

## 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	
<b>Contractor:</b>	GHD
<b>Project:</b>	Sydney Metro City & Southwest, Asset Condition Assessment, Central Station
<b>Application Title:</b> (e.g. Smith St trenching works)	Core sampling - Investigation works at Central Station
<b>Application Number:</b>	001
<b>Application Date:</b>	15/02/17 28/02/17 (resubmitted)
<b>Planning Approval:</b>	SSI 15_7400
<b>Minor Works Categories:</b> <ul style="list-style-type: none"> <li>Highlight as applicable.</li> <li>If Items 4, 8 or 11 are applicable, this form must be endorsed by an Environmental Representative.</li> </ul>	<ol style="list-style-type: none"> <li>Survey, survey facilitation and investigations works (including road and building dilapidation survey works, drilling and excavation).</li> <li>Treatment of contaminated sites.</li> <li>Establishment of ancillary facilities (excluding demolition), including construction of ancillary facility access roads and providing facility utilities.</li> <li>Operation of ancillary facilities that have minimal impact on the environment and community.</li> <li>Minor clearing and relocation of vegetation (including native).</li> <li>Installation of mitigation measures, including erosion and sediment controls, temporary exclusion fencing for sensitive areas and acoustic treatments.</li> <li>Property acquisition adjustment works, including installation of property fencing and utility relocation and adjustments to properties.</li> <li>Utility relocation and connections.</li> <li>Maintenance of existing buildings and structures.</li> <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> <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>
<b>Planning Authority Determination:</b> Will the proposed works affect or have the potential to affect heritage items, threatened species, populations or endangered ecological communities?	<p><i>If ‘Yes’, this completed form must be endorsed by an Environmental Representative, approved by TfNSW and submitted to the applicable planning authority to determine that the works are not defined as ‘construction’.</i></p> <p>Yes. Limited disturbance to the Central Station built heritage fabric is proposed to undertake core samples for investigative purposes.</p> <p>Advice from GML is the investigative works ‘would not present a significant impact to the heritage significance of the site, including potential archaeological relics’.</p> <p>A S57 exemption has been obtained for these works.</p>

**Part 2: Details**

<p><b>Describe the proposed Minor Works:</b> Including work methodologies, site location(s) and site description(s) (e.g. landscape type, waterways, etc.).</p>	<p>This application relates to Central Station investigation works, and in particular to Core sampling. This involves the collection of a 100-150 mm diameter core sample (drill) from the wall and floor. The sample depth will be approximately 200 mm.</p> <p>Sampling will be done at the locations indicated in the attached plan. There are four types of wall finishes – (a) Devonshire tunnel, where there is a mural cladding, on top of tiles; (b) Olympic tunnel, where there is a plain cladding; (c) Southern commuter tunnel, where there are generally green and white tiles and (d) Baggage tunnel, where the finish is cement mortar render.</p> <p>Please refer to attached Method Statement for details.</p>
<p><b>Planned Commencement Date:</b></p>	<p>1<sup>st</sup> March 2017</p>
<p><b>Local Sensitivities:</b> Describe the presence (if any) of local sensitive environmental areas and community receptors.</p>	<p>The core sampling locations are predominantly within commuter tunnels. As such works are planned to be carried out during night time (11PM-4AM).</p>

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

<p>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.</p> <p>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.</p>	
<p><b>Documentation:</b> 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.).</p>	<p>These investigation works will be carried out under the approved Environment Management Plan and the Job Safety and Environment Assessment (JSEA) for the works. Attached in Appendix 2</p> <p>S 57(2) exemption letter from OEH File Number EF14/5612.</p>

