

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: Axicom's Contractor – Alpha Design Consultants, Sub-contractor –Martens Consulting Engineers

Project: Marrickville East relocation of communications tower

Application Title: Geotechnical Assessment Report - for proposed relocation of communications tower
(e.g. Smith St trenching works) *investigation works*



Application Number: 1

Application Date: ~~11.02.18~~ 20/2/18

Planning Approval: *Chatswood to Sydenham EIS*

Minor Works Categories:

- Highlight as applicable.
- If Items 4, 8 or 11 are applicable, this form must be endorsed by an Environmental Representative.

1. Survey, survey facilitation and investigations works (including road and building dilapidation survey works, drilling and excavation).
2. Treatment of contaminated sites.
3. Establishment of ancillary facilities (excluding demolition), including construction of ancillary facility access roads and providing facility utilities.
4. Operation of ancillary facilities that have minimal impact on the environment and community.
5. Minor clearing and relocation of vegetation (including native).
6. Installation of mitigation measures, including erosion and sediment controls, temporary exclusion fencing for sensitive areas and acoustic treatments.
7. Property acquisition adjustment works, including installation of property fencing and utility relocation and adjustments to properties.
8. Utility relocation and connections.
9. Maintenance of existing buildings and structures.
10. 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.
11. 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?

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'.

No

(Uncontrolled when printed)

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>Site inspection:</p> <ol style="list-style-type: none"> 1. DBYD search and assess if underground services locating is required. 2. Mobilisation to site and provision of 4WD truck mounted hydraulic rig, support vehicle and supervising geotechnical engineer. 3. Minimum 1 borehole to 10m in the location of the proposed site (as close as practical to the actual installation location) or prior refusal on fill or competent bedrock. If refusal is encountered on rock prior to 8m, then it is recommended that a 2nd borehole will be conducted and rock coring progressed to 10m (works undertaken at additional rates as provided on page 3). 4. Associated penetration testing (SPT at 1.5m intervals in borehole and/or DCP adjacent to borehole location). 5. Collection of appropriate soil samples for laboratory testing for future reference. 6. Conduct soil resistivity testing using the Wenner 4 Pin Method at 0.5, 1, 2, 4 and 6m spacing's.
<p>Planned Commencement Date:</p>	<p>20.02.18 5/3/18</p>
<p>Local Sensitivities: Describe the presence (if any) of local sensitive environmental areas and community receptors</p>	<p>Sydenham Pit – State Heritage Item</p>

AC


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. 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>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>	<ul style="list-style-type: none"> - Plans attached for final works. - Geotechnical investigation proposed assessment report. - Environmental Risk Assessment (Appendix 1) - ECM

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>Wash boring water (drilling aid) to be removed from site to avoid run off into Sydenham Pit. Sediment filters to be erected around temporary fencing. Additional controls as required as per attached environmental aspects register. <i>TFNSW Comms to undertake Day 1 toolbox talk (incl. environmental requirements).</i></p>

Part 5: Community Consultation	
<p>What community consultation has been undertaken already?</p>	<p>N/A</p>

<p>What community consultation is planned to be undertaken?</p>	<p>Community notification undertaken. Sign on site to allow a 7 day notification response period. <i>to be issued 26/2/18 as part of SST monthly notification. TfNSW Comms to also door-knock.</i></p>
<p>If drafted already, attach applicable Community Notification as Appendix 3.</p>	

Part 6: Contact Details			
<p>Nominate contractor's project manager, environmental and communications contact(s).</p>			
<p>Name:</p>	<p>Mr Simon Lord</p>	<p>Position:</p> <p>Director – Alpha Designs</p>	<p>Phone:</p> <p>02 9707 1171 0405 780 157</p>



Part 7: Signature	
<p>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.</p>	
<p>Name:</p>	<p>Mr Andrew Martin - Axicom</p>
<p>Signature:</p> 	<p>Date:</p> <p>14.02.18</p>

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:	Helenis-O'Leary		FIL CERONE
Date:	22/2/2018		26/2/18
Comments:	NIL		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
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Appendix 1: Cover Page

Environmental Risk Assessment and Environmental Control Map.

