

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:	METRON T2M
Project:	Southwest Metro Design Services (SMDS)
Application Title: (e.g. Smith St trenching works)	General site-wide minor works
Application Number:	SMDS-PCMW-001
Application Date:	Rev 00: 24 July 2019 Rev 01: 01 August 2019 Rev 02: 05 August 2019 Rev 03: 07 August (approved) Rev 04: 16 August 2019 Rev 05: 22 August 2019 Rev 06: 21 October 2019 Rev 07: 20 November 2019
Planning Approval:	Sydney Metro City and Southwest – Sydenham to Bankstown – Environmental Impact Statement (EIS) Sydney Metro City and Southwest – Sydenham to Bankstown – Submissions and Preferred Infrastructure Report (SPIR) Sydney Metro City and Southwest Infrastructure Approval SSI-8256
Minor Works Categories:	<ol style="list-style-type: none"> 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.
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. 	

	<p>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.</p>
<p>Planning Authority Determination: Will the proposed works affect or have the potential to affect heritage items, threatened species, populations or endangered ecological communities?</p>	<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>No – it is anticipated that there will be no impacts associated with the works that will affect heritage items, areas of known or expected archaeological potential, threatened species, populations or threatened ecological communities. In addition, Metron T2M will implement the Sydney Metro Unexpected Finds Procedure V2.0 throughout the investigation works.</p>

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><u>Site Description Overview</u></p> <p>This overview is based on information from the Environmental Impact Statement (EIS) and Submissions and Preferred Infrastructure Report (SPIR).</p> <p>Survey works are to occur within and surrounding the T3 Bankstown Line. The T3 Bankstown Line is comprised of stations, overbridges, overhead wiring structures, track, services and ballast, extending from Sydenham Station to Bankstown Station.</p> <p>The T3 line runs adjacent to a number of land zoning types between Sydenham Station and Bankstown Station including industrial, business and community, infrastructure, residential and recreational.</p> <p>Roads cross the T3 line in a number of places, both by overbridges and underpasses. A number of footbridges also cross the T3 line along the length of its alignment. The T3 Line crosses the Cooks River in one location between Sydenham and Bankstown. Other local waterways such as channels, culverts and stormwater systems are present along the alignment.</p> <p>The majority of vegetation in the survey area comprises exotic or planted native species on highly modified landforms. A number of threatened ecological communities, threatened plant species and habitat trees are within the rail corridor and project area. Refer to Appendix 1.</p> <p><u>Description of Works</u></p> <p>Survey and site inspection works are critical to the design development phase and are required early on to inform the design. Without this information, detailed design cannot proceed effectively.</p> <p>The proposed survey works are outlined below. Survey will happen along the entire length of the T3 Bankstown Line, as shown in Appendix 1.</p> <p><u>Non-invasive survey and site inspection</u></p> <p>Survey and site inspection activities (including topographic survey, photography / videography, visual inspections, track alignment / condition surveys and measurements) will be undertaken throughout the length of the T3 Bankstown Line rail corridor between Sydenham Station and Marion Street bridge (Bankstown Station) (Sydney Metro chainage 7.07-19.25), both within the corridor and outside of the corridor; up to 100m from the corridor boundary. No physical works (e.g. clearance of vegetation) are required to undertake the survey works.</p> <p>A site ute will be used to travel between survey sites. Surveyors will proceed on foot with survey equipment. Personal torches may be required if survey works occur outside of daylight hours.</p> <p><u>Working Hours</u></p> <p>The non-invasive survey and site inspection schedule has not be defined. Works will be carried out at any time from the date of approval of this application subject to meeting the community consultation requirements in Part 5.</p> <p>Work outside of standard working hours would be managed under an Out of Hours Works Approval and in accordance with the Sydney Metro City & Southwest Out of Hours Work Protocol</p>
<p>Planned Commencement Date:</p>	<p>The survey works are targeted to commence from Monday 19 August 2019.</p>