**Part 4: Workforce Notification**

<p>How will the environmental and community risks and associated mitigation measures of the proposed Minor Works be communicated to the contractor's workforce?</p>	<p>GHD will do a pre works brief to personnel doing the sampling works. This brief will cover the Environmental, community and safety risks and control measures.</p> <p>A senior engineer experienced in coring activity will do the GHD pre works brief to all internal staff and sub-contractor staff. A detail risk assessment carried out identified key risks and controls. Attached Job Safety and Environmental Analysis (JSEA) lists the key Risks and controls. Circulate JSEA to all staff earmarked for site work, prior to works commencement. Team lead will recap risks and controls during the pre-works brief on each day.</p>
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**Part 5: Community Consultation**

<p>What community consultation has been undertaken already?</p>	<p>These investigation works are carried out within the station precinct, and Sydney Trains have been consulted and briefed on the works activity and methodology, timing.</p>
<p>What community consultation is planned to be undertaken?</p>	<p>See above</p>
<p>If drafted already, attach applicable Community Notification as Appendix 3.</p>	


**Part 6: Contact Details**

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

<b>Name:</b>	Kamal Kamalarasa	<b>Position:</b>	Project Manager	<b>Phone:</b>	0421677766
	Greg Zambesi		Field works Team Lead		0422499036
	Greg Bowyer		Project Director		0402060122




**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.

<b>Name:</b>	Kamal Kamalarasa		
<b>Signature:</b>		<b>Date:</b>	27/02/17

## 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:	Michael Lloyd o.b.o Anita Brown	FIL CELONE	Annabelle Tungol Reyes
Date:	8 March 2017	9/3/17	28/02/17
Comments:	ML to provide community contact to Sydney Trains customer service.		<p><i>Supporting letter attached as Appendix 4 if necessary.</i></p> <p>Works to be conducted is within the Sydney Terminal and Central Railway Stations Group SHR; s.170 and DCP.</p> <p>Works stated in this application have been assessed as minor works with low impact on heritage items.</p> <p>Endorsement of an exemption under s.57 (2) for 22 core drill holes at various locations at Eddy Avenue, Haymarket, Sydney Terminal &amp; Central Railway Group-State Heritage Register item no. 01255.</p>
Conditions:			<p><i>Supporting letter attached as Appendix 4 if necessary.</i></p> <p>The following conditions to be implemented:</p> <ol style="list-style-type: none"> <li>1. Implementation of the conditions set out in the S57 (2) exemption letter from OEH.</li> <li>2. Mitigation Measures as per EIS Table 14-25 Mitigation measures – Non-Aboriginal heritage</li> <li>3. Mitigation measures and controls as per GHD CEMP and JSEA</li> <li>4. Work area, only within the specified location in this application (22 core holes)</li> <li>5. OOHW approvals conditions as required.</li> <li>6. Permit and consultation with Sydney Trains</li> </ol>

(Uncontrolled when printed)

<input checked="" 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.

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## Appendix 2: Cover Page

Environmental Management Documentation.

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## Appendix 3: Cover Page

Community Notification.

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## Appendix 4: Cover Page

~~Environmental Representative Supporting Letter.~~





Mr Stuart Hodgson  
Program Sustainability Environment & Planning  
Sydney Metro Delivery Office  
PO Box 588  
North Ryde BC NSW 1670

Our ref: SSI 7400

Dear Mr Hodgson

**Sydney Metro City and Southwest – Chatswood to Sydenham (SSI 7400)  
Low impact works – potential heritage impact consideration**

Thank you for your letters of 8 February 2017, requesting consideration if certain low impact works at Central Station and Hickson Road, Barangaroo are 'construction'. I also note Ms Nicole William's email of 13 February 2017, further detailing the extent of the proposed works.

The Department has reviewed your request, in consultation with the Office of Environment and Heritage (OEH). Following this review, I have determined that the following low impact activities and investigation works are not 'construction' for the purposes of the definition in the Infrastructure Approval for SSI 7400:

***Activities with minimal environmental impact***

Installation of four plastic conduits in a 25 m long trench across Eddy Avenue at the northern end of Central Station, including:

- Ground penetrating radar (non-intrusive scanning) to show utility locations;
- Concrete/road cutting;
- Excavation to up to 3m depth;
- Backfill with a stabilised cement/ sand mix; and
- Restoration to the road surface.

