

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)	Frank Channon Walk, Chatswood 2067 – Utility investigations including slit trenching
Application Number:	3
Application Date:	03/02/2017 13 Resubmission 02/02/2017 RA
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 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 proposal would not affect heritage items, threatened species, populations or ecological communities.

Part 2: Details

<p>Describe the proposed Minor Works: Including work methodologies, site location(s) and site description(s) (e.g. landscape type, waterways, etc.).</p>	<p>Methodology</p> <p><u>Subsurface detection / survey</u></p> <ul style="list-style-type: none"> • Commencement of utility location survey with 2 teams (2 people in each team) • Survey of all located assets via: <ul style="list-style-type: none"> ○ Electromagnetic Detection Tracing - 'electromatic wand' to allow for detection of all power and conducting lines, such as copper communication cables and cast iron water and gas mains ○ Small-scale Ground Penetrating Radar - 'In the field' resolution of nonconducting services such as PVC ducting, optic fibre, asbestos pipes ○ Large-Scale 3D Ground Penetrating Radar —to allow large scale blanket coverage of area. • Compilation and processing of all required data. • Confirmation of status of all DBYD located information. • Production of initial service plans based on located assets in CAD and other formats. <p><u>Exposure detection</u></p> <ul style="list-style-type: none"> • Confirmation of all locations for slit trenching. • Review and finalisation of all approvals and work plans related to slit trenching. • Final program submitted and implemented • Commencement of slit trenching works as follows: <ul style="list-style-type: none"> ○ 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: <ul style="list-style-type: none"> - 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. ○ 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 (1 metre width, 1.5m depth and 1.5m length) ○ Field verification of existing infrastructure and services ○ Mark out exposed service positions measure and catalogue findings ○ Backfill to approved specification —with a 6 tonne jumping jack pneumatic compactor and vibration wacker plate will be used to ensure compaction ○ Re-instate surface using premium cold mix product (EZ Street or similar) ○ Ensure the work site is clean ○ Traffic control — pack up ○ Soil disposal will take place offsite at an appropriate licences facility and will be fully contained from site to disposal. • RPS team leader for utility surveys seconded to Vac Group to work with Works Manager to confirm and re-confirm or relocate utilities for slit trenching as well as be on site to confirm, attribute and assist in survey of exposed assets. • RPS Surveyor to attend site as required to survey exposed assets. <p>Site location and description</p> <ul style="list-style-type: none"> • Site survey along Frank Channon Walk, Chatswood (between Albert Avenue and Nelson Street Chatswood) • Slit trenches along Frank Channon Walk near Gordon Avenue and Ellis Street, Chatswood. • Frank Channon Walk is generally bounded by the following: residential housing to the north; rail corridor to the east, medium density housing and recreational facilities to the west; residential housing to the south and commercial, active recreation retirement housing and day-care services to the east.
<p>Planned Commencement Date:</p>	<p>15/02/2017 for approximately 2 days, weather permitting.</p>

Part 6: Contact Details					
Nominate contractor's project manager, environmental and communications contact(s).					
Name:	Stanley Tan	Position:	Project Manager and communications contact	Phone:	0400 839 369
	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:	13/02/2017

(Uncontrolled when printed)

<p>Local Sensitivities: Describe the presence (if any) of local sensitive environmental areas and community receptors.</p>	<p>Survey of Frank Channon walk via the use of an 'electrometric wand' will occur general between Albert Avenue and Nelson Street.</p> <p>The proposed slit trenches along Frank Channon Walk (between Gordon Avenue and Ellis Street), Chatswood are surrounded by the following sensitive receptors:</p> <ul style="list-style-type: none"> • Scout Hall at 2 Ellis Street, Chatswood • Residential apartment blocks at 4-6 Ellis Street Chatswood • Chatswood Croquet Club at 699 A, Pacific Highway Chatswood • Chatswood Bowling and Tennis Club at Hammond Lane • Residential apartment blocks at 9-11 Nelson Street Chatswood <p>Refer to attached environmental control map Appendix 1.</p>
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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.

<p>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.).</p>	<p>Refer to attached environmental control map Appendix 1.</p> <p>Subject to approval, mitigation measures as outlined in the CEMP (for the Utility Investigation Works) are to be complied with.</p>
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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>	<ul style="list-style-type: none"> • Site induction • Pre-start meeting • Toolbox talks • Provision of community information cards
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Part 5: Community Consultation

<p>What community consultation has been undertaken already?</p>	<p>A community works notification was issued on the 25 January 2017. The notification detailed service location work for Frank Channon Walk on Thursday 2 February 2017 between 7am-6pm. See Appendix 2. <i>Carried out on Friday 3rd.</i></p> <p>Due to scheduling, this service location work was not undertaken. <i>Community notification delivered on the 8th Feb for work commencing 15 Feb. for trenching on</i></p>
<p>What community consultation is planned to be undertaken?</p>	<p>Community will be given 7 days' notice for these proposed works. See Appendix 3. <i>FCW</i></p>

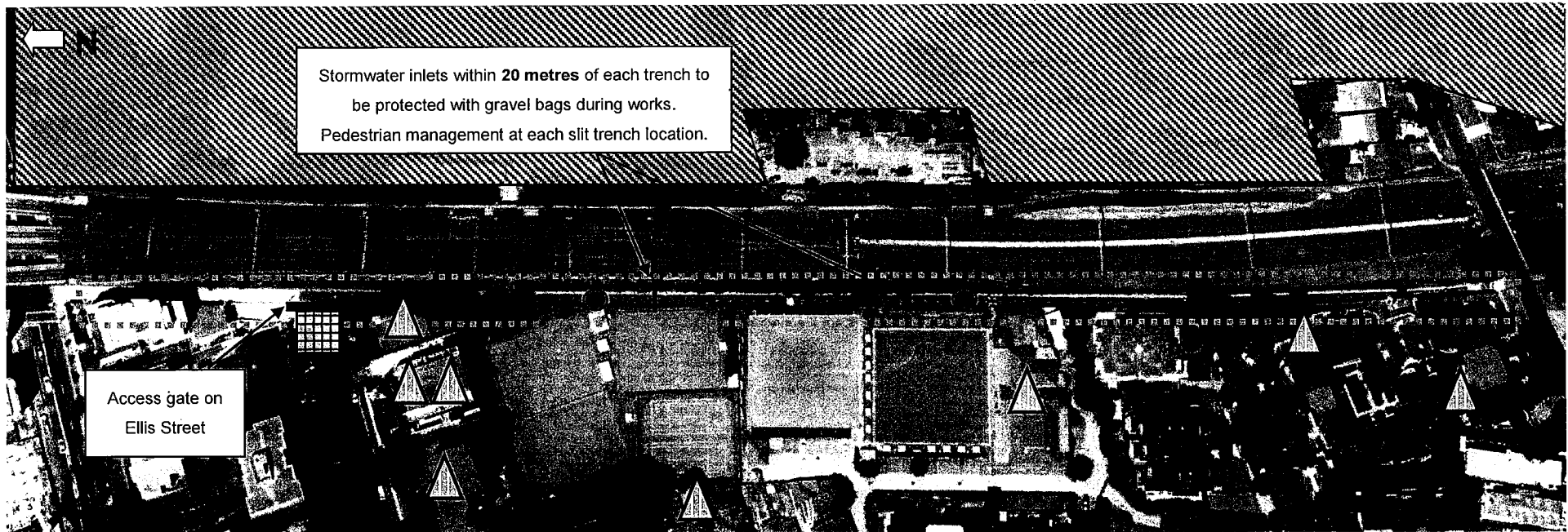
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Determination Page







(TfNSW/Environmental Representative Use Only)

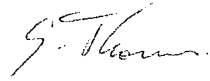
12. Endorsement/Approval			
These signatures represent formal endorsement/approval for the proposed Minor Works to commence in accordance with this application and the applicable planning approval requirements (subject to any determination from the applicable planning authority as may be required by 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:	ROBIN BAIRD	FIL COLONIS	
Date:	14/2/17	14/2/17.	
Comments:			Supporting letter attached as Appendix 4 if necessary.
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: Environmental Control Map



General Construction Notes	
▪	This control plan is to be read together with the relevant project environmental documentation i.e. CEMP.
▪	Vehicles to use designated access points outlined in the Traffic Control Plans (TCPs).
▪	Spill kits to be stored at designated points within the site that are readily accessible to the construction team.
▪	Ensure measures/materials are ready to mitigate for unforeseen erosion during heavy rainfall

Legend	
	Slit trenches
	Sensitive receivers (Scout Hall, Residential, Bowling and Croquet Clubs)
	Site boundary and survey location area
	Local heritage Conservation Area (LEP)
	VacTruck access location
	Spill kits

Prepared by:	Gareth Thomas	Reviewed & approved by:	
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STOP WORK REQUIRMENTS	
Aspect	Requirements
Unexpected heritage find	Stop all work in vicinity immediately. Contact Project Environmental Manager. Project Environmental Manager to contact TfNSW Environmental Manager.
Water discharge	Do not proceed without prior approval from Environmental Manager. The TfNSW form <i>Approval to discharge or reuse water 9TP-FT-160</i> is to be completed for all off site dewatering.
Contamination / Hazardous Materials – Suspected contamination material discovered	Stop all work in vicinity immediately. Contact Project Environmental Manager. Contact TfNSW Environmental Manager. Contact the Project ER.
Environmental Incident – Hydrocarbon / Chemical Spill, Contaminated Material Release or Turbid Run-off to Surface Water	Contact the Project Environmental Manager immediately and without delay. Follow incident response guidelines in the CEMP.

CONTACT INFORMATION		
Project Manager	Stanley Tan	0400 839 369
Environmental Manager	Gareth Thomas	0414 228 613
WHS Manager	Stanley Tan	0400 839 369
TfNSW Response Line		1800 775 465
Transport Project Line		1800 684 490
EPA Environmental Line		131 555
Fire and Rescue		000
City of Sydney Council		02 9265 9333
WorkCover		13 10 50
Ministry of Health		(02) 9391 9000
WIRES		1300 094 737

HOURS OF WORK
Standards hours only: 7am to 6pm weekdays and 8am to 1pm Saturdays.

Appendix 2: Community notification - 25 January 2017 and

② 8 February 2017

Works Notification

25 January 2017

Sydney Metro is Australia's largest public transport project. It will transform Sydney, delivering more trains and faster services for customers across the network.

Sydney Metro City & Southwest will deliver 30 kilometres of metro rail between Chatswood and Bankstown, including a new crossing beneath Sydney Harbour, new railway stations in the lower North Shore and CBD, and the upgrade and conversion of the current line between Sydenham and Bankstown.

Service location works - Frank Channon Walk

Sydney Metro is planning service location work on **Thursday 2 February 2017 between 7am-6pm.**

Work will involve inspecting the existing utility pits, surveying the cable between pits and marking their location on the pavement. The works are not expected to generate any noise.

If work is required outside of these hours local residents will be notified in advance.

Access to Frank Channon Walk will be maintained at all times.

Community information

To register for email updates, obtain more information or to make a complaint, please contact the project team

Phone: 1800 171 386
Email: sydneymetro@transport.nsw.gov.au
Website: sydneymetro.info



If you require the services of an interpreter, please contact the **Translating and Interpreting Service on 131 450** and ask them to call **Sydney Metro on 1800 171 386**. The interpreter will then assist you with translation.



Transport for NSW



Sydney Metro is Australia's largest public transport project. It will transform Sydney, delivering more trains and faster services for customers across the network.

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The Chatswood to Sydenham section of the project received planning approval in early January, 2017 with construction planned to start in the coming months.

Service Location Works - Frank Channon Walk, Chatswood

Service location works will be undertaken along Frank Channon Walk from **Wednesday 15 February 2017**, for a period of up to five days, weather and site conditions permitting (see map overleaf).

These works will involve:

- Excavating 2 narrow trenches along Frank Channon Walk Using a vacuum excavation truck to expose underground services such as water and electricity
- Reinstating any affected areas.