<p>Local Sensitivities: Describe the presence (if any) of local sensitive environmental areas and community receptors</p>	<p>T3 Line between Sydenham Station and Bankstown Station</p> <ul style="list-style-type: none"> • There are a number of residential properties located within close proximity to the corridor as identified in Appendix 1. Noise and air quality impacts from survey works are expected to be negligible. • There is a potential risk of contamination within the investigation area, with potential contamination sources being historical rail activities, and commercial and residential land use in surrounding areas. Potential contaminants include: <ul style="list-style-type: none"> ○ Asbestos ○ Hydrocarbons ○ Heavy metals ○ Solvents ○ Herbicides. <p>Investigative works are restricted to non-invasive methodologies which would preclude a risk of mobilising contamination that is present in the rail corridor. Contractors will follow good working practices and implement an unexpected finds procedure (Appendix 2) to mitigate the risk of encountering significant contamination.</p> <ul style="list-style-type: none"> • No invasive survey works will occur within designated heritage areas (Appendix 1) precluding the potential for an impact. Works will be undertaken in accordance with the Sydney Metro City and Southwest Unexpected Finds Procedure V2.0 for heritage. • A number of areas of threatened ecological communities and threatened plant species (<i>Acacia pubescens</i>) have been identified along the rail corridor. These areas are shown in Appendix 1. No invasive works will occur within these areas and the survey work will not require the removal or trimming of any vegetation along the corridor, precluding an impact on biodiversity. • Survey works may occur in the vicinity of local stormwater systems and the Cooks River. There is no erosion and sedimentation risk associated with the proposed survey work. • No roadways or footpaths will be blocked as part of the works.
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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.

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.).

Maps showing the local sensitivities discussed in Part 2 will be provided to the survey teams to ensure impacts are avoided. The maps are provided in Appendix 1.

The mitigation measures developed as part of the environmental risk assessment (provided in Appendix 1) will be provided to survey teams as part of the pre-survey induction.

The unexpected contamination finds procedure is provided in Appendix 2. Works will also be undertaken in accordance with the Sydney Metro City and Southwest Unexpected Finds Procedure V2.0 for heritage.

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?

A site induction will be provided to all personnel working on the project site. The induction will include relevant environmental aspects and risks associated with works on the project site.

Part 5: Community Consultation

What community consultation has been undertaken already?	The Sydney Metro Sydenham to Bankstown monthly notifications for December 2019 includes reference to all of the activities proposed (included in Appendix 3).
What community consultation is planned to be undertaken?	<p>All future works will be included within subsequent monthly notifications and additional targeted notifications, as required by the Sydney Metro OCCS. In accordance with the Sydney Metro OCCS, 7 days notification will be given to the community prior to works starting.</p> <p>Both Canterbury Bankstown Council and Inner West Council will be notified of any works taking place outside of the rail corridor.</p>
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:	Luke Palmer	Position:	Project Manager	Phone:	██████████
	Jonny Steele		Environmental Manager		██████████
	Sean Martin		Communications Manager		██████████

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:	Jonny Steele		
Signature:		Date:	20/11/2019

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:	May Li Toong	FIL CERONE	
Date:	27/11/19	27/11/19	
Comments:			Supporting letter attached as Appendix 4 if necessary.
Conditions:	Sydney Metro community infoline cards must be carried by surveyors during the works.		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 Risk Assessment and Environmental Sensitivities Maps.

Environmental Risk Assessment

The Risk Assessment has been undertaken in accordance with the requirements of the Sydney Metro Risk Management Standard.

Aspect	Potential environmental impact	Initial risk rating			Control measures	Residual risk rating		
		Consequence	Likelihood	Risk		Consequence	Likelihood	Risk
Air quality and noise emissions	Noise and air quality impacts on nearby sensitive receivers.	6	5	Low	<ul style="list-style-type: none"> Site equipment is to be turned off when not in use Stockpiles are to be covered during windy weather Visual observation of dust emissions will trigger dust suppression mitigation strategies, including wetting of the excavation area Induction and pre-start briefing to include noise mitigation and "good neighbour" approach Follow the appropriate approval process and submit OOHW applications for Environmental Representative approval. Mitigation measures to be implemented in accordance with the Sydney Metro City & Southwest Construction Noise and Vibration Strategy (CNVS), including appropriate notification. 	6	6	Low

Aspect	Potential environmental impact	Initial risk rating			Control measures	Residual risk rating		
		Consequence	Likelihood	Risk		Consequence	Likelihood	Risk
Mobilisation of contamination	Local contamination and health risk to surveyors	5	4	Low	<ul style="list-style-type: none"> Surveyors will be vigilant for hazardous materials that may be uncovered during investigations Surveyors will follow their organisations' unexpected finds procedure in case of discovery of hazardous material during invasive activities No refuelling will occur in the work area Spill kits will be kept near to work areas at all times and trained staff present in case of a spill 	6	4	Low
Work in heritage areas	No impact to heritage will occur because all invasive works will avoid designated heritage areas	6	6	Low	<ul style="list-style-type: none"> Environmental sensitivities maps will be provided to surveyors as part of the site induction process to ensure heritage areas are avoided. No invasive work will occur with designated heritage areas Works will be undertaken in accordance with the Sydney Metro City and Southwest Unexpected Finds Procedure V2.0 for heritage. 	6	6	Low
Work in biodiversity areas	No impact to biodiversity. Invasive works will avoid designated biodiversity areas. No vegetation will be impacted by the survey work.	6	6	Low	Environmental sensitivities maps will be provided to surveyors as part of the site induction process to ensure biodiversity areas are avoided	6	6	Low