ENVIRONMENT ASPECTS REGISTER

#	Environment Category	Activity	Aspect	Impact	RR	Risk Control
1	Airborne	Site construction or maintenance	Asbestos on site	Health surveillance Health treatment,	L3 C2 = M6	Treated, removed, disposal, identification, analysis as per: WHS Regulation 2011 Chapter 8 Approved Code of Practice 2011 – Manage/ Control Asbestos in the Workplace and Approved Code of Practice 2011 – Safely Remove Asbestos in the Workplace.
2	Fauna	Site construction or maintenance	Protected bird species	Elimination of protected fauna	L2 C2 = L4	SWMS to indicate that known protected fauna species are in or around the site, Site induction
3	Fauna	Site construction or maintenance	Disturbance/ relocation of small bird habitat	Protected fauna moved to safer location	L2 C2 = L4	SWMS to indicate that known protected fauna species are in or around the site, Site induction
4	Fauna	Site construction or maintenance	Protected fish species	Fish colonies disturbed or relocated	L2 C2 = L4	SWMS to indicate that known protected fauna species are on or around the site, Site induction
5	Fauna	Site construction or maintenance	Protected animal species	Small animals disturbed e.g. koalas, certain types of possums, wallaby, bandicoot, - this could include site resident snakes	L2 C2 = L4	SWMS to indicate that known protected fauna species are in or around the site, Site induction
6	Fauna	Site construction or maintenance	Disturbance/ relocation of small animal species	Small animal species moved to a different location,	L2 C2 = L4	SWMS to indicate that known protected fauna species are in or around the site, Site induction
7	Fauna	Site construction or maintenance	Ecological community threatened	Fauna loose feeding/ home location.	L2 C2 = L4	SWMS to indicate that the fauna community could be ecologically threatened Site induction Rehabilitation work required to assist recovery of the threatened ecological community.
8	Flora	Site construction or maintenance	Disturbance/ destruction of protected flora	Protected flora destroyed	L2 C2 = L4	SWMS to indicate that known protected flora species are in or around the site, Site induction

ENVIRONMENT ASPECTS REGISTER

#	Environment Category	Activity	Aspect	Impact	RR	Risk Control
9	Flora	Site access and/ or construction activities	Trees to be removed or trimmed for site access or for site configuration;	heritage listed trees destroyed or damaged, trees removed to make driveway, branches lopped	L2 C2 = L4	SWMS to indicate what heritage listed trees are on or around the site, Site induction,
10	Marine and Aquatic Life	Site construction or maintenance	Marine environment disturbed	Destruction of vegetation. Contamination of water courses. Destruction of Native habitat. Aquatic life injury.	L2 C2 = L4	Environmental Risk Assessment to be undertaken prior to activity.
11	Heritage	alteration or demolition of building,	Heritage listed buildings	Heritage building and aesthetic could be lost.	L2 C2 = L4	Heritage listed building Standards & Legislation
12	Noise emission	Plant operation including generator	Noise emissions during run up and operation	Noise pollution when operating. Nuisance to local residents or staff.	L2 C2 = L4	All plant or similar noise equipment must meet the Legislated Noise Standards (<85dBA), Ensure run ups and operation during normal working hours, Installation of noise baffles to known excessive noise areas, Proactive maintenance of plant, Replace old noisy equipment with new quieter equipment.
13	Noxious Weed Control & distribution	Vehicle travel between different sites. Growth on or near the Axicom Site	Possibility of transferring noxious material. Possible spread if not controlled	Contamination of the environment with species <u>Noxious to the site area.</u>	L2 C2 = L4	Ensure vehicle and equipment is inspected for seeds or other material before leaving site for a new area. Ensure that the noxious are reported to Axicom who will issue the work order to a competent certified person to eliminate
14	Opportunities for Improvement	Disposal of Recyclable waste	Need to recycle commingle waste	Excess to landfill, Recycle resource use	N/A	Approved bins and collection system in place.
15	Opportunities for Improvement	Electricity usage	Lights & Computers left on all the time	Resource waste	L2 C2 = L4	Appoint building wardens to turn off lights etc. each night. Encourage and educate staff and others to turn electrical equipment off when finished.
16	Opportunities for Improvement	Event Management	Bag selection e.g. plastic, pvc, vinyl, etc	Impact on landfill, fauna & waterways	L1 C1 = L1	By promoting the use of unbleached paper, calico or cotton as a material for conference satchels, over the PVC and other vinyl products.

