions resulting in air pollution.	U	3	M	Well maintained plant/ equipment and pre-start checks and servicing. Non-complaint vehicles removed from site / repaired.	R	3	L
Heritage								
Unexpected heritage items encountered.	Work delays, additional studies, approvals required, damage to heritage item.	P	3	M	No excavation required for the tree removal General inductions on heritage management 'stop-works' protocol. If suspected heritage item encountered. Works to stop immediately and Environment Manager contacted. Label any known heritage items on Environmental Control Maps.	U	3	M
Traffic								
Impacts to local traffic	Traffic congestion due to lane closures.	P	3	M	ROL and TCP approved prior to commencement of work. Tree removal to be undertaken at night to utilise a local lane closures. This will minimise impact to the local traffic and minimise worker proximity to live traffic movements. Pedestrian management with traffic controller in place.	U	3	L
Resources and Energy Use								
Energy consumption by plant and equipment.	Inappropriate energy use, waste of energy recourses, energy wastage costs, increased greenhouse gas emissions.	U	2	L	No idling of plant equipment where possible onsite. Equipment / plant equipment inspections must be undertaken prior to use on site.	R	2	L

Aspect	Potential Environmental Impact	Initial Risk Rating			Control Measures	Residual Risk Rating		
		P X	C =	Risk		P X	C =	Risk
Resource usage (e.g. building materials, water, fuels, packaging), waste generation and disposal	Depletion of resources due to wastage (e.g. wastage of water / no recycling, poor management of procurement, ineffective removal of off-cuts, waste, i.e. no recycling).	U	2	L	Subcontractor's agreements to include project compliant waste management principles. Waste management undertaken in accordance with the Waste Avoidance and Resource Recovery Act 2001.	U	2	L

For each identified issue, consider the 'maximum credible' (not absolute worst case) risk that could result with **minimal or no controls** other than existing and using normal work practices.

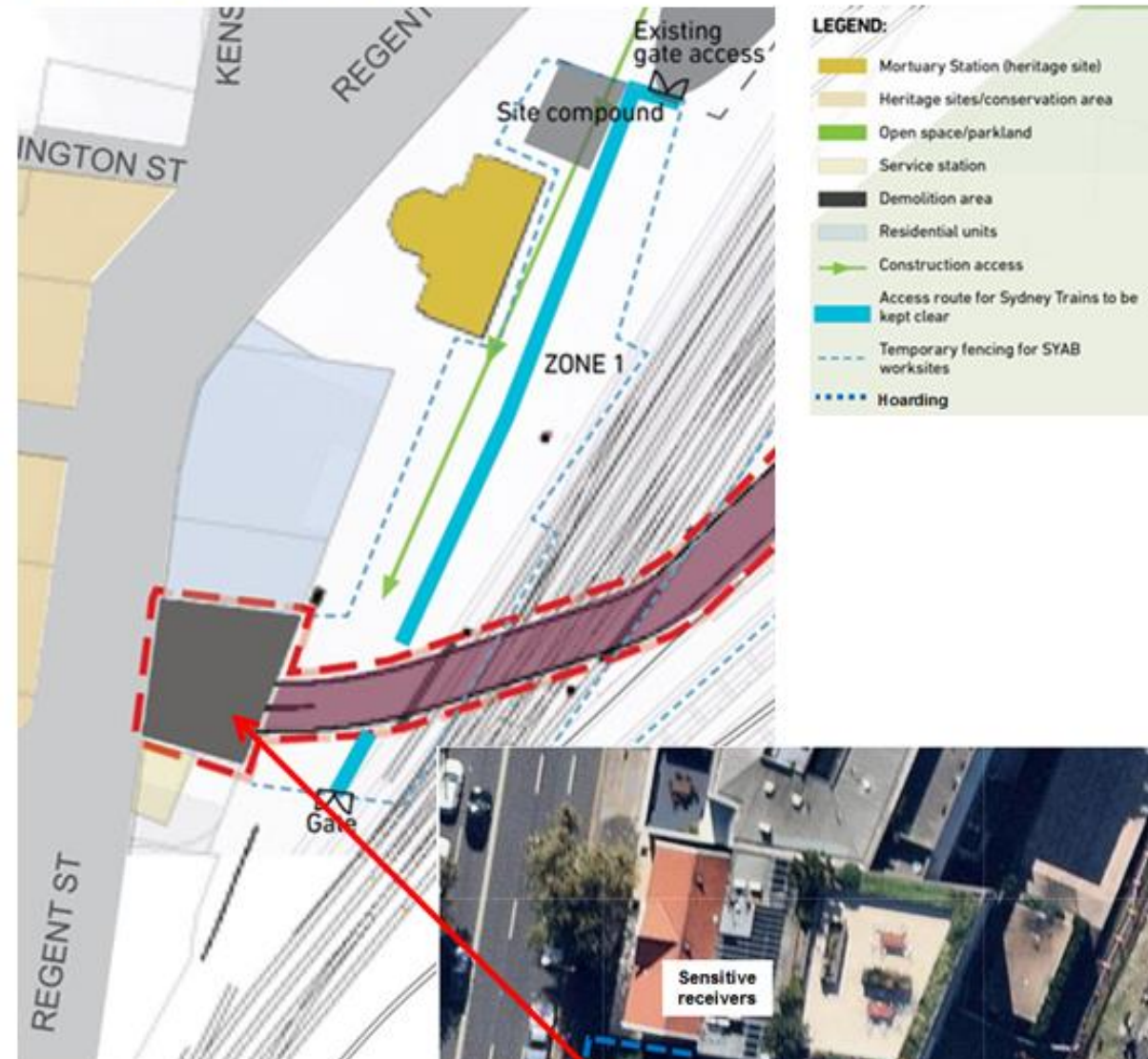
Note: Any one of the listed consequences must result in the use of the applicable consequence grading.