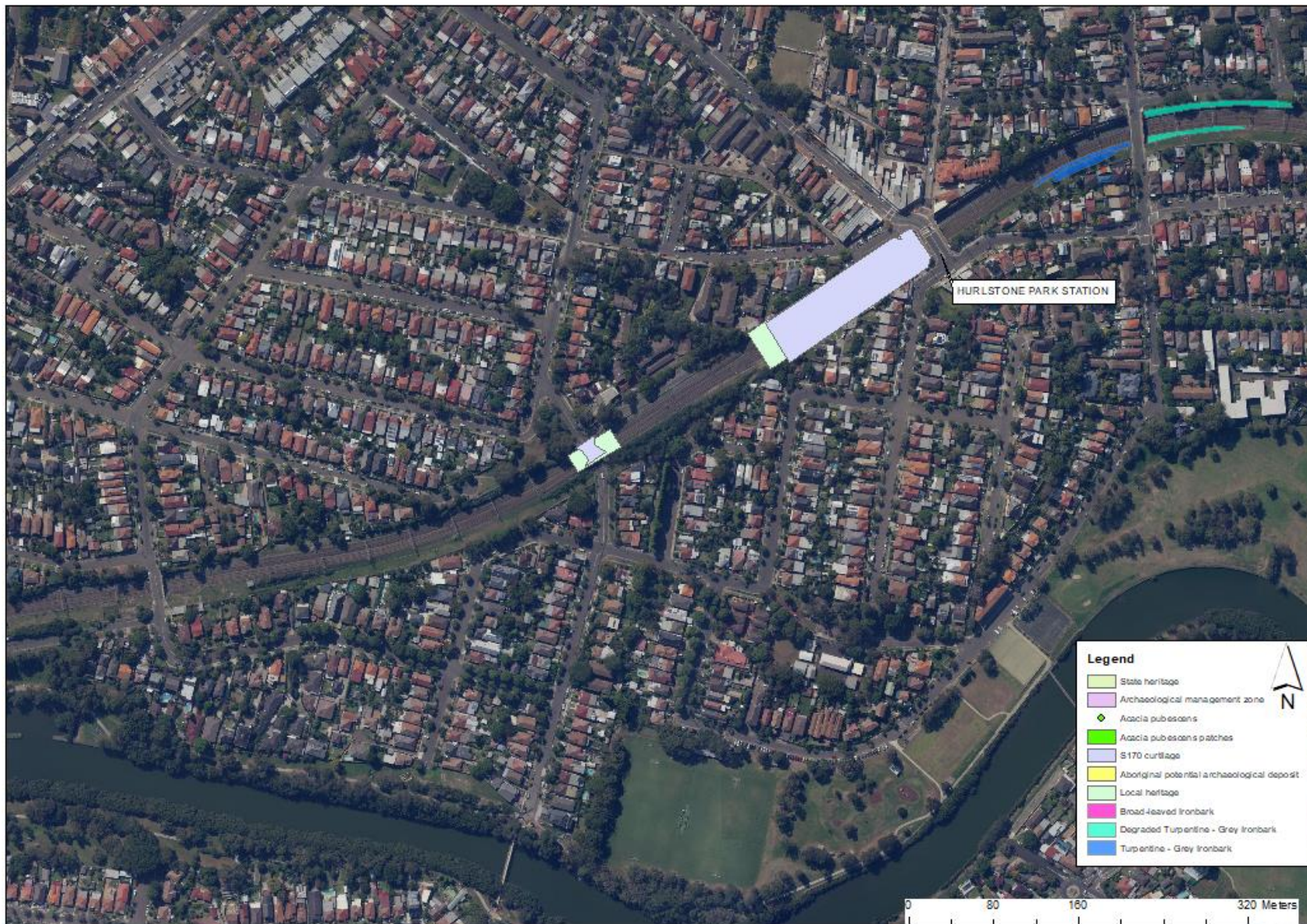
Aspect	Potential environmental impact	Initial risk rating			Control measures	Residual risk rating		
		Consequence	Likelihood	Risk		Consequence	Likelihood	Risk
Erosion and sedimentation control	Runoff of excavated materials into the local stormwater system. Potential for escape of contaminated materials causing local contamination.	5	4	Low	Stockpiled material will be stored outwith drainage channels and covered during inclement weather	6	5	Low
Transport and access	Negative impact to local roads, parking and footpaths from closures or obstructions during survey work.	5	5	Low	<ul style="list-style-type: none"> Surveyors will park within the rail corridor where possible. Surveyors will minimise the number of vehicles used to travel to the site. Surveyors will not block roadways or pathways Surveyors will park legally and observe restrictions at all times Investigation work that impacts footpaths and roadways will be carried out under a council-approved traffic control plan (TCP), using a traffic control team to manage pedestrian and/or traffic flow. Controls will be implemented in accordance with the TCP. Road occupancy licences (ROL) and road opening permits (ROP) will be sought from council for the drop-off/collection of site investigation plant. Controls will be implemented in accordance with the ROL/ROP. The community would be notified of all planned closures. 	5	6	Low