ENVIRONMENT ASPECTS REGISTER

#	Environment Category	Activity	Aspect	Impact	RR	Risk Control
17	Resource Usage	Computers	Electricity usage	Resource depletion & greenhouse gas emissions	L1 C2 = L2	Computers on sleep mode or switched off when not in use. New computers must be energy saving rated.
18	Resource Usage	Paper towel use	Resource use	Resource depletion and increase to landfill	L1 C1 = L2	Install paper free hand drying machines.
19	Resource Usage	Photocopying	Paper usage.	Depletion of coal reserves. Generation of greenhouse gases	L2 C2 = L4	Use of double sided photocopying where possible.
20	Resource Usage	Use of paper	Need to recycle paper waste	Excess to landfill Resource use	L1 C1 = L2	Ensure appropriate containers are provided and collection is done for recycling.
21	Resource Usage	Use of toner for photocopier and printer	Toner usage	Excess to landfill Resource use Contamination of the environment Dust released to atmosphere	L2 C2 = L4	Toner cartridges recycled to filling Company
22	Resource usage	Utilities	Heating and cooling.	Depletion of gas reserves and coal reserves.	L2 C2 = L4	Ensure all portable heating &/or cooling appliances are energy efficiency rated three star or higher. All heating / cooling building systems are thermostat controlled. Building systems are maintained and inspected on a regular schedule.
23	Resource Usage	Packing material usage, including polystyrene.	Waste generation	Excess to landfill. Potential water way pollution.	L2 C2 = L4	Recycle through approved and licensed external contractors. Waste disposal procedures. Ordering system to ensure maximum items delivered for minimum packaging material.
24	Soil	Soil sampling/ research	Removals of soil samples	Erosion from exposure of soil face.	L1 C1 = L2	Samples to be collected in a manner that minimises impact to the area, Vegetation to be removed and replaced after collection of samples. Train personnel in equipment operation.

ENVIRONMENT ASPECTS REGISTER

#	Environment Category	Activity	Aspect	Impact	RR	Risk Control
25	Trade Waste	Dish Washer	Disposal to sewerage of detergent.	Trade waste	L1 C1 = L2	Use of environmentally friendly (low P) detergents, only run dishwasher when full
26	Trade Waste	Site practices	Release or spill of chemicals, oils, petroleum products	Soil and water contamination.	L2 C2 = L4	All substances to be drained (if practicable) before commencement of repair, maintenance, alteration or service, All wastes to be collected by approved contractor, Training of all personnel (including contractors) in correct containment and spill prevention.
27	Vegetation	Vegetation sampling	Sampling from trees and vegetation. Use of paints to mark trees.	Damage to trees and vegetation. Reduced aesthetics due to paint marking. Contamination of forest or vegetation.	L1 C1 = L2	Sampling to be authorised, if required, prior to samples being taken, Permits may be required Employees to be supervised and trained in correct techniques that limit the damage to the area, Records to be kept of each sample,
28	Waste Disposal	Batteries	Disposal of potentially hazardous products eg phone and camera batteries.	Soil and surface and ground water Contamination	L1 C1 = L2	Battery disposal depot available via People & Communications Department
29	Waste Disposal	Regeneration Maintenance	Waste generation	Depletion of Natural vegetation and habitats (removal of rocks, local vegetation etc). Contamination of compost areas. Excess to landfill. Transfer of pests and bacteria to new site.	L2 C2 = L4	Ensure any rock or plant removed does not harm local eco system. All vegetation removed for compost is free of Contaminates (hard rubbish). Vegetative matter can be composted or recycled if applicable.
30	Waste Disposal	Waste fuel & machinery	Resource use.	Contamination of soil and storm water system through leakage. Plant excess to landfill.	L2 C2 = L4	All waste fuels to be stored in applicable containers. All containers labelled as per appropriate Regulations. Fuel to be stored in bunded area while awaiting collection. Collection/disposal of fuels by approved, licensed contractor. Plant and equipment to be held in quarantine