Probability:		Consequence:				
5 = Certain 4 = Likely 3 = Possible 2 = Unlikely 1 = Rare		5 = Severe 4 = Major 3 = Moderate 2 = Minor 1 = Incidental				
1 - 4 Acceptable 5 - 9 Acceptable with control measures 10 - 16 Requires the implementation of best practice 17 and Above = UNACCEPTABLE						
5	Certain	<ul style="list-style-type: none"> Common or repeating occurrence Consequence can reasonably be expected to occur in life of Project. 	5	Severe	<ul style="list-style-type: none"> Major pollution incident causing significant and widespread damage or potential to health or the environment Persistent reduction in ecosystem function and value. Ongoing disruption and loss of protected species. Major prosecution likely, outcome in excess of \$500,000 	
4	Likely	<ul style="list-style-type: none"> Known to have occurred / "has happened" Conditions may allow the consequence to occur on the Project during its lifetime The event has occurred within the Business Unit within the previous 5 years. 	4	Major	<ul style="list-style-type: none"> Significant widespread and persistent changes to habitat, species or environmental media Significant pollution incident causing damage or potential damage to health or the environment external to the site. Potential for prosecution. Potential outcome between \$50,000 - \$500,000 Numerous substantial complaints Actual material environmental harm 	
3	Possible	<ul style="list-style-type: none"> Could occur / "heard of it happening" Exceptional conditions may allow consequences to occur on the Project, or has occurred nationally within the Australian Business. 	3	Moderate	<ul style="list-style-type: none"> Localised irreversible habitat loss or effects on habitat, species or environmental media Reportable incident to the relevant environmental regulator or other authority. Demonstrated breach of legislative, licence or guideline requirements. Likely infringement notice or fine, potential for prosecution up to \$50,000. Will cause complaints. 	
2	Unlikely	<ul style="list-style-type: none"> Not likely to occur Reasonable to expect that the consequence will not occur on the Project. Has occurred in industry but not in Business Unit. 	2	Minor	<ul style="list-style-type: none"> Localised degradation of habitat or short term impacts to habitat, species or environmental media. Pollution incident that marginally exceeds licence conditions or guidelines for acceptable pollution. Fine unlikely. Potential for complaints. 	
1	Rare	<ul style="list-style-type: none"> Practically impossible Not known to have occurred in industry or unheard of. 	1	Incidental	<ul style="list-style-type: none"> Localised or short term effects on habitat, species or environmental media. Fully contained on site and can be fully remediated. Little potential for fine or complaints. Insignificant or trivial incident 	
Probability ►		CERTAIN	LIKELY	POSSIBLE	UNLIKELY	RARE
▼ Consequence		5	4	3	2	1
5 – Severe		25	20	15	10	5
4 – Major		20	16	12	8	4
3 – Moderate		15	12	9	6	3
2 – Minor		10	8	6	4	2
1 – Incidental		5	4	3	2	1

SYAB Minor Works 003 Environmental Control Map – Page 1 of 2

Site Map

The hoarding installation and tree removal are located on Regent Street in front of the demolition area