Aspect	Potential environmental impact	Initial risk rating			Control measures	Residual risk rating		
		Consequence	Likelihood	Risk		Consequence	Likelihood	Risk
					<ul style="list-style-type: none"> Survey work in roadways will be undertaken at times to avoid peak traffic flow. 			
Service strike	Damage to services during excavation which cause an environmental incident	5	4	Low	Prior to any ground disturbance works, a service locator will check each excavation site is clear of services and provide a permit to excavate: <ul style="list-style-type: none"> Service locator and surveyor will check all excavation locations with DSS and locating equipment to identify areas clear of services Where there is a clash of services and proposed excavation site the excavation site will be moved to a services-free area Excavation area will be sprayed with spray paint by service locator once confirmed clear, approx. 1m square section 	6	5	Low

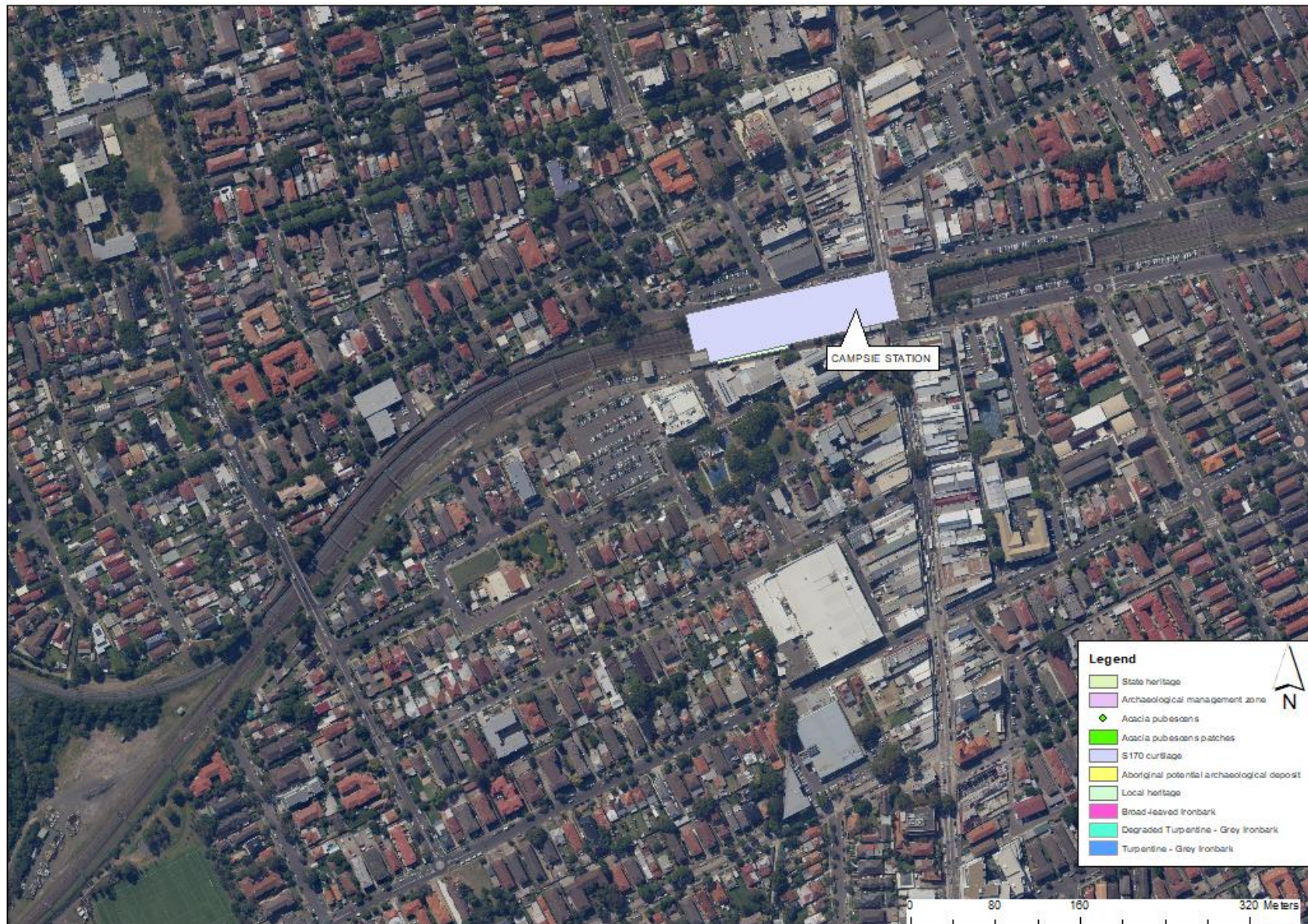
Environmental Sensitivities Maps



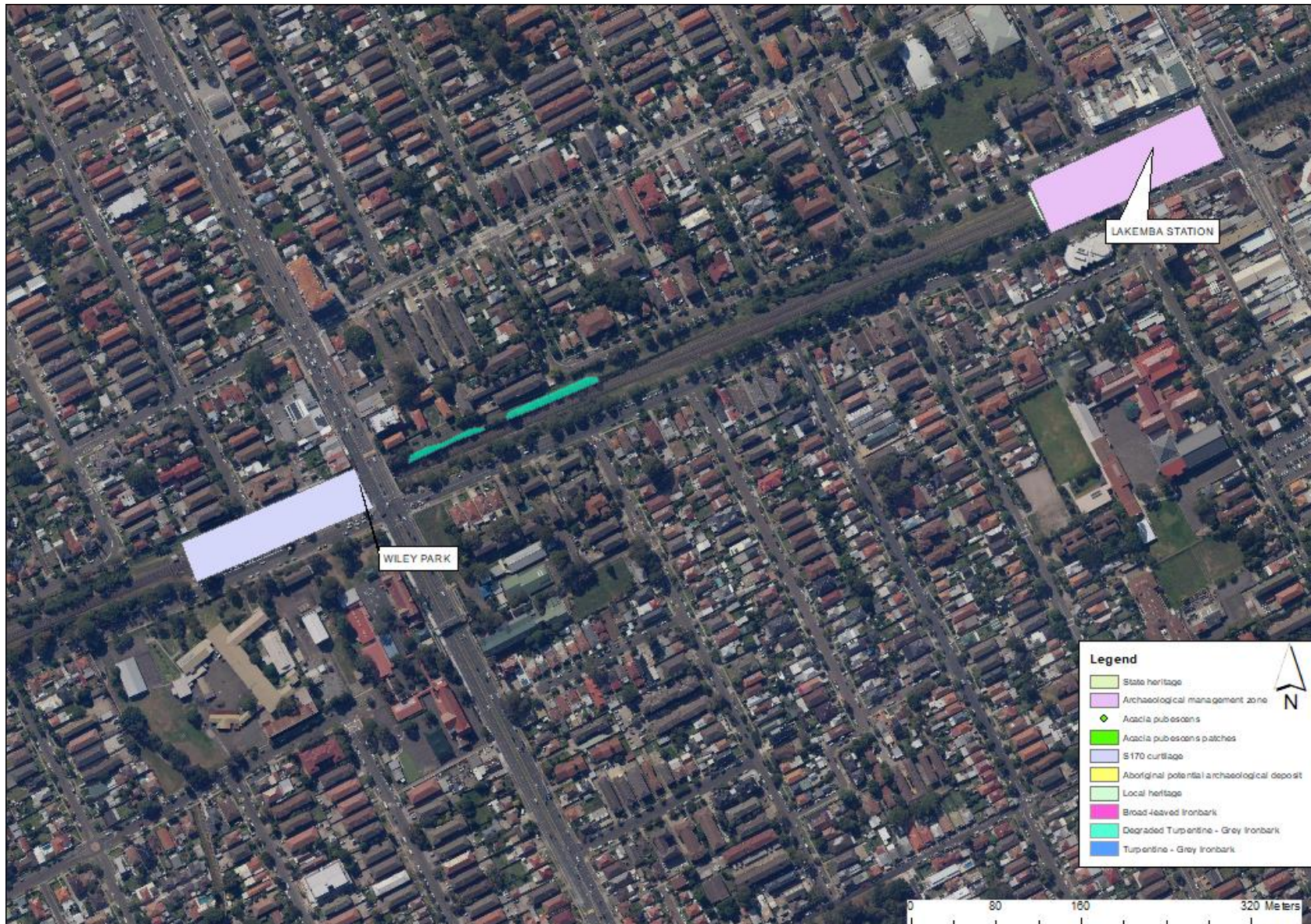


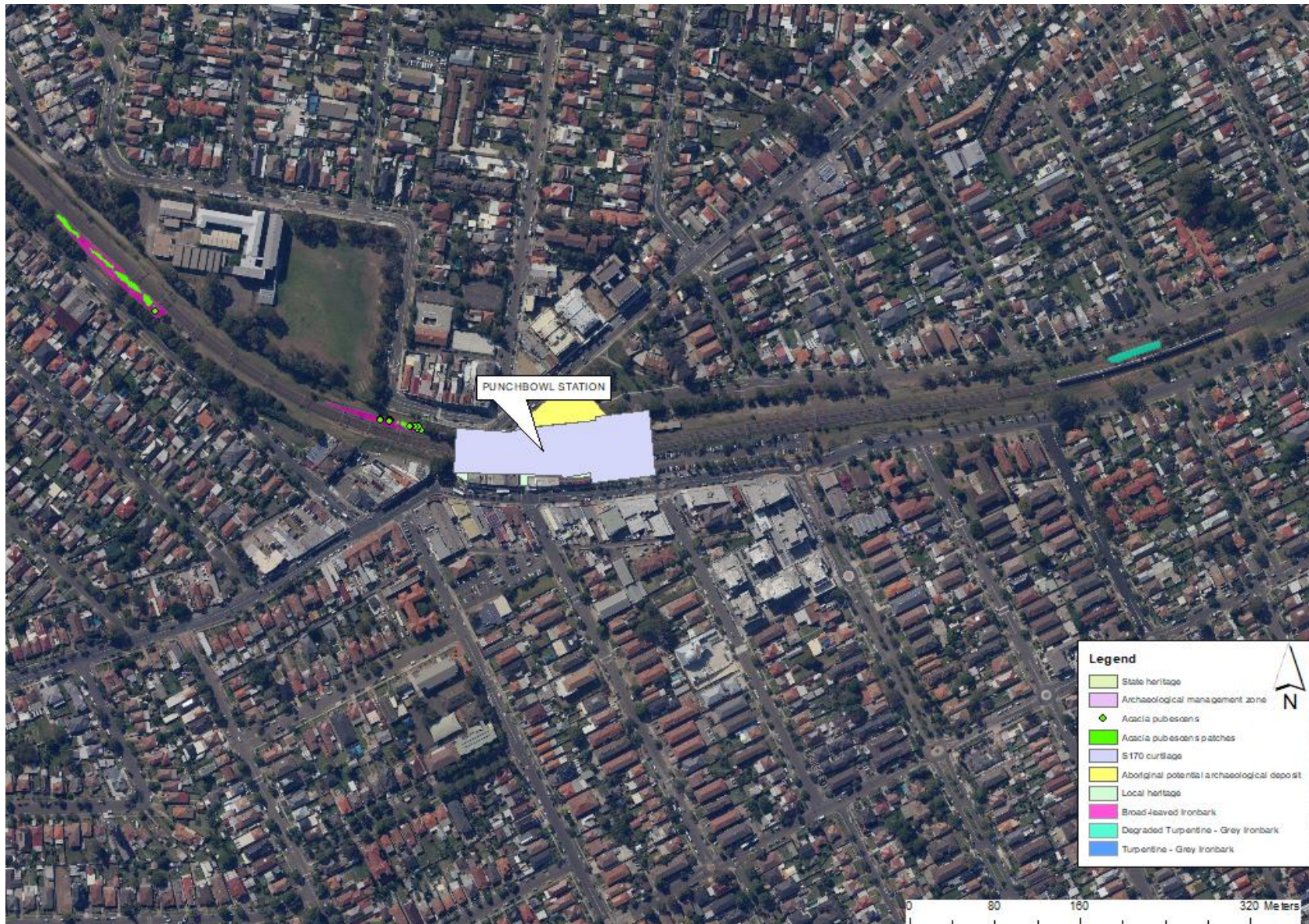




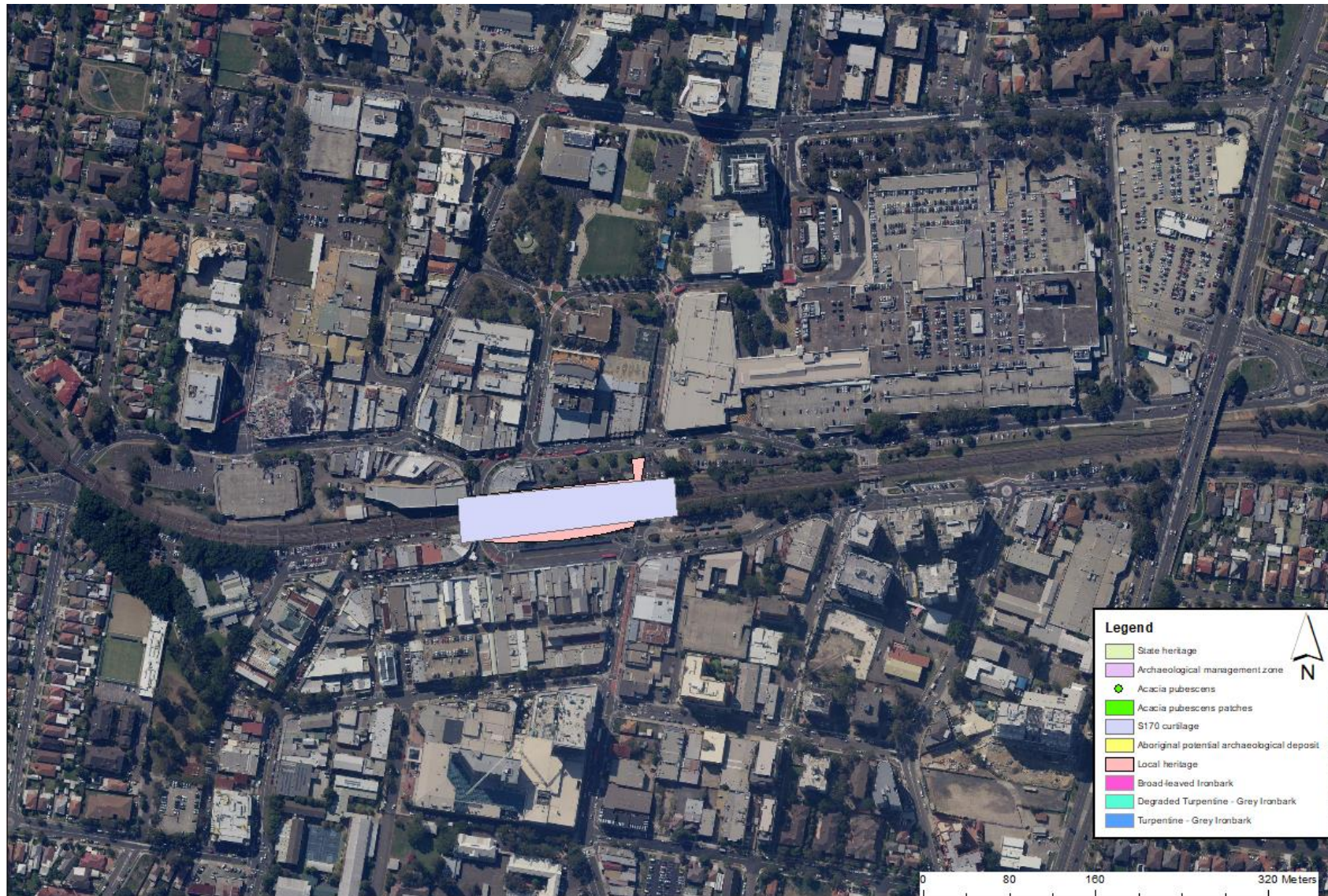












Appendix 2: Environmental Management Documentation.