***Investigation works***

Central Station

- Coring into walls of underground tunnels;
- Slit trenching to identify utilities areas within track areas and Sydney Yard; and
- Contamination and geo-tech boreholes within Sydney Yard.


Hickson Road, Barangaroo

- Slit trenching across Hickson Road to identify services.

You are required to implement the mitigation measures set out in your letters of 8 February 2017, Ms William's email of 13 February 2017 and OEH's letter of 2 March 2017. You must also ensure the works are endorsed by the independent Environmental Representative.

If you have any queries, please contact Jonathan Kerr, Post Approvals – Infrastructure at the Department on 02 9274 6337 or by email [jonathan.kerr@planning.nsw.gov.au](mailto:jonathan.kerr@planning.nsw.gov.au)

Yours sincerely

 3-3-17  
Stacy Warren  
**Director**  
**Infrastructure – Post Approvals**  
as delegate of the Secretary.



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File No: EF15/20422  
Job ID: DOC17/116413  
Your Ref:SSI\_7400

Ms Jacqui Mcleod  
Department of Environment & Planning  
GPO Box 39  
SYDNEY NSW 2001

Dear Ms Mcleod

**RE: Sydney Metro, SSI\_7400, consultation with OEH – investigation works at Eddy Avenue and low impact works in heritage areas.**

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I refer to your email date 17 February 2017 requesting comment on proposed investigation works at Eddy Avenue for the Sydney Metro project and on a proposed change to the definition of low impact works to include limited investigation works in heritage areas.

It is noted that the current definition of low impact investigation works excludes works which potentially affect heritage item or areas, which are then classified as construction. These low impact investigation works comprise:

- Ground penetrating radar (non-intrusive scanning) to show utility locations
- Concrete/road cutting
- Excavation by vacuum (sucker truck)
- Assessment and identification of utilities exposed
- Restoration to existing ground condition

Sydney Metro are seeking DP&E determination that the proposed investigation works at Eddy Avenue and at other Sydney Metro sites can continue outside the definition of 'construction' by applying the following mitigation measures to each site:

- Prior archival recording where necessary (E13)
- An unexpected finds procedure
- An on call excavation director / and full time monitoring (GML consultants)
- Induction at each site by a heritage specialist (GML consultants)
- Sydney Trains consultation (for scope within Central Station)

Based on the advice from Sydney Metro that the low impact investigation works involve and would only occur in previously disturbed ground and ground that will later be impacted by the approved project scope, the proposed change in definition is considered acceptable.

In regards to the proposed works at Eddy Avenue, it is noted that they comprise a 25m section electricity connection from Belmore Park substation to Central Station across Eddy Avenue at the Northern end of Central Station.

Helping the community conserve our heritage

Review of boreholes in the area of the trench show that there is no archaeological potential in this area. The proposed mitigation measures for these works are as outlined above. Based on the limited nature of the works and the lack of heritage impact, the proposed investigation works at Eddy Avenue are considered acceptable.

If you have any questions regarding the above advice, please feel free to contact Senior Team Leader, Archaeology Siobhan Lavelle via email at [Siobhan.Lavelle@environment.nsw.gov.au](mailto:Siobhan.Lavelle@environment.nsw.gov.au) or via phone on 9873 8546.

Yours sincerely

A handwritten signature in black ink, appearing to read 'Rajeev Maini', with a horizontal line underneath.

**Rajeev Maini**

Manager Conservation Heritage

Division

Office of Environment and Heritage

**As Delegate of the Heritage Council of NSW**

2 March 2017

Cc: Nicole Williams: [Nicole.Williams@transport.nsw.gov.au](mailto:Nicole.Williams@transport.nsw.gov.au)