○ - Trees to be removed 🚧 Location of chipper - - - Hoarding

Works Description and Program

NO GO ZONES: ACCESS TO MORTUARY IS NOT PERMITTED

CONTACT INFORMATION

Environmental Manager – Chris McCallum	0408 264 164
Project Leader – Huw Griffiths	0477 385 262
Independent Environmental Representative – Annabelle Reyes	0416 170 480
TfNSW Construction Response Line	1800 775 465
TfNSW Info Line	1800 684 490
Environmental Line / Pollution Incident Response Line	131 555
Office of Environment & Heritage Pollution Line	131 555
Emergency	000 or 112 (mobiles)
WIRES	1300 094 737

June 2017 Out of Hours Approval 2 shifts

Tree removal on Regent St	Plant & Equipment
	Chain saw Tree chipper Hiab truck Light vehicle Lighting towers

Standard Working Hours

Unless otherwise approved by the Environmental Manager, works will be restricted to:

- 7:00AM to 6:00PM - Monday to Friday
- 7:00AM to 1:00PM - Saturdays

No work on Sundays or public holidays.

Works require an OOHW Approval by Sydney Metro.

SYAB Minor Works 003 Environmental Control Map – Page 2 of 2

Environmental Aspects	
Site Induction	Soils and water
<ul style="list-style-type: none"> - All staff and contractors to be trained on environmental issues and location of sensitive areas. - Daily pre-start/toolbox meetings to include this Environmental Controls Map and to address specific day to day environmental concerns. 	<ul style="list-style-type: none"> - Sandbags / silt socks to be placed around drain inlets adjacent/downslope. - Debris from tree removal will be cleaned prior to the end of the shift.
Air Quality	Waste
<ul style="list-style-type: none"> - All vehicle and machinery movements during works is restricted to designated areas - All site vehicles and machinery would be switched off or throttled down to a minimum when not in use 	<ul style="list-style-type: none"> - Maintain waste docket for the site
Heritage	Noise and Vibration
<ul style="list-style-type: none"> - A number of items of heritage significance have been identified adjacent to the proposal area, the items include: <ul style="list-style-type: none"> ▪ Mortuary Station – no access to Mortuary Station is permitted. ▪ Co-Masonic residential building - no access is permitted. - If intact subsurface elements are uncovered during the works all work in the vicinity of the find must cease and appropriate advice would be sought from OEH and/or heritage consultants. Work in the vicinity of the find would not re-start until clearance has been received. - If previously unidentified Indigenous heritage items are uncovered during the work, all work in the vicinity of the find must cease and appropriate advice would be sought from OEH and/or heritage consultants. Work in the vicinity of the find would not re-start until clearance has been received. - Unexpected finds of heritage items must be reported to Sydney Metro. 	<ul style="list-style-type: none"> - Residential receivers on Regent St adjacent works will be notified of the works via letter box notifications and direct communications as per OOHW requirements. - All plant used regularly on site will have non-tonal alarms. - Noisiest activities scheduled as early in the Night time period as far as practical. - Turn off plant that is not being used. - Ensure plant is regularly maintained, and repair or replace equipment that becomes noisy. - Monitor noise levels, as required, to ensure compliance with project noise management levels. - All out of hours works require approval from Sydney Metros.
Traffic and Transport	Biodiversity
<ul style="list-style-type: none"> - Plant movements are restricted to the designated traffic routes. If plant is required to be delivered outside of normal hours due to safety concerns contact Environmental Manager. - Access requirements will be managed by using existing driveways and hard stand roads into the site areas. - All delivery drivers will be briefed on heritage status of Mortuary Station. - Additional traffic control will be implemented as required. 	<ul style="list-style-type: none"> - Trees to be assessed in the Tree Report and submitted to DPE and City of Sydney Council for information prior to commencement of work. - Trees to be removed are identified on pre-start documentation - No hollows have been identified. - Trees to be inspected for nests prior to removal, and an ecologist consulted if any are found. - If fauna is encountered on site – stop work and contact the site supervisor.
Chemical and fuel storage and use	Imported materials
<ul style="list-style-type: none"> - No fuel or chemical storage on site 	<ul style="list-style-type: none"> - All sources of imported materials (backfill trench material) must be approved and sourced by appropriately licenced supplier

Appendix 2: Cover Page

Environmental Management Documentation – Provided separately

Appendix 3: Cover Page

Community Notification – UNDERTAKEN BY SYDNEY METRO

Appendix 4: Cover Page

Environmental Representative Supporting Letter - Refer to Section 12 Determination Page above