1.1 Unexpected Finds

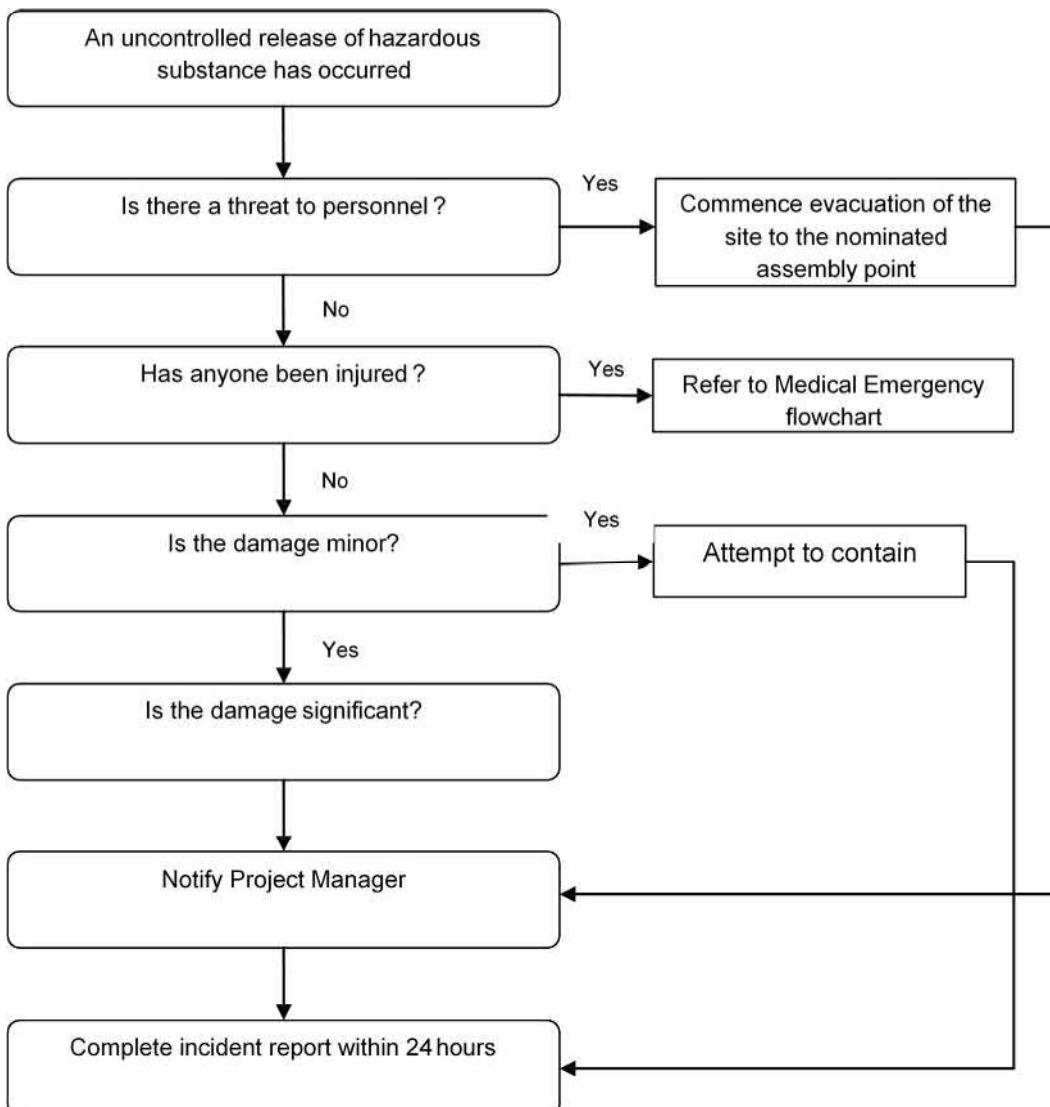
In the case that an environmental consultant is not available for oversight, workers will be vigilant for hazardous materials that may be uncovered during investigations. Unexpected finds include, but are not limited to, odour, visual contamination, acid sulfate soils, deleterious material inclusions, asbestos containing material, Underground Storage Tanks (USTs) or any other suspect materials. Any unexpected finds will be reported to the Contractor's on-site manager immediately. Additionally, the site owner/occupier should be informed as soon as practical following an unexpected find.

If hazardous materials are uncovered / discovered during excavations the Contractor shall:

- > Cease all work in that vicinity (and fence the area if appropriate)
- > Remove workers from the vicinity
- > An experienced environmental consultant / occupational hygienist should be contacted to assess the potential risks associated with the Unexpected Finds and provide appropriate management options
- > Investigate the nature of the risk of the materials, determine the appropriate response and document the actions in accordance with contractual obligations.

In the event of a serious unexpected find, which could cause harm to human health and/or the environment, TfNSW and the NSW EPA may need to be informed.

The risks posed by the removal works to Aboriginal or European heritage are expected to be minimal. However, in the event potential heritage items are encountered during excavations, works will cease and the Site Supervisor notified



Appendix 3: Community Notification.

Appendix 4: Environmental Representative Supporting Letter.