

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:	RPS Pty Ltd
Project:	Sydney Metro – Utility investigations
Application Title: (e.g. Smith St trenching works)	Botany Road and Cope Street, Waterloo – Utility locating and survey
Application Number:	MW_41
Application Date:	29 th November 2018
Planning Approval:	Sydney Metro City & Southwest - Chatswood to Sydenham (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 work (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 works do not have the potential to affect heritage items, threatened species populations or endangered ecological communities.

Part 2: Details

Describe the proposed Minor Works:

Including work methodologies, site location(s) and site description(s) (e.g. landscape type, waterways, etc.).

Methodology:

- Traffic control – set up
- Service locate and mark up (via EMI/GPR and water-soluble marking paint or chalk)
- Concrete cut/asphalt cut if required. Two process options:
 - Use a wheel saw mounted on a high flow Bobcat: This process is suitable for trenches up to 200mm wide and 600 mm deep. With the saw operating over this width and grinding the trench with increments as small as 10mm the operator will often feel the change in material that allows the vac truck to investigate; or
 - Concrete cutting and breaking out: The concrete is cut using a concrete saw until the subbase is exposed allowing it to be broken and removed. A jack hammer is used cautiously to break the concrete into smaller sections. Once this breaking of concrete is complete the concrete is removed.
- Prior to Concrete/asphalt cut on Botany Road and Henderson Street. Conduct a subsurface locating by GPR/Electromagnetic wands to confirm the location and depth of disused tram tracks and other utilities. Identify the finding with paint and survey their locations. Consult the findings with Sydney Metro and determine the extent of trench required.
- Removal of surface material.
- Excavate using 1 hydro vacuum excavation truck – (maximum pressure of 2000 PSI as per DBYD recommended pressure) to the following dimensions: Width 200mm, Length boundary to boundary and Depth
- Field verification of existing infrastructure and services
- Mark out exposed service positions measure and catalogue findings
- Backfill to approved specification – with a 6-ton jumping jack pneumatic compactor and vibration Wacker plate will be used to ensure compaction
- Re-instate surface using AC14 hot mix per RMS Specification M209
- Ensure the work site is clean
- Traffic control – pack up
- Soil disposal will take place offsite at an appropriate licensed ~~factory~~ and will be fully contained from site to disposal.

List of plant/equipment:

- Traffic control vehicles (Ute) including non-tonal reversing beepers (i.e. 'quackers')
- Vacuum Excavation Truck
- Survey equipment
- Electromagnetic wands
- Small-scale Ground Penetrating Radar
- Bob saw/Concrete saw
- Compactor/whacker plate
- Jack hammer (concrete saw and jack hammer are contingency only)

Map

See Appendix 1.

(Uncontrolled when printed)

Planned Commencement Date:	9 th December 2018
Local Sensitivities: Describe the presence (if any) of local sensitive environmental areas and community receptors.	Local sensitivities related to surrounding residents and businesses. The works will not impact any trees. Refer to attached ECM (Appendix 1).

Part 3: Environmental Risk Assessment and Management

Prepare an Environmental Risk Assessment (in accordance with the *Sydney Metro Risk Management Standard*) 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.).

- ECM (Appendix 1)
- OOHW (provided to TfNSW separately)
- CEMP (provided to TfNSW separately)
- Sydney Metro Unexpected Heritage Finds Procedure Version 1.4
- OOH Protocol

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?

- Site induction
- Pre-start meeting
- Toolbox talks
- Upon a suspected find assessment steps are:-
 1. SMS with photos of suspected finds to Tim Hill 0420 399 802
 2. Call and decide if attendance is needed

Part 5: Community Consultation

What community consultation has been undertaken already?

Refer to See 4 of OOM works application for this works (RPS Application 44)

What community consultation is planned to be undertaken?

~~Community will be given 7 days notice for these proposed works.~~ ii

*APB
Adam Kontsemanis*

If drafted already, attach applicable Community Notification as Appendix 3.