ENVIRONMENT ASPECTS REGISTER

#	Environment Category	Activity	Aspect	Impact	RR	Risk Control
31	Watercourses, Soil, & vegetation	Refueling equipment	Spill of Petroleum products into watercourse, soil or vegetation	Pollution of water courses Contamination of soil, and destruction of vegetation.	L2 C2 = L4	Operators trained in spill control system, Fuel Spill controls and bund walls must be on site, All spills must be reported/ investigated. Operators trained in waste minimisation and correct refuelling techniques.
32	Watercourses, Soil, & vegetation	Underground storage of fuels	Leakage of contaminates.	Contamination of surrounding soil. Leachate to storm and ground water systems.	L2 C2 = L4	Yearly inspection of underground storage facilities. Follow EPA Australia guidelines.
33	Watercourses, Soil, & vegetation	Removing graffiti	Cleaning outside surfaces.	Contamination of storm water systems, soil and vegetation	L3 C2 = M6	Ensure containment is set up for any possible spill collection. Spill kits to be available. Minimum use of hazardous substances. Do not spray chemicals on windy days. Written procedures and the training of staff in procedure application
34	Watercourses, Soil, & vegetation	Cleaning of spray equipment, Water run-off from cleaning tank/ equipment, Decanting from pesticide containers	Pesticides used to control weed growth;	Soil/ waterway's pollution	L2 C2 = L4	Licensed pesticides operators only to be employed. Weather conditions must be annotated on the SWMS (e.g. wind velocity, direction, etc), Site induction, All spills/ overspray must be reported/ investigated.
35	Watercourses, Soil, & vegetation	Transport of chemicals/ pesticides, Chemical storage and use fuel spill, pesticide spill or large overspray issue,	Storage of chemicals on site Chemical use and storage run-off Pollution of a water course	Excess chemical run off into water courses or storm water system. Chemical spillage into storm water system. Fire due to incorrect storage of chemicals. Overspray on to environmental sensitive areas.	L2 C2 = L4	Chemical Register must be complete and on site, SWMS to indicate what chemicals, quantity and where stored on site, Site induction Chemicals to be stored in bunded containment area. Chemicals held in storage are to be segregated and labeled. Ensure when applying chemicals, overspray or wind drift does not occur. Ensure when mixing chemicals, that spillage is contained and that excess chemicals are not allowed to be disposed of down storm water drains.
36	Watercourses, Soil, & vegetation	Site Cleaning equipment	Discharge of equipment wash off (chemical and solid residue) to water courses, soil or vegetation. Spillage of concentrated detergents to water courses, soil or vegetation.	Pollution of storm water system and increase in suspended solids, oils, chemicals and petroleum products. Pollution of water courses. Destruction of water eco system. Contamination of soil. Destruction of ground cover and vegetation.	L2 C2 = L4	Always clean equipment in allocated wash bays, Ensure drain system fitted with interceptor device, Use of non-toxic, biodegradable chemical wash liquid recommended. Operators trained in spill control system. Operators trained in waste minimisation and correct cleaning techniques.



Legend

- Proposed Axicom Site
- Heritage curtilage

SCALE 1:1,000
0 0.015 0.03 mi
0 0.02 0.04 km



February 22, 2018



DRAFT

SYDNEY METRO CITY AND SOUTHWEST

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