



Integrated  
Management  
System

# Relocation of Axicom tower at Marrickville

## Planning Approval Consistency Assessment Form

<b>Prepared by:</b>	Sydney Metro
<b>Prepared for:</b>	Sydney Metro
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### Form information – do not alter

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## Table of Contents

Existing Approved Project .....	3
Description of proposed development/activity/works.....	4
Timeframe.....	4
Site description .....	4
Site Environmental Characteristics .....	4
Justification for the proposed works.....	5
Environmental Benefit .....	5
Control Measures.....	5
Climate Change Impacts .....	5
Impact Assessment – Construction .....	6
Impact Assessment – Operation.....	9
Consistency with the Approved Project.....	12
Other Environmental Approvals .....	13
Author certification.....	14
Environmental Representative Review.....	14
Attachment A Site plans .....	16
Attachment B Photo of site .....	17

The Planning Approval Consistency Assessment Form should be completed in accordance with the Sydney Metro Planning Approval Consistency Assessment Procedure (SM ES-PW-314) and Sydney Metro Environmental Planning and Approval Manual (SM ES-ST-216)

### Existing Approved Project

Planning approval reference details (Application/Document No. (including relevant modifications)):

- SSI15\_7400 Sydney Metro City & Southwest – Chatswood to Sydenham
- Mod 1 Victoria Cross Station, Artarmon Substation and minor administrative modification
- Mod 2 Central Walk modification
- Mod 4 Sydenham Station and Sydney Metro Trains Facility South modification

Date of determination:

- SSI15\_7400 Sydney Metro City & Southwest – Chatswood to Sydenham: 9 January 2017
- Mod 1 Victoria Cross Station, Artarmon Substation and minor administrative modification: 18 October 2017
- Mod 2 Central Walk modification: 21 December 2017
- Mod 4 Sydenham Station and Sydney Metro Trains Facility South modification: 13 December 2017

Type of planning approval: Part 5.1 Critical SSI

Description of existing approved project you are assessing for consistency:

The Chatswood to Sydenham component of Sydney Metro City & Southwest comprises a new metro rail line, approximately 16 kilometres long, between Chatswood and Sydenham. New metro stations would be provided at Crows Nest, Victoria Cross, Barangaroo, Martin Place, Pitt Street and Waterloo, as well as new underground metro platforms provided at Central Station.

The Sydenham Station and Sydney Metro Trains Facility South modification involves the extension of the Chatswood to Sydenham project to Sydenham Station, the provision of a train stabling and maintenance facility and associated ancillary works and infrastructure.

The Sydenham Station and Sydney Metro Trains Facility South modification identified that the existing Axicom tower at Marrickville would require relocation. At the time of preparation of the modification report, the location to which the Axicom tower would be relocated to was not known.

Relevant background information (including EA, REF, Submissions Report, Director General's Report, MCoA):

- Chatswood to Sydenham Environmental Impact Statement and accompanying technical papers (May, 2016)
- Chatswood to Sydenham Submissions and Preferred Infrastructure Report (October, 2016)
- Conditions of Approval (dated 9 January 2017)
- Chatswood to Sydenham – Sydenham Station and Sydney Metro Trains Facility South modification report (June 2017)
- Chatswood to Sydenham – Sydenham Station and Sydney Metro Trains Facility South modification Submissions Report (October 2017)
- Chatswood to Sydenham – Sydenham Station and Sydney Metro Trains Facility South – modification of infrastructure approval (December 2017).

All proposed works identified in this assessment would be undertaken in accordance with the mitigation measures identified in the EIS, PIR, modification report, submissions report and the conditions of approval.

### Description of proposed development/activity/works

The proposed works would involve the decommissioning and removal of the existing Axicom tower and the installation of a new Axicom tower and associated equipment shelters in a new location, surrounded by security fencing and an access. The proposed Axicom tower would be 35m high and would have an aerial power supply connection to the nearest existing power pole in the adjacent road reserve. The antennas and other equipment to be installed on the tower would be carried out by the relevant providers, subject to obtaining their own planning approvals and in accordance with relevant standards.

The proposed concrete foundation to support the proposed Axicom tower would be installed using a piling rig. Other equipment that may be used during the works includes a hi-abb truck, excavator, bobcat, assorted hand tools, and portable generator.

The works would be undertaken during standard daytime working hours.

### Timeframe

The proposed relocation of the Axicom tower would be undertaken in 2018 and would take about 6 weeks to construct. The works would be supported by utility relocations which would be undertaken over a 12 month period.

### Site description

Refer to Attachment A for location of proposed relocated tower. The proposed site is on the corner of Shirlow and Saywell streets in Marrickville on Lot 1 DP 613757, owned by Transport for NSW.

### Site Environmental Characteristics

The proposed relocated site is located to the north-west of the State heritage listed Sydenham drainage pit. It is located on a grassed area adjacent to a footpath that provides pedestrian connection between Sydney Steel Road and Shirlow Street. The site is within an industrial precinct.



**Justification for the proposed works**

The existing Axicom tower is located within the footprint of the works required to complete the Sydenham Station and Sydney Metro Trains Facility South works. Therefore, the tower needs to be relocated to a new position. The proposed location has been agreed with the relevant utility provider, Axicom, and is located within an industrial area with minimal impacts on surrounding receivers.

**Environmental Benefit**

N/A

**Control Measures**

Will a project and site specific EMP be prepared? Yes    Are appropriate control measures already identified in an existing EMP? No

**Climate Change Impacts**

Is the site likely to be adversely affected by the impacts of climate change? No. If yes, what adaptation/mitigation measures will be incorporated into the design? N/A

## Impact Assessment – Construction

Attach supporting evidence in the Appendices if required. Make reference to the relevant Appendix if used.

Aspect	Nature and extent of impacts (negative and positive) during construction (if control measures implemented) of the proposed/activity, relative to the Approved Project	Proposed Control Measures	Minimal Impact Y/N	Endorsed	
				Y/N	Comments
Flora and fauna	No change from approved project.	No additional measures required.	Y	Y	—
Water	No change from approved project.	No additional measures required.	Y	Y	—
Air quality	No change from approved project.	No additional measures required.	Y	Y	—
Noise and vibration	<p>The closest noise sensitive receivers are located to the north and west in the surrounding industrial area. The nearest residential receivers are over 300m from the proposed site.</p> <p>The background noise level at this location is high due to the presence of rail and aircraft noise, as well as noise generated from the surrounding industrial premises. All works would be undertaken during standard working hours.</p> <p>Given the short duration of the noise intensive works and the existing noise environment, the potential noise impacts are considered minor and would be consistent with the planning approval.</p>	The potential noise and vibration impacts would be managed in accordance with existing mitigation measures and conditions of approval. No additional mitigation is required.	Y	Y	—
Indigenous heritage	No change from approved project.	No additional measures required.	Y	Y	—

(Uncontrolled when printed)

Aspect	Nature and extent of impacts (negative and positive) during construction (if control measures implemented) of the proposed/activity, relative to the Approved Project	Proposed Control Measures	Minimal Impact Y/N	Endorsed	
				Y/N	Comments
Non-indigenous heritage	The proposed works would be located adjacent to the State heritage listed Sydenham drainage pit and pumping station, approximately three metres from the edge of the heritage curtilage. The presence of temporary construction activities would have a negligible impact on the significance of this heritage item.	No additional measures are required.	Y	Y	-
Community and stakeholder	The proposed relocation of the tower would be located closer to the industrial premises to the north and west. There would be short term amenity impacts for these receivers associated with the construction works.	The surrounding industrial premises would be advised of the proposed works prior to the works commencing.	Y	Y	-
Traffic	Access to the proposed works would be from Shirlow and Saywell streets, which are local roads that support access to the surrounding industrial premises. There would be a low volume of vehicle movements to support the works. Access to the site would be discussed with Council prior to works commencing.	Access to the site would be discussed with Council prior to the works commencing.	Y	Y	-
Waste	No change from approved project.	No additional measures required.	Y	Y	-
Social	No change from approved project.	No additional measures required.	Y	Y	-
Economic	No change from approved project.	No additional measures required.	Y	Y	-

(Uncontrolled when printed)

Aspect	Nature and extent of impacts (negative and positive) during construction (if control measures implemented) of the proposed/activity, relative to the Approved Project	Proposed Control Measures	Minimal Impact Y/N	Endorsed	
				Y/N	Comments
Visual	The potential visual impacts during construction would be the presence of temporary plant and equipment. The site is located in a discrete area and would not be prominent from the surrounding roads, although would be noticeable to pedestrians along the adjacent footpath connections between Sydney Steel Road and Shirlow Street.	No additional measures required.	Y	Y	-
Urban design	No change from approved project.	No additional measures required.	Y	Y	-
Geotechnical	No change from approved project.	No additional measures required.	Y	Y	-
Land use	No change from approved project.	No additional measures required.	Y	Y	-
Climate Change	No change from approved project.	No additional measures required.	Y	Y	-
Risk	No change from approved project.	No additional measures required.	Y	Y	-
Other	No change from approved project.	No additional measures required.	Y	Y	-
Management and mitigation measures	No change from approved project.	No additional measures required.	Y	Y	-

## Impact Assessment – Operation

Attach supporting evidence in the Appendix if required. Make reference to the relevant Appendix if used.

Aspect	Nature and extent of impacts (negative and positive) during operation (if control measures implemented) of the proposed activity/works, relative to the Approved Project	Proposed Control Measures	Minimal Impact Y/N	Endorsed	
				Y/N	Comments
Flora and fauna	No change from approved project.	No additional measures required.	Y	Y	—
Water	No change from approved project.	No additional measures required.	Y	Y	—
Air quality	No change from approved project.	No additional measures required.	Y	Y	—
Noise and vibration	No change from approved project.	No additional measures required.	Y	Y	—
Indigenous heritage	No change from approved project.	No additional measures required.	Y	Y	—
Non-indigenous heritage	The proposed works would relocate an existing Axicom tower from one side of State heritage listed Sydenham drainage pit and pumping station to another side of this item.  The proposed works would not have any direct impact on this heritage item. The proposed tower would not result in any major indirect impact to the views or setting of this item. The proposed tower would be located further away from the pumping station building, nearly 150 metres away.	No additional measures are required.	Y	Y	—
Community and stakeholder	No change from approved project.	No additional measures required.	Y	Y	—

Aspect	Nature and extent of impacts (negative and positive) during operation (if control measures implemented) of the proposed activity/works, relative to the Approved Project	Proposed Control Measures	Minimal Impact Y/N	Endorsed	
				Y/N	Comments
Traffic	Maintenance access to the site would be from Shirlow Street and would be confirmed in consultation with Council.	Maintenance access arrangements would be confirmed in consultation with Council.	Y	Y	-
Waste	No change from approved project.	No additional measures required.	Y	Y	-
Social	No change from approved project.	No additional measures required.	Y	Y	-
Economic	No change from approved project.	No additional measures required.	Y	Y	-
Visual	<p>The proposed tower is located in an industrial area and has been sited to avoid significant visual impacts. Visual receptors would include surrounding industrial premises, customers travelling along the rail corridor and pedestrian and cyclists travelling along the connection between Sydney Steel Road and Shirlow Road.</p> <p>The proposed tower would not affect any key sightlines and would be compatible with the surrounding land uses.</p> <p>The proposed relocation of the tower from one side of the drainage pit to the other would not significantly change the visual receptors that would be able to view the tower, although their views of the tower would be altered. The tower would be located closer to the receivers to the north and west but further from the receivers in the rail corridor and to the south.</p> <p>Refer to Attachment B.</p>	The proposed tower would be designed to minimise visual impacts by being discrete in colour and with a matte finish.	Y	Y	-
Urban design	No change from approved project.	No additional measures required.	Y	Y	-

(Uncontrolled when printed)

Aspect	Nature and extent of impacts (negative and positive) during operation (if control measures implemented) of the proposed activity/works, relative to the Approved Project	Proposed Control Measures	Minimal Impact Y/N	Endorsed	
				Y/N	Comments
Geotechnical	No change from approved project.	No additional measures required.	Y	Y	—
Land use	No change from approved project.	No additional measures required.	Y	Y	—
Climate Change	No change from approved project.	No additional measures required.	Y	Y	—
Risk	The proposed works do not include the installation of any antennas or other equipment on the tower. The antennas and other equipment would be installed by the relevant providers, subject to obtaining their own planning approvals and in accordance with relevant guidelines. Site safety risks would be minimised through the installation of site fencing.	No additional measures required.	Y	Y	—
Other	No change from approved project.	No additional measures required.	Y	Y	—
Management and mitigation measures	No change from approved project.	No additional measures required.	Y	Y	—

## Consistency with the Approved Project

<p>Based on a review and understanding of the existing Approved Project and the proposed modifications, is there is a transformation of the Project?</p>	<p>No. The proposed works would not transform the project. The project would continue to provide a new metro rail line between Chatswood and Sydenham.</p>
<p>Is the project as modified consistent with the objectives and functions of the Approved Project as a whole?</p>	<p>Yes. The proposed works would be consistent with the objectives and functions of the approved project.</p>
<p>Is the project as modified consistent with the objectives and functions of elements of the Approved Project?</p>	<p>Yes. The proposed works would be consistent with the objectives and functions of the approved works for the Sydney Metro City &amp; Southwest Chatswood to Sydenham project and more specifically the Sydenham Station and Sydney Metro Trains Facility South part of this project.</p>
<p>Are there any new environmental impacts as a result of the proposed works/modifications?</p>	<p>The proposed works involve the relocation of an existing Axicom tower. No new environmental impacts are expected and the potential impacts from the proposed works are minor and can be appropriately managed.</p>
<p>Is the project as modified consistent with the conditions of approval?</p>	<p>Yes. The proposed works would be consistent with the conditions of approval.</p>
<p>Are the impacts of the proposed activity/works known and understood?</p>	<p>Yes. The impacts of the proposed works are understood.</p>
<p>Are the impacts of the proposed activity/works able to be managed so as not to have an adverse impact?</p>	<p>Yes. The impacts of the proposed works can be managed so as to avoid an adverse impact.</p>



## Other Environmental Approvals

Identify all other approvals required for the project:

N/A





## Author certification

To be completed by person preparing checklist.

I certify that to the best of my knowledge this Consistency Checklist:

- Examines and takes into account the fullest extent possible all matters affecting or likely to affect the environment as a result of activities associated with the Proposed Revision; and
- Examines the consistency of the Proposed Revision with the Approved Project; is accurate in all material respects and does not omit any material information.

Name:	Yvette Buchli	Signature:	
Title:	Planning Manager		
Company:	Sydney Metro	Date:	13/12/17

## Environmental Representative Review

(Additional step for City & Southwest projects only – if this is a CA against a Northwest Project or REF delete this table)

As an approved ER for the Sydney Metro City & Southwest project, I have reviewed this assessment. I am satisfied that mitigation measures are adequate to minimise the impact of the proposed work.

Name:	Jo Robertson	Signature:	
Title:	Environmental Representative (Alt)		
		Date:	19/12/17

This section is for Sydney Metro only.

Application supported and submitted by			
Name:	CAROLYN RILEY	Date:	28/02/18
Title:	ASSOCIATE DIRECTOR Environmental Planning Manager PLANNING APPROVALS	Comments:	
Signature:			

Based on the above assessment, are the impacts and scope of the proposed activity/modification consistent with the existing Approved Project?

Yes  The proposed activity/works are consistent and no further assessment is required.

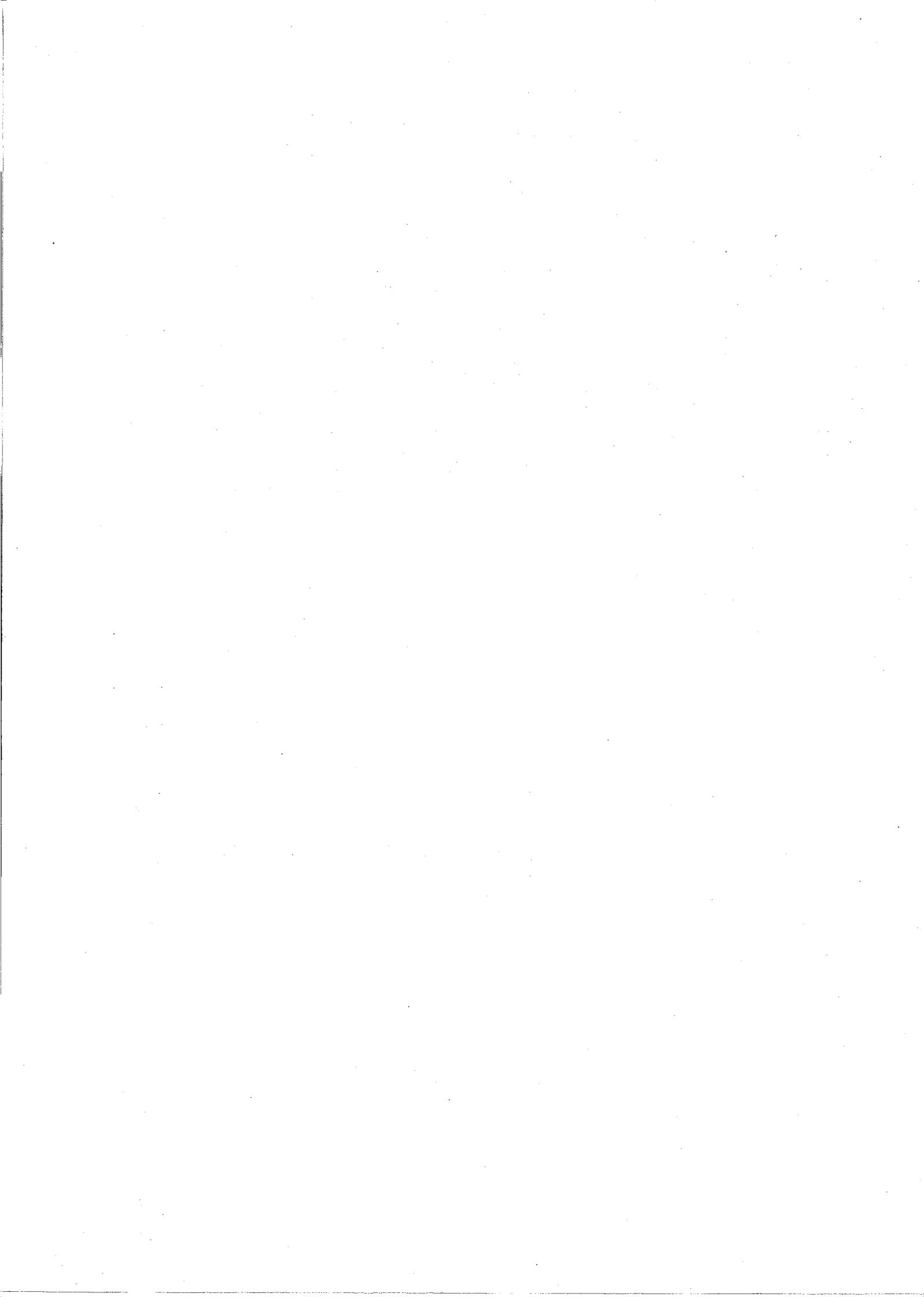
No  The proposed works/activity is not consistent with the Approved Project. A modification or a new activity approval/ consent is required. Advise Project Manager of appropriate alternative planning approvals pathway to be undertaken.



Endorsed by			
Name:	FIL CERONE	Date:	5 March 2018
Title:	DIRECTOR Principal Manager Northwest/City & Southwest, Sustainability, Environment & Planning	Comments:	—
Signature:			

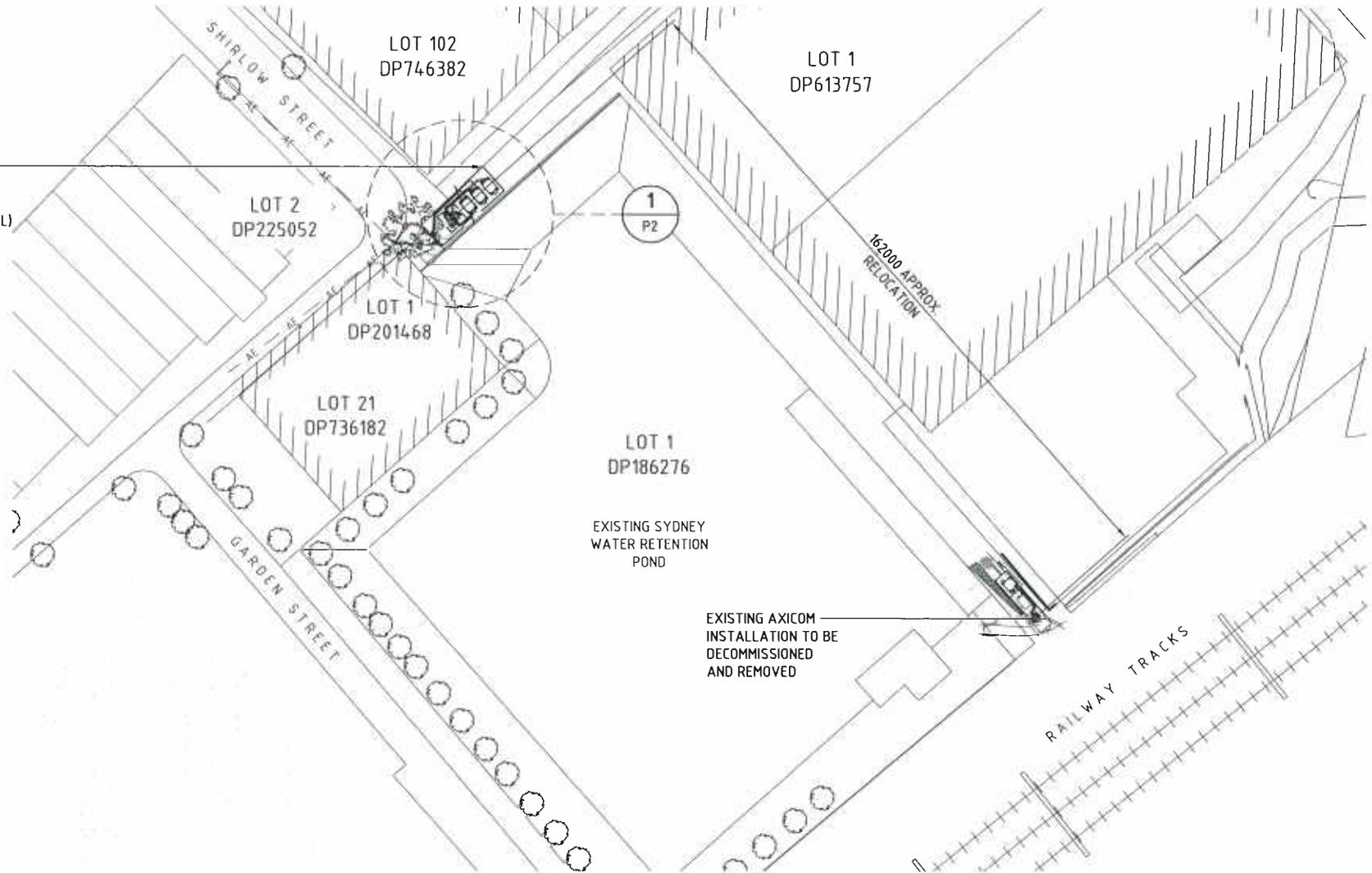
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## Attachment A Site plans





PROPOSED AXICOM  
INSTALLATION TO BE  
INSTALLED (SUBJECT  
TO COUNCIL APPROVAL)



EXISTING AXICOM  
INSTALLATION TO BE  
DECOMMISSIONED  
AND REMOVED

### OVERALL SITE PLAN

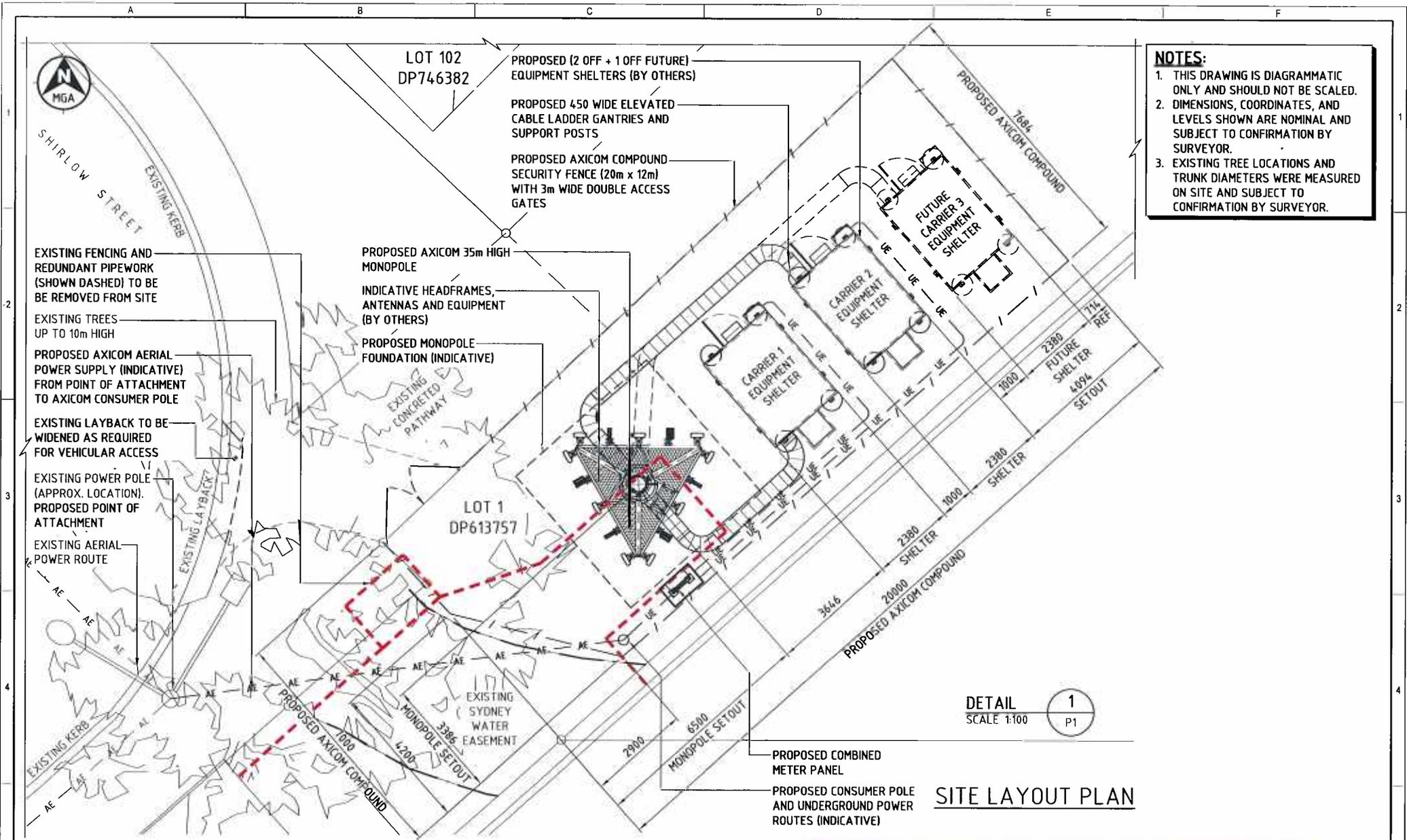
SCALE 1:1000

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Client	AXICOM	Scale	AS SHOWN @ A3	North	
Site Address	LOT 1 DP613757, MARRICKVILLE NSW 2204	Drawing Name	OVERALL SITE PLAN		
Project Type	PROPOSED RELOCATION SITE 35m HIGH MONOPOLE INSTALLATION	Drawing No.	3200022 - P1	Revision No.	01

Rev	Date	Drawn	Revision Description
01	15.05.17	EP	PRELIMINARY ISSUE



**NOTES:**

1. THIS DRAWING IS DIAGRAMMATIC ONLY AND SHOULD NOT BE SCALED.
2. DIMENSIONS, COORDINATES, AND LEVELS SHOWN ARE NOMINAL AND SUBJECT TO CONFIRMATION BY SURVEYOR.
3. EXISTING TREE LOCATIONS AND TRUNK DIAMETERS WERE MEASURED ON SITE AND SUBJECT TO CONFIRMATION BY SURVEYOR.

DETAIL 1  
SCALE 1:100  
P1

**SITE LAYOUT PLAN**

Rev	Date	Drawn	Revision Description
01	15.05.17	EP	PRELIMINARY ISSUE

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Client AXICOM	Scale AS SHOWN @ A3	North 
Site Address LOT 1 DP613757, MARRICKVILLE NSW 2204	Drawing Name SITE LAYOUT PLAN	
Project Type PROPOSED RELOCATION SITE 35m HIGH MONOPOLE INSTALLATION	Drawing No. 3200022 - P2	Revision No. 01

**NOTES:**

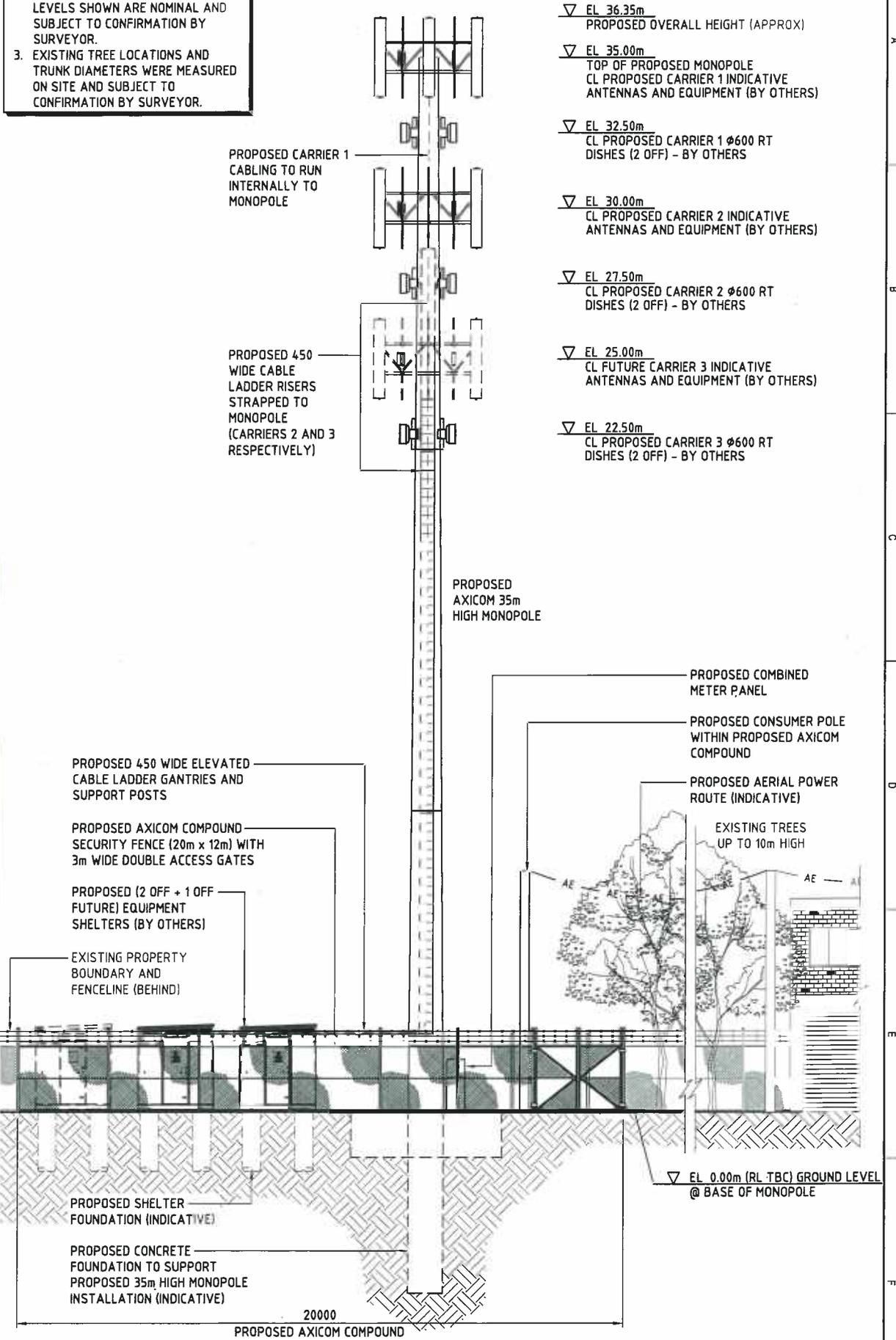
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01	15/05/17	EP	PRELIMINARY ISSUE