Part 6: Contact Details

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

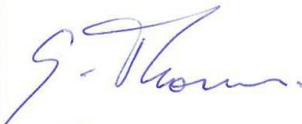
Name:	Graham Elgie	Position:	Project Manager and communications contact	Phone:	0417 762 066
	Gareth Thomas		Environment contact		0414 228 613

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:

Gareth Thomas



Signature:		Date:	29/11/2018
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Determination Page

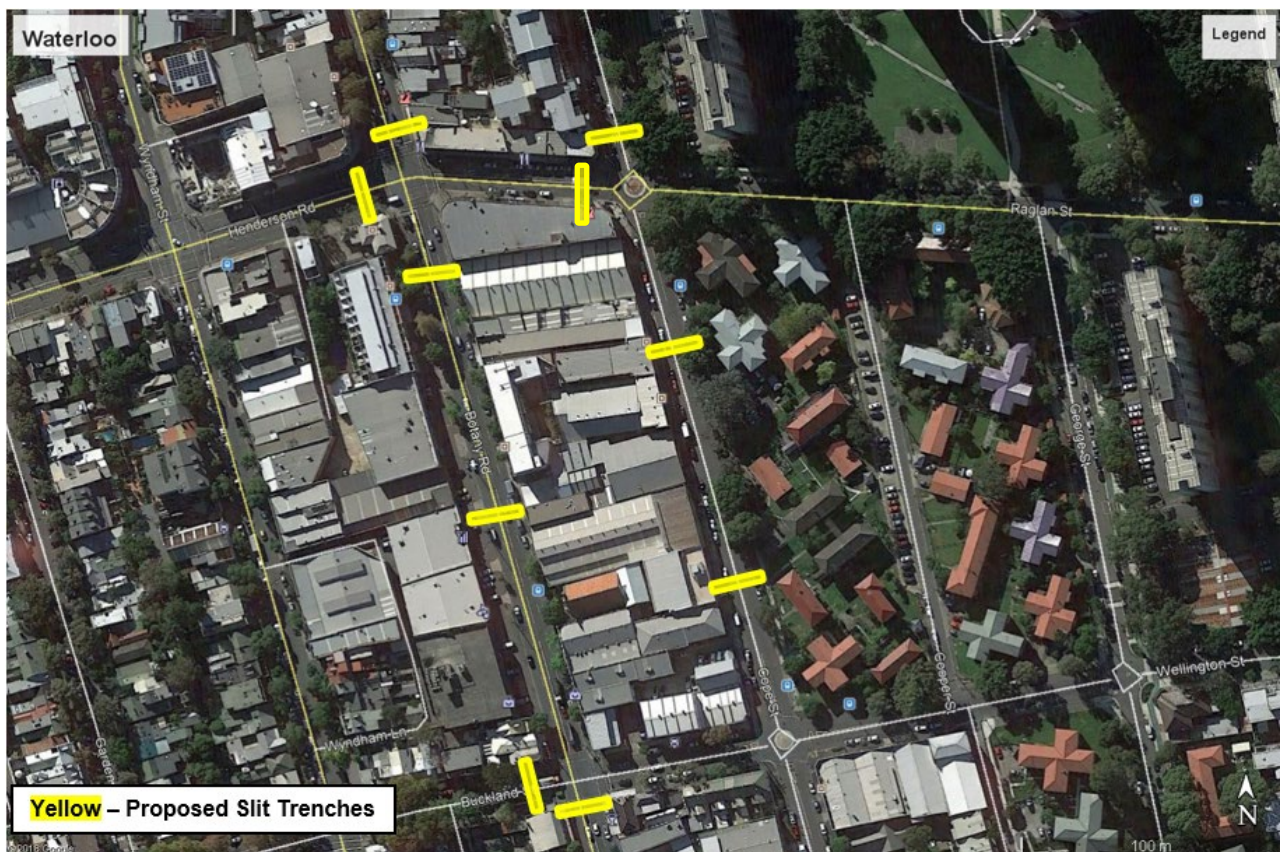
(TfNSW/Environmental Representative Use Only)

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:	Anne Pange	Fil Corone	
Date:	5/12/18	7/12/18	
Comments:			Supporting letter attached as Appendix 4 if necessary.
Conditions:	Refer to out of hours protocol conditions		Supporting letter attached as Appendix 4 if necessary.
<input checked="" type="checkbox"/>	Approved (by TfNSW)		
<input type="checkbox"/>	Endorsed (by Environmental Representative)		
<input type="checkbox"/>	Rejected		

Appendix 1: Works location map (ECM)



Note: For the duration of the works silt control socks are to be used at storm water inlets downhill from the works

Botany Road and Cope Street Silt Sock Locations