Vehicle access into Frank Channon Walk via Ellis Street, Chatswood

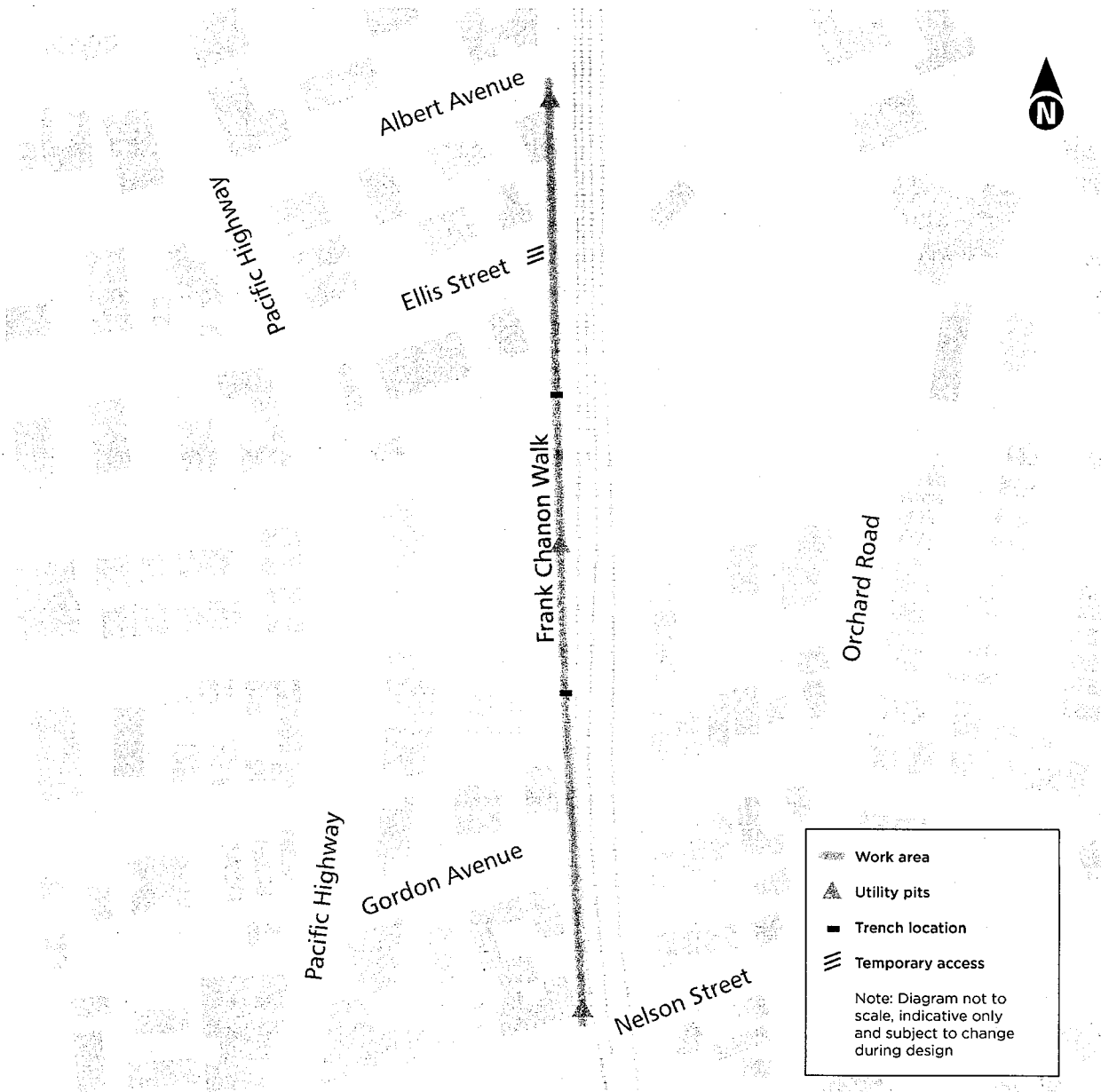
What you can expect

- Due to the nature of the work, some of these activities will be noisy. Equipment will be turned off when not in use and non-tonal reversing beepers will be used.
- During these works access along Frank Channon Walk will remain open however temporary pedestrian changes will be required. Directional signage will be in place for the safety of workers and the community.
- Access to properties and the footpath will be maintained at all times.

Work hours will be **Monday to Friday 7am to 6pm, and Saturday 8am to 1pm.**

Thank you for your cooperation during these essential works.

Service Location Works Frank Channon Walk



Contact us

To register for email updates,
obtain more information

or

to make a complaint,
please contact the project team

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Email: sydneymetro@transport.nsw.gov.au

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Transport
for NSW