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Client	AXICOM
Site Address	LOT 1 DP613757, MARRICKVILLE NSW 2204
Project Type	PROPOSED RELOCATION SITE 35m HIGH MONOPOLE INSTALLATION
Scale	AS SHOWN @ A3
Drawing Name	SITE ELEVATION
Drawing No	3200022 - P3
Revision No.	01



- ▽ EL 36.35m  
PROPOSED OVERALL HEIGHT (APPROX)
- ▽ EL 35.00m  
TOP OF PROPOSED MONOPOLE  
CL PROPOSED CARRIER 1 INDICATIVE  
ANTENNAS AND EQUIPMENT (BY OTHERS)
- ▽ EL 32.50m  
CL PROPOSED CARRIER 1 Ø600 RT  
DISHES (2 OFF) - BY OTHERS
- ▽ EL 30.00m  
CL PROPOSED CARRIER 2 INDICATIVE  
ANTENNAS AND EQUIPMENT (BY OTHERS)
- ▽ EL 27.50m  
CL PROPOSED CARRIER 2 Ø600 RT  
DISHES (2 OFF) - BY OTHERS
- ▽ EL 25.00m  
CL FUTURE CARRIER 3 INDICATIVE  
ANTENNAS AND EQUIPMENT (BY OTHERS)
- ▽ EL 22.50m  
CL PROPOSED CARRIER 3 Ø600 RT  
DISHES (2 OFF) - BY OTHERS

PROPOSED CARRIER 1  
CABLING TO RUN  
INTERNALLY TO  
MONOPOLE

PROPOSED 450  
WIDE CABLE  
LADDER RISERS  
STRAPPED TO  
MONOPOLE  
(CARRIERS 2 AND 3  
RESPECTIVELY)

PROPOSED  
AXICOM 35m  
HIGH MONOPOLE

- PROPOSED 450 WIDE ELEVATED  
CABLE LADDER GANTRIES AND  
SUPPORT POSTS
- PROPOSED AXICOM COMPOUND  
SECURITY FENCE (20m x 12m) WITH  
3m WIDE DOUBLE ACCESS GATES
- PROPOSED (2 OFF + 1 OFF  
FUTURE) EQUIPMENT  
SHELTERS (BY OTHERS)
- EXISTING PROPERTY  
BOUNDARY AND  
FENCELINE (BEHIND)

- PROPOSED COMBINED  
METER PANEL
- PROPOSED CONSUMER POLE  
WITHIN PROPOSED AXICOM  
COMPOUND
- PROPOSED AERIAL POWER  
ROUTE (INDICATIVE)
- EXISTING TREES  
UP TO 10m HIGH

- PROPOSED SHELTER  
FOUNDATION (INDICATIVE)
- PROPOSED CONCRETE  
FOUNDATION TO SUPPORT  
PROPOSED 35m HIGH MONOPOLE  
INSTALLATION (INDICATIVE)

▽ EL 0.00m (RL TBC) GROUND LEVEL  
@ BASE OF MONOPOLE

**NORTH WESTERN ELEVATION**  
SCALE 1:125



## Attachment B Photo of site



Existing photo of the site and tower in its current location and a red arrow annotation showing where the tower would move to within this viewpoint. The tower would appear higher from this view as it would be located closer to these receptors